

# Day Ahead Market Generator LBMP

--- LBMP \$

### --- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

05/23/2025

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	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	29.23	26.41	24.14	22.41	25.54	29.64	35.67	41.37	42.03	39.62	38.56	36.89	36.22	35.18	34.71	34.88	36.76	42.08	43.69	46.51	47.90	41.99	36.07	32.85
24138	1.76	1.56	1.43	1.23	1.35	1.38	1.83	2.34	2.34	2.49	2.29	2.28	2.31	2.27	2.33	2.34	2.47	2.72	2.63	2.76	2.75	2.11	1.88	1.71
	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
74TH STREET_GT_1	29.20	26.38	24.11	22.39	25.52	29.61	35.60	41.29	41.95	39.54	38.48	36.82	36.11	35.11	34.62	34.82	36.69	42.00	43.61	46.42	47.81	41.95	36.00	32.79
24260	1.73	1.54	1.41	1.21	1.33	1.36	1.76	2.26	2.26	2.41	2.21	2.21	2.20	2.20	2.23	2.28	2.40	2.64	2.55	2.67	2.66	2.07	1.81	1.65
	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
74TH STREET_GT_2	29.20	26.38	24.11	22.39	25.52	29.61	35.60	41.29	41.95	39.54	38.48	36.82	36.11	35.11	34.62	34.82	36.69	42.00	43.61	46.42	47.81	41.95	36.00	32.79
24261	1.73	1.54	1.41	1.21	1.33	1.36	1.76	2.26	2.26	2.41	2.21	2.21	2.20	2.20	2.23	2.28	2.40	2.64	2.55	2.67	2.66	2.07	1.81	1.65
	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
ADK HUDSON___FALLS	28.79	26.01	23.80	22.16	25.23	29.41	35.33	40.86	41.43	38.61	37.79	35.99	35.13	34.19	33.61	33.61	35.39	40.66	42.59	45.29	47.00	41.39	35.53	32.35
24011	1.32	1.17	1.09	0.97	1.04	1.16	1.49	1.83	1.75	1.49	1.52	1.38	1.22	1.28	1.23	1.07	1.10	1.30	1.52	1.53	1.85	1.52	1.33	1.21
	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
ADK RESOURCE___RCVRY	28.90	26.06	23.84	22.20	25.30	29.53	35.43	41.02	41.59	38.76	37.90	36.09	35.23	34.29	33.71	33.71	35.49	40.78	42.75	45.46	47.23	41.55	35.66	32.47
23798	1.43	1.22	1.13	1.02	1.11	1.27	1.59	1.99	1.90	1.63	1.63	1.49	1.32	1.38	1.33	1.17	1.20	1.42	1.68	1.70	2.08	1.67	1.47	1.34
	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
ADK S GLENS___FALLS	28.79	26.01	23.80	22.16	25.23	29.41	35.33	40.86	41.43	38.61	37.79	35.99	35.13	34.19	33.61	33.61	35.39	40.66	42.59	45.29	47.00	41.39	35.53	32.35
24028	1.32	1.17	1.09	0.97	1.04	1.16	1.49	1.83	1.75	1.49	1.52	1.38	1.22	1.28	1.23	1.07	1.10	1.30	1.52	1.53	1.85	1.52	1.33	1.21
	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
ADK_NYS___DAM	28.60	25.91	23.73	22.12	25.18	29.19	35.09	40.20	40.52	37.61	37.00	35.26	34.55	33.63	33.06	33.09	34.74	40.19	41.93	44.72	45.96	40.60	34.74	31.82
23527	1.13	1.07	1.02	0.93	0.99	0.93	1.25	1.17	0.83	0.48	0.73	0.66	0.64	0.72	0.68	0.55	0.44	0.83	0.86	0.96	0.81	0.72	0.55	0.68
	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
AIR_PRODUCTS___DRP	27.69	25.26	23.14	21.59	24.55	28.26	33.81	38.95	39.49	36.91	36.13	34.43	33.74	32.84	32.35	32.47	34.12	39.25	40.82	43.49	44.74	39.60	33.95	31.07
24190	0.22	0.42	0.43	0.40	0.36	0.00	-0.03	-0.08	-0.20	-0.22	-0.15	-0.17	-0.17	-0.07	-0.03	-0.07	-0.17	-0.12	-0.25	-0.26	-0.41	-0.28	-0.24	-0.06
	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
AKWESSNE_115KV_BK	27.31	24.64	22.50	21.04	24.07	28.48	33.94	39.26	39.96	37.39	36.60	34.85	34.28	33.23	32.64	32.73	34.63	39.72	41.39	44.15	45.46	40.36	34.64	31.38
355683	-0.16	-0.20	-0.20	-0.15	-0.12	0.23	0.10	0.23	0.28	0.26	0.33	0.24	0.37	0.33	0.26	0.20	0.34	0.35	0.33	0.39	0.32	0.48	0.44	0.25
	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	28.22	25.56	23.41	21.82	24.87	28.71	34.35	39.61	40.08	37.42	36.53	34.82	34.08	33.17	32.64	32.83	34.60	39.80	41.56	44.28	45.55	40.32	34.57	31.60
323833	0.74	0.72	0.70	0.63	0.68	0.45	0.51	0.59	0.40	0.30	0.26	0.21	0.17	0.26	0.26	0.29	0.31	0.43	0.49	0.53	0.41	0.44	0.38	0.47
	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_2_SOLAR	28.22	25.56	23.41	21.82	24.84	28.71	34.35	39.57	40.08	37.42	36.53	34.82	34.08	33.14	32.64	32.83	34.56	39.80	41.52	44.24	45.55	40.32	34.57	31.60
323834	0.74	0.72	0.70	0.63	0.65	0.45	0.51	0.55	0.40	0.30	0.26	0.21	0.17	0.23	0.26	0.29	0.27	0.43	0.45	0.48	0.41	0.44	0.38	0.47
	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	27.69	25.26	23.14	21.59	24.55	28.26	33.81	38.95	39.49	36.91	36.13	34.43	33.74	32.84	32.35	32.47	34.12	39.25	40.82	43.49	44.74	39.60	33.95	31.07
23571	0.22	0.42	0.43	0.40	0.36	0.00	-0.03	-0.08	-0.20	-0.22	-0.15	-0.17	-0.17	-0.07	-0.03	-0.07	-0.17	-0.12	-0.25	-0.26	-0.41	-0.28	-0.24	-0.06
	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___2 23572	27.69 0.22 0.00	25.26 0.42 0.00	23.14 0.43 0.00	21.59 0.40 0.00	24.55 0.36 0.00	28.26 0.00 0.00	33.81 -0.03 0.00	38.95 -0.08 0.00	39.49 -0.20 0.00	36.91 -0.22 0.00	36.13 -0.15 0.00	34.43 -0.17 0.00	33.74 -0.17 0.00	32.84 -0.07 0.00	32.35 -0.03 0.00	32.47 -0.07 0.00	34.12 -0.17 0.00	39.25 -0.12 0.00	40.82 -0.25 0.00	43.49 -0.26 0.00	44.74 -0.41 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	31.07 -0.06 0.00
ALBANY___3 23573	27.69 0.22 0.00	25.26 0.42 0.00	23.14 0.43 0.00	21.59 0.40 0.00	24.55 0.36 0.00	28.26 0.00 0.00	33.81 -0.03 0.00	38.95 -0.08 0.00	39.49 -0.20 0.00	36.91 -0.22 0.00	36.13 -0.15 0.00	34.43 -0.17 0.00	33.74 -0.17 0.00	32.84 -0.07 0.00	32.35 -0.03 0.00	32.47 -0.07 0.00	34.12 -0.17 0.00	39.25 -0.12 0.00	40.82 -0.25 0.00	43.49 -0.26 0.00	44.74 -0.41 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	31.07 -0.06 0.00
ALBANY___4 23574	27.69 0.22 0.00	25.26 0.42 0.00	23.14 0.43 0.00	21.59 0.40 0.00	24.55 0.36 0.00	28.26 0.00 0.00	33.81 -0.03 0.00	38.95 -0.08 0.00	39.49 -0.20 0.00	36.91 -0.22 0.00	36.13 -0.15 0.00	34.43 -0.17 0.00	33.74 -0.17 0.00	32.84 -0.07 0.00	32.35 -0.03 0.00	32.47 -0.07 0.00	34.12 -0.17 0.00	39.25 -0.12 0.00	40.82 -0.25 0.00	43.49 -0.26 0.00	44.74 -0.41 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	31.07 -0.06 0.00
ALBANY___LFGE 323615	28.05 0.58 0.00	25.41 0.57 0.00	23.27 0.57 0.00	21.69 0.51 0.00	24.70 0.51 0.00	28.48 0.22 0.00	34.08 0.24 0.00	39.30 0.28 0.00	39.85 0.16 0.00	37.24 0.11 0.00	36.45 0.18 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.14 0.23 0.00	32.61 0.23 0.00	32.77 0.23 0.00	34.43 0.14 0.00	39.60 0.24 0.00	41.23 0.16 0.00	43.89 0.13 0.00	45.15 0.00 0.00	39.92 0.04 0.00	34.23 0.03 0.00	31.32 0.19 0.00
ALCOA_PA_115KV_PL-6C 55860	27.36 -0.11 0.00	24.72 -0.12 0.00	22.57 -0.14 0.00	21.10 -0.08 0.00	24.14 -0.05 0.00	28.65 0.40 0.00	34.11 0.27 0.00	39.46 0.43 0.00	40.16 0.48 0.00	37.57 0.45 0.00	36.74 0.47 0.00	34.99 0.38 0.00	34.42 0.51 0.00	33.37 0.46 0.00	32.77 0.39 0.00	32.83 0.29 0.00	34.74 0.45 0.00	39.88 0.51 0.00	41.56 0.49 0.00	44.28 0.53 0.00	45.51 0.36 0.00	40.56 0.68 0.00	34.84 0.65 0.00	31.57 0.44 0.00
ALCOA_RYNLDS___DRP 24188	27.36 -0.11 0.00	24.72 -0.12 0.00	22.57 -0.14 0.00	21.10 -0.08 0.00	24.14 -0.05 0.00	28.65 0.40 0.00	34.11 0.27 0.00	39.46 0.43 0.00	40.16 0.48 0.00	37.57 0.45 0.00	36.74 0.47 0.00	34.99 0.38 0.00	34.42 0.51 0.00	33.37 0.46 0.00	32.77 0.39 0.00	32.83 0.29 0.00	34.74 0.45 0.00	39.88 0.51 0.00	41.56 0.49 0.00	44.28 0.53 0.00	45.51 0.36 0.00	40.56 0.68 0.00	34.84 0.65 0.00	31.57 0.44 0.00
ALCOA___DSASP 323711	27.36 -0.11 0.00	24.72 -0.12 0.00	22.57 -0.14 0.00	21.10 -0.08 0.00	24.14 -0.05 0.00	28.65 0.40 0.00	34.11 0.27 0.00	39.46 0.43 0.00	40.16 0.48 0.00	37.58 0.45 0.00	36.74 0.47 0.00	34.99 0.38 0.00	34.42 0.51 0.00	33.37 0.46 0.00	32.77 0.39 0.00	32.83 0.29 0.00	34.74 0.44 0.00	39.87 0.51 0.00	41.56 0.49 0.00	44.02 0.26 0.00	45.51 0.36 0.00	40.56 0.68 0.00	34.84 0.65 0.00	31.57 0.44 0.00
ALLEGHENY___COGEN 23514	27.69 0.22 0.00	24.82 -0.02 0.00	22.64 -0.07 0.00	21.29 0.11 0.00	23.97 -0.22 0.00	27.78 -0.48 0.00	33.13 -0.71 0.00	37.78 -1.25 0.00	38.34 -1.35 0.00	35.16 -1.97 0.00	33.95 -2.32 0.00	32.46 -2.15 0.00	31.47 -2.44 0.00	30.31 -2.60 0.00	29.76 -2.62 0.00	30.15 -2.37 0.01	32.17 -2.13 0.00	37.47 -1.89 0.00	39.83 -1.23 0.00	42.88 -0.87 0.00	44.88 -0.27 0.00	39.60 -0.28 0.00	33.54 -0.65 0.00	30.30 -0.84 0.00
ALTAMONT_115KV_TB 2 55880	27.97 0.49 0.00	25.39 0.55 0.00	23.25 0.54 0.00	21.67 0.49 0.00	24.67 0.48 0.00	28.57 0.31 0.00	34.21 0.37 0.00	39.42 0.39 0.00	40.00 0.32 0.00	37.39 0.26 0.00	36.52 0.25 0.00	34.85 0.24 0.00	34.15 0.24 0.00	33.20 0.30 0.00	32.67 0.29 0.00	32.83 0.29 0.00	34.57 0.27 0.00	39.72 0.35 0.00	41.39 0.33 0.00	44.10 0.35 0.00	45.42 0.27 0.00	40.12 0.24 0.00	34.43 0.24 0.00	31.45 0.31 0.00
ALTONA_WT_PWR 323606	27.36 -0.11 0.00	24.74 -0.10 0.00	22.64 -0.07 0.00	21.19 0.00 0.00	24.26 0.07 0.00	28.68 0.42 0.00	34.18 0.34 0.00	39.57 0.55 0.00	40.32 0.63 0.00	37.72 0.59 0.00	36.89 0.62 0.00	35.16 0.55 0.00	34.59 0.68 0.00	33.53 0.62 0.00	32.96 0.58 0.00	33.06 0.52 0.00	35.01 0.72 0.00	40.15 0.79 0.00	41.89 0.82 0.00	44.58 0.83 0.00	46.10 0.95 0.00	40.83 0.96 0.00	35.05 0.86 0.00	31.73 0.59 0.00
AMERICAN_REF_FUEL 24010	25.66 -1.81 0.00	22.95 -1.89 0.00	20.96 -1.75 0.00	19.81 -1.38 0.00	22.18 -2.01 0.00	25.63 -2.63 0.00	30.19 -3.66 0.00	34.15 -4.88 0.00	35.16 -4.53 0.00	32.45 -4.68 0.00	31.59 -4.68 0.00	30.35 -4.26 0.00	29.54 -4.37 0.00	28.46 -4.44 0.00	27.85 -4.53 0.00	28.07 -4.46 0.01	29.73 -4.56 0.00	34.44 -4.92 0.00	36.30 -4.76 0.00	38.64 -5.12 0.00	40.23 -4.92 0.00	35.57 -4.31 0.00	30.40 -3.80 0.00	27.87 -3.27 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	26.40 -1.07 0.00	23.62 -1.22 0.00	21.48 -1.23 0.00	20.28 -0.91 0.00	22.67 -1.52 0.00	26.22 -2.03 0.00	31.07 -2.77 0.00	35.36 -3.67 0.00	36.12 -3.57 0.00	33.30 -3.82 0.00	32.46 -3.81 0.00	31.11 -3.49 0.00	30.18 -3.73 0.00	29.06 -3.85 0.00	28.40 -3.98 0.00	28.56 -3.97 0.01	30.31 -3.98 0.00	35.15 -4.21 0.00	37.20 -3.86 0.00	39.77 -3.98 0.00	41.67 -3.48 0.00	37.09 -2.79 0.00	31.66 -2.53 0.00	28.86 -2.27 0.00
ARTHUR KILL_GT_1 23520	29.43 1.95 -0.01	26.58 1.74 0.00	24.30 1.59 0.00	22.54 1.36 0.00	25.67 1.48 0.00	29.67 1.41 0.00	35.60 1.76 0.00	41.17 2.15 0.00	41.71 2.02 0.00	39.36 2.23 0.00	38.27 1.99 0.00	36.65 2.04 0.00	35.98 2.07 0.00	35.01 2.11 0.00	34.55 2.17 0.00	34.75 2.21 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.47 2.38 -0.02	46.31 2.54 -0.02	47.83 2.66 -0.02	41.95 2.07 0.00	36.18 1.98 0.00	33.07 1.93 -0.01
ARTHUR_KILL_2 23512	29.32 1.84 -0.01	26.50 1.66 0.00	24.23 1.52 0.00	22.48 1.29 0.00	25.62 1.43 0.00	29.58 1.33 0.00	35.53 1.69 0.00	41.09 2.07 0.00	41.63 1.94 0.00	39.24 2.12 0.00	38.16 1.88 0.00	36.54 1.94 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.46 2.07 0.00	34.62 2.08 0.00	36.55 2.26 0.00	41.85 2.48 0.00	43.34 2.26 -0.02	46.22 2.45 -0.02	47.70 2.53 -0.02	41.87 1.99 0.00	36.17 1.98 0.00	32.98 1.84 -0.01
ARTHUR_KILL_3 23513	28.87 1.40 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.33 1.07 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.55 1.87 0.00	39.17 2.04 0.00	38.12 1.85 0.00	36.47 1.87 0.00	35.81 1.90 0.00	34.78 1.87 0.00	34.32 1.94 0.00	34.52 1.99 0.00	36.38 2.09 0.00	41.57 2.20 0.00	43.21 2.13 -0.01	46.09 2.32 -0.01	47.42 2.26 -0.01	41.55 1.67 0.00	35.69 1.50 0.00	32.47 1.34 0.00



ARTHUR_KILL_COGEN 323718	29.40 1.92 -0.01	26.58 1.74 0.00	24.30 1.59 0.00	22.54 1.36 0.00	25.67 1.48 0.00	29.67 1.41 0.00	35.60 1.76 0.00	41.21 2.18 0.00	41.71 2.02 0.00	39.36 2.23 0.00	38.26 1.99 0.00	36.65 2.04 0.00	35.98 2.07 0.00	35.01 2.11 0.00	34.55 2.17 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.96 2.60 0.00	43.47 2.38 -0.02	46.40 2.63 -0.02	47.83 2.66 -0.02	41.99 2.11 0.00	36.24 2.05 0.00	33.04 1.90 -0.01
ASHOKAN____ 23654	28.87 1.40 0.00	26.16 1.32 0.00	23.86 1.16 0.00	22.22 1.04 0.00	25.35 1.16 0.00	29.39 1.13 0.00	35.30 1.45 0.00	40.78 1.76 0.00	41.28 1.59 0.00	38.50 1.37 0.00	37.36 1.09 0.00	35.51 0.90 0.00	34.79 0.88 0.00	33.86 0.95 0.00	33.39 1.00 0.00	33.58 1.04 0.00	35.49 1.20 0.00	40.86 1.50 0.00	42.54 1.48 0.00	45.55 1.79 0.00	46.91 1.76 0.00	41.31 1.43 0.00	35.49 1.30 0.00	32.47 1.34 0.00
ASTORIA_EAST_ENERGY_CC1 323581	29.25 1.68 -0.10	26.49 1.64 -0.01	24.24 1.52 -0.01	22.51 1.31 -0.01	25.60 1.40 -0.01	29.47 1.21 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.77 1.79 -0.30	39.54 2.08 -0.33	38.62 1.88 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.70 2.10 -0.22	34.57 1.79 -0.24	36.34 2.06 0.01	41.52 2.16 0.01	43.11 2.05 0.01	45.93 2.19 0.01	47.26 2.12 0.01	41.93 1.80 -0.25	36.50 2.12 -0.19	32.91 1.65 -0.13
ASTORIA_EAST_ENERGY_CC2 323582	29.25 1.68 -0.10	26.49 1.64 -0.01	24.24 1.52 -0.01	22.51 1.31 -0.01	25.60 1.40 -0.01	29.47 1.21 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.77 1.79 -0.30	39.54 2.08 -0.33	38.62 1.88 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.70 2.10 -0.22	34.57 1.79 -0.24	36.34 2.06 0.01	41.52 2.16 0.01	43.11 2.05 0.01	45.93 2.19 0.01	47.26 2.12 0.01	41.93 1.80 -0.25	36.50 2.12 -0.19	32.91 1.65 -0.13
ASTORIA_GT2_1 24094	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT2_2 24095	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT2_3 24096	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT2_4 24097	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT3_1 24098	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT3_2 24099	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT3_3 24100	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT3_4 24101	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT4_1 24102	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT4_2 24103	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT4_3 24104	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13



ASTORIA_GT4_4 24105	29.39 1.81 -0.10	26.50 1.66 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.62 1.43 0.00	29.53 1.27 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.82 1.83 -0.31	39.54 2.08 -0.33	38.62 1.89 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.71 2.10 -0.22	34.76 1.98 -0.24	36.38 2.09 0.00	41.61 2.24 0.00	43.16 2.09 0.00	45.94 2.19 0.00	47.32 2.17 0.00	41.69 1.56 -0.25	36.06 1.68 -0.19	32.91 1.65 -0.13
ASTORIA_GT_1 23523	29.41 1.84 -0.10	26.53 1.69 0.00	24.25 1.54 0.00	22.52 1.33 0.00	25.64 1.45 0.00	29.56 1.30 0.00	36.04 1.69 -0.51	41.38 2.07 -0.29	41.90 1.90 -0.31	39.62 2.15 -0.33	38.69 1.96 -0.46	37.11 2.04 -0.47	36.44 2.07 -0.47	35.33 2.11 -0.32	34.77 2.17 -0.22	34.83 2.05 -0.24	36.45 2.16 0.00	41.69 2.32 0.00	43.20 2.14 0.00	46.03 2.28 0.00	47.41 2.26 0.00	41.77 1.64 -0.25	36.09 1.71 -0.19	32.97 1.71 -0.13
ASTORIA_GT_10 24110	29.21 1.73 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.53 1.27 0.00	35.47 1.62 0.00	41.06 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.65 2.11 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.32 2.26 0.00	46.16 2.41 0.00	47.54 2.39 0.00	41.67 1.79 0.00	35.90 1.71 0.00	32.79 1.65 -0.01
ASTORIA_GT_11 24225	29.21 1.73 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.53 1.27 0.00	35.47 1.62 0.00	41.06 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.65 2.11 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.32 2.26 0.00	46.16 2.41 0.00	47.54 2.39 0.00	41.67 1.79 0.00	35.90 1.71 0.00	32.79 1.65 -0.01
ASTORIA_GT_12 24226	29.21 1.73 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.53 1.27 0.00	35.47 1.62 0.00	41.06 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.65 2.11 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.32 2.26 0.00	46.16 2.41 0.00	47.54 2.39 0.00	41.67 1.79 0.00	35.90 1.71 0.00	32.79 1.65 -0.01
ASTORIA_GT_13 24227	29.21 1.73 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.53 1.27 0.00	35.47 1.62 0.00	41.06 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.65 2.11 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.32 2.26 0.00	46.16 2.41 0.00	47.54 2.39 0.00	41.67 1.79 0.00	35.90 1.71 0.00	32.79 1.65 -0.01
ASTORIA_GT_5 24106	29.41 1.84 -0.10	26.53 1.69 0.00	24.25 1.54 0.00	22.52 1.33 0.00	25.64 1.45 0.00	29.56 1.30 0.00	36.04 1.69 -0.51	41.38 2.07 -0.29	41.90 1.90 -0.31	39.62 2.15 -0.33	38.69 1.96 -0.46	37.11 2.04 -0.47	36.44 2.07 -0.47	35.33 2.11 -0.32	34.77 2.17 -0.22	34.83 2.05 -0.24	36.45 2.16 0.00	41.69 2.32 0.00	43.20 2.14 0.00	46.03 2.28 0.00	47.41 2.26 0.00	41.77 1.64 -0.25	36.09 1.71 -0.19	32.97 1.71 -0.13
ASTORIA_GT_7 24107	29.41 1.84 -0.10	26.53 1.69 0.00	24.25 1.54 0.00	22.52 1.33 0.00	25.64 1.45 0.00	29.56 1.30 0.00	36.04 1.69 -0.51	41.38 2.07 -0.29	41.90 1.90 -0.31	39.62 2.15 -0.33	38.69 1.96 -0.46	37.11 2.04 -0.47	36.44 2.07 -0.47	35.33 2.11 -0.32	34.77 2.17 -0.22	34.83 2.05 -0.24	36.45 2.16 0.00	41.69 2.32 0.00	43.20 2.14 0.00	46.03 2.28 0.00	47.41 2.26 0.00	41.77 1.64 -0.25	36.09 1.71 -0.19	32.97 1.71 -0.13
ASTORIA_GT_8 24108	29.41 1.84 -0.10	26.53 1.69 0.00	24.25 1.54 0.00	22.52 1.33 0.00	25.64 1.45 0.00	29.56 1.30 0.00	36.04 1.69 -0.51	41.38 2.07 -0.29	41.90 1.90 -0.31	39.62 2.15 -0.33	38.69 1.96 -0.46	37.11 2.04 -0.47	36.44 2.07 -0.47	35.33 2.11 -0.32	34.77 2.17 -0.22	34.83 2.05 -0.24	36.45 2.16 0.00	41.69 2.32 0.00	43.20 2.14 0.00	46.03 2.28 0.00	47.41 2.26 0.00	41.77 1.64 -0.25	36.09 1.71 -0.19	32.97 1.71 -0.13
ASTORIA___2 24149	29.28 1.70 -0.10	26.51 1.66 -0.01	24.24 1.52 -0.01	22.51 1.31 -0.01	25.63 1.43 -0.01	29.47 1.21 0.00	35.98 1.62 -0.51	41.30 1.99 -0.29	41.81 1.83 -0.30	39.54 2.08 -0.33	38.62 1.88 -0.46	37.04 1.97 -0.47	36.38 2.00 -0.47	35.27 2.04 -0.32	34.70 2.10 -0.22	34.60 1.82 -0.24	36.38 2.09 0.01	41.56 2.20 0.01	43.11 2.05 0.01	45.98 2.23 0.01	47.31 2.17 0.01	41.93 1.80 -0.25	36.50 2.12 -0.19	32.91 1.65 -0.13
ASTORIA___3 23516	29.13 1.65 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.05 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.59 2.05 0.00	36.52 2.23 0.00	41.73 2.36 0.00	43.32 2.26 0.00	46.20 2.45 0.00	47.54 2.39 0.00	41.71 1.84 0.00	36.04 1.85 0.00	32.79 1.65 -0.01
ASTORIA___4 23517	29.21 1.73 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.53 1.27 0.00	35.47 1.62 0.00	41.06 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.65 2.11 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.32 2.26 0.00	46.16 2.41 0.00	47.54 2.39 0.00	41.67 1.79 0.00	35.90 1.71 0.00	32.79 1.65 -0.01
ASTORIA___5 23518	29.13 1.65 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.05 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.59 2.05 0.00	36.52 2.23 0.00	41.73 2.36 0.00	43.32 2.26 0.00	46.20 2.45 0.00	47.54 2.39 0.00	41.71 1.84 0.00	36.04 1.85 0.00	32.79 1.65 -0.01
AST_ENERGY_2_CC3 323677	28.96 1.48 0.00	26.23 1.39 0.00	23.98 1.27 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.41 1.16 0.00	34.70 1.49 0.63	36.52 1.95 4.45	35.16 1.94 6.47	34.70 2.12 4.54	35.79 1.92 2.40	35.79 1.94 0.75	35.79 1.93 0.05	34.84 1.94 0.01	34.38 2.01 0.01	34.55 2.02 0.01	35.79 2.16 0.66	35.79 2.28 5.86	37.76 2.22 5.52	40.29 2.36 5.82	39.28 2.35 8.21	35.79 1.75 5.84	35.77 1.57 0.00	32.57 1.43 0.00
AST_ENERGY_2_CC4 323678	28.96 1.48 0.00	26.23 1.39 0.00	23.98 1.27 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.41 1.16 0.00	34.70 1.49 0.63	36.52 1.95 4.45	35.16 1.94 6.47	34.70 2.12 4.54	35.79 1.92 2.40	35.79 1.94 0.75	35.79 1.93 0.05	34.84 1.94 0.01	34.38 2.01 0.01	34.55 2.02 0.01	35.79 2.16 0.66	35.79 2.28 5.86	37.76 2.22 5.52	40.29 2.36 5.82	39.28 2.35 8.21	35.79 1.75 5.84	35.77 1.57 0.00	32.57 1.43 0.00



ATHENS_STG_1 23668	28.11 0.63 0.00	25.51 0.67 0.00	23.37 0.66 0.00	21.76 0.57 0.00	24.80 0.61 0.00	28.65 0.40 0.00	34.35 0.51 0.00	39.65 0.62 0.00	40.24 0.56 0.00	37.72 0.59 0.00	36.82 0.54 0.00	35.16 0.55 0.00	34.49 0.58 0.00	33.50 0.59 0.00	32.99 0.61 0.00	33.15 0.62 0.00	34.91 0.62 0.00	39.99 0.63 0.00	41.68 0.62 0.00	44.45 0.70 0.00	45.73 0.59 0.00	40.32 0.44 0.00	34.64 0.44 0.00	31.66 0.53 0.00
ATHENS_STG_2 23670	28.11 0.63 0.00	25.51 0.67 0.00	23.37 0.66 0.00	21.76 0.57 0.00	24.80 0.61 0.00	28.65 0.40 0.00	34.35 0.51 0.00	39.65 0.62 0.00	40.24 0.56 0.00	37.72 0.59 0.00	36.82 0.54 0.00	35.16 0.55 0.00	34.49 0.58 0.00	33.50 0.59 0.00	32.99 0.61 0.00	33.15 0.62 0.00	34.91 0.62 0.00	39.99 0.63 0.00	41.68 0.62 0.00	44.45 0.70 0.00	45.73 0.59 0.00	40.32 0.44 0.00	34.64 0.44 0.00	31.66 0.53 0.00
ATHENS_STG_3 23677	28.11 0.63 0.00	25.51 0.67 0.00	23.37 0.66 0.00	21.76 0.57 0.00	24.80 0.61 0.00	28.65 0.40 0.00	34.35 0.51 0.00	39.65 0.62 0.00	40.24 0.56 0.00	37.72 0.59 0.00	36.82 0.54 0.00	35.16 0.55 0.00	34.49 0.58 0.00	33.50 0.59 0.00	32.99 0.61 0.00	33.15 0.62 0.00	34.91 0.62 0.00	39.99 0.63 0.00	41.68 0.62 0.00	44.45 0.70 0.00	45.73 0.59 0.00	40.32 0.44 0.00	34.64 0.44 0.00	31.66 0.53 0.00
AUBURN___LFGE 323710	27.09 -0.38 0.00	24.39 -0.45 0.00	22.30 -0.41 0.00	20.85 -0.34 0.00	23.68 -0.51 0.00	27.49 -0.76 0.00	33.03 -0.81 0.00	38.05 -0.98 0.00	38.77 -0.91 0.00	36.13 -1.00 0.00	35.22 -1.05 0.00	33.64 -0.97 0.00	32.89 -1.02 0.00	31.79 -1.12 0.00	31.28 -1.10 0.00	31.53 -1.01 0.00	33.23 -1.06 0.00	38.14 -1.22 0.00	40.04 -1.03 0.00	42.75 -1.01 0.00	44.29 -0.86 0.00	39.12 -0.76 0.00	33.41 -0.79 0.00	30.36 -0.78 0.00
BABYLON_RES_REC 323704	35.85 2.14 -6.24	32.63 2.04 -5.75	30.45 1.88 -5.86	28.81 1.67 -5.95	31.21 1.84 -5.18	35.48 1.89 -5.33	44.16 2.40 -7.91	46.72 2.89 -4.81	47.43 2.82 -4.92	45.56 2.79 -5.64	44.74 2.54 -5.93	43.49 2.52 -6.35	42.91 2.47 -6.53	40.99 2.47 -5.62	39.76 2.43 -4.95	40.10 2.47 -5.09	41.63 2.60 -4.73	46.83 2.95 -4.52	53.18 2.92 -9.20	59.11 3.15 -12.20	56.86 3.21 -8.51	46.21 2.63 -3.70	40.84 2.29 -4.36	37.78 2.12 -4.53
BALL_HILL_WT_PWR 323825	26.57 -0.91 0.00	23.80 -1.04 0.00	21.71 -1.00 0.00	20.49 -0.70 0.00	22.96 -1.23 0.00	26.53 -1.72 0.00	31.37 -2.47 0.00	35.67 -3.36 0.00	36.51 -3.18 0.00	33.71 -3.42 0.00	32.82 -3.45 0.00	31.49 -3.11 0.00	30.59 -3.32 0.00	29.48 -3.42 0.00	28.85 -3.53 0.00	29.05 -3.48 0.01	30.79 -3.74 0.00	35.62 -3.50 0.00	37.62 -3.63 0.00	40.12 -3.63 0.00	41.85 -3.29 0.00	37.13 -2.75 0.00	31.66 -2.53 0.00	28.89 -2.24 0.00
BARON_WINDS___WT_PWR 323822	27.06 -0.41 0.00	24.32 -0.52 0.00	22.23 -0.48 0.00	20.87 -0.32 0.00	23.51 -0.68 0.00	27.21 -1.04 0.00	32.32 -1.52 0.00	36.92 -2.11 0.00	37.58 -2.10 0.00	34.83 -2.30 0.00	33.84 -2.43 0.00	32.29 -2.32 0.00	31.40 -2.51 0.00	30.27 -2.63 0.00	29.69 -2.69 0.00	29.85 -2.67 0.02	31.65 -2.64 0.00	36.57 -2.79 0.00	38.56 -2.51 0.00	41.26 -2.49 0.00	42.94 -2.21 0.00	38.00 -1.87 0.00	32.45 -1.74 0.00	29.52 -1.62 0.00
BARRETT_IC_1 23704	104.75 1.59 -75.68	94.15 1.59 -67.72	93.19 1.52 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.69 1.44 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.88 -81.19	122.72 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.80 1.99 -55.52	94.48 2.20 -52.92	151.33 2.22 -108.05	189.47 2.40 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42
BARRETT_IC_10 23701	51.39 1.59 -22.32	49.76 1.59 -23.33	47.99 1.52 -23.76	46.72 1.36 -24.18	46.72 1.48 -21.05	51.39 1.44 -21.69	51.39 1.76 -15.79	51.39 2.07 -10.30	51.81 2.02 -10.10	51.39 2.08 -12.18	47.35 1.88 -9.19	47.35 1.87 -10.88	47.36 1.90 -11.55	47.36 1.91 -12.55	47.36 1.94 -13.04	47.36 1.92 -12.90	54.87 1.99 -18.59	59.44 2.20 -17.87	79.75 2.22 -36.46	94.52 2.40 -48.36	81.27 2.39 -33.73	48.76 1.91 -6.97	47.35 1.64 -11.52	47.35 1.59 -14.63
BARRETT_IC_11 23702	51.39 1.59 -22.32	49.76 1.59 -23.33	47.99 1.52 -23.76	46.72 1.36 -24.18	46.72 1.48 -21.05	51.39 1.44 -21.69	51.39 1.76 -15.79	51.39 2.07 -10.30	51.81 2.02 -10.10	51.39 2.08 -12.18	47.35 1.88 -9.19	47.35 1.87 -10.88	47.36 1.90 -11.55	47.36 1.91 -12.55	47.36 1.94 -13.04	47.36 1.92 -12.90	54.87 1.99 -18.59	59.44 2.20 -17.87	79.75 2.22 -36.46	94.52 2.40 -48.36	81.27 2.39 -33.73	48.76 1.91 -6.97	47.35 1.64 -11.52	47.35 1.59 -14.63
BARRETT_IC_12 23703	51.39 1.59 -22.32	49.76 1.59 -23.33	47.99 1.52 -23.76	46.72 1.36 -24.18	46.72 1.48 -21.05	51.39 1.44 -21.69	51.39 1.76 -15.79	51.39 2.07 -10.30	51.81 2.02 -10.10	51.39 2.08 -12.18	47.35 1.88 -9.19	47.35 1.87 -10.88	47.36 1.90 -11.55	47.36 1.91 -12.55	47.36 1.94 -13.04	47.36 1.92 -12.90	54.87 1.99 -18.59	59.44 2.20 -17.87	79.75 2.22 -36.46	94.52 2.40 -48.36	81.27 2.39 -33.73	48.76 1.91 -6.97	47.35 1.64 -11.52	47.35 1.59 -14.63
BARRETT_IC_2 23705	104.75 1.59 -75.68	94.15 1.59 -67.72	93.19 1.52 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.69 1.44 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.88 -81.19	122.72 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.80 1.99 -55.52	94.48 2.20 -52.92	151.33 2.22 -108.05	189.47 2.40 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42
BARRETT_IC_3 23706	104.75 1.59 -75.68	94.15 1.59 -67.72	93.19 1.52 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.69 1.44 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.88 -81.19	122.72 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.80 1.99 -55.52	94.48 2.20 -52.92	151.33 2.22 -108.05	189.47 2.40 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42
BARRETT_IC_4 23707	104.75 1.59 -75.68	94.15 1.59 -67.72	93.19 1.52 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.69 1.44 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.88 -81.19	122.72 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.80 1.99 -55.52	94.48 2.20 -52.92	151.33 2.22 -108.05	189.47 2.40 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42
BARRETT_IC_5 23708	104.75 1.59 -75.68	94.15 1.59 -67.72	93.19 1.52 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.69 1.44 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.88 -81.19	122.72 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.80 1.99 -55.52	94.48 2.20 -52.92	151.33 2.22 -108.05	189.47 2.40 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42



BARRETT_IC_6 23709	104.75 1.59 -75.68	94.15 1.59 -67.72	93.19 1.52 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.69 1.44 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.88 -81.19	122.72 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.80 1.99 -55.52	94.48 2.20 -52.92	151.33 2.22 -108.05	189.47 2.40 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42
BARRETT_IC_7 23710	104.81 1.65 -75.68	94.15 1.59 -67.72	93.21 1.54 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.72 1.47 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.89 -81.19	122.73 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.80 1.99 -55.52	94.52 2.24 -52.92	151.33 2.22 -108.05	189.38 2.32 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42
BARRETT_IC_8 23711	104.75 1.59 -75.68	94.15 1.59 -67.72	93.19 1.52 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.69 1.44 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.88 -81.19	122.72 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.80 1.99 -55.52	94.48 2.20 -52.92	151.33 2.22 -108.05	189.47 2.40 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42
BARRETT_IC_9 23700	51.39 1.59 -22.32	49.76 1.59 -23.33	47.99 1.52 -23.76	46.72 1.36 -24.18	46.72 1.48 -21.05	51.39 1.44 -21.69	51.39 1.76 -15.79	51.39 2.07 -10.30	51.81 2.02 -10.10	51.39 2.08 -12.18	47.35 1.88 -9.19	47.35 1.87 -10.88	47.36 1.90 -11.55	47.36 1.91 -12.55	47.36 1.94 -13.04	47.36 1.92 -12.90	54.87 1.99 -18.59	59.44 2.20 -17.87	79.75 2.22 -36.46	94.52 2.40 -48.36	81.27 2.39 -33.73	48.76 1.91 -6.97	47.35 1.64 -11.52	47.35 1.59 -14.63
BARRETT___1 23545	104.75 1.59 -75.68	94.15 1.59 -67.72	93.19 1.52 -68.96	92.75 1.36 -70.21	86.81 1.48 -61.14	92.69 1.44 -63.00	141.33 1.76 -105.72	104.75 2.07 -63.66	107.19 2.02 -65.48	113.85 2.08 -74.64	119.35 1.88 -81.19	122.72 1.87 -86.25	124.08 1.90 -88.27	108.81 1.91 -74.00	97.97 1.94 -63.64	100.24 1.92 -65.78	91.82 1.99 -55.54	94.48 2.20 -52.92	151.33 2.22 -108.05	189.47 2.40 -143.31	147.49 2.39 -99.95	91.80 1.91 -50.01	91.80 1.64 -55.97	89.14 1.59 -56.42
BARRETT___2 23546	51.39 1.59 -22.32	49.76 1.59 -23.33	47.99 1.52 -23.76	46.72 1.36 -24.18	46.72 1.48 -21.05	51.39 1.44 -21.69	51.39 1.76 -15.79	51.39 2.07 -10.30	51.81 2.02 -10.10	51.39 2.08 -12.18	47.35 1.88 -9.19	47.35 1.87 -10.88	47.36 1.90 -11.55	47.36 1.91 -12.55	47.36 1.94 -13.04	47.36 1.92 -12.90	54.87 1.99 -18.59	59.44 2.20 -17.87	79.75 2.22 -36.46	94.52 2.40 -48.36	81.27 2.39 -33.73	48.76 1.91 -6.97	47.35 1.64 -11.52	47.35 1.59 -14.63
BATAVIA___115KV_TB1 55881	26.84 -0.63 0.00	24.02 -0.82 0.00	21.89 -0.82 0.00	20.64 -0.55 0.00	23.20 -0.99 0.00	26.81 -1.44 0.00	31.88 -1.96 0.00	36.29 -2.73 0.00	37.35 -2.34 0.00	34.49 -2.64 0.00	33.48 -2.79 0.00	32.25 -2.35 0.00	31.30 -2.61 0.00	30.14 -2.76 0.00	29.53 -2.85 0.00	29.90 -2.64 0.01	31.58 -2.71 0.00	36.37 -2.99 0.00	38.52 -2.55 0.00	41.04 -2.71 0.00	42.89 -2.26 0.00	37.88 -1.99 0.00	32.14 -2.05 0.00	29.21 -1.93 0.00
BAYONEEC___CTG1 323682	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BAYONEEC___CTG10 323750	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BAYONEEC___CTG2 323683	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BAYONEEC___CTG3 323684	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BAYONEEC___CTG4 323685	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BAYONEEC___CTG5 323686	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BAYONEEC___CTG6 323687	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BAYONEEC___CTG7 323688	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00



BAYONEEC___CTG8 323689	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BAYONEEC___CTG9 323749	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.73 2.36 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
BEACON___LESR 323632	28.19 0.71 0.00	25.53 0.69 0.00	23.39 0.68 0.00	21.80 0.61 0.00	24.82 0.63 0.00	28.62 0.37 0.00	34.28 0.44 0.00	39.53 0.51 0.00	40.08 0.40 0.00	37.46 0.33 0.00	36.63 0.36 0.00	34.92 0.31 0.00	34.18 0.27 0.00	33.30 0.40 0.00	32.77 0.39 0.00	32.93 0.39 0.00	34.63 0.34 0.00	39.80 0.43 0.00	41.48 0.41 0.00	44.19 0.44 0.00	45.42 0.27 0.00	40.16 0.28 0.00	34.43 0.24 0.00	31.48 0.34 0.00
BEAVER RIVER___HYD 24048	26.90 -0.58 0.00	24.32 -0.52 0.00	22.32 -0.39 0.00	20.91 -0.28 0.00	24.17 -0.02 0.00	28.31 0.06 0.00	33.91 0.07 0.00	38.99 -0.04 0.00	39.61 -0.08 0.00	36.87 -0.26 0.00	35.94 -0.33 0.00	34.05 -0.56 0.00	33.40 -0.51 0.00	32.38 -0.53 0.00	31.80 -0.58 0.00	31.98 -0.55 0.00	33.85 -0.45 0.00	39.01 -0.35 0.00	40.94 -0.12 0.00	43.49 -0.26 0.00	45.15 0.00 0.00	39.96 0.08 0.00	34.29 0.10 0.00	31.04 -0.09 0.00
BEEBEE_GT_13 23619	26.65 -0.82 0.00	23.92 -0.92 0.00	21.82 -0.89 0.00	20.49 -0.70 0.00	23.15 -1.04 0.00	26.81 -1.44 0.00	31.95 -1.90 0.00	36.53 -2.50 0.00	37.50 -2.18 0.00	34.86 -2.26 0.00	33.95 -2.32 0.00	32.67 -1.94 0.00	31.81 -2.10 0.00	30.67 -2.24 0.00	30.11 -2.27 0.00	30.45 -2.08 0.00	32.10 -2.19 0.00	36.84 -2.52 0.00	38.77 -2.30 0.00	41.30 -2.45 0.00	42.98 -2.17 0.00	37.92 -1.95 0.00	32.28 -1.91 0.00	29.36 -1.77 0.00
BENSHRST_27_KV_BENSHRST_1 355998	29.40 1.92 -0.01	26.55 1.71 0.00	24.27 1.57 0.00	22.52 1.33 0.00	25.64 1.45 0.00	29.70 1.44 0.00	35.67 1.83 0.00	41.33 2.30 0.00	41.91 2.22 0.00	39.54 2.41 0.00	38.48 2.21 0.00	36.86 2.25 0.00	36.18 2.27 0.00	35.18 2.27 0.00	34.71 2.33 0.00	34.91 2.38 0.00	36.80 2.50 0.00	42.16 2.79 0.00	43.72 2.63 -0.02	46.58 2.80 -0.02	47.97 2.80 -0.02	42.07 2.19 0.00	36.21 2.02 0.00	33.04 1.90 -0.01
BETHLEHEM___GRP 23843	27.69 0.22 0.00	25.26 0.42 0.00	23.14 0.43 0.00	21.59 0.40 0.00	24.55 0.36 0.00	28.26 0.00 0.00	33.81 -0.03 0.00	38.95 -0.08 0.00	39.49 -0.20 0.00	36.91 -0.22 0.00	36.13 -0.15 0.00	34.43 -0.17 0.00	33.74 -0.17 0.00	32.84 -0.07 0.00	32.35 -0.03 0.00	32.47 -0.07 0.00	34.12 -0.17 0.00	39.25 -0.12 0.00	40.82 -0.25 0.00	43.49 -0.26 0.00	44.74 -0.41 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	31.07 -0.06 0.00
BETHLEHEM___GS1 323560	27.86 0.38 0.00	25.26 0.42 0.00	23.14 0.43 0.00	21.57 0.38 0.00	24.55 0.36 0.00	28.26 0.00 0.00	33.81 -0.03 0.00	38.95 -0.08 0.00	39.49 -0.20 0.00	36.91 -0.22 0.00	36.13 -0.14 0.00	34.43 -0.17 0.00	33.74 -0.17 0.00	32.84 -0.07 0.00	32.35 -0.03 0.00	32.47 -0.06 0.00	34.12 -0.17 0.00	39.25 -0.12 0.00	40.82 -0.24 0.00	43.49 -0.26 0.00	44.70 -0.45 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	31.07 -0.06 0.00
BETHLEHEM___GS2 323561	27.86 0.38 0.00	25.26 0.42 0.00	23.14 0.43 0.00	21.57 0.38 0.00	24.55 0.36 0.00	28.26 0.00 0.00	33.81 -0.03 0.00	38.95 -0.08 0.00	39.49 -0.20 0.00	36.91 -0.22 0.00	36.13 -0.14 0.00	34.43 -0.17 0.00	33.74 -0.17 0.00	32.84 -0.07 0.00	32.35 -0.03 0.00	32.47 -0.06 0.00	34.12 -0.17 0.00	39.25 -0.12 0.00	40.82 -0.24 0.00	43.49 -0.26 0.00	44.70 -0.45 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	31.07 -0.06 0.00
BETHLEHEM___GS3 323562	27.86 0.38 0.00	25.26 0.42 0.00	23.14 0.43 0.00	21.57 0.38 0.00	24.55 0.36 0.00	28.26 0.00 0.00	33.81 -0.03 0.00	38.95 -0.08 0.00	39.49 -0.20 0.00	36.91 -0.22 0.00	36.13 -0.14 0.00	34.43 -0.17 0.00	33.74 -0.17 0.00	32.84 -0.07 0.00	32.35 -0.03 0.00	32.47 -0.06 0.00	34.12 -0.17 0.00	39.25 -0.12 0.00	40.82 -0.24 0.00	43.49 -0.26 0.00	44.70 -0.45 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	31.07 -0.06 0.00
BETHLEHEM___STEEL 23779	26.54 -0.93 0.00	23.72 -1.12 0.00	21.66 -1.04 0.00	20.42 -0.76 0.00	22.91 -1.28 0.00	26.48 -1.78 0.00	31.27 -2.57 0.00	35.55 -3.47 0.00	36.43 -3.25 0.00	33.68 -3.45 0.00	32.75 -3.52 0.00	31.46 -3.15 0.00	30.55 -3.36 0.00	29.45 -3.46 0.00	28.82 -3.56 0.00	29.01 -3.51 0.01	30.76 -3.53 0.00	35.43 -3.94 0.00	37.53 -3.53 0.00	39.90 -3.85 0.00	41.67 -3.48 0.00	36.89 -2.99 0.00	31.52 -2.67 0.00	28.77 -2.37 0.00
BETHLHEM_115KV_TB1 79974	27.75 0.27 0.00	25.29 0.45 0.00	23.16 0.45 0.00	21.61 0.42 0.00	24.58 0.39 0.00	28.31 0.06 0.00	33.88 0.03 0.00	39.06 0.04 0.00	39.61 -0.08 0.00	37.02 -0.11 0.00	36.20 -0.07 0.00	34.54 -0.07 0.00	33.84 -0.07 0.00	32.94 0.03 0.00	32.41 0.03 0.00	32.57 0.03 0.00	34.22 -0.07 0.00	39.36 0.00 0.00	40.94 -0.12 0.00	43.62 -0.13 0.00	44.88 -0.27 0.00	39.72 -0.16 0.00	34.06 -0.14 0.00	31.17 0.03 0.00
BETHPAGE_CC_5 323564	37.42 2.06 -7.89	34.03 1.96 -7.22	31.88 1.82 -7.36	30.27 1.61 -7.47	32.48 1.79 -6.50	36.79 1.84 -6.70	46.41 2.30 -10.26	48.02 2.77 -6.22	48.80 2.74 -6.38	47.18 2.75 -7.30	46.51 2.50 -7.74	45.38 2.49 -8.28	44.88 2.47 -8.49	42.60 2.43 -7.26	41.17 2.43 -6.36	41.55 2.47 -6.54	42.80 2.57 -5.94	47.87 2.84 -5.67	55.41 2.79 -11.55	62.09 3.02 -15.32	58.90 3.07 -10.68	47.17 2.47 -4.82	41.94 2.16 -5.59	38.96 2.05 -5.77
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	26.62 -0.85 0.00	23.80 -1.04 0.00	21.73 -0.98 0.00	20.49 -0.70 0.00	22.98 -1.21 0.00	26.56 -1.70 0.00	31.41 -2.44 0.00	35.71 -3.32 0.00	36.59 -3.10 0.00	33.79 -3.34 0.00	32.90 -3.37 0.00	31.56 -3.05 0.00	30.69 -3.22 0.00	29.55 -3.36 0.00	28.92 -3.46 0.00	29.11 -3.42 0.01	30.86 -3.43 0.00	35.55 -3.82 0.00	37.66 -3.41 0.00	40.04 -3.72 0.00	41.81 -3.34 0.00	37.01 -2.87 0.00	31.59 -2.60 0.00	28.83 -2.30 0.00
BINGHAMTON___COGEN 23790	27.56 0.08 0.00	24.84 0.00 0.00	22.73 0.02 0.00	21.25 0.06 0.00	24.12 -0.07 0.00	27.94 -0.31 0.00	33.47 -0.37 0.00	38.52 -0.51 0.00	39.13 -0.56 0.00	36.57 -0.56 0.00	35.65 -0.62 0.00	34.02 -0.59 0.00	33.27 -0.64 0.00	32.18 -0.72 0.00	31.64 -0.74 0.00	31.85 -0.68 0.00	33.61 -0.69 0.00	38.62 -0.75 0.00	40.45 -0.62 0.00	43.14 -0.61 0.00	44.74 -0.41 0.00	39.52 -0.36 0.00	33.78 -0.41 0.00	30.73 -0.40 0.00



BIXINCNT_115KV_LOAD 355685	26.95 -0.52 0.00	24.09 -0.75 0.00	22.05 -0.66 0.00	20.83 -0.36 0.00	23.34 -0.85 0.00	26.98 -1.27 0.00	32.05 -1.79 0.00	36.53 -2.50 0.00	37.27 -2.42 0.00	34.34 -2.78 0.00	33.30 -2.97 0.00	31.91 -2.70 0.00	30.82 -3.09 0.00	29.65 -3.26 0.00	28.95 -3.43 0.00	29.08 -3.45 0.01	30.97 -3.33 0.00	35.66 -3.70 0.00	37.78 -3.29 0.00	40.17 -3.59 0.00	41.85 -3.30 0.00	37.05 -2.83 0.00	31.52 -2.67 0.00	28.77 -2.37 0.00
BLACK RIVER___HYD 24047	27.12 -0.36 0.00	24.44 -0.40 0.00	22.41 -0.30 0.00	20.99 -0.19 0.00	24.21 0.02 0.00	28.34 0.09 0.00	34.01 0.17 0.00	39.06 0.04 0.00	39.65 -0.04 0.00	36.87 -0.26 0.00	35.87 -0.40 0.00	33.95 -0.66 0.00	33.23 -0.68 0.00	32.21 -0.69 0.00	31.67 -0.71 0.00	31.95 -0.58 0.00	33.78 -0.51 0.00	39.05 -0.32 0.00	41.11 0.04 0.00	43.75 0.00 0.00	45.47 0.32 0.00	40.16 0.28 0.00	34.40 0.21 0.00	31.10 -0.03 0.00
BLACKRVR_115KV_TB2 79977	27.12 -0.36 0.00	24.44 -0.40 0.00	22.41 -0.30 0.00	21.00 -0.19 0.00	24.21 0.02 0.00	28.34 0.08 0.00	34.01 0.17 0.00	39.06 0.04 0.00	39.65 -0.04 0.00	36.87 -0.26 0.00	35.87 -0.40 0.00	33.95 -0.66 0.00	33.23 -0.68 0.00	32.25 -0.66 0.00	31.67 -0.71 0.00	31.95 -0.59 0.00	33.78 -0.51 0.00	39.01 -0.35 0.00	41.11 0.04 0.00	43.80 0.04 0.00	45.46 0.32 0.00	40.16 0.28 0.00	34.40 0.21 0.00	31.10 -0.03 0.00
BLDWN_LI_69_KV_BK4 356085	53.59 2.01 -24.12	48.41 1.86 -21.71	46.56 1.75 -22.11	45.22 1.55 -22.49	45.47 1.69 -19.58	50.19 1.75 -20.18	69.08 2.17 -33.08	61.55 2.58 -19.95	62.73 2.54 -20.50	63.05 2.52 -23.40	63.91 2.36 -25.29	63.83 2.32 -26.91	63.77 2.31 -27.55	58.39 2.27 -23.21	54.73 2.30 -20.05	55.55 2.31 -20.70	54.54 2.43 -17.81	59.16 2.79 -17.00	78.50 2.75 -34.68	92.69 2.93 -46.00	80.25 3.02 -32.08	57.96 2.47 -15.61	53.92 2.09 -17.64	50.98 1.96 -17.88
BLISS_WT_PWR 323608	26.87 -0.60 0.00	24.07 -0.77 0.00	22.07 -0.64 0.00	20.85 -0.34 0.00	23.37 -0.82 0.00	27.04 -1.21 0.00	32.05 -1.79 0.00	36.57 -2.46 0.00	37.31 -2.38 0.00	34.30 -2.82 0.00	33.30 -2.97 0.00	31.84 -2.77 0.00	30.76 -3.15 0.00	29.55 -3.36 0.00	28.82 -3.56 0.00	28.98 -3.55 0.01	30.86 -3.43 0.00	35.74 -3.62 0.00	37.66 -3.41 0.00	40.08 -3.68 0.00	41.67 -3.48 0.00	36.85 -3.03 0.00	31.35 -2.84 0.00	28.64 -2.49 0.00
BLUESTONE___WT_PWR 323821	28.63 1.15 0.00	25.83 0.99 0.00	23.66 0.95 0.00	22.14 0.95 0.00	25.30 1.11 0.00	29.41 1.16 0.00	35.33 1.49 0.00	40.59 1.56 0.00	41.31 1.63 0.00	38.61 1.49 0.00	37.65 1.38 0.00	35.64 1.04 0.00	34.86 0.95 0.00	33.76 0.85 0.00	33.19 0.81 0.00	33.49 0.94 0.00	35.39 1.10 0.00	40.62 1.26 0.00	42.54 1.48 0.00	45.24 1.49 0.00	46.86 1.72 0.00	41.27 1.40 0.00	35.32 1.13 0.00	32.04 0.90 0.00
BLUE_CIRC_CHEM_DRP 24182	27.97 0.49 0.00	25.44 0.60 0.00	23.30 0.59 0.00	21.74 0.55 0.00	24.72 0.53 0.00	28.57 0.31 0.00	34.18 0.34 0.00	39.38 0.35 0.00	39.93 0.24 0.00	37.28 0.15 0.00	36.45 0.18 0.00	34.75 0.14 0.00	34.01 0.10 0.00	33.10 0.20 0.00	32.58 0.19 0.00	32.77 0.23 0.00	34.46 0.17 0.00	39.64 0.28 0.00	41.31 0.25 0.00	44.02 0.26 0.00	45.33 0.18 0.00	40.08 0.20 0.00	34.40 0.21 0.00	31.45 0.31 0.00
BOC_GAS_DRP 24189	27.89 0.41 0.00	25.34 0.50 0.00	23.21 0.50 0.00	21.63 0.44 0.00	24.63 0.44 0.00	28.45 0.20 0.00	34.08 0.24 0.00	39.30 0.27 0.00	39.85 0.16 0.00	37.28 0.15 0.00	36.45 0.18 0.00	34.78 0.17 0.00	34.08 0.17 0.00	33.14 0.23 0.00	32.61 0.23 0.00	32.77 0.23 0.00	34.46 0.17 0.00	39.60 0.24 0.00	41.27 0.21 0.00	43.93 0.18 0.00	45.24 0.09 0.00	40.00 0.12 0.00	34.29 0.10 0.00	31.35 0.22 0.00
BOONVILLE_115KV_TB1 79983	27.58 0.11 0.00	24.94 0.10 0.00	22.84 0.14 0.00	21.38 0.19 0.00	24.58 0.39 0.00	28.68 0.42 0.00	34.38 0.54 0.00	39.57 0.55 0.00	40.28 0.60 0.00	37.57 0.45 0.00	36.67 0.40 0.00	34.81 0.21 0.00	34.11 0.20 0.00	33.10 0.20 0.00	32.54 0.16 0.00	32.77 0.23 0.00	34.60 0.31 0.00	39.80 0.43 0.00	41.64 0.57 0.00	44.28 0.53 0.00	45.83 0.68 0.00	40.48 0.60 0.00	34.67 0.48 0.00	31.48 0.34 0.00
BORALEX_4TH_BRANCH 23824	28.60 1.13 0.00	25.91 1.07 0.00	23.73 1.02 0.00	22.12 0.93 0.00	25.18 0.99 0.00	29.19 0.93 0.00	35.09 1.25 0.00	40.20 1.17 0.00	40.52 0.83 0.00	37.61 0.48 0.00	37.00 0.73 0.00	35.26 0.66 0.00	34.55 0.64 0.00	33.63 0.72 0.00	33.06 0.68 0.00	33.09 0.55 0.00	34.74 0.45 0.00	40.19 0.83 0.00	41.93 0.86 0.00	44.67 0.92 0.00	45.96 0.81 0.00	40.60 0.72 0.00	34.74 0.55 0.00	31.82 0.68 0.00
BOWLINE___1 23526	28.68 1.21 0.00	26.01 1.17 0.00	23.77 1.07 0.00	22.10 0.91 0.00	25.18 0.99 0.00	29.19 0.93 0.00	35.09 1.25 0.00	40.66 1.64 0.00	41.23 1.55 0.00	38.80 1.67 0.00	37.79 1.52 0.00	36.13 1.52 0.00	35.44 1.53 0.00	34.45 1.55 0.00	33.97 1.59 0.00	34.13 1.59 0.00	35.97 1.68 0.00	41.09 1.73 0.00	42.75 1.68 0.00	45.63 1.88 0.00	47.04 1.90 0.00	41.31 1.43 0.00	35.46 1.27 0.00	32.29 1.15 0.00
BOWLINE___2 23595	28.71 1.24 0.00	26.01 1.17 0.00	23.77 1.07 0.00	22.10 0.91 0.00	25.18 0.99 0.00	29.19 0.93 0.00	35.13 1.29 0.00	40.66 1.64 0.00	41.23 1.55 0.00	38.84 1.71 0.00	37.83 1.56 0.00	36.13 1.52 0.00	35.44 1.53 0.00	34.45 1.55 0.00	33.97 1.59 0.00	34.13 1.59 0.00	35.97 1.68 0.00	41.14 1.77 0.00	42.75 1.68 0.00	45.63 1.88 0.00	47.04 1.90 0.00	41.31 1.43 0.00	35.46 1.27 0.00	32.29 1.15 0.00
BRADY___115KV_TB2 356060	27.53 0.05 0.00	24.84 0.00 0.00	22.71 0.00 0.00	21.23 0.04 0.00	24.34 0.15 0.00	28.88 0.62 0.00	34.38 0.54 0.00	39.69 0.66 0.00	40.28 0.60 0.00	37.57 0.45 0.00	36.71 0.44 0.00	34.92 0.31 0.00	34.32 0.41 0.00	33.27 0.36 0.00	32.67 0.29 0.00	32.73 0.20 0.00	34.74 0.45 0.00	39.91 0.55 0.00	41.76 0.70 0.00	44.50 0.74 0.00	45.83 0.68 0.00	40.84 0.96 0.00	35.12 0.92 0.00	31.76 0.62 0.00
BRANSCOMB___SOLAR 323811	28.57 1.10 0.00	25.83 0.99 0.00	23.64 0.93 0.00	22.03 0.85 0.00	25.09 0.90 0.00	29.16 0.90 0.00	34.99 1.15 0.00	40.39 1.37 0.00	40.92 1.23 0.00	38.13 1.00 0.00	37.32 1.05 0.00	35.54 0.93 0.00	34.72 0.81 0.00	33.79 0.89 0.00	33.22 0.84 0.00	33.32 0.78 0.00	35.08 0.79 0.00	40.35 0.98 0.00	42.21 1.15 0.00	44.94 1.18 0.00	46.46 1.31 0.00	40.96 1.08 0.00	35.12 0.92 0.00	32.04 0.90 0.00
BRDGHMPT_69_KV_BK1 55812	32.62 2.80 -2.34	29.56 2.43 -2.28	27.30 2.27 -2.32	25.42 1.89 -2.35	28.34 2.10 -2.04	32.34 1.98 -2.11	38.88 2.61 -2.43	43.77 3.24 -1.51	44.43 3.21 -1.52	42.13 3.23 -1.77	40.73 2.76 -1.71	39.28 2.80 -1.87	38.59 2.75 -1.94	37.49 2.80 -1.78	36.53 2.49 -1.66	36.82 2.60 -1.68	38.74 2.57 -1.88	44.43 3.27 -1.79	47.62 2.92 -3.64	51.69 3.11 -4.83	51.76 3.25 -3.37	43.78 2.79 -1.11	37.98 2.33 -1.46	34.94 2.18 -1.62



BRENTWOD_69_KV_W. BRTWOOD 56703	33.00 2.50 -3.03	30.02 2.29 -2.89	27.79 2.13 -2.95	26.05 1.89 -2.98	28.87 2.08 -2.59	33.05 2.12 -2.67	39.92 2.67 -3.40	44.36 3.24 -2.10	44.99 3.17 -2.13	42.75 3.16 -2.46	41.59 2.87 -2.46	40.12 2.84 -2.67	39.48 2.81 -2.76	38.13 2.76 -2.47	37.31 2.69 -2.24	37.56 2.73 -2.29	39.52 2.85 -2.38	44.95 3.31 -2.28	48.89 3.20 -4.62	53.30 3.41 -6.13	52.94 3.52 -4.27	44.36 2.91 -1.57	38.73 2.56 -1.98	35.58 2.30 -2.14
BRISTLHL_115KV_TB1 79998	26.59 -0.88 0.00	23.97 -0.87 0.00	21.93 -0.77 0.00	20.49 -0.70 0.00	23.30 -0.90 0.00	27.07 -1.19 0.00	32.45 -1.39 0.00	37.43 -1.60 0.00	38.10 -1.59 0.00	35.61 -1.52 0.00	34.75 -1.52 0.00	33.15 -1.45 0.00	32.42 -1.49 0.00	31.36 -1.55 0.00	30.89 -1.49 0.00	31.14 -1.40 0.00	32.78 -1.51 0.00	37.63 -1.73 0.00	39.38 -1.68 0.00	42.05 -1.71 0.00	43.48 -1.67 0.00	38.40 -1.48 0.00	32.86 -1.33 0.00	29.89 -1.25 0.00
BROOKHAVEN___DRP 24191	32.19 2.39 -2.33	29.30 2.19 -2.27	27.11 2.09 -2.31	25.34 1.82 -2.33	28.25 2.03 -2.03	32.27 1.92 -2.09	38.72 2.47 -2.41	43.53 3.00 -1.50	44.13 2.94 -1.51	41.82 2.93 -1.76	40.53 2.58 -1.69	39.13 2.66 -1.85	38.47 2.64 -1.92	37.31 2.63 -1.77	36.39 2.36 -1.65	36.61 2.41 -1.67	38.59 2.43 -1.87	44.14 2.99 -1.78	47.43 2.75 -3.62	51.49 2.93 -4.80	51.47 2.98 -3.34	43.49 2.51 -1.10	37.80 2.15 -1.45	34.71 1.96 -1.61
BROOKLYN_NAVY_YARD 23515	28.99 1.43 -0.09	26.18 1.34 0.00	23.93 1.23 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.36 1.10 0.00	35.70 1.45 -0.40	41.17 1.91 -0.23	41.83 1.90 -0.24	39.44 2.04 -0.27	38.49 1.85 -0.37	36.84 1.87 -0.37	36.18 1.90 -0.37	35.07 1.91 -0.26	34.50 1.94 -0.18	34.82 2.08 -0.20	36.49 2.20 0.00	41.65 2.28 0.00	43.32 2.26 0.00	46.16 2.40 0.00	47.54 2.39 0.00	41.76 1.67 -0.20	35.78 1.44 -0.16	32.65 1.40 -0.11
BROOKLYN___ARMY_DRP 323595	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
BROOME_2_LFGE 323671	27.53 0.06 0.00	24.84 0.00 0.00	22.73 0.02 0.00	21.25 0.06 0.00	24.12 -0.07 0.00	27.95 -0.31 0.00	33.47 -0.37 0.00	38.52 -0.51 0.00	39.13 -0.56 0.00	36.57 -0.56 0.00	35.65 -0.62 0.00	34.02 -0.59 0.00	33.26 -0.65 0.00	32.18 -0.72 0.00	31.67 -0.71 0.00	31.85 -0.68 0.00	33.61 -0.69 0.00	38.61 -0.75 0.00	40.45 -0.61 0.00	43.23 -0.52 0.00	44.74 -0.41 0.00	39.52 -0.36 0.00	33.78 -0.41 0.00	30.73 -0.41 0.00
BROOME___LFGE 323600	27.53 0.06 0.00	24.84 0.00 0.00	22.73 0.02 0.00	21.25 0.06 0.00	24.12 -0.07 0.00	27.95 -0.31 0.00	33.47 -0.37 0.00	38.52 -0.51 0.00	39.13 -0.56 0.00	36.57 -0.56 0.00	35.65 -0.62 0.00	34.02 -0.59 0.00	33.26 -0.65 0.00	32.18 -0.72 0.00	31.67 -0.71 0.00	31.85 -0.68 0.00	33.61 -0.69 0.00	38.61 -0.75 0.00	40.45 -0.61 0.00	43.23 -0.52 0.00	44.74 -0.41 0.00	39.52 -0.36 0.00	33.78 -0.41 0.00	30.73 -0.41 0.00
BROWNFLS_115KV_TB 3_5 80003	26.81 -0.66 0.00	24.22 -0.62 0.00	22.18 -0.52 0.00	20.76 -0.42 0.00	23.92 -0.27 0.00	28.14 -0.11 0.00	33.61 -0.24 0.00	38.71 -0.31 0.00	39.37 -0.32 0.00	36.72 -0.41 0.00	35.84 -0.44 0.00	33.98 -0.62 0.00	33.37 -0.54 0.00	32.38 -0.53 0.00	31.73 -0.65 0.00	31.82 -0.72 0.00	33.71 -0.58 0.00	38.77 -0.59 0.00	40.61 -0.45 0.00	43.23 -0.53 0.00	44.61 -0.54 0.00	39.68 -0.20 0.00	34.12 -0.07 0.00	30.86 -0.28 0.00
BROWNSV1_27_KV_LOAD 356125	29.23 1.76 0.00	26.41 1.56 0.00	24.14 1.43 0.00	22.41 1.23 0.00	25.54 1.35 0.00	29.64 1.38 0.00	35.64 1.79 0.00	41.33 2.30 0.00	41.99 2.30 0.00	39.58 2.45 0.00	38.52 2.25 0.00	36.86 2.25 0.00	36.18 2.27 0.00	35.14 2.24 0.00	34.68 2.30 0.00	34.88 2.34 0.00	36.76 2.47 0.00	42.08 2.72 0.00	43.69 2.63 0.00	46.51 2.76 0.00	47.95 2.80 0.00	42.03 2.15 0.00	36.07 1.88 0.00	32.85 1.71 0.00
BURROWS___LYONSDAL 23803	27.39 -0.08 0.00	24.77 -0.07 0.00	22.71 0.00 0.00	21.25 0.06 0.00	24.48 0.29 0.00	28.59 0.34 0.00	34.28 0.44 0.00	39.46 0.43 0.00	40.12 0.44 0.00	37.43 0.30 0.00	36.52 0.25 0.00	34.64 0.03 0.00	33.94 0.03 0.00	32.94 0.03 0.00	32.38 0.00 0.00	32.57 0.03 0.00	34.43 0.14 0.00	39.64 0.28 0.00	41.48 0.41 0.00	44.10 0.35 0.00	45.69 0.54 0.00	40.36 0.48 0.00	34.57 0.38 0.00	31.35 0.22 0.00
CAITHNESS_CC_1 323624	32.04 2.25 -2.31	29.23 2.14 -2.26	27.05 2.04 -2.30	25.29 1.78 -2.32	28.19 1.98 -2.02	32.23 1.89 -2.08	38.66 2.44 -2.38	43.47 2.96 -1.48	44.04 2.86 -1.50	41.73 2.86 -1.74	40.48 2.54 -1.67	39.07 2.63 -1.84	38.39 2.58 -1.90	37.23 2.57 -1.75	36.35 2.33 -1.63	36.60 2.41 -1.66	38.58 2.43 -1.85	44.05 2.91 -1.77	47.37 2.71 -3.59	51.50 2.98 -4.77	51.45 2.98 -3.32	43.44 2.47 -1.09	37.79 2.16 -1.44	34.70 1.96 -1.60
CALPINE BETH_PAGE_GT4 24209	39.40 2.12 -9.81	35.71 1.94 -8.94	33.62 1.82 -9.10	32.02 1.59 -9.24	34.00 1.77 -8.05	38.36 1.81 -8.29	49.10 2.27 -12.99	49.62 2.73 -7.86	50.45 2.70 -8.06	49.06 2.71 -9.22	48.61 2.50 -9.84	47.57 2.46 -10.50	47.12 2.44 -10.77	44.50 2.44 -9.16	42.80 2.43 -7.99	43.21 2.44 -8.23	44.20 2.57 -7.34	49.13 2.76 -7.01	58.07 2.71 -14.29	65.60 2.89 -18.96	61.35 2.98 -13.22	48.38 2.39 -6.11	43.30 2.09 -7.03	40.39 2.05 -7.20
CALPINE_BETH_PAGE_GT_4 323586	39.35 2.06 -9.81	35.72 1.94 -8.94	33.62 1.82 -9.10	32.02 1.59 -9.24	34.00 1.76 -8.05	38.36 1.81 -8.29	49.10 2.27 -12.99	49.62 2.73 -7.86	50.45 2.70 -8.06	49.06 2.71 -9.22	48.61 2.50 -9.84	47.57 2.46 -10.50	47.12 2.44 -10.77	44.50 2.43 -9.16	42.80 2.43 -7.99	43.21 2.43 -8.23	44.20 2.57 -7.34	49.09 2.71 -7.01	58.07 2.71 -14.29	65.64 2.93 -18.96	61.35 2.98 -13.22	48.38 2.39 -6.11	43.30 2.09 -7.03	40.39 2.05 -7.20
CALPINE_BP_GT1 23823	39.35 2.06 -9.81	35.72 1.94 -8.94	33.62 1.82 -9.10	32.02 1.59 -9.24	34.00 1.76 -8.05	38.36 1.81 -8.29	49.10 2.27 -12.99	49.62 2.73 -7.86	50.45 2.70 -8.06	49.06 2.71 -9.22	48.61 2.50 -9.84	47.57 2.46 -10.50	47.12 2.44 -10.77	44.50 2.43 -9.16	42.80 2.43 -7.99	43.21 2.43 -8.23	44.20 2.57 -7.34	49.09 2.71 -7.01	58.07 2.71 -14.29	65.64 2.93 -18.96	61.35 2.98 -13.22	48.38 2.39 -6.11	43.30 2.09 -7.03	40.39 2.05 -7.20
CALSPAN___DRP 24200	26.54 -0.93 0.00	23.72 -1.12 0.00	21.66 -1.04 0.00	20.42 -0.76 0.00	22.91 -1.28 0.00	26.48 -1.78 0.00	31.27 -2.57 0.00	35.55 -3.47 0.00	36.43 -3.25 0.00	33.68 -3.45 0.00	32.75 -3.52 0.00	31.46 -3.15 0.00	30.55 -3.36 0.00	29.45 -3.46 0.00	28.82 -3.56 0.00	29.01 -3.51 0.01	30.76 -3.53 0.00	35.43 -3.94 0.00	37.53 -3.53 0.00	39.90 -3.85 0.00	41.67 -3.48 0.00	36.89 -2.99 0.00	31.52 -2.67 0.00	28.77 -2.37 0.00



CALVERTON___SOLAR 323806	32.20 2.39 -2.33	29.35 2.24 -2.27	27.15 2.13 -2.31	25.39 1.86 -2.34	28.31 2.08 -2.04	32.30 1.95 -2.10	38.79 2.54 -2.41	43.61 3.08 -1.50	44.22 3.01 -1.51	41.86 2.97 -1.76	40.58 2.61 -1.69	39.20 2.73 -1.86	38.51 2.68 -1.93	37.34 2.66 -1.77	36.39 2.36 -1.65	36.65 2.44 -1.67	38.60 2.43 -1.87	44.18 3.03 -1.79	47.44 2.75 -3.62	51.58 3.02 -4.81	51.52 3.03 -3.35	43.53 2.55 -1.10	37.84 2.19 -1.45	34.75 1.99 -1.61
CANDIGU_WT_PWR 323617	27.06 -0.41 0.00	24.32 -0.52 0.00	22.23 -0.48 0.00	20.87 -0.32 0.00	23.51 -0.68 0.00	27.21 -1.04 0.00	32.32 -1.52 0.00	36.92 -2.11 0.00	37.58 -2.10 0.00	34.83 -2.30 0.00	33.84 -2.43 0.00	32.29 -2.32 0.00	31.40 -2.51 0.00	30.27 -2.63 0.00	29.69 -2.69 0.00	29.85 -2.67 0.02	31.65 -2.64 0.00	36.57 -2.79 0.00	38.56 -2.51 0.00	41.26 -2.49 0.00	42.94 -2.21 0.00	38.00 -1.87 0.00	32.45 -1.74 0.00	29.52 -1.62 0.00
CARR STREET_E_SYR 24060	27.03 -0.44 0.00	24.39 -0.45 0.00	22.30 -0.41 0.00	20.83 -0.36 0.00	23.68 -0.51 0.00	27.49 -0.76 0.00	33.00 -0.84 0.00	38.01 -1.01 0.00	38.70 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.96 -0.95 0.00	31.89 -1.02 0.00	31.38 -1.00 0.00	31.63 -0.91 0.00	33.30 -1.00 0.00	38.14 -1.22 0.00	39.79 -1.27 0.00	42.48 -1.27 0.00	43.93 -1.22 0.00	38.80 -1.07 0.00	33.27 -0.92 0.00	30.36 -0.78 0.00
CARTHAGE___PAPER 23857	26.98 -0.49 0.00	24.37 -0.47 0.00	22.34 -0.36 0.00	20.93 -0.25 0.00	24.19 0.00 0.00	28.37 0.11 0.00	33.98 0.14 0.00	39.06 0.04 0.00	39.65 -0.04 0.00	36.87 -0.26 0.00	35.91 -0.36 0.00	33.98 -0.62 0.00	33.30 -0.61 0.00	32.31 -0.59 0.00	31.73 -0.65 0.00	31.95 -0.58 0.00	33.81 -0.48 0.00	39.05 -0.32 0.00	41.07 0.00 0.00	43.67 -0.09 0.00	45.33 0.18 0.00	40.08 0.20 0.00	34.36 0.17 0.00	31.07 -0.06 0.00
CASSADAGA_WT_PWR 323784	26.54 -0.93 0.00	23.72 -1.12 0.00	21.52 -1.18 0.00	20.30 -0.89 0.00	22.69 -1.50 0.00	26.22 -2.03 0.00	31.10 -2.74 0.00	35.47 -3.55 0.00	36.19 -3.49 0.00	33.34 -3.79 0.00	32.54 -3.74 0.00	31.18 -3.43 0.00	30.21 -3.70 0.00	29.12 -3.78 0.00	28.40 -3.98 0.00	28.52 -4.00 0.01	30.31 -3.98 0.00	35.15 -4.21 0.00	37.25 -3.82 0.00	39.86 -3.89 0.00	41.81 -3.34 0.00	37.25 -2.63 0.00	31.80 -2.39 0.00	28.96 -2.18 0.00
CE_DUNWOOD___DRP 24194	28.90 1.43 0.00	26.13 1.29 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.33 1.07 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.51 1.83 0.00	39.06 1.93 0.00	38.05 1.78 0.00	36.37 1.76 0.00	35.71 1.80 0.00	34.68 1.78 0.00	34.19 1.81 0.00	34.36 1.82 0.00	36.21 1.92 0.00	41.45 2.09 0.00	43.08 2.01 0.00	45.85 2.10 0.00	47.32 2.17 0.00	41.55 1.67 0.00	35.66 1.47 0.00	32.47 1.34 0.00
CE_MILLWOOD___DRP 24193	28.85 1.37 0.00	26.11 1.27 0.00	23.86 1.16 0.00	22.16 0.97 0.00	25.25 1.06 0.00	29.30 1.05 0.00	35.23 1.39 0.00	40.82 1.80 0.00	41.43 1.75 0.00	38.98 1.86 0.00	37.98 1.70 0.00	36.30 1.70 0.00	35.60 1.70 0.00	34.58 1.68 0.00	34.10 1.72 0.00	34.29 1.76 0.00	36.14 1.85 0.00	41.33 1.97 0.00	42.95 1.89 0.00	45.77 2.01 0.00	47.23 2.08 0.00	41.47 1.60 0.00	35.59 1.40 0.00	32.41 1.28 0.00
CE_NYC2_DRP 24202	29.18 1.70 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.53 1.27 0.00	35.47 1.62 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.27 1.99 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.98 2.07 0.00	34.52 2.14 0.00	34.69 2.15 0.00	36.56 2.26 0.00	41.80 2.44 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.90 1.71 0.00	32.76 1.62 -0.01
CE_NYC_DRP 24195	29.07 1.59 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.13 2.11 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.69 2.15 0.00	36.56 2.26 0.00	41.84 2.48 0.00	43.45 2.38 0.00	46.25 2.49 0.00	47.63 2.48 0.00	41.79 1.91 0.00	35.87 1.68 0.00	32.66 1.53 0.00
CHAFFEE___LFGE 323603	26.59 -0.88 0.00	23.80 -1.04 0.00	21.73 -0.98 0.00	20.53 -0.66 0.00	22.98 -1.21 0.00	26.59 -1.67 0.00	31.44 -2.40 0.00	35.75 -3.28 0.00	36.67 -3.02 0.00	33.82 -3.30 0.00	32.97 -3.30 0.00	31.63 -2.98 0.00	30.72 -3.19 0.00	29.62 -3.29 0.00	28.98 -3.40 0.00	29.18 -3.35 0.01	30.90 -3.40 0.00	35.78 -3.58 0.00	37.74 -3.32 0.00	40.21 -3.54 0.00	41.90 -3.25 0.00	37.13 -2.75 0.00	31.63 -2.56 0.00	28.86 -2.27 0.00
CHATEAUG_35_KV_LOAD 355732	27.23 -0.25 0.00	24.59 -0.25 0.00	22.50 -0.20 0.00	21.08 -0.11 0.00	24.12 -0.07 0.00	28.54 0.28 0.00	34.01 0.17 0.00	39.38 0.35 0.00	40.12 0.44 0.00	37.50 0.37 0.00	36.67 0.40 0.00	34.92 0.31 0.00	34.35 0.44 0.00	33.33 0.43 0.00	32.74 0.36 0.00	32.83 0.29 0.00	34.81 0.51 0.00	39.95 0.59 0.00	41.68 0.62 0.00	44.50 0.74 0.00	45.87 0.72 0.00	40.64 0.76 0.00	34.88 0.68 0.00	31.60 0.47 0.00
CHATEAUG_WT_PWR 323614	27.20 -0.27 0.00	24.57 -0.27 0.00	22.48 -0.23 0.00	21.06 -0.13 0.00	24.09 -0.10 0.00	28.48 0.22 0.00	33.98 0.14 0.00	39.30 0.28 0.00	40.04 0.36 0.00	37.50 0.37 0.00	36.67 0.40 0.00	34.95 0.35 0.00	34.38 0.47 0.00	33.33 0.43 0.00	32.77 0.39 0.00	32.86 0.33 0.00	34.77 0.48 0.00	39.91 0.55 0.00	41.64 0.57 0.00	44.28 0.53 0.00	45.78 0.63 0.00	40.56 0.68 0.00	34.81 0.62 0.00	31.54 0.40 0.00
CHAT_HIGH_FALL_HYD 323578	27.23 -0.25 0.00	24.59 -0.25 0.00	22.50 -0.20 0.00	21.08 -0.11 0.00	24.12 -0.07 0.00	28.54 0.28 0.00	34.01 0.17 0.00	39.38 0.35 0.00	40.12 0.44 0.00	37.50 0.37 0.00	36.67 0.40 0.00	34.92 0.31 0.00	34.35 0.44 0.00	33.33 0.43 0.00	32.74 0.36 0.00	32.83 0.29 0.00	34.81 0.51 0.00	39.95 0.59 0.00	41.68 0.62 0.00	44.50 0.74 0.00	45.87 0.72 0.00	40.64 0.76 0.00	34.88 0.68 0.00	31.60 0.47 0.00
CHAUTAUQUA___LFGE 323629	26.68 -0.80 0.00	23.87 -0.97 0.00	21.75 -0.95 0.00	20.53 -0.66 0.00	22.98 -1.21 0.00	26.56 -1.69 0.00	31.47 -2.37 0.00	35.79 -3.24 0.00	36.55 -3.14 0.00	33.75 -3.38 0.00	32.90 -3.37 0.00	31.53 -3.08 0.00	30.62 -3.29 0.00	29.48 -3.42 0.00	28.82 -3.56 0.00	28.98 -3.55 0.01	30.76 -3.53 0.00	35.62 -3.74 0.00	37.66 -3.41 0.00	40.21 -3.54 0.00	42.08 -3.07 0.00	37.37 -2.51 0.00	31.87 -2.33 0.00	29.05 -2.09 0.00
CHERRYST_13_KV_LD 356241	29.15 1.68 0.00	26.33 1.49 0.00	24.07 1.36 0.00	22.35 1.17 0.00	25.47 1.28 0.00	29.56 1.30 0.00	35.53 1.69 0.00	41.25 2.22 0.00	41.91 2.22 0.00	39.47 2.34 0.00	38.45 2.18 0.00	36.75 2.15 0.00	36.08 2.17 0.00	35.08 2.17 0.00	34.62 2.23 0.00	34.82 2.28 0.00	36.66 2.37 0.00	41.96 2.60 0.00	43.57 2.51 0.00	46.38 2.63 0.00	47.77 2.62 0.00	41.87 1.99 0.00	35.97 1.78 0.00	32.75 1.62 0.00



CHESTROR_138KV_BK263 355645	28.57 1.10 0.00	25.86 1.02 0.00	23.64 0.93 0.00	21.97 0.78 0.00	25.04 0.85 0.00	29.05 0.79 0.00	34.93 1.08 0.00	40.39 1.37 0.00	41.00 1.31 0.00	38.54 1.41 0.00	37.54 1.27 0.00	35.85 1.25 0.00	35.16 1.25 0.00	34.16 1.25 0.00	33.68 1.30 0.00	33.84 1.30 0.00	35.66 1.37 0.00	40.82 1.46 0.00	42.46 1.40 0.00	45.29 1.53 0.00	46.73 1.58 0.00	41.07 1.20 0.00	35.25 1.06 0.00	32.13 1.00 0.00
CH_MIDHUDSON___DRP 24192	28.79 1.32 0.00	26.06 1.22 0.00	23.84 1.14 0.00	22.16 0.97 0.00	25.25 1.06 0.00	29.27 1.02 0.00	35.20 1.35 0.00	40.74 1.72 0.00	41.35 1.67 0.00	38.87 1.75 0.00	37.83 1.56 0.00	36.13 1.52 0.00	35.44 1.53 0.00	34.45 1.55 0.00	33.97 1.59 0.00	34.13 1.59 0.00	35.97 1.68 0.00	41.21 1.85 0.00	42.83 1.77 0.00	45.64 1.88 0.00	47.09 1.94 0.00	41.35 1.48 0.00	35.53 1.33 0.00	32.38 1.25 0.00
CH_MISC_IPPS 23765	28.87 1.40 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.39 1.13 0.00	35.37 1.52 0.00	40.94 1.91 0.00	41.55 1.87 0.00	39.02 1.89 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.55 1.64 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.33 1.97 0.00	43.00 1.93 0.00	45.90 2.14 0.00	47.27 2.12 0.00	41.51 1.64 0.00	35.66 1.47 0.00	32.54 1.40 0.00
CH_RES_BVR_FALLS 23983	27.20 -0.27 0.00	24.62 -0.22 0.00	22.52 -0.18 0.00	21.04 -0.15 0.00	24.05 -0.14 0.00	28.14 -0.11 0.00	33.67 -0.17 0.00	38.87 -0.16 0.00	39.57 -0.12 0.00	37.02 -0.11 0.00	36.16 -0.11 0.00	34.50 -0.10 0.00	33.81 -0.10 0.00	32.81 -0.10 0.00	32.25 -0.13 0.00	32.38 -0.16 0.00	34.12 -0.17 0.00	39.17 -0.20 0.00	40.82 -0.24 0.00	43.36 -0.39 0.00	44.88 -0.27 0.00	39.68 -0.20 0.00	34.02 -0.17 0.00	30.98 -0.15 0.00
CH_RES_NIAGARA 23895	25.74 -1.73 0.00	23.08 -1.76 0.00	21.07 -1.63 0.00	19.87 -1.31 0.00	22.30 -1.89 0.00	25.66 -2.60 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.16 -4.52 0.00	32.49 -4.64 0.00	31.63 -4.64 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.33 -5.04 0.00	36.34 -4.72 0.00	38.59 -5.16 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.46 -3.73 0.00	27.96 -3.18 0.00
CH_RES_SYRACUSE 23985	27.01 -0.47 0.00	24.34 -0.50 0.00	22.27 -0.43 0.00	20.81 -0.38 0.00	23.66 -0.53 0.00	27.46 -0.79 0.00	32.96 -0.88 0.00	38.01 -1.01 0.00	38.70 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.92 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.63 -0.91 0.00	33.30 -1.00 0.00	38.22 -1.14 0.00	40.00 -1.07 0.00	42.70 -1.05 0.00	44.16 -0.99 0.00	39.00 -0.88 0.00	33.37 -0.82 0.00	30.36 -0.78 0.00
CLINTON_WT_PWR 323605	27.20 -0.27 0.00	24.57 -0.27 0.00	22.48 -0.23 0.00	21.06 -0.13 0.00	24.09 -0.10 0.00	28.48 0.22 0.00	33.98 0.14 0.00	39.30 0.28 0.00	40.04 0.36 0.00	37.50 0.37 0.00	36.67 0.40 0.00	34.95 0.35 0.00	34.38 0.47 0.00	33.33 0.43 0.00	32.77 0.39 0.00	32.86 0.33 0.00	34.77 0.48 0.00	39.91 0.55 0.00	41.64 0.57 0.00	44.28 0.53 0.00	45.78 0.63 0.00	40.56 0.68 0.00	34.81 0.62 0.00	31.54 0.40 0.00
CLINTON___LFGE 323618	27.61 0.14 0.00	24.94 0.10 0.00	22.82 0.11 0.00	21.38 0.19 0.00	24.46 0.27 0.00	28.91 0.65 0.00	34.48 0.64 0.00	39.92 0.90 0.00	40.68 0.99 0.00	38.06 0.93 0.00	37.18 0.91 0.00	35.40 0.80 0.00	34.83 0.92 0.00	33.79 0.89 0.00	33.19 0.81 0.00	33.29 0.75 0.00	35.32 1.03 0.00	40.54 1.18 0.00	42.26 1.19 0.00	45.02 1.27 0.00	46.59 1.44 0.00	41.24 1.36 0.00	35.36 1.16 0.00	31.98 0.84 0.00
COBBLENY_34_KV_TB1 80064	26.62 -0.85 0.00	23.80 -1.04 0.00	21.73 -0.98 0.00	20.49 -0.70 0.00	22.98 -1.21 0.00	26.56 -1.70 0.00	31.44 -2.40 0.00	35.75 -3.28 0.00	36.63 -3.06 0.00	33.82 -3.30 0.00	32.93 -3.34 0.00	31.63 -2.98 0.00	30.72 -3.19 0.00	29.62 -3.29 0.00	28.98 -3.40 0.00	29.14 -3.38 0.01	30.93 -3.36 0.00	35.58 -3.78 0.00	37.74 -3.33 0.00	40.12 -3.63 0.00	41.90 -3.25 0.00	37.13 -2.75 0.00	31.66 -2.53 0.00	28.86 -2.27 0.00
COFFEEN___115KV_TB3 355620	27.23 -0.25 0.00	24.54 -0.30 0.00	22.50 -0.20 0.00	21.08 -0.11 0.00	24.31 0.12 0.00	28.45 0.20 0.00	34.18 0.34 0.00	39.22 0.20 0.00	39.77 0.08 0.00	36.94 -0.19 0.00	35.94 -0.33 0.00	33.98 -0.62 0.00	33.27 -0.64 0.00	32.25 -0.66 0.00	31.70 -0.68 0.00	31.98 -0.55 0.00	33.85 -0.45 0.00	39.13 -0.24 0.00	41.27 0.21 0.00	43.97 0.22 0.00	45.74 0.59 0.00	40.36 0.48 0.00	34.57 0.38 0.00	31.23 0.09 0.00
COLDSPRG_115KV_BK1 355956	27.17 -0.30 0.00	24.29 -0.55 0.00	22.12 -0.59 0.00	20.85 -0.34 0.00	23.37 -0.82 0.00	27.01 -1.24 0.00	32.15 -1.69 0.00	36.72 -2.30 0.00	37.42 -2.26 0.00	34.53 -2.60 0.00	33.66 -2.61 0.00	32.25 -2.35 0.00	31.26 -2.64 0.00	30.14 -2.76 0.00	29.43 -2.95 0.00	29.57 -2.96 0.01	31.41 -2.88 0.00	36.14 -3.23 0.00	38.40 -2.67 0.00	40.91 -2.84 0.00	42.94 -2.21 0.00	38.16 -1.71 0.00	32.48 -1.71 0.00	29.52 -1.62 0.00
COLONIE_LFGE___ 323577	28.30 0.82 0.00	25.63 0.79 0.00	23.45 0.75 0.00	21.86 0.68 0.00	24.92 0.73 0.00	28.88 0.62 0.00	34.62 0.78 0.00	39.85 0.82 0.00	40.32 0.63 0.00	37.61 0.48 0.00	36.85 0.58 0.00	35.13 0.52 0.00	34.38 0.47 0.00	33.46 0.56 0.00	32.90 0.52 0.00	33.03 0.49 0.00	34.70 0.41 0.00	39.99 0.63 0.00	41.72 0.66 0.00	44.45 0.70 0.00	45.78 0.63 0.00	40.44 0.56 0.00	34.64 0.44 0.00	31.66 0.53 0.00
COOPERNY_115KV_TB1 80082	28.27 0.80 0.00	25.56 0.72 0.00	23.39 0.68 0.00	21.78 0.59 0.00	24.82 0.63 0.00	28.79 0.54 0.00	34.59 0.74 0.00	39.96 0.94 0.00	40.56 0.87 0.00	38.09 0.97 0.00	37.14 0.87 0.00	35.44 0.83 0.00	34.76 0.85 0.00	33.76 0.86 0.00	33.26 0.87 0.00	33.42 0.88 0.00	35.25 0.96 0.00	40.39 1.02 0.00	42.05 0.99 0.00	44.80 1.05 0.00	46.23 1.08 0.00	40.68 0.80 0.00	34.91 0.72 0.00	31.79 0.65 0.00
COPENHAGEN_WT_PWR 323753	27.03 -0.44 0.00	24.39 -0.45 0.00	22.37 -0.34 0.00	20.95 -0.23 0.00	24.12 -0.07 0.00	28.23 -0.03 0.00	33.88 0.03 0.00	38.91 -0.12 0.00	39.49 -0.20 0.00	36.72 -0.41 0.00	35.76 -0.51 0.00	33.85 -0.76 0.00	33.16 -0.75 0.00	32.15 -0.76 0.00	31.60 -0.78 0.00	31.85 -0.68 0.00	33.68 -0.62 0.00	38.89 -0.47 0.00	40.94 -0.12 0.00	43.58 -0.17 0.00	45.28 0.14 0.00	39.96 0.08 0.00	34.26 0.07 0.00	30.98 -0.15 0.00
CORNELL_____ 23752	27.78 0.30 0.00	25.04 0.20 0.00	22.91 0.20 0.00	21.40 0.21 0.00	24.34 0.15 0.00	28.26 0.00 0.00	33.91 0.07 0.00	39.06 0.04 0.00	39.69 0.00 0.00	36.98 -0.15 0.00	36.02 -0.25 0.00	34.33 -0.28 0.00	33.54 -0.37 0.00	32.45 -0.46 0.00	31.96 -0.42 0.00	32.25 -0.33 -0.04	34.05 -0.24 0.00	39.13 -0.24 0.00	41.11 0.04 0.00	43.89 0.13 0.00	45.46 0.32 0.00	40.16 0.28 0.00	34.29 0.10 0.00	31.14 0.00 0.00



CORONA V_69_KV_TB1 355595	94.19 1.92 -64.80	84.66 1.81 -58.01	83.48 1.70 -59.07	82.81 1.50 -60.12	78.19 1.64 -52.36	83.90 1.70 -53.95	126.27 2.06 -90.36	95.90 2.46 -54.42	98.08 2.42 -55.97	103.39 2.45 -63.81	107.92 2.29 -69.37	110.56 2.25 -73.70	111.61 2.27 -75.43	98.41 2.24 -63.26	89.08 2.27 -54.43	91.04 2.25 -56.26	84.31 2.37 -47.66	87.89 2.72 -45.81	137.26 2.67 -93.52	170.65 2.84 -124.05	134.60 2.93 -86.51	84.96 2.35 -42.73	84.08 2.02 -47.87	81.30 1.90 -48.27
CORTLAND_115KV_TB3 80093	27.61 0.14 0.00	24.89 0.05 0.00	22.77 0.07 0.00	21.27 0.08 0.00	24.21 0.02 0.00	28.09 -0.17 0.00	33.71 -0.14 0.00	38.83 -0.20 0.00	39.45 -0.24 0.00	36.83 -0.30 0.00	35.91 -0.36 0.00	34.23 -0.38 0.00	33.47 -0.44 0.00	32.38 -0.53 0.00	31.90 -0.49 0.00	32.13 -0.42 -0.01	33.91 -0.38 0.00	38.93 -0.43 0.00	40.82 -0.25 0.00	43.54 -0.22 0.00	45.10 -0.05 0.00	39.84 -0.04 0.00	34.06 -0.14 0.00	30.95 -0.19 0.00
COXSACKIE___GT 23611	28.74 1.26 0.00	26.03 1.19 0.00	23.77 1.07 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.27 1.02 0.00	35.09 1.25 0.00	40.47 1.44 0.00	40.88 1.19 0.00	37.87 0.74 0.00	36.82 0.54 0.00	34.95 0.35 0.00	34.18 0.27 0.00	33.30 0.40 0.00	32.80 0.42 0.00	33.06 0.52 0.00	34.91 0.62 0.00	40.39 1.02 0.00	42.17 1.11 0.00	45.07 1.31 0.00	46.41 1.26 0.00	40.99 1.12 0.00	35.15 0.96 0.00	32.20 1.06 0.00
CPV_VALLEY___CC1 323721	28.33 0.85 0.00	25.69 0.85 0.00	23.48 0.77 0.00	21.84 0.66 0.00	24.89 0.70 0.00	28.88 0.62 0.00	34.69 0.85 0.00	40.12 1.09 0.00	40.72 1.03 0.00	38.24 1.11 0.00	37.28 1.01 0.00	35.61 1.00 0.00	34.93 1.02 0.00	33.93 1.02 0.00	33.45 1.07 0.00	33.61 1.07 0.00	35.42 1.13 0.00	40.51 1.14 0.00	42.17 1.11 0.00	44.98 1.22 0.00	46.37 1.22 0.00	40.80 0.92 0.00	35.01 0.82 0.00	31.91 0.78 0.00
CPV_VALLEY___CC2 323722	28.33 0.85 0.00	25.69 0.85 0.00	23.48 0.77 0.00	21.84 0.66 0.00	24.89 0.70 0.00	28.88 0.62 0.00	34.69 0.85 0.00	40.12 1.09 0.00	40.72 1.03 0.00	38.24 1.11 0.00	37.28 1.01 0.00	35.61 1.00 0.00	34.93 1.02 0.00	33.93 1.02 0.00	33.45 1.07 0.00	33.61 1.07 0.00	35.42 1.13 0.00	40.51 1.14 0.00	42.17 1.11 0.00	44.98 1.22 0.00	46.37 1.22 0.00	40.80 0.92 0.00	35.01 0.82 0.00	31.91 0.78 0.00
CRESCENT___HYD 24018	28.30 0.82 0.00	25.63 0.79 0.00	23.45 0.75 0.00	21.86 0.68 0.00	24.92 0.73 0.00	28.88 0.62 0.00	34.62 0.78 0.00	39.85 0.82 0.00	40.32 0.63 0.00	37.61 0.48 0.00	36.85 0.58 0.00	35.13 0.52 0.00	34.38 0.47 0.00	33.46 0.56 0.00	32.90 0.52 0.00	33.03 0.49 0.00	34.70 0.41 0.00	39.99 0.63 0.00	41.72 0.66 0.00	44.45 0.70 0.00	45.78 0.63 0.00	40.44 0.56 0.00	34.64 0.44 0.00	31.66 0.53 0.00
CRICKET___VALLEY_CC1 323756	28.57 1.10 0.00	25.93 1.09 0.00	23.73 1.02 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.08 0.82 0.00	34.92 1.08 0.00	40.43 1.40 0.00	41.04 1.35 0.00	38.61 1.49 0.00	37.61 1.34 0.00	35.92 1.31 0.00	35.27 1.36 0.00	34.26 1.35 0.00	33.77 1.39 0.00	33.94 1.40 0.00	35.77 1.47 0.00	40.90 1.53 0.00	42.54 1.48 0.00	45.37 1.62 0.00	46.77 1.62 0.00	41.07 1.20 0.00	35.29 1.09 0.00	32.16 1.03 0.00
CRICKET___VALLEY_CC2 323757	28.57 1.10 0.00	25.93 1.09 0.00	23.73 1.02 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.08 0.82 0.00	34.92 1.08 0.00	40.43 1.40 0.00	41.04 1.35 0.00	38.61 1.49 0.00	37.61 1.34 0.00	35.92 1.31 0.00	35.27 1.36 0.00	34.26 1.35 0.00	33.77 1.39 0.00	33.94 1.40 0.00	35.77 1.47 0.00	40.90 1.53 0.00	42.54 1.48 0.00	45.37 1.62 0.00	46.77 1.62 0.00	41.07 1.20 0.00	35.29 1.09 0.00	32.16 1.03 0.00
CRICKET___VALLEY_CC3 323758	28.57 1.10 0.00	25.93 1.09 0.00	23.73 1.02 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.08 0.82 0.00	34.92 1.08 0.00	40.43 1.40 0.00	41.04 1.35 0.00	38.61 1.49 0.00	37.61 1.34 0.00	35.92 1.31 0.00	35.27 1.36 0.00	34.26 1.35 0.00	33.77 1.39 0.00	33.94 1.40 0.00	35.77 1.47 0.00	40.90 1.53 0.00	42.54 1.48 0.00	45.37 1.62 0.00	46.77 1.62 0.00	41.07 1.20 0.00	35.29 1.09 0.00	32.16 1.03 0.00
CRUCIBLE_METL_DRP 24180	27.01 -0.47 0.00	24.34 -0.50 0.00	22.27 -0.43 0.00	20.80 -0.38 0.00	23.66 -0.53 0.00	27.46 -0.79 0.00	32.96 -0.88 0.00	38.01 -1.01 0.00	38.69 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.93 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.63 -0.91 0.00	33.30 -0.99 0.00	38.18 -1.18 0.00	40.00 -1.07 0.00	42.66 -1.09 0.00	44.16 -0.99 0.00	39.00 -0.88 0.00	33.37 -0.82 0.00	30.36 -0.78 0.00
DAHOWA___HYDRO 323763	28.65 1.18 0.00	25.88 1.04 0.00	23.70 1.00 0.00	22.08 0.89 0.00	25.13 0.94 0.00	29.24 0.99 0.00	35.13 1.29 0.00	40.55 1.52 0.00	41.08 1.39 0.00	38.28 1.15 0.00	37.47 1.20 0.00	35.68 1.07 0.00	34.86 0.95 0.00	33.93 1.02 0.00	33.35 0.97 0.00	33.42 0.88 0.00	35.18 0.89 0.00	40.46 1.10 0.00	42.34 1.27 0.00	45.07 1.31 0.00	46.64 1.49 0.00	41.12 1.24 0.00	35.25 1.06 0.00	32.13 1.00 0.00
DANC___LFGE 323619	26.81 -0.66 0.00	24.19 -0.65 0.00	22.16 -0.55 0.00	20.74 -0.45 0.00	23.78 -0.41 0.00	27.75 -0.51 0.00	33.30 -0.54 0.00	38.32 -0.70 0.00	38.93 -0.76 0.00	36.28 -0.85 0.00	35.33 -0.94 0.00	33.53 -1.07 0.00	32.82 -1.09 0.00	31.82 -1.09 0.00	31.28 -1.10 0.00	31.56 -0.98 0.00	33.30 -1.00 0.00	38.42 -0.95 0.00	40.33 -0.74 0.00	42.97 -0.79 0.00	44.56 -0.59 0.00	39.36 -0.52 0.00	33.71 -0.48 0.00	30.58 -0.56 0.00
DANSKAMMER___1 23586	28.87 1.40 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.39 1.13 0.00	35.37 1.52 0.00	40.94 1.91 0.00	41.55 1.87 0.00	39.02 1.89 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.55 1.64 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.33 1.97 0.00	43.00 1.93 0.00	45.90 2.14 0.00	47.27 2.12 0.00	41.51 1.64 0.00	35.66 1.47 0.00	32.54 1.40 0.00
DANSKAMMER___2 23589	28.87 1.40 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.39 1.13 0.00	35.37 1.52 0.00	40.94 1.91 0.00	41.55 1.87 0.00	39.02 1.89 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.55 1.64 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.33 1.97 0.00	43.00 1.93 0.00	45.90 2.14 0.00	47.27 2.12 0.00	41.51 1.64 0.00	35.66 1.47 0.00	32.54 1.40 0.00
DANSKAMMER___3 23590	28.87 1.40 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.39 1.13 0.00	35.37 1.52 0.00	40.94 1.91 0.00	41.55 1.87 0.00	39.02 1.89 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.55 1.64 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.33 1.97 0.00	43.00 1.93 0.00	45.90 2.14 0.00	47.27 2.12 0.00	41.51 1.64 0.00	35.66 1.47 0.00	32.54 1.40 0.00



DANSKAMMER___4 23591	28.87 1.40 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.39 1.13 0.00	35.37 1.52 0.00	40.94 1.91 0.00	41.55 1.87 0.00	39.02 1.89 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.55 1.64 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.33 1.97 0.00	43.00 1.93 0.00	45.90 2.14 0.00	47.27 2.12 0.00	41.51 1.64 0.00	35.66 1.47 0.00	32.54 1.40 0.00
DANSKAMMER___DIESEL 23592	28.90 1.43 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.39 1.13 0.00	35.36 1.52 0.00	40.94 1.91 0.00	41.55 1.87 0.00	39.02 1.89 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.55 1.65 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.37 2.01 0.00	43.00 1.93 0.00	45.85 2.10 0.00	47.27 2.12 0.00	41.55 1.67 0.00	35.66 1.47 0.00	32.54 1.40 0.00
DARBY___SOLAR 323810	28.57 1.10 0.00	25.83 0.99 0.00	23.66 0.95 0.00	22.03 0.85 0.00	25.09 0.90 0.00	29.19 0.93 0.00	35.03 1.18 0.00	40.39 1.37 0.00	40.96 1.27 0.00	38.17 1.04 0.00	37.32 1.05 0.00	35.57 0.97 0.00	34.76 0.85 0.00	33.83 0.92 0.00	33.29 0.91 0.00	33.35 0.81 0.00	35.11 0.82 0.00	40.39 1.02 0.00	42.26 1.19 0.00	44.98 1.22 0.00	46.50 1.35 0.00	40.99 1.12 0.00	35.15 0.96 0.00	32.07 0.93 0.00
DASHVILLE___HYD 23610	28.87 1.40 0.00	26.11 1.27 0.00	23.86 1.16 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.33 1.07 0.00	35.26 1.42 0.00	40.82 1.80 0.00	41.43 1.75 0.00	38.91 1.78 0.00	37.87 1.60 0.00	36.13 1.52 0.00	35.44 1.53 0.00	34.45 1.55 0.00	33.97 1.59 0.00	34.13 1.59 0.00	36.01 1.71 0.00	41.25 1.89 0.00	42.91 1.85 0.00	45.77 2.01 0.00	47.18 2.03 0.00	41.43 1.56 0.00	35.59 1.40 0.00	32.47 1.34 0.00
DELAWARE___LFGE 323621	28.16 0.69 0.00	25.49 0.65 0.00	23.36 0.66 0.00	21.78 0.59 0.00	24.84 0.65 0.00	28.76 0.51 0.00	34.52 0.68 0.00	39.81 0.78 0.00	40.48 0.79 0.00	37.91 0.78 0.00	37.00 0.73 0.00	35.23 0.62 0.00	34.52 0.61 0.00	33.50 0.59 0.00	32.96 0.58 0.00	33.16 0.62 0.00	34.94 0.65 0.00	40.11 0.75 0.00	41.85 0.78 0.00	44.54 0.79 0.00	46.01 0.86 0.00	40.60 0.72 0.00	34.77 0.58 0.00	31.67 0.53 0.00
DERFIELD_115KV_TB7 355931	27.50 0.03 0.00	24.89 0.05 0.00	22.77 0.07 0.00	21.23 0.04 0.00	24.24 0.05 0.00	28.23 -0.03 0.00	33.81 -0.03 0.00	38.99 -0.04 0.00	39.65 -0.04 0.00	37.05 -0.07 0.00	36.23 -0.04 0.00	34.54 -0.07 0.00	33.84 -0.07 0.00	32.84 -0.07 0.00	32.32 -0.06 0.00	32.47 -0.07 0.00	34.22 -0.07 0.00	39.28 -0.08 0.00	40.98 -0.08 0.00	43.67 -0.09 0.00	45.06 -0.09 0.00	39.76 -0.12 0.00	34.09 -0.10 0.00	31.07 -0.06 0.00
DOGLEVILLE___HYD 23807	27.36 -0.11 0.00	24.82 -0.02 0.00	22.73 0.02 0.00	21.25 0.06 0.00	24.29 0.10 0.00	28.34 0.08 0.00	33.98 0.14 0.00	39.18 0.16 0.00	39.85 0.16 0.00	37.31 0.19 0.00	36.49 0.22 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.07 0.16 0.00	32.54 0.16 0.00	32.70 0.16 0.00	34.39 0.10 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	39.80 -0.08 0.00	34.12 -0.07 0.00	31.07 -0.06 0.00
DUNKIRK__115KV_TB_200 55889	26.73 -0.74 0.00	23.90 -0.94 0.00	21.78 -0.93 0.00	20.53 -0.66 0.00	23.00 -1.19 0.00	26.59 -1.67 0.00	31.51 -2.34 0.00	35.83 -3.20 0.00	36.59 -3.10 0.00	33.79 -3.34 0.00	32.90 -3.37 0.00	31.60 -3.01 0.00	30.65 -3.26 0.00	29.55 -3.36 0.00	28.88 -3.50 0.00	29.05 -3.48 0.01	30.83 -3.46 0.00	35.51 -3.86 0.00	37.70 -3.37 0.00	40.17 -3.59 0.00	42.08 -3.07 0.00	37.37 -2.51 0.00	31.87 -2.33 0.00	29.08 -2.05 0.00
DUNKIRK___1 23563	26.73 -0.74 0.00	23.90 -0.94 0.00	21.78 -0.93 0.00	20.53 -0.66 0.00	23.00 -1.19 0.00	26.59 -1.67 0.00	31.51 -2.34 0.00	35.83 -3.20 0.00	36.59 -3.10 0.00	33.79 -3.34 0.00	32.90 -3.37 0.00	31.60 -3.01 0.00	30.65 -3.26 0.00	29.55 -3.36 0.00	28.88 -3.50 0.00	29.05 -3.48 0.01	30.83 -3.46 0.00	35.51 -3.86 0.00	37.70 -3.37 0.00	40.17 -3.59 0.00	42.08 -3.07 0.00	37.37 -2.51 0.00	31.87 -2.33 0.00	29.08 -2.05 0.00
DUNKIRK___2 23564	26.73 -0.74 0.00	23.90 -0.94 0.00	21.78 -0.93 0.00	20.53 -0.66 0.00	23.00 -1.19 0.00	26.59 -1.67 0.00	31.51 -2.34 0.00	35.83 -3.20 0.00	36.59 -3.10 0.00	33.79 -3.34 0.00	32.90 -3.37 0.00	31.60 -3.01 0.00	30.65 -3.26 0.00	29.55 -3.36 0.00	28.88 -3.50 0.00	29.05 -3.48 0.01	30.83 -3.46 0.00	35.51 -3.86 0.00	37.70 -3.37 0.00	40.17 -3.59 0.00	42.08 -3.07 0.00	37.37 -2.51 0.00	31.87 -2.33 0.00	29.08 -2.05 0.00
DUNKIRK___3 23565	26.68 -0.80 0.00	23.85 -0.99 0.00	21.75 -0.95 0.00	20.51 -0.68 0.00	23.00 -1.19 0.00	26.56 -1.70 0.00	31.47 -2.37 0.00	35.79 -3.24 0.00	36.55 -3.14 0.00	33.79 -3.34 0.00	32.90 -3.37 0.00	31.60 -3.01 0.00	30.69 -3.22 0.00	29.58 -3.32 0.00	28.92 -3.46 0.00	29.08 -3.45 0.01	30.86 -3.43 0.00	35.55 -3.82 0.00	37.70 -3.37 0.00	40.12 -3.63 0.00	41.99 -3.16 0.00	37.25 -2.63 0.00	31.76 -2.43 0.00	28.99 -2.15 0.00
DUNKIRK___4 23566	26.68 -0.80 0.00	23.85 -0.99 0.00	21.75 -0.95 0.00	20.51 -0.68 0.00	23.00 -1.19 0.00	26.56 -1.70 0.00	31.47 -2.37 0.00	35.79 -3.24 0.00	36.55 -3.14 0.00	33.79 -3.34 0.00	32.90 -3.37 0.00	31.60 -3.01 0.00	30.69 -3.22 0.00	29.58 -3.32 0.00	28.92 -3.46 0.00	29.08 -3.45 0.01	30.86 -3.43 0.00	35.55 -3.82 0.00	37.70 -3.37 0.00	40.12 -3.63 0.00	41.99 -3.16 0.00	37.25 -2.63 0.00	31.76 -2.43 0.00	28.99 -2.15 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	28.96 1.48 0.00	26.18 1.34 0.00	23.93 1.23 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.39 1.13 0.00	35.33 1.49 0.00	40.98 1.95 0.00	41.59 1.90 0.00	39.17 2.04 0.00	38.16 1.89 0.00	36.48 1.87 0.00	35.77 1.87 0.00	34.78 1.88 0.00	34.29 1.91 0.00	34.46 1.92 0.00	36.32 2.02 0.00	41.53 2.16 0.00	43.16 2.09 0.00	45.99 2.23 0.00	47.41 2.26 0.00	41.63 1.75 0.00	35.73 1.54 0.00	32.51 1.37 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	28.74 1.26 0.00	26.01 1.17 0.00	23.77 1.07 0.00	22.10 0.91 0.00	25.18 0.99 0.00	29.22 0.96 0.00	35.13 1.29 0.00	40.66 1.64 0.00	41.27 1.59 0.00	38.80 1.67 0.00	37.76 1.49 0.00	36.06 1.45 0.00	35.37 1.46 0.00	34.35 1.45 0.00	33.90 1.52 0.00	34.07 1.53 0.00	35.90 1.61 0.00	41.13 1.77 0.00	42.75 1.68 0.00	45.59 1.84 0.00	47.04 1.90 0.00	41.31 1.44 0.00	35.46 1.27 0.00	32.32 1.18 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	29.32 1.84 -0.01	26.48 1.64 0.00	24.23 1.52 0.00	22.50 1.31 0.00	25.59 1.40 0.00	29.56 1.30 0.00	35.50 1.66 0.00	41.02 1.99 0.00	41.51 1.83 0.00	39.17 2.04 0.00	38.12 1.85 0.00	36.54 1.94 0.00	35.88 1.97 0.00	34.88 1.97 0.00	34.45 2.07 0.00	34.56 2.02 0.00	36.42 2.13 0.00	41.65 2.28 0.00	43.20 2.14 0.00	45.99 2.23 0.00	47.36 2.21 0.00	41.55 1.67 0.00	35.90 1.71 0.00	32.86 1.71 -0.01



E179THST_13_KV_LOAD 356214	29.40 1.92 -0.01	26.58 1.74 0.00	24.30 1.59 0.00	22.56 1.38 0.00	25.69 1.50 0.00	29.67 1.41 0.00	35.64 1.79 0.00	41.17 2.15 0.00	41.71 2.02 0.00	39.36 2.23 0.00	38.27 1.99 0.00	36.68 2.08 0.00	36.01 2.10 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.56 2.26 0.00	41.84 2.48 0.00	43.41 2.34 0.00	46.20 2.45 0.00	47.59 2.44 0.00	41.71 1.83 0.00	36.04 1.85 0.00	32.98 1.84 -0.01
EAST HAMPTON___GT 23717	32.65 2.83 -2.35	29.53 2.41 -2.28	27.19 2.16 -2.33	25.21 1.67 -2.35	28.10 1.86 -2.05	32.09 1.72 -2.11	38.64 2.37 -2.43	43.58 3.05 -1.51	44.27 3.06 -1.52	42.02 3.12 -1.77	40.44 2.47 -1.71	39.00 2.52 -1.87	38.32 2.47 -1.94	37.22 2.53 -1.78	36.34 2.30 -1.66	36.66 2.44 -1.68	38.53 2.36 -1.88	44.23 3.07 -1.80	47.29 2.59 -3.64	51.39 2.80 -4.83	51.54 3.03 -3.37	43.58 2.59 -1.11	37.78 2.12 -1.46	34.85 2.09 -1.62
EAST RIVER___6 23660	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.98 2.07 0.00	34.52 2.14 0.00	34.72 2.18 0.00	36.59 2.30 0.00	41.81 2.44 0.00	43.45 2.38 0.00	46.29 2.54 0.00	47.68 2.53 0.00	41.75 1.87 0.00	35.87 1.67 0.00	32.66 1.53 0.00
EAST RIVER___7 23524	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.98 2.07 0.00	34.52 2.14 0.00	34.72 2.18 0.00	36.59 2.30 0.00	41.81 2.44 0.00	43.45 2.38 0.00	46.29 2.54 0.00	47.68 2.53 0.00	41.75 1.87 0.00	35.87 1.67 0.00	32.66 1.53 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	28.90 1.43 0.00	26.13 1.29 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.33 1.07 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.51 1.83 0.00	39.06 1.93 0.00	38.05 1.78 0.00	36.37 1.76 0.00	35.71 1.80 0.00	34.68 1.78 0.00	34.19 1.81 0.00	34.36 1.82 0.00	36.21 1.92 0.00	41.45 2.09 0.00	43.08 2.01 0.00	45.85 2.10 0.00	47.32 2.17 0.00	41.55 1.67 0.00	35.66 1.47 0.00	32.47 1.34 0.00
EAST_HAMPTON___DIESEL 23722	32.62 2.80 -2.35	29.48 2.36 -2.28	27.17 2.13 -2.33	25.17 1.63 -2.35	28.05 1.82 -2.05	32.03 1.67 -2.11	38.57 2.30 -2.43	43.50 2.96 -1.51	44.19 2.98 -1.52	41.95 3.05 -1.77	40.37 2.39 -1.71	38.94 2.46 -1.87	38.26 2.41 -1.94	37.16 2.47 -1.78	36.27 2.23 -1.66	36.59 2.37 -1.68	38.47 2.30 -1.88	44.15 2.99 -1.80	47.21 2.51 -3.64	51.30 2.71 -4.83	51.45 2.93 -3.37	43.50 2.51 -1.11	37.71 2.05 -1.46	34.81 2.05 -1.62
EAST_POINT___SOLAR 323840	29.07 1.59 0.00	26.21 1.37 0.00	23.98 1.27 0.00	22.35 1.16 0.00	25.50 1.31 0.00	29.70 1.44 0.00	35.57 1.73 0.00	41.09 2.07 0.00	41.63 1.94 0.00	38.80 1.67 0.00	37.90 1.63 0.00	36.06 1.45 0.00	35.16 1.26 0.00	34.22 1.32 0.00	33.61 1.23 0.00	33.77 1.24 0.00	35.67 1.37 0.00	40.98 1.61 0.00	43.16 2.09 0.00	46.12 2.36 0.00	47.72 2.57 0.00	42.15 2.27 0.00	36.04 1.85 0.00	32.69 1.56 0.00
EAST_PULASKI___ESR 323781	26.65 -0.82 0.00	24.04 -0.80 0.00	22.00 -0.70 0.00	20.57 -0.62 0.00	23.47 -0.73 0.00	27.32 -0.93 0.00	32.83 -1.01 0.00	37.78 -1.25 0.00	38.46 -1.23 0.00	35.87 -1.26 0.00	34.97 -1.30 0.00	33.29 -1.32 0.00	32.59 -1.32 0.00	31.52 -1.38 0.00	31.02 -1.36 0.00	31.30 -1.24 0.00	32.99 -1.30 0.00	37.95 -1.42 0.00	39.79 -1.27 0.00	42.44 -1.31 0.00	43.97 -1.17 0.00	38.80 -1.07 0.00	33.23 -0.96 0.00	30.20 -0.93 0.00
EAST_RIVER___1 323558	29.01 1.54 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.13 2.11 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.68 2.15 0.00	36.55 2.26 0.00	41.77 2.40 0.00	43.41 2.34 0.00	46.29 2.54 0.00	47.68 2.53 0.00	41.75 1.87 0.00	35.87 1.67 0.00	32.66 1.53 0.00
EAST_RIVER___2 323559	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.98 2.07 0.00	34.52 2.14 0.00	34.72 2.18 0.00	36.59 2.30 0.00	41.81 2.44 0.00	43.45 2.38 0.00	46.29 2.54 0.00	47.68 2.53 0.00	41.75 1.87 0.00	35.87 1.67 0.00	32.66 1.53 0.00
EAST___DELAWARE_HYD 23607	29.04 1.57 0.00	26.33 1.49 0.00	24.05 1.34 0.00	22.37 1.19 0.00	25.52 1.33 0.00	29.64 1.38 0.00	35.63 1.79 0.00	41.21 2.18 0.00	41.83 2.14 0.00	39.24 2.12 0.00	38.19 1.92 0.00	36.34 1.73 0.00	35.54 1.63 0.00	34.45 1.55 0.00	33.97 1.59 0.00	34.13 1.59 0.00	36.07 1.78 0.00	41.33 1.97 0.00	43.00 1.93 0.00	45.94 2.19 0.00	47.41 2.26 0.00	41.63 1.75 0.00	35.73 1.54 0.00	32.57 1.43 0.00
EIGHT_POINT___WT_PWR 323820	27.20 -0.27 0.00	24.39 -0.45 0.00	22.25 -0.45 0.00	20.89 -0.30 0.00	23.49 -0.70 0.00	27.18 -1.07 0.00	32.22 -1.62 0.00	36.72 -2.30 0.00	37.31 -2.38 0.00	34.49 -2.64 0.00	33.40 -2.87 0.00	31.87 -2.73 0.00	30.93 -2.98 0.00	29.75 -3.16 0.00	29.17 -3.21 0.00	29.36 -3.16 0.02	31.17 -3.12 0.00	36.10 -3.27 0.00	38.15 -2.91 0.00	40.95 -2.80 0.00	42.67 -2.48 0.00	37.80 -2.08 0.00	32.24 -1.95 0.00	29.30 -1.84 0.00
ELBRIDGE_115KV_TB2 80188	26.79 -0.69 0.00	24.14 -0.70 0.00	22.09 -0.61 0.00	20.64 -0.55 0.00	23.46 -0.73 0.00	27.24 -1.02 0.00	32.66 -1.18 0.00	37.62 -1.40 0.00	38.34 -1.35 0.00	35.79 -1.34 0.00	34.93 -1.34 0.00	33.36 -1.25 0.00	32.62 -1.29 0.00	31.52 -1.38 0.00	31.05 -1.33 0.00	31.30 -1.24 0.00	32.95 -1.34 0.00	37.83 -1.54 0.00	39.63 -1.44 0.00	42.27 -1.49 0.00	43.75 -1.40 0.00	38.64 -1.24 0.00	33.06 -1.13 0.00	30.05 -1.09 0.00
ELEC_TRO_TEK 24086	42.77 1.84 -13.45	38.72 1.71 -12.16	36.71 1.61 -12.39	35.19 1.42 -12.58	36.69 1.55 -10.95	41.13 1.58 -11.29	54.01 1.96 -18.20	52.36 2.34 -10.99	53.28 2.30 -11.29	52.36 2.34 -12.89	52.32 2.18 -13.87	51.53 2.15 -14.77	51.18 2.14 -15.14	47.84 2.14 -12.80	45.65 2.17 -11.10	46.13 2.15 -11.45	46.55 2.26 -10.00	51.50 2.56 -9.57	63.07 2.51 -19.50	72.30 2.67 -25.87	65.94 2.75 -18.04	50.64 2.19 -8.57	45.83 1.88 -9.76	42.84 1.77 -9.93
ELLENBURG_WT_PWR 323604	27.20 -0.27 0.00	24.57 -0.27 0.00	22.48 -0.23 0.00	21.06 -0.13 0.00	24.09 -0.10 0.00	28.48 0.22 0.00	33.98 0.14 0.00	39.30 0.28 0.00	40.04 0.36 0.00	37.50 0.37 0.00	36.67 0.40 0.00	34.95 0.35 0.00	34.38 0.47 0.00	33.33 0.43 0.00	32.77 0.39 0.00	32.86 0.33 0.00	34.77 0.48 0.00	39.91 0.55 0.00	41.64 0.57 0.00	44.28 0.53 0.00	45.78 0.63 0.00	40.56 0.68 0.00	34.81 0.62 0.00	31.54 0.40 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	26.37 -1.10 0.00	23.60 -1.24 0.00	21.53 -1.18 0.00	20.30 -0.89 0.00	22.79 -1.40 0.00	26.31 -1.95 0.00	31.07 -2.78 0.00	35.28 -3.75 0.00	36.19 -3.49 0.00	33.45 -3.68 0.00	32.57 -3.70 0.00	31.28 -3.32 0.00	30.38 -3.53 0.00	29.29 -3.62 0.00	28.66 -3.72 0.00	28.85 -3.68 0.01	30.59 -3.70 0.00	35.23 -4.13 0.00	37.33 -3.74 0.00	39.64 -4.11 0.00	41.40 -3.75 0.00	36.65 -3.23 0.00	31.32 -2.87 0.00	28.61 -2.52 0.00
EMPIRE_CC_1 323656	28.02 0.55 0.00	25.46 0.62 0.00	23.30 0.59 0.00	21.72 0.53 0.00	24.75 0.56 0.00	28.51 0.25 0.00	34.18 0.34 0.00	39.22 0.20 0.00	39.69 0.00 0.00	37.05 -0.07 0.00	36.31 0.04 0.00	34.61 0.00 0.00	33.94 0.03 0.00	33.00 0.10 0.00	32.48 0.10 0.00	32.60 0.07 0.00	34.22 -0.07 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.80 0.04 0.00	45.06 -0.09 0.00	39.80 -0.08 0.00	34.12 -0.07 0.00	31.29 0.16 0.00
EMPIRE_CC_2 323658	28.02 0.55 0.00	25.46 0.62 0.00	23.30 0.59 0.00	21.72 0.53 0.00	24.75 0.56 0.00	28.51 0.25 0.00	34.18 0.34 0.00	39.22 0.20 0.00	39.69 0.00 0.00	37.05 -0.07 0.00	36.31 0.04 0.00	34.61 0.00 0.00	33.94 0.03 0.00	33.00 0.10 0.00	32.48 0.10 0.00	32.60 0.07 0.00	34.22 -0.07 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.80 0.04 0.00	45.06 -0.09 0.00	39.80 -0.08 0.00	34.12 -0.07 0.00	31.29 0.16 0.00
ENORWICH_115KV_TB1 80156	29.04 1.57 0.00	26.16 1.32 0.00	23.98 1.27 0.00	22.46 1.27 0.00	25.71 1.52 0.00	29.89 1.64 0.00	36.01 2.17 0.00	41.29 2.26 0.00	42.03 2.34 0.00	39.13 2.00 0.00	38.08 1.81 0.00	36.03 1.42 0.00	35.23 1.32 0.00	34.09 1.18 0.00	33.58 1.20 0.00	33.95 1.40 -0.01	35.94 1.65 0.00	41.21 1.85 0.00	43.37 2.30 0.00	46.07 2.32 0.00	47.86 2.71 0.00	42.15 2.27 0.00	36.00 1.81 0.00	32.60 1.46 0.00
ERIE_ST__34_KV_TB1-2 80199	26.70 -0.77 0.00	23.87 -0.97 0.00	21.78 -0.93 0.00	20.53 -0.66 0.00	23.05 -1.14 0.00	26.65 -1.61 0.00	31.57 -2.27 0.00	35.98 -3.04 0.00	36.83 -2.86 0.00	34.05 -3.08 0.00	33.15 -3.12 0.00	31.80 -2.80 0.00	30.89 -3.02 0.00	29.78 -3.13 0.00	29.14 -3.24 0.00	29.31 -3.22 0.01	31.10 -3.19 0.00	35.78 -3.58 0.00	37.94 -3.12 0.00	40.34 -3.41 0.00	42.12 -3.02 0.00	37.33 -2.55 0.00	31.83 -2.36 0.00	28.96 -2.18 0.00
ERIE_WT_PWR 323693	26.51 -0.96 0.00	23.75 -1.09 0.00	21.66 -1.04 0.00	20.47 -0.72 0.00	22.93 -1.26 0.00	26.50 -1.75 0.00	31.27 -2.57 0.00	35.55 -3.47 0.00	36.47 -3.21 0.00	33.68 -3.45 0.00	32.79 -3.48 0.00	31.46 -3.15 0.00	30.55 -3.36 0.00	29.45 -3.45 0.00	28.82 -3.56 0.00	29.01 -3.51 0.01	30.76 -3.53 0.00	35.62 -3.74 0.00	37.53 -3.53 0.00	39.99 -3.76 0.00	41.67 -3.48 0.00	36.93 -2.95 0.00	31.49 -2.70 0.00	28.77 0.00 0.00
ESPRGFLD_115KV_TB1 80157	28.63 1.15 0.00	25.81 0.97 0.00	23.64 0.93 0.00	22.05 0.87 0.00	25.18 0.99 0.00	29.24 0.99 0.00	35.09 1.25 0.00	40.51 1.48 0.00	41.20 1.51 0.00	38.50 1.37 0.00	37.58 1.31 0.00	35.71 1.11 0.00	34.96 1.05 0.00	33.93 1.02 0.00	33.35 0.97 0.00	33.55 1.01 0.00	35.42 1.13 0.00	40.66 1.30 0.00	42.63 1.56 0.00	45.33 1.58 0.00	46.91 1.76 0.00	41.43 1.56 0.00	35.46 1.27 0.00	32.19 1.06 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	27.75 0.27 0.00	24.99 0.15 0.00	22.89 0.18 0.00	21.38 0.19 0.00	24.31 0.12 0.00	28.23 -0.03 0.00	33.88 0.03 0.00	39.03 0.00 0.00	39.65 -0.04 0.00	36.94 -0.19 0.00	35.98 -0.29 0.00	34.30 -0.31 0.00	33.54 -0.37 0.00	32.41 -0.49 0.00	31.93 -0.45 0.00	32.21 -0.36 -0.03	34.02 -0.27 0.00	39.09 -0.28 0.00	41.02 -0.04 0.00	43.80 0.04 0.00	45.37 0.23 0.00	40.08 0.20 0.00	34.26 0.07 0.00	31.10 -0.03 0.00
ETNA____115KV_TB2 80207	27.75 0.27 0.00	24.99 0.15 0.00	22.89 0.18 0.00	21.38 0.19 0.00	24.31 0.12 0.00	28.23 -0.03 0.00	33.88 0.03 0.00	39.03 0.00 0.00	39.65 -0.04 0.00	36.94 -0.19 0.00	35.98 -0.29 0.00	34.30 -0.31 0.00	33.54 -0.37 0.00	32.41 -0.49 0.00	31.93 -0.45 0.00	32.21 -0.36 -0.03	34.02 -0.27 0.00	39.09 -0.28 0.00	41.02 -0.04 0.00	43.80 0.04 0.00	45.37 0.23 0.00	40.08 0.20 0.00	34.26 0.07 0.00	31.10 -0.03 0.00
EUCLID____115KV_TB2 356179	26.92 -0.55 0.00	24.29 -0.55 0.00	22.21 -0.50 0.00	20.74 -0.44 0.00	23.59 -0.60 0.00	27.41 -0.85 0.00	32.86 -0.98 0.00	37.86 -1.17 0.00	38.58 -1.11 0.00	36.01 -1.11 0.00	35.15 -1.12 0.00	33.57 -1.04 0.00	32.82 -1.09 0.00	31.75 -1.15 0.00	31.25 -1.13 0.00	31.50 -1.04 0.00	33.19 -1.10 0.00	38.06 -1.30 0.00	39.79 -1.27 0.00	42.44 -1.31 0.00	43.93 -1.22 0.00	38.80 -1.08 0.00	33.20 -0.99 0.00	30.23 -0.90 0.00
E_CANADA_CAP_HY 24051	28.82 1.35 0.00	26.01 1.17 0.00	23.80 1.09 0.00	22.18 1.00 0.00	25.30 1.11 0.00	29.39 1.13 0.00	35.20 1.36 0.00	40.66 1.64 0.00	41.23 1.55 0.00	38.43 1.30 0.00	37.57 1.30 0.00	35.78 1.18 0.00	34.93 1.02 0.00	33.96 1.05 0.00	33.39 1.00 0.00	33.48 0.94 0.00	35.36 1.06 0.00	40.66 1.30 0.00	42.71 1.64 0.00	45.55 1.79 0.00	47.04 1.90 0.00	41.71 1.84 0.00	35.66 1.47 0.00	32.38 1.25 0.00
E_CANADA_MHWK_HY 24050	27.36 -0.11 0.00	24.82 -0.02 0.00	22.73 0.02 0.00	21.25 0.06 0.00	24.29 0.10 0.00	28.34 0.09 0.00	33.98 0.14 0.00	39.18 0.16 0.00	39.85 0.16 0.00	37.31 0.19 0.00	36.49 0.22 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.07 0.17 0.00	32.54 0.16 0.00	32.70 0.16 0.00	34.40 0.10 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	39.80 -0.08 0.00	34.12 -0.07 0.00	31.07 -0.06 0.00
E_FISHKILL___LBMP 23776	28.71 1.24 0.00	25.98 1.14 0.00	23.77 1.07 0.00	22.10 0.91 0.00	25.18 0.99 0.00	29.19 0.93 0.00	35.06 1.22 0.00	40.59 1.56 0.00	41.20 1.51 0.00	38.76 1.63 0.00	37.76 1.49 0.00	36.09 1.49 0.00	35.40 1.49 0.00	34.39 1.48 0.00	33.90 1.52 0.00	34.07 1.53 0.00	35.90 1.61 0.00	41.10 1.73 0.00	42.75 1.68 0.00	45.50 1.75 0.00	46.95 1.81 0.00	41.23 1.36 0.00	35.42 1.23 0.00	32.26 1.12 0.00
FALCON___SEABRD_CC1 323796	27.53 0.06 0.00	24.89 0.05 0.00	22.77 0.07 0.00	21.34 0.15 0.00	24.41 0.22 0.00	28.85 0.59 0.00	34.38 0.54 0.00	39.81 0.78 0.00	40.56 0.87 0.00	37.94 0.82 0.00	37.11 0.83 0.00	35.37 0.76 0.00	34.79 0.88 0.00	33.76 0.85 0.00	33.16 0.78 0.00	33.25 0.71 0.00	35.22 0.93 0.00	40.43 1.06 0.00	42.13 1.07 0.00	44.89 1.14 0.00	46.41 1.26 0.00	41.07 1.20 0.00	35.25 1.06 0.00	31.91 0.78 0.00
FALCON___SEABRD_CC2 323797	27.53 0.06 0.00	24.89 0.05 0.00	22.77 0.07 0.00	21.34 0.15 0.00	24.41 0.22 0.00	28.85 0.59 0.00	34.38 0.54 0.00	39.81 0.78 0.00	40.56 0.87 0.00	37.94 0.82 0.00	37.11 0.83 0.00	35.37 0.76 0.00	34.79 0.88 0.00	33.76 0.85 0.00	33.16 0.78 0.00	33.25 0.71 0.00	35.22 0.93 0.00	40.43 1.06 0.00	42.13 1.07 0.00	44.89 1.14 0.00	46.41 1.26 0.00	41.07 1.20 0.00	35.25 1.06 0.00	31.91 0.78 0.00



FAR ROCKAWAY___4 23548	97.65 2.14 -68.03	87.74 2.01 -60.89	86.58 1.86 -62.01	85.96 1.65 -63.12	80.97 1.81 -54.97	86.79 1.89 -56.64	131.07 2.30 -94.92	98.96 2.77 -57.16	101.22 2.74 -58.80	106.90 2.75 -67.03	111.72 2.58 -72.88	114.56 2.53 -77.43	115.66 2.51 -79.24	101.83 2.47 -66.45	92.08 2.53 -57.17	94.13 2.51 -59.09	86.96 2.64 -50.02	90.49 3.03 -48.09	142.29 3.04 -98.19	177.23 3.24 -130.23	139.32 3.34 -90.83	87.48 2.71 -44.89	86.76 2.29 -50.27	83.94 2.12 -50.69
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	29.09 1.62 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.45 1.62 0.02	41.12 2.11 0.01	41.74 2.06 0.01	39.34 2.23 0.01	38.29 2.03 0.02	36.63 2.04 0.02	35.96 2.07 0.02	34.97 2.07 0.01	34.48 2.10 0.01	34.68 2.15 0.01	36.56 2.26 0.00	41.84 2.48 0.00	43.45 2.38 0.00	46.25 2.49 0.00	47.63 2.48 0.00	41.78 1.91 0.01	35.89 1.71 0.01	32.69 1.56 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	29.09 1.62 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.13 2.11 0.00	41.79 2.10 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.98 2.07 0.00	34.49 2.10 0.00	34.69 2.15 0.00	36.56 2.26 0.00	41.84 2.48 0.00	43.45 2.38 0.00	46.25 2.49 0.00	47.68 2.53 0.00	41.79 1.91 0.00	35.90 1.71 0.00	32.69 1.56 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	29.07 1.59 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.42 1.23 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.13 2.11 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.69 2.15 0.00	36.56 2.26 0.00	41.80 2.44 0.00	43.41 2.34 0.00	46.20 2.45 0.00	47.63 2.48 0.00	41.75 1.87 0.00	35.86 1.68 0.01	32.66 1.53 0.00
FARRAGUT___LBMP 323566	29.07 1.59 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.27 1.99 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.91 2.01 0.00	34.45 2.07 0.00	34.65 2.11 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.41 2.34 0.00	46.20 2.45 0.00	47.59 2.44 0.00	41.75 1.87 0.00	35.87 1.68 0.00	32.66 1.53 0.00
FENNER___WINDPWR 24204	27.75 0.27 0.00	25.06 0.22 0.00	22.93 0.23 0.00	21.42 0.23 0.00	24.46 0.27 0.00	28.45 0.20 0.00	34.15 0.30 0.00	39.34 0.31 0.00	40.00 0.32 0.00	37.35 0.22 0.00	36.45 0.18 0.00	34.68 0.07 0.00	33.94 0.03 0.00	32.91 0.00 0.00	32.38 0.00 0.00	32.61 0.07 -0.01	34.43 0.14 0.00	39.56 0.20 0.00	41.36 0.29 0.00	44.10 0.35 0.00	45.60 0.45 0.00	40.24 0.36 0.00	34.46 0.27 0.00	31.32 0.19 0.00
FIBERTEK___ENERGY 23856	27.01 -0.47 0.00	24.34 -0.50 0.00	22.27 -0.43 0.00	20.80 -0.38 0.00	23.66 -0.53 0.00	27.46 -0.79 0.00	32.96 -0.88 0.00	38.01 -1.01 0.00	38.69 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.93 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.63 -0.91 0.00	33.30 -0.99 0.00	38.18 -1.18 0.00	40.00 -1.07 0.00	42.66 -1.09 0.00	44.16 -0.99 0.00	39.00 -0.88 0.00	33.37 -0.82 0.00	30.36 -0.78 0.00
FITZPATRICK___ 23598	26.40 -1.07 0.00	23.82 -1.02 0.00	21.80 -0.91 0.00	20.36 -0.83 0.00	23.15 -1.04 0.00	26.93 -1.33 0.00	32.25 -1.59 0.00	37.11 -1.91 0.00	37.82 -1.86 0.00	35.35 -1.78 0.00	34.49 -1.78 0.00	32.95 -1.66 0.00	32.21 -1.69 0.00	31.19 -1.71 0.00	30.70 -1.69 0.00	30.94 -1.59 0.00	32.58 -1.71 0.00	37.40 -1.97 0.00	39.10 -1.97 0.00	41.70 -2.06 0.00	43.12 -2.03 0.00	38.08 -1.79 0.00	32.59 -1.61 0.00	29.67 -1.46 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	28.96 1.48 0.00	26.21 1.37 0.00	23.93 1.23 0.00	22.25 1.06 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	40.98 1.95 0.00	41.63 1.94 0.00	39.10 1.97 0.00	38.05 1.78 0.00	36.30 1.70 0.00	35.60 1.70 0.00	34.62 1.71 0.00	34.13 1.75 0.00	34.29 1.76 0.00	36.18 1.89 0.00	41.41 2.05 0.00	43.08 2.01 0.00	45.90 2.14 0.00	47.36 2.21 0.00	41.59 1.71 0.00	35.73 1.54 0.00	32.57 1.43 0.00
FORT ORANGE___ 23900	28.08 0.60 0.00	25.44 0.60 0.00	23.30 0.59 0.00	21.72 0.53 0.00	24.72 0.53 0.00	28.51 0.25 0.00	34.11 0.27 0.00	39.30 0.28 0.00	39.81 0.12 0.00	37.17 0.04 0.00	36.31 0.04 0.00	34.64 0.03 0.00	33.91 0.00 0.00	33.00 0.10 0.00	32.51 0.13 0.00	32.67 0.13 0.00	34.36 0.07 0.00	39.56 0.20 0.00	41.23 0.16 0.00	43.93 0.18 0.00	45.19 0.05 0.00	39.96 0.08 0.00	34.26 0.07 0.00	31.36 0.22 0.00
FORT_DRUM_COGEN 23780	27.09 -0.38 0.00	24.42 -0.42 0.00	22.39 -0.32 0.00	20.97 -0.21 0.00	24.19 0.00 0.00	28.34 0.08 0.00	33.98 0.14 0.00	39.03 0.00 0.00	39.65 -0.04 0.00	36.83 -0.30 0.00	35.87 -0.40 0.00	33.95 -0.66 0.00	33.27 -0.64 0.00	32.25 -0.66 0.00	31.67 -0.71 0.00	31.95 -0.59 0.00	33.78 -0.51 0.00	39.01 -0.35 0.00	41.07 0.00 0.00	43.75 0.00 0.00	45.42 0.27 0.00	40.12 0.24 0.00	34.36 0.17 0.00	31.07 -0.06 0.00
FOX_HILLS___ESR 323835	29.35 1.87 -0.01	26.50 1.66 0.00	24.23 1.52 0.00	22.48 1.29 0.00	25.59 1.40 0.00	29.61 1.36 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.71 2.02 0.00	39.36 2.23 0.00	38.27 1.99 0.00	36.65 2.04 0.00	36.01 2.10 0.00	35.01 2.11 0.00	34.55 2.17 0.00	34.75 2.21 0.00	36.62 2.33 0.00	41.96 2.60 0.00	43.47 2.38 -0.02	46.31 2.54 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.11 1.91 0.00	32.98 1.84 -0.01
FPL_FAR_ROCK_GT1 24212	97.59 2.09 -68.03	87.72 1.99 -60.89	86.58 1.86 -62.01	85.96 1.65 -63.12	80.97 1.82 -54.97	86.79 1.89 -56.64	131.07 2.30 -94.92	98.96 2.77 -57.16	101.22 2.74 -58.80	106.90 2.75 -67.03	111.73 2.58 -72.88	114.56 2.52 -77.43	115.66 2.51 -79.24	101.83 2.47 -66.45	92.08 2.53 -57.17	94.13 2.51 -59.09	86.96 2.64 -50.02	90.45 2.99 -48.09	142.29 3.04 -98.19	177.27 3.28 -130.23	139.32 3.34 -90.83	87.48 2.71 -44.89	86.76 2.29 -50.27	83.94 2.12 -50.69
FPL_FAR_ROCK_GT2 23815	97.59 2.09 -68.03	87.72 1.99 -60.89	86.58 1.86 -62.01	85.96 1.65 -63.12	80.97 1.82 -54.97	86.79 1.89 -56.64	131.07 2.30 -94.92	98.96 2.77 -57.16	101.22 2.74 -58.80	106.90 2.75 -67.03	111.73 2.58 -72.88	114.56 2.52 -77.43	115.66 2.51 -79.24	101.83 2.47 -66.45	92.08 2.53 -57.17	94.13 2.51 -59.09	86.96 2.64 -50.02	90.45 2.99 -48.09	142.29 3.04 -98.19	177.27 3.28 -130.23	139.32 3.34 -90.83	87.48 2.71 -44.89	86.76 2.29 -50.27	83.94 2.12 -50.69
FRANKLIN_FALL_HYD 24054	27.42 -0.05 0.00	24.77 -0.07 0.00	22.66 -0.05 0.00	21.23 0.04 0.00	24.31 0.12 0.00	28.76 0.51 0.00	34.25 0.41 0.00	39.69 0.66 0.00	40.40 0.71 0.00	37.80 0.67 0.00	36.92 0.65 0.00	35.16 0.55 0.00	34.59 0.68 0.00	33.56 0.66 0.00	32.90 0.52 0.00	32.96 0.42 0.00	34.98 0.69 0.00	40.15 0.79 0.00	41.89 0.82 0.00	44.72 0.96 0.00	46.10 0.95 0.00	40.92 1.04 0.00	35.08 0.89 0.00	31.73 0.59 0.00



FREEPORT_EQUS_GT1 23764	47.28 2.00 -17.80	42.78 1.91 -16.03	40.80 1.77 -16.32	39.35 1.57 -16.60	40.39 1.74 -14.45	44.93 1.78 -14.89	60.46 2.20 -24.42	56.41 2.66 -14.73	57.44 2.62 -15.14	57.04 2.64 -17.27	57.37 2.43 -18.67	56.86 2.39 -19.86	56.62 2.37 -20.34	52.41 2.37 -17.14	49.55 2.36 -14.81	50.20 2.37 -15.29	49.98 2.54 -13.15	54.72 2.80 -12.56	69.52 2.83 -25.62	80.80 3.06 -33.99	71.96 3.11 -23.70	53.91 2.51 -11.52	49.37 2.16 -13.02	46.35 2.02 -13.20
FREEPORT___CT2 23818	47.28 2.00 -17.80	42.78 1.91 -16.03	40.80 1.77 -16.32	39.35 1.57 -16.60	40.39 1.74 -14.45	44.93 1.78 -14.89	60.46 2.20 -24.42	56.41 2.66 -14.73	57.44 2.62 -15.14	57.04 2.64 -17.27	57.37 2.43 -18.67	56.86 2.39 -19.86	56.62 2.37 -20.34	52.41 2.37 -17.14	49.55 2.36 -14.81	50.20 2.37 -15.29	49.98 2.54 -13.15	54.72 2.80 -12.56	69.52 2.83 -25.62	80.80 3.06 -33.99	71.96 3.11 -23.70	53.91 2.51 -11.52	49.37 2.16 -13.02	46.35 2.02 -13.20
FRESHKLS_33_KV_LOAD 356253	29.43 1.95 -0.01	26.58 1.74 0.00	24.30 1.59 0.00	22.54 1.36 0.00	25.67 1.48 0.00	29.67 1.41 0.00	35.60 1.76 0.00	41.17 2.15 0.00	41.71 2.02 0.00	39.36 2.23 0.00	38.27 1.99 0.00	36.65 2.04 0.00	35.98 2.07 0.00	35.01 2.11 0.00	34.55 2.17 0.00	34.75 2.21 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.47 2.38 -0.02	46.31 2.54 -0.02	47.83 2.66 -0.02	41.95 2.07 0.00	36.18 1.98 0.00	33.07 1.93 -0.01
FULTON COGEN____ 23766	26.59 -0.88 0.00	23.97 -0.87 0.00	21.93 -0.77 0.00	20.49 -0.70 0.00	23.30 -0.90 0.00	27.07 -1.19 0.00	32.45 -1.39 0.00	37.43 -1.60 0.00	38.10 -1.59 0.00	35.61 -1.52 0.00	34.75 -1.52 0.00	33.15 -1.45 0.00	32.42 -1.49 0.00	31.36 -1.55 0.00	30.89 -1.49 0.00	31.14 -1.40 0.00	32.78 -1.51 0.00	37.63 -1.73 0.00	39.38 -1.68 0.00	42.05 -1.71 0.00	43.48 -1.67 0.00	38.40 -1.48 0.00	32.86 -1.33 0.00	29.89 -1.25 0.00
FULTON___LFGE 323630	28.87 1.40 0.00	26.03 1.19 0.00	23.82 1.11 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.47 1.21 0.00	35.33 1.49 0.00	40.86 1.83 0.00	41.43 1.74 0.00	38.57 1.45 0.00	37.68 1.41 0.00	35.89 1.28 0.00	35.03 1.12 0.00	34.06 1.15 0.00	33.51 1.13 0.00	33.68 1.14 0.00	35.56 1.27 0.00	40.86 1.50 0.00	42.96 1.89 0.00	45.77 2.01 0.00	47.27 2.12 0.00	41.75 1.87 0.00	35.73 1.54 0.00	32.47 1.34 0.00
G.F.CEMENT___DRP 24184	28.79 1.32 0.00	26.01 1.17 0.00	23.80 1.09 0.00	22.16 0.97 0.00	25.23 1.04 0.00	29.41 1.16 0.00	35.33 1.49 0.00	40.86 1.83 0.00	41.43 1.75 0.00	38.61 1.49 0.00	37.79 1.52 0.00	35.99 1.38 0.00	35.13 1.22 0.00	34.19 1.28 0.00	33.61 1.23 0.00	33.61 1.07 0.00	35.39 1.10 0.00	40.66 1.30 0.00	42.59 1.52 0.00	45.29 1.53 0.00	47.00 1.85 0.00	41.39 1.52 0.00	35.53 1.33 0.00	32.35 1.21 0.00
GARDENVILLE___LBMP 24039	26.48 -0.99 0.00	23.67 -1.17 0.00	21.59 -1.11 0.00	20.36 -0.83 0.00	22.86 -1.33 0.00	26.39 -1.86 0.00	31.20 -2.64 0.00	35.44 -3.59 0.00	36.31 -3.37 0.00	33.56 -3.56 0.00	32.68 -3.59 0.00	31.35 -3.25 0.00	30.48 -3.42 0.00	29.38 -3.52 0.00	28.72 -3.66 0.00	28.92 -3.61 0.01	30.66 -3.63 0.00	35.31 -4.05 0.00	37.41 -3.65 0.00	39.77 -3.98 0.00	41.58 -3.57 0.00	36.81 -3.07 0.00	31.42 -2.77 0.00	28.71 -2.43 0.00
GARDNVLA_35_KV_LD 355827	26.59 -0.88 0.00	23.77 -1.07 0.00	21.68 -1.02 0.00	20.47 -0.72 0.00	22.96 -1.23 0.00	26.50 -1.75 0.00	31.34 -2.50 0.00	35.59 -3.43 0.00	36.51 -3.17 0.00	33.71 -3.42 0.00	32.82 -3.45 0.00	31.53 -3.08 0.00	30.62 -3.29 0.00	29.52 -3.39 0.00	28.88 -3.50 0.00	29.08 -3.45 0.01	30.83 -3.46 0.00	35.47 -3.90 0.00	37.62 -3.45 0.00	39.95 -3.81 0.00	41.76 -3.39 0.00	36.97 -2.91 0.00	31.56 -2.63 0.00	28.83 -2.30 0.00
GELCKHM___115KV_LOAD 80723	26.95 -0.52 0.00	24.29 -0.55 0.00	22.23 -0.48 0.00	20.76 -0.42 0.00	23.61 -0.58 0.00	27.44 -0.82 0.00	32.89 -0.95 0.00	37.89 -1.13 0.00	38.62 -1.07 0.00	36.09 -1.04 0.00	35.22 -1.05 0.00	33.60 -1.00 0.00	32.86 -1.05 0.00	31.79 -1.12 0.00	31.28 -1.10 0.00	31.56 -0.98 0.00	33.23 -1.06 0.00	38.10 -1.26 0.00	39.87 -1.19 0.00	42.53 -1.23 0.00	44.02 -1.13 0.00	38.88 -1.00 0.00	33.27 -0.92 0.00	30.26 -0.87 0.00
GENERAL___MILLS 23808	26.54 -0.93 0.00	23.72 -1.12 0.00	21.66 -1.04 0.00	20.42 -0.76 0.00	22.91 -1.28 0.00	26.48 -1.78 0.00	31.27 -2.57 0.00	35.55 -3.47 0.00	36.43 -3.25 0.00	33.68 -3.45 0.00	32.75 -3.52 0.00	31.46 -3.15 0.00	30.55 -3.36 0.00	29.45 -3.46 0.00	28.82 -3.56 0.00	29.01 -3.51 0.01	30.76 -3.53 0.00	35.43 -3.94 0.00	37.53 -3.53 0.00	39.90 -3.85 0.00	41.67 -3.48 0.00	36.89 -2.99 0.00	31.52 -2.67 0.00	28.77 -2.37 0.00
GE_PLASTICS___DRP 24183	27.89 0.41 0.00	25.36 0.52 0.00	23.23 0.52 0.00	21.65 0.47 0.00	24.65 0.46 0.00	28.48 0.23 0.00	34.08 0.24 0.00	39.26 0.23 0.00	39.81 0.12 0.00	37.24 0.11 0.00	36.42 0.15 0.00	34.71 0.10 0.00	34.01 0.10 0.00	33.07 0.16 0.00	32.58 0.19 0.00	32.73 0.20 0.00	34.43 0.14 0.00	39.56 0.20 0.00	41.23 0.16 0.00	43.89 0.13 0.00	45.19 0.05 0.00	39.96 0.08 0.00	34.26 0.07 0.00	31.32 0.19 0.00
GILBOA___1 23756	27.99 0.52 0.00	25.44 0.60 0.00	23.37 0.66 0.00	21.78 0.59 0.00	24.82 0.63 0.00	28.57 0.31 0.00	34.25 0.41 0.00	39.50 0.47 0.00	40.08 0.40 0.00	37.54 0.41 0.00	36.67 0.40 0.00	34.99 0.38 0.00	34.28 0.37 0.00	33.30 0.40 0.00	32.80 0.42 0.00	32.96 0.42 0.00	34.70 0.41 0.00	39.80 0.43 0.00	41.52 0.45 0.00	44.24 0.48 0.00	45.51 0.36 0.00	40.20 0.32 0.00	34.50 0.31 0.00	31.51 0.37 0.00
GILBOA___2 23757	27.99 0.52 0.00	25.44 0.60 0.00	23.37 0.66 0.00	21.78 0.59 0.00	24.82 0.63 0.00	28.57 0.31 0.00	34.25 0.41 0.00	39.50 0.47 0.00	40.08 0.40 0.00	37.54 0.41 0.00	36.67 0.40 0.00	34.99 0.38 0.00	34.28 0.37 0.00	33.30 0.40 0.00	32.80 0.42 0.00	32.96 0.42 0.00	34.70 0.41 0.00	39.80 0.43 0.00	41.52 0.45 0.00	44.24 0.48 0.00	45.51 0.36 0.00	40.20 0.32 0.00	34.50 0.31 0.00	31.51 0.37 0.00
GILBOA___3 23758	27.99 0.52 0.00	25.44 0.60 0.00	23.37 0.66 0.00	21.78 0.59 0.00	24.82 0.63 0.00	28.57 0.31 0.00	34.25 0.41 0.00	39.50 0.47 0.00	40.08 0.40 0.00	37.54 0.41 0.00	36.67 0.40 0.00	34.99 0.38 0.00	34.28 0.37 0.00	33.30 0.40 0.00	32.80 0.42 0.00	32.96 0.42 0.00	34.70 0.41 0.00	39.80 0.43 0.00	41.52 0.45 0.00	44.24 0.48 0.00	45.51 0.36 0.00	40.20 0.32 0.00	34.50 0.31 0.00	31.51 0.37 0.00
GILBOA___4 23759	27.99 0.52 0.00	25.44 0.60 0.00	23.37 0.66 0.00	21.78 0.59 0.00	24.82 0.63 0.00	28.57 0.31 0.00	34.25 0.41 0.00	39.50 0.47 0.00	40.08 0.40 0.00	37.54 0.41 0.00	36.67 0.40 0.00	34.99 0.38 0.00	34.28 0.37 0.00	33.30 0.40 0.00	32.80 0.42 0.00	32.96 0.42 0.00	34.70 0.41 0.00	39.80 0.43 0.00	41.52 0.45 0.00	44.24 0.48 0.00	45.51 0.36 0.00	40.20 0.32 0.00	34.50 0.31 0.00	31.51 0.37 0.00



GILBOA____ 23599	28.00 0.52 0.00	25.44 0.60 0.00	23.36 0.66 0.00	21.78 0.59 0.00	24.82 0.63 0.00	28.57 0.31 0.00	34.25 0.41 0.00	39.49 0.47 0.00	40.08 0.40 0.00	37.54 0.41 0.00	36.67 0.40 0.00	34.99 0.38 0.00	34.28 0.37 0.00	33.30 0.39 0.00	32.80 0.42 0.00	32.96 0.42 0.00	34.70 0.41 0.00	39.84 0.47 0.00	41.52 0.45 0.00	44.19 0.44 0.00	45.51 0.36 0.00	40.20 0.32 0.00	34.50 0.31 0.00	31.51 0.37 0.00
GINNA____ 23603	25.47 -2.00 0.00	22.90 -1.94 0.00	20.89 -1.82 0.00	19.62 -1.57 0.00	22.16 -2.03 0.00	25.71 -2.54 0.00	30.70 -3.15 0.00	35.20 -3.82 0.00	36.15 -3.53 0.00	33.68 -3.45 0.00	32.79 -3.48 0.00	31.56 -3.05 0.00	30.72 -3.19 0.00	29.65 -3.26 0.00	29.14 -3.24 0.00	29.51 -3.03 0.00	31.00 -3.29 0.00	35.66 -3.70 0.00	37.41 -3.66 0.00	39.86 -3.89 0.00	41.40 -3.75 0.00	36.53 -3.35 0.00	31.05 -3.15 0.00	28.21 -2.93 0.00
GLEN PARK____ 23778	27.17 -0.30 0.00	24.49 -0.35 0.00	22.46 -0.25 0.00	21.04 -0.15 0.00	24.26 0.07 0.00	28.40 0.14 0.00	34.08 0.24 0.00	39.10 0.08 0.00	39.69 0.00 0.00	36.87 -0.26 0.00	35.87 -0.40 0.00	33.92 -0.69 0.00	33.23 -0.68 0.00	32.21 -0.69 0.00	31.67 -0.71 0.00	31.95 -0.58 0.00	33.78 -0.51 0.00	39.09 -0.27 0.00	41.19 0.12 0.00	43.84 0.09 0.00	45.60 0.45 0.00	40.24 0.36 0.00	34.46 0.27 0.00	31.17 0.03 0.00
GLENDALE_27_KV_LOAD 356172	29.29 1.81 -0.01	26.45 1.61 0.00	24.18 1.48 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.61 1.36 0.00	35.60 1.76 0.00	41.25 2.22 0.00	41.87 2.18 0.00	39.47 2.34 0.00	38.41 2.14 0.00	36.79 2.18 0.00	36.11 2.20 0.00	35.11 2.20 0.00	34.65 2.27 0.00	34.82 2.28 0.00	36.69 2.40 0.00	42.00 2.64 0.00	43.57 2.51 0.00	46.38 2.63 0.00	47.77 2.62 0.00	41.87 1.99 0.00	36.04 1.85 0.00	32.89 1.74 -0.01
GLENWOOD_IC_1_G5 23712	43.96 1.81 -14.67	39.74 1.69 -13.21	37.70 1.54 -13.45	36.21 1.36 -13.67	37.59 1.50 -11.90	42.04 1.53 -12.26	55.89 1.93 -20.12	53.54 2.38 -12.14	54.50 2.34 -12.47	53.77 2.41 -14.23	53.90 2.25 -15.38	53.19 2.21 -16.37	52.91 2.24 -16.76	49.23 2.20 -14.12	46.82 2.23 -12.20	47.38 2.25 -12.60	47.51 2.37 -10.85	52.24 2.48 -10.40	64.67 2.42 -21.18	74.39 2.54 -28.10	67.36 2.62 -19.59	51.44 2.07 -9.48	46.84 1.91 -10.73	43.77 1.77 -10.86
GLENWOOD_IC_2_G1 23688	29.48 1.59 -0.42	26.73 1.52 -0.38	24.50 1.41 -0.38	22.78 1.21 -0.39	25.86 1.33 -0.34	29.93 1.33 -0.35	36.14 1.73 -0.57	41.52 2.15 -0.35	42.14 2.10 -0.36	39.72 2.19 -0.41	38.74 2.03 -0.44	37.08 2.01 -0.47	36.39 2.00 -0.48	35.32 2.01 -0.40	34.77 2.04 -0.35	34.95 2.05 -0.36	36.76 2.16 -0.31	41.98 2.32 -0.30	43.97 2.30 -0.60	47.00 2.45 -0.80	48.19 2.48 -0.56	42.06 1.91 -0.27	36.21 1.71 -0.31	33.03 1.59 -0.31
GLENWOOD_IC_3_G1 23689	29.48 1.59 -0.42	26.73 1.52 -0.38	24.50 1.41 -0.38	22.78 1.21 -0.39	25.86 1.33 -0.34	29.93 1.33 -0.35	36.14 1.73 -0.57	41.52 2.15 -0.35	42.14 2.10 -0.36	39.72 2.19 -0.41	38.74 2.03 -0.44	37.08 2.01 -0.47	36.39 2.00 -0.48	35.32 2.01 -0.40	34.77 2.04 -0.35	34.95 2.05 -0.36	36.76 2.16 -0.31	41.98 2.32 -0.30	43.97 2.30 -0.60	47.00 2.45 -0.80	48.19 2.48 -0.56	42.06 1.91 -0.27	36.21 1.71 -0.31	33.03 1.59 -0.31
GLENWOOD___4 23550	43.96 1.81 -14.67	39.74 1.69 -13.21	37.70 1.54 -13.45	36.21 1.36 -13.67	37.59 1.50 -11.90	42.04 1.53 -12.26	55.89 1.93 -20.12	53.54 2.38 -12.14	54.50 2.34 -12.47	53.77 2.41 -14.23	53.90 2.25 -15.38	53.19 2.21 -16.37	52.91 2.24 -16.76	49.23 2.20 -14.12	46.82 2.23 -12.20	47.38 2.25 -12.60	47.51 2.37 -10.85	52.28 2.52 -10.40	64.71 2.46 -21.18	74.48 2.63 -28.10	67.41 2.66 -19.59	51.48 2.11 -9.48	46.84 1.91 -10.73	43.77 1.77 -10.86
GLENWOOD___5 23614	43.96 1.81 -14.67	39.74 1.69 -13.21	37.70 1.54 -13.45	36.21 1.36 -13.67	37.59 1.50 -11.90	42.04 1.53 -12.26	55.89 1.93 -20.12	53.54 2.38 -12.14	54.50 2.34 -12.47	53.77 2.41 -14.23	53.90 2.25 -15.38	53.19 2.21 -16.37	52.91 2.24 -16.76	49.23 2.20 -14.12	46.82 2.23 -12.20	47.38 2.25 -12.60	47.51 2.37 -10.85	52.28 2.52 -10.40	64.71 2.46 -21.18	74.48 2.63 -28.10	67.41 2.66 -19.59	51.48 2.11 -9.48	46.84 1.91 -10.73	43.77 1.77 -10.86
GLOBAL GREEN_PORT_GT1 23814	32.70 2.88 -2.35	29.63 2.51 -2.28	27.33 2.29 -2.33	25.40 1.86 -2.35	28.29 2.06 -2.05	32.31 1.95 -2.11	38.88 2.61 -2.43	43.85 3.32 -1.51	44.51 3.29 -1.53	42.21 3.30 -1.78	40.70 2.72 -1.71	39.28 2.80 -1.87	38.60 2.75 -1.94	37.46 2.76 -1.79	36.53 2.49 -1.66	36.86 2.63 -1.68	38.78 2.60 -1.88	44.47 3.31 -1.80	47.67 2.96 -3.64	51.78 3.19 -4.83	51.86 3.34 -3.37	43.86 2.87 -1.11	38.05 2.39 -1.46	35.03 2.27 -1.62
GLOBE___DSASP 323697	25.66 -1.81 0.00	23.00 -1.84 0.00	21.03 -1.68 0.00	19.81 -1.38 0.00	22.23 -1.96 0.00	25.57 -2.68 0.00	30.15 -3.69 0.00	34.07 -4.96 0.00	35.04 -4.64 0.00	32.38 -4.75 0.00	31.52 -4.75 0.00	30.32 -4.29 0.00	29.50 -4.41 0.00	28.43 -4.48 0.00	27.82 -4.57 0.00	28.04 -4.49 0.01	29.70 -4.60 0.00	34.21 -5.16 0.00	36.22 -4.85 0.00	38.46 -5.29 0.00	40.14 -5.01 0.00	35.49 -4.39 0.00	30.36 -3.83 0.00	27.87 -3.27 0.00
GOETHSLN___LBMP 323567	28.93 1.46 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.28 1.09 0.00	29.36 1.10 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.55 1.87 0.00	39.17 2.04 0.00	38.12 1.85 0.00	36.48 1.87 0.00	35.81 1.90 0.00	34.78 1.88 0.00	34.32 1.94 0.00	34.52 1.98 0.00	36.38 2.09 0.00	41.61 2.24 0.00	43.24 2.18 0.00	46.03 2.28 0.00	47.41 2.26 0.00	41.55 1.67 0.00	35.70 1.50 0.00	32.47 1.34 0.00
GOLAH___69_KV_TB 1_2 80279	26.73 -0.74 0.00	24.00 -0.84 0.00	21.91 -0.79 0.00	20.57 -0.61 0.00	23.22 -0.97 0.00	26.90 -1.36 0.00	32.05 -1.79 0.00	36.57 -2.46 0.00	37.50 -2.18 0.00	34.79 -2.34 0.00	33.80 -2.47 0.00	32.50 -2.11 0.00	31.57 -2.34 0.00	30.37 -2.53 0.00	29.79 -2.59 0.00	30.09 -2.44 0.01	31.69 -2.61 0.00	36.45 -2.91 0.00	38.44 -2.63 0.00	40.95 -2.80 0.00	42.71 -2.44 0.00	37.73 -2.15 0.00	32.07 -2.12 0.00	29.21 -1.93 0.00
GOODYEAR_LAKE_HYD 323669	28.38 0.91 0.00	25.66 0.82 0.00	23.52 0.82 0.00	21.93 0.74 0.00	25.04 0.85 0.00	29.05 0.79 0.00	34.86 1.02 0.00	40.20 1.17 0.00	40.92 1.23 0.00	38.32 1.19 0.00	37.39 1.12 0.00	35.58 0.97 0.00	34.82 0.92 0.00	33.79 0.89 0.00	33.26 0.87 0.00	33.45 0.91 0.00	35.29 0.99 0.00	40.47 1.10 0.00	42.30 1.23 0.00	44.98 1.23 0.00	46.50 1.35 0.00	41.03 1.16 0.00	35.15 0.96 0.00	31.95 0.81 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	27.58 0.11 0.00	24.87 0.02 0.00	22.75 0.05 0.00	21.27 0.08 0.00	24.17 -0.02 0.00	27.97 -0.28 0.00	33.50 -0.34 0.00	38.52 -0.51 0.00	39.17 -0.52 0.00	36.57 -0.56 0.00	35.65 -0.62 0.00	34.02 -0.59 0.00	33.27 -0.64 0.00	32.18 -0.72 0.00	31.67 -0.71 0.00	31.85 -0.68 0.00	33.64 -0.65 0.00	38.62 -0.75 0.00	40.49 -0.57 0.00	43.19 -0.57 0.00	44.74 -0.41 0.00	39.56 -0.32 0.00	33.82 -0.38 0.00	30.76 -0.37 0.00



GOUDEY___7 23579	27.58 0.11 0.00	24.87 0.02 0.00	22.75 0.05 0.00	21.27 0.08 0.00	24.17 -0.02 0.00	27.97 -0.28 0.00	33.50 -0.34 0.00	38.52 -0.51 0.00	39.17 -0.52 0.00	36.57 -0.56 0.00	35.65 -0.62 0.00	34.02 -0.59 0.00	33.27 -0.64 0.00	32.18 -0.72 0.00	31.67 -0.71 0.00	31.85 -0.68 0.00	33.64 -0.65 0.00	38.62 -0.75 0.00	40.49 -0.57 0.00	43.19 -0.57 0.00	44.74 -0.41 0.00	39.56 -0.32 0.00	33.82 -0.38 0.00	30.76 -0.37 0.00
GOUDEY___8 23580	27.58 0.11 0.00	24.87 0.02 0.00	22.75 0.05 0.00	21.27 0.08 0.00	24.17 -0.02 0.00	27.97 -0.28 0.00	33.50 -0.34 0.00	38.52 -0.51 0.00	39.17 -0.52 0.00	36.57 -0.56 0.00	35.65 -0.62 0.00	34.02 -0.59 0.00	33.27 -0.64 0.00	32.18 -0.72 0.00	31.67 -0.71 0.00	31.85 -0.68 0.00	33.64 -0.65 0.00	38.62 -0.75 0.00	40.49 -0.57 0.00	43.19 -0.57 0.00	44.74 -0.41 0.00	39.56 -0.32 0.00	33.82 -0.38 0.00	30.76 -0.37 0.00
GOWANUS_GT1_1 24077	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT1_2 24078	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT1_3 24079	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT1_4 24080	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT1_5 24084	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT1_6 24111	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT1_7 24112	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT1_8 24113	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT2_1 24114	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT2_2 24115	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT2_3 24116	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT2_4 24117	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT2_5 24118	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01



GOWANUS_GT2_6 24119	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT2_7 24120	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT2_8 24121	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT3_1 24122	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT3_2 24123	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT3_3 24124	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT3_4 24125	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT3_5 24126	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT3_6 24127	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT3_7 24128	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT3_8 24129	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
GOWANUS_GT4_1 24130	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT4_2 24131	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT4_3 24132	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT4_4 24133	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01



GOWANUS_GT4_5 24134	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT4_6 24135	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT4_7 24136	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GOWANUS_GT4_8 24137	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GREATVR_69_KV_BK1 356245	33.61 2.66 -3.48	30.57 2.43 -3.29	28.33 2.27 -3.35	26.57 1.99 -3.39	29.37 2.23 -2.95	33.56 2.26 -3.04	40.75 2.88 -4.03	44.97 3.47 -2.47	45.62 3.41 -2.52	43.41 3.38 -2.90	42.26 3.05 -2.94	40.83 2.98 -3.18	40.17 2.96 -3.28	38.77 2.96 -2.90	37.85 2.85 -2.62	38.14 2.93 -2.67	40.05 3.05 -2.71	45.53 3.58 -2.58	49.81 3.49 -5.25	54.48 3.76 -6.97	53.84 3.84 -4.86	44.98 3.23 -1.87	39.27 2.77 -2.31	36.10 2.49 -2.47
GREENBSH_115KV_TB3 55895	27.80 0.33 0.00	25.34 0.50 0.00	23.21 0.50 0.00	21.65 0.47 0.00	24.63 0.44 0.00	28.37 0.11 0.00	33.94 0.10 0.00	39.10 0.08 0.00	39.65 -0.04 0.00	37.05 -0.07 0.00	36.23 -0.04 0.00	34.57 -0.03 0.00	33.88 -0.03 0.00	32.97 0.07 0.00	32.45 0.06 0.00	32.60 0.07 0.00	34.26 -0.03 0.00	39.40 0.04 0.00	41.02 -0.04 0.00	43.67 -0.09 0.00	44.92 -0.23 0.00	39.76 -0.12 0.00	34.09 -0.10 0.00	31.20 0.06 0.00
GREENDGE_115KV_TB5 80291	27.34 -0.14 0.00	24.54 -0.30 0.00	22.43 -0.27 0.00	21.02 -0.17 0.00	23.78 -0.41 0.00	27.58 -0.68 0.00	33.00 -0.85 0.00	37.89 -1.13 0.00	38.54 -1.15 0.00	35.83 -1.30 0.00	34.86 -1.41 0.00	33.29 -1.32 0.00	32.45 -1.46 0.00	31.29 -1.61 0.00	30.76 -1.62 0.00	30.98 -1.53 0.03	32.78 -1.51 0.00	37.75 -1.61 0.00	39.79 -1.27 0.00	42.57 -1.18 0.00	44.25 -0.90 0.00	39.08 -0.80 0.00	33.34 -0.85 0.00	30.26 -0.87 0.00
GREENIDGE___3 23582	27.34 -0.14 0.00	24.54 -0.30 0.00	22.43 -0.27 0.00	21.02 -0.17 0.00	23.78 -0.41 0.00	27.58 -0.68 0.00	33.00 -0.85 0.00	37.89 -1.13 0.00	38.54 -1.15 0.00	35.83 -1.30 0.00	34.86 -1.41 0.00	33.29 -1.32 0.00	32.45 -1.46 0.00	31.29 -1.61 0.00	30.76 -1.62 0.00	30.98 -1.53 0.03	32.78 -1.51 0.00	37.75 -1.61 0.00	39.79 -1.27 0.00	42.57 -1.18 0.00	44.25 -0.90 0.00	39.08 -0.80 0.00	33.34 -0.85 0.00	30.26 -0.87 0.00
GREENIDGE___4 23583	27.31 -0.16 0.00	24.54 -0.30 0.00	22.43 -0.27 0.00	21.02 -0.17 0.00	23.78 -0.41 0.00	27.58 -0.68 0.00	33.00 -0.84 0.00	37.89 -1.13 0.00	38.58 -1.11 0.00	35.83 -1.30 0.00	34.86 -1.42 0.00	33.29 -1.32 0.00	32.45 -1.46 0.00	31.29 -1.61 0.00	30.76 -1.62 0.00	30.98 -1.53 0.03	32.78 -1.51 0.00	37.83 -1.54 0.00	39.79 -1.27 0.00	42.62 -1.14 0.00	44.25 -0.90 0.00	39.08 -0.80 0.00	33.34 -0.85 0.00	30.26 -0.87 0.00
GREENLWN_69_KV_BK 3 55738	32.38 1.81 -3.09	29.48 1.69 -2.95	27.28 1.57 -3.00	25.60 1.38 -3.04	28.36 1.52 -2.65	32.51 1.53 -2.73	39.25 1.93 -3.48	43.51 2.34 -2.14	44.09 2.22 -2.18	41.95 2.30 -2.52	40.85 2.07 -2.51	39.45 2.11 -2.73	38.83 2.10 -2.82	37.53 2.11 -2.52	36.78 2.10 -2.29	36.99 2.11 -2.34	38.91 2.19 -2.43	44.05 2.36 -2.32	48.04 2.26 -4.71	52.42 2.41 -6.26	51.99 2.48 -4.36	43.44 1.95 -1.61	38.02 1.81 -2.02	35.03 1.71 -2.18
GREENWD_138_KV_38B11_REV_LBMP_J 345004	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01
GRISSOM___SOLAR 323813	28.79 1.32 0.00	25.98 1.14 0.00	23.77 1.07 0.00	22.16 0.98 0.00	25.25 1.06 0.00	29.41 1.16 0.00	35.26 1.42 0.00	40.78 1.76 0.00	41.31 1.63 0.00	38.50 1.37 0.00	37.61 1.34 0.00	35.85 1.24 0.00	34.99 1.08 0.00	34.03 1.12 0.00	33.45 1.07 0.00	33.64 1.11 0.00	35.49 1.20 0.00	40.82 1.46 0.00	42.83 1.76 0.00	45.68 1.92 0.00	47.13 1.98 0.00	41.63 1.75 0.00	35.63 1.44 0.00	32.38 1.25 0.00
GROVEVILLE___HYD 323602	28.96 1.48 0.00	26.21 1.37 0.00	23.93 1.23 0.00	22.25 1.06 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	40.98 1.95 0.00	41.63 1.94 0.00	39.10 1.97 0.00	38.05 1.78 0.00	36.30 1.70 0.00	35.60 1.70 0.00	34.62 1.71 0.00	34.13 1.75 0.00	34.29 1.76 0.00	36.18 1.89 0.00	41.41 2.05 0.00	43.08 2.01 0.00	45.90 2.14 0.00	47.36 2.21 0.00	41.59 1.71 0.00	35.73 1.54 0.00	32.57 1.43 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	27.01 -0.47 0.00	24.34 -0.50 0.00	22.27 -0.43 0.00	20.80 -0.38 0.00	23.66 -0.53 0.00	27.46 -0.79 0.00	32.96 -0.88 0.00	38.01 -1.01 0.00	38.69 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.93 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.63 -0.91 0.00	33.30 -0.99 0.00	38.18 -1.18 0.00	40.00 -1.07 0.00	42.66 -1.09 0.00	44.16 -0.99 0.00	39.00 -0.88 0.00	33.37 -0.82 0.00	30.36 -0.78 0.00
HAMLTNNY_34_KV_TB 80303	26.95 -0.52 0.00	24.29 -0.55 0.00	22.21 -0.50 0.00	20.76 -0.42 0.00	23.59 -0.60 0.00	27.38 -0.88 0.00	32.83 -1.02 0.00	37.82 -1.21 0.00	38.54 -1.15 0.00	35.98 -1.15 0.00	35.07 -1.20 0.00	33.53 -1.07 0.00	32.76 -1.15 0.00	31.66 -1.25 0.00	31.15 -1.23 0.00	31.43 -1.11 0.00	33.13 -1.17 0.00	38.03 -1.34 0.00	39.83 -1.23 0.00	42.53 -1.23 0.00	44.07 -1.08 0.00	38.92 -0.96 0.00	33.23 -0.96 0.00	30.20 -0.93 0.00



HAMPSHIRE___PAPER_HYD 323593	26.81 -0.66 0.00	24.22 -0.62 0.00	22.19 -0.52 0.00	20.76 -0.42 0.00	23.92 -0.27 0.00	28.14 -0.11 0.00	33.61 -0.24 0.00	38.71 -0.31 0.00	39.33 -0.36 0.00	36.72 -0.41 0.00	35.84 -0.43 0.00	33.98 -0.62 0.00	33.37 -0.54 0.00	32.38 -0.53 0.00	31.73 -0.65 0.00	31.82 -0.72 0.00	33.71 -0.58 0.00	38.77 -0.59 0.00	40.61 -0.45 0.00	43.05 -0.70 0.00	44.61 -0.54 0.00	39.68 -0.20 0.00	34.12 -0.07 0.00	30.86 -0.28 0.00
HARDSCRABBLE_WT_PWR 323673	27.31 -0.16 0.00	24.77 -0.07 0.00	22.71 0.00 0.00	21.23 0.04 0.00	24.26 0.07 0.00	28.31 0.06 0.00	33.94 0.10 0.00	39.14 0.12 0.00	39.81 0.12 0.00	37.28 0.15 0.00	36.49 0.22 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.07 0.17 0.00	32.51 0.13 0.00	32.67 0.13 0.00	34.40 0.10 0.00	39.40 0.04 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.10 -0.05 0.00	39.76 -0.12 0.00	34.09 -0.10 0.00	31.04 -0.09 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	28.79 1.32 0.00	26.03 1.19 0.00	23.80 1.09 0.00	22.12 0.93 0.00	25.21 1.02 0.00	29.24 0.99 0.00	35.20 1.35 0.00	40.74 1.72 0.00	41.31 1.63 0.00	38.87 1.75 0.00	37.87 1.60 0.00	36.16 1.56 0.00	35.44 1.53 0.00	34.45 1.55 0.00	33.97 1.59 0.00	34.13 1.59 0.00	36.01 1.71 0.00	41.21 1.85 0.00	42.83 1.77 0.00	45.64 1.88 0.00	47.09 1.94 0.00	41.39 1.52 0.00	35.53 1.33 0.00	32.35 1.21 0.00
HARSNRAD_115KV_TB1 81005	26.04 -1.43 0.00	23.28 -1.56 0.00	21.25 -1.45 0.00	20.04 -1.14 0.00	22.50 -1.69 0.00	25.97 -2.29 0.00	30.63 -3.21 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.03 -4.24 0.00	30.80 -3.81 0.00	29.94 -3.97 0.00	28.86 -4.05 0.00	28.24 -4.14 0.00	28.46 -4.07 0.01	30.18 -4.12 0.00	34.76 -4.61 0.00	36.79 -4.27 0.00	39.12 -4.64 0.00	40.86 -4.29 0.00	36.13 -3.75 0.00	30.88 -3.32 0.00	28.27 -2.86 0.00
HARZA MOOSE___RIVER 24016	27.39 -0.08 0.00	24.77 -0.07 0.00	22.71 0.00 0.00	21.25 0.06 0.00	24.48 0.29 0.00	28.59 0.34 0.00	34.28 0.44 0.00	39.46 0.43 0.00	40.12 0.44 0.00	37.43 0.30 0.00	36.52 0.25 0.00	34.64 0.03 0.00	33.94 0.03 0.00	32.94 0.03 0.00	32.38 0.00 0.00	32.57 0.03 0.00	34.43 0.14 0.00	39.64 0.28 0.00	41.48 0.41 0.00	44.10 0.35 0.00	45.69 0.54 0.00	40.36 0.48 0.00	34.57 0.38 0.00	31.35 0.22 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	27.03 -0.44 0.00	24.37 -0.47 0.00	22.30 -0.41 0.00	20.83 -0.36 0.00	23.68 -0.51 0.00	27.49 -0.76 0.00	33.00 -0.85 0.00	38.01 -1.01 0.00	38.69 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.67 -0.93 0.00	32.93 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.59 -0.94 0.00	33.30 -0.99 0.00	38.14 -1.22 0.00	39.87 -1.19 0.00	42.57 -1.18 0.00	44.02 -1.13 0.00	38.88 -1.00 0.00	33.30 -0.89 0.00	30.33 -0.81 0.00
HELLGATE_13_KV_LD 55870	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.48 1.29 0.00	25.59 1.40 0.00	29.64 1.38 0.00	35.60 1.76 0.00	41.25 2.22 0.00	41.83 2.14 0.00	39.47 2.34 0.00	38.41 2.14 0.00	36.79 2.18 0.00	36.11 2.20 0.00	35.11 2.20 0.00	34.65 2.27 0.00	34.82 2.28 0.00	36.69 2.40 0.00	41.96 2.60 0.00	43.53 2.46 0.00	46.34 2.58 0.00	47.72 2.57 0.00	41.83 1.95 0.00	36.04 1.85 0.00	32.92 1.77 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.48 1.29 0.00	25.59 1.40 0.00	29.64 1.38 0.00	35.60 1.76 0.00	41.25 2.22 0.00	41.83 2.14 0.00	39.47 2.34 0.00	38.41 2.14 0.00	36.79 2.18 0.00	36.11 2.20 0.00	35.11 2.20 0.00	34.65 2.27 0.00	34.82 2.28 0.00	36.69 2.40 0.00	41.96 2.60 0.00	43.53 2.46 0.00	46.34 2.58 0.00	47.72 2.57 0.00	41.83 1.95 0.00	36.04 1.85 0.00	32.92 1.77 -0.01
HEMPSTEAD____ 23647	42.90 1.76 -13.67	38.89 1.69 -12.36	36.89 1.59 -12.59	35.36 1.38 -12.79	36.85 1.52 -11.14	41.29 1.55 -11.48	54.25 1.93 -18.48	52.57 2.38 -11.16	53.49 2.34 -11.46	52.60 2.38 -13.09	52.53 2.18 -14.08	51.79 2.18 -15.00	51.45 2.17 -15.37	48.07 2.17 -13.00	45.82 2.17 -11.27	46.34 2.18 -11.62	46.74 2.30 -10.15	51.56 2.48 -9.71	63.32 2.46 -19.80	72.68 2.67 -26.26	66.17 2.71 -18.31	50.73 2.15 -8.70	45.98 1.88 -9.91	43.00 1.77 -10.09
HICKLING___1 23621	27.61 0.14 0.00	24.79 -0.05 0.00	22.66 -0.05 0.00	21.23 0.04 0.00	24.00 -0.19 0.00	27.78 -0.48 0.00	33.17 -0.68 0.00	38.01 -1.01 0.00	38.66 -1.03 0.00	35.94 -1.19 0.00	34.96 -1.31 0.00	33.40 -1.21 0.00	32.52 -1.39 0.00	31.36 -1.55 0.00	30.79 -1.59 0.00	30.98 -1.53 0.02	32.82 -1.47 0.00	37.75 -1.61 0.00	39.71 -1.36 0.00	42.49 -1.27 0.00	44.16 -0.99 0.00	39.08 -0.80 0.00	33.37 -0.82 0.00	30.30 -0.84 0.00
HICKLING___2 23622	27.61 0.14 0.00	24.79 -0.05 0.00	22.66 -0.05 0.00	21.23 0.04 0.00	24.00 -0.19 0.00	27.78 -0.48 0.00	33.17 -0.68 0.00	38.01 -1.01 0.00	38.66 -1.03 0.00	35.94 -1.19 0.00	34.96 -1.31 0.00	33.40 -1.21 0.00	32.52 -1.39 0.00	31.36 -1.55 0.00	30.79 -1.59 0.00	30.98 -1.53 0.02	32.82 -1.47 0.00	37.75 -1.61 0.00	39.71 -1.36 0.00	42.49 -1.27 0.00	44.16 -0.99 0.00	39.08 -0.80 0.00	33.37 -0.82 0.00	30.30 -0.84 0.00
HIGH FALLS___HY 23754	29.04 1.57 0.00	26.23 1.39 0.00	23.96 1.25 0.00	22.27 1.08 0.00	25.40 1.21 0.00	29.53 1.27 0.00	35.53 1.69 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.24 2.12 0.00	38.12 1.85 0.00	36.37 1.76 0.00	35.67 1.76 0.00	34.68 1.78 0.00	34.19 1.81 0.00	34.36 1.82 0.00	36.32 2.02 0.00	41.61 2.24 0.00	43.28 2.22 0.00	46.16 2.41 0.00	47.68 2.53 0.00	41.79 1.91 0.00	35.90 1.71 0.00	32.69 1.56 0.00
HIGH_RIVER___SOLAR 323847	28.38 0.91 0.00	25.66 0.82 0.00	23.48 0.77 0.00	21.88 0.70 0.00	24.94 0.75 0.00	28.99 0.73 0.00	34.76 0.91 0.00	40.04 1.01 0.00	40.56 0.87 0.00	37.83 0.70 0.00	36.96 0.69 0.00	35.26 0.66 0.00	34.49 0.58 0.00	33.53 0.62 0.00	32.96 0.58 0.00	33.12 0.59 0.00	34.94 0.65 0.00	40.19 0.83 0.00	42.09 1.03 0.00	44.89 1.14 0.00	46.32 1.17 0.00	40.88 1.00 0.00	35.05 0.86 0.00	31.91 0.78 0.00
HILLBURN___GT 23639	28.76 1.29 0.00	26.08 1.24 0.00	23.84 1.13 0.00	22.16 0.98 0.00	25.25 1.06 0.00	29.27 1.02 0.00	35.23 1.39 0.00	40.82 1.80 0.00	41.39 1.71 0.00	38.98 1.86 0.00	37.98 1.71 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.58 1.68 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.07 1.78 0.00	41.25 1.89 0.00	42.87 1.80 0.00	45.73 1.97 0.00	47.13 1.98 0.00	41.39 1.52 0.00	35.52 1.33 0.00	32.35 1.21 0.00
HILLSIDE_115KV_TB1 80332	27.23 -0.25 0.00	24.49 -0.35 0.00	22.41 -0.30 0.00	20.97 -0.21 0.00	23.75 -0.44 0.00	27.49 -0.76 0.00	32.83 -1.02 0.00	37.62 -1.40 0.00	38.22 -1.47 0.00	35.61 -1.52 0.00	34.67 -1.60 0.00	33.12 -1.49 0.00	32.28 -1.63 0.00	31.19 -1.71 0.00	30.66 -1.72 0.00	30.82 -1.69 0.02	32.61 -1.68 0.00	37.47 -1.89 0.00	39.46 -1.60 0.00	42.14 -1.62 0.00	43.84 -1.31 0.00	38.76 -1.12 0.00	33.10 -1.09 0.00	30.08 -1.06 0.00



HISHELDN_WT_PWR 323625	26.54 -0.93 0.00	23.75 -1.09 0.00	21.69 -1.02 0.00	20.44 -0.74 0.00	22.93 -1.26 0.00	26.50 -1.75 0.00	31.20 -2.64 0.00	35.47 -3.55 0.00	36.31 -3.37 0.00	33.53 -3.60 0.00	32.61 -3.66 0.00	31.22 -3.39 0.00	30.31 -3.60 0.00	29.22 -3.68 0.00	28.59 -3.79 0.00	28.82 -3.71 0.01	30.52 -3.77 0.00	35.35 -4.02 0.00	37.29 -3.78 0.00	39.82 -3.94 0.00	41.49 -3.66 0.00	36.73 -3.15 0.00	31.46 -2.74 0.00	28.74 -2.40 0.00
HOLTSVILLE_IC_1 23690	32.04 2.28 -2.29	29.23 2.16 -2.23	27.00 2.02 -2.27	25.26 1.78 -2.29	28.17 1.98 -2.00	32.24 1.92 -2.06	38.66 2.47 -2.34	43.49 3.01 -1.46	44.10 2.94 -1.47	41.74 2.90 -1.71	40.53 2.61 -1.64	39.04 2.63 -1.80	38.39 2.61 -1.87	37.23 2.60 -1.73	36.42 2.43 -1.61	36.64 2.47 -1.63	38.66 2.54 -1.83	44.11 2.99 -1.75	47.45 2.83 -3.55	51.58 3.11 -4.72	51.55 3.11 -3.29	43.50 2.55 -1.07	37.87 2.26 -1.42	34.77 2.05 -1.58
HOLTSVILLE_IC_10 23699	32.46 2.42 -2.57	29.58 2.26 -2.48	27.37 2.13 -2.53	25.61 1.86 -2.56	28.50 2.08 -2.22	32.58 2.04 -2.29	39.19 2.61 -2.74	43.93 3.20 -1.70	44.51 3.10 -1.72	42.20 3.08 -2.00	40.98 2.76 -1.95	39.54 2.80 -2.13	38.86 2.75 -2.20	37.64 2.73 -2.01	36.79 2.56 -1.85	37.05 2.63 -1.88	39.04 2.71 -2.04	44.50 3.19 -1.95	48.06 3.04 -3.96	52.33 3.32 -5.26	52.15 3.34 -3.66	43.93 2.79 -1.26	38.25 2.43 -1.63	35.11 2.18 -1.79
HOLTSVILLE_IC_2 23691	32.04 2.28 -2.29	29.23 2.16 -2.23	27.00 2.02 -2.27	25.26 1.78 -2.29	28.17 1.98 -2.00	32.24 1.92 -2.06	38.66 2.47 -2.34	43.49 3.01 -1.46	44.10 2.94 -1.47	41.74 2.90 -1.71	40.53 2.61 -1.64	39.04 2.63 -1.80	38.39 2.61 -1.87	37.23 2.60 -1.73	36.42 2.43 -1.61	36.64 2.47 -1.63	38.66 2.54 -1.83	44.11 2.99 -1.75	47.45 2.83 -3.55	51.58 3.11 -4.72	51.55 3.11 -3.29	43.50 2.55 -1.07	37.87 2.26 -1.42	34.77 2.05 -1.58
HOLTSVILLE_IC_3 23692	32.04 2.28 -2.29	29.23 2.16 -2.23	27.00 2.02 -2.27	25.26 1.78 -2.29	28.17 1.98 -2.00	32.24 1.92 -2.06	38.66 2.47 -2.34	43.49 3.01 -1.46	44.10 2.94 -1.47	41.74 2.90 -1.71	40.53 2.61 -1.64	39.04 2.63 -1.80	38.39 2.61 -1.87	37.23 2.60 -1.73	36.42 2.43 -1.61	36.64 2.47 -1.63	38.66 2.54 -1.83	44.11 2.99 -1.75	47.45 2.83 -3.55	51.58 3.11 -4.72	51.55 3.11 -3.29	43.50 2.55 -1.07	37.87 2.26 -1.42	34.77 2.05 -1.58
HOLTSVILLE_IC_4 23693	32.04 2.28 -2.29	29.23 2.16 -2.23	27.00 2.02 -2.27	25.26 1.78 -2.29	28.17 1.98 -2.00	32.24 1.92 -2.06	38.66 2.47 -2.34	43.49 3.01 -1.46	44.10 2.94 -1.47	41.74 2.90 -1.71	40.53 2.61 -1.64	39.04 2.63 -1.80	38.39 2.61 -1.87	37.23 2.60 -1.73	36.42 2.43 -1.61	36.64 2.47 -1.63	38.66 2.54 -1.83	44.11 2.99 -1.75	47.45 2.83 -3.55	51.58 3.11 -4.72	51.55 3.11 -3.29	43.50 2.55 -1.07	37.87 2.26 -1.42	34.77 2.05 -1.58
HOLTSVILLE_IC_5 23694	32.04 2.28 -2.29	29.23 2.16 -2.23	27.00 2.02 -2.27	25.26 1.78 -2.29	28.17 1.98 -2.00	32.24 1.92 -2.06	38.66 2.47 -2.34	43.49 3.01 -1.46	44.10 2.94 -1.47	41.74 2.90 -1.71	40.53 2.61 -1.64	39.04 2.63 -1.80	38.39 2.61 -1.87	37.23 2.60 -1.73	36.42 2.43 -1.61	36.64 2.47 -1.63	38.66 2.54 -1.83	44.11 2.99 -1.75	47.45 2.83 -3.55	51.58 3.11 -4.72	51.55 3.11 -3.29	43.50 2.55 -1.07	37.87 2.26 -1.42	34.77 2.05 -1.58
HOLTSVILLE_IC_6 23695	32.46 2.42 -2.57	29.58 2.26 -2.48	27.37 2.13 -2.53	25.61 1.86 -2.56	28.50 2.08 -2.22	32.58 2.04 -2.29	39.19 2.61 -2.74	43.93 3.20 -1.70	44.51 3.10 -1.72	42.20 3.08 -2.00	40.98 2.76 -1.95	39.54 2.80 -2.13	38.86 2.75 -2.20	37.64 2.73 -2.01	36.79 2.56 -1.85	37.05 2.63 -1.88	39.04 2.71 -2.04	44.50 3.19 -1.95	48.06 3.04 -3.96	52.33 3.32 -5.26	52.15 3.34 -3.66	43.93 2.79 -1.26	38.25 2.43 -1.63	35.11 2.18 -1.79
HOLTSVILLE_IC_7 23696	32.46 2.42 -2.57	29.58 2.26 -2.48	27.37 2.13 -2.53	25.61 1.86 -2.56	28.50 2.08 -2.22	32.58 2.04 -2.29	39.19 2.61 -2.74	43.93 3.20 -1.70	44.51 3.10 -1.72	42.20 3.08 -2.00	40.98 2.76 -1.95	39.54 2.80 -2.13	38.86 2.75 -2.20	37.64 2.73 -2.01	36.79 2.56 -1.85	37.05 2.63 -1.88	39.04 2.71 -2.04	44.50 3.19 -1.95	48.06 3.04 -3.96	52.33 3.32 -5.26	52.15 3.34 -3.66	43.93 2.79 -1.26	38.25 2.43 -1.63	35.11 2.18 -1.79
HOLTSVILLE_IC_8 23697	32.46 2.42 -2.57	29.58 2.26 -2.48	27.37 2.13 -2.53	25.61 1.86 -2.56	28.50 2.08 -2.22	32.58 2.04 -2.29	39.19 2.61 -2.74	43.93 3.20 -1.70	44.51 3.10 -1.72	42.20 3.08 -2.00	40.98 2.76 -1.95	39.54 2.80 -2.13	38.86 2.75 -2.20	37.64 2.73 -2.01	36.79 2.56 -1.85	37.05 2.63 -1.88	39.04 2.71 -2.04	44.50 3.19 -1.95	48.06 3.04 -3.96	52.33 3.32 -5.26	52.15 3.34 -3.66	43.93 2.79 -1.26	38.25 2.43 -1.63	35.11 2.18 -1.79
HOLTSVILLE_IC_9 23698	32.46 2.42 -2.57	29.58 2.26 -2.48	27.37 2.13 -2.53	25.61 1.86 -2.56	28.50 2.08 -2.22	32.58 2.04 -2.29	39.19 2.61 -2.74	43.93 3.20 -1.70	44.51 3.10 -1.72	42.20 3.08 -2.00	40.98 2.76 -1.95	39.54 2.80 -2.13	38.86 2.75 -2.20	37.64 2.73 -2.01	36.79 2.56 -1.85	37.05 2.63 -1.88	39.04 2.71 -2.04	44.50 3.19 -1.95	48.06 3.04 -3.96	52.33 3.32 -5.26	52.15 3.34 -3.66	43.93 2.79 -1.26	38.25 2.43 -1.63	35.11 2.18 -1.79
HOMER_HL_115KV_TB2 355744	27.03 -0.44 0.00	24.19 -0.65 0.00	22.12 -0.59 0.00	20.83 -0.36 0.00	23.39 -0.80 0.00	27.04 -1.22 0.00	32.12 -1.73 0.00	36.68 -2.34 0.00	37.27 -2.42 0.00	34.53 -2.60 0.00	33.62 -2.65 0.00	32.22 -2.39 0.00	31.26 -2.64 0.00	30.17 -2.73 0.00	29.50 -2.88 0.00	29.63 -2.90 0.01	31.48 -2.81 0.00	36.18 -3.19 0.00	38.31 -2.75 0.00	40.87 -2.89 0.00	42.80 -2.35 0.00	37.96 -1.91 0.00	32.28 -1.91 0.00	29.30 -1.84 0.00
HOWARD_WT_PWR 323690	27.23 -0.25 0.00	24.39 -0.45 0.00	22.27 -0.43 0.00	20.89 -0.30 0.00	23.49 -0.70 0.00	27.18 -1.07 0.00	32.22 -1.62 0.00	36.72 -2.30 0.00	37.31 -2.38 0.00	34.49 -2.64 0.00	33.40 -2.87 0.00	31.84 -2.77 0.00	30.93 -2.98 0.00	29.75 -3.16 0.00	29.14 -3.24 0.00	29.33 -3.19 0.02	31.14 -3.15 0.00	36.06 -3.31 0.00	38.15 -2.91 0.00	40.95 -2.80 0.00	42.67 -2.48 0.00	37.80 -2.08 0.00	32.24 -1.95 0.00	29.27 -1.87 0.00
HQ_GEN_CEDARS 23644	27.34 -0.14 0.00	24.67 -0.17 0.00	22.55 -0.16 0.00	21.08 -0.11 0.00	24.12 -0.07 0.00	28.68 0.42 0.00	34.15 0.30 0.00	39.49 0.47 0.00	40.16 0.48 0.00	37.61 0.48 0.00	36.78 0.51 0.00	35.02 0.42 0.00	34.42 0.51 0.00	33.37 0.46 0.00	32.77 0.39 0.00	32.80 0.26 0.00	34.74 0.45 0.00	39.88 0.51 0.00	41.56 0.49 0.00	44.24 0.48 0.00	45.42 0.27 0.00	40.56 0.68 0.00	34.88 0.68 0.00	31.57 0.44 0.00
HQ_GEN_CEDARS_PROXY 323590	27.34 -0.14 0.00	24.67 -0.17 0.00	22.55 -0.16 0.00	21.08 -0.11 0.00	24.12 -0.07 0.00	28.68 0.42 0.00	34.15 0.30 0.00	39.50 0.47 0.00	40.16 0.48 0.00	37.61 0.48 0.00	36.78 0.51 0.00	35.02 0.42 0.00	34.42 0.51 0.00	33.37 0.46 0.00	32.77 0.39 0.00	32.80 0.26 0.00	34.20 0.44 0.54	40.41 0.51 -0.54	41.56 0.49 0.00	43.93 0.18 0.00	45.42 0.27 0.00	40.56 0.68 0.00	34.88 0.68 0.00	31.57 0.44 0.00



HQ_GEN_IMPORT 323601	27.28 -0.19 0.00	24.64 -0.20 0.00	22.48 -0.23 0.00	20.99 -0.19 0.00	18.60 -0.14 5.45	33.79 0.09 -5.45	33.88 0.03 0.00	39.10 0.08 0.00	39.81 0.12 0.00	37.24 0.11 0.00	36.42 0.15 0.00	34.71 0.10 0.00	34.05 0.14 0.00	33.04 0.13 0.00	32.48 0.10 0.00	32.64 0.10 0.00	33.89 0.14 0.54	40.06 0.16 -0.54	41.23 0.16 0.00	43.89 0.13 0.00	45.28 0.14 0.00	40.08 0.20 0.00	34.36 0.17 0.00	31.23 0.09 0.00
HQ_GEN_WHEEL 23651	27.28 -0.19 0.00	24.64 -0.20 0.00	22.48 -0.23 0.00	20.99 -0.19 0.00	18.60 -0.14 5.45	33.79 0.09 -5.45	33.88 0.03 0.00	39.10 0.08 0.00	39.81 0.12 0.00	37.24 0.11 0.00	36.42 0.15 0.00	34.71 0.10 0.00	34.05 0.14 0.00	33.04 0.13 0.00	32.48 0.10 0.00	32.64 0.10 0.00	33.89 0.14 0.54	40.06 0.16 -0.54	41.23 0.16 0.00	43.89 0.13 0.00	45.28 0.14 0.00	40.08 0.20 0.00	34.36 0.17 0.00	31.23 0.09 0.00
HUDSON AVE_GT_3 23810	29.09 1.62 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.45 1.62 0.02	41.12 2.11 0.01	41.78 2.10 0.01	39.34 2.23 0.01	38.32 2.07 0.02	36.63 2.04 0.02	35.96 2.07 0.02	34.97 2.07 0.01	34.48 2.10 0.01	34.71 2.18 0.01	36.56 2.26 0.00	41.84 2.48 0.00	43.45 2.38 0.00	46.25 2.49 0.00	47.68 2.53 0.00	41.78 1.91 0.01	35.89 1.71 0.01	32.69 1.56 0.00
HUDSON AVE_GT_4 23540	29.09 1.62 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.45 1.62 0.02	41.12 2.11 0.01	41.78 2.10 0.01	39.34 2.23 0.01	38.32 2.07 0.02	36.63 2.04 0.02	35.96 2.07 0.02	34.97 2.07 0.01	34.48 2.10 0.01	34.71 2.18 0.01	36.56 2.26 0.00	41.84 2.48 0.00	43.45 2.38 0.00	46.25 2.49 0.00	47.68 2.53 0.00	41.78 1.91 0.01	35.89 1.71 0.01	32.69 1.56 0.00
HUDSON AVE_GT_5 23657	29.09 1.62 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.45 1.62 0.02	41.12 2.11 0.01	41.78 2.10 0.01	39.34 2.23 0.01	38.32 2.07 0.02	36.63 2.04 0.02	35.96 2.07 0.02	34.97 2.07 0.01	34.48 2.10 0.01	34.71 2.18 0.01	36.56 2.26 0.00	41.84 2.48 0.00	43.45 2.38 0.00	46.25 2.49 0.00	47.68 2.53 0.00	41.78 1.91 0.01	35.89 1.71 0.01	32.69 1.56 0.00
HUDSON_AVE_10 24168	29.07 1.51 -0.09	26.18 1.34 0.00	23.93 1.23 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.39 1.13 0.00	35.70 1.46 -0.40	41.17 1.91 -0.23	41.83 1.90 -0.24	39.44 2.04 -0.27	38.49 1.85 -0.37	36.85 1.87 -0.37	36.18 1.90 -0.37	35.07 1.91 -0.26	34.50 1.94 -0.18	34.82 2.08 -0.20	36.49 2.19 0.00	41.73 2.36 0.00	43.32 2.26 0.00	46.12 2.36 0.00	47.50 2.35 0.00	41.88 1.79 -0.20	35.92 1.57 -0.16	32.65 1.40 -0.11
HUDSON___115KV_TB 4 355613	28.22 0.74 0.00	25.66 0.82 0.00	23.48 0.77 0.00	21.91 0.72 0.00	24.94 0.75 0.00	28.82 0.57 0.00	34.52 0.68 0.00	39.81 0.78 0.00	40.24 0.56 0.00	37.50 0.37 0.00	36.56 0.29 0.00	34.81 0.21 0.00	34.08 0.17 0.00	33.17 0.26 0.00	32.67 0.29 0.00	32.90 0.36 0.00	34.63 0.34 0.00	39.95 0.59 0.00	41.68 0.62 0.00	44.45 0.70 0.00	45.78 0.63 0.00	40.44 0.56 0.00	34.67 0.48 0.00	31.70 0.56 0.00
HUNTER MOUNT___DRP 323613	28.30 0.82 0.00	25.73 0.89 0.00	23.55 0.84 0.00	21.97 0.78 0.00	25.01 0.82 0.00	28.91 0.65 0.00	34.62 0.78 0.00	39.92 0.90 0.00	40.36 0.67 0.00	37.54 0.41 0.00	36.60 0.33 0.00	34.81 0.21 0.00	34.05 0.14 0.00	33.17 0.26 0.00	32.67 0.29 0.00	32.86 0.33 0.00	34.67 0.38 0.00	39.99 0.63 0.00	41.76 0.70 0.00	44.54 0.79 0.00	45.87 0.72 0.00	40.52 0.64 0.00	34.77 0.58 0.00	31.82 0.68 0.00
HUNTINGTON_RES_REC 323705	32.18 2.03 -2.67	29.33 1.91 -2.57	27.12 1.79 -2.62	25.40 1.57 -2.65	28.24 1.74 -2.31	32.36 1.72 -2.38	38.93 2.20 -2.89	43.50 2.69 -1.78	44.07 2.58 -1.81	41.86 2.64 -2.10	40.65 2.32 -2.06	39.24 2.39 -2.25	38.57 2.34 -2.32	37.35 2.34 -2.10	36.58 2.27 -1.93	36.82 2.31 -1.97	38.84 2.43 -2.12	44.10 2.71 -2.02	47.80 2.63 -4.11	52.05 2.84 -5.45	51.79 2.85 -3.80	43.52 2.31 -1.33	38.02 2.12 -1.70	34.90 1.90 -1.87
HUNTLEY___63 23557	26.29 -1.18 0.00	23.52 -1.32 0.00	21.46 -1.25 0.00	20.25 -0.93 0.00	22.71 -1.48 0.00	26.19 -2.06 0.00	30.93 -2.91 0.00	35.08 -3.94 0.00	36.04 -3.65 0.00	33.27 -3.86 0.00	32.39 -3.88 0.00	31.11 -3.50 0.00	30.25 -3.66 0.00	29.15 -3.75 0.00	28.53 -3.85 0.00	28.72 -3.81 0.01	30.45 -3.84 0.00	35.07 -4.29 0.00	37.16 -3.90 0.00	39.47 -4.29 0.00	41.22 -3.93 0.00	36.49 -3.39 0.00	31.15 -3.04 0.00	28.49 -2.65 0.00
HUNTLEY___64 23558	26.29 -1.18 0.00	23.52 -1.32 0.00	21.46 -1.25 0.00	20.25 -0.93 0.00	22.71 -1.48 0.00	26.19 -2.06 0.00	30.93 -2.91 0.00	35.08 -3.94 0.00	36.04 -3.65 0.00	33.27 -3.86 0.00	32.39 -3.88 0.00	31.11 -3.50 0.00	30.25 -3.66 0.00	29.15 -3.75 0.00	28.53 -3.85 0.00	28.72 -3.81 0.01	30.45 -3.84 0.00	35.07 -4.29 0.00	37.16 -3.90 0.00	39.47 -4.29 0.00	41.22 -3.93 0.00	36.49 -3.39 0.00	31.15 -3.04 0.00	28.49 -2.65 0.00
HUNTLEY___65 23559	26.29 -1.18 0.00	23.52 -1.32 0.00	21.46 -1.25 0.00	20.25 -0.93 0.00	22.71 -1.48 0.00	26.19 -2.06 0.00	30.93 -2.91 0.00	35.08 -3.94 0.00	36.04 -3.65 0.00	33.27 -3.86 0.00	32.39 -3.88 0.00	31.11 -3.50 0.00	30.25 -3.66 0.00	29.15 -3.75 0.00	28.53 -3.85 0.00	28.72 -3.81 0.01	30.45 -3.84 0.00	35.07 -4.29 0.00	37.16 -3.90 0.00	39.47 -4.29 0.00	41.22 -3.93 0.00	36.49 -3.39 0.00	31.15 -3.04 0.00	28.49 -2.65 0.00
HUNTLEY___66 23560	26.29 -1.18 0.00	23.52 -1.32 0.00	21.46 -1.25 0.00	20.25 -0.93 0.00	22.71 -1.48 0.00	26.19 -2.06 0.00	30.93 -2.91 0.00	35.08 -3.94 0.00	36.04 -3.65 0.00	33.27 -3.86 0.00	32.39 -3.88 0.00	31.11 -3.50 0.00	30.25 -3.66 0.00	29.15 -3.75 0.00	28.53 -3.85 0.00	28.72 -3.81 0.01	30.45 -3.84 0.00	35.07 -4.29 0.00	37.16 -3.90 0.00	39.47 -4.29 0.00	41.22 -3.93 0.00	36.49 -3.39 0.00	31.15 -3.04 0.00	28.49 -2.65 0.00
HUNTLEY___67 23561	26.21 -1.26 0.00	23.42 -1.42 0.00	21.39 -1.32 0.00	20.17 -1.02 0.00	22.64 -1.55 0.00	26.14 -2.12 0.00	30.86 -2.98 0.00	35.01 -4.02 0.00	35.92 -3.77 0.00	33.19 -3.94 0.00	32.32 -3.95 0.00	31.04 -3.56 0.00	30.18 -3.73 0.00	29.09 -3.82 0.00	28.46 -3.92 0.00	28.69 -3.84 0.01	30.38 -3.91 0.00	34.99 -4.37 0.00	37.04 -4.02 0.00	39.38 -4.38 0.00	41.09 -4.06 0.00	36.37 -3.51 0.00	31.08 -3.11 0.00	28.46 -2.68 0.00
HUNTLEY___68 23562	26.21 -1.26 0.00	23.42 -1.42 0.00	21.39 -1.32 0.00	20.17 -1.02 0.00	22.64 -1.55 0.00	26.14 -2.12 0.00	30.86 -2.98 0.00	35.01 -4.02 0.00	35.92 -3.77 0.00	33.19 -3.94 0.00	32.32 -3.95 0.00	31.04 -3.56 0.00	30.18 -3.73 0.00	29.09 -3.82 0.00	28.46 -3.92 0.00	28.69 -3.84 0.01	30.38 -3.91 0.00	34.99 -4.37 0.00	37.04 -4.02 0.00	39.38 -4.38 0.00	41.09 -4.06 0.00	36.37 -3.51 0.00	31.08 -3.11 0.00	28.46 -2.68 0.00



HYLAND___LFGE 323620	27.78 0.30 0.00	24.89 0.05 0.00	22.71 0.00 0.00	21.35 0.17 0.00	24.05 -0.14 0.00	27.86 -0.40 0.00	33.23 -0.61 0.00	37.89 -1.13 0.00	38.38 -1.31 0.00	35.09 -2.04 0.00	33.84 -2.43 0.00	32.32 -2.29 0.00	31.33 -2.58 0.00	30.14 -2.76 0.00	29.63 -2.75 0.00	30.05 -2.47 0.01	32.13 -2.16 0.00	37.47 -1.89 0.00	39.92 -1.15 0.00	43.01 -0.74 0.00	45.10 -0.05 0.00	39.80 -0.08 0.00	33.68 -0.51 0.00	30.39 -0.75 0.00
INDECK___CORINTH 23802	28.74 1.26 0.00	25.96 1.12 0.00	23.75 1.05 0.00	22.12 0.93 0.00	25.18 0.99 0.00	29.36 1.10 0.00	35.26 1.42 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.57 1.45 0.00	37.76 1.49 0.00	35.96 1.35 0.00	35.10 1.19 0.00	34.16 1.25 0.00	33.58 1.20 0.00	33.55 1.01 0.00	35.29 1.00 0.00	40.54 1.18 0.00	42.42 1.35 0.00	45.11 1.36 0.00	46.91 1.76 0.00	41.31 1.43 0.00	35.46 1.27 0.00	32.29 1.15 0.00
INDECK___ILION 23567	27.45 -0.03 0.00	24.87 0.02 0.00	22.77 0.07 0.00	21.27 0.08 0.00	24.29 0.10 0.00	28.31 0.06 0.00	33.94 0.10 0.00	39.14 0.12 0.00	39.81 0.12 0.00	37.24 0.11 0.00	36.42 0.15 0.00	34.71 0.10 0.00	34.01 0.10 0.00	33.00 0.10 0.00	32.48 0.10 0.00	32.64 0.10 0.00	34.36 0.07 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.75 0.00 0.00	45.15 0.00 0.00	39.84 -0.04 0.00	34.16 -0.03 0.00	31.10 -0.03 0.00
INDECK___OLEAN 23982	26.98 -0.49 0.00	24.19 -0.65 0.00	22.12 -0.59 0.00	20.85 -0.34 0.00	23.39 -0.80 0.00	27.04 -1.21 0.00	32.12 -1.72 0.00	36.69 -2.34 0.00	37.26 -2.42 0.00	34.53 -2.60 0.00	33.62 -2.65 0.00	32.22 -2.39 0.00	31.26 -2.64 0.00	30.17 -2.73 0.00	29.50 -2.88 0.00	29.63 -2.90 0.01	31.48 -2.81 0.00	36.33 -3.03 0.00	38.31 -2.75 0.00	40.95 -2.80 0.00	42.80 -2.35 0.00	37.97 -1.91 0.00	32.28 -1.91 0.00	29.30 -1.84 0.00
INDECK___OSWEGO 23783	26.43 -1.04 0.00	23.85 -0.99 0.00	21.82 -0.89 0.00	20.38 -0.81 0.00	23.20 -0.99 0.00	26.96 -1.30 0.00	32.35 -1.49 0.00	37.23 -1.79 0.00	37.94 -1.75 0.00	35.42 -1.71 0.00	34.57 -1.70 0.00	32.98 -1.63 0.00	32.25 -1.66 0.00	31.23 -1.68 0.00	30.73 -1.65 0.00	30.98 -1.56 0.00	32.61 -1.68 0.00	37.47 -1.89 0.00	39.22 -1.85 0.00	41.87 -1.88 0.00	43.30 -1.85 0.00	38.21 -1.67 0.00	32.72 -1.47 0.00	29.77 -1.37 0.00
INDECK___YERKES 23781	26.27 -1.21 0.00	23.55 -1.29 0.00	21.48 -1.23 0.00	20.32 -0.87 0.00	22.74 -1.45 0.00	26.22 -2.03 0.00	30.97 -2.88 0.00	35.09 -3.94 0.00	36.12 -3.57 0.00	33.30 -3.82 0.00	32.46 -3.81 0.00	31.15 -3.46 0.00	30.28 -3.63 0.00	29.19 -3.72 0.00	28.56 -3.82 0.00	28.76 -3.77 0.01	30.48 -3.81 0.00	35.31 -4.05 0.00	37.20 -3.86 0.00	39.60 -4.16 0.00	41.27 -3.88 0.00	36.53 -3.35 0.00	31.15 -3.04 0.00	28.52 -2.62 0.00
INDIAN POINT_GT_1 24139	28.82 1.35 0.00	26.06 1.22 0.00	23.84 1.14 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.27 1.02 0.00	35.20 1.35 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.95 1.82 0.00	37.94 1.67 0.00	36.23 1.63 0.00	35.57 1.66 0.00	34.55 1.65 0.00	34.06 1.68 0.00	34.26 1.72 0.00	36.08 1.78 0.00	41.29 1.93 0.00	42.91 1.85 0.00	45.72 1.97 0.00	47.18 2.03 0.00	41.43 1.56 0.00	35.56 1.37 0.00	32.38 1.25 0.00
INDIAN POINT_GT_2 23659	28.82 1.35 0.00	26.06 1.22 0.00	23.84 1.14 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.27 1.02 0.00	35.20 1.35 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.95 1.82 0.00	37.94 1.67 0.00	36.23 1.63 0.00	35.57 1.66 0.00	34.55 1.65 0.00	34.06 1.68 0.00	34.26 1.72 0.00	36.08 1.78 0.00	41.29 1.93 0.00	42.91 1.85 0.00	45.72 1.97 0.00	47.18 2.03 0.00	41.43 1.56 0.00	35.56 1.37 0.00	32.38 1.25 0.00
INDIAN POINT_GT_3 24019	28.82 1.35 0.00	26.06 1.22 0.00	23.84 1.14 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.27 1.02 0.00	35.20 1.35 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.95 1.82 0.00	37.94 1.67 0.00	36.23 1.63 0.00	35.57 1.66 0.00	34.55 1.65 0.00	34.06 1.68 0.00	34.26 1.72 0.00	36.08 1.78 0.00	41.29 1.93 0.00	42.91 1.85 0.00	45.72 1.97 0.00	47.18 2.03 0.00	41.43 1.56 0.00	35.56 1.37 0.00	32.38 1.25 0.00
INDIAN POINT___2 23530	28.74 1.26 0.00	26.06 1.22 0.00	23.82 1.11 0.00	22.12 0.93 0.00	25.21 1.02 0.00	29.24 0.99 0.00	35.16 1.32 0.00	40.74 1.72 0.00	41.31 1.63 0.00	38.91 1.78 0.00	37.90 1.63 0.00	36.23 1.63 0.00	35.54 1.63 0.00	34.52 1.61 0.00	34.03 1.65 0.00	34.20 1.66 0.00	36.04 1.75 0.00	41.21 1.85 0.00	42.87 1.80 0.00	45.73 1.97 0.00	47.13 1.98 0.00	41.35 1.48 0.00	35.52 1.33 0.00	32.35 1.21 0.00
INDIAN POINT___3 23531	28.82 1.35 0.00	26.06 1.22 0.00	23.82 1.11 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.24 0.99 0.00	35.16 1.32 0.00	40.74 1.72 0.00	41.35 1.67 0.00	38.91 1.78 0.00	37.90 1.63 0.00	36.23 1.63 0.00	35.54 1.63 0.00	34.52 1.61 0.00	34.03 1.65 0.00	34.23 1.69 0.00	36.04 1.75 0.00	41.25 1.89 0.00	42.87 1.81 0.00	45.68 1.93 0.00	47.14 1.99 0.00	41.39 1.52 0.00	35.53 1.33 0.00	32.35 1.21 0.00
INGHAM_C_115KV_TB7 356103	27.36 -0.11 0.00	24.82 -0.02 0.00	22.73 0.02 0.00	21.25 0.06 0.00	24.29 0.10 0.00	28.34 0.08 0.00	33.98 0.14 0.00	39.18 0.16 0.00	39.85 0.16 0.00	37.31 0.19 0.00	36.49 0.22 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.07 0.16 0.00	32.54 0.16 0.00	32.70 0.16 0.00	34.39 0.10 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	39.80 -0.08 0.00	34.12 -0.07 0.00	31.07 -0.06 0.00
IP CORINTH___1 23988	28.74 1.26 0.00	25.96 1.12 0.00	23.75 1.04 0.00	22.12 0.93 0.00	25.18 0.99 0.00	29.36 1.10 0.00	35.26 1.42 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.58 1.45 0.00	37.76 1.49 0.00	35.96 1.35 0.00	35.10 1.19 0.00	34.16 1.25 0.00	33.58 1.20 0.00	33.55 1.01 0.00	35.29 0.99 0.00	40.54 1.18 0.00	42.42 1.36 0.00	45.11 1.36 0.00	46.91 1.76 0.00	41.31 1.44 0.00	35.46 1.27 0.00	32.29 1.15 0.00
IP___TICONDEROGA 23804	29.31 1.84 0.00	26.36 1.52 0.00	24.11 1.41 0.00	22.41 1.23 0.00	25.52 1.33 0.00	29.95 1.70 0.00	35.97 2.13 0.00	41.76 2.73 0.00	42.27 2.58 0.00	39.21 2.08 0.00	38.27 1.99 0.00	36.44 1.83 0.00	35.47 1.56 0.00	34.55 1.65 0.00	34.00 1.62 0.00	34.10 1.56 0.00	35.94 1.65 0.00	41.37 2.01 0.00	43.57 2.51 0.00	46.34 2.58 0.00	48.13 2.98 0.00	42.27 2.39 0.00	36.24 2.05 0.00	32.91 1.77 0.00
ISLIP_RES_REC 323679	32.76 2.53 -2.76	29.85 2.36 -2.65	27.63 2.23 -2.70	25.87 1.95 -2.73	28.75 2.18 -2.38	32.85 2.15 -2.45	39.63 2.78 -3.01	44.24 3.36 -1.86	44.87 3.29 -1.89	42.58 3.27 -2.19	41.33 2.90 -2.16	39.90 2.94 -2.35	39.26 2.92 -2.43	37.96 2.86 -2.19	37.08 2.69 -2.01	37.35 2.76 -2.05	39.32 2.84 -2.18	44.84 3.39 -2.09	48.54 3.24 -4.23	52.91 3.54 -5.62	52.63 3.57 -3.92	44.22 2.95 -1.39	38.53 2.57 -1.77	35.37 2.30 -1.93



JAMAICA__27_KV_LOAD 355505	29.05 1.46 -0.12	26.13 1.29 0.00	23.89 1.18 0.00	22.16 0.97 0.00	25.25 1.06 0.00	29.36 1.10 0.00	35.78 1.35 -0.59	41.16 1.80 -0.34	41.78 1.75 -0.35	39.41 1.89 -0.39	38.55 1.74 -0.54	36.88 1.73 -0.54	36.21 1.76 -0.54	35.02 1.74 -0.37	34.45 1.81 -0.26	35.00 2.18 -0.28	36.59 2.30 0.00	41.88 2.52 0.00	43.41 2.34 0.00	46.20 2.45 0.00	47.50 2.35 0.00	42.01 1.83 -0.30	36.06 1.64 -0.23	32.69 1.40 -0.15
JANIS__SOLAR 323808	28.35 0.88 0.00	25.56 0.72 0.00	23.39 0.68 0.00	21.88 0.70 0.00	24.96 0.77 0.00	29.02 0.76 0.00	34.89 1.05 0.00	40.08 1.05 0.00	40.64 0.95 0.00	37.80 0.67 0.00	36.74 0.47 0.00	34.85 0.24 0.00	34.08 0.17 0.00	32.94 0.03 0.00	32.48 0.10 0.00	32.85 0.29 -0.02	34.77 0.48 0.00	40.03 0.67 0.00	42.13 1.07 0.00	44.98 1.22 0.00	46.64 1.49 0.00	41.15 1.28 0.00	35.15 0.96 0.00	31.85 0.72 0.00
JARVIS____ 23743	27.50 0.03 0.00	24.89 0.05 0.00	22.77 0.07 0.00	21.23 0.04 0.00	24.24 0.05 0.00	28.23 -0.03 0.00	33.81 -0.03 0.00	38.99 -0.04 0.00	39.65 -0.04 0.00	37.05 -0.07 0.00	36.23 -0.04 0.00	34.54 -0.07 0.00	33.84 -0.07 0.00	32.84 -0.07 0.00	32.32 -0.06 0.00	32.47 -0.06 0.00	34.22 -0.07 0.00	39.29 -0.08 0.00	40.98 -0.08 0.00	43.67 -0.09 0.00	45.06 -0.09 0.00	39.76 -0.12 0.00	34.09 -0.10 0.00	31.07 -0.06 0.00
JENNISON____1 23625	28.57 1.10 0.00	25.76 0.92 0.00	23.59 0.89 0.00	22.08 0.89 0.00	25.21 1.02 0.00	29.27 1.02 0.00	35.16 1.32 0.00	40.43 1.40 0.00	41.16 1.47 0.00	38.43 1.30 0.00	37.47 1.20 0.00	35.51 0.90 0.00	34.72 0.81 0.00	33.63 0.72 0.00	33.09 0.71 0.00	33.39 0.85 0.00	35.29 0.99 0.00	40.47 1.10 0.00	42.42 1.36 0.00	45.07 1.31 0.00	46.77 1.63 0.00	41.23 1.36 0.00	35.25 1.06 0.00	31.98 0.84 0.00
JENNISON____2 23626	28.57 1.10 0.00	25.76 0.92 0.00	23.59 0.89 0.00	22.08 0.89 0.00	25.21 1.02 0.00	29.27 1.02 0.00	35.16 1.32 0.00	40.43 1.40 0.00	41.16 1.47 0.00	38.43 1.30 0.00	37.47 1.20 0.00	35.51 0.90 0.00	34.72 0.81 0.00	33.63 0.72 0.00	33.09 0.71 0.00	33.39 0.85 0.00	35.29 0.99 0.00	40.47 1.10 0.00	42.42 1.36 0.00	45.07 1.31 0.00	46.77 1.63 0.00	41.23 1.36 0.00	35.25 1.06 0.00	31.98 0.84 0.00
JERICOHO_RISE_WT_PWR 323719	27.14 -0.33 0.00	24.54 -0.30 0.00	22.43 -0.27 0.00	21.02 -0.17 0.00	24.05 -0.14 0.00	28.45 0.20 0.00	33.94 0.10 0.00	39.30 0.28 0.00	40.04 0.36 0.00	37.46 0.33 0.00	36.63 0.36 0.00	34.92 0.31 0.00	34.35 0.44 0.00	33.30 0.40 0.00	32.74 0.36 0.00	32.83 0.29 0.00	34.77 0.48 0.00	39.87 0.51 0.00	41.60 0.53 0.00	44.24 0.48 0.00	45.73 0.59 0.00	40.51 0.64 0.00	34.77 0.58 0.00	31.51 0.37 0.00
KATONAH__115KV_46KV_TB4 355592	28.96 1.48 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.33 1.14 0.00	29.41 1.16 0.00	35.36 1.52 0.00	40.98 1.95 0.00	41.63 1.94 0.00	39.13 2.00 0.00	38.12 1.85 0.00	36.41 1.80 0.00	35.71 1.80 0.00	34.68 1.78 0.00	34.23 1.85 0.00	34.42 1.89 0.00	36.25 1.95 0.00	41.49 2.13 0.00	43.12 2.05 0.00	45.94 2.19 0.00	47.36 2.21 0.00	41.59 1.71 0.00	35.73 1.54 0.00	32.57 1.43 0.00
KCE_NY_1 323755	28.60 1.13 0.00	25.86 1.02 0.00	23.66 0.95 0.00	22.05 0.87 0.00	25.11 0.92 0.00	29.19 0.93 0.00	35.03 1.18 0.00	40.43 1.40 0.00	40.99 1.31 0.00	38.24 1.11 0.00	37.43 1.16 0.00	35.68 1.07 0.00	34.86 0.95 0.00	33.93 1.02 0.00	33.35 0.97 0.00	33.48 0.94 0.00	35.22 0.93 0.00	40.51 1.14 0.00	42.34 1.27 0.00	45.07 1.31 0.00	46.55 1.40 0.00	41.07 1.20 0.00	35.18 0.99 0.00	32.10 0.97 0.00
KCE_NY_6_ESR 323823	26.51 -0.96 0.00	23.75 -1.09 0.00	21.66 -1.04 0.00	20.47 -0.72 0.00	22.93 -1.26 0.00	26.50 -1.75 0.00	31.27 -2.57 0.00	35.55 -3.47 0.00	36.47 -3.21 0.00	33.68 -3.45 0.00	32.79 -3.48 0.00	31.46 -3.15 0.00	30.55 -3.36 0.00	29.45 -3.45 0.00	28.82 -3.56 0.00	29.01 -3.51 0.01	30.76 -3.53 0.00	35.62 -3.74 0.00	37.53 -3.53 0.00	39.99 -3.76 0.00	41.67 -3.48 0.00	36.93 -2.95 0.00	31.49 -2.70 0.00	28.77 -2.37 0.00
KEDC_PORT_JEFF_GT2 24210	32.30 2.36 -2.47	29.44 2.21 -2.39	27.23 2.09 -2.44	25.49 1.84 -2.46	28.37 2.03 -2.14	32.47 2.01 -2.21	39.01 2.57 -2.60	43.76 3.12 -1.61	44.37 3.06 -1.63	42.03 3.01 -1.90	40.79 2.68 -1.84	39.35 2.73 -2.01	38.71 2.71 -2.08	37.51 2.70 -1.90	36.67 2.53 -1.76	36.90 2.57 -1.79	38.90 2.64 -1.97	44.35 3.11 -1.88	47.88 3.00 -3.81	52.05 3.24 -5.06	51.93 3.25 -3.53	43.78 2.71 -1.19	38.10 2.36 -1.55	35.00 2.15 -1.71
KEDC_PORT_JEFF_GT3 24211	32.30 2.36 -2.47	29.44 2.21 -2.39	27.23 2.09 -2.44	25.49 1.84 -2.46	28.37 2.03 -2.14	32.47 2.01 -2.21	39.01 2.57 -2.60	43.76 3.12 -1.61	44.37 3.06 -1.63	42.03 3.01 -1.90	40.79 2.68 -1.84	39.35 2.73 -2.01	38.71 2.71 -2.08	37.51 2.70 -1.90	36.67 2.53 -1.76	36.90 2.57 -1.79	38.90 2.64 -1.97	44.35 3.11 -1.88	47.88 3.00 -3.81	52.05 3.24 -5.06	51.93 3.25 -3.53	43.78 2.71 -1.19	38.10 2.36 -1.55	35.00 2.15 -1.71
KEDC_GLWD_GT4 24219	43.90 1.76 -14.67	39.71 1.66 -13.21	37.70 1.54 -13.45	36.21 1.36 -13.67	37.59 1.50 -11.90	42.01 1.50 -12.26	55.89 1.93 -20.12	53.54 2.38 -12.14	54.50 2.34 -12.47	53.77 2.41 -14.23	53.90 2.25 -15.38	53.19 2.22 -16.37	52.91 2.24 -16.76	49.23 2.20 -14.12	46.81 2.23 -12.20	47.38 2.24 -12.60	47.51 2.36 -10.85	52.20 2.44 -10.40	64.67 2.42 -21.18	74.48 2.63 -28.10	67.36 2.62 -19.59	51.43 2.07 -9.48	46.84 1.91 -10.73	43.77 1.77 -10.86
KEDC_GLWD_GT5 24220	43.90 1.76 -14.67	39.71 1.66 -13.21	37.70 1.54 -13.45	36.21 1.36 -13.67	37.59 1.50 -11.90	42.01 1.50 -12.26	55.89 1.93 -20.12	53.54 2.38 -12.14	54.50 2.34 -12.47	53.77 2.41 -14.23	53.90 2.25 -15.38	53.19 2.22 -16.37	52.91 2.24 -16.76	49.23 2.20 -14.12	46.81 2.23 -12.20	47.38 2.24 -12.60	47.51 2.36 -10.85	52.20 2.44 -10.40	64.67 2.42 -21.18	74.48 2.63 -28.10	67.36 2.62 -19.59	51.43 2.07 -9.48	46.84 1.91 -10.73	43.77 1.77 -10.86
KENSICO____ 23655	28.90 1.43 0.00	26.13 1.29 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.33 1.07 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.51 1.83 0.00	39.06 1.93 0.00	38.05 1.78 0.00	36.37 1.76 0.00	35.71 1.80 0.00	34.68 1.78 0.00	34.19 1.81 0.00	34.36 1.82 0.00	36.21 1.92 0.00	41.45 2.09 0.00	43.08 2.01 0.00	45.85 2.10 0.00	47.32 2.17 0.00	41.55 1.67 0.00	35.66 1.47 0.00	32.47 1.34 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	28.98 1.51 0.00	26.21 1.37 0.00	23.93 1.23 0.00	22.25 1.06 0.00	25.38 1.19 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.06 2.03 0.00	41.67 1.98 0.00	39.10 1.97 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.55 1.65 0.00	34.06 1.68 0.00	34.26 1.72 0.00	36.18 1.89 0.00	41.49 2.13 0.00	43.16 2.09 0.00	46.03 2.28 0.00	47.54 2.39 0.00	41.71 1.83 0.00	35.80 1.61 0.00	32.63 1.49 0.00



KIAC_JFK_GT1 23816	28.91 1.32 -0.12	26.01 1.17 0.00	23.77 1.07 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.22 0.96 0.00	35.61 1.18 -0.59	40.92 1.56 -0.34	41.43 1.39 -0.35	39.23 1.71 -0.39	38.37 1.56 -0.54	36.70 1.56 -0.54	36.04 1.59 -0.54	34.89 1.61 -0.37	34.29 1.65 -0.26	34.81 1.98 -0.28	36.42 2.13 0.00	41.65 2.28 0.00	43.04 1.97 0.00	45.81 2.06 0.00	47.09 1.94 0.00	41.65 1.48 -0.30	35.85 1.44 -0.23	32.53 1.25 -0.15
KIAC_JFK_GT2 23817	28.91 1.32 -0.12	26.01 1.17 0.00	23.77 1.07 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.22 0.96 0.00	35.61 1.18 -0.59	40.92 1.56 -0.34	41.43 1.39 -0.35	39.23 1.71 -0.39	38.37 1.56 -0.54	36.70 1.56 -0.54	36.04 1.59 -0.54	34.89 1.61 -0.37	34.29 1.65 -0.26	34.81 1.98 -0.28	36.42 2.13 0.00	41.65 2.28 0.00	43.04 1.97 0.00	45.81 2.06 0.00	47.09 1.94 0.00	41.65 1.48 -0.30	35.85 1.44 -0.23	32.53 1.25 -0.15
KIAC_JFK____ 323774	28.83 1.24 -0.12	26.01 1.17 0.00	23.77 1.07 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.22 0.96 0.00	35.61 1.18 -0.59	40.92 1.56 -0.34	41.43 1.39 -0.35	39.23 1.71 -0.39	38.37 1.56 -0.54	36.70 1.56 -0.54	36.04 1.59 -0.54	34.89 1.61 -0.37	34.29 1.65 -0.26	34.84 2.02 -0.28	36.42 2.13 0.00	41.37 2.01 0.00	43.00 1.93 0.00	45.85 2.10 0.00	47.23 2.08 0.00	41.37 1.20 -0.30	35.41 0.99 -0.23	32.53 1.25 -0.15
KINTIGH__24_KV_GSU 356498	26.13 -1.35 0.00	23.40 -1.44 0.00	21.37 -1.34 0.00	20.15 -1.04 0.00	22.64 -1.55 0.00	26.19 -2.06 0.00	30.97 -2.88 0.00	35.16 -3.86 0.00	36.12 -3.57 0.00	33.45 -3.68 0.00	32.57 -3.70 0.00	31.32 -3.29 0.00	30.49 -3.42 0.00	29.39 -3.52 0.00	28.82 -3.56 0.00	29.08 -3.45 0.01	30.72 -3.57 0.00	35.51 -3.86 0.00	37.33 -3.74 0.00	39.77 -3.98 0.00	41.40 -3.75 0.00	36.57 -3.31 0.00	31.18 -3.01 0.00	28.58 -2.55 0.00
KINTIGH____ 23543	26.13 -1.35 0.00	23.40 -1.44 0.00	21.37 -1.34 0.00	20.11 -1.08 0.00	22.64 -1.55 0.00	26.16 -2.09 0.00	30.97 -2.88 0.00	35.16 -3.86 0.00	36.08 -3.61 0.00	33.45 -3.68 0.00	32.57 -3.70 0.00	31.32 -3.29 0.00	30.48 -3.42 0.00	29.38 -3.52 0.00	28.82 -3.56 0.00	29.05 -3.48 0.01	30.73 -3.57 0.00	35.35 -4.02 0.00	37.33 -3.74 0.00	39.69 -4.07 0.00	41.36 -3.79 0.00	36.57 -3.31 0.00	31.22 -2.97 0.00	28.58 -2.55 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	27.61 0.14 0.00	24.94 0.10 0.00	22.82 0.11 0.00	21.38 0.19 0.00	24.46 0.27 0.00	28.91 0.65 0.00	34.49 0.64 0.00	39.92 0.90 0.00	40.68 0.99 0.00	38.06 0.93 0.00	37.18 0.91 0.00	35.40 0.80 0.00	34.82 0.92 0.00	33.79 0.89 0.00	33.19 0.81 0.00	33.29 0.75 0.00	35.32 1.03 0.00	40.54 1.18 0.00	42.26 1.19 0.00	45.15 1.40 0.00	46.59 1.44 0.00	41.23 1.36 0.00	35.35 1.16 0.00	31.98 0.84 0.00
LACHUTE____HYDRO 323717	29.31 1.84 0.00	26.36 1.52 0.00	24.11 1.41 0.00	22.41 1.23 0.00	25.52 1.33 0.00	29.95 1.70 0.00	35.98 2.13 0.00	41.76 2.73 0.00	42.27 2.58 0.00	39.21 2.08 0.00	38.26 1.99 0.00	36.44 1.83 0.00	35.47 1.56 0.00	34.55 1.64 0.00	34.00 1.62 0.00	34.10 1.56 0.00	35.94 1.65 0.00	41.37 2.01 0.00	43.57 2.51 0.00	46.38 2.63 0.00	48.13 2.98 0.00	42.27 2.39 0.00	36.24 2.05 0.00	32.91 1.77 0.00
LAWRNCV_115KV_TB1 80681	27.09 -0.38 0.00	24.47 -0.37 0.00	22.37 -0.34 0.00	20.91 -0.28 0.00	23.97 -0.22 0.00	28.43 0.17 0.00	33.77 -0.07 0.00	39.06 0.04 0.00	39.73 0.04 0.00	37.13 0.00 0.00	36.27 0.00 0.00	34.50 -0.10 0.00	33.94 0.03 0.00	32.91 0.00 0.00	32.25 -0.13 0.00	32.21 -0.33 0.00	34.15 -0.14 0.00	39.21 -0.16 0.00	40.94 -0.12 0.00	43.58 -0.18 0.00	44.79 -0.36 0.00	40.04 0.16 0.00	34.50 0.31 0.00	31.20 0.06 0.00
LEDERLE____ 23769	28.90 1.43 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.36 1.10 0.00	35.33 1.49 0.00	40.94 1.91 0.00	41.51 1.83 0.00	39.10 1.97 0.00	38.08 1.81 0.00	36.37 1.76 0.00	35.67 1.76 0.00	34.68 1.78 0.00	34.19 1.81 0.00	34.36 1.82 0.00	36.21 1.92 0.00	41.41 2.05 0.00	43.04 1.97 0.00	45.85 2.10 0.00	47.32 2.17 0.00	41.51 1.64 0.00	35.63 1.44 0.00	32.44 1.31 0.00
LIGHTHSE_115KV_TB6 355974	26.68 -0.80 0.00	24.07 -0.77 0.00	22.03 -0.68 0.00	20.59 -0.59 0.00	23.54 -0.65 0.00	27.41 -0.85 0.00	32.93 -0.91 0.00	37.89 -1.13 0.00	38.58 -1.11 0.00	35.94 -1.19 0.00	35.04 -1.23 0.00	33.36 -1.25 0.00	32.62 -1.29 0.00	31.59 -1.32 0.00	31.09 -1.30 0.00	31.33 -1.20 0.00	33.06 -1.23 0.00	38.03 -1.34 0.00	39.92 -1.15 0.00	42.57 -1.18 0.00	44.07 -1.08 0.00	38.92 -0.96 0.00	33.37 -0.82 0.00	30.30 -0.84 0.00
LINDEN COGEN____ 23786	28.85 1.37 0.00	26.13 1.29 0.00	23.89 1.18 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.33 1.07 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.55 1.87 0.00	39.13 2.00 0.00	38.12 1.85 0.00	36.47 1.87 0.00	35.77 1.86 0.00	34.78 1.87 0.00	34.32 1.94 0.00	34.49 1.95 0.00	36.35 2.06 0.00	41.53 2.16 0.00	43.20 2.13 0.00	46.03 2.27 0.00	47.41 2.26 0.00	41.51 1.64 0.00	35.66 1.47 0.00	32.47 1.34 0.00
LINDHRST_69_KV_BK1 356055	37.69 2.47 -7.75	34.20 2.26 -7.10	32.02 2.09 -7.23	30.37 1.84 -7.34	32.64 2.06 -6.39	36.96 2.12 -6.59	46.58 2.67 -10.06	48.37 3.24 -6.10	49.11 3.17 -6.25	47.44 3.16 -7.16	46.72 2.87 -7.58	45.56 2.84 -8.11	45.05 2.81 -8.32	42.82 2.80 -7.12	41.37 2.75 -6.23	41.75 2.80 -6.42	43.07 2.95 -5.83	48.32 3.39 -5.57	55.78 3.37 -11.34	62.39 3.59 -15.05	59.34 3.70 -10.49	47.63 3.03 -4.72	42.28 2.60 -5.49	39.19 2.40 -5.66
LIPA_MISC_IPP 23656	32.19 2.39 -2.33	29.30 2.19 -2.27	27.11 2.09 -2.31	25.34 1.82 -2.33	28.25 2.03 -2.03	32.27 1.92 -2.09	38.72 2.47 -2.41	43.53 3.00 -1.50	44.13 2.94 -1.51	41.82 2.93 -1.76	40.53 2.58 -1.69	39.13 2.66 -1.85	38.47 2.64 -1.92	37.31 2.63 -1.77	36.39 2.36 -1.65	36.61 2.41 -1.67	38.59 2.43 -1.87	44.14 2.99 -1.78	47.43 2.75 -3.62	51.49 2.93 -4.80	51.47 2.98 -3.34	43.49 2.51 -1.10	37.80 2.15 -1.45	34.71 1.96 -1.61
LISF____SOLAR 323691	32.24 2.39 -2.38	29.39 2.24 -2.31	27.20 2.13 -2.36	25.43 1.86 -2.38	28.34 2.08 -2.07	32.37 1.98 -2.14	38.86 2.54 -2.48	43.65 3.08 -1.54	44.26 3.01 -1.56	41.94 3.01 -1.81	40.66 2.65 -1.74	39.25 2.73 -1.91	38.57 2.68 -1.98	37.39 2.66 -1.82	36.47 2.40 -1.69	36.72 2.47 -1.71	38.67 2.47 -1.90	44.21 3.03 -1.82	47.59 2.83 -3.69	51.76 3.11 -4.90	51.63 3.07 -3.41	43.60 2.59 -1.13	37.90 2.22 -1.49	34.81 2.02 -1.65
LITTLE FALLS____HYD 24013	27.36 -0.11 0.00	24.82 -0.02 0.00	22.73 0.02 0.00	21.25 0.06 0.00	24.29 0.10 0.00	28.34 0.08 0.00	33.98 0.14 0.00	39.18 0.16 0.00	39.85 0.16 0.00	37.31 0.19 0.00	36.49 0.22 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.07 0.16 0.00	32.54 0.16 0.00	32.70 0.16 0.00	34.39 0.10 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	39.80 -0.08 0.00	34.12 -0.07 0.00	31.07 -0.06 0.00



LITTLRIV_115KV_TB1 356100	27.42 -0.05 0.00	24.74 -0.10 0.00	22.62 -0.09 0.00	21.16 -0.02 0.00	24.29 0.10 0.00	28.82 0.57 0.00	34.25 0.41 0.00	39.53 0.51 0.00	40.12 0.44 0.00	37.43 0.30 0.00	36.52 0.25 0.00	34.68 0.07 0.00	34.11 0.20 0.00	33.10 0.20 0.00	32.45 0.06 0.00	32.44 -0.10 0.00	34.46 0.17 0.00	39.60 0.24 0.00	41.48 0.41 0.00	44.15 0.39 0.00	45.46 0.32 0.00	40.60 0.72 0.00	34.94 0.75 0.00	31.60 0.47 0.00
LI_NEWBRDGE___DRP 323616	29.63 1.79 -0.37	27.07 1.69 -0.54	24.85 1.59 -0.55	23.13 1.40 -0.54	26.19 1.52 -0.47	30.30 1.55 -0.49	35.35 1.93 0.42	41.13 2.30 0.20	41.67 2.22 0.24	39.20 2.30 0.23	37.87 2.10 0.50	36.22 2.08 0.47	35.53 2.07 0.45	34.78 2.07 0.20	34.42 2.07 0.04	34.52 2.05 0.07	36.90 2.16 -0.45	42.23 2.44 -0.43	44.29 2.38 -0.84	47.42 2.54 -1.12	48.55 2.62 -0.78	41.71 2.07 0.24	35.94 1.78 0.03	32.99 1.71 -0.14
LOCKPORT_115KV_TB60_63_64 80432	26.02 -1.46 0.00	23.25 -1.59 0.00	21.23 -1.48 0.00	20.02 -1.17 0.00	22.47 -1.72 0.00	25.94 -2.32 0.00	30.63 -3.21 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.03 -4.24 0.00	30.80 -3.81 0.00	29.94 -3.97 0.00	28.86 -4.05 0.00	28.24 -4.14 0.00	28.46 -4.07 0.01	30.14 -4.15 0.00	34.72 -4.64 0.00	36.79 -4.27 0.00	39.12 -4.64 0.00	40.86 -4.29 0.00	36.13 -3.75 0.00	30.84 -3.35 0.00	28.24 -2.90 0.00
LOCKPORT___CC1 323769	26.02 -1.46 0.00	23.28 -1.56 0.00	21.25 -1.45 0.00	20.08 -1.10 0.00	22.50 -1.69 0.00	25.97 -2.29 0.00	30.63 -3.22 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.06 -4.21 0.00	30.80 -3.81 0.00	29.94 -3.97 0.00	28.86 -4.05 0.00	28.24 -4.15 0.00	28.49 -4.04 0.01	30.14 -4.15 0.00	34.92 -4.45 0.00	36.84 -4.23 0.00	39.20 -4.55 0.00	40.86 -4.29 0.00	36.13 -3.75 0.00	30.84 -3.35 0.00	28.27 -2.86 0.00
LOCKPORT___CC2 323770	26.02 -1.46 0.00	23.28 -1.56 0.00	21.25 -1.45 0.00	20.08 -1.10 0.00	22.50 -1.69 0.00	25.97 -2.29 0.00	30.63 -3.22 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.06 -4.21 0.00	30.80 -3.81 0.00	29.94 -3.97 0.00	28.86 -4.05 0.00	28.24 -4.15 0.00	28.49 -4.04 0.01	30.14 -4.15 0.00	34.92 -4.45 0.00	36.84 -4.23 0.00	39.20 -4.55 0.00	40.86 -4.29 0.00	36.13 -3.75 0.00	30.84 -3.35 0.00	28.27 -2.86 0.00
LOCKPORT___CC3 323771	26.02 -1.46 0.00	23.28 -1.56 0.00	21.25 -1.45 0.00	20.08 -1.10 0.00	22.50 -1.69 0.00	25.97 -2.29 0.00	30.63 -3.22 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.06 -4.21 0.00	30.80 -3.81 0.00	29.94 -3.97 0.00	28.86 -4.05 0.00	28.24 -4.15 0.00	28.49 -4.04 0.01	30.14 -4.15 0.00	34.92 -4.45 0.00	36.84 -4.23 0.00	39.20 -4.55 0.00	40.86 -4.29 0.00	36.13 -3.75 0.00	30.84 -3.35 0.00	28.27 -2.86 0.00
LOCUSVLY_69_KV_BK2 55797	41.18 1.98 -11.72	37.28 1.81 -10.62	35.21 1.68 -10.82	33.64 1.46 -10.99	35.38 1.62 -9.57	39.75 1.64 -9.86	51.71 2.10 -15.77	51.13 2.58 -9.53	51.97 2.50 -9.78	50.90 2.60 -11.18	50.66 2.39 -12.00	49.75 2.35 -12.79	49.39 2.37 -13.10	46.37 2.37 -11.10	44.38 2.36 -9.64	44.85 2.38 -9.94	45.53 2.50 -8.73	50.44 2.72 -8.36	60.76 2.67 -17.03	69.15 2.80 -22.59	63.79 2.89 -15.75	49.61 2.31 -7.42	44.72 2.05 -8.48	41.67 1.90 -8.64
LONG_LAKE_PHOENIX 24014	26.59 -0.88 0.00	23.97 -0.87 0.00	21.93 -0.77 0.00	20.49 -0.70 0.00	23.30 -0.90 0.00	27.07 -1.19 0.00	32.45 -1.39 0.00	37.43 -1.60 0.00	38.10 -1.59 0.00	35.61 -1.52 0.00	34.75 -1.52 0.00	33.15 -1.45 0.00	32.42 -1.49 0.00	31.36 -1.55 0.00	30.89 -1.49 0.00	31.14 -1.40 0.00	32.78 -1.51 0.00	37.63 -1.73 0.00	39.38 -1.68 0.00	42.05 -1.71 0.00	43.48 -1.67 0.00	38.40 -1.48 0.00	32.86 -1.33 0.00	29.89 -1.25 0.00
LOVETT___3 23632	28.82 1.35 0.00	26.06 1.22 0.00	23.82 1.11 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.24 0.99 0.00	35.16 1.32 0.00	40.74 1.72 0.00	41.31 1.63 0.00	38.91 1.78 0.00	37.90 1.63 0.00	36.23 1.63 0.00	35.54 1.63 0.00	34.52 1.61 0.00	34.03 1.65 0.00	34.23 1.69 0.00	36.04 1.75 0.00	41.25 1.89 0.00	42.87 1.81 0.00	45.68 1.93 0.00	47.14 1.99 0.00	41.35 1.48 0.00	35.49 1.30 0.00	32.32 1.18 0.00
LOVETT___4 23642	28.82 1.35 0.00	26.06 1.22 0.00	23.82 1.11 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.24 0.99 0.00	35.16 1.32 0.00	40.74 1.72 0.00	41.31 1.63 0.00	38.91 1.78 0.00	37.90 1.63 0.00	36.23 1.63 0.00	35.54 1.63 0.00	34.52 1.61 0.00	34.03 1.65 0.00	34.23 1.69 0.00	36.04 1.75 0.00	41.25 1.89 0.00	42.87 1.81 0.00	45.68 1.93 0.00	47.14 1.99 0.00	41.35 1.48 0.00	35.49 1.30 0.00	32.32 1.18 0.00
LOVETT___5 23593	28.82 1.35 0.00	26.06 1.22 0.00	23.82 1.11 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.24 0.99 0.00	35.16 1.32 0.00	40.74 1.72 0.00	41.31 1.63 0.00	38.91 1.78 0.00	37.90 1.63 0.00	36.23 1.63 0.00	35.54 1.63 0.00	34.52 1.61 0.00	34.03 1.65 0.00	34.23 1.69 0.00	36.04 1.75 0.00	41.25 1.89 0.00	42.87 1.81 0.00	45.68 1.93 0.00	47.14 1.99 0.00	41.35 1.48 0.00	35.49 1.30 0.00	32.32 1.18 0.00
LOWER RAQUET___HYD 24057	27.03 -0.44 0.00	24.42 -0.42 0.00	22.30 -0.41 0.00	20.87 -0.32 0.00	23.95 -0.24 0.00	28.34 0.09 0.00	33.67 -0.17 0.00	38.91 -0.12 0.00	39.57 -0.12 0.00	36.98 -0.15 0.00	36.13 -0.14 0.00	34.33 -0.28 0.00	33.77 -0.14 0.00	32.77 -0.13 0.00	32.06 -0.32 0.00	32.02 -0.52 0.00	33.98 -0.31 0.00	39.01 -0.35 0.00	40.74 -0.33 0.00	43.10 -0.66 0.00	44.61 -0.54 0.00	39.88 0.00 0.00	34.36 0.17 0.00	31.07 -0.06 0.00
LOWER___HUDSON 24059	28.30 0.82 0.00	25.63 0.79 0.00	23.45 0.75 0.00	21.86 0.68 0.00	24.92 0.73 0.00	28.88 0.62 0.00	34.62 0.78 0.00	39.85 0.82 0.00	40.32 0.63 0.00	37.61 0.48 0.00	36.85 0.58 0.00	35.13 0.52 0.00	34.38 0.47 0.00	33.46 0.56 0.00	32.90 0.52 0.00	33.03 0.49 0.00	34.70 0.41 0.00	39.99 0.63 0.00	41.72 0.66 0.00	44.45 0.70 0.00	45.78 0.63 0.00	40.44 0.56 0.00	34.64 0.44 0.00	31.66 0.53 0.00
LOWVILLE_115KV_TB2 356335	27.06 -0.41 0.00	24.49 -0.35 0.00	22.48 -0.23 0.00	21.08 -0.11 0.00	24.41 0.22 0.00	28.57 0.31 0.00	34.21 0.37 0.00	39.34 0.31 0.00	40.00 0.32 0.00	37.24 0.11 0.00	36.31 0.04 0.00	34.40 -0.21 0.00	33.71 -0.20 0.00	32.71 -0.20 0.00	32.12 -0.26 0.00	32.34 -0.20 0.00	34.22 -0.07 0.00	39.44 0.08 0.00	41.35 0.29 0.00	44.02 0.26 0.00	45.55 0.41 0.00	40.28 0.40 0.00	34.53 0.34 0.00	31.29 0.16 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	28.57 1.10 0.00	25.86 1.02 0.00	23.66 0.95 0.00	22.03 0.85 0.00	25.11 0.92 0.00	29.19 0.93 0.00	35.03 1.18 0.00	40.39 1.37 0.00	40.96 1.27 0.00	38.24 1.11 0.00	37.39 1.12 0.00	35.65 1.04 0.00	34.86 0.95 0.00	33.93 1.02 0.00	33.35 0.97 0.00	33.45 0.91 0.00	35.22 0.93 0.00	40.47 1.10 0.00	42.30 1.23 0.00	45.02 1.27 0.00	46.55 1.40 0.00	41.03 1.16 0.00	35.18 0.99 0.00	32.10 0.97 0.00



LUTHERNY_35_KV_BK2 355980	28.60 1.13 0.00	25.86 1.02 0.00	23.66 0.95 0.00	22.05 0.87 0.00	25.11 0.92 0.00	29.19 0.93 0.00	35.03 1.18 0.00	40.43 1.40 0.00	41.00 1.31 0.00	38.24 1.11 0.00	37.43 1.16 0.00	35.68 1.07 0.00	34.86 0.95 0.00	33.93 1.02 0.00	33.35 0.97 0.00	33.48 0.94 0.00	35.22 0.93 0.00	40.51 1.14 0.00	42.34 1.27 0.00	45.07 1.31 0.00	46.55 1.40 0.00	41.03 1.16 0.00	35.18 0.99 0.00	32.10 0.97 0.00
LWR___OSWEGATCHIE_HYD 23850	26.81 -0.66 0.00	24.22 -0.62 0.00	22.18 -0.52 0.00	20.76 -0.42 0.00	23.92 -0.27 0.00	28.14 -0.11 0.00	33.61 -0.24 0.00	38.71 -0.31 0.00	39.37 -0.32 0.00	36.72 -0.41 0.00	35.84 -0.44 0.00	33.98 -0.62 0.00	33.37 -0.54 0.00	32.38 -0.53 0.00	31.73 -0.65 0.00	31.82 -0.72 0.00	33.71 -0.58 0.00	38.77 -0.59 0.00	40.61 -0.45 0.00	43.23 -0.53 0.00	44.61 -0.54 0.00	39.68 -0.20 0.00	34.12 -0.07 0.00	30.86 -0.28 0.00
LYONS_FALL_HYD 23570	27.39 -0.08 0.00	24.77 -0.07 0.00	22.71 0.00 0.00	21.25 0.06 0.00	24.48 0.29 0.00	28.60 0.34 0.00	34.28 0.44 0.00	39.46 0.43 0.00	40.12 0.44 0.00	37.42 0.30 0.00	36.53 0.26 0.00	34.64 0.03 0.00	33.94 0.03 0.00	32.94 0.03 0.00	32.38 0.00 0.00	32.57 0.03 0.00	34.43 0.14 0.00	39.64 0.28 0.00	41.48 0.41 0.00	44.10 0.35 0.00	45.69 0.54 0.00	40.36 0.48 0.00	34.57 0.38 0.00	31.36 0.22 0.00
MADISON___COUNTY_LFGE 323628	27.91 0.44 0.00	25.21 0.37 0.00	23.07 0.36 0.00	21.57 0.38 0.00	24.65 0.46 0.00	28.71 0.45 0.00	34.45 0.61 0.00	39.65 0.62 0.00	40.32 0.63 0.00	37.65 0.52 0.00	36.74 0.47 0.00	34.92 0.31 0.00	34.18 0.27 0.00	33.17 0.26 0.00	32.64 0.26 0.00	32.90 0.36 0.00	34.70 0.41 0.00	39.88 0.51 0.00	41.72 0.66 0.00	44.37 0.61 0.00	45.96 0.81 0.00	40.56 0.68 0.00	34.74 0.55 0.00	31.54 0.40 0.00
MALONE___115KV_TB1 356076	27.42 -0.05 0.00	24.77 -0.07 0.00	22.66 -0.05 0.00	21.23 0.04 0.00	24.31 0.12 0.00	28.76 0.51 0.00	34.25 0.41 0.00	39.69 0.66 0.00	40.40 0.71 0.00	37.80 0.67 0.00	36.92 0.65 0.00	35.16 0.55 0.00	34.59 0.68 0.00	33.56 0.66 0.00	32.90 0.52 0.00	32.96 0.42 0.00	34.98 0.69 0.00	40.15 0.79 0.00	41.89 0.82 0.00	44.72 0.96 0.00	46.10 0.95 0.00	40.92 1.04 0.00	35.08 0.89 0.00	31.73 0.59 0.00
MAPLEWOD_115KV_TB3 80458	28.08 0.60 0.00	25.51 0.67 0.00	23.36 0.66 0.00	21.78 0.59 0.00	24.80 0.60 0.00	28.65 0.40 0.00	34.28 0.44 0.00	39.53 0.51 0.00	40.04 0.36 0.00	37.39 0.26 0.00	36.63 0.36 0.00	34.92 0.31 0.00	34.18 0.27 0.00	33.27 0.36 0.00	32.74 0.36 0.00	32.90 0.36 0.00	34.60 0.31 0.00	39.80 0.43 0.00	41.48 0.41 0.00	44.15 0.39 0.00	45.46 0.32 0.00	40.16 0.28 0.00	34.43 0.24 0.00	31.48 0.34 0.00
MAPLE_RIDGE_WT_1 323574	27.14 -0.33 0.00	24.59 -0.25 0.00	22.52 -0.18 0.00	21.04 -0.15 0.00	24.05 -0.14 0.00	28.12 -0.14 0.00	33.67 -0.17 0.00	38.83 -0.19 0.00	39.53 -0.16 0.00	36.98 -0.15 0.00	36.16 -0.11 0.00	34.47 -0.14 0.00	33.81 -0.10 0.00	32.77 -0.13 0.00	32.22 -0.16 0.00	32.34 -0.19 0.00	34.05 -0.24 0.00	39.09 -0.27 0.00	40.74 -0.33 0.00	43.23 -0.52 0.00	44.79 -0.36 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	30.92 -0.22 0.00
MAPLE_RIDGE_WT_2 323611	27.14 -0.33 0.00	24.59 -0.25 0.00	22.52 -0.18 0.00	21.04 -0.15 0.00	24.05 -0.14 0.00	28.12 -0.14 0.00	33.67 -0.17 0.00	38.83 -0.19 0.00	39.53 -0.16 0.00	36.98 -0.15 0.00	36.16 -0.11 0.00	34.47 -0.14 0.00	33.81 -0.10 0.00	32.77 -0.13 0.00	32.22 -0.16 0.00	32.34 -0.19 0.00	34.05 -0.24 0.00	39.09 -0.27 0.00	40.74 -0.33 0.00	43.23 -0.52 0.00	44.79 -0.36 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	30.92 -0.22 0.00
MARBLE_RIVER_WT_PWR 323696	27.20 -0.27 0.00	24.59 -0.25 0.00	22.50 -0.20 0.00	21.06 -0.13 0.00	24.12 -0.07 0.00	28.51 0.25 0.00	34.01 0.17 0.00	39.34 0.31 0.00	40.08 0.40 0.00	37.50 0.37 0.00	36.71 0.44 0.00	34.95 0.35 0.00	34.38 0.47 0.00	33.37 0.46 0.00	32.77 0.39 0.00	32.86 0.33 0.00	34.81 0.52 0.00	39.95 0.59 0.00	41.64 0.57 0.00	44.32 0.57 0.00	45.78 0.63 0.00	40.60 0.72 0.00	34.84 0.65 0.00	31.57 0.44 0.00
MARSHVLE_115KV_TB1 80742	28.90 1.43 0.00	26.03 1.19 0.00	23.84 1.14 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.44 1.19 0.00	35.30 1.46 0.00	40.78 1.76 0.00	41.35 1.67 0.00	38.54 1.41 0.00	37.69 1.41 0.00	35.85 1.25 0.00	34.99 1.09 0.00	34.02 1.12 0.00	33.45 1.07 0.00	33.58 1.04 0.00	35.46 1.17 0.00	40.78 1.42 0.00	42.87 1.81 0.00	45.68 1.93 0.00	47.23 2.08 0.00	41.79 1.91 0.00	35.76 1.57 0.00	32.47 1.34 0.00
MARSH_HILL_WT_PWR 323713	27.20 -0.27 0.00	24.39 -0.45 0.00	22.25 -0.45 0.00	20.89 -0.30 0.00	23.49 -0.70 0.00	27.18 -1.07 0.00	32.22 -1.62 0.00	36.72 -2.30 0.00	37.31 -2.38 0.00	34.49 -2.64 0.00	33.40 -2.87 0.00	31.87 -2.73 0.00	30.93 -2.98 0.00	29.75 -3.16 0.00	29.17 -3.21 0.00	29.36 -3.16 0.02	31.17 -3.12 0.00	36.10 -3.27 0.00	38.15 -2.91 0.00	40.95 -2.80 0.00	42.67 -2.48 0.00	37.80 -2.08 0.00	32.24 -1.95 0.00	29.30 -1.84 0.00
MCINTYRE_115KV_TB2 80467	27.64 0.16 0.00	24.94 0.10 0.00	22.77 0.07 0.00	21.31 0.13 0.00	24.48 0.29 0.00	29.08 0.82 0.00	34.62 0.78 0.00	39.88 0.86 0.00	40.40 0.71 0.00	37.65 0.52 0.00	36.71 0.44 0.00	34.88 0.28 0.00	34.32 0.41 0.00	33.27 0.36 0.00	32.67 0.29 0.00	32.73 0.20 0.00	34.77 0.48 0.00	39.99 0.63 0.00	41.93 0.86 0.00	44.72 0.96 0.00	46.05 0.90 0.00	41.07 1.20 0.00	35.32 1.13 0.00	31.91 0.78 0.00
MECO_____69_KV_BK1 80468	29.12 1.65 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.37 1.19 0.00	25.50 1.31 0.00	29.75 1.50 0.00	35.67 1.83 0.00	41.25 2.22 0.00	41.79 2.10 0.00	38.87 1.75 0.00	37.94 1.67 0.00	36.13 1.52 0.00	35.27 1.36 0.00	34.29 1.38 0.00	33.71 1.33 0.00	33.94 1.40 0.00	35.87 1.58 0.00	41.29 1.93 0.00	43.41 2.34 0.00	46.25 2.49 0.00	47.77 2.62 0.00	42.15 2.27 0.00	36.04 1.85 0.00	32.75 1.62 0.00
MENANDS___115KV_TB5 355628	27.94 0.47 0.00	25.46 0.62 0.00	23.30 0.59 0.00	21.74 0.55 0.00	24.72 0.53 0.00	28.54 0.28 0.00	34.15 0.30 0.00	39.34 0.31 0.00	39.85 0.16 0.00	37.24 0.11 0.00	36.45 0.18 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.14 0.23 0.00	32.64 0.26 0.00	32.77 0.23 0.00	34.43 0.14 0.00	39.64 0.28 0.00	41.23 0.16 0.00	43.93 0.18 0.00	45.19 0.05 0.00	39.96 0.08 0.00	34.26 0.07 0.00	31.35 0.22 0.00
MG INDUSTRY___DRP 24185	27.97 0.49 0.00	25.44 0.60 0.00	23.30 0.59 0.00	21.74 0.55 0.00	24.72 0.53 0.00	28.57 0.31 0.00	34.18 0.34 0.00	39.38 0.35 0.00	39.93 0.24 0.00	37.28 0.15 0.00	36.45 0.18 0.00	34.75 0.14 0.00	34.01 0.10 0.00	33.10 0.20 0.00	32.58 0.19 0.00	32.77 0.23 0.00	34.46 0.17 0.00	39.64 0.28 0.00	41.31 0.25 0.00	44.02 0.26 0.00	45.33 0.18 0.00	40.08 0.20 0.00	34.40 0.21 0.00	31.45 0.31 0.00



MID___OSWEGATCHIE_HYD 23849	26.81 -0.66 0.00	24.22 -0.62 0.00	22.18 -0.52 0.00	20.76 -0.42 0.00	23.92 -0.27 0.00	28.14 -0.11 0.00	33.61 -0.24 0.00	38.71 -0.31 0.00	39.37 -0.32 0.00	36.72 -0.41 0.00	35.84 -0.44 0.00	33.98 -0.62 0.00	33.37 -0.54 0.00	32.38 -0.53 0.00	31.73 -0.65 0.00	31.82 -0.72 0.00	33.71 -0.58 0.00	38.77 -0.59 0.00	40.61 -0.45 0.00	43.23 -0.53 0.00	44.61 -0.54 0.00	39.68 -0.20 0.00	34.12 -0.07 0.00	30.86 -0.28 0.00
MID___RAQUETTE_HYD 23851	27.03 -0.44 0.00	24.42 -0.42 0.00	22.30 -0.41 0.00	20.87 -0.32 0.00	23.95 -0.24 0.00	28.34 0.08 0.00	33.67 -0.17 0.00	38.91 -0.12 0.00	39.57 -0.12 0.00	36.98 -0.15 0.00	36.13 -0.15 0.00	34.33 -0.28 0.00	33.77 -0.14 0.00	32.77 -0.13 0.00	32.06 -0.32 0.00	32.05 -0.49 0.00	33.98 -0.31 0.00	39.01 -0.35 0.00	40.74 -0.33 0.00	43.36 -0.39 0.00	44.61 -0.54 0.00	39.88 0.00 0.00	34.36 0.17 0.00	31.07 -0.06 0.00
MILLIKEN___1 23584	27.69 0.22 0.00	24.94 0.10 0.00	22.82 0.11 0.00	21.33 0.15 0.00	24.24 0.05 0.00	28.14 -0.11 0.00	33.81 -0.03 0.00	38.91 -0.12 0.00	39.57 -0.12 0.00	36.87 -0.26 0.00	35.94 -0.33 0.00	34.26 -0.35 0.00	33.47 -0.44 0.00	32.35 -0.56 0.00	31.86 -0.52 0.00	32.17 -0.39 -0.03	33.95 -0.34 0.00	39.01 -0.35 0.00	40.94 -0.12 0.00	43.75 0.00 0.00	45.33 0.18 0.00	40.04 0.16 0.00	34.19 0.00 0.00	31.04 -0.09 0.00
MILLIKEN___2 23585	27.69 0.22 0.00	24.94 0.10 0.00	22.82 0.11 0.00	21.33 0.15 0.00	24.24 0.05 0.00	28.14 -0.11 0.00	33.81 -0.03 0.00	38.91 -0.12 0.00	39.57 -0.12 0.00	36.87 -0.26 0.00	35.94 -0.33 0.00	34.26 -0.35 0.00	33.47 -0.44 0.00	32.35 -0.56 0.00	31.86 -0.52 0.00	32.17 -0.39 -0.03	33.95 -0.34 0.00	39.01 -0.35 0.00	40.94 -0.12 0.00	43.75 0.00 0.00	45.33 0.18 0.00	40.04 0.16 0.00	34.19 0.00 0.00	31.04 -0.09 0.00
MILLIKEN___DIESEL 23629	27.69 0.22 0.00	24.94 0.10 0.00	22.82 0.11 0.00	21.33 0.15 0.00	24.24 0.05 0.00	28.14 -0.11 0.00	33.81 -0.03 0.00	38.91 -0.12 0.00	39.57 -0.12 0.00	36.87 -0.26 0.00	35.94 -0.33 0.00	34.26 -0.35 0.00	33.47 -0.44 0.00	32.35 -0.56 0.00	31.86 -0.52 0.00	32.17 -0.39 -0.03	33.95 -0.34 0.00	39.01 -0.35 0.00	40.94 -0.12 0.00	43.75 0.00 0.00	45.33 0.18 0.00	40.04 0.16 0.00	34.19 0.00 0.00	31.04 -0.09 0.00
MILLSEAT___LFGE 323607	26.57 -0.91 0.00	23.77 -1.07 0.00	21.69 -1.02 0.00	20.49 -0.70 0.00	22.96 -1.23 0.00	26.56 -1.69 0.00	31.47 -2.37 0.00	35.79 -3.24 0.00	36.83 -2.86 0.00	34.01 -3.12 0.00	33.04 -3.23 0.00	31.80 -2.80 0.00	30.86 -3.05 0.00	29.75 -3.16 0.00	29.11 -3.27 0.00	29.47 -3.06 0.01	31.14 -3.15 0.00	36.02 -3.35 0.00	37.99 -3.08 0.00	40.52 -3.24 0.00	42.31 -2.84 0.00	37.37 -2.51 0.00	31.73 -2.46 0.00	28.89 -2.24 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	28.85 1.37 0.00	26.11 1.27 0.00	23.86 1.16 0.00	22.16 0.97 0.00	25.25 1.06 0.00	29.30 1.05 0.00	35.23 1.39 0.00	40.82 1.80 0.00	41.43 1.75 0.00	38.98 1.86 0.00	37.98 1.70 0.00	36.30 1.70 0.00	35.60 1.70 0.00	34.58 1.68 0.00	34.10 1.72 0.00	34.29 1.76 0.00	36.14 1.85 0.00	41.33 1.97 0.00	42.95 1.89 0.00	45.77 2.01 0.00	47.23 2.08 0.00	41.47 1.60 0.00	35.59 1.40 0.00	32.41 1.28 0.00
MILLWOOD_13_KV_LOAD 356217	28.90 1.43 0.00	26.13 1.29 0.00	23.89 1.18 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.36 1.10 0.00	35.30 1.46 0.00	40.90 1.87 0.00	41.51 1.83 0.00	39.06 1.93 0.00	38.05 1.78 0.00	36.34 1.73 0.00	35.67 1.76 0.00	34.65 1.74 0.00	34.16 1.78 0.00	34.36 1.82 0.00	36.21 1.92 0.00	41.41 2.05 0.00	43.04 1.97 0.00	45.85 2.10 0.00	47.27 2.12 0.00	41.51 1.64 0.00	35.66 1.47 0.00	32.47 1.34 0.00
MODEL_CITY_ENERGY 24167	25.74 -1.73 0.00	23.03 -1.81 0.00	21.03 -1.68 0.00	19.87 -1.31 0.00	22.25 -1.94 0.00	25.71 -2.54 0.00	30.29 -3.55 0.00	34.30 -4.72 0.00	35.28 -4.41 0.00	32.56 -4.57 0.00	31.70 -4.57 0.00	30.49 -4.12 0.00	29.64 -4.27 0.00	28.56 -4.34 0.00	27.95 -4.44 0.00	28.17 -4.36 0.01	29.83 -4.46 0.00	34.56 -4.80 0.00	36.43 -4.64 0.00	38.77 -4.99 0.00	40.41 -4.74 0.00	35.73 -4.15 0.00	30.50 -3.69 0.00	27.96 -3.18 0.00
MODERN_LFGE___ 323580	25.74 -1.73 0.00	23.03 -1.81 0.00	21.03 -1.68 0.00	19.87 -1.31 0.00	22.25 -1.94 0.00	25.71 -2.54 0.00	30.29 -3.55 0.00	34.30 -4.72 0.00	35.28 -4.41 0.00	32.56 -4.57 0.00	31.70 -4.57 0.00	30.49 -4.12 0.00	29.64 -4.27 0.00	28.56 -4.34 0.00	27.95 -4.44 0.00	28.17 -4.36 0.01	29.83 -4.46 0.00	34.56 -4.80 0.00	36.43 -4.64 0.00	38.77 -4.99 0.00	40.41 -4.74 0.00	35.73 -4.15 0.00	30.50 -3.69 0.00	27.96 -3.18 0.00
MOHAWK_PAPER___DRP 24187	28.08 0.60 0.00	25.51 0.67 0.00	23.36 0.66 0.00	21.78 0.59 0.00	24.80 0.60 0.00	28.65 0.40 0.00	34.28 0.44 0.00	39.53 0.51 0.00	40.04 0.36 0.00	37.39 0.26 0.00	36.63 0.36 0.00	34.92 0.31 0.00	34.18 0.27 0.00	33.27 0.36 0.00	32.74 0.36 0.00	32.90 0.36 0.00	34.60 0.31 0.00	39.80 0.43 0.00	41.48 0.41 0.00	44.15 0.39 0.00	45.46 0.32 0.00	40.16 0.28 0.00	34.43 0.24 0.00	31.48 0.34 0.00
MOHICAN___35_KV_115KV_LD 80490	28.79 1.32 0.00	26.01 1.17 0.00	23.80 1.09 0.00	22.16 0.97 0.00	25.23 1.04 0.00	29.41 1.16 0.00	35.33 1.49 0.00	40.86 1.83 0.00	41.43 1.75 0.00	38.61 1.49 0.00	37.79 1.52 0.00	35.99 1.38 0.00	35.13 1.22 0.00	34.19 1.28 0.00	33.61 1.23 0.00	33.61 1.07 0.00	35.39 1.10 0.00	40.66 1.30 0.00	42.59 1.52 0.00	45.29 1.53 0.00	47.00 1.85 0.00	41.39 1.52 0.00	35.53 1.33 0.00	32.35 1.21 0.00
MONGAUP___HYD 23641	28.65 1.18 0.00	25.98 1.14 0.00	23.73 1.02 0.00	22.08 0.89 0.00	25.18 0.99 0.00	29.24 0.99 0.00	35.16 1.32 0.00	40.63 1.60 0.00	41.16 1.47 0.00	38.50 1.37 0.00	37.47 1.20 0.00	35.71 1.11 0.00	35.03 1.12 0.00	33.83 0.92 0.00	33.35 0.97 0.00	33.55 1.01 0.00	35.46 1.17 0.00	40.31 0.94 0.00	42.01 0.95 0.00	44.94 1.18 0.00	46.32 1.17 0.00	40.72 0.84 0.00	35.25 1.06 0.00	32.13 1.00 0.00
MONTAUK___DIESEL 23721	32.70 2.88 -2.35	29.53 2.41 -2.28	27.19 2.16 -2.33	25.21 1.67 -2.35	28.10 1.86 -2.05	32.09 1.72 -2.11	38.64 2.37 -2.43	43.58 3.04 -1.51	44.27 3.06 -1.52	42.02 3.12 -1.77	40.44 2.47 -1.71	39.01 2.53 -1.87	38.32 2.48 -1.94	37.22 2.53 -1.78	36.34 2.30 -1.66	36.66 2.44 -1.68	38.54 2.37 -1.88	44.27 3.11 -1.80	47.29 2.59 -3.64	51.34 2.76 -4.83	51.54 3.02 -3.37	43.62 2.63 -1.11	37.81 2.15 -1.46	34.85 2.09 -1.62
MOONROAD_115KV_HARTFLD_TB1-2 355988	26.59 -0.88 0.00	23.72 -1.12 0.00	21.53 -1.18 0.00	20.25 -0.93 0.00	22.69 -1.50 0.00	26.19 -2.06 0.00	31.10 -2.74 0.00	35.47 -3.55 0.00	36.15 -3.53 0.00	33.34 -3.79 0.00	32.50 -3.77 0.00	31.18 -3.43 0.00	30.21 -3.70 0.00	29.12 -3.78 0.00	28.40 -3.98 0.00	28.53 -4.00 0.01	30.31 -3.98 0.00	34.95 -4.41 0.00	37.25 -3.82 0.00	39.77 -3.98 0.00	41.81 -3.34 0.00	37.25 -2.63 0.00	31.83 -2.36 0.00	28.96 -2.18 0.00



MORRIS_RIDGE___SOLAR 323848	26.87 -0.60 0.00	24.12 -0.72 0.00	22.03 -0.68 0.00	20.72 -0.47 0.00	23.30 -0.89 0.00	26.93 -1.33 0.00	31.85 -2.00 0.00	36.29 -2.73 0.00	37.03 -2.66 0.00	34.23 -2.90 0.00	33.26 -3.01 0.00	31.77 -2.84 0.00	30.82 -3.09 0.00	29.71 -3.19 0.00	29.11 -3.27 0.00	29.30 -3.22 0.01	31.07 -3.22 0.00	35.98 -3.39 0.00	37.94 -3.12 0.00	40.60 -3.15 0.00	42.31 -2.84 0.00	37.44 -2.43 0.00	32.04 -2.15 0.00	29.18 -1.96 0.00
MORTIMER_115KV_TB3 55949	26.59 -0.88 0.00	23.87 -0.97 0.00	21.80 -0.91 0.00	20.47 -0.72 0.00	23.10 -1.09 0.00	26.79 -1.47 0.00	31.91 -1.93 0.00	36.45 -2.58 0.00	37.42 -2.26 0.00	34.79 -2.34 0.00	33.88 -2.39 0.00	32.57 -2.04 0.00	31.71 -2.20 0.00	30.60 -2.30 0.00	30.05 -2.33 0.00	30.39 -2.15 0.00	31.99 -2.30 0.00	36.77 -2.60 0.00	38.68 -2.38 0.00	41.22 -2.54 0.00	42.89 -2.26 0.00	37.84 -2.03 0.00	32.21 -1.98 0.00	29.33 -1.81 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	29.04 1.57 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.58 1.97 0.00	35.88 1.97 0.00	34.88 1.97 0.00	34.39 2.01 0.00	34.59 2.05 0.00	36.45 2.16 0.00	41.73 2.36 0.00	43.32 2.26 0.00	46.12 2.36 0.00	47.54 2.39 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00
MUNSVILLE_WIND_PWR 323609	29.15 1.68 0.00	26.26 1.42 0.00	24.09 1.39 0.00	22.56 1.38 0.00	25.86 1.67 0.00	30.09 1.84 0.00	36.25 2.40 0.00	41.56 2.54 0.00	42.31 2.62 0.00	39.43 2.30 0.00	38.41 2.14 0.00	36.27 1.66 0.00	35.47 1.56 0.00	34.35 1.45 0.00	33.80 1.42 0.00	34.21 1.66 -0.01	36.21 1.92 0.00	41.53 2.16 0.00	43.65 2.59 0.00	46.34 2.58 0.00	48.13 2.98 0.00	42.35 2.47 0.00	36.21 2.02 0.00	32.75 1.62 0.00
N SALMON___HYD 24042	27.42 -0.05 0.00	24.77 -0.07 0.00	22.66 -0.05 0.00	21.23 0.04 0.00	24.31 0.12 0.00	28.76 0.51 0.00	34.25 0.41 0.00	39.69 0.66 0.00	40.40 0.72 0.00	37.80 0.67 0.00	36.92 0.65 0.00	35.16 0.55 0.00	34.59 0.68 0.00	33.56 0.66 0.00	32.90 0.52 0.00	32.96 0.42 0.00	34.98 0.69 0.00	40.15 0.79 0.00	41.89 0.82 0.00	44.58 0.83 0.00	46.10 0.95 0.00	40.91 1.04 0.00	35.08 0.89 0.00	31.73 0.59 0.00
N.AKRON__115KV_KNAPP 355671	26.51 -0.96 0.00	23.72 -1.12 0.00	21.64 -1.07 0.00	20.40 -0.78 0.00	22.91 -1.28 0.00	26.48 -1.78 0.00	31.37 -2.47 0.00	35.67 -3.36 0.00	36.67 -3.02 0.00	33.90 -3.23 0.00	32.90 -3.37 0.00	31.70 -2.91 0.00	30.76 -3.15 0.00	29.62 -3.29 0.00	29.01 -3.37 0.00	29.34 -3.19 0.01	31.03 -3.26 0.00	35.70 -3.66 0.00	37.82 -3.24 0.00	40.25 -3.50 0.00	42.08 -3.07 0.00	37.21 -2.67 0.00	31.63 -2.56 0.00	28.83 -2.30 0.00
N.E_GEN_SANDY PD 24062	31.70 0.91 -3.32	27.50 0.89 -1.77	26.70 0.86 -3.13	25.10 0.78 -3.13	26.20 0.82 -1.19	29.50 0.68 -0.57	37.00 0.88 -2.28	39.66 0.78 0.15	40.04 0.51 0.16	37.22 0.26 0.17	36.50 0.47 0.24	34.78 0.42 0.24	34.08 0.41 0.24	33.23 0.49 0.17	32.72 0.45 0.11	32.77 0.36 0.13	34.00 0.24 0.54	40.45 0.55 -0.54	41.60 0.53 0.00	44.32 0.57 0.00	45.60 0.45 0.00	40.19 0.44 0.13	34.40 0.31 0.10	31.54 0.47 0.06
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	28.87 1.40 0.00	26.11 1.27 0.00	23.86 1.16 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.30 1.05 0.00	35.23 1.39 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.98 1.86 0.00	37.98 1.70 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.58 1.68 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.33 1.97 0.00	42.91 1.85 0.00	45.72 1.97 0.00	47.23 2.08 0.00	41.39 1.52 0.00	35.53 1.33 0.00	32.35 1.21 0.00
N.QUEENS_27_KV_LOAD 356247	29.41 1.84 -0.10	26.53 1.69 0.00	24.25 1.54 0.00	22.52 1.33 0.00	25.64 1.45 0.00	29.56 1.30 0.00	36.04 1.69 -0.51	41.38 2.07 -0.29	41.90 1.90 -0.31	39.62 2.15 -0.33	38.69 1.96 -0.46	37.11 2.04 -0.47	36.44 2.07 -0.47	35.33 2.11 -0.32	34.77 2.17 -0.22	34.83 2.05 -0.24	36.45 2.16 0.00	41.69 2.32 0.00	43.20 2.14 0.00	46.03 2.28 0.00	47.41 2.26 0.00	41.77 1.64 -0.25	36.09 1.71 -0.19	32.97 1.71 -0.13
N.TROY___115KV_TB1 355778	28.27 0.80 0.00	25.64 0.79 0.00	23.46 0.75 0.00	21.86 0.68 0.00	24.92 0.73 0.00	28.88 0.62 0.00	34.62 0.78 0.00	39.85 0.82 0.00	40.32 0.63 0.00	37.57 0.45 0.00	36.85 0.58 0.00	35.13 0.52 0.00	34.38 0.47 0.00	33.47 0.56 0.00	32.90 0.52 0.00	33.03 0.49 0.00	34.70 0.41 0.00	39.99 0.63 0.00	41.72 0.66 0.00	44.41 0.66 0.00	45.78 0.63 0.00	40.40 0.52 0.00	34.64 0.44 0.00	31.67 0.53 0.00
NARROWS_GT1_1 24228	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT1_2 24229	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT1_3 24230	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT1_4 24231	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT1_5 24232	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01



NARROWS_GT1_6 24233	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT1_7 24234	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT1_8 24235	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT2_1 24236	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT2_2 24237	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT2_3 24238	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT2_4 24239	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT2_5 24240	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT2_6 24241	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT2_7 24242	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NARROWS_GT2_8 24243	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	28.30 0.82 0.00	25.73 0.89 0.00	23.55 0.84 0.00	21.97 0.78 0.00	25.01 0.82 0.00	28.91 0.65 0.00	34.62 0.78 0.00	39.92 0.90 0.00	40.36 0.67 0.00	37.54 0.41 0.00	36.60 0.33 0.00	34.81 0.21 0.00	34.05 0.14 0.00	33.17 0.26 0.00	32.67 0.29 0.00	32.86 0.33 0.00	34.67 0.38 0.00	39.99 0.63 0.00	41.76 0.70 0.00	44.54 0.79 0.00	45.87 0.72 0.00	40.52 0.64 0.00	34.77 0.58 0.00	31.82 0.68 0.00
NCHELSEA_115KV_TR2 355582	28.93 1.46 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.22 1.04 0.00	25.33 1.14 0.00	29.41 1.16 0.00	35.36 1.52 0.00	40.94 1.91 0.00	41.59 1.90 0.00	39.06 1.93 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.58 1.68 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.14 1.85 0.00	41.37 2.01 0.00	43.04 1.97 0.00	45.85 2.10 0.00	47.32 2.17 0.00	41.55 1.67 0.00	35.70 1.50 0.00	32.54 1.40 0.00
NEG CAPITAL___MECHNVIL 23645	28.63 1.15 0.00	25.88 1.04 0.00	23.68 0.98 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.22 0.96 0.00	35.06 1.22 0.00	40.43 1.40 0.00	40.99 1.31 0.00	38.24 1.11 0.00	37.43 1.16 0.00	35.68 1.07 0.00	34.89 0.98 0.00	33.96 1.05 0.00	33.39 1.00 0.00	33.51 0.98 0.00	35.25 0.96 0.00	40.54 1.18 0.00	42.38 1.31 0.00	45.11 1.36 0.00	46.55 1.40 0.00	41.07 1.20 0.00	35.18 0.99 0.00	32.10 0.97 0.00
NEG CENTRAL_HIGH_ACRES 23767	26.24 -1.24 0.00	23.57 -1.27 0.00	21.52 -1.18 0.00	20.19 -1.00 0.00	22.84 -1.35 0.00	26.48 -1.78 0.00	31.61 -2.23 0.00	36.22 -2.81 0.00	37.19 -2.50 0.00	34.60 -2.53 0.00	33.70 -2.57 0.00	32.36 -2.25 0.00	31.53 -2.37 0.00	30.44 -2.47 0.00	29.89 -2.49 0.00	30.22 -2.31 0.00	31.82 -2.47 0.00	36.65 -2.72 0.00	38.44 -2.63 0.00	41.00 -2.76 0.00	42.58 -2.57 0.00	37.56 -2.31 0.00	31.97 -2.22 0.00	29.08 -2.06 0.00



NEG CENTRAL___DRP 24199	27.09 -0.38 0.00	24.39 -0.45 0.00	22.27 -0.43 0.00	20.85 -0.34 0.00	23.66 -0.53 0.00	27.44 -0.82 0.00	32.89 -0.95 0.00	37.86 -1.17 0.00	38.54 -1.15 0.00	35.90 -1.23 0.00	34.96 -1.31 0.00	33.43 -1.18 0.00	32.62 -1.29 0.00	31.49 -1.41 0.00	30.99 -1.39 0.00	31.23 -1.30 0.01	32.95 -1.34 0.00	37.87 -1.50 0.00	39.79 -1.27 0.00	42.53 -1.23 0.00	44.11 -1.04 0.00	38.96 -0.92 0.00	33.23 -0.96 0.00	30.20 -0.93 0.00
NEG CENTRAL___INDECK 23768	27.50 0.03 0.00	24.67 -0.17 0.00	22.50 -0.20 0.00	21.16 -0.02 0.00	23.83 -0.36 0.00	27.61 -0.65 0.00	32.93 -0.91 0.00	37.58 -1.44 0.00	38.26 -1.43 0.00	35.27 -1.86 0.00	34.17 -2.10 0.00	32.70 -1.90 0.00	31.77 -2.14 0.00	30.57 -2.34 0.00	30.02 -2.36 0.00	30.38 -2.15 0.01	32.27 -2.02 0.00	37.44 -1.93 0.00	39.63 -1.44 0.00	42.53 -1.22 0.00	44.42 -0.72 0.00	39.24 -0.64 0.00	33.27 -0.92 0.00	30.11 -1.03 0.00
NEG CENTRAL___SENECA 23627	27.28 -0.19 0.00	24.49 -0.35 0.00	22.39 -0.32 0.00	20.97 -0.21 0.00	23.75 -0.44 0.00	27.55 -0.71 0.00	33.00 -0.85 0.00	37.89 -1.13 0.00	38.58 -1.11 0.00	35.90 -1.23 0.00	34.93 -1.34 0.00	33.40 -1.21 0.00	32.55 -1.36 0.00	31.39 -1.51 0.00	30.86 -1.52 0.00	31.13 -1.40 0.01	32.89 -1.41 0.00	37.83 -1.54 0.00	39.83 -1.23 0.00	42.57 -1.18 0.00	44.25 -0.90 0.00	39.08 -0.80 0.00	33.30 -0.89 0.00	30.23 -0.90 0.00
NEG CENTRAL___STATE_STREET 24147	27.09 -0.38 0.00	24.39 -0.45 0.00	22.30 -0.41 0.00	20.85 -0.34 0.00	23.68 -0.51 0.00	27.49 -0.76 0.00	33.03 -0.81 0.00	38.05 -0.98 0.00	38.77 -0.91 0.00	36.13 -1.00 0.00	35.22 -1.05 0.00	33.64 -0.97 0.00	32.89 -1.02 0.00	31.79 -1.12 0.00	31.28 -1.10 0.00	31.53 -1.01 0.00	33.23 -1.06 0.00	38.14 -1.22 0.00	40.04 -1.03 0.00	42.75 -1.01 0.00	44.29 -0.86 0.00	39.12 -0.76 0.00	33.41 -0.79 0.00	30.36 -0.78 0.00
NEG MILLWOOD___DRP 24198	29.01 1.54 0.00	26.21 1.37 0.00	23.96 1.25 0.00	22.25 1.06 0.00	25.38 1.19 0.00	29.50 1.24 0.00	35.50 1.66 0.00	41.13 2.11 0.00	41.79 2.10 0.00	39.24 2.12 0.00	38.19 1.92 0.00	36.44 1.83 0.00	35.74 1.83 0.00	34.72 1.81 0.00	34.26 1.88 0.00	34.46 1.92 0.00	36.32 2.02 0.00	41.57 2.20 0.00	43.24 2.18 0.00	46.07 2.32 0.00	47.50 2.35 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.66 1.53 0.00
NEG NORTH_FLCN_SEA 23793	27.53 0.05 0.00	24.89 0.05 0.00	22.77 0.07 0.00	21.33 0.15 0.00	24.41 0.22 0.00	28.85 0.59 0.00	34.38 0.54 0.00	39.81 0.78 0.00	40.56 0.87 0.00	37.94 0.82 0.00	37.10 0.83 0.00	35.37 0.76 0.00	34.79 0.88 0.00	33.76 0.86 0.00	33.16 0.78 0.00	33.25 0.72 0.00	35.22 0.93 0.00	40.43 1.06 0.00	42.13 1.07 0.00	44.98 1.23 0.00	46.41 1.26 0.00	41.07 1.20 0.00	35.25 1.06 0.00	31.91 0.78 0.00
NEG NORTH_KES_CHATEGAY 23792	27.23 -0.25 0.00	24.59 -0.25 0.00	22.50 -0.20 0.00	21.08 -0.11 0.00	24.12 -0.07 0.00	28.54 0.28 0.00	34.01 0.17 0.00	39.38 0.35 0.00	40.12 0.44 0.00	37.50 0.37 0.00	36.67 0.40 0.00	34.92 0.31 0.00	34.35 0.44 0.00	33.33 0.43 0.00	32.74 0.36 0.00	32.83 0.29 0.00	34.81 0.51 0.00	39.95 0.59 0.00	41.68 0.62 0.00	44.50 0.74 0.00	45.87 0.72 0.00	40.64 0.76 0.00	34.88 0.68 0.00	31.60 0.47 0.00
NEG NORTH___ALICE_FALLS 23915	27.61 0.14 0.00	24.94 0.10 0.00	22.82 0.11 0.00	21.38 0.19 0.00	24.46 0.27 0.00	28.91 0.65 0.00	34.49 0.64 0.00	39.92 0.90 0.00	40.68 0.99 0.00	38.06 0.93 0.00	37.18 0.91 0.00	35.40 0.80 0.00	34.82 0.92 0.00	33.79 0.89 0.00	33.19 0.81 0.00	33.29 0.75 0.00	35.32 1.03 0.00	40.54 1.18 0.00	42.26 1.19 0.00	45.15 1.40 0.00	46.59 1.44 0.00	41.23 1.36 0.00	35.35 1.16 0.00	31.98 0.84 0.00
NEG NORTH___LWR_SARANAC 23913	27.61 0.14 0.00	24.94 0.10 0.00	22.82 0.11 0.00	21.38 0.19 0.00	24.46 0.27 0.00	28.91 0.65 0.00	34.49 0.64 0.00	39.92 0.90 0.00	40.68 0.99 0.00	38.06 0.93 0.00	37.18 0.91 0.00	35.40 0.80 0.00	34.82 0.92 0.00	33.79 0.89 0.00	33.19 0.81 0.00	33.29 0.75 0.00	35.32 1.03 0.00	40.54 1.18 0.00	42.26 1.19 0.00	45.15 1.40 0.00	46.59 1.44 0.00	41.23 1.36 0.00	35.35 1.16 0.00	31.98 0.84 0.00
NEG NORTH___PLATTSBURG 23628	27.61 0.14 0.00	24.94 0.10 0.00	22.82 0.11 0.00	21.38 0.19 0.00	24.46 0.27 0.00	28.91 0.65 0.00	34.48 0.64 0.00	39.92 0.90 0.00	40.68 0.99 0.00	38.06 0.93 0.00	37.18 0.91 0.00	35.40 0.80 0.00	34.83 0.92 0.00	33.79 0.89 0.00	33.19 0.81 0.00	33.29 0.75 0.00	35.32 1.03 0.00	40.54 1.18 0.00	42.26 1.19 0.00	45.02 1.27 0.00	46.59 1.44 0.00	41.24 1.36 0.00	35.36 1.16 0.00	31.98 0.84 0.00
NEG WEST_LEA_LOCKPORT 23791	26.04 -1.43 0.00	23.28 -1.56 0.00	21.25 -1.45 0.00	20.04 -1.14 0.00	22.50 -1.69 0.00	25.97 -2.29 0.00	30.63 -3.21 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.03 -4.24 0.00	30.80 -3.81 0.00	29.94 -3.97 0.00	28.86 -4.05 0.00	28.24 -4.14 0.00	28.46 -4.07 0.01	30.18 -4.12 0.00	34.76 -4.61 0.00	36.79 -4.27 0.00	39.12 -4.64 0.00	40.86 -4.29 0.00	36.13 -3.75 0.00	30.88 -3.32 0.00	28.27 -2.86 0.00
NEG WEST___LANCASTR 23811	26.73 -0.74 0.00	23.92 -0.92 0.00	21.84 -0.86 0.00	20.57 -0.61 0.00	23.10 -1.09 0.00	26.70 -1.55 0.00	31.64 -2.20 0.00	36.14 -2.89 0.00	36.87 -2.82 0.00	34.16 -2.97 0.00	33.26 -3.01 0.00	31.87 -2.73 0.00	30.99 -2.92 0.00	29.88 -3.03 0.00	29.24 -3.14 0.00	29.40 -3.12 0.01	31.17 -3.12 0.00	35.86 -3.50 0.00	37.99 -3.08 0.00	40.43 -3.33 0.00	42.26 -2.89 0.00	37.45 -2.43 0.00	31.94 -2.26 0.00	28.99 -2.15 0.00
NEG_PENN_ALLEGHNY 23528	27.53 0.06 0.00	24.84 0.00 0.00	22.75 0.05 0.00	21.27 0.09 0.00	24.14 -0.05 0.00	27.97 -0.28 0.00	33.50 -0.34 0.00	38.56 -0.47 0.00	39.17 -0.52 0.00	36.61 -0.52 0.00	35.69 -0.58 0.00	34.05 -0.56 0.00	33.30 -0.61 0.00	32.21 -0.69 0.00	31.70 -0.68 0.00	31.88 -0.65 0.00	33.68 -0.62 0.00	38.66 -0.71 0.00	40.49 -0.57 0.00	43.27 -0.48 0.00	44.79 -0.36 0.00	39.56 -0.32 0.00	33.82 -0.38 0.00	30.76 -0.37 0.00
NEG___GEN_MONROE 24207	26.73 -0.74 0.00	24.00 -0.84 0.00	21.91 -0.79 0.00	20.57 -0.61 0.00	23.22 -0.97 0.00	26.90 -1.36 0.00	32.05 -1.79 0.00	36.57 -2.46 0.00	37.50 -2.18 0.00	34.79 -2.34 0.00	33.80 -2.47 0.00	32.50 -2.11 0.00	31.57 -2.34 0.00	30.37 -2.53 0.00	29.79 -2.59 0.00	30.09 -2.44 0.01	31.69 -2.61 0.00	36.45 -2.91 0.00	38.44 -2.63 0.00	40.95 -2.80 0.00	42.71 -2.44 0.00	37.73 -2.15 0.00	32.07 -2.12 0.00	29.21 -1.93 0.00
NEPA___ENERGY 23901	26.87 -0.60 0.00	24.05 -0.79 0.00	21.96 -0.75 0.00	20.68 -0.51 0.00	23.22 -0.97 0.00	26.81 -1.44 0.00	31.81 -2.03 0.00	36.18 -2.85 0.00	36.87 -2.82 0.00	34.16 -2.97 0.00	33.26 -3.01 0.00	31.91 -2.70 0.00	30.99 -2.92 0.00	29.88 -3.03 0.00	29.24 -3.14 0.00	29.40 -3.12 0.01	31.21 -3.09 0.00	35.90 -3.46 0.00	38.03 -3.04 0.00	40.52 -3.24 0.00	42.44 -2.71 0.00	37.61 -2.27 0.00	32.07 -2.12 0.00	29.21 -1.93 0.00



NEVERSINK___HYD 23608	29.07 1.59 0.00	26.36 1.52 0.00	24.07 1.36 0.00	22.39 1.21 0.00	25.57 1.38 0.00	29.70 1.44 0.00	35.67 1.83 0.00	41.25 2.22 0.00	41.91 2.22 0.00	39.32 2.19 0.00	38.23 1.96 0.00	36.37 1.76 0.00	35.54 1.63 0.00	34.45 1.55 0.00	33.94 1.55 0.00	34.13 1.59 0.00	36.04 1.75 0.00	41.33 1.97 0.00	43.00 1.93 0.00	45.94 2.19 0.00	47.41 2.26 0.00	41.59 1.71 0.00	35.73 1.54 0.00	32.57 1.43 0.00
NEWKRMKL_115KV_TB1 55635	27.83 0.36 0.00	25.36 0.52 0.00	23.23 0.52 0.00	21.67 0.49 0.00	24.65 0.46 0.00	28.43 0.17 0.00	33.98 0.14 0.00	39.18 0.16 0.00	39.73 0.04 0.00	37.13 0.00 0.00	36.34 0.07 0.00	34.68 0.07 0.00	33.94 0.03 0.00	33.07 0.16 0.00	32.54 0.16 0.00	32.70 0.16 0.00	34.36 0.07 0.00	39.48 0.12 0.00	41.11 0.04 0.00	43.75 0.00 0.00	45.01 -0.14 0.00	39.84 -0.04 0.00	34.16 -0.03 0.00	31.26 0.12 0.00
NEWTON___FALLS_HYD 23847	26.81 -0.66 0.00	24.22 -0.62 0.00	22.18 -0.52 0.00	20.76 -0.42 0.00	23.92 -0.27 0.00	28.14 -0.11 0.00	33.61 -0.24 0.00	38.71 -0.31 0.00	39.37 -0.32 0.00	36.72 -0.41 0.00	35.84 -0.44 0.00	33.98 -0.62 0.00	33.37 -0.54 0.00	32.38 -0.53 0.00	31.73 -0.65 0.00	31.82 -0.72 0.00	33.71 -0.58 0.00	38.77 -0.59 0.00	40.61 -0.45 0.00	43.23 -0.53 0.00	44.61 -0.54 0.00	39.68 -0.20 0.00	34.12 -0.07 0.00	30.86 -0.28 0.00
NGRID_A1_DSASP 323792	25.71 -1.76 0.00	23.08 -1.76 0.00	21.07 -1.64 0.00	19.92 -1.27 0.00	22.30 -1.89 0.00	25.68 -2.57 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.20 -4.48 0.00	32.49 -4.64 0.00	31.66 -4.61 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.52 -4.84 0.00	36.34 -4.72 0.00	38.68 -5.07 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.43 -3.76 0.00	27.96 -3.18 0.00
NGRID_A2_DSASP 323793	25.71 -1.76 0.00	23.08 -1.76 0.00	21.07 -1.64 0.00	19.92 -1.27 0.00	22.30 -1.89 0.00	25.68 -2.57 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.20 -4.48 0.00	32.49 -4.64 0.00	31.66 -4.61 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.52 -4.84 0.00	36.34 -4.72 0.00	38.68 -5.07 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.43 -3.76 0.00	27.96 -3.18 0.00
NGRID_A4_DSASP 323807	25.71 -1.76 0.00	23.08 -1.76 0.00	21.07 -1.64 0.00	19.92 -1.27 0.00	22.30 -1.89 0.00	25.68 -2.57 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.20 -4.48 0.00	32.49 -4.64 0.00	31.66 -4.61 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.52 -4.84 0.00	36.34 -4.72 0.00	38.68 -5.07 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.43 -3.76 0.00	27.96 -3.18 0.00
NIAGARA_115E_LBMP 323715	25.60 -1.87 0.00	22.90 -1.94 0.00	20.91 -1.79 0.00	19.74 -1.44 0.00	22.13 -2.06 0.00	25.57 -2.68 0.00	30.12 -3.72 0.00	34.07 -4.96 0.00	35.04 -4.64 0.00	32.34 -4.79 0.00	31.52 -4.75 0.00	30.28 -4.33 0.00	29.43 -4.48 0.00	28.36 -4.54 0.00	27.75 -4.63 0.00	28.01 -4.52 0.01	29.63 -4.66 0.00	34.32 -5.04 0.00	36.18 -4.89 0.00	38.50 -5.25 0.00	40.14 -5.01 0.00	35.49 -4.39 0.00	30.33 -3.86 0.00	27.80 -3.33 0.00
NIAGARA_115W_LBMP 323714	25.63 -1.84 0.00	23.00 -1.84 0.00	21.03 -1.68 0.00	19.85 -1.33 0.00	22.23 -1.96 0.00	25.60 -2.66 0.00	30.15 -3.69 0.00	34.07 -4.96 0.00	35.08 -4.60 0.00	32.38 -4.75 0.00	31.56 -4.71 0.00	30.31 -4.29 0.00	29.50 -4.41 0.00	28.43 -4.47 0.00	27.82 -4.56 0.00	28.07 -4.46 0.01	29.70 -4.59 0.00	34.40 -4.96 0.00	36.22 -4.85 0.00	38.55 -5.21 0.00	40.14 -5.01 0.00	35.49 -4.39 0.00	30.36 -3.83 0.00	27.87 -3.27 0.00
NIAGARA_230_LBMP 323716	25.88 -1.59 0.00	23.18 -1.66 0.00	21.16 -1.54 0.00	19.98 -1.21 0.00	22.40 -1.79 0.00	25.85 -2.40 0.00	30.49 -3.35 0.00	34.50 -4.53 0.00	35.48 -4.21 0.00	32.78 -4.34 0.00	31.92 -4.35 0.00	30.70 -3.91 0.00	29.87 -4.04 0.00	28.76 -4.15 0.00	28.17 -4.21 0.00	28.40 -4.13 0.01	30.04 -4.25 0.00	34.80 -4.57 0.00	36.63 -4.44 0.00	39.03 -4.73 0.00	40.63 -4.51 0.00	35.93 -3.95 0.00	30.70 -3.49 0.00	28.18 -2.96 0.00
NIAGARA___115KV_198_GIBSON 55903	25.66 -1.81 0.00	23.00 -1.84 0.00	21.03 -1.68 0.00	19.81 -1.38 0.00	22.23 -1.96 0.00	25.57 -2.68 0.00	30.15 -3.69 0.00	34.07 -4.96 0.00	35.04 -4.64 0.00	32.38 -4.75 0.00	31.52 -4.75 0.00	30.32 -4.29 0.00	29.50 -4.41 0.00	28.43 -4.48 0.00	27.82 -4.57 0.00	28.04 -4.49 0.01	29.70 -4.60 0.00	34.21 -5.16 0.00	36.22 -4.85 0.00	38.46 -5.29 0.00	40.14 -5.01 0.00	35.49 -4.39 0.00	30.36 -3.83 0.00	27.87 -3.27 0.00
NIAGARA____ 23760	25.88 -1.59 0.00	23.18 -1.66 0.00	21.16 -1.54 0.00	19.98 -1.21 0.00	22.40 -1.79 0.00	25.85 -2.40 0.00	30.49 -3.35 0.00	34.50 -4.53 0.00	35.48 -4.21 0.00	32.78 -4.34 0.00	31.92 -4.35 0.00	30.70 -3.91 0.00	29.87 -4.04 0.00	28.76 -4.15 0.00	28.17 -4.21 0.00	28.40 -4.13 0.01	30.04 -4.25 0.00	34.80 -4.57 0.00	36.63 -4.44 0.00	39.03 -4.73 0.00	40.63 -4.51 0.00	35.93 -3.95 0.00	30.70 -3.49 0.00	28.18 -2.96 0.00
NINE_MILE_1 23575	26.40 -1.07 0.00	23.82 -1.02 0.00	21.77 -0.93 0.00	20.36 -0.83 0.00	23.15 -1.04 0.00	26.93 -1.33 0.00	32.25 -1.59 0.00	37.11 -1.91 0.00	37.82 -1.86 0.00	35.31 -1.82 0.00	34.46 -1.81 0.00	32.91 -1.69 0.00	32.21 -1.69 0.00	31.19 -1.71 0.00	30.66 -1.72 0.00	30.91 -1.63 0.00	32.54 -1.75 0.00	37.40 -1.97 0.00	39.10 -1.97 0.00	41.70 -2.06 0.00	43.12 -2.03 0.00	38.08 -1.79 0.00	32.59 -1.61 0.00	29.67 -1.46 0.00
NINE_MILE_2 23744	26.40 -1.07 0.00	23.82 -1.02 0.00	21.77 -0.93 0.00	20.36 -0.83 0.00	23.15 -1.04 0.00	26.93 -1.33 0.00	32.25 -1.59 0.00	37.11 -1.91 0.00	37.82 -1.86 0.00	35.31 -1.82 0.00	34.46 -1.81 0.00	32.91 -1.69 0.00	32.21 -1.69 0.00	31.19 -1.71 0.00	30.66 -1.72 0.00	30.91 -1.63 0.00	32.54 -1.75 0.00	37.40 -1.97 0.00	39.10 -1.97 0.00	41.70 -2.06 0.00	43.12 -2.03 0.00	38.08 -1.79 0.00	32.59 -1.61 0.00	29.67 -1.46 0.00
NM_CAPITAL___DRP 24208	27.91 0.44 0.00	25.41 0.57 0.00	23.27 0.57 0.00	21.72 0.53 0.00	24.70 0.51 0.00	28.48 0.23 0.00	34.08 0.24 0.00	39.26 0.23 0.00	39.77 0.08 0.00	37.17 0.04 0.00	36.38 0.11 0.00	34.71 0.10 0.00	34.01 0.10 0.00	33.10 0.20 0.00	32.58 0.19 0.00	32.70 0.16 0.00	34.36 0.07 0.00	39.56 0.20 0.00	41.15 0.08 0.00	43.84 0.09 0.00	45.10 -0.05 0.00	39.88 0.00 0.00	34.19 0.00 0.00	31.29 0.16 0.00
NM_CENTRAL___DRP 24181	27.06 -0.41 0.00	24.39 -0.45 0.00	22.30 -0.41 0.00	20.83 -0.36 0.00	23.71 -0.48 0.00	27.52 -0.73 0.00	33.03 -0.81 0.00	38.05 -0.98 0.00	38.73 -0.95 0.00	36.20 -0.93 0.00	35.33 -0.94 0.00	33.71 -0.90 0.00	32.99 -0.92 0.00	31.89 -1.02 0.00	31.41 -0.97 0.00	31.66 -0.88 0.00	33.33 -0.96 0.00	38.22 -1.14 0.00	39.96 -1.11 0.00	42.62 -1.14 0.00	44.11 -1.04 0.00	38.92 -0.96 0.00	33.34 -0.85 0.00	30.39 -0.75 0.00



NM_FRONTIER___DRP 24179	25.66 -1.81 0.00	23.00 -1.84 0.00	21.03 -1.68 0.00	19.81 -1.38 0.00	22.23 -1.96 0.00	25.57 -2.68 0.00	30.15 -3.69 0.00	34.07 -4.96 0.00	35.04 -4.64 0.00	32.38 -4.75 0.00	31.52 -4.75 0.00	30.32 -4.29 0.00	29.50 -4.41 0.00	28.43 -4.48 0.00	27.82 -4.57 0.00	28.04 -4.49 0.01	29.70 -4.60 0.00	34.21 -5.16 0.00	36.22 -4.85 0.00	38.46 -5.29 0.00	40.14 -5.01 0.00	35.49 -4.39 0.00	30.36 -3.83 0.00	27.87 -3.27 0.00
NM_ST_REGIS___HYD 24053	27.14 -0.33 0.00	24.52 -0.32 0.00	22.41 -0.30 0.00	20.97 -0.21 0.00	24.05 -0.15 0.00	28.45 0.20 0.00	33.84 0.00 0.00	39.14 0.12 0.00	39.81 0.12 0.00	37.20 0.07 0.00	36.38 0.11 0.00	34.57 -0.03 0.00	34.01 0.10 0.00	33.00 0.10 0.00	32.32 -0.06 0.00	32.31 -0.23 0.00	34.26 -0.03 0.00	39.32 -0.04 0.00	41.07 0.00 0.00	43.75 0.00 0.00	45.06 -0.09 0.00	40.20 0.32 0.00	34.60 0.41 0.00	31.26 0.12 0.00
NORTHPORT___1 23551	31.51 2.17 -1.87	28.75 2.06 -1.85	26.52 1.93 -1.89	24.81 1.72 -1.91	27.74 1.89 -1.66	31.86 1.89 -1.71	38.03 2.40 -1.78	43.03 2.89 -1.12	43.63 2.82 -1.13	41.27 2.82 -1.32	40.02 2.54 -1.22	38.52 2.56 -1.35	37.86 2.54 -1.40	36.77 2.53 -1.33	36.11 2.46 -1.27	36.29 2.47 -1.28	38.39 2.57 -1.52	43.66 2.84 -1.46	46.72 2.71 -2.95	50.60 2.93 -3.91	50.85 2.98 -2.73	43.12 2.43 -0.81	37.57 2.26 -1.12	34.46 2.05 -1.27
NORTHPORT___2 23552	31.51 2.17 -1.87	28.75 2.06 -1.85	26.52 1.93 -1.89	24.81 1.72 -1.91	27.74 1.89 -1.66	31.86 1.89 -1.71	38.03 2.40 -1.78	43.03 2.89 -1.12	43.63 2.82 -1.13	41.27 2.82 -1.32	40.02 2.54 -1.22	38.52 2.56 -1.35	37.86 2.54 -1.40	36.77 2.53 -1.33	36.11 2.46 -1.27	36.29 2.47 -1.28	38.39 2.57 -1.52	43.66 2.84 -1.46	46.72 2.71 -2.95	50.60 2.93 -3.91	50.85 2.98 -2.73	43.12 2.43 -0.81	37.57 2.26 -1.12	34.46 2.05 -1.27
NORTHPORT___3 23553	31.16 1.59 -2.10	28.44 1.54 -2.06	26.26 1.45 -2.10	24.56 1.25 -2.12	27.41 1.38 -1.84	31.51 1.36 -1.90	37.64 1.73 -2.07	42.43 2.11 -1.29	42.93 1.94 -1.30	40.76 2.12 -1.52	39.51 1.81 -1.43	38.09 1.90 -1.58	37.45 1.90 -1.64	36.35 1.91 -1.53	35.74 1.91 -1.45	35.92 1.92 -1.46	37.98 1.99 -1.70	42.94 1.97 -1.61	46.23 1.89 -3.27	50.20 2.10 -4.35	50.25 2.08 -3.03	42.41 1.60 -0.93	37.11 1.64 -1.27	34.10 1.53 -1.44
NORTHPORT___4 23650	31.16 1.59 -2.10	28.44 1.54 -2.06	26.26 1.45 -2.10	24.56 1.25 -2.12	27.41 1.38 -1.84	31.51 1.36 -1.90	37.64 1.73 -2.07	42.43 2.11 -1.29	42.93 1.94 -1.30	40.76 2.12 -1.52	39.51 1.81 -1.43	38.09 1.90 -1.58	37.45 1.90 -1.64	36.35 1.91 -1.53	35.74 1.91 -1.45	35.92 1.92 -1.46	37.98 1.99 -1.70	42.94 1.97 -1.61	46.23 1.89 -3.27	50.20 2.10 -4.35	50.25 2.08 -3.03	42.41 1.60 -0.93	37.11 1.64 -1.27	34.10 1.53 -1.44
NORTHPORT___IC 23718	31.60 2.25 -1.87	28.76 2.06 -1.85	26.55 1.95 -1.89	24.81 1.72 -1.91	27.74 1.89 -1.66	31.89 1.92 -1.71	38.03 2.40 -1.78	43.03 2.89 -1.12	43.63 2.82 -1.13	41.27 2.82 -1.32	40.02 2.54 -1.22	38.52 2.56 -1.35	37.86 2.54 -1.40	36.77 2.53 -1.33	36.11 2.46 -1.27	36.29 2.47 -1.28	38.39 2.57 -1.52	43.69 2.87 -1.46	46.72 2.71 -2.95	50.56 2.89 -3.91	50.85 2.98 -2.73	43.16 2.47 -0.81	37.53 2.22 -1.12	34.46 2.05 -1.27
NORTH___COUNTRY_ESR 323785	27.14 -0.33 0.00	24.54 -0.30 0.00	22.43 -0.27 0.00	21.02 -0.17 0.00	24.05 -0.14 0.00	28.45 0.20 0.00	33.94 0.10 0.00	39.30 0.28 0.00	40.04 0.36 0.00	37.46 0.33 0.00	36.63 0.36 0.00	34.92 0.31 0.00	34.35 0.44 0.00	33.30 0.40 0.00	32.74 0.36 0.00	32.83 0.29 0.00	34.77 0.48 0.00	39.87 0.51 0.00	41.60 0.53 0.00	44.24 0.48 0.00	45.73 0.59 0.00	40.51 0.64 0.00	34.77 0.58 0.00	31.51 0.37 0.00
NPX_GEN_1385_PROXY 323591	31.51 2.17 -1.87	28.75 2.06 -1.85	26.52 1.93 -1.89	24.81 1.72 -1.91	27.74 1.89 -1.66	31.86 1.89 -1.71	38.03 2.40 -1.78	43.03 2.89 -1.12	42.52 2.66 -0.17	34.29 2.67 5.51	32.53 2.43 6.17	31.93 2.46 5.13	30.27 2.41 6.05	31.43 2.40 3.88	30.99 2.33 3.72	30.70 2.34 4.18	32.13 2.43 4.60	40.42 2.68 1.62	46.46 2.59 -2.81	48.73 2.80 -2.17	47.86 2.80 0.09	39.98 2.31 2.21	34.01 2.12 2.30	31.15 1.96 1.95
NPX_GEN_CSC 323557	32.17 2.36 -2.33	29.32 2.21 -2.27	27.18 2.16 -2.31	25.41 1.88 -2.34	28.31 2.08 -2.03	32.27 1.92 -2.10	38.76 2.50 -2.41	43.57 3.05 -1.50	44.18 2.98 -1.51	41.86 2.97 -1.76	40.58 2.61 -1.69	39.23 2.77 -1.86	38.55 2.71 -1.92	37.38 2.70 -1.77	36.33 2.30 -1.65	36.58 2.37 -1.67	37.96 2.33 -1.33	44.64 2.95 -2.32	47.32 2.63 -3.62	51.45 2.89 -4.80	51.34 2.85 -3.35	43.37 2.39 -1.10	37.70 2.05 -1.45	34.62 1.87 -1.61
NSINS_S_GLNS_FALLS 23858	28.82 1.35 0.00	26.01 1.17 0.00	23.80 1.09 0.00	22.16 0.97 0.00	25.25 1.06 0.00	29.44 1.19 0.00	35.33 1.49 0.00	40.90 1.87 0.00	41.47 1.79 0.00	38.69 1.56 0.00	37.83 1.56 0.00	36.03 1.42 0.00	35.16 1.25 0.00	34.25 1.35 0.00	33.64 1.26 0.00	33.64 1.11 0.00	35.42 1.13 0.00	40.66 1.30 0.00	42.59 1.52 0.00	45.29 1.53 0.00	47.04 1.90 0.00	41.43 1.56 0.00	35.53 1.33 0.00	32.38 1.25 0.00
NUCOR_STEEL___DRP 24197	27.14 -0.33 0.00	24.44 -0.40 0.00	22.34 -0.36 0.00	20.89 -0.30 0.00	23.75 -0.44 0.00	27.55 -0.71 0.00	33.06 -0.78 0.00	38.09 -0.94 0.00	39.81 -0.87 0.00	36.20 -0.93 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.93 -0.98 0.00	31.82 -1.09 0.00	31.34 -1.04 0.00	31.60 -0.94 0.00	33.30 -0.99 0.00	38.22 -1.14 0.00	40.08 -0.99 0.00	42.79 -0.96 0.00	44.34 -0.81 0.00	39.16 -0.72 0.00	33.47 -0.72 0.00	30.42 -0.72 0.00
NUMBER_THREE_WT_PWR 323818	27.01 -0.47 0.00	24.44 -0.40 0.00	22.43 -0.27 0.00	21.04 -0.15 0.00	24.36 0.17 0.00	28.51 0.25 0.00	34.18 0.34 0.00	39.30 0.28 0.00	39.93 0.24 0.00	37.20 0.07 0.00	36.23 -0.04 0.00	34.37 -0.24 0.00	33.67 -0.24 0.00	32.68 -0.23 0.00	32.09 -0.29 0.00	32.31 -0.23 0.00	34.16 -0.14 0.00	39.36 0.00 0.00	41.31 0.25 0.00	43.89 0.13 0.00	45.51 0.36 0.00	40.24 0.36 0.00	34.50 0.31 0.00	31.26 0.13 0.00
NYISO_LBMP_REFERENCE 24008	27.47 0.00 0.00	24.84 0.00 0.00	22.71 0.00 0.00	21.19 0.00 0.00	24.19 0.00 0.00	28.26 0.00 0.00	33.84 0.00 0.00	39.03 0.00 0.00	39.69 0.00 0.00	37.13 0.00 0.00	36.27 0.00 0.00	34.61 0.00 0.00	33.91 0.00 0.00	32.91 0.00 0.00	32.38 0.00 0.00	32.54 0.00 0.00	34.29 0.00 0.00	39.36 0.00 0.00	41.07 0.00 0.00	43.75 0.00 0.00	45.15 0.00 0.00	39.88 0.00 0.00	34.19 0.00 0.00	31.14 0.00 0.00
NYPA_BRENTWD____GT 24164	32.95 2.44 -3.03	30.02 2.28 -2.89	27.79 2.13 -2.95	26.05 1.88 -2.98	28.87 2.08 -2.59	33.05 2.12 -2.67	39.92 2.67 -3.40	44.36 3.24 -2.10	44.99 3.18 -2.13	42.74 3.15 -2.46	41.59 2.86 -2.46	40.12 2.84 -2.67	39.48 2.81 -2.76	38.14 2.76 -2.47	37.31 2.69 -2.24	37.56 2.73 -2.29	39.51 2.84 -2.38	44.90 3.27 -2.28	48.89 3.21 -4.62	53.34 3.46 -6.13	52.95 3.52 -4.27	44.36 2.91 -1.57	38.73 2.57 -1.98	35.58 2.30 -2.14



NYPA_GOWANUS____GT5 24156	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NYPA_GOWANUS____GT6 24157	29.27 1.78 -0.01	26.48 1.64 0.00	24.20 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.79 2.10 0.00	39.39 2.27 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.72 2.18 0.00	36.66 2.36 0.00	41.92 2.56 0.00	43.51 2.42 -0.02	46.40 2.63 -0.02	47.79 2.62 -0.02	41.91 2.03 0.00	36.17 1.98 0.00	32.95 1.81 -0.01
NYPA_HARLEM__RVR__GT1 24160	29.19 1.70 -0.01	26.51 1.66 -0.01	24.24 1.52 -0.01	22.51 1.31 -0.01	25.63 1.43 -0.01	29.50 1.24 0.00	35.47 1.62 0.00	41.02 1.99 0.00	41.51 1.83 0.01	39.21 2.08 0.00	38.16 1.88 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.36 1.82 0.00	36.38 2.09 0.01	41.56 2.20 0.01	43.15 2.09 0.01	45.98 2.23 0.01	47.31 2.17 0.01	41.67 1.80 0.00	36.28 2.09 0.00	32.82 1.68 -0.01
NYPA_HARLEM__RVR__GT2 24161	29.19 1.70 -0.01	26.51 1.66 -0.01	24.24 1.52 -0.01	22.51 1.31 -0.01	25.63 1.43 -0.01	29.50 1.24 0.00	35.47 1.62 0.00	41.02 1.99 0.00	41.51 1.83 0.01	39.21 2.08 0.00	38.16 1.88 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.36 1.82 0.00	36.38 2.09 0.01	41.56 2.20 0.01	43.15 2.09 0.01	45.98 2.23 0.01	47.31 2.17 0.01	41.67 1.80 0.00	36.28 2.09 0.00	32.82 1.68 -0.01
NYPA_KENT____GT 24152	29.21 1.73 -0.01	26.43 1.59 0.00	24.16 1.45 0.00	22.44 1.25 0.00	25.54 1.35 0.00	29.56 1.30 0.00	35.53 1.69 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.27 0.00	38.30 2.03 0.00	36.68 2.08 0.00	36.01 2.10 0.00	35.01 2.11 0.00	34.55 2.17 0.00	34.68 2.15 0.00	36.62 2.33 0.00	41.89 2.52 0.00	43.46 2.38 -0.01	46.35 2.58 -0.01	47.69 2.53 -0.01	41.87 1.99 0.00	36.11 1.91 0.00	32.86 1.71 -0.01
NYPA_POUCH1____GT 24155	29.32 1.84 -0.01	26.50 1.66 0.00	24.23 1.52 0.00	22.48 1.29 0.00	25.59 1.40 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.71 2.02 0.00	39.36 2.23 0.00	38.26 1.99 0.00	36.65 2.04 0.00	36.01 2.10 0.00	35.01 2.11 0.00	34.55 2.17 0.00	34.68 2.15 0.00	36.62 2.33 0.00	41.92 2.56 0.00	43.47 2.38 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.95 2.07 0.00	36.17 1.98 0.00	32.98 1.84 -0.01
NYPA_VERNON____GT2 24162	29.16 1.68 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.53 1.27 0.00	35.50 1.66 0.00	41.13 2.11 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.68 2.08 0.00	36.01 2.10 0.00	35.01 2.11 0.00	34.52 2.14 0.00	34.65 2.11 0.00	36.59 2.30 0.00	41.81 2.44 0.00	43.41 2.34 0.00	46.25 2.49 0.00	47.63 2.48 0.00	41.79 1.91 0.00	36.04 1.85 0.00	32.79 1.65 -0.01
NYPA_VERNON____GT3 24163	29.16 1.68 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.53 1.27 0.00	35.50 1.66 0.00	41.13 2.11 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.68 2.08 0.00	36.01 2.10 0.00	35.01 2.11 0.00	34.52 2.14 0.00	34.65 2.11 0.00	36.59 2.30 0.00	41.81 2.44 0.00	43.41 2.34 0.00	46.25 2.49 0.00	47.63 2.48 0.00	41.79 1.91 0.00	36.04 1.85 0.00	32.79 1.65 -0.01
NYPA____ASTORIA_CC1 323568	29.13 1.65 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.05 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.59 2.05 0.00	36.52 2.23 0.00	41.73 2.36 0.00	43.32 2.26 0.00	46.20 2.45 0.00	47.54 2.39 0.00	41.71 1.84 0.00	36.04 1.85 0.00	32.79 1.65 -0.01
NYPA____ASTORIA_CC2 323569	29.13 1.65 -0.01	26.38 1.54 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.05 2.03 0.00	41.67 1.98 0.00	39.28 2.15 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.59 2.05 0.00	36.52 2.23 0.00	41.73 2.36 0.00	43.32 2.26 0.00	46.20 2.45 0.00	47.54 2.39 0.00	41.71 1.84 0.00	36.04 1.85 0.00	32.79 1.65 -0.01
NYPA____HOLTSVILL 23794	32.04 2.28 -2.29	29.23 2.16 -2.23	27.00 2.02 -2.27	25.26 1.78 -2.29	28.17 1.98 -2.00	32.24 1.92 -2.06	38.66 2.47 -2.34	43.49 3.01 -1.46	44.10 2.94 -1.47	41.74 2.90 -1.71	40.53 2.61 -1.64	39.04 2.63 -1.80	38.39 2.61 -1.87	37.23 2.60 -1.73	36.42 2.43 -1.61	36.64 2.47 -1.63	38.66 2.54 -1.83	44.11 2.99 -1.75	47.45 2.83 -3.55	51.58 3.11 -4.72	51.55 3.11 -3.29	43.50 2.55 -1.07	37.87 2.26 -1.42	34.77 2.05 -1.58
NYPA____HELLGATE_GT1 24158	29.19 1.70 -0.01	26.51 1.66 -0.01	24.24 1.52 -0.01	22.51 1.31 -0.01	25.63 1.43 -0.01	29.50 1.24 0.00	35.47 1.62 0.00	41.02 1.99 0.00	41.51 1.83 0.01	39.21 2.08 0.00	38.16 1.88 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.36 1.82 0.00	36.38 2.09 0.01	41.56 2.20 0.01	43.15 2.09 0.01	45.98 2.23 0.01	47.31 2.17 0.01	41.67 1.80 0.00	36.28 2.09 0.00	32.82 1.68 -0.01
NYPA____HELLGATE_GT2 24159	29.19 1.70 -0.01	26.51 1.66 -0.01	24.24 1.52 -0.01	22.51 1.31 -0.01	25.63 1.43 -0.01	29.50 1.24 0.00	35.47 1.62 0.00	41.02 1.99 0.00	41.51 1.83 0.01	39.21 2.08 0.00	38.16 1.88 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.36 1.82 0.00	36.38 2.09 0.01	41.56 2.20 0.01	43.15 2.09 0.01	45.98 2.23 0.01	47.31 2.17 0.01	41.67 1.80 0.00	36.28 2.09 0.00	32.82 1.68 -0.01
NYS_BARGE____HYD 23848	25.99 -1.48 0.00	23.25 -1.59 0.00	21.23 -1.48 0.00	20.06 -1.12 0.00	22.47 -1.72 0.00	25.97 -2.29 0.00	30.63 -3.22 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.06 -4.21 0.00	30.80 -3.81 0.00	29.94 -3.97 0.00	28.86 -4.05 0.00	28.24 -4.15 0.00	28.49 -4.04 0.01	30.14 -4.15 0.00	34.92 -4.45 0.00	36.84 -4.23 0.00	39.20 -4.55 0.00	40.86 -4.29 0.00	36.13 -3.75 0.00	30.84 -3.35 0.00	28.24 -2.89 0.00
OAK ORCHARD____HYD 24046	26.59 -0.88 0.00	23.87 -0.97 0.00	21.80 -0.91 0.00	20.49 -0.70 0.00	23.10 -1.09 0.00	26.79 -1.47 0.00	31.91 -1.93 0.00	36.45 -2.58 0.00	37.43 -2.26 0.00	34.79 -2.34 0.00	33.88 -2.39 0.00	32.57 -2.04 0.00	31.71 -2.20 0.00	30.60 -2.30 0.00	30.05 -2.33 0.00	30.38 -2.15 0.00	31.99 -2.30 0.00	36.88 -2.48 0.00	38.73 -2.34 0.00	41.26 -2.49 0.00	42.89 -2.26 0.00	37.85 -2.03 0.00	32.21 -1.98 0.00	29.33 -1.81 0.00



OAKDALE___35_KV_LOAD 356122	27.53 0.05 0.00	24.82 -0.02 0.00	22.71 0.00 0.00	21.23 0.04 0.00	24.12 -0.07 0.00	27.94 -0.31 0.00	33.44 -0.41 0.00	38.48 -0.55 0.00	39.09 -0.60 0.00	36.53 -0.59 0.00	35.62 -0.65 0.00	33.98 -0.62 0.00	33.23 -0.68 0.00	32.15 -0.76 0.00	31.64 -0.74 0.00	31.82 -0.72 0.01	33.61 -0.69 0.00	38.58 -0.79 0.00	40.41 -0.66 0.00	43.10 -0.66 0.00	44.65 -0.50 0.00	39.48 -0.40 0.00	33.75 -0.44 0.00	30.70 -0.44 0.00
OCC_CHEM___DRP 24175	25.74 -1.73 0.00	23.08 -1.76 0.00	21.07 -1.63 0.00	19.87 -1.31 0.00	22.30 -1.89 0.00	25.66 -2.60 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.16 -4.52 0.00	32.49 -4.64 0.00	31.63 -4.64 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.33 -5.04 0.00	36.34 -4.72 0.00	38.59 -5.16 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.46 -3.73 0.00	27.96 -3.18 0.00
OH_GEN_PROXY 24063	25.94 -1.54 0.00	23.20 -1.64 0.00	21.21 -1.50 0.00	20.00 -1.19 0.00	22.43 -1.76 0.00	25.91 -2.34 0.00	30.56 -3.28 0.00	34.62 -4.41 0.00	35.60 -4.09 0.00	32.89 -4.23 0.00	32.03 -4.24 0.00	30.80 -3.81 0.00	29.98 -3.93 0.00	28.86 -4.05 0.00	28.27 -4.11 0.00	28.49 -4.04 0.01	29.61 -4.15 0.54	35.45 -4.45 -0.54	36.75 -4.31 0.00	39.16 -4.59 0.00	40.77 -4.38 0.00	36.05 -3.83 0.00	30.77 -3.42 0.00	28.21 -2.93 0.00
OLIN_CORP_DRP 24177	25.69 -1.79 0.00	22.95 -1.89 0.00	20.96 -1.75 0.00	19.77 -1.42 0.00	22.18 -2.01 0.00	25.60 -2.66 0.00	30.19 -3.65 0.00	34.15 -4.88 0.00	35.12 -4.56 0.00	32.45 -4.68 0.00	31.56 -4.72 0.00	30.35 -4.26 0.00	29.54 -4.37 0.00	28.46 -4.44 0.00	27.85 -4.53 0.00	28.07 -4.46 0.01	29.73 -4.56 0.00	34.25 -5.12 0.00	36.26 -4.80 0.00	38.55 -5.21 0.00	40.23 -4.92 0.00	35.57 -4.31 0.00	30.40 -3.80 0.00	27.87 -3.27 0.00
OLIN_CORP_DSASP 323712	25.71 -1.76 0.00	23.08 -1.76 0.00	21.07 -1.64 0.00	19.92 -1.27 0.00	22.30 -1.89 0.00	25.68 -2.57 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.20 -4.48 0.00	32.49 -4.64 0.00	31.66 -4.61 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.52 -4.84 0.00	36.34 -4.72 0.00	38.68 -5.07 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.43 -3.76 0.00	27.96 -3.18 0.00
ONEIDA_HERK_LFGE 323681	27.58 0.11 0.00	24.94 0.10 0.00	22.84 0.14 0.00	21.38 0.19 0.00	24.55 0.36 0.00	28.68 0.42 0.00	34.38 0.54 0.00	39.57 0.55 0.00	40.24 0.56 0.00	37.58 0.45 0.00	36.67 0.40 0.00	34.82 0.21 0.00	34.11 0.20 0.00	33.10 0.20 0.00	32.54 0.16 0.00	32.77 0.23 0.00	34.60 0.31 0.00	39.80 0.43 0.00	41.60 0.53 0.00	44.24 0.48 0.00	45.78 0.63 0.00	40.44 0.56 0.00	34.64 0.44 0.00	31.45 0.31 0.00
ONEIDA___115KV_TB4 55905	27.91 0.44 0.00	25.21 0.37 0.00	23.07 0.36 0.00	21.57 0.38 0.00	24.65 0.46 0.00	28.71 0.45 0.00	34.45 0.61 0.00	39.65 0.62 0.00	40.32 0.63 0.00	37.65 0.52 0.00	36.74 0.47 0.00	34.92 0.31 0.00	34.18 0.27 0.00	33.17 0.26 0.00	32.64 0.26 0.00	32.90 0.36 0.00	34.70 0.41 0.00	39.88 0.51 0.00	41.72 0.66 0.00	44.37 0.61 0.00	45.96 0.81 0.00	40.56 0.68 0.00	34.74 0.55 0.00	31.54 0.40 0.00
ONONDAGA_REF_OCCRA 23987	27.14 -0.33 0.00	24.49 -0.35 0.00	22.39 -0.32 0.00	20.91 -0.28 0.00	23.78 -0.41 0.00	27.61 -0.65 0.00	33.13 -0.71 0.00	38.21 -0.82 0.00	38.85 -0.83 0.00	36.31 -0.82 0.00	35.44 -0.83 0.00	33.81 -0.80 0.00	33.06 -0.85 0.00	31.98 -0.92 0.00	31.51 -0.87 0.00	31.73 -0.81 0.00	33.43 -0.86 0.00	38.34 -1.02 0.00	40.12 -0.94 0.00	42.79 -0.96 0.00	44.29 -0.86 0.00	39.12 -0.76 0.00	33.51 -0.68 0.00	30.48 -0.65 0.00
ONONDAGA___COGEN 23986	27.01 -0.47 0.00	24.34 -0.50 0.00	22.27 -0.43 0.00	20.80 -0.38 0.00	23.66 -0.53 0.00	27.46 -0.79 0.00	32.96 -0.88 0.00	38.01 -1.01 0.00	38.69 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.93 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.63 -0.91 0.00	33.30 -0.99 0.00	38.18 -1.18 0.00	40.00 -1.07 0.00	42.66 -1.09 0.00	44.16 -0.99 0.00	39.00 -0.88 0.00	33.37 -0.82 0.00	30.36 -0.78 0.00
ONTARIO___LFGE 23819	27.25 -0.22 0.00	24.49 -0.35 0.00	22.39 -0.32 0.00	20.99 -0.19 0.00	23.76 -0.43 0.00	27.55 -0.71 0.00	33.00 -0.84 0.00	37.89 -1.13 0.00	38.58 -1.11 0.00	35.90 -1.22 0.00	34.93 -1.34 0.00	33.39 -1.21 0.00	32.55 -1.36 0.00	31.39 -1.51 0.00	30.89 -1.49 0.00	31.13 -1.40 0.01	32.88 -1.41 0.00	37.91 -1.46 0.00	39.83 -1.23 0.00	42.66 -1.09 0.00	44.25 -0.90 0.00	39.08 -0.80 0.00	33.30 -0.89 0.00	30.23 -0.90 0.00
ORANGEVILLE_WT_PWR 323706	26.62 -0.85 0.00	23.85 -0.99 0.00	21.77 -0.93 0.00	20.51 -0.68 0.00	23.03 -1.16 0.00	26.62 -1.64 0.00	31.34 -2.50 0.00	35.63 -3.40 0.00	36.43 -3.25 0.00	33.68 -3.45 0.00	32.72 -3.55 0.00	31.28 -3.32 0.00	30.38 -3.53 0.00	29.29 -3.62 0.00	28.69 -3.69 0.00	28.88 -3.64 0.01	30.59 -3.70 0.00	35.47 -3.90 0.00	37.37 -3.70 0.00	39.95 -3.81 0.00	41.58 -3.57 0.00	36.85 -3.03 0.00	31.56 -2.63 0.00	28.80 -2.34 0.00
ORANGEVILLE___ESR 323794	26.62 -0.85 0.00	23.85 -0.99 0.00	21.77 -0.93 0.00	20.51 -0.68 0.00	23.03 -1.16 0.00	26.62 -1.64 0.00	31.34 -2.50 0.00	35.63 -3.40 0.00	36.43 -3.25 0.00	33.68 -3.45 0.00	32.72 -3.55 0.00	31.28 -3.32 0.00	30.38 -3.53 0.00	29.29 -3.62 0.00	28.69 -3.69 0.00	28.88 -3.64 0.01	30.59 -3.70 0.00	35.47 -3.90 0.00	37.37 -3.70 0.00	39.95 -3.81 0.00	41.58 -3.57 0.00	36.85 -3.03 0.00	31.56 -2.63 0.00	28.80 -2.34 0.00
OSWEGATCHIE___HYD 24044	26.81 -0.66 0.00	24.22 -0.62 0.00	22.19 -0.52 0.00	20.76 -0.42 0.00	23.92 -0.27 0.00	28.14 -0.11 0.00	33.61 -0.24 0.00	38.71 -0.31 0.00	39.33 -0.36 0.00	36.72 -0.41 0.00	35.84 -0.43 0.00	33.98 -0.62 0.00	33.37 -0.54 0.00	32.38 -0.53 0.00	31.73 -0.65 0.00	31.82 -0.72 0.00	33.71 -0.58 0.00	38.77 -0.59 0.00	40.61 -0.45 0.00	43.05 -0.70 0.00	44.61 -0.54 0.00	39.68 -0.20 0.00	34.12 -0.07 0.00	30.86 -0.28 0.00
OSWEGO___5 23606	26.51 -0.96 0.00	23.92 -0.92 0.00	21.87 -0.84 0.00	20.44 -0.74 0.00	23.25 -0.94 0.00	27.01 -1.24 0.00	32.39 -1.45 0.00	37.27 -1.76 0.00	37.98 -1.71 0.00	35.46 -1.67 0.00	34.60 -1.67 0.00	33.05 -1.56 0.00	32.32 -1.59 0.00	31.29 -1.61 0.00	30.79 -1.59 0.00	31.04 -1.50 0.00	32.68 -1.61 0.00	37.51 -1.85 0.00	39.26 -1.81 0.00	41.87 -1.88 0.00	43.30 -1.85 0.00	38.24 -1.64 0.00	32.72 -1.47 0.00	29.77 -1.37 0.00
OSWEGO___6 23613	26.51 -0.96 0.00	23.92 -0.92 0.00	21.87 -0.84 0.00	20.44 -0.74 0.00	23.25 -0.94 0.00	27.01 -1.24 0.00	32.39 -1.45 0.00	37.27 -1.76 0.00	37.98 -1.71 0.00	35.46 -1.67 0.00	34.60 -1.67 0.00	33.05 -1.56 0.00	32.32 -1.59 0.00	31.29 -1.61 0.00	30.79 -1.59 0.00	31.04 -1.50 0.00	32.68 -1.61 0.00	37.51 -1.85 0.00	39.26 -1.81 0.00	41.87 -1.88 0.00	43.30 -1.85 0.00	38.24 -1.64 0.00	32.72 -1.47 0.00	29.77 -1.37 0.00



OUTOKUMPU-AB___DRP 24206	26.29 -1.18 0.00	23.52 -1.32 0.00	21.46 -1.25 0.00	20.25 -0.93 0.00	22.71 -1.48 0.00	26.19 -2.06 0.00	30.93 -2.91 0.00	35.08 -3.94 0.00	36.04 -3.65 0.00	33.27 -3.86 0.00	32.39 -3.88 0.00	31.11 -3.50 0.00	30.25 -3.66 0.00	29.15 -3.75 0.00	28.53 -3.85 0.00	28.72 -3.81 0.01	30.45 -3.84 0.00	35.07 -4.29 0.00	37.16 -3.90 0.00	39.47 -4.29 0.00	41.22 -3.93 0.00	36.49 -3.39 0.00	31.15 -3.04 0.00	28.49 -2.65 0.00
OXBOW___BTM 323836	26.02 -1.46 0.00	23.32 -1.52 0.00	21.30 -1.41 0.00	20.13 -1.06 0.00	22.54 -1.65 0.00	25.97 -2.29 0.00	30.63 -3.22 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.10 -4.17 0.00	30.84 -3.77 0.00	29.98 -3.93 0.00	28.89 -4.02 0.00	28.27 -4.11 0.00	28.49 -4.04 0.01	30.18 -4.12 0.00	34.96 -4.41 0.00	36.84 -4.23 0.00	39.16 -4.59 0.00	40.81 -4.33 0.00	36.09 -3.79 0.00	30.84 -3.35 0.00	28.27 -2.86 0.00
OXBOW___ 24026	26.04 -1.43 0.00	23.32 -1.52 0.00	21.30 -1.41 0.00	20.08 -1.10 0.00	22.55 -1.64 0.00	25.97 -2.29 0.00	30.63 -3.21 0.00	34.69 -4.33 0.00	35.68 -4.01 0.00	32.93 -4.20 0.00	32.06 -4.21 0.00	30.83 -3.77 0.00	29.98 -3.93 0.00	28.89 -4.01 0.00	28.27 -4.11 0.00	28.46 -4.07 0.01	30.18 -4.12 0.00	34.76 -4.61 0.00	36.79 -4.27 0.00	39.07 -4.68 0.00	40.81 -4.33 0.00	36.09 -3.79 0.00	30.84 -3.35 0.00	28.27 -2.86 0.00
OXY_CHEM_DSASP 323612	25.74 -1.73 0.00	23.08 -1.76 0.00	21.07 -1.63 0.00	19.87 -1.31 0.00	22.30 -1.89 0.00	25.66 -2.60 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.16 -4.52 0.00	32.49 -4.64 0.00	31.63 -4.64 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.33 -5.04 0.00	36.34 -4.72 0.00	38.59 -5.16 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.46 -3.73 0.00	27.96 -3.18 0.00
OZONE_PARK_ESR 323760	29.26 1.79 0.00	26.43 1.59 0.00	24.14 1.43 0.00	22.41 1.23 0.00	25.54 1.35 0.00	29.64 1.38 0.00	35.64 1.79 0.00	41.37 2.34 0.00	42.03 2.34 0.00	39.58 2.45 0.00	38.52 2.25 0.00	36.86 2.25 0.00	36.18 2.27 0.00	35.14 2.24 0.00	34.68 2.30 0.00	34.88 2.34 0.00	36.76 2.47 0.00	42.08 2.72 0.00	43.73 2.67 0.00	46.55 2.80 0.00	47.95 2.80 0.00	42.03 2.15 0.00	36.11 1.91 0.00	32.88 1.74 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	25.74 -1.73 0.00	23.08 -1.76 0.00	21.07 -1.63 0.00	19.87 -1.31 0.00	22.30 -1.89 0.00	25.66 -2.60 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.16 -4.52 0.00	32.49 -4.64 0.00	31.63 -4.64 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.33 -5.04 0.00	36.34 -4.72 0.00	38.59 -5.16 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.46 -3.73 0.00	27.96 -3.18 0.00
PACKARD___115KV_DUPONT_184 80571	25.74 -1.73 0.00	23.08 -1.76 0.00	21.07 -1.63 0.00	19.87 -1.31 0.00	22.30 -1.89 0.00	25.66 -2.60 0.00	30.25 -3.59 0.00	34.19 -4.84 0.00	35.16 -4.52 0.00	32.49 -4.64 0.00	31.63 -4.64 0.00	30.42 -4.19 0.00	29.60 -4.31 0.00	28.53 -4.38 0.00	27.91 -4.47 0.00	28.14 -4.39 0.01	29.80 -4.49 0.00	34.33 -5.04 0.00	36.34 -4.72 0.00	38.59 -5.16 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.46 -3.73 0.00	27.96 -3.18 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	29.29 1.81 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.48 1.29 0.00	25.59 1.40 0.00	29.56 1.30 0.00	35.47 1.62 0.00	41.02 1.99 0.00	41.51 1.83 0.00	39.17 2.04 0.00	38.12 1.85 0.00	36.51 1.90 0.00	35.84 1.93 0.00	34.88 1.97 0.00	34.42 2.04 0.00	34.56 2.02 0.00	36.38 2.09 0.00	41.65 2.28 0.00	43.20 2.14 0.00	45.99 2.23 0.00	47.36 2.21 0.00	41.51 1.64 0.00	35.90 1.71 0.00	32.86 1.71 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	29.54 2.06 -0.01	26.70 1.86 0.00	24.41 1.70 0.00	22.67 1.48 0.00	25.81 1.62 0.00	29.78 1.53 0.00	35.74 1.90 0.00	41.29 2.26 0.00	41.79 2.10 0.00	39.39 2.26 0.00	38.30 2.03 0.00	36.75 2.15 0.00	36.01 2.10 0.00	35.01 2.11 0.00	34.55 2.17 0.00	34.69 2.15 0.00	36.56 2.26 0.00	41.84 2.48 0.00	43.41 2.34 0.00	46.25 2.49 0.00	47.63 2.48 0.00	41.79 1.91 0.00	36.11 1.91 0.00	33.04 1.90 -0.01
PATROON___115KV_TB1 80586	27.89 0.41 0.00	25.41 0.57 0.00	23.27 0.57 0.00	21.72 0.53 0.00	24.70 0.51 0.00	28.48 0.23 0.00	34.08 0.24 0.00	39.30 0.27 0.00	39.85 0.16 0.00	37.24 0.11 0.00	36.45 0.18 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.14 0.23 0.00	32.61 0.23 0.00	32.80 0.26 0.00	34.43 0.14 0.00	39.60 0.24 0.00	41.23 0.16 0.00	43.89 0.13 0.00	45.15 0.00 0.00	39.92 0.04 0.00	34.23 0.03 0.00	31.32 0.19 0.00
PATTRSNVILLE___SOLAR 323815	28.30 0.82 0.00	25.58 0.74 0.00	23.43 0.73 0.00	21.84 0.66 0.00	24.89 0.70 0.00	28.91 0.65 0.00	34.65 0.81 0.00	40.00 0.98 0.00	40.52 0.83 0.00	37.83 0.70 0.00	36.96 0.69 0.00	35.26 0.66 0.00	34.49 0.58 0.00	33.53 0.62 0.00	32.96 0.58 0.00	33.12 0.59 0.00	34.91 0.62 0.00	40.15 0.79 0.00	42.01 0.95 0.00	44.76 1.01 0.00	46.19 1.04 0.00	40.75 0.88 0.00	34.94 0.75 0.00	31.85 0.72 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	26.68 -0.80 0.00	23.87 -0.97 0.00	21.78 -0.93 0.00	20.55 -0.64 0.00	23.05 -1.14 0.00	26.65 -1.61 0.00	31.54 -2.30 0.00	35.98 -3.04 0.00	36.79 -2.90 0.00	34.01 -3.12 0.00	33.11 -3.16 0.00	31.77 -2.84 0.00	30.86 -3.05 0.00	29.75 -3.16 0.00	29.11 -3.27 0.00	29.27 -3.25 0.01	31.07 -3.22 0.00	35.74 -3.62 0.00	37.90 -3.16 0.00	40.30 -3.46 0.00	42.12 -3.02 0.00	37.33 -2.55 0.00	31.80 -2.39 0.00	28.96 -2.18 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	29.01 1.54 0.00	26.21 1.37 0.00	23.96 1.25 0.00	22.25 1.06 0.00	25.38 1.19 0.00	29.50 1.24 0.00	35.50 1.66 0.00	41.13 2.11 0.00	41.79 2.10 0.00	39.24 2.12 0.00	38.19 1.92 0.00	36.44 1.83 0.00	35.74 1.83 0.00	34.72 1.81 0.00	34.26 1.88 0.00	34.46 1.92 0.00	36.32 2.02 0.00	41.57 2.20 0.00	43.24 2.18 0.00	46.07 2.32 0.00	47.50 2.35 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.66 1.53 0.00
PEEKSKILL___ 23653	28.76 1.29 0.00	26.06 1.22 0.00	23.84 1.13 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.27 1.02 0.00	35.20 1.36 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.95 1.82 0.00	37.94 1.67 0.00	36.23 1.63 0.00	35.57 1.66 0.00	34.55 1.64 0.00	34.06 1.68 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.25 1.89 0.00	42.92 1.85 0.00	45.77 2.01 0.00	47.18 2.03 0.00	41.39 1.52 0.00	35.56 1.37 0.00	32.38 1.25 0.00
PGE MADISON___WINDPWR 24146	29.15 1.68 0.00	26.26 1.42 0.00	24.09 1.39 0.00	22.56 1.38 0.00	25.86 1.67 0.00	30.09 1.84 0.00	36.25 2.40 0.00	41.56 2.54 0.00	42.31 2.62 0.00	39.43 2.30 0.00	38.41 2.14 0.00	36.27 1.66 0.00	35.47 1.56 0.00	34.35 1.45 0.00	33.80 1.42 0.00	34.21 1.66 -0.01	36.21 1.92 0.00	41.53 2.16 0.00	43.65 2.59 0.00	46.34 2.58 0.00	48.13 2.98 0.00	42.35 2.47 0.00	36.21 2.02 0.00	32.75 1.62 0.00



PIERCEFIELD___HYD 23852	27.03 -0.44 0.00	24.42 -0.42 0.00	22.30 -0.41 0.00	20.87 -0.32 0.00	23.95 -0.24 0.00	28.34 0.08 0.00	33.67 -0.17 0.00	38.91 -0.12 0.00	39.57 -0.12 0.00	36.98 -0.15 0.00	36.13 -0.15 0.00	34.33 -0.28 0.00	33.77 -0.14 0.00	32.77 -0.13 0.00	32.06 -0.32 0.00	32.05 -0.49 0.00	33.98 -0.31 0.00	39.01 -0.35 0.00	40.74 -0.33 0.00	43.36 -0.39 0.00	44.61 -0.54 0.00	39.88 0.00 0.00	34.36 0.17 0.00	31.07 -0.06 0.00
PINELAWN_CC_1 323563	35.85 2.14 -6.24	32.63 2.04 -5.75	30.45 1.88 -5.86	28.81 1.67 -5.95	31.21 1.84 -5.18	35.48 1.89 -5.33	44.16 2.40 -7.91	46.72 2.89 -4.81	47.43 2.82 -4.92	45.56 2.79 -5.64	44.74 2.54 -5.93	43.49 2.52 -6.35	42.91 2.47 -6.53	40.99 2.47 -5.62	39.76 2.43 -4.95	40.10 2.47 -5.09	41.63 2.60 -4.73	46.83 2.95 -4.52	53.18 2.92 -9.20	59.11 3.15 -12.20	56.86 3.21 -8.51	46.21 2.63 -3.70	40.84 2.29 -4.36	37.78 2.12 -4.53
PJM_GEN_HTTP_PROXY 323702	28.98 1.51 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.75 2.06 0.00	39.32 2.19 0.00	38.26 1.99 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.91 2.01 0.00	34.46 2.07 0.00	34.62 2.08 0.00	35.95 2.20 0.54	42.26 2.36 -0.54	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
PJM_GEN_KEystone 24065	27.64 0.17 0.00	24.94 0.10 0.00	22.80 0.09 0.00	21.31 0.13 0.00	24.14 -0.05 0.00	27.95 -0.31 0.00	33.44 -0.40 0.00	38.40 -0.63 0.00	39.01 -0.67 0.00	36.53 -0.60 0.00	35.58 -0.69 0.00	34.05 -0.56 0.00	33.30 -0.61 0.00	32.25 -0.66 0.00	31.73 -0.65 0.00	31.88 -0.65 0.00	33.14 -0.62 0.54	39.19 -0.71 -0.54	40.41 -0.66 0.00	43.14 -0.61 0.00	44.70 -0.45 0.00	39.36 -0.52 0.00	33.68 -0.51 0.00	30.70 -0.44 0.00
PJM_GEN_NEPTUNE_PROXY 323594	29.55 1.70 -0.37	27.05 1.66 -0.54	24.82 1.57 -0.55	23.11 1.38 -0.54	26.19 1.52 -0.47	30.27 1.52 -0.49	35.31 1.89 0.42	41.09 2.26 0.20	41.67 2.22 0.24	39.16 2.27 0.23	37.83 2.07 0.50	36.18 2.04 0.47	35.53 2.07 0.45	34.74 2.04 0.20	34.42 2.07 0.04	34.52 2.05 0.07	36.33 2.13 0.09	42.69 2.36 -0.96	44.25 2.34 -0.84	47.41 2.54 -1.12	48.50 2.57 -0.78	41.71 2.07 0.24	35.94 1.78 0.03	32.96 1.68 -0.14
PJM_GEN_VFT_PROXY 323633	28.85 1.37 0.00	26.13 1.29 0.00	23.89 1.18 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.33 1.07 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.55 1.87 0.00	39.13 2.00 0.00	38.12 1.85 0.00	36.47 1.87 0.00	35.77 1.86 0.00	34.78 1.87 0.00	34.32 1.94 0.00	34.49 1.95 0.00	35.81 2.06 0.54	42.06 2.16 -0.54	43.20 2.13 0.00	46.03 2.27 0.00	47.41 2.26 0.00	41.51 1.64 0.00	35.66 1.47 0.00	32.47 1.34 0.00
PLATSBURG_115KV_PMLD1 355749	27.53 0.05 0.00	24.87 0.02 0.00	22.75 0.05 0.00	21.31 0.13 0.00	24.38 0.19 0.00	28.82 0.57 0.00	34.38 0.54 0.00	39.81 0.78 0.00	40.56 0.87 0.00	37.94 0.82 0.00	37.10 0.83 0.00	35.33 0.73 0.00	34.76 0.85 0.00	33.73 0.82 0.00	33.13 0.74 0.00	33.22 0.68 0.00	35.22 0.93 0.00	40.39 1.02 0.00	42.13 1.07 0.00	44.98 1.23 0.00	46.37 1.22 0.00	41.07 1.20 0.00	35.22 1.03 0.00	31.88 0.75 0.00
PLEASANTVLY___LBMP 24000	28.68 1.21 0.00	25.96 1.12 0.00	23.75 1.04 0.00	22.08 0.89 0.00	25.16 0.97 0.00	29.16 0.90 0.00	35.03 1.18 0.00	40.55 1.52 0.00	41.16 1.47 0.00	38.69 1.56 0.00	37.69 1.41 0.00	36.03 1.42 0.00	35.33 1.42 0.00	34.35 1.45 0.00	33.84 1.46 0.00	34.03 1.50 0.00	35.84 1.54 0.00	41.06 1.69 0.00	42.67 1.60 0.00	45.46 1.71 0.00	46.86 1.72 0.00	41.19 1.32 0.00	35.35 1.16 0.00	32.23 1.09 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	28.90 1.43 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.36 1.10 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.51 1.83 0.00	39.06 1.93 0.00	38.05 1.78 0.00	36.37 1.76 0.00	35.67 1.76 0.00	34.68 1.78 0.00	34.19 1.81 0.00	34.36 1.82 0.00	36.21 1.92 0.00	41.45 2.09 0.00	43.08 2.01 0.00	45.85 2.10 0.00	47.32 2.17 0.00	41.55 1.67 0.00	35.66 1.47 0.00	32.47 1.34 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	28.90 1.43 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.30 1.11 0.00	29.36 1.10 0.00	35.26 1.42 0.00	40.90 1.87 0.00	41.51 1.83 0.00	39.06 1.93 0.00	38.05 1.78 0.00	36.37 1.76 0.00	35.67 1.76 0.00	34.68 1.78 0.00	34.19 1.81 0.00	34.36 1.82 0.00	36.21 1.92 0.00	41.45 2.09 0.00	43.08 2.01 0.00	45.85 2.10 0.00	47.32 2.17 0.00	41.55 1.67 0.00	35.66 1.47 0.00	32.47 1.34 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	28.85 1.37 0.00	26.11 1.27 0.00	23.86 1.16 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.33 1.07 0.00	35.26 1.42 0.00	40.82 1.80 0.00	41.43 1.75 0.00	38.87 1.75 0.00	37.87 1.60 0.00	36.13 1.52 0.00	35.44 1.53 0.00	34.45 1.55 0.00	33.97 1.59 0.00	34.13 1.59 0.00	35.97 1.68 0.00	41.25 1.89 0.00	42.87 1.81 0.00	45.72 1.97 0.00	47.14 1.99 0.00	41.43 1.56 0.00	35.56 1.37 0.00	32.44 1.31 0.00
POLETTI_____ 23519	29.04 1.57 0.00	26.23 1.39 0.00	23.98 1.27 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.41 1.16 0.00	35.33 1.49 0.00	40.98 1.95 0.00	41.62 1.94 0.02	39.24 2.12 0.00	38.19 1.92 0.00	36.54 1.94 0.00	35.84 1.93 0.00	34.85 1.94 0.00	34.39 2.01 0.00	34.59 2.05 0.00	36.44 2.16 0.02	41.67 2.32 0.02	43.27 2.22 0.02	46.06 2.32 0.02	47.48 2.35 0.02	41.63 1.75 0.00	35.76 1.57 0.00	32.57 1.43 0.00
POMONA___ESR 323819	28.82 1.35 0.00	26.11 1.27 0.00	23.86 1.16 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.30 1.05 0.00	35.23 1.39 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.98 1.86 0.00	37.98 1.71 0.00	36.27 1.66 0.00	35.57 1.66 0.00	34.58 1.68 0.00	34.10 1.72 0.00	34.26 1.72 0.00	36.11 1.82 0.00	41.29 1.93 0.00	42.92 1.85 0.00	45.77 2.01 0.00	47.23 2.08 0.00	41.39 1.52 0.00	35.52 1.33 0.00	32.35 1.21 0.00
PORT_JEFF_3 23555	32.14 2.33 -2.33	29.32 2.21 -2.27	27.09 2.07 -2.31	25.35 1.82 -2.34	28.23 2.01 -2.03	32.33 1.98 -2.10	38.79 2.54 -2.41	43.61 3.08 -1.50	44.21 3.01 -1.51	41.89 3.01 -1.76	40.65 2.68 -1.69	39.17 2.70 -1.86	38.51 2.68 -1.92	37.34 2.66 -1.77	36.52 2.49 -1.65	36.75 2.54 -1.67	38.80 2.64 -1.87	44.22 3.07 -1.79	47.64 2.96 -3.62	51.75 3.19 -4.80	51.70 3.21 -3.35	43.65 2.67 -1.10	37.97 2.33 -1.45	34.87 2.12 -1.61
PORT_JEFF_4 23616	32.14 2.33 -2.33	29.32 2.21 -2.27	27.09 2.07 -2.31	25.35 1.82 -2.34	28.23 2.01 -2.03	32.33 1.98 -2.10	38.79 2.54 -2.41	43.61 3.08 -1.50	44.21 3.01 -1.51	41.89 3.01 -1.76	40.65 2.68 -1.69	39.17 2.70 -1.86	38.51 2.68 -1.92	37.34 2.66 -1.77	36.52 2.49 -1.65	36.75 2.54 -1.67	38.80 2.64 -1.87	44.22 3.07 -1.79	47.64 2.96 -3.62	51.75 3.19 -4.80	51.70 3.21 -3.35	43.65 2.67 -1.10	37.97 2.33 -1.45	34.87 2.12 -1.61



PORT_JEFF_IC 23713	32.36 2.42 -2.47	29.44 2.21 -2.39	27.23 2.09 -2.44	25.49 1.84 -2.46	28.37 2.03 -2.14	32.47 2.01 -2.21	39.01 2.57 -2.60	43.76 3.12 -1.61	44.33 3.02 -1.63	42.03 3.01 -1.90	40.79 2.68 -1.84	39.35 2.73 -2.01	38.71 2.71 -2.08	37.51 2.70 -1.90	36.67 2.53 -1.76	36.90 2.57 -1.79	38.90 2.64 -1.97	44.39 3.15 -1.88	47.88 3.00 -3.81	52.01 3.19 -5.06	51.93 3.25 -3.53	43.78 2.71 -1.19	38.10 2.36 -1.55	35.00 2.15 -1.71
PPL PILGRIM_ST_GT1 24216	32.95 2.44 -3.03	30.02 2.28 -2.89	27.79 2.13 -2.95	26.05 1.88 -2.98	28.87 2.08 -2.59	33.05 2.12 -2.67	39.92 2.67 -3.40	44.36 3.24 -2.10	44.99 3.18 -2.13	42.74 3.15 -2.46	41.59 2.86 -2.46	40.12 2.84 -2.67	39.48 2.81 -2.76	38.14 2.76 -2.47	37.31 2.69 -2.24	37.56 2.73 -2.29	39.51 2.84 -2.38	44.90 3.27 -2.28	48.89 3.21 -4.62	53.34 3.46 -6.13	52.95 3.52 -4.27	44.36 2.91 -1.57	38.73 2.57 -1.98	35.58 2.30 -2.14
PPL PILGRIM_ST_GT2 24217	32.95 2.44 -3.03	30.02 2.28 -2.89	27.79 2.13 -2.95	26.05 1.88 -2.98	28.87 2.08 -2.59	33.05 2.12 -2.67	39.92 2.67 -3.40	44.36 3.24 -2.10	44.99 3.18 -2.13	42.74 3.15 -2.46	41.59 2.86 -2.46	40.12 2.84 -2.67	39.48 2.81 -2.76	38.14 2.76 -2.47	37.31 2.69 -2.24	37.56 2.73 -2.29	39.51 2.84 -2.38	44.90 3.27 -2.28	48.89 3.21 -4.62	53.34 3.46 -6.13	52.95 3.52 -4.27	44.36 2.91 -1.57	38.73 2.57 -1.98	35.58 2.30 -2.14
PPL_SHRM_GT3 24213	32.26 2.39 -2.39	29.40 2.24 -2.33	27.26 2.18 -2.37	25.47 1.88 -2.40	28.38 2.10 -2.09	32.35 1.95 -2.15	38.88 2.54 -2.50	43.66 3.08 -1.55	44.27 3.01 -1.57	41.92 2.97 -1.82	40.64 2.61 -1.76	39.31 2.77 -1.93	38.62 2.71 -2.00	37.44 2.70 -1.83	36.38 2.30 -1.70	36.64 2.37 -1.73	38.54 2.33 -1.91	44.15 2.95 -1.83	47.44 2.67 -3.71	51.61 2.93 -4.92	51.47 2.89 -3.43	43.45 2.43 -1.14	37.81 2.12 -1.50	34.70 1.90 -1.66
PPL_SHRM_GT4 24214	32.26 2.39 -2.39	29.40 2.24 -2.33	27.26 2.18 -2.37	25.47 1.88 -2.40	28.38 2.10 -2.09	32.35 1.95 -2.15	38.88 2.54 -2.50	43.66 3.08 -1.55	44.27 3.01 -1.57	41.92 2.97 -1.82	40.64 2.61 -1.76	39.31 2.77 -1.93	38.62 2.71 -2.00	37.44 2.70 -1.83	36.38 2.30 -1.70	36.64 2.37 -1.73	38.54 2.33 -1.91	44.15 2.95 -1.83	47.44 2.67 -3.71	51.61 2.93 -4.92	51.47 2.89 -3.43	43.45 2.43 -1.14	37.81 2.12 -1.50	34.70 1.90 -1.66
PROJECT___ORANGE 1 24174	27.06 -0.41 0.00	24.42 -0.42 0.00	22.32 -0.39 0.00	20.85 -0.34 0.00	23.71 -0.48 0.00	27.52 -0.73 0.00	33.03 -0.81 0.00	38.05 -0.98 0.00	38.77 -0.91 0.00	36.24 -0.89 0.00	35.36 -0.91 0.00	33.74 -0.87 0.00	32.99 -0.92 0.00	31.92 -0.99 0.00	31.41 -0.97 0.00	31.66 -0.88 0.00	33.37 -0.93 0.00	38.22 -1.14 0.00	39.96 -1.11 0.00	42.62 -1.14 0.00	44.11 -1.04 0.00	38.96 -0.92 0.00	33.37 -0.82 0.00	30.39 -0.75 0.00
PROJECT___ORANGE 2 24166	27.06 -0.41 0.00	24.42 -0.42 0.00	22.32 -0.39 0.00	20.85 -0.34 0.00	23.71 -0.48 0.00	27.52 -0.73 0.00	33.03 -0.81 0.00	38.05 -0.98 0.00	38.77 -0.91 0.00	36.24 -0.89 0.00	35.36 -0.91 0.00	33.74 -0.87 0.00	32.99 -0.92 0.00	31.92 -0.99 0.00	31.41 -0.97 0.00	31.66 -0.88 0.00	33.37 -0.93 0.00	38.22 -1.14 0.00	39.96 -1.11 0.00	42.62 -1.14 0.00	44.11 -1.04 0.00	38.96 -0.92 0.00	33.37 -0.82 0.00	30.39 -0.75 0.00
PUCKETT___SOLAR 323809	27.94 0.47 0.00	25.21 0.37 0.00	23.07 0.36 0.00	21.59 0.40 0.00	24.55 0.36 0.00	28.48 0.22 0.00	34.15 0.30 0.00	39.26 0.24 0.00	39.89 0.20 0.00	37.24 0.11 0.00	36.27 0.00 0.00	34.54 -0.07 0.00	33.74 -0.17 0.00	32.68 -0.23 0.00	32.16 -0.23 0.00	32.38 -0.16 0.00	34.22 -0.07 0.00	39.32 -0.04 0.00	41.19 0.12 0.00	43.97 0.22 0.00	45.55 0.41 0.00	40.20 0.32 0.00	34.36 0.17 0.00	31.23 0.09 0.00
PYRITES___HYD 24023	27.56 0.08 0.00	24.87 0.02 0.00	22.71 0.00 0.00	21.25 0.06 0.00	24.41 0.22 0.00	28.96 0.71 0.00	34.45 0.61 0.00	39.73 0.70 0.00	40.28 0.60 0.00	37.54 0.41 0.00	36.63 0.36 0.00	34.78 0.17 0.00	34.21 0.31 0.00	33.20 0.30 0.00	32.54 0.16 0.00	32.57 0.03 0.00	34.60 0.31 0.00	39.80 0.43 0.00	41.68 0.62 0.00	44.41 0.66 0.00	45.74 0.59 0.00	40.84 0.96 0.00	35.15 0.96 0.00	31.76 0.62 0.00
QUAKERRD_115KV_BK1 80622	26.13 -1.35 0.00	23.47 -1.37 0.00	21.43 -1.27 0.00	20.11 -1.08 0.00	22.74 -1.45 0.00	26.36 -1.89 0.00	31.44 -2.40 0.00	36.02 -3.00 0.00	36.95 -2.74 0.00	34.38 -2.75 0.00	33.48 -2.79 0.00	32.18 -2.42 0.00	31.37 -2.54 0.00	30.27 -2.63 0.00	29.76 -2.62 0.00	30.06 -2.47 0.00	31.65 -2.64 0.00	36.37 -2.99 0.00	38.19 -2.87 0.00	40.69 -3.06 0.00	42.30 -2.84 0.00	37.33 -2.55 0.00	31.80 -2.39 0.00	28.93 -2.21 0.00
QUENSBRY_115KV_TB8 356137	28.82 1.35 0.00	26.03 1.19 0.00	23.80 1.09 0.00	22.16 0.97 0.00	25.25 1.06 0.00	29.44 1.19 0.00	35.36 1.52 0.00	40.94 1.91 0.00	41.55 1.87 0.00	38.72 1.60 0.00	37.87 1.60 0.00	36.09 1.49 0.00	35.20 1.29 0.00	34.29 1.38 0.00	33.71 1.33 0.00	33.68 1.14 0.00	35.42 1.13 0.00	40.70 1.34 0.00	42.59 1.52 0.00	45.33 1.58 0.00	47.09 1.94 0.00	41.47 1.60 0.00	35.59 1.40 0.00	32.41 1.28 0.00
RAMAPO___LBMP 323565	28.71 1.24 0.00	25.98 1.14 0.00	23.75 1.04 0.00	22.08 0.89 0.00	25.16 0.97 0.00	29.16 0.90 0.00	35.06 1.22 0.00	40.59 1.56 0.00	41.20 1.51 0.00	38.76 1.63 0.00	37.76 1.49 0.00	36.09 1.49 0.00	35.40 1.49 0.00	34.39 1.48 0.00	33.90 1.52 0.00	34.07 1.53 0.00	35.90 1.61 0.00	41.10 1.73 0.00	42.71 1.64 0.00	45.50 1.75 0.00	46.95 1.81 0.00	41.27 1.40 0.00	35.42 1.23 0.00	32.26 1.12 0.00
RANKINE____ 23646	26.54 -0.93 0.00	23.72 -1.12 0.00	21.66 -1.04 0.00	20.42 -0.76 0.00	22.91 -1.28 0.00	26.48 -1.78 0.00	31.27 -2.57 0.00	35.55 -3.47 0.00	36.43 -3.25 0.00	33.68 -3.45 0.00	32.75 -3.52 0.00	31.46 -3.15 0.00	30.55 -3.36 0.00	29.45 -3.46 0.00	28.82 -3.56 0.00	29.01 -3.51 0.01	30.76 -3.53 0.00	35.43 -3.94 0.00	37.53 -3.53 0.00	39.90 -3.85 0.00	41.67 -3.48 0.00	36.89 -2.99 0.00	31.52 -2.67 0.00	28.77 -2.37 0.00
RAVENSWOOD_GT2_1 24244	29.07 1.59 0.00	26.26 1.42 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00
RAVENSWOOD_GT2_2 24245	29.07 1.59 0.00	26.26 1.42 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00



RAVENSWOOD_GT2_3 24246	29.07 1.59 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.42 1.23 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.27 1.99 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.91 2.01 0.00	34.45 2.07 0.00	34.65 2.11 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.75 1.87 0.00	35.87 1.68 0.00	32.66 1.53 0.00
RAVENSWOOD_GT2_4 24247	29.07 1.59 0.00	26.28 1.44 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.42 1.23 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.27 1.99 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.91 2.01 0.00	34.45 2.07 0.00	34.65 2.11 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.75 1.87 0.00	35.87 1.68 0.00	32.66 1.53 0.00
RAVENSWOOD_GT3_1 24248	29.07 1.59 0.00	26.26 1.42 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.27 1.99 0.00	36.61 2.01 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00
RAVENSWOOD_GT3_2 24249	29.07 1.59 0.00	26.26 1.42 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.27 1.99 0.00	36.61 2.01 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00
RAVENSWOOD_GT3_3 24250	29.09 1.62 0.00	26.31 1.47 0.00	24.05 1.34 0.00	22.33 1.14 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.13 2.11 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.69 2.15 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.41 2.34 0.00	46.20 2.45 0.00	47.63 2.48 0.00	41.79 1.91 0.00	35.87 1.68 0.00	32.69 1.56 0.00
RAVENSWOOD_GT3_4 24251	29.09 1.62 0.00	26.31 1.47 0.00	24.05 1.34 0.00	22.33 1.14 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.13 2.11 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.69 2.15 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.41 2.34 0.00	46.20 2.45 0.00	47.63 2.48 0.00	41.79 1.91 0.00	35.87 1.68 0.00	32.69 1.56 0.00
RAVENSWOOD_GT_1 23729	29.21 1.73 -0.01	26.38 1.54 0.00	24.14 1.43 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.56 1.30 0.00	35.50 1.66 0.00	41.13 2.11 0.00	41.75 2.06 0.00	39.36 2.23 0.00	38.30 2.03 0.00	36.68 2.08 0.00	36.01 2.10 0.00	35.01 2.11 0.00	34.52 2.14 0.00	34.72 2.18 0.00	36.59 2.30 0.00	41.84 2.48 0.00	43.41 2.34 0.00	46.21 2.45 0.00	47.63 2.48 0.00	41.75 1.87 0.00	35.94 1.74 0.00	32.80 1.65 -0.01
RAVENSWOOD_GT_10 24258	29.07 1.59 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00
RAVENSWOOD_GT_11 24259	29.07 1.59 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00
RAVENSWOOD_GT_4 24252	29.03 1.57 0.01	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.75 1.87 0.00	35.83 1.64 0.00	32.63 1.49 0.01
RAVENSWOOD_GT_5 24254	29.03 1.57 0.01	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.75 1.87 0.00	35.83 1.64 0.00	32.63 1.49 0.01
RAVENSWOOD_GT_6 24253	29.03 1.57 0.01	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.75 1.87 0.00	35.83 1.64 0.00	32.63 1.49 0.01
RAVENSWOOD_GT_7 24255	29.03 1.57 0.01	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.75 1.87 0.00	35.83 1.64 0.00	32.63 1.49 0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	29.07 1.59 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00
RAVENSWOOD_GT_9 24257	29.07 1.59 0.00	26.26 1.42 0.00	24.00 1.29 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.27 1.99 0.00	36.58 1.97 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.19 0.00	41.76 2.40 0.00	43.37 2.30 0.00	46.16 2.41 0.00	47.59 2.44 0.00	41.71 1.83 0.00	35.83 1.64 0.00	32.63 1.49 0.00



RAVENSWOOD___1 23533	29.13 1.65 -0.01	26.36 1.52 0.00	24.11 1.41 0.00	22.39 1.21 0.00	25.50 1.31 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.26 1.99 0.00	36.65 2.04 0.00	35.98 2.07 0.00	34.98 2.07 0.00	34.52 2.14 0.00	34.62 2.08 0.00	36.55 2.26 0.00	41.77 2.40 0.00	43.36 2.30 0.00	46.25 2.49 0.00	47.58 2.44 0.00	41.75 1.87 0.00	36.00 1.81 0.00	32.76 1.62 -0.01
RAVENSWOOD___2 23534	29.10 1.62 -0.01	26.36 1.52 0.00	24.11 1.41 0.00	22.37 1.19 0.00	25.47 1.28 0.00	29.50 1.24 0.00	35.47 1.62 0.00	41.09 2.07 0.00	41.71 2.02 0.00	39.32 2.19 0.00	38.26 1.99 0.00	36.61 2.01 0.00	35.98 2.07 0.00	34.98 2.07 0.00	34.48 2.10 0.00	34.62 2.08 0.00	36.52 2.23 0.00	41.77 2.40 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.75 1.87 0.00	36.00 1.81 0.00	32.76 1.62 -0.01
RAVENSWOOD___3 23535	29.01 1.54 0.00	26.26 1.42 0.00	24.02 1.32 0.00	22.31 1.12 0.00	25.40 1.21 0.00	29.44 1.19 0.00	35.43 1.59 0.00	41.05 2.03 0.00	41.71 2.02 0.00	39.28 2.15 0.00	38.26 1.99 0.00	36.61 2.01 0.00	35.91 2.00 0.00	34.91 2.01 0.00	34.42 2.04 0.00	34.62 2.08 0.00	36.49 2.20 0.00	41.69 2.32 0.00	43.36 2.30 0.00	46.20 2.45 0.00	47.58 2.44 0.00	41.71 1.84 0.00	35.83 1.64 0.00	32.63 1.49 0.00
RAVENSWOOD___4 23820	29.10 1.62 -0.01	26.36 1.52 0.00	24.09 1.39 0.00	22.37 1.19 0.00	25.47 1.28 0.00	29.47 1.21 0.00	35.43 1.59 0.00	41.05 2.03 0.00	41.67 1.98 0.00	39.32 2.19 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.48 2.10 0.00	34.62 2.08 0.00	36.52 2.23 0.00	41.73 2.36 0.00	43.32 2.26 0.00	46.20 2.45 0.00	47.54 2.39 0.00	41.71 1.84 0.00	35.97 1.78 0.00	32.76 1.62 -0.01
RCPL_TRUST___DRP 24196	29.09 1.62 0.00	26.31 1.47 0.00	24.05 1.34 0.00	22.33 1.14 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.50 1.66 0.00	41.17 2.15 0.00	41.83 2.14 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.68 2.08 0.00	36.01 2.10 0.00	34.98 2.07 0.00	34.52 2.14 0.00	34.72 2.18 0.00	36.56 2.26 0.00	41.84 2.48 0.00	43.45 2.38 0.00	46.25 2.49 0.00	47.68 2.53 0.00	41.79 1.91 0.00	35.90 1.71 0.00	32.69 1.56 0.00
RED___ROCHESTER 323720	26.73 -0.74 0.00	24.00 -0.84 0.00	21.91 -0.80 0.00	20.59 -0.59 0.00	23.22 -0.97 0.00	26.93 -1.33 0.00	32.08 -1.76 0.00	36.69 -2.34 0.00	37.70 -1.98 0.00	35.05 -2.08 0.00	34.13 -2.14 0.00	32.84 -1.76 0.00	31.98 -1.93 0.00	30.83 -2.07 0.00	30.28 -2.10 0.00	30.64 -1.89 0.00	32.27 -2.02 0.00	37.16 -2.20 0.00	39.01 -2.05 0.00	41.57 -2.19 0.00	43.25 -1.89 0.00	38.16 -1.71 0.00	32.45 -1.74 0.00	29.48 -1.65 0.00
REGAN___SOLAR 323812	28.98 1.51 0.00	26.13 1.29 0.00	23.91 1.20 0.00	22.29 1.10 0.00	25.40 1.21 0.00	29.61 1.36 0.00	35.50 1.66 0.00	41.05 2.03 0.00	41.59 1.90 0.00	38.72 1.60 0.00	37.79 1.52 0.00	36.03 1.42 0.00	35.16 1.26 0.00	34.19 1.28 0.00	33.61 1.23 0.00	33.84 1.30 0.00	35.73 1.44 0.00	41.09 1.73 0.00	43.16 2.09 0.00	46.03 2.27 0.00	47.49 2.35 0.00	41.91 2.03 0.00	35.87 1.67 0.00	32.60 1.46 0.00
RENSSELAER___COGEN 23796	27.94 0.47 0.00	25.34 0.50 0.00	23.21 0.50 0.00	21.63 0.45 0.00	24.63 0.44 0.00	28.37 0.11 0.00	33.94 0.10 0.00	39.10 0.08 0.00	39.65 -0.04 0.00	37.05 -0.07 0.00	36.23 -0.04 0.00	34.57 -0.03 0.00	33.88 -0.03 0.00	32.97 0.07 0.00	32.45 0.06 0.00	32.60 0.07 0.00	34.26 -0.03 0.00	39.40 0.04 0.00	41.02 -0.04 0.00	43.71 -0.04 0.00	44.92 -0.22 0.00	39.76 -0.12 0.00	34.09 -0.10 0.00	31.20 0.06 0.00
REPUBLIC_115KV_BARTNBRK 55605	29.45 1.98 0.00	26.45 1.61 0.00	24.21 1.50 0.00	22.52 1.33 0.00	25.62 1.43 0.00	30.09 1.84 0.00	36.14 2.30 0.00	41.99 2.97 0.00	42.54 2.86 0.00	39.47 2.34 0.00	38.52 2.25 0.00	36.68 2.08 0.00	35.67 1.76 0.00	34.78 1.88 0.00	34.19 1.81 0.00	34.33 1.79 0.00	36.18 1.89 0.00	41.61 2.24 0.00	43.82 2.75 0.00	46.60 2.84 0.00	48.40 3.25 0.00	42.51 2.63 0.00	36.41 2.22 0.00	33.07 1.93 0.00
REVERE_CPPR_DRP 24186	28.08 0.60 0.00	25.34 0.50 0.00	23.21 0.50 0.00	21.69 0.51 0.00	24.87 0.68 0.00	28.99 0.73 0.00	34.79 0.95 0.00	40.00 0.98 0.00	40.76 1.07 0.00	38.02 0.89 0.00	37.14 0.87 0.00	35.20 0.59 0.00	34.49 0.58 0.00	33.47 0.56 0.00	32.93 0.55 0.00	33.16 0.62 0.00	35.05 0.75 0.00	40.27 0.91 0.00	42.13 1.07 0.00	44.80 1.05 0.00	46.41 1.26 0.00	40.92 1.04 0.00	35.05 0.85 0.00	31.79 0.65 0.00
REYNLDPA_13_KV_LD 356490	27.42 -0.05 0.00	24.77 -0.07 0.00	22.62 -0.09 0.00	21.14 -0.04 0.00	24.19 0.00 0.00	28.59 0.34 0.00	34.08 0.24 0.00	39.42 0.39 0.00	40.12 0.44 0.00	37.54 0.41 0.00	36.74 0.47 0.00	34.99 0.38 0.00	34.42 0.51 0.00	33.37 0.46 0.00	32.80 0.42 0.00	32.86 0.33 0.00	34.81 0.51 0.00	39.91 0.55 0.00	41.56 0.49 0.00	44.37 0.61 0.00	45.69 0.54 0.00	40.52 0.64 0.00	34.81 0.62 0.00	31.54 0.40 0.00
REYNOLDS_115KV_TB3 80639	28.00 0.52 0.00	25.46 0.62 0.00	23.32 0.61 0.00	21.74 0.55 0.00	24.75 0.56 0.00	28.57 0.31 0.00	34.18 0.34 0.00	39.34 0.31 0.00	39.85 0.16 0.00	37.20 0.07 0.00	36.45 0.18 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.14 0.23 0.00	32.61 0.23 0.00	32.73 0.20 0.00	34.39 0.10 0.00	39.64 0.28 0.00	41.23 0.16 0.00	43.93 0.18 0.00	45.19 0.05 0.00	39.96 0.08 0.00	34.26 0.07 0.00	31.35 0.22 0.00
RIVERBAY____ 323610	29.54 2.06 -0.01	26.70 1.86 0.00	24.41 1.70 0.00	22.67 1.48 0.00	25.81 1.62 0.00	29.78 1.53 0.00	35.74 1.90 0.00	41.29 2.26 0.00	41.79 2.10 0.00	39.39 2.26 0.00	38.30 2.03 0.00	36.75 2.15 0.00	36.01 2.10 0.00	35.01 2.11 0.00	34.55 2.17 0.00	34.69 2.15 0.00	36.56 2.26 0.00	41.84 2.48 0.00	43.41 2.34 0.00	46.25 2.49 0.00	47.63 2.48 0.00	41.79 1.91 0.00	36.11 1.91 0.00	33.04 1.90 -0.01
RIVERSDE_115KV_TB3 55908	27.91 0.44 0.00	25.41 0.57 0.00	23.27 0.57 0.00	21.72 0.53 0.00	24.70 0.51 0.00	28.48 0.23 0.00	34.08 0.24 0.00	39.26 0.23 0.00	39.77 0.08 0.00	37.17 0.04 0.00	36.38 0.11 0.00	34.71 0.10 0.00	34.01 0.10 0.00	33.10 0.20 0.00	32.58 0.19 0.00	32.70 0.16 0.00	34.36 0.07 0.00	39.56 0.20 0.00	41.15 0.08 0.00	43.84 0.09 0.00	45.10 -0.05 0.00	39.88 0.00 0.00	34.19 0.00 0.00	31.29 0.16 0.00
ROARING___BROOK_WT_PWR 323790	27.14 -0.33 0.00	24.59 -0.25 0.00	22.52 -0.18 0.00	21.04 -0.15 0.00	24.05 -0.14 0.00	28.12 -0.14 0.00	33.67 -0.17 0.00	38.83 -0.19 0.00	39.53 -0.16 0.00	36.98 -0.15 0.00	36.16 -0.11 0.00	34.47 -0.14 0.00	33.81 -0.10 0.00	32.77 -0.13 0.00	32.22 -0.16 0.00	32.34 -0.19 0.00	34.05 -0.24 0.00	39.09 -0.27 0.00	40.74 -0.33 0.00	43.23 -0.52 0.00	44.79 -0.36 0.00	39.60 -0.28 0.00	33.95 -0.24 0.00	30.92 -0.22 0.00



ROCHESRG_115KV_T4 355643	26.51 -0.96 0.00	23.80 -1.04 0.00	21.73 -0.98 0.00	20.40 -0.78 0.00	23.03 -1.16 0.00	26.70 -1.55 0.00	31.78 -2.06 0.00	36.33 -2.69 0.00	37.27 -2.42 0.00	34.64 -2.49 0.00	33.73 -2.54 0.00	32.43 -2.18 0.00	31.57 -2.34 0.00	30.47 -2.44 0.00	29.92 -2.46 0.00	30.22 -2.31 0.00	31.86 -2.43 0.00	36.61 -2.76 0.00	38.52 -2.55 0.00	41.04 -2.71 0.00	42.67 -2.48 0.00	37.69 -2.19 0.00	32.11 -2.09 0.00	29.24 -1.90 0.00
ROCHESTER_9_IC 23652	26.65 -0.82 0.00	23.92 -0.92 0.00	21.82 -0.89 0.00	20.49 -0.70 0.00	23.15 -1.04 0.00	26.81 -1.44 0.00	31.95 -1.90 0.00	36.53 -2.50 0.00	37.50 -2.18 0.00	34.86 -2.26 0.00	33.95 -2.32 0.00	32.67 -1.94 0.00	31.81 -2.10 0.00	30.67 -2.24 0.00	30.11 -2.27 0.00	30.45 -2.08 0.00	32.10 -2.19 0.00	36.84 -2.52 0.00	38.77 -2.30 0.00	41.30 -2.45 0.00	42.98 -2.17 0.00	37.92 -1.95 0.00	32.28 -1.91 0.00	29.36 -1.77 0.00
ROCKVIEW_13_KV_LD 356306	28.98 1.51 0.00	26.23 1.39 0.00	23.98 1.27 0.00	22.27 1.08 0.00	25.38 1.19 0.00	29.44 1.19 0.00	35.40 1.56 0.00	41.06 2.03 0.00	41.71 2.02 0.00	39.24 2.12 0.00	38.23 1.96 0.00	36.54 1.94 0.00	35.88 1.97 0.00	34.85 1.94 0.00	34.36 1.98 0.00	34.52 1.98 0.00	36.38 2.09 0.00	41.65 2.28 0.00	43.28 2.22 0.00	46.07 2.32 0.00	47.54 2.39 0.00	41.71 1.83 0.00	35.80 1.61 0.00	32.60 1.46 0.00
ROME____115KV_TB2 80656	28.08 0.60 0.00	25.34 0.50 0.00	23.21 0.50 0.00	21.69 0.51 0.00	24.87 0.68 0.00	28.99 0.73 0.00	34.79 0.95 0.00	40.00 0.98 0.00	40.76 1.07 0.00	38.02 0.89 0.00	37.14 0.87 0.00	35.20 0.59 0.00	34.49 0.58 0.00	33.47 0.56 0.00	32.93 0.55 0.00	33.16 0.62 0.00	35.05 0.75 0.00	40.27 0.91 0.00	42.13 1.07 0.00	44.80 1.05 0.00	46.41 1.26 0.00	40.92 1.04 0.00	35.05 0.85 0.00	31.79 0.65 0.00
ROSETON___1 23587	28.63 1.15 0.00	25.96 1.12 0.00	23.73 1.02 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.13 0.88 0.00	35.03 1.18 0.00	40.55 1.52 0.00	41.16 1.47 0.00	38.69 1.56 0.00	37.68 1.41 0.00	36.03 1.42 0.00	35.33 1.42 0.00	34.35 1.45 0.00	33.84 1.46 0.00	34.00 1.47 0.00	35.84 1.54 0.00	41.02 1.65 0.00	42.67 1.60 0.00	45.51 1.75 0.00	46.86 1.72 0.00	41.19 1.31 0.00	35.36 1.16 0.00	32.23 1.09 0.00
ROSETON___2 23588	28.63 1.15 0.00	25.96 1.12 0.00	23.73 1.02 0.00	22.05 0.87 0.00	25.13 0.94 0.00	29.13 0.88 0.00	35.03 1.18 0.00	40.55 1.52 0.00	41.16 1.47 0.00	38.69 1.56 0.00	37.68 1.41 0.00	36.03 1.42 0.00	35.33 1.42 0.00	34.35 1.45 0.00	33.84 1.46 0.00	34.00 1.47 0.00	35.84 1.54 0.00	41.02 1.65 0.00	42.67 1.60 0.00	45.51 1.75 0.00	46.86 1.72 0.00	41.19 1.31 0.00	35.36 1.16 0.00	32.23 1.09 0.00
ROTTRDAM_115KV_TB3 80664	28.11 0.63 0.00	25.44 0.60 0.00	23.30 0.59 0.00	21.72 0.53 0.00	24.75 0.56 0.00	28.74 0.48 0.00	34.42 0.58 0.00	39.73 0.70 0.00	40.28 0.60 0.00	37.65 0.52 0.00	36.81 0.54 0.00	35.09 0.48 0.00	34.35 0.44 0.00	33.40 0.49 0.00	32.87 0.49 0.00	32.99 0.46 0.00	34.77 0.48 0.00	39.95 0.59 0.00	41.68 0.62 0.00	44.41 0.66 0.00	45.83 0.68 0.00	40.44 0.56 0.00	34.67 0.48 0.00	31.63 0.50 0.00
RUSSELL___1 23602	26.76 -0.71 0.00	24.00 -0.84 0.00	21.91 -0.79 0.00	20.57 -0.61 0.00	23.22 -0.97 0.00	26.90 -1.36 0.00	32.08 -1.76 0.00	36.68 -2.34 0.00	37.70 -1.98 0.00	35.05 -2.08 0.00	34.13 -2.14 0.00	32.84 -1.76 0.00	31.98 -1.93 0.00	30.83 -2.07 0.00	30.28 -2.10 0.00	30.65 -1.89 0.00	32.27 -2.02 0.00	37.04 -2.32 0.00	39.01 -2.05 0.00	41.52 -2.23 0.00	43.25 -1.90 0.00	38.16 -1.71 0.00	32.45 -1.74 0.00	29.49 -1.65 0.00
RUSSELL___2 23532	26.76 -0.71 0.00	24.00 -0.84 0.00	21.91 -0.79 0.00	20.57 -0.61 0.00	23.22 -0.97 0.00	26.90 -1.36 0.00	32.08 -1.76 0.00	36.68 -2.34 0.00	37.70 -1.98 0.00	35.05 -2.08 0.00	34.13 -2.14 0.00	32.84 -1.76 0.00	31.98 -1.93 0.00	30.83 -2.07 0.00	30.28 -2.10 0.00	30.65 -1.89 0.00	32.27 -2.02 0.00	37.04 -2.32 0.00	39.01 -2.05 0.00	41.52 -2.23 0.00	43.25 -1.90 0.00	38.16 -1.71 0.00	32.45 -1.74 0.00	29.49 -1.65 0.00
RUSSELL___3 23549	26.76 -0.71 0.00	24.00 -0.84 0.00	21.91 -0.79 0.00	20.57 -0.61 0.00	23.22 -0.97 0.00	26.90 -1.36 0.00	32.08 -1.76 0.00	36.68 -2.34 0.00	37.70 -1.98 0.00	35.05 -2.08 0.00	34.13 -2.14 0.00	32.84 -1.76 0.00	31.98 -1.93 0.00	30.83 -2.07 0.00	30.28 -2.10 0.00	30.65 -1.89 0.00	32.27 -2.02 0.00	37.04 -2.32 0.00	39.01 -2.05 0.00	41.52 -2.23 0.00	43.25 -1.90 0.00	38.16 -1.71 0.00	32.45 -1.74 0.00	29.49 -1.65 0.00
RUSSELL___4 23556	26.76 -0.71 0.00	24.00 -0.84 0.00	21.91 -0.79 0.00	20.57 -0.61 0.00	23.22 -0.97 0.00	26.90 -1.36 0.00	32.08 -1.76 0.00	36.68 -2.34 0.00	37.70 -1.98 0.00	35.05 -2.08 0.00	34.13 -2.14 0.00	32.84 -1.76 0.00	31.98 -1.93 0.00	30.83 -2.07 0.00	30.28 -2.10 0.00	30.65 -1.89 0.00	32.27 -2.02 0.00	37.04 -2.32 0.00	39.01 -2.05 0.00	41.52 -2.23 0.00	43.25 -1.90 0.00	38.16 -1.71 0.00	32.45 -1.74 0.00	29.49 -1.65 0.00
RUSSELL___STATION 23914	26.76 -0.71 0.00	24.00 -0.84 0.00	21.91 -0.79 0.00	20.57 -0.61 0.00	23.22 -0.97 0.00	26.90 -1.36 0.00	32.08 -1.76 0.00	36.68 -2.34 0.00	37.70 -1.98 0.00	35.05 -2.08 0.00	34.13 -2.14 0.00	32.84 -1.76 0.00	31.98 -1.93 0.00	30.83 -2.07 0.00	30.28 -2.10 0.00	30.65 -1.89 0.00	32.27 -2.02 0.00	37.04 -2.32 0.00	39.01 -2.05 0.00	41.52 -2.23 0.00	43.25 -1.90 0.00	38.16 -1.71 0.00	32.45 -1.74 0.00	29.49 -1.65 0.00
S SALMON___HYD 24043	26.68 -0.80 0.00	24.07 -0.77 0.00	22.03 -0.68 0.00	20.59 -0.59 0.00	23.54 -0.65 0.00	27.41 -0.85 0.00	32.93 -0.91 0.00	37.89 -1.13 0.00	38.53 -1.15 0.00	35.94 -1.19 0.00	35.04 -1.23 0.00	33.36 -1.24 0.00	32.62 -1.29 0.00	31.59 -1.32 0.00	31.08 -1.30 0.00	31.37 -1.17 0.00	33.06 -1.23 0.00	38.07 -1.30 0.00	39.92 -1.15 0.00	42.57 -1.18 0.00	44.11 -1.04 0.00	38.92 -0.96 0.00	33.37 -0.82 0.00	30.30 -0.84 0.00
S.PERRY__115KV_TB1 80734	27.53 0.05 0.00	24.67 -0.17 0.00	22.50 -0.20 0.00	21.14 -0.04 0.00	23.83 -0.36 0.00	27.61 -0.65 0.00	32.93 -0.91 0.00	37.58 -1.44 0.00	38.26 -1.43 0.00	35.27 -1.86 0.00	34.17 -2.10 0.00	32.70 -1.90 0.00	31.77 -2.14 0.00	30.57 -2.34 0.00	30.02 -2.36 0.00	30.38 -2.15 0.01	32.27 -2.02 0.00	37.32 -2.05 0.00	39.63 -1.44 0.00	42.49 -1.27 0.00	44.43 -0.72 0.00	39.24 -0.64 0.00	33.27 -0.92 0.00	30.11 -1.03 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	26.26 -1.21 0.00	23.47 -1.37 0.00	21.43 -1.27 0.00	20.21 -0.97 0.00	22.69 -1.50 0.00	26.19 -2.06 0.00	30.93 -2.91 0.00	35.08 -3.94 0.00	36.00 -3.69 0.00	33.27 -3.86 0.00	32.39 -3.88 0.00	31.11 -3.50 0.00	30.25 -3.66 0.00	29.15 -3.75 0.00	28.53 -3.85 0.00	28.76 -3.77 0.01	30.45 -3.84 0.00	35.07 -4.29 0.00	37.16 -3.90 0.00	39.47 -4.29 0.00	41.22 -3.93 0.00	36.45 -3.43 0.00	31.15 -3.04 0.00	28.52 -2.62 0.00



SAWYER___23_KV_LOAD 55526	26.26 -1.21 0.00	23.47 -1.37 0.00	21.43 -1.27 0.00	20.21 -0.97 0.00	22.69 -1.50 0.00	26.19 -2.06 0.00	30.93 -2.91 0.00	35.08 -3.94 0.00	36.00 -3.69 0.00	33.27 -3.86 0.00	32.39 -3.88 0.00	31.11 -3.50 0.00	30.25 -3.66 0.00	29.15 -3.75 0.00	28.53 -3.85 0.00	28.76 -3.77 0.01	30.45 -3.84 0.00	35.07 -4.29 0.00	37.16 -3.90 0.00	39.47 -4.29 0.00	41.22 -3.93 0.00	36.45 -3.43 0.00	31.15 -3.04 0.00	28.52 -2.62 0.00
SELKIRK___I 23801	28.08 0.60 0.00	25.44 0.60 0.00	23.30 0.59 0.00	21.72 0.53 0.00	24.72 0.53 0.00	28.57 0.31 0.00	34.18 0.34 0.00	39.38 0.35 0.00	39.93 0.24 0.00	37.28 0.15 0.00	36.45 0.18 0.00	34.75 0.14 0.00	34.01 0.10 0.00	33.10 0.20 0.00	32.58 0.20 0.00	32.77 0.23 0.00	34.46 0.17 0.00	39.64 0.28 0.00	41.31 0.25 0.00	44.02 0.26 0.00	45.33 0.18 0.00	40.08 0.20 0.00	34.40 0.21 0.00	31.45 0.31 0.00
SELKIRK___II 23799	27.97 0.50 0.00	25.36 0.52 0.00	23.23 0.52 0.00	21.65 0.47 0.00	24.65 0.46 0.00	28.45 0.20 0.00	34.08 0.24 0.00	39.26 0.24 0.00	39.81 0.12 0.00	37.24 0.11 0.00	36.38 0.11 0.00	34.71 0.10 0.00	34.01 0.10 0.00	33.07 0.17 0.00	32.58 0.20 0.00	32.73 0.20 0.00	34.43 0.14 0.00	39.56 0.20 0.00	41.23 0.16 0.00	43.93 0.18 0.00	45.19 0.05 0.00	39.96 0.08 0.00	34.26 0.07 0.00	31.32 0.19 0.00
SENECA OSWGO___HYD 24041	26.57 -0.91 0.00	23.97 -0.87 0.00	21.93 -0.77 0.00	20.49 -0.70 0.00	23.30 -0.89 0.00	27.07 -1.19 0.00	32.45 -1.39 0.00	37.42 -1.60 0.00	38.10 -1.59 0.00	35.60 -1.52 0.00	34.75 -1.52 0.00	33.15 -1.45 0.00	32.42 -1.49 0.00	31.36 -1.55 0.00	30.89 -1.49 0.00	31.14 -1.40 0.00	32.78 -1.51 0.00	37.67 -1.69 0.00	39.38 -1.69 0.00	42.05 -1.71 0.00	43.48 -1.67 0.00	38.40 -1.47 0.00	32.86 -1.33 0.00	29.89 -1.25 0.00
SENECA___115KV_TB3 355854	26.57 -0.91 0.00	23.75 -1.09 0.00	21.68 -1.02 0.00	20.44 -0.74 0.00	22.93 -1.26 0.00	26.50 -1.75 0.00	31.30 -2.54 0.00	35.59 -3.43 0.00	36.47 -3.21 0.00	33.71 -3.42 0.00	32.82 -3.45 0.00	31.49 -3.11 0.00	30.62 -3.29 0.00	29.52 -3.39 0.00	28.85 -3.53 0.00	29.05 -3.48 0.01	30.79 -3.50 0.00	35.47 -3.90 0.00	37.58 -3.49 0.00	39.95 -3.81 0.00	41.72 -3.43 0.00	36.97 -2.91 0.00	31.56 -2.63 0.00	28.80 -2.34 0.00
SENECA___ENERGY 23797	26.90 -0.58 0.00	24.22 -0.62 0.00	22.14 -0.57 0.00	20.72 -0.47 0.00	23.49 -0.70 0.00	27.30 -0.96 0.00	32.69 -1.15 0.00	37.62 -1.40 0.00	38.34 -1.35 0.00	35.72 -1.41 0.00	34.78 -1.49 0.00	33.26 -1.35 0.00	32.45 -1.46 0.00	31.33 -1.58 0.00	30.83 -1.55 0.00	31.07 -1.46 0.00	32.75 -1.54 0.00	37.67 -1.69 0.00	39.55 -1.52 0.00	42.27 -1.49 0.00	43.80 -1.35 0.00	38.68 -1.20 0.00	32.99 -1.20 0.00	29.98 -1.15 0.00
SHOEMAKER___GT 23640	28.43 0.96 0.00	25.76 0.92 0.00	23.57 0.86 0.00	21.91 0.72 0.00	24.99 0.80 0.00	28.99 0.73 0.00	34.82 0.98 0.00	40.24 1.21 0.00	40.84 1.15 0.00	38.35 1.22 0.00	37.36 1.09 0.00	35.68 1.07 0.00	34.99 1.05 0.00	33.96 1.05 0.00	33.48 1.10 0.00	33.64 1.11 0.00	35.49 1.20 0.00	40.62 1.26 0.00	42.30 1.23 0.00	45.15 1.40 0.00	46.55 1.40 0.00	40.91 1.04 0.00	35.15 0.96 0.00	32.04 0.90 0.00
SHOEMAKR_138KV_BK 111 55601	28.49 1.02 0.00	25.76 0.92 0.00	23.57 0.86 0.00	21.93 0.74 0.00	24.99 0.80 0.00	28.99 0.73 0.00	34.82 0.98 0.00	40.27 1.25 0.00	40.84 1.15 0.00	38.35 1.23 0.00	37.39 1.12 0.00	35.68 1.07 0.00	34.99 1.09 0.00	33.99 1.09 0.00	33.51 1.13 0.00	33.68 1.14 0.00	35.53 1.23 0.00	40.66 1.30 0.00	42.34 1.27 0.00	45.11 1.36 0.00	46.55 1.40 0.00	40.96 1.08 0.00	35.15 0.96 0.00	32.04 0.90 0.00
SHOREHAM_IC_1 23715	32.26 2.39 -2.39	29.40 2.24 -2.33	27.26 2.18 -2.37	25.47 1.88 -2.40	28.38 2.10 -2.09	32.35 1.95 -2.15	38.88 2.54 -2.50	43.66 3.08 -1.55	44.27 3.01 -1.57	41.92 2.97 -1.82	40.64 2.61 -1.76	39.31 2.77 -1.93	38.62 2.71 -2.00	37.44 2.70 -1.83	36.38 2.30 -1.70	36.64 2.37 -1.73	38.54 2.33 -1.91	44.15 2.95 -1.83	47.44 2.67 -3.71	51.61 2.93 -4.92	51.47 2.89 -3.43	43.45 2.43 -1.14	37.81 2.12 -1.50	34.70 1.90 -1.66
SHOREHAM_IC_2 23716	32.31 2.45 -2.39	29.40 2.24 -2.33	27.26 2.18 -2.37	25.47 1.89 -2.40	28.38 2.10 -2.09	32.35 1.95 -2.15	38.88 2.54 -2.50	43.66 3.08 -1.55	44.23 2.98 -1.57	41.92 2.97 -1.82	40.64 2.61 -1.76	39.31 2.77 -1.93	38.62 2.71 -2.00	37.44 2.70 -1.83	36.38 2.30 -1.70	36.64 2.38 -1.73	38.54 2.33 -1.91	44.19 2.99 -1.83	47.45 2.67 -3.71	51.57 2.89 -4.92	51.47 2.89 -3.43	43.49 2.47 -1.14	37.81 2.12 -1.50	34.70 1.90 -1.66
SISSONVILLE____ 23735	27.03 -0.44 0.00	24.42 -0.42 0.00	22.30 -0.41 0.00	20.87 -0.32 0.00	23.95 -0.24 0.00	28.34 0.08 0.00	33.67 -0.17 0.00	38.91 -0.12 0.00	39.57 -0.12 0.00	36.98 -0.15 0.00	36.13 -0.15 0.00	34.33 -0.28 0.00	33.77 -0.14 0.00	32.77 -0.13 0.00	32.06 -0.32 0.00	32.05 -0.49 0.00	33.98 -0.31 0.00	39.01 -0.35 0.00	40.74 -0.33 0.00	43.36 -0.39 0.00	44.61 -0.54 0.00	39.88 0.00 0.00	34.36 0.17 0.00	31.07 -0.06 0.00
SITHE_IND_GS1 24169	26.43 -1.04 0.00	23.85 -0.99 0.00	21.80 -0.91 0.00	20.38 -0.81 0.00	23.18 -1.02 0.00	26.96 -1.30 0.00	32.29 -1.56 0.00	37.15 -1.87 0.00	37.86 -1.82 0.00	35.35 -1.78 0.00	34.49 -1.78 0.00	32.95 -1.66 0.00	32.25 -1.66 0.00	31.19 -1.71 0.00	30.70 -1.69 0.00	30.94 -1.59 0.00	32.58 -1.71 0.00	37.44 -1.93 0.00	39.14 -1.93 0.00	41.74 -2.01 0.00	43.16 -1.99 0.00	38.08 -1.79 0.00	32.62 -1.57 0.00	29.70 -1.43 0.00
SITHE_IND_GS2 24170	26.43 -1.04 0.00	23.85 -0.99 0.00	21.80 -0.91 0.00	20.38 -0.81 0.00	23.18 -1.02 0.00	26.96 -1.30 0.00	32.29 -1.56 0.00	37.15 -1.87 0.00	37.86 -1.82 0.00	35.35 -1.78 0.00	34.49 -1.78 0.00	32.95 -1.66 0.00	32.25 -1.66 0.00	31.19 -1.71 0.00	30.70 -1.69 0.00	30.94 -1.59 0.00	32.58 -1.71 0.00	37.44 -1.93 0.00	39.14 -1.93 0.00	41.74 -2.01 0.00	43.16 -1.99 0.00	38.08 -1.79 0.00	32.62 -1.57 0.00	29.70 -1.43 0.00
SITHE_IND_GS3 24171	26.43 -1.04 0.00	23.85 -0.99 0.00	21.80 -0.91 0.00	20.38 -0.81 0.00	23.18 -1.02 0.00	26.96 -1.30 0.00	32.29 -1.56 0.00	37.15 -1.87 0.00	37.86 -1.82 0.00	35.35 -1.78 0.00	34.49 -1.78 0.00	32.95 -1.66 0.00	32.25 -1.66 0.00	31.19 -1.71 0.00	30.70 -1.69 0.00	30.94 -1.59 0.00	32.58 -1.71 0.00	37.44 -1.93 0.00	39.14 -1.93 0.00	41.74 -2.01 0.00	43.16 -1.99 0.00	38.08 -1.79 0.00	32.62 -1.57 0.00	29.70 -1.43 0.00
SITHE_IND_GS4 24172	26.43 -1.04 0.00	23.85 -0.99 0.00	21.80 -0.91 0.00	20.38 -0.81 0.00	23.18 -1.02 0.00	26.96 -1.30 0.00	32.29 -1.56 0.00	37.15 -1.87 0.00	37.86 -1.82 0.00	35.35 -1.78 0.00	34.49 -1.78 0.00	32.95 -1.66 0.00	32.25 -1.66 0.00	31.19 -1.71 0.00	30.70 -1.69 0.00	30.94 -1.59 0.00	32.58 -1.71 0.00	37.44 -1.93 0.00	39.14 -1.93 0.00	41.74 -2.01 0.00	43.16 -1.99 0.00	38.08 -1.79 0.00	32.62 -1.57 0.00	29.70 -1.43 0.00



SITHE___BATAVIA 24024	26.84 -0.63 0.00	24.04 -0.80 0.00	21.91 -0.80 0.00	20.68 -0.51 0.00	23.22 -0.97 0.00	26.87 -1.38 0.00	31.91 -1.93 0.00	36.37 -2.66 0.00	37.43 -2.26 0.00	34.57 -2.56 0.00	33.55 -2.72 0.00	32.32 -2.29 0.00	31.33 -2.58 0.00	30.17 -2.73 0.00	29.60 -2.78 0.00	29.96 -2.57 0.01	31.65 -2.64 0.00	36.57 -2.79 0.00	38.60 -2.46 0.00	41.17 -2.58 0.00	42.98 -2.17 0.00	37.97 -1.91 0.00	32.21 -1.98 0.00	29.24 -1.90 0.00
SITHE___INDEPEND 23800	26.43 -1.04 0.00	23.85 -0.99 0.00	21.80 -0.91 0.00	20.38 -0.81 0.00	23.17 -1.02 0.00	26.93 -1.33 0.00	32.29 -1.56 0.00	37.15 -1.87 0.00	37.86 -1.83 0.00	35.35 -1.78 0.00	34.49 -1.78 0.00	32.95 -1.66 0.00	32.25 -1.66 0.00	31.19 -1.71 0.00	30.70 -1.68 0.00	30.94 -1.59 0.00	32.58 -1.71 0.00	37.40 -1.97 0.00	39.14 -1.93 0.00	41.70 -2.06 0.00	43.12 -2.03 0.00	38.08 -1.79 0.00	32.62 -1.57 0.00	29.70 -1.43 0.00
SITHE___MASSENA 23902	27.36 -0.11 0.00	24.72 -0.12 0.00	22.57 -0.14 0.00	21.10 -0.08 0.00	24.14 -0.05 0.00	28.65 0.40 0.00	34.15 0.30 0.00	39.46 0.43 0.00	40.16 0.48 0.00	37.58 0.45 0.00	36.74 0.47 0.00	34.99 0.38 0.00	34.42 0.51 0.00	33.37 0.46 0.00	32.77 0.39 0.00	32.83 0.29 0.00	34.74 0.44 0.00	39.87 0.51 0.00	41.56 0.49 0.00	44.02 0.26 0.00	45.51 0.36 0.00	40.56 0.68 0.00	34.84 0.65 0.00	31.57 0.44 0.00
SITHE___OGDNSBRG 24021	27.61 0.14 0.00	24.91 0.07 0.00	22.75 0.05 0.00	21.29 0.11 0.00	24.43 0.24 0.00	29.02 0.76 0.00	34.55 0.71 0.00	39.81 0.78 0.00	40.36 0.67 0.00	37.61 0.48 0.00	36.71 0.44 0.00	34.92 0.31 0.00	34.32 0.41 0.00	33.27 0.36 0.00	32.67 0.29 0.00	32.73 0.20 0.00	34.77 0.48 0.00	39.99 0.63 0.00	41.89 0.82 0.00	44.63 0.88 0.00	45.96 0.81 0.00	41.00 1.12 0.00	35.25 1.06 0.00	31.88 0.75 0.00
SITHE___STERLING 23777	27.91 0.44 0.00	25.21 0.37 0.00	23.07 0.36 0.00	21.57 0.38 0.00	24.65 0.46 0.00	28.71 0.45 0.00	34.45 0.61 0.00	39.65 0.62 0.00	40.32 0.63 0.00	37.65 0.52 0.00	36.74 0.47 0.00	34.92 0.31 0.00	34.18 0.27 0.00	33.17 0.26 0.00	32.64 0.26 0.00	32.90 0.36 0.00	34.70 0.41 0.00	39.87 0.51 0.00	41.72 0.66 0.00	44.41 0.66 0.00	45.96 0.81 0.00	40.56 0.68 0.00	34.71 0.51 0.00	31.54 0.40 0.00
SLEIGHT__34_KV_TB1 80719	26.62 -0.85 0.00	23.92 -0.92 0.00	21.84 -0.86 0.00	20.49 -0.70 0.00	23.20 -0.99 0.00	26.90 -1.36 0.00	32.18 -1.66 0.00	36.96 -2.07 0.00	37.86 -1.83 0.00	35.23 -1.89 0.00	34.35 -1.92 0.00	32.95 -1.66 0.00	32.11 -1.80 0.00	31.00 -1.91 0.00	30.47 -1.91 0.00	30.78 -1.76 0.00	32.41 -1.89 0.00	37.20 -2.16 0.00	39.09 -1.97 0.00	41.70 -2.06 0.00	43.30 -1.85 0.00	38.24 -1.64 0.00	32.55 -1.64 0.00	29.58 -1.56 0.00
SMITHTWN_69_KV_BK 1 55830	32.43 2.39 -2.57	29.51 2.19 -2.48	27.28 2.04 -2.53	25.54 1.80 -2.56	28.42 2.01 -2.23	32.56 2.01 -2.29	39.13 2.54 -2.75	43.81 3.08 -1.70	44.43 3.02 -1.72	42.13 3.01 -2.00	40.91 2.68 -1.95	39.47 2.73 -2.13	38.79 2.68 -2.21	37.58 2.67 -2.01	36.76 2.53 -1.85	37.02 2.60 -1.88	39.04 2.71 -2.04	44.51 3.19 -1.95	48.07 3.04 -3.96	52.25 3.24 -5.26	52.11 3.30 -3.67	43.89 2.75 -1.26	38.22 2.39 -1.63	35.08 2.15 -1.79
SOUTH CAIRO___GT 23612	28.52 1.04 0.00	25.93 1.09 0.00	23.71 1.00 0.00	22.12 0.93 0.00	25.21 1.02 0.00	29.16 0.90 0.00	34.96 1.12 0.00	40.27 1.25 0.00	40.72 1.03 0.00	37.76 0.63 0.00	36.71 0.44 0.00	34.88 0.28 0.00	34.15 0.24 0.00	33.27 0.36 0.00	32.77 0.39 0.00	32.99 0.46 0.00	34.84 0.55 0.00	40.23 0.87 0.00	42.05 0.99 0.00	44.89 1.14 0.00	46.23 1.08 0.00	40.84 0.96 0.00	35.05 0.85 0.00	32.07 0.93 0.00
SOUTH HAMPTN___IC 23720	32.43 2.61 -2.34	29.51 2.38 -2.28	27.28 2.25 -2.32	25.46 1.93 -2.35	28.36 2.13 -2.04	32.37 2.01 -2.11	38.91 2.64 -2.43	43.77 3.24 -1.51	44.42 3.21 -1.52	42.09 3.19 -1.77	40.73 2.76 -1.71	39.32 2.84 -1.87	38.66 2.81 -1.94	37.48 2.80 -1.78	36.53 2.49 -1.66	36.79 2.57 -1.68	38.71 2.54 -1.88	44.35 3.19 -1.79	47.62 2.92 -3.64	51.73 3.15 -4.83	51.72 3.21 -3.36	43.70 2.71 -1.11	37.98 2.33 -1.46	34.88 2.12 -1.62
SOUTHDOW_115KV_TB1 355954	27.12 -0.36 0.00	24.22 -0.62 0.00	22.03 -0.68 0.00	20.76 -0.42 0.00	23.27 -0.92 0.00	26.90 -1.36 0.00	31.98 -1.86 0.00	36.53 -2.50 0.00	37.27 -2.42 0.00	34.38 -2.75 0.00	33.51 -2.76 0.00	32.08 -2.53 0.00	31.09 -2.81 0.00	29.98 -2.93 0.00	29.27 -3.11 0.00	29.37 -3.16 0.01	31.24 -3.05 0.00	35.94 -3.42 0.00	38.23 -2.83 0.00	40.78 -2.98 0.00	42.76 -2.39 0.00	38.04 -1.83 0.00	32.41 -1.78 0.00	29.49 -1.65 0.00
SOUTHOLD_69_KV_BK 2 55809	32.76 2.94 -2.35	29.63 2.51 -2.28	27.33 2.29 -2.33	25.40 1.86 -2.35	28.29 2.06 -2.05	32.31 1.95 -2.11	38.88 2.61 -2.43	43.85 3.32 -1.51	44.51 3.29 -1.53	42.21 3.30 -1.78	40.73 2.76 -1.71	39.28 2.80 -1.87	38.60 2.75 -1.94	37.46 2.76 -1.79	36.53 2.49 -1.66	36.86 2.64 -1.68	38.78 2.61 -1.88	44.51 3.35 -1.80	47.66 2.96 -3.64	51.74 3.15 -4.83	51.86 3.34 -3.37	43.90 2.91 -1.11	38.05 2.39 -1.46	35.03 2.27 -1.62
SOUTHOLD___IC 23719	32.70 2.88 -2.35	29.63 2.51 -2.28	27.33 2.29 -2.33	25.40 1.86 -2.35	28.29 2.06 -2.05	32.31 1.95 -2.11	38.88 2.61 -2.43	43.85 3.32 -1.51	44.51 3.29 -1.53	42.21 3.30 -1.78	40.70 2.72 -1.71	39.28 2.80 -1.87	38.60 2.75 -1.94	37.46 2.76 -1.79	36.53 2.49 -1.66	36.86 2.63 -1.68	38.78 2.60 -1.88	44.47 3.31 -1.80	47.67 2.96 -3.64	51.78 3.19 -4.83	51.86 3.34 -3.37	43.86 2.87 -1.11	38.05 2.39 -1.46	35.03 2.27 -1.62
SOUTH_FORK_WT_PWR 323839	32.62 2.80 -2.35	29.48 2.36 -2.28	27.17 2.13 -2.33	25.17 1.63 -2.35	28.05 1.82 -2.05	32.03 1.67 -2.11	38.57 2.30 -2.43	43.50 2.96 -1.51	44.19 2.98 -1.52	41.95 3.05 -1.77	40.37 2.39 -1.71	38.94 2.46 -1.87	38.26 2.41 -1.94	37.16 2.47 -1.78	36.27 2.23 -1.66	36.59 2.37 -1.68	38.47 2.30 -1.88	44.15 2.99 -1.80	47.21 2.51 -3.64	51.30 2.71 -4.83	51.45 2.93 -3.37	43.50 2.51 -1.11	37.71 2.05 -1.46	34.81 2.05 -1.62
SPIERFLS_115KV_TB 1 80737	28.74 1.26 0.00	25.96 1.12 0.00	23.75 1.04 0.00	22.12 0.93 0.00	25.18 0.99 0.00	29.36 1.10 0.00	35.26 1.42 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.58 1.45 0.00	37.76 1.49 0.00	35.96 1.35 0.00	35.10 1.19 0.00	34.16 1.25 0.00	33.58 1.20 0.00	33.55 1.01 0.00	35.29 0.99 0.00	40.54 1.18 0.00	42.42 1.36 0.00	45.11 1.36 0.00	46.91 1.76 0.00	41.31 1.44 0.00	35.46 1.27 0.00	32.29 1.15 0.00
ST LAWRENCE____ 23600	27.12 -0.36 0.00	24.49 -0.35 0.00	22.37 -0.34 0.00	20.89 -0.30 0.00	23.90 -0.29 0.00	28.26 0.00 0.00	33.74 -0.10 0.00	38.99 -0.04 0.00	39.69 0.00 0.00	37.13 0.00 0.00	36.34 0.07 0.00	34.64 0.03 0.00	34.01 0.10 0.00	32.97 0.07 0.00	32.41 0.03 0.00	32.51 -0.03 0.00	34.36 0.07 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	40.04 0.16 0.00	34.36 0.17 0.00	31.20 0.06 0.00



STATE_CA_115KV_115_LB 55624	27.89 0.41 0.00	25.41 0.57 0.00	23.27 0.57 0.00	21.72 0.53 0.00	24.70 0.51 0.00	28.48 0.23 0.00	34.08 0.24 0.00	39.30 0.27 0.00	39.85 0.16 0.00	37.24 0.11 0.00	36.45 0.18 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.14 0.23 0.00	32.64 0.26 0.00	32.80 0.26 0.00	34.46 0.17 0.00	39.60 0.24 0.00	41.23 0.16 0.00	43.89 0.13 0.00	45.15 0.00 0.00	39.92 0.04 0.00	34.23 0.03 0.00	31.32 0.19 0.00
STATE_ST_34_KV_LOAD 55959	27.09 -0.38 0.00	24.39 -0.45 0.00	22.30 -0.41 0.00	20.85 -0.34 0.00	23.68 -0.51 0.00	27.49 -0.76 0.00	33.03 -0.81 0.00	38.05 -0.98 0.00	38.77 -0.91 0.00	36.13 -1.00 0.00	35.22 -1.05 0.00	33.64 -0.97 0.00	32.89 -1.02 0.00	31.79 -1.12 0.00	31.28 -1.10 0.00	31.53 -1.01 0.00	33.23 -1.06 0.00	38.14 -1.22 0.00	40.04 -1.03 0.00	42.75 -1.01 0.00	44.29 -0.86 0.00	39.12 -0.76 0.00	33.41 -0.79 0.00	30.36 -0.78 0.00
STATION_5_MISC_HYD 23604	26.62 -0.85 0.00	23.92 -0.92 0.00	21.82 -0.89 0.00	20.51 -0.68 0.00	23.15 -1.04 0.00	26.82 -1.44 0.00	31.95 -1.89 0.00	36.53 -2.50 0.00	37.50 -2.18 0.00	34.86 -2.27 0.00	33.95 -2.32 0.00	32.67 -1.94 0.00	31.81 -2.10 0.00	30.67 -2.24 0.00	30.11 -2.27 0.00	30.45 -2.08 0.00	32.06 -2.23 0.00	36.96 -2.40 0.00	38.81 -2.26 0.00	41.35 -2.41 0.00	42.98 -2.17 0.00	37.93 -1.95 0.00	32.28 -1.91 0.00	29.36 -1.77 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	26.79 -0.69 0.00	24.07 -0.77 0.00	21.98 -0.73 0.00	20.61 -0.57 0.00	23.32 -0.87 0.00	27.07 -1.19 0.00	32.35 -1.49 0.00	37.11 -1.91 0.00	37.98 -1.71 0.00	35.35 -1.78 0.00	34.42 -1.85 0.00	33.01 -1.59 0.00	32.18 -1.73 0.00	31.06 -1.84 0.00	30.54 -1.85 0.00	30.84 -1.69 0.01	32.51 -1.78 0.00	37.32 -2.05 0.00	39.26 -1.81 0.00	41.83 -1.93 0.00	43.48 -1.67 0.00	38.40 -1.48 0.00	32.69 -1.50 0.00	29.70 -1.43 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	26.51 -0.96 0.00	23.80 -1.04 0.00	21.73 -0.98 0.00	20.40 -0.78 0.00	23.03 -1.16 0.00	26.70 -1.55 0.00	31.85 -2.00 0.00	36.45 -2.58 0.00	37.39 -2.30 0.00	34.79 -2.34 0.00	33.88 -2.39 0.00	32.60 -2.01 0.00	31.74 -2.17 0.00	30.64 -2.27 0.00	30.08 -2.30 0.00	30.42 -2.11 0.00	32.03 -2.26 0.00	36.77 -2.60 0.00	38.68 -2.38 0.00	41.17 -2.58 0.00	42.85 -2.30 0.00	37.80 -2.07 0.00	32.17 -2.02 0.00	29.27 -1.87 0.00
STA_56___34_KV_BUS2 355983	26.51 -0.96 0.00	23.80 -1.04 0.00	21.73 -0.98 0.00	20.40 -0.78 0.00	23.03 -1.16 0.00	26.70 -1.55 0.00	31.85 -2.00 0.00	36.45 -2.58 0.00	37.39 -2.30 0.00	34.79 -2.34 0.00	33.88 -2.39 0.00	32.60 -2.01 0.00	31.74 -2.17 0.00	30.64 -2.27 0.00	30.08 -2.30 0.00	30.42 -2.11 0.00	32.03 -2.26 0.00	36.77 -2.60 0.00	38.68 -2.38 0.00	41.17 -2.58 0.00	42.85 -2.30 0.00	37.80 -2.07 0.00	32.17 -2.02 0.00	29.27 -1.87 0.00
STA_67___115KV_BK2 355882	26.59 -0.88 0.00	23.87 -0.97 0.00	21.78 -0.93 0.00	20.47 -0.72 0.00	23.10 -1.09 0.00	26.76 -1.50 0.00	31.88 -1.96 0.00	36.45 -2.58 0.00	37.39 -2.30 0.00	34.75 -2.38 0.00	33.84 -2.43 0.00	32.57 -2.04 0.00	31.71 -2.20 0.00	30.57 -2.34 0.00	30.02 -2.36 0.00	30.35 -2.18 0.00	31.99 -2.30 0.00	36.77 -2.60 0.00	38.68 -2.38 0.00	41.17 -2.58 0.00	42.85 -2.30 0.00	37.84 -2.03 0.00	32.21 -1.98 0.00	29.33 -1.81 0.00
STA_7___115KV_9TRANS 80674	26.76 -0.71 0.00	24.00 -0.84 0.00	21.91 -0.79 0.00	20.57 -0.61 0.00	23.22 -0.97 0.00	26.90 -1.36 0.00	32.08 -1.76 0.00	36.68 -2.34 0.00	37.70 -1.98 0.00	35.05 -2.08 0.00	34.13 -2.14 0.00	32.84 -1.76 0.00	31.98 -1.93 0.00	30.83 -2.07 0.00	30.28 -2.10 0.00	30.65 -1.89 0.00	32.27 -2.02 0.00	37.04 -2.32 0.00	39.01 -2.05 0.00	41.52 -2.23 0.00	43.25 -1.90 0.00	38.16 -1.71 0.00	32.45 -1.74 0.00	29.49 -1.65 0.00
STA_82___115KV_TB1 80780	26.59 -0.88 0.00	23.87 -0.97 0.00	21.80 -0.91 0.00	20.47 -0.72 0.00	23.10 -1.09 0.00	26.76 -1.50 0.00	31.88 -1.96 0.00	36.45 -2.58 0.00	37.42 -2.26 0.00	34.79 -2.34 0.00	33.84 -2.43 0.00	32.57 -2.04 0.00	31.71 -2.20 0.00	30.60 -2.30 0.00	30.05 -2.33 0.00	30.39 -2.15 0.00	31.99 -2.30 0.00	36.77 -2.60 0.00	38.68 -2.38 0.00	41.17 -2.58 0.00	42.89 -2.26 0.00	37.84 -2.03 0.00	32.21 -1.98 0.00	29.33 -1.81 0.00
STEEL___WIND 323596	26.51 -0.96 0.00	23.75 -1.09 0.00	21.66 -1.04 0.00	20.47 -0.72 0.00	22.93 -1.26 0.00	26.50 -1.75 0.00	31.27 -2.57 0.00	35.55 -3.47 0.00	36.47 -3.21 0.00	33.68 -3.45 0.00	32.79 -3.48 0.00	31.46 -3.15 0.00	30.55 -3.36 0.00	29.45 -3.45 0.00	28.82 -3.56 0.00	29.01 -3.51 0.01	30.76 -3.53 0.00	35.62 -3.74 0.00	37.53 -3.53 0.00	39.99 -3.76 0.00	41.67 -3.48 0.00	36.93 -2.95 0.00	31.49 -2.70 0.00	28.77 -2.37 0.00
STEPHTWN_115KV_BK_2 55603	28.05 0.58 0.00	25.54 0.70 0.00	23.39 0.68 0.00	21.82 0.64 0.00	24.82 0.63 0.00	28.62 0.37 0.00	34.28 0.44 0.00	39.53 0.51 0.00	40.08 0.40 0.00	37.46 0.33 0.00	36.63 0.36 0.00	34.92 0.31 0.00	34.18 0.27 0.00	33.30 0.39 0.00	32.77 0.39 0.00	32.93 0.39 0.00	34.63 0.34 0.00	39.84 0.47 0.00	41.48 0.41 0.00	44.15 0.39 0.00	45.42 0.27 0.00	40.16 0.28 0.00	34.43 0.24 0.00	31.48 0.34 0.00
STEUBEN_REC_LFGE 323667	27.36 -0.11 0.00	24.49 -0.35 0.00	22.34 -0.36 0.00	20.95 -0.23 0.00	23.59 -0.60 0.00	27.30 -0.96 0.00	32.42 -1.42 0.00	37.00 -2.03 0.00	37.58 -2.10 0.00	34.75 -2.38 0.00	33.66 -2.61 0.00	32.12 -2.49 0.00	31.16 -2.75 0.00	29.98 -2.93 0.00	29.40 -2.98 0.00	29.58 -2.93 0.03	31.41 -2.88 0.00	36.25 -3.11 0.00	38.44 -2.63 0.00	41.22 -2.54 0.00	43.03 -2.12 0.00	38.12 -1.75 0.00	32.48 -1.71 0.00	29.49 -1.65 0.00
STILLWATER___SOLAR 323814	28.57 1.10 0.00	25.83 0.99 0.00	23.64 0.93 0.00	22.01 0.83 0.00	25.09 0.90 0.00	29.16 0.90 0.00	34.99 1.15 0.00	40.35 1.33 0.00	40.92 1.23 0.00	38.17 1.04 0.00	37.36 1.09 0.00	35.61 1.00 0.00	34.79 0.88 0.00	33.86 0.95 0.00	33.29 0.91 0.00	33.38 0.84 0.00	35.15 0.86 0.00	40.43 1.06 0.00	42.26 1.19 0.00	44.98 1.22 0.00	46.46 1.31 0.00	40.99 1.12 0.00	35.12 0.92 0.00	32.04 0.90 0.00
STONY___BROOK 24151	32.37 2.39 -2.50	29.50 2.24 -2.43	27.29 2.11 -2.47	25.53 1.84 -2.50	28.42 2.06 -2.17	32.53 2.04 -2.24	39.10 2.61 -2.65	43.83 3.16 -1.64	44.41 3.06 -1.66	42.11 3.05 -1.93	40.87 2.72 -1.88	39.43 2.77 -2.06	38.78 2.75 -2.13	37.55 2.70 -1.94	36.73 2.56 -1.79	36.96 2.60 -1.82	38.99 2.71 -1.99	44.46 3.19 -1.91	47.97 3.04 -3.87	52.21 3.32 -5.13	52.07 3.34 -3.58	43.84 2.75 -1.22	38.20 2.43 -1.58	35.06 2.18 -1.74
STURGEON_POOL_HYD 23609	28.93 1.46 0.00	26.16 1.32 0.00	23.91 1.20 0.00	22.20 1.02 0.00	25.33 1.14 0.00	29.39 1.13 0.00	35.33 1.49 0.00	40.94 1.91 0.00	41.55 1.87 0.00	39.06 1.93 0.00	38.01 1.74 0.00	36.27 1.66 0.00	35.60 1.70 0.00	34.58 1.68 0.00	34.13 1.75 0.00	34.29 1.76 0.00	36.18 1.89 0.00	41.41 2.05 0.00	43.04 1.97 0.00	45.90 2.14 0.00	47.36 2.21 0.00	41.55 1.67 0.00	35.70 1.50 0.00	32.54 1.40 0.00



ST_LAW_115_BK7_LBMP 345037	27.12 -0.36 0.00	24.47 -0.37 0.00	22.34 -0.36 0.00	20.89 -0.30 0.00	23.90 -0.29 0.00	28.28 0.03 0.00	33.74 -0.10 0.00	38.99 -0.04 0.00	39.69 0.00 0.00	37.17 0.04 0.00	36.34 0.07 0.00	34.64 0.03 0.00	34.01 0.10 0.00	33.00 0.10 0.00	32.41 0.03 0.00	32.51 -0.03 0.00	34.40 0.10 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	40.04 0.16 0.00	34.40 0.21 0.00	31.20 0.06 0.00
ST_LAW_115_BK8_LBMP 345038	27.12 -0.36 0.00	24.47 -0.37 0.00	22.34 -0.36 0.00	20.89 -0.30 0.00	23.90 -0.29 0.00	28.28 0.03 0.00	33.74 -0.10 0.00	38.99 -0.04 0.00	39.69 0.00 0.00	37.17 0.04 0.00	36.34 0.07 0.00	34.64 0.03 0.00	34.01 0.10 0.00	33.00 0.10 0.00	32.41 0.03 0.00	32.51 -0.03 0.00	34.40 0.10 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	40.04 0.16 0.00	34.40 0.21 0.00	31.20 0.06 0.00
ST_LAW_230_BK5_LBMP 345035	27.12 -0.36 0.00	24.49 -0.35 0.00	22.37 -0.34 0.00	20.89 -0.30 0.00	23.90 -0.29 0.00	28.26 0.00 0.00	33.74 -0.10 0.00	38.99 -0.04 0.00	39.69 0.00 0.00	37.13 0.00 0.00	36.34 0.07 0.00	34.64 0.03 0.00	34.01 0.10 0.00	32.97 0.07 0.00	32.41 0.03 0.00	32.51 -0.03 0.00	34.36 0.07 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	40.04 0.16 0.00	34.36 0.17 0.00	31.20 0.06 0.00
ST_LAW_230_BK6_LBMP 345036	27.12 -0.36 0.00	24.49 -0.35 0.00	22.37 -0.34 0.00	20.89 -0.30 0.00	23.90 -0.29 0.00	28.26 0.00 0.00	33.74 -0.10 0.00	38.99 -0.04 0.00	39.69 0.00 0.00	37.13 0.00 0.00	36.34 0.07 0.00	34.64 0.03 0.00	34.01 0.10 0.00	32.97 0.07 0.00	32.41 0.03 0.00	32.51 -0.03 0.00	34.36 0.07 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.71 -0.04 0.00	45.15 0.00 0.00	40.04 0.16 0.00	34.36 0.17 0.00	31.20 0.06 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	28.63 1.15 0.00	25.88 1.04 0.00	23.66 0.95 0.00	22.01 0.83 0.00	25.09 0.90 0.00	29.10 0.85 0.00	34.96 1.12 0.00	40.47 1.44 0.00	41.04 1.35 0.00	38.61 1.49 0.00	37.61 1.34 0.00	35.92 1.32 0.00	35.23 1.32 0.00	34.22 1.32 0.00	33.77 1.39 0.00	33.90 1.37 0.00	35.77 1.47 0.00	40.94 1.57 0.00	42.54 1.48 0.00	45.37 1.62 0.00	46.82 1.67 0.00	41.15 1.28 0.00	35.32 1.13 0.00	32.16 1.03 0.00
SWANROAD_115KV_TB1 355699	25.72 -1.76 0.00	22.98 -1.86 0.00	20.96 -1.75 0.00	19.77 -1.42 0.00	22.18 -2.01 0.00	25.60 -2.66 0.00	30.22 -3.62 0.00	34.19 -4.84 0.00	35.16 -4.52 0.00	32.45 -4.68 0.00	31.59 -4.68 0.00	30.38 -4.22 0.00	29.54 -4.37 0.00	28.46 -4.44 0.00	27.85 -4.53 0.00	28.07 -4.46 0.01	29.73 -4.56 0.00	34.25 -5.12 0.00	36.30 -4.76 0.00	38.55 -5.21 0.00	40.27 -4.88 0.00	35.61 -4.27 0.00	30.43 -3.76 0.00	27.90 -3.24 0.00
SYNERGY___BIOGAS 323694	26.87 -0.60 0.00	24.05 -0.79 0.00	21.91 -0.79 0.00	20.66 -0.53 0.00	23.22 -0.97 0.00	26.84 -1.41 0.00	31.91 -1.93 0.00	36.37 -2.65 0.00	37.39 -2.30 0.00	34.57 -2.56 0.00	33.55 -2.72 0.00	32.32 -2.28 0.00	31.33 -2.58 0.00	30.17 -2.73 0.00	29.60 -2.78 0.00	29.96 -2.57 0.01	31.65 -2.64 0.00	36.41 -2.95 0.00	38.56 -2.51 0.00	41.09 -2.67 0.00	42.98 -2.17 0.00	37.96 -1.91 0.00	32.21 -1.98 0.00	29.24 -1.90 0.00
SYRACUSE___ENERGY_ST1 323597	27.01 -0.47 0.00	24.34 -0.50 0.00	22.27 -0.43 0.00	20.80 -0.38 0.00	23.66 -0.53 0.00	27.46 -0.79 0.00	32.96 -0.88 0.00	38.01 -1.01 0.00	38.69 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.93 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.63 -0.91 0.00	33.30 -0.99 0.00	38.18 -1.18 0.00	40.00 -1.07 0.00	42.66 -1.09 0.00	44.16 -0.99 0.00	39.00 -0.88 0.00	33.37 -0.82 0.00	30.36 -0.78 0.00
SYRACUSE___ENERGY_ST2 323598	27.01 -0.47 0.00	24.34 -0.50 0.00	22.27 -0.43 0.00	20.80 -0.38 0.00	23.66 -0.53 0.00	27.46 -0.79 0.00	32.96 -0.88 0.00	38.01 -1.01 0.00	38.69 -0.99 0.00	36.16 -0.97 0.00	35.29 -0.98 0.00	33.71 -0.90 0.00	32.93 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.63 -0.91 0.00	33.30 -0.99 0.00	38.18 -1.18 0.00	40.00 -1.07 0.00	42.66 -1.09 0.00	44.16 -0.99 0.00	39.00 -0.88 0.00	33.37 -0.82 0.00	30.36 -0.78 0.00
SYRACUSE___POWER 24017	27.12 -0.36 0.00	24.47 -0.37 0.00	22.37 -0.34 0.00	20.89 -0.30 0.00	23.78 -0.41 0.00	27.61 -0.65 0.00	33.13 -0.71 0.00	38.17 -0.86 0.00	38.85 -0.83 0.00	36.31 -0.82 0.00	35.40 -0.87 0.00	33.78 -0.83 0.00	33.06 -0.85 0.00	31.98 -0.92 0.00	31.47 -0.91 0.00	31.73 -0.81 0.00	33.43 -0.86 0.00	38.34 -1.02 0.00	40.08 -0.99 0.00	42.79 -0.96 0.00	44.25 -0.90 0.00	39.08 -0.80 0.00	33.47 -0.72 0.00	30.45 -0.68 0.00
TALLMAN_138KV_BK151 55660	28.82 1.35 0.00	26.06 1.22 0.00	23.82 1.11 0.00	22.14 0.95 0.00	25.23 1.04 0.00	29.27 1.02 0.00	35.20 1.35 0.00	40.74 1.72 0.00	41.31 1.63 0.00	38.91 1.78 0.00	37.90 1.63 0.00	36.23 1.63 0.00	35.54 1.63 0.00	34.55 1.65 0.00	34.06 1.68 0.00	34.23 1.69 0.00	36.08 1.78 0.00	41.25 1.89 0.00	42.83 1.77 0.00	45.64 1.88 0.00	47.14 1.99 0.00	41.39 1.52 0.00	35.49 1.30 0.00	32.32 1.18 0.00
TEALLAVE_115KV_TB7 355573	27.06 -0.41 0.00	24.39 -0.45 0.00	22.30 -0.41 0.00	20.83 -0.36 0.00	23.71 -0.48 0.00	27.52 -0.73 0.00	33.03 -0.81 0.00	38.05 -0.98 0.00	38.73 -0.95 0.00	36.20 -0.93 0.00	35.33 -0.94 0.00	33.71 -0.90 0.00	32.99 -0.92 0.00	31.89 -1.02 0.00	31.41 -0.97 0.00	31.66 -0.88 0.00	33.33 -0.96 0.00	38.22 -1.14 0.00	39.96 -1.11 0.00	42.62 -1.14 0.00	44.11 -1.04 0.00	38.92 -0.96 0.00	33.34 -0.85 0.00	30.39 -0.75 0.00
TELGRAPH_34_KV_EAST 80808	26.32 -1.15 0.00	23.55 -1.29 0.00	21.48 -1.23 0.00	20.25 -0.93 0.00	22.74 -1.45 0.00	26.28 -1.98 0.00	31.10 -2.74 0.00	35.32 -3.71 0.00	36.31 -3.37 0.00	33.56 -3.56 0.00	32.61 -3.66 0.00	31.39 -3.22 0.00	30.48 -3.42 0.00	29.38 -3.52 0.00	28.75 -3.63 0.00	29.08 -3.45 0.01	30.76 -3.53 0.00	35.39 -3.98 0.00	37.49 -3.57 0.00	39.86 -3.89 0.00	41.67 -3.48 0.00	36.81 -3.07 0.00	31.35 -2.84 0.00	28.61 -2.52 0.00
TEMPLE___115KV_TB 2 55572	27.06 -0.41 0.00	24.42 -0.42 0.00	22.32 -0.39 0.00	20.85 -0.34 0.00	23.71 -0.48 0.00	27.52 -0.73 0.00	33.03 -0.81 0.00	38.05 -0.98 0.00	38.77 -0.91 0.00	36.24 -0.89 0.00	35.36 -0.91 0.00	33.74 -0.87 0.00	32.99 -0.92 0.00	31.92 -0.99 0.00	31.41 -0.97 0.00	31.66 -0.88 0.00	33.37 -0.93 0.00	38.22 -1.14 0.00	39.96 -1.11 0.00	42.62 -1.14 0.00	44.11 -1.04 0.00	38.96 -0.92 0.00	33.37 -0.82 0.00	30.39 -0.75 0.00
TIANA____69_KV_BK 1 55817	32.46 2.64 -2.35	29.48 2.36 -2.28	27.28 2.25 -2.33	25.46 1.93 -2.35	28.39 2.15 -2.05	32.43 2.06 -2.11	38.95 2.67 -2.43	43.81 3.28 -1.51	44.39 3.17 -1.53	42.10 3.19 -1.77	40.73 2.76 -1.71	39.35 2.87 -1.87	38.66 2.81 -1.94	37.52 2.83 -1.79	36.53 2.49 -1.66	36.79 2.57 -1.68	38.74 2.57 -1.88	44.43 3.27 -1.80	47.66 2.96 -3.64	51.74 3.15 -4.83	51.77 3.25 -3.37	43.74 2.75 -1.11	37.98 2.33 -1.46	34.88 2.12 -1.62



TILDEN___115KV_TB1 80814	27.12 -0.36 0.00	24.47 -0.37 0.00	22.37 -0.34 0.00	20.89 -0.30 0.00	23.78 -0.41 0.00	27.61 -0.65 0.00	33.13 -0.71 0.00	38.17 -0.86 0.00	38.85 -0.83 0.00	36.31 -0.82 0.00	35.40 -0.87 0.00	33.78 -0.83 0.00	33.06 -0.85 0.00	31.98 -0.92 0.00	31.47 -0.91 0.00	31.73 -0.81 0.00	33.43 -0.86 0.00	38.34 -1.02 0.00	40.08 -0.99 0.00	42.79 -0.96 0.00	44.25 -0.90 0.00	39.08 -0.80 0.00	33.47 -0.72 0.00	30.45 -0.68 0.00
TRIGEN___CC 323695	42.77 1.84 -13.45	38.72 1.71 -12.16	36.71 1.61 -12.39	35.19 1.42 -12.58	36.69 1.55 -10.95	41.13 1.58 -11.29	54.01 1.96 -18.20	52.36 2.34 -10.99	53.28 2.30 -11.29	52.36 2.34 -12.89	52.32 2.18 -13.87	51.53 2.15 -14.77	51.18 2.14 -15.14	47.84 2.14 -12.80	45.65 2.17 -11.10	46.13 2.15 -11.45	46.55 2.26 -10.00	51.50 2.56 -9.57	63.07 2.51 -19.50	72.30 2.67 -25.87	65.94 2.75 -18.04	50.64 2.19 -8.57	45.83 1.88 -9.76	42.84 1.77 -9.93
TRINITY__115KV__4 BK 55933	27.83 0.36 0.00	25.36 0.52 0.00	23.23 0.52 0.00	21.67 0.49 0.00	24.65 0.46 0.00	28.43 0.17 0.00	34.01 0.17 0.00	39.18 0.16 0.00	39.69 0.00 0.00	37.09 -0.04 0.00	36.31 0.04 0.00	34.64 0.03 0.00	33.91 0.00 0.00	33.00 0.10 0.00	32.51 0.13 0.00	32.64 0.10 0.00	34.29 0.00 0.00	39.48 0.12 0.00	41.07 0.00 0.00	43.71 -0.04 0.00	44.97 -0.18 0.00	39.80 -0.08 0.00	34.12 -0.07 0.00	31.23 0.09 0.00
UNION___PROCESSING_DRP 323587	26.59 -0.88 0.00	23.87 -0.97 0.00	21.80 -0.91 0.00	20.47 -0.72 0.00	23.10 -1.09 0.00	26.79 -1.47 0.00	31.91 -1.93 0.00	36.45 -2.58 0.00	37.42 -2.26 0.00	34.79 -2.34 0.00	33.88 -2.39 0.00	32.57 -2.04 0.00	31.71 -2.20 0.00	30.60 -2.30 0.00	30.05 -2.33 0.00	30.39 -2.15 0.00	31.99 -2.30 0.00	36.77 -2.60 0.00	38.68 -2.38 0.00	41.22 -2.54 0.00	42.89 -2.26 0.00	37.84 -2.03 0.00	32.21 -1.98 0.00	29.33 -1.81 0.00
UPPER HUDSON___HYD 24058	28.74 1.26 0.00	25.96 1.12 0.00	23.75 1.05 0.00	22.12 0.93 0.00	25.18 0.99 0.00	29.36 1.10 0.00	35.26 1.42 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.57 1.45 0.00	37.76 1.49 0.00	35.96 1.35 0.00	35.10 1.19 0.00	34.16 1.25 0.00	33.58 1.20 0.00	33.55 1.01 0.00	35.29 1.00 0.00	40.54 1.18 0.00	42.42 1.35 0.00	45.11 1.36 0.00	46.91 1.76 0.00	41.31 1.43 0.00	35.46 1.27 0.00	32.29 1.15 0.00
UPPER RAQUET___HYD 24056	27.03 -0.44 0.00	24.42 -0.42 0.00	22.30 -0.41 0.00	20.87 -0.32 0.00	23.95 -0.24 0.00	28.34 0.09 0.00	33.67 -0.17 0.00	38.91 -0.12 0.00	39.57 -0.12 0.00	36.98 -0.15 0.00	36.13 -0.14 0.00	34.33 -0.28 0.00	33.77 -0.14 0.00	32.77 -0.13 0.00	32.06 -0.32 0.00	32.02 -0.52 0.00	33.98 -0.31 0.00	39.01 -0.35 0.00	40.74 -0.33 0.00	43.10 -0.66 0.00	44.61 -0.54 0.00	39.88 0.00 0.00	34.36 0.17 0.00	31.07 -0.06 0.00
VALLEY44_115KV_TB2 355964	26.98 -0.49 0.00	24.14 -0.70 0.00	22.07 -0.64 0.00	20.78 -0.40 0.00	23.34 -0.85 0.00	26.98 -1.27 0.00	32.05 -1.79 0.00	36.57 -2.46 0.00	37.19 -2.50 0.00	34.45 -2.67 0.00	33.55 -2.72 0.00	32.18 -2.42 0.00	31.23 -2.68 0.00	30.14 -2.76 0.00	29.50 -2.88 0.00	29.63 -2.90 0.01	31.45 -2.85 0.00	36.14 -3.23 0.00	38.27 -2.79 0.00	40.78 -2.98 0.00	42.67 -2.48 0.00	37.84 -2.03 0.00	32.21 -1.98 0.00	29.24 -1.90 0.00
VALLEY___115KV_TB 1-4 80826	27.39 -0.08 0.00	24.84 0.00 0.00	22.75 0.05 0.00	21.27 0.08 0.00	24.31 0.12 0.00	28.34 0.08 0.00	33.98 0.14 0.00	39.18 0.16 0.00	39.89 0.20 0.00	37.35 0.22 0.00	36.52 0.25 0.00	34.81 0.21 0.00	34.08 0.17 0.00	33.10 0.20 0.00	32.54 0.16 0.00	32.70 0.16 0.00	34.43 0.14 0.00	39.48 0.12 0.00	41.15 0.08 0.00	43.75 0.00 0.00	45.15 0.00 0.00	39.84 -0.04 0.00	34.16 -0.03 0.00	31.10 -0.03 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	28.65 1.18 0.00	25.91 1.07 0.00	23.77 1.07 0.00	22.16 0.97 0.00	25.33 1.14 0.00	29.36 1.10 0.00	35.23 1.39 0.00	40.59 1.56 0.00	41.39 1.71 0.00	38.76 1.63 0.00	37.87 1.60 0.00	35.96 1.35 0.00	35.23 1.32 0.00	34.19 1.28 0.00	33.61 1.23 0.00	33.84 1.30 0.00	35.70 1.41 0.00	40.94 1.57 0.00	42.75 1.68 0.00	45.37 1.62 0.00	46.95 1.81 0.00	41.39 1.52 0.00	35.49 1.30 0.00	32.29 1.15 0.00
VISCHER___FERRY HYD 24020	28.30 0.82 0.00	25.63 0.79 0.00	23.45 0.75 0.00	21.86 0.68 0.00	24.92 0.73 0.00	28.88 0.62 0.00	34.62 0.78 0.00	39.85 0.82 0.00	40.32 0.63 0.00	37.61 0.48 0.00	36.85 0.58 0.00	35.13 0.52 0.00	34.38 0.47 0.00	33.46 0.56 0.00	32.90 0.52 0.00	33.03 0.49 0.00	34.70 0.41 0.00	39.99 0.63 0.00	41.72 0.66 0.00	44.45 0.70 0.00	45.78 0.63 0.00	40.44 0.56 0.00	34.64 0.44 0.00	31.66 0.53 0.00
V_A_10_SYNC_DSASP 323832	26.13 -1.35 0.00	23.40 -1.44 0.00	21.37 -1.34 0.00	20.15 -1.04 0.00	22.64 -1.55 0.00	26.19 -2.06 0.00	30.97 -2.88 0.00	35.16 -3.86 0.00	36.12 -3.57 0.00	33.45 -3.68 0.00	32.57 -3.70 0.00	31.32 -3.29 0.00	30.49 -3.42 0.00	29.39 -3.52 0.00	28.82 -3.56 0.00	29.08 -3.45 0.01	30.72 -3.57 0.00	35.51 -3.86 0.00	37.33 -3.74 0.00	39.77 -3.98 0.00	41.40 -3.75 0.00	36.57 -3.31 0.00	31.18 -3.01 0.00	28.58 -2.55 0.00
V_CMM_10_SYNC_DSASP 323787	27.25 -0.22 0.00	24.62 -0.22 0.00	22.48 -0.23 0.00	21.02 -0.17 0.00	24.05 -0.14 0.00	28.43 0.17 0.00	33.91 0.07 0.00	39.18 0.16 0.00	39.93 0.24 0.00	37.35 0.22 0.00	36.53 0.26 0.00	34.82 0.21 0.00	34.21 0.30 0.00	33.17 0.26 0.00	32.61 0.23 0.00	32.67 0.13 0.00	34.60 0.31 0.00	39.68 0.31 0.00	41.36 0.29 0.00	43.97 0.22 0.00	45.42 0.27 0.00	40.28 0.40 0.00	34.60 0.41 0.00	31.36 0.22 0.00
V_CMP_10_SYNC_DSASP 323788	27.53 0.06 0.00	24.87 0.02 0.00	22.75 0.05 0.00	21.31 0.13 0.00	24.38 0.19 0.00	28.82 0.56 0.00	34.38 0.54 0.00	39.81 0.78 0.00	40.56 0.87 0.00	37.94 0.82 0.00	37.11 0.83 0.00	35.33 0.73 0.00	34.76 0.85 0.00	33.73 0.82 0.00	33.13 0.75 0.00	33.22 0.68 0.00	35.22 0.93 0.00	40.39 1.02 0.00	42.13 1.07 0.00	44.85 1.09 0.00	46.37 1.22 0.00	41.07 1.20 0.00	35.22 1.02 0.00	31.88 0.75 0.00
V_D_10_SYNC_DSASP 323841	27.36 -0.11 0.00	24.72 -0.12 0.00	22.57 -0.14 0.00	21.10 -0.08 0.00	24.14 -0.05 0.00	28.65 0.40 0.00	34.11 0.27 0.00	39.46 0.43 0.00	40.16 0.48 0.00	37.58 0.45 0.00	36.74 0.47 0.00	34.99 0.38 0.00	34.42 0.51 0.00	33.37 0.46 0.00	32.77 0.39 0.00	32.83 0.29 0.00	34.74 0.44 0.00	39.87 0.51 0.00	41.56 0.49 0.00	44.02 0.26 0.00	45.51 0.36 0.00	40.56 0.68 0.00	34.84 0.65 0.00	31.57 0.44 0.00
V_E_10_SYNC_DSASP 323830	29.15 1.68 0.00	26.26 1.42 0.00	24.09 1.39 0.00	22.56 1.38 0.00	25.86 1.67 0.00	30.09 1.84 0.00	36.25 2.40 0.00	41.56 2.54 0.00	42.31 2.62 0.00	39.43 2.30 0.00	38.41 2.14 0.00	36.27 1.66 0.00	35.47 1.56 0.00	34.35 1.45 0.00	33.80 1.42 0.00	34.21 1.66 -0.01	36.21 1.92 0.00	41.53 2.16 0.00	43.65 2.59 0.00	46.34 2.58 0.00	48.13 2.98 0.00	42.35 2.47 0.00	36.21 2.02 0.00	32.75 1.62 0.00



V_F_30_NSYNC___DSASP 323816	28.60 1.13 0.00	25.86 1.02 0.00	23.66 0.95 0.00	22.03 0.85 0.00	25.11 0.92 0.00	29.19 0.93 0.00	35.03 1.18 0.00	40.39 1.37 0.00	40.99 1.31 0.00	38.24 1.11 0.00	37.40 1.13 0.00	35.64 1.04 0.00	34.86 0.95 0.00	33.93 1.02 0.00	33.35 0.97 0.00	33.45 0.91 0.00	35.22 0.93 0.00	40.46 1.10 0.00	42.34 1.27 0.00	45.07 1.31 0.00	46.55 1.40 0.00	41.04 1.16 0.00	35.18 0.99 0.00	32.10 0.97 0.00
V_F_30_SYNC_DSASP 323786	27.89 0.41 0.00	25.41 0.57 0.00	23.27 0.57 0.00	21.72 0.53 0.00	24.70 0.51 0.00	28.48 0.23 0.00	34.08 0.24 0.00	39.30 0.27 0.00	39.85 0.16 0.00	37.24 0.11 0.00	36.45 0.18 0.00	34.78 0.17 0.00	34.05 0.14 0.00	33.14 0.23 0.00	32.61 0.23 0.00	32.80 0.26 0.00	34.43 0.14 0.00	39.60 0.24 0.00	41.23 0.16 0.00	43.89 0.13 0.00	45.15 0.00 0.00	39.92 0.04 0.00	34.23 0.03 0.00	31.32 0.19 0.00
V_XM_10_SYNC_DSASP 323789	27.53 0.06 0.00	24.87 0.02 0.00	22.75 0.05 0.00	21.31 0.13 0.00	24.38 0.19 0.00	28.82 0.56 0.00	34.38 0.54 0.00	39.81 0.78 0.00	40.56 0.87 0.00	37.94 0.82 0.00	37.11 0.83 0.00	35.33 0.73 0.00	34.76 0.85 0.00	33.73 0.82 0.00	33.13 0.75 0.00	33.22 0.68 0.00	35.22 0.93 0.00	40.39 1.02 0.00	42.13 1.07 0.00	44.85 1.09 0.00	46.37 1.22 0.00	41.07 1.20 0.00	35.22 1.02 0.00	31.88 0.75 0.00
W.BABYLN_69_KV_BK1 56697	36.30 2.53 -6.30	32.95 2.31 -5.80	30.75 2.13 -5.91	29.09 1.91 -6.00	31.52 2.10 -5.22	35.81 2.18 -5.38	44.60 2.74 -8.02	47.21 3.32 -4.87	47.93 3.25 -4.99	46.07 3.23 -5.72	45.22 2.94 -6.01	43.96 2.91 -6.44	43.37 2.85 -6.61	41.43 2.83 -5.69	40.14 2.75 -5.01	40.52 2.83 -5.15	42.04 2.98 -4.77	47.34 3.42 -4.55	53.74 3.41 -9.27	59.68 3.63 -12.30	57.47 3.75 -8.57	46.74 3.11 -3.75	41.27 2.67 -4.41	38.14 2.43 -4.58
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	28.87 1.40 0.00	26.13 1.29 0.00	23.89 1.18 0.00	22.18 1.00 0.00	25.28 1.09 0.00	29.33 1.07 0.00	35.30 1.46 0.00	40.86 1.83 0.00	41.47 1.79 0.00	39.06 1.93 0.00	38.05 1.78 0.00	36.34 1.73 0.00	35.64 1.73 0.00	34.65 1.74 0.00	34.16 1.78 0.00	34.33 1.79 0.00	36.14 1.85 0.00	41.37 2.01 0.00	43.00 1.93 0.00	45.81 2.06 0.00	47.27 2.12 0.00	41.47 1.60 0.00	35.59 1.40 0.00	32.41 1.28 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	29.09 1.62 0.00	26.31 1.47 0.00	24.05 1.34 0.00	22.33 1.14 0.00	25.42 1.23 0.00	29.50 1.24 0.00	35.50 1.66 0.00	41.17 2.15 0.00	41.83 2.14 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.68 2.08 0.00	36.01 2.10 0.00	34.98 2.07 0.00	34.52 2.14 0.00	34.72 2.18 0.00	36.56 2.26 0.00	41.84 2.48 0.00	43.45 2.38 0.00	46.25 2.49 0.00	47.68 2.53 0.00	41.79 1.91 0.00	35.90 1.71 0.00	32.69 1.56 0.00
W50THST__13_KV_LOAD 356117	29.23 1.76 0.00	26.41 1.56 0.00	24.14 1.43 0.00	22.41 1.23 0.00	25.54 1.35 0.00	29.64 1.38 0.00	35.67 1.83 0.00	41.37 2.34 0.00	42.03 2.34 0.00	39.62 2.49 0.00	38.56 2.29 0.00	36.89 2.28 0.00	36.22 2.31 0.00	35.18 2.27 0.00	34.71 2.33 0.00	34.91 2.38 0.00	36.76 2.47 0.00	42.08 2.72 0.00	43.69 2.63 0.00	46.51 2.76 0.00	47.90 2.75 0.00	41.99 2.11 0.00	36.07 1.88 0.00	32.85 1.71 0.00
WADING RIVER_IC_1 23522	32.17 2.36 -2.33	29.32 2.21 -2.27	27.18 2.16 -2.31	25.41 1.88 -2.34	28.30 2.08 -2.03	32.27 1.92 -2.10	38.75 2.50 -2.41	43.57 3.05 -1.50	44.18 2.98 -1.51	41.86 2.97 -1.76	40.57 2.61 -1.69	39.23 2.77 -1.86	38.55 2.71 -1.92	37.37 2.70 -1.77	36.33 2.30 -1.65	36.58 2.37 -1.67	38.46 2.30 -1.87	44.10 2.95 -1.78	47.31 2.63 -3.62	51.44 2.89 -4.80	51.34 2.85 -3.35	43.37 2.39 -1.10	37.70 2.05 -1.45	34.62 1.87 -1.61
WADING RIVER_IC_2 23547	32.17 2.36 -2.33	29.32 2.21 -2.27	27.18 2.16 -2.31	25.41 1.88 -2.34	28.30 2.08 -2.03	32.27 1.92 -2.10	38.75 2.50 -2.41	43.57 3.05 -1.50	44.18 2.98 -1.51	41.86 2.97 -1.76	40.57 2.61 -1.69	39.23 2.77 -1.86	38.55 2.71 -1.92	37.37 2.70 -1.77	36.33 2.30 -1.65	36.58 2.37 -1.67	38.46 2.30 -1.87	44.10 2.95 -1.78	47.31 2.63 -3.62	51.44 2.89 -4.80	51.34 2.85 -3.35	43.37 2.39 -1.10	37.70 2.05 -1.45	34.62 1.87 -1.61
WADING RIVER_IC_3 23601	32.17 2.36 -2.33	29.32 2.21 -2.27	27.18 2.16 -2.31	25.41 1.88 -2.34	28.30 2.08 -2.03	32.27 1.92 -2.10	38.75 2.50 -2.41	43.57 3.05 -1.50	44.18 2.98 -1.51	41.86 2.97 -1.76	40.57 2.61 -1.69	39.23 2.77 -1.86	38.55 2.71 -1.92	37.37 2.70 -1.77	36.33 2.30 -1.65	36.58 2.37 -1.67	38.46 2.30 -1.87	44.10 2.95 -1.78	47.31 2.63 -3.62	51.44 2.89 -4.80	51.34 2.85 -3.35	43.37 2.39 -1.10	37.70 2.05 -1.45	34.62 1.87 -1.61
WALDENNY_12_KV_BK2 80841	26.51 -0.96 0.00	23.72 -1.12 0.00	21.64 -1.07 0.00	20.42 -0.76 0.00	22.91 -1.28 0.00	26.45 -1.81 0.00	31.27 -2.57 0.00	35.51 -3.51 0.00	36.43 -3.25 0.00	33.64 -3.49 0.00	32.75 -3.52 0.00	31.46 -3.15 0.00	30.59 -3.32 0.00	29.45 -3.46 0.00	28.82 -3.56 0.00	29.01 -3.51 0.01	30.76 -3.53 0.00	35.39 -3.98 0.00	37.53 -3.53 0.00	39.86 -3.89 0.00	41.67 -3.48 0.00	36.89 -2.99 0.00	31.49 -2.70 0.00	28.77 -2.37 0.00
WALDEN___HYDRO 24148	28.76 1.29 0.00	26.01 1.17 0.00	23.77 1.07 0.00	22.10 0.91 0.00	25.21 1.02 0.00	29.24 0.99 0.00	35.16 1.32 0.00	40.70 1.68 0.00	41.27 1.59 0.00	38.80 1.67 0.00	37.79 1.52 0.00	36.06 1.45 0.00	35.37 1.46 0.00	34.39 1.48 0.00	33.90 1.52 0.00	34.07 1.53 0.00	35.90 1.61 0.00	41.13 1.77 0.00	42.75 1.68 0.00	45.59 1.84 0.00	47.04 1.90 0.00	41.35 1.48 0.00	35.49 1.30 0.00	32.35 1.21 0.00
WARRENSBURG____ 23737	28.74 1.26 0.00	25.96 1.12 0.00	23.75 1.04 0.00	22.12 0.93 0.00	25.18 0.99 0.00	29.36 1.10 0.00	35.26 1.42 0.00	40.78 1.76 0.00	41.39 1.71 0.00	38.58 1.45 0.00	37.76 1.49 0.00	35.96 1.35 0.00	35.10 1.19 0.00	34.16 1.25 0.00	33.58 1.20 0.00	33.55 1.01 0.00	35.29 0.99 0.00	40.54 1.18 0.00	42.42 1.36 0.00	45.11 1.36 0.00	46.91 1.76 0.00	41.31 1.44 0.00	35.46 1.27 0.00	32.29 1.15 0.00
WATERSIDE___6 8 9 23538	29.16 1.68 -0.01	26.36 1.52 0.00	24.09 1.39 0.00	22.37 1.19 0.00	25.47 1.28 0.00	29.50 1.24 0.00	35.43 1.59 0.00	41.06 2.03 0.00	41.67 1.98 0.00	39.32 2.19 0.00	38.23 1.96 0.00	36.61 2.01 0.00	35.94 2.03 0.00	34.95 2.04 0.00	34.49 2.10 0.00	34.65 2.11 0.00	36.52 2.23 0.00	41.80 2.44 0.00	43.36 2.30 0.00	46.16 2.41 0.00	47.54 2.39 0.00	41.67 1.79 0.00	35.87 1.68 0.00	32.76 1.62 -0.01
WATKINRD_115KV_LN8_ILLION 55919	27.45 -0.03 0.00	24.87 0.02 0.00	22.77 0.07 0.00	21.27 0.08 0.00	24.29 0.10 0.00	28.31 0.06 0.00	33.94 0.10 0.00	39.14 0.12 0.00	39.81 0.12 0.00	37.24 0.11 0.00	36.42 0.15 0.00	34.71 0.10 0.00	34.01 0.10 0.00	33.00 0.10 0.00	32.48 0.10 0.00	32.64 0.10 0.00	34.36 0.07 0.00	39.44 0.08 0.00	41.11 0.04 0.00	43.75 0.00 0.00	45.15 0.00 0.00	39.84 -0.04 0.00	34.16 -0.03 0.00	31.10 -0.03 0.00



WDELAWARE___HYD 323627	29.04 1.57 0.00	26.33 1.49 0.00	24.05 1.34 0.00	22.37 1.19 0.00	25.52 1.33 0.00	29.67 1.41 0.00	35.63 1.79 0.00	41.21 2.18 0.00	41.87 2.18 0.00	39.28 2.15 0.00	38.19 1.92 0.00	36.37 1.76 0.00	35.54 1.63 0.00	34.45 1.55 0.00	33.97 1.59 0.00	34.13 1.59 0.00	36.07 1.78 0.00	41.33 1.97 0.00	43.00 1.93 0.00	45.94 2.19 0.00	47.41 2.26 0.00	41.63 1.75 0.00	35.73 1.54 0.00	32.57 1.43 0.00
WEST BABYLON___IC 23714	36.30 2.53 -6.30	32.95 2.31 -5.80	30.75 2.13 -5.91	29.09 1.91 -6.00	31.52 2.10 -5.22	35.81 2.18 -5.38	44.60 2.74 -8.02	47.21 3.32 -4.87	47.93 3.25 -4.99	46.07 3.23 -5.72	45.22 2.94 -6.01	43.96 2.91 -6.44	43.37 2.85 -6.61	41.43 2.83 -5.69	40.14 2.75 -5.01	40.52 2.83 -5.15	42.04 2.98 -4.77	47.34 3.42 -4.55	53.74 3.41 -9.27	59.68 3.63 -12.30	57.47 3.75 -8.57	46.74 3.11 -3.75	41.27 2.67 -4.41	38.14 2.43 -4.58
WEST CANADA___HYD 24049	27.50 0.03 0.00	24.89 0.05 0.00	22.77 0.07 0.00	21.23 0.04 0.00	24.24 0.05 0.00	28.23 -0.03 0.00	33.81 -0.03 0.00	38.99 -0.04 0.00	39.65 -0.04 0.00	37.05 -0.07 0.00	36.23 -0.04 0.00	34.54 -0.07 0.00	33.84 -0.07 0.00	32.84 -0.07 0.00	32.32 -0.06 0.00	32.47 -0.06 0.00	34.22 -0.07 0.00	39.29 -0.08 0.00	40.98 -0.08 0.00	43.67 -0.09 0.00	45.06 -0.09 0.00	39.76 -0.12 0.00	34.09 -0.10 0.00	31.07 -0.06 0.00
WESTERN_NY_WIND 24143	26.84 -0.63 0.00	24.02 -0.82 0.00	21.89 -0.82 0.00	20.64 -0.55 0.00	23.20 -0.99 0.00	26.81 -1.44 0.00	31.88 -1.96 0.00	36.29 -2.73 0.00	37.35 -2.34 0.00	34.49 -2.64 0.00	33.48 -2.79 0.00	32.25 -2.35 0.00	31.30 -2.61 0.00	30.14 -2.76 0.00	29.53 -2.85 0.00	29.90 -2.64 0.01	31.58 -2.71 0.00	36.37 -2.99 0.00	38.52 -2.55 0.00	41.04 -2.71 0.00	42.89 -2.26 0.00	37.88 -1.99 0.00	32.14 -2.05 0.00	29.21 -1.93 0.00
WESTOVER___LESR 323668	27.58 0.11 0.00	24.87 0.02 0.00	22.75 0.05 0.00	21.27 0.08 0.00	24.17 -0.02 0.00	27.97 -0.28 0.00	33.50 -0.34 0.00	38.52 -0.51 0.00	39.17 -0.52 0.00	36.57 -0.56 0.00	35.65 -0.62 0.00	34.02 -0.59 0.00	33.27 -0.64 0.00	32.18 -0.72 0.00	31.67 -0.71 0.00	31.85 -0.68 0.00	33.64 -0.65 0.00	38.62 -0.75 0.00	40.49 -0.57 0.00	43.19 -0.57 0.00	44.74 -0.41 0.00	39.56 -0.32 0.00	33.82 -0.38 0.00	30.76 -0.37 0.00
WETHRSFD_WT_PWR 323626	26.65 -0.82 0.00	23.87 -0.97 0.00	21.80 -0.91 0.00	20.53 -0.66 0.00	23.05 -1.14 0.00	26.65 -1.61 0.00	31.41 -2.44 0.00	35.71 -3.32 0.00	36.51 -3.18 0.00	33.71 -3.42 0.00	32.75 -3.52 0.00	31.32 -3.29 0.00	30.42 -3.49 0.00	29.32 -3.59 0.00	28.72 -3.66 0.00	28.91 -3.61 0.01	30.66 -3.64 0.00	35.51 -3.86 0.00	37.45 -3.61 0.00	39.99 -3.76 0.00	41.67 -3.48 0.00	36.89 -2.99 0.00	31.59 -2.60 0.00	28.83 -2.30 0.00
WHAVSTOR_138KV_BK127 55557	28.85 1.37 0.00	26.08 1.24 0.00	23.84 1.14 0.00	22.16 0.97 0.00	25.25 1.06 0.00	29.27 1.02 0.00	35.20 1.35 0.00	40.78 1.76 0.00	41.35 1.67 0.00	38.95 1.82 0.00	37.94 1.67 0.00	36.23 1.63 0.00	35.54 1.63 0.00	34.55 1.65 0.00	34.06 1.68 0.00	34.23 1.69 0.00	36.08 1.78 0.00	41.29 1.93 0.00	42.91 1.85 0.00	45.72 1.97 0.00	47.18 2.03 0.00	41.35 1.48 0.00	35.49 1.30 0.00	32.32 1.18 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	28.85 1.37 0.00	26.08 1.24 0.00	23.84 1.14 0.00	22.16 0.97 0.00	25.25 1.06 0.00	29.27 1.02 0.00	35.20 1.35 0.00	40.78 1.76 0.00	41.35 1.67 0.00	38.95 1.82 0.00	37.94 1.67 0.00	36.23 1.63 0.00	35.54 1.63 0.00	34.55 1.65 0.00	34.06 1.68 0.00	34.23 1.69 0.00	36.08 1.78 0.00	41.29 1.93 0.00	42.91 1.85 0.00	45.72 1.97 0.00	47.18 2.03 0.00	41.35 1.48 0.00	35.49 1.30 0.00	32.32 1.18 0.00
WHITEHAL_115KV_TB1 80871	29.04 1.57 0.00	26.16 1.32 0.00	23.93 1.23 0.00	22.27 1.08 0.00	25.35 1.16 0.00	29.67 1.41 0.00	35.67 1.83 0.00	41.33 2.30 0.00	41.83 2.14 0.00	38.87 1.75 0.00	37.98 1.70 0.00	36.16 1.56 0.00	35.23 1.32 0.00	34.32 1.41 0.00	33.77 1.39 0.00	33.81 1.27 0.00	35.63 1.34 0.00	41.02 1.65 0.00	43.08 2.01 0.00	45.85 2.10 0.00	47.63 2.48 0.00	41.83 1.95 0.00	35.90 1.71 0.00	32.63 1.49 0.00
WHITEPLN_13_KV_LOAD 356215	29.09 1.62 0.00	26.31 1.47 0.00	24.05 1.34 0.00	22.33 1.14 0.00	25.45 1.26 0.00	29.53 1.27 0.00	35.50 1.66 0.00	41.21 2.19 0.00	41.87 2.18 0.00	39.39 2.26 0.00	38.37 2.10 0.00	36.68 2.08 0.00	36.01 2.10 0.00	34.98 2.07 0.00	34.49 2.10 0.00	34.65 2.11 0.00	36.52 2.23 0.00	41.76 2.40 0.00	43.45 2.38 0.00	46.20 2.45 0.00	47.68 2.53 0.00	41.87 1.99 0.00	35.90 1.71 0.00	32.69 1.56 0.00
WM_FLOYD_69_KV_BK2 356380	32.39 2.50 -2.41	29.47 2.29 -2.34	27.27 2.18 -2.39	25.51 1.91 -2.41	28.39 2.10 -2.10	32.45 2.03 -2.16	38.97 2.61 -2.53	43.75 3.16 -1.57	44.37 3.10 -1.58	42.05 3.08 -1.84	40.77 2.72 -1.78	39.36 2.80 -1.95	38.68 2.75 -2.02	37.49 2.73 -1.85	36.56 2.46 -1.72	36.82 2.54 -1.74	38.76 2.54 -1.93	44.36 3.15 -1.84	47.72 2.92 -3.74	51.86 3.15 -4.96	51.81 3.21 -3.46	43.75 2.71 -1.15	38.03 2.33 -1.51	34.90 2.09 -1.67
WOODARD___115KV_TB2 355635	26.98 -0.49 0.00	24.32 -0.52 0.00	22.25 -0.45 0.00	20.78 -0.40 0.00	23.63 -0.56 0.00	27.46 -0.79 0.00	32.93 -0.91 0.00	37.97 -1.05 0.00	38.66 -1.03 0.00	36.13 -1.00 0.00	35.25 -1.02 0.00	33.67 -0.93 0.00	32.93 -0.98 0.00	31.85 -1.05 0.00	31.34 -1.04 0.00	31.59 -0.94 0.00	33.30 -0.99 0.00	38.14 -1.22 0.00	39.92 -1.15 0.00	42.57 -1.18 0.00	44.07 -1.08 0.00	38.92 -0.96 0.00	33.30 -0.89 0.00	30.33 -0.81 0.00
WOODMERE_69_KV_BK1 55827	97.59 2.09 -68.03	87.67 1.94 -60.89	86.53 1.82 -62.01	85.91 1.61 -63.12	80.95 1.79 -54.97	86.73 1.84 -56.64	131.00 2.23 -94.92	98.84 2.65 -57.16	101.14 2.66 -58.80	106.83 2.67 -67.03	111.65 2.50 -72.88	114.46 2.42 -77.43	115.60 2.44 -79.24	101.79 2.44 -66.45	92.01 2.46 -57.17	94.06 2.44 -59.09	86.89 2.57 -50.02	90.41 2.95 -48.09	142.21 2.96 -98.19	177.10 3.11 -130.23	139.18 3.21 -90.83	87.40 2.63 -44.89	86.69 2.22 -50.27	83.88 2.05 -50.69
YORK___WARBASSE 23770	29.32 1.84 -0.01	26.48 1.64 0.00	24.21 1.50 0.00	22.46 1.27 0.00	25.57 1.38 0.00	29.58 1.33 0.00	35.57 1.73 0.00	41.17 2.15 0.00	41.75 2.06 0.00	39.39 2.26 0.00	38.34 2.07 0.00	36.72 2.11 0.00	36.05 2.14 0.00	35.04 2.14 0.00	34.58 2.20 0.00	34.78 2.25 0.00	36.66 2.37 0.00	42.00 2.64 0.00	43.55 2.46 -0.02	46.36 2.58 -0.02	47.79 2.62 -0.02	41.87 1.99 0.00	36.07 1.88 0.00	32.95 1.81 -0.01