

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

04/03/2025

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	38.31	38.61	40.61	36.80	38.74	37.58	46.49	96.46	38.46	37.96	37.19	38.48	40.18	42.30	48.25	54.59	39.79	50.20	47.45	54.55	46.97	42.59	50.54	51.70
24138	1.61	1.50	1.32	1.40	1.49	1.76	2.83	6.17	2.75	2.89	2.87	2.92	2.89	2.99	3.31	4.02	3.00	3.50	3.38	3.87	3.08	2.54	2.19	1.84
	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	38.40	38.61	40.61	36.78	38.71	37.53	46.42	96.26	38.37	37.84	37.07	38.36	40.05	42.17	48.10	54.38	39.66	50.06	47.37	54.51	46.95	42.63	50.71	51.84
24260	1.71	1.49	1.32	1.38	1.45	1.71	2.76	5.98	2.66	2.77	2.75	2.80	2.76	2.86	3.16	3.81	2.87	3.36	3.30	3.83	3.07	2.57	2.35	1.97
	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	38.40	38.61	40.61	36.78	38.71	37.53	46.42	96.26	38.37	37.84	37.07	38.36	40.05	42.17	48.10	54.38	39.66	50.06	47.37	54.51	46.95	42.63	50.71	51.84
24261	1.71	1.49	1.32	1.38	1.45	1.71	2.76	5.98	2.66	2.77	2.75	2.80	2.76	2.86	3.16	3.81	2.87	3.36	3.30	3.83	3.07	2.57	2.35	1.97
	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	39.04	39.41	41.79	37.83	39.65	38.39	47.40	98.15	38.72	37.94	37.04	38.14	39.73	41.96	48.06	54.21	39.38	49.80	47.43	54.67	47.14	42.84	51.33	52.36
24011	2.35	2.29	2.50	2.42	2.40	2.58	3.74	7.86	3.01	2.87	2.72	2.58	2.44	2.65	3.12	3.63	2.60	3.10	3.36	3.99	3.25	2.79	2.97	2.50
	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	39.34	39.71	42.09	38.13	40.01	38.73	47.87	99.00	39.01	38.24	37.38	38.50	40.10	42.35	48.42	54.69	39.69	50.06	47.76	55.08	47.47	43.19	51.80	52.77
23798	2.65	2.59	2.80	2.73	2.75	2.92	4.21	8.71	3.30	3.17	3.06	2.94	2.81	3.04	3.48	4.12	2.90	3.36	3.70	4.40	3.58	3.13	3.44	2.90
	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	39.04	39.41	41.79	37.83	39.65	38.39	47.40	98.15	38.72	37.94	37.04	38.14	39.73	41.96	48.06	54.21	39.38	49.80	47.43	54.67	47.14	42.84	51.33	52.36
24028	2.35	2.29	2.50	2.42	2.40	2.58	3.74	7.86	3.01	2.87	2.72	2.58	2.44	2.65	3.12	3.63	2.60	3.10	3.36	3.99	3.25	2.79	2.97	2.50
	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	38.16	38.47	40.58	36.81	38.65	37.41	46.02	95.26	37.67	36.93	36.06	37.26	38.85	40.86	46.79	52.88	38.55	48.67	45.91	52.90	45.58	41.43	49.62	50.63
23527	1.47	1.36	1.30	1.41	1.40	1.59	2.36	4.98	1.96	1.87	1.73	1.69	1.55	1.55	1.85	2.31	1.76	1.98	1.84	2.21	1.69	1.38	1.26	0.76
	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	36.96	37.24	39.32	35.68	37.47	36.23	44.44	92.03	36.47	35.85	35.01	36.16	37.73	39.67	45.38	51.23	37.50	47.47	44.83	51.49	44.42	40.35	48.27	49.37
24190	0.26	0.13	0.03	0.28	0.22	0.41	0.77	1.74	0.76	0.78	0.69	0.59	0.44	0.36	0.44	0.66	0.72	0.77	0.76	0.81	0.53	0.30	-0.09	-0.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	36.89	37.46	39.77	35.68	37.54	35.81	43.41	89.77	35.64	35.04	34.38	35.78	37.62	39.67	45.31	50.76	36.86	46.82	44.00	50.63	43.95	40.20	48.92	50.61
355683	0.19	0.34	0.47	0.28	0.28	-0.01	-0.25	-0.52	-0.07	-0.03	0.06	0.21	0.32	0.36	0.37	0.19	0.07	0.11	-0.07	-0.06	0.06	0.15	0.56	0.75
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	37.65	37.97	40.12	36.35	38.19	36.93	45.32	93.85	37.14	36.39	35.29	36.35	37.96	39.97	45.84	51.79	37.94	48.15	45.55	52.43	45.26	41.13	49.24	50.42
323833	0.96	0.86	0.83	0.95	0.94	1.11	1.66	3.57	1.43	1.31	0.97	0.79	0.67	0.66	0.91	1.22	1.15	1.45	1.49	1.75	1.37	1.08	0.88	0.56
	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	37.65	37.96	40.11	36.35	38.18	36.92	45.30	93.84	37.13	36.38	35.28	36.35	37.95	39.97	45.84	51.79	37.94	48.15	45.54	52.42	45.25	41.13	49.24	50.40
323834	0.95	0.85	0.82	0.94	0.92	1.10	1.64	3.55	1.42	1.31	0.96	0.79	0.66	0.66	0.90	1.22	1.15	1.45	1.48	1.74	1.35	1.08	0.88	0.54
	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	36.96	37.24	39.32	35.68	37.47	36.23	44.44	92.03	36.47	35.85	35.01	36.16	37.73	39.67	45.38	51.23	37.50	47.47	44.83	51.49	44.42	40.35	48.27	49.37
23571	0.26	0.13	0.03	0.28	0.22	0.41	0.77	1.74	0.76	0.78	0.69	0.59	0.44	0.36	0.44	0.66	0.72	0.77	0.76	0.81	0.53	0.30	-0.09	-0.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	36.96 0.26 0.00	37.24 0.13 0.00	39.32 0.03 0.00	35.68 0.28 0.00	37.47 0.22 0.00	36.23 0.41 0.00	44.44 0.77 0.00	92.03 1.74 0.00	36.47 0.76 0.00	35.85 0.78 0.00	35.01 0.69 0.00	36.16 0.59 0.00	37.73 0.44 0.00	39.67 0.36 0.00	45.38 0.44 0.00	51.23 0.66 0.00	37.50 0.72 0.00	47.47 0.77 0.00	44.83 0.76 0.00	51.49 0.81 0.00	44.42 0.53 0.00	40.35 0.30 0.00	48.27 -0.09 0.00	49.37 -0.49 0.00
ALBANY___3 23573	36.96 0.26 0.00	37.24 0.13 0.00	39.32 0.03 0.00	35.68 0.28 0.00	37.47 0.22 0.00	36.23 0.41 0.00	44.44 0.77 0.00	92.03 1.74 0.00	36.47 0.76 0.00	35.85 0.78 0.00	35.01 0.69 0.00	36.16 0.59 0.00	37.73 0.44 0.00	39.67 0.36 0.00	45.38 0.44 0.00	51.23 0.66 0.00	37.50 0.72 0.00	47.47 0.77 0.00	44.83 0.76 0.00	51.49 0.81 0.00	44.42 0.53 0.00	40.35 0.30 0.00	48.27 -0.09 0.00	49.37 -0.49 0.00
ALBANY___4 23574	36.96 0.26 0.00	37.24 0.13 0.00	39.32 0.03 0.00	35.68 0.28 0.00	37.47 0.22 0.00	36.23 0.41 0.00	44.44 0.77 0.00	92.03 1.74 0.00	36.47 0.76 0.00	35.85 0.78 0.00	35.01 0.69 0.00	36.16 0.59 0.00	37.73 0.44 0.00	39.67 0.36 0.00	45.38 0.44 0.00	51.23 0.66 0.00	37.50 0.72 0.00	47.47 0.77 0.00	44.83 0.76 0.00	51.49 0.81 0.00	44.42 0.53 0.00	40.35 0.30 0.00	48.27 -0.09 0.00	49.37 -0.49 0.00
ALBANY___LFGE 323615	37.31 0.62 0.00	37.61 0.49 0.00	39.71 0.42 0.00	36.01 0.61 0.00	37.83 0.58 0.00	36.58 0.76 0.00	44.89 1.23 0.00	93.08 2.80 0.00	36.88 1.17 0.00	36.24 1.17 0.00	35.38 1.06 0.00	36.54 0.97 0.00	38.11 0.82 0.00	40.10 0.79 0.00	45.91 0.97 0.00	51.78 1.21 0.00	37.87 1.08 0.00	47.97 1.27 0.00	45.29 1.22 0.00	52.05 1.37 0.00	44.90 1.01 0.00	40.78 0.72 0.00	48.79 0.43 0.00	49.90 0.04 0.00
ALCOA_PA_115KV_PL-6C 55860	37.03 0.34 0.00	37.61 0.50 0.00	39.92 0.63 0.00	35.82 0.41 0.00	37.70 0.44 0.00	37.48 0.15 -1.52	45.81 -0.08 -2.23	93.47 -0.15 -3.33	36.15 0.07 -0.36	35.16 0.09 0.00	34.48 0.16 0.00	35.89 0.33 0.00	37.71 0.42 0.00	39.79 0.48 0.00	45.42 0.48 0.00	50.85 0.29 0.00	36.93 0.15 0.00	46.91 0.21 0.00	44.10 0.03 0.00	50.81 0.13 0.00	44.11 0.22 0.00	40.36 0.30 0.00	49.14 0.78 0.00	50.85 0.99 0.00
ALCOA_RYNLDS___DRP 24188	37.03 0.34 0.00	37.61 0.50 0.00	39.92 0.63 0.00	35.82 0.41 0.00	37.70 0.44 0.00	37.48 0.15 -1.52	45.81 -0.08 -2.23	93.47 -0.15 -3.33	36.15 0.07 -0.36	35.16 0.09 0.00	34.48 0.16 0.00	35.89 0.33 0.00	37.71 0.42 0.00	39.79 0.48 0.00	45.42 0.48 0.00	50.85 0.29 0.00	36.93 0.15 0.00	46.91 0.21 0.00	44.10 0.03 0.00	50.81 0.13 0.00	44.11 0.22 0.00	40.36 0.30 0.00	49.14 0.78 0.00	50.85 0.99 0.00
ALCOA___DSASP 323711	37.03 0.34 0.00	37.61 0.50 0.00	39.91 0.63 0.00	35.82 0.41 0.00	37.70 0.44 0.00	37.48 0.15 -1.52	45.82 -0.08 -2.23	93.47 -0.15 -3.33	36.15 0.07 -0.36	35.16 0.09 0.00	34.48 0.16 0.00	35.89 0.33 0.00	37.71 0.42 0.00	39.79 0.48 0.00	45.42 0.48 0.00	50.86 0.29 0.00	36.93 0.15 0.00	46.91 0.21 0.00	44.10 0.03 0.00	50.81 0.13 0.00	44.12 0.22 0.00	40.36 0.30 0.00	49.14 0.78 0.00	50.85 0.99 0.00
ALLEGHENY___COGEN 23514	38.59 1.89 0.00	38.95 1.84 0.00	41.23 1.95 0.00	36.99 1.58 0.00	39.12 1.86 0.00	37.82 2.01 0.00	46.50 2.84 0.00	96.17 5.89 0.00	37.28 1.57 0.00	34.75 0.70 1.02	34.37 1.06 1.02	34.70 0.27 1.13	37.97 0.68 0.00	40.05 0.74 0.00	45.29 0.77 0.42	50.18 0.32 0.72	36.28 -0.36 0.15	45.30 0.24 1.64	41.15 0.63 3.54	52.37 2.21 0.52	46.44 2.55 0.00	42.58 2.53 0.00	51.20 2.84 0.00	52.73 2.87 0.00
ALTAMONT_115KV_TB 2 55880	37.85 1.15 0.00	38.19 1.08 0.00	40.39 1.10 0.00	36.52 1.11 0.00	38.36 1.10 0.00	37.11 1.29 0.00	45.59 1.93 0.00	94.50 4.21 0.00	37.38 1.67 0.00	36.64 1.58 0.00	35.59 1.27 0.00	36.78 1.22 0.00	38.35 1.05 0.00	40.42 1.11 0.00	46.36 1.42 0.00	52.32 1.75 0.00	38.12 1.33 0.00	48.34 1.64 0.00	45.83 1.76 0.00	52.84 2.15 0.00	45.63 1.74 0.00	41.49 1.43 0.00	49.76 1.40 0.00	50.99 1.12 0.00
ALTONA_WT_PWR 323606	36.16 -0.54 0.00	37.16 0.04 0.00	39.49 0.20 0.00	35.18 -0.22 0.00	37.33 0.08 0.00	-6.23 -0.98 41.07	-18.40 -1.55 60.51	-3.18 -3.36 90.10	25.03 -0.94 9.74	34.45 -0.62 0.00	33.76 -0.56 0.00	35.18 -0.38 0.00	37.09 -0.20 0.00	39.29 -0.03 0.00	45.05 0.12 0.00	50.01 -0.57 0.00	36.24 -0.55 0.00	45.75 -0.95 0.00	43.03 -1.04 0.00	49.62 -1.07 0.00	43.28 -0.61 0.00	39.66 -0.40 0.00	48.49 0.13 0.00	50.05 0.18 0.00
AMERICAN_REF_FUEL 24010	34.95 -1.75 0.00	35.47 -1.64 0.00	37.65 -1.64 0.00	33.74 -1.67 0.00	35.65 -1.61 0.00	34.28 -1.54 0.00	41.03 -2.63 0.00	83.93 -6.36 0.00	32.87 -2.84 0.00	29.98 -2.95 2.14	29.46 -2.73 2.14	30.50 -2.70 2.37	35.22 -2.07 0.00	37.39 -1.93 0.00	41.96 -2.09 0.89	45.64 -3.43 1.51	33.42 -3.06 0.31	39.60 -3.66 3.44	33.04 -3.58 7.45	45.45 -4.13 1.10	40.59 -3.30 0.00	37.64 -2.42 0.00	45.98 -2.38 0.00	47.88 -1.98 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	34.77 -1.93 0.00	35.32 -1.79 0.00	37.23 -2.06 0.00	33.07 -2.33 0.00	35.10 -2.16 0.00	34.01 -1.81 0.00	41.04 -2.62 0.00	84.99 -5.29 0.00	33.35 -2.36 0.00	32.16 -2.30 0.62	31.48 -2.23 0.61	32.65 -2.24 0.68	35.66 -1.63 0.00	37.68 -1.63 0.00	43.14 -1.54 0.26	47.78 -2.36 0.43	34.14 -2.56 0.09	42.58 -3.13 0.99	39.14 -2.79 2.14	47.54 -2.82 0.32	41.44 -2.46 0.00	38.56 -1.49 0.00	46.93 -1.43 0.00	50.10 0.23 0.00
ARTHUR KILL_GT_1 23520	55.83 1.82 -17.31	59.60 1.58 -20.90	59.87 1.44 -19.15	54.28 1.43 -17.45	53.03 1.54 -14.24	54.88 1.71 -17.35	55.75 2.72 -9.37	104.14 5.64 -8.21	56.86 2.60 -18.55	56.86 2.73 -19.06	56.72 2.72 -19.68	55.18 2.74 -16.87	55.18 2.76 -15.13	54.98 2.89 -12.78	57.79 3.17 -9.68	58.52 3.67 -4.28	55.18 2.80 -15.59	59.32 3.20 -9.42	56.40 3.21 -9.13	62.02 3.57 -7.77	60.38 2.89 -13.60	59.23 2.45 -16.73	56.29 2.27 -5.66	59.35 1.92 -7.56
ARTHUR_KILL_2 23512	55.73 1.73 -17.31	59.50 1.48 -20.90	59.76 1.32 -19.15	54.19 1.34 -17.45	52.94 1.45 -14.24	54.80 1.62 -17.35	55.63 2.60 -9.37	103.94 5.44 -8.21	56.77 2.51 -18.55	56.77 2.64 -19.06	56.63 2.63 -19.68	55.09 2.65 -16.87	55.09 2.67 -15.13	54.90 2.80 -12.78	57.70 3.08 -9.68	58.40 3.55 -4.28	55.09 2.71 -15.59	59.19 3.07 -9.42	56.28 3.08 -9.13	61.88 3.43 -7.77	60.26 2.77 -13.60	59.13 2.34 -16.73	56.17 2.15 -5.66	59.21 1.78 -7.56
ARTHUR_KILL_3 23513	55.28 1.28 -17.30	57.89 1.09 -19.69	53.84 0.89 -13.66	53.84 0.99 -17.45	52.54 1.05 -14.23	54.49 1.32 -17.35	55.27 2.24 -9.37	103.41 4.91 -8.20	56.48 2.22 -18.55	56.46 2.34 -19.05	56.34 2.35 -19.67	54.77 2.34 -16.87	54.69 2.27 -15.13	54.45 2.36 -12.78	57.20 2.59 -9.68	58.03 3.18 -4.28	54.80 2.42 -15.59	58.90 2.78 -9.42	55.94 2.74 -9.13	61.92 3.22 -8.02	60.02 2.53 -13.60	58.85 2.07 -16.73	55.76 1.74 -5.66	58.80 1.37 -7.57



ARTHUR_KILL_COGEN 323718	55.83 1.82 -17.31	59.60 1.58 -20.90	59.87 1.44 -19.15	54.28 1.43 -17.45	53.03 1.54 -14.24	54.88 1.71 -17.35	55.75 2.72 -9.37	104.14 5.64 -8.21	56.86 2.60 -18.55	56.86 2.73 -19.06	56.72 2.72 -19.68	55.18 2.74 -16.87	55.18 2.76 -15.13	54.98 2.89 -12.78	57.79 3.17 -9.68	58.52 3.67 -4.28	55.18 2.80 -15.59	59.32 3.20 -9.42	56.40 3.21 -9.13	62.02 3.57 -7.77	60.38 2.89 -13.60	59.23 2.45 -16.73	56.29 2.27 -5.66	59.35 1.92 -7.56
ASHOKAN____ 23654	38.16 1.47 0.00	38.43 1.31 0.00	40.57 1.28 0.00	36.75 1.35 0.00	38.63 1.37 0.00	37.43 1.61 0.00	46.14 2.48 0.00	95.89 5.60 0.00	38.08 2.37 0.00	37.45 2.38 0.00	36.52 2.19 0.00	37.50 1.93 0.00	38.89 1.60 0.00	40.79 1.48 0.00	46.75 1.81 0.00	52.78 2.21 0.00	38.71 1.93 0.00	49.12 2.42 0.00	46.53 2.46 0.00	53.60 2.92 0.00	46.27 2.38 0.00	41.98 1.92 0.00	50.05 1.69 0.00	51.09 1.22 0.00
ASTORIA_EAST_ENERGY_CC1 323581	38.19 1.50 0.00	38.30 1.24 0.05	40.28 1.07 0.08	36.58 1.18 0.00	38.45 1.19 0.00	37.28 1.46 0.00	46.59 2.50 -0.43	96.85 5.34 -1.22	38.84 2.46 -0.67	40.44 2.60 -2.77	38.43 2.61 -1.50	38.75 2.59 -0.60	40.14 2.52 -0.33	41.91 2.59 -0.01	47.73 2.79 0.00	54.06 3.49 0.00	39.37 2.59 0.00	49.69 2.99 0.00	49.82 2.96 -2.79	56.15 3.40 -2.06	46.92 2.85 -0.18	42.51 2.32 -0.14	50.68 2.05 -0.28	51.45 1.59 0.00
ASTORIA_EAST_ENERGY_CC2 323582	38.19 1.50 0.00	38.30 1.24 0.05	40.28 1.07 0.08	36.58 1.18 0.00	38.45 1.19 0.00	37.28 1.46 0.00	46.59 2.50 -0.43	96.85 5.34 -1.22	38.84 2.46 -0.67	40.44 2.60 -2.77	38.43 2.61 -1.50	38.75 2.59 -0.60	40.14 2.52 -0.33	41.91 2.59 -0.01	47.73 2.79 0.00	54.06 3.49 0.00	39.37 2.59 0.00	49.69 2.99 0.00	49.82 2.96 -2.79	56.15 3.40 -2.06	46.92 2.85 -0.18	42.51 2.32 -0.14	50.68 2.05 -0.28	51.45 1.59 0.00
ASTORIA_GT2_1 24094	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT2_2 24095	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT2_3 24096	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT2_4 24097	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT3_1 24098	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT3_2 24099	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT3_3 24100	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT3_4 24101	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT4_1 24102	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT4_2 24103	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT4_3 24104	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00



ASTORIA_GT4_4 24105	38.18 1.49 0.00	38.31 1.24 0.05	40.30 1.09 0.08	36.57 1.17 0.00	38.47 1.21 0.00	37.30 1.48 0.00	46.64 2.56 -0.43	96.93 5.41 -1.22	38.86 2.49 -0.66	40.48 2.64 -2.77	38.43 2.62 -1.49	38.79 2.64 -0.59	40.18 2.56 -0.33	41.94 2.63 0.00	47.76 2.82 0.00	54.09 3.52 0.00	39.40 2.62 0.00	49.73 3.03 0.00	50.03 3.18 -2.79	56.35 3.61 -2.06	46.97 2.91 -0.17	42.53 2.34 -0.14	50.71 2.08 -0.28	51.48 1.62 0.00
ASTORIA_GT_1 23523	38.26 1.57 0.00	38.37 1.31 0.05	40.36 1.15 0.08	36.64 1.23 0.00	38.52 1.26 0.00	37.35 1.53 0.00	46.69 2.60 -0.43	97.08 5.57 -1.22	38.91 2.54 -0.67	40.52 2.67 -2.77	38.51 2.69 -1.50	38.83 2.67 -0.60	40.23 2.61 -0.33	42.01 2.69 -0.01	47.84 2.91 0.00	54.17 3.60 0.00	39.45 2.67 0.00	49.79 3.09 0.00	49.92 3.07 -2.79	56.27 3.52 -2.06	47.02 2.95 -0.18	42.59 2.40 -0.14	50.78 2.15 -0.28	51.57 1.70 0.00
ASTORIA_GT_10 24110	38.23 1.53 0.00	38.40 1.33 0.05	40.38 1.17 0.08	36.65 1.25 0.00	38.58 1.33 0.00	37.39 1.58 0.00	46.25 2.59 0.00	95.80 5.51 0.00	38.26 2.55 0.00	37.75 2.68 0.00	36.99 2.67 0.00	38.26 2.70 0.00	39.93 2.64 0.00	42.06 2.75 0.00	47.91 2.97 0.00	54.18 3.61 0.00	39.48 2.69 0.00	49.80 3.11 0.00	47.17 3.11 0.00	54.21 3.53 0.00	46.72 2.82 0.00	42.38 2.31 0.00	50.41 2.05 0.00	51.59 1.72 0.00
ASTORIA_GT_11 24225	38.23 1.53 0.00	38.40 1.33 0.05	40.38 1.17 0.08	36.65 1.25 0.00	38.58 1.33 0.00	37.39 1.58 0.00	46.25 2.59 0.00	95.80 5.51 0.00	38.26 2.55 0.00	37.75 2.68 0.00	36.99 2.67 0.00	38.26 2.70 0.00	39.93 2.64 0.00	42.06 2.75 0.00	47.91 2.97 0.00	54.18 3.61 0.00	39.48 2.69 0.00	49.80 3.11 0.00	47.17 3.11 0.00	54.21 3.53 0.00	46.72 2.82 0.00	42.38 2.31 0.00	50.41 2.05 0.00	51.59 1.72 0.00
ASTORIA_GT_12 24226	38.23 1.53 0.00	38.40 1.33 0.05	40.38 1.17 0.08	36.65 1.25 0.00	38.58 1.33 0.00	37.39 1.58 0.00	46.25 2.59 0.00	95.80 5.51 0.00	38.26 2.55 0.00	37.75 2.68 0.00	36.99 2.67 0.00	38.26 2.70 0.00	39.93 2.64 0.00	42.06 2.75 0.00	47.91 2.97 0.00	54.18 3.61 0.00	39.48 2.69 0.00	49.80 3.11 0.00	47.17 3.11 0.00	54.21 3.53 0.00	46.72 2.82 0.00	42.38 2.31 0.00	50.41 2.05 0.00	51.59 1.72 0.00
ASTORIA_GT_13 24227	38.23 1.53 0.00	38.40 1.33 0.05	40.38 1.17 0.08	36.65 1.25 0.00	38.58 1.33 0.00	37.39 1.58 0.00	46.25 2.59 0.00	95.80 5.51 0.00	38.26 2.55 0.00	37.75 2.68 0.00	36.99 2.67 0.00	38.26 2.70 0.00	39.93 2.64 0.00	42.06 2.75 0.00	47.91 2.97 0.00	54.18 3.61 0.00	39.48 2.69 0.00	49.80 3.11 0.00	47.17 3.11 0.00	54.21 3.53 0.00	46.72 2.82 0.00	42.38 2.31 0.00	50.41 2.05 0.00	51.59 1.72 0.00
ASTORIA_GT_5 24106	38.24 1.55 0.00	38.37 1.30 0.05	40.35 1.14 0.08	36.62 1.22 0.00	38.52 1.26 0.00	37.34 1.53 0.00	46.72 2.63 -0.43	97.08 5.57 -1.22	38.93 2.56 -0.66	40.54 2.71 -2.77	38.50 2.69 -1.49	38.86 2.70 -0.59	40.25 2.63 -0.33	42.00 2.69 0.00	47.84 2.90 0.00	54.18 3.60 0.00	39.46 2.67 0.00	49.80 3.10 0.00	50.11 3.25 -2.79	56.44 3.70 -2.06	47.05 2.99 -0.17	42.59 2.40 -0.14	50.79 2.16 -0.28	51.57 1.71 0.00
ASTORIA_GT_7 24107	38.24 1.55 0.00	38.37 1.30 0.05	40.35 1.14 0.08	36.62 1.22 0.00	38.52 1.26 0.00	37.34 1.53 0.00	46.72 2.63 -0.43	97.08 5.57 -1.22	38.93 2.56 -0.66	40.54 2.71 -2.77	38.50 2.69 -1.49	38.86 2.70 -0.59	40.25 2.63 -0.33	42.00 2.69 0.00	47.84 2.90 0.00	54.18 3.60 0.00	39.46 2.67 0.00	49.80 3.10 0.00	50.11 3.25 -2.79	56.44 3.70 -2.06	47.05 2.99 -0.17	42.59 2.40 -0.14	50.79 2.16 -0.28	51.57 1.71 0.00
ASTORIA_GT_8 24108	38.24 1.55 0.00	38.37 1.30 0.05	40.35 1.14 0.08	36.62 1.22 0.00	38.52 1.26 0.00	37.34 1.53 0.00	46.72 2.63 -0.43	97.08 5.57 -1.22	38.93 2.56 -0.66	40.54 2.71 -2.77	38.50 2.69 -1.49	38.86 2.70 -0.59	40.25 2.63 -0.33	42.00 2.69 0.00	47.84 2.90 0.00	54.18 3.60 0.00	39.46 2.67 0.00	49.80 3.10 0.00	50.11 3.25 -2.79	56.44 3.70 -2.06	47.05 2.99 -0.17	42.59 2.40 -0.14	50.79 2.16 -0.28	51.57 1.71 0.00
ASTORIA___2 24149	38.21 1.51 0.00	38.32 1.25 0.05	40.30 1.09 0.08	36.60 1.20 0.00	38.47 1.21 0.00	37.29 1.47 0.00	46.61 2.52 -0.43	96.92 5.41 -1.22	38.85 2.47 -0.67	40.46 2.61 -2.77	38.44 2.62 -1.50	38.77 2.61 -0.60	40.16 2.54 -0.33	41.94 2.62 -0.01	47.76 2.83 0.00	54.08 3.51 0.00	39.39 2.61 0.00	49.71 3.01 0.00	49.84 2.99 -2.79	56.17 3.43 -2.06	46.94 2.87 -0.18	42.53 2.34 -0.14	50.70 2.07 -0.28	51.48 1.61 0.00
ASTORIA___3 23516	38.24 1.55 0.00	38.40 1.34 0.05	40.39 1.17 0.08	36.66 1.26 0.00	38.58 1.33 0.00	37.39 1.57 0.00	46.24 2.57 0.00	95.80 5.51 0.00	38.26 2.54 0.00	37.76 2.68 -0.01	37.02 2.69 -0.01	38.27 2.70 -0.01	39.94 2.64 0.00	42.07 2.75 -0.01	47.91 2.97 0.00	54.18 3.60 0.00	39.48 2.69 0.00	49.79 3.09 0.00	47.09 3.02 0.00	54.14 3.46 0.00	46.70 2.81 0.00	42.37 2.32 0.00	50.40 2.04 0.00	51.59 1.72 0.00
ASTORIA___4 23517	38.23 1.53 0.00	38.40 1.33 0.05	40.38 1.17 0.08	36.65 1.25 0.00	38.58 1.33 0.00	37.39 1.58 0.00	46.25 2.59 0.00	95.80 5.51 0.00	38.26 2.55 0.00	37.75 2.68 0.00	36.99 2.67 0.00	38.26 2.70 0.00	39.93 2.64 0.00	42.06 2.75 0.00	47.91 2.97 0.00	54.18 3.61 0.00	39.48 2.69 0.00	49.80 3.11 0.00	47.17 3.11 0.00	54.21 3.53 0.00	46.72 2.82 0.00	42.38 2.31 0.00	50.41 2.05 0.00	51.59 1.72 0.00
ASTORIA___5 23518	38.24 1.55 0.00	38.40 1.34 0.05	40.39 1.17 0.08	36.66 1.26 0.00	38.58 1.33 0.00	37.39 1.57 0.00	46.24 2.57 0.00	95.80 5.51 0.00	38.26 2.54 0.00	37.76 2.68 -0.01	37.02 2.69 -0.01	38.27 2.70 -0.01	39.94 2.64 0.00	42.07 2.75 -0.01	47.91 2.97 0.00	54.18 3.60 0.00	39.48 2.69 0.00	49.79 3.09 0.00	47.09 3.02 0.00	54.14 3.46 0.00	46.70 2.81 0.00	42.37 2.32 0.00	50.40 2.04 0.00	51.59 1.72 0.00
AST_ENERGY_2_CC3 323677	38.13 1.44 0.00	38.35 1.23 0.00	40.33 1.04 0.00	36.53 1.13 0.00	38.45 1.20 0.00	37.28 1.47 0.00	46.08 2.42 0.00	95.55 5.27 0.00	38.09 2.38 0.00	37.57 2.50 0.00	36.81 2.49 0.00	38.07 2.51 0.00	39.74 2.45 0.00	41.83 2.52 0.00	47.71 2.77 0.00	53.96 3.39 0.00	39.36 2.58 0.00	49.67 2.97 0.00	46.98 2.91 0.00	54.08 3.39 0.00	46.58 2.69 0.00	42.28 2.23 0.00	50.29 1.93 0.00	51.43 1.56 0.00
AST_ENERGY_2_CC4 323678	38.13 1.44 0.00	38.35 1.23 0.00	40.33 1.04 0.00	36.53 1.13 0.00	38.45 1.20 0.00	37.28 1.47 0.00	46.08 2.42 0.00	95.55 5.27 0.00	38.09 2.38 0.00	37.57 2.50 0.00	36.81 2.49 0.00	38.07 2.51 0.00	39.74 2.45 0.00	41.83 2.52 0.00	47.71 2.77 0.00	53.96 3.39 0.00	39.36 2.58 0.00	49.67 2.97 0.00	46.98 2.91 0.00	54.08 3.39 0.00	46.58 2.69 0.00	42.28 2.23 0.00	50.29 1.93 0.00	51.43 1.56 0.00



ATHENS_STG_1 23668	37.46 0.76 0.00	37.76 0.65 0.00	39.89 0.60 0.00	36.11 0.70 0.00	37.93 0.68 0.00	36.68 0.87 0.00	45.11 1.46 0.00	93.44 3.15 0.00	37.07 1.36 0.00	36.49 1.42 0.00	35.70 1.37 0.00	36.90 1.34 0.00	38.54 1.25 0.00	40.57 1.26 0.00	46.35 1.41 0.00	52.32 1.75 0.00	38.17 1.38 0.00	48.29 1.59 0.00	45.64 1.58 0.00	52.52 1.84 0.00	45.33 1.44 0.00	41.22 1.16 0.00	49.28 0.92 0.00	50.47 0.60 0.00
ATHENS_STG_2 23670	37.46 0.76 0.00	37.76 0.65 0.00	39.89 0.60 0.00	36.11 0.70 0.00	37.93 0.68 0.00	36.68 0.87 0.00	45.11 1.46 0.00	93.44 3.15 0.00	37.07 1.36 0.00	36.49 1.42 0.00	35.70 1.37 0.00	36.90 1.34 0.00	38.54 1.25 0.00	40.57 1.26 0.00	46.35 1.41 0.00	52.32 1.75 0.00	38.17 1.38 0.00	48.29 1.59 0.00	45.64 1.58 0.00	52.52 1.84 0.00	45.33 1.44 0.00	41.22 1.16 0.00	49.28 0.92 0.00	50.47 0.60 0.00
ATHENS_STG_3 23677	37.46 0.76 0.00	37.76 0.65 0.00	39.89 0.60 0.00	36.11 0.70 0.00	37.93 0.68 0.00	36.68 0.87 0.00	45.11 1.46 0.00	93.44 3.15 0.00	37.07 1.36 0.00	36.49 1.42 0.00	35.70 1.37 0.00	36.90 1.34 0.00	38.54 1.25 0.00	40.57 1.26 0.00	46.35 1.41 0.00	52.32 1.75 0.00	38.17 1.38 0.00	48.29 1.59 0.00	45.64 1.58 0.00	52.52 1.84 0.00	45.33 1.44 0.00	41.22 1.16 0.00	49.28 0.92 0.00	50.47 0.60 0.00
AUBURN___LFGE 323710	36.90 0.21 0.00	37.32 0.20 0.00	39.44 0.14 0.00	35.52 0.12 0.00	37.33 0.07 0.00	35.96 0.14 0.00	43.88 0.22 0.00	90.73 0.44 0.00	35.65 -0.06 0.00	34.94 -0.13 0.00	34.11 -0.21 0.00	35.35 -0.22 0.00	37.15 -0.14 0.00	39.21 -0.11 0.00	44.79 -0.15 0.00	50.40 -0.16 0.00	36.51 -0.27 0.00	46.54 -0.16 0.00	44.06 -0.01 0.00	50.70 0.02 0.00	44.07 0.18 0.00	40.29 0.23 0.00	48.59 0.23 0.00	50.14 0.27 0.00
BABYLON_RES_REC 323704	40.44 1.65 -2.10	38.53 1.42 0.00	40.52 1.23 0.00	36.68 1.27 0.00	38.75 1.50 0.00	37.51 1.69 0.00	60.73 2.88 -14.19	93.43 4.97 1.83	37.96 2.44 0.19	46.11 2.56 -8.48	66.35 2.63 -29.39	64.45 2.68 -26.20	60.77 2.65 -20.83	45.90 2.79 -3.80	52.20 3.03 -4.22	75.17 3.53 -21.07	46.46 2.71 -6.96	57.06 3.11 -7.24	103.29 3.20 -56.02	112.84 3.89 -58.27	66.13 3.01 -19.23	71.80 2.64 -29.10	94.60 2.60 -43.64	72.89 2.32 -20.70
BABYLON__69_KV_BK2 356345	40.74 2.00 -2.06	38.83 1.72 0.00	40.83 1.55 0.00	36.96 1.56 0.00	39.07 1.81 0.00	37.83 2.01 0.00	60.86 3.31 -13.89	94.37 5.94 1.85	38.24 2.76 0.23	46.03 2.82 -8.14	65.95 2.89 -28.75	64.22 2.99 -25.66	60.63 2.93 -20.41	46.19 3.15 -3.73	52.48 3.40 -4.14	75.23 4.00 -20.67	46.69 3.08 -6.83	57.37 3.56 -7.10	102.48 3.64 -54.77	112.07 4.47 -56.91	66.17 3.46 -18.82	71.58 3.04 -28.49	94.18 3.11 -42.71	72.90 2.77 -20.27
BALL_HILL_WT_PWR 323825	35.20 -1.50 0.00	35.70 -1.42 0.00	37.70 -1.59 0.00	33.58 -1.83 0.00	35.64 -1.61 0.00	34.44 -1.38 0.00	41.62 -2.03 0.00	86.24 -4.05 0.00	33.88 -1.83 0.00	32.07 -1.83 1.17	31.36 -1.79 1.17	32.48 -1.79 1.29	36.10 -1.19 0.00	38.15 -1.16 0.00	43.36 -1.09 0.49	47.86 -1.88 0.82	34.57 -2.05 0.17	42.36 -2.45 1.88	37.75 -2.24 4.08	47.75 -2.33 0.60	41.93 -1.96 0.00	38.96 -1.10 0.00	47.31 -1.05 0.00	49.80 -0.07 0.00
BARON_WINDS___WT_PWR 323822	34.30 -2.40 0.00	34.85 -2.27 0.00	36.73 -2.56 0.00	32.98 -2.42 0.00	35.16 -2.09 0.00	33.80 -2.02 0.00	41.00 -2.66 0.00	84.52 -5.77 0.00	33.18 -2.53 0.00	11.93 -2.55 20.59	11.14 -2.63 20.54	10.06 -2.75 22.75	34.80 -2.49 0.00	36.67 -2.64 0.00	33.35 -3.03 8.56	32.54 -3.54 14.50	30.86 -2.93 3.00	10.12 -3.44 33.13	-30.63 -3.02 71.68	36.89 -3.21 10.58	41.48 -2.41 0.00	37.91 -2.14 0.00	46.11 -2.25 0.00	48.27 -1.60 0.00
BARRETT_IC_1 23704	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.82 1.48 -21.52	61.98 2.36 -15.96	90.57 3.85 3.56	47.14 2.10 -9.33	158.19 2.21 -120.91	183.38 2.17 -146.89	133.29 2.22 -95.51	127.17 2.17 -87.72	51.52 2.39 -9.82	88.17 2.72 -40.51	74.78 2.95 -21.26	45.80 2.36 -6.66	56.41 2.73 -6.98	168.24 2.58 -121.60	130.55 3.09 -76.77	149.93 2.48 -103.56	134.23 2.09 -92.08	106.79 1.87 -56.56	119.88 1.68 -68.34
BARRETT_IC_10 23701	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.80 1.48 -21.49	45.29 2.36 0.73	42.81 3.85 51.32	17.03 2.10 20.78	-21.52 2.21 58.81	43.77 2.17 -7.28	60.81 2.22 -23.03	65.87 2.17 -26.41	51.05 2.39 -9.35	78.44 2.72 -30.78	74.78 2.95 -21.26	45.80 2.36 -6.66	56.37 2.73 -6.94	20.86 2.58 25.79	43.13 3.09 10.64	81.16 2.48 -34.78	82.16 2.09 -40.02	86.23 1.87 -36.01	86.54 1.68 -35.00
BARRETT_IC_11 23702	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.80 1.48 -21.49	45.29 2.36 0.73	42.81 3.85 51.32	17.03 2.10 20.78	-21.52 2.21 58.81	43.77 2.17 -7.28	60.81 2.22 -23.03	65.87 2.17 -26.41	51.05 2.39 -9.35	78.44 2.72 -30.78	74.78 2.95 -21.26	45.80 2.36 -6.66	56.37 2.73 -6.94	20.86 2.58 25.79	43.13 3.09 10.64	81.16 2.48 -34.78	82.16 2.09 -40.02	86.23 1.87 -36.01	86.54 1.68 -35.00
BARRETT_IC_12 23703	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.80 1.48 -21.49	45.29 2.36 0.73	42.81 3.85 51.32	17.03 2.10 20.78	-21.52 2.21 58.81	43.77 2.17 -7.28	60.81 2.22 -23.03	65.87 2.17 -26.41	51.05 2.39 -9.35	78.44 2.72 -30.78	74.78 2.95 -21.26	45.80 2.36 -6.66	56.37 2.73 -6.94	20.86 2.58 25.79	43.13 3.09 10.64	81.16 2.48 -34.78	82.16 2.09 -40.02	86.23 1.87 -36.01	86.54 1.68 -35.00
BARRETT_IC_2 23705	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.82 1.48 -21.52	61.98 2.36 -15.96	90.57 3.85 3.56	47.14 2.10 -9.33	158.19 2.21 -120.91	183.38 2.17 -146.89	133.29 2.22 -95.51	127.17 2.17 -87.72	51.52 2.39 -9.82	88.17 2.72 -40.51	74.78 2.95 -21.26	45.80 2.36 -6.66	56.41 2.73 -6.98	168.24 2.58 -121.60	130.55 3.09 -76.77	149.93 2.48 -103.56	134.23 2.09 -92.08	106.79 1.87 -56.56	119.88 1.68 -68.34
BARRETT_IC_3 23706	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.82 1.48 -21.52	61.98 2.36 -15.96	90.57 3.85 3.56	47.14 2.10 -9.33	158.19 2.21 -120.91	183.38 2.17 -146.89	133.29 2.22 -95.51	127.17 2.17 -87.72	51.52 2.39 -9.82	88.17 2.72 -40.51	74.78 2.95 -21.26	45.80 2.36 -6.66	56.41 2.73 -6.98	168.24 2.58 -121.60	130.55 3.09 -76.77	149.93 2.48 -103.56	134.23 2.09 -92.08	106.79 1.87 -56.56	119.88 1.68 -68.34
BARRETT_IC_4 23707	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.82 1.48 -21.52	61.98 2.36 -15.96	90.57 3.85 3.56	47.14 2.10 -9.33	158.19 2.21 -120.91	183.38 2.17 -146.89	133.29 2.22 -95.51	127.17 2.17 -87.72	51.52 2.39 -9.82	88.17 2.72 -40.51	74.78 2.95 -21.26	45.80 2.36 -6.66	56.41 2.73 -6.98	168.24 2.58 -121.60	130.55 3.09 -76.77	149.93 2.48 -103.56	134.23 2.09 -92.08	106.79 1.87 -56.56	119.88 1.68 -68.34



BARRETT_IC_5 23708	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.82 1.48 -21.52	61.98 2.36 -15.96	90.57 3.85 3.56	47.14 2.10 -9.33	158.19 2.21 -120.91	183.38 2.17 -146.89	133.29 2.22 -95.51	127.17 2.17 -87.72	51.52 2.39 -9.82	88.17 2.72 -40.51	74.78 2.95 -21.26	45.80 2.36 -6.66	56.41 2.73 -6.98	168.24 2.58 -121.60	130.55 3.09 -76.77	149.93 2.48 -103.56	134.23 2.09 -92.08	106.79 1.87 -56.56	119.88 1.68 -68.34
BARRETT_IC_6 23709	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.82 1.48 -21.52	61.98 2.36 -15.96	90.57 3.85 3.56	47.14 2.10 -9.33	158.19 2.21 -120.91	183.38 2.17 -146.89	133.29 2.22 -95.51	127.17 2.17 -87.72	51.52 2.39 -9.82	88.17 2.72 -40.51	74.78 2.95 -21.26	45.80 2.36 -6.66	56.41 2.73 -6.98	168.24 2.58 -121.60	130.55 3.09 -76.77	149.93 2.48 -103.56	134.23 2.09 -92.08	106.79 1.87 -56.56	119.88 1.68 -68.34
BARRETT_IC_7 23710	57.93 1.49 -19.74	38.43 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.84 1.50 -21.52	62.01 2.38 -15.96	90.57 3.85 3.56	47.15 2.10 -9.33	158.21 2.24 -120.91	183.42 2.21 -146.89	133.34 2.26 -95.51	127.20 2.20 -87.72	51.53 2.40 -9.82	88.17 2.72 -40.51	74.79 2.96 -21.26	45.80 2.36 -6.66	56.42 2.74 -6.98	168.31 2.65 -121.60	130.61 3.16 -76.77	149.96 2.51 -103.56	134.27 2.13 -92.08	106.84 1.92 -56.56	119.93 1.72 -68.34
BARRETT_IC_8 23711	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.82 1.48 -21.52	61.98 2.36 -15.96	90.57 3.85 3.56	47.14 2.10 -9.33	158.19 2.21 -120.91	183.38 2.17 -146.89	133.29 2.22 -95.51	127.17 2.17 -87.72	51.52 2.39 -9.82	88.17 2.72 -40.51	74.78 2.95 -21.26	45.80 2.36 -6.66	56.41 2.73 -6.98	168.24 2.58 -121.60	130.55 3.09 -76.77	149.93 2.48 -103.56	134.23 2.09 -92.08	106.79 1.87 -56.56	119.88 1.68 -68.34
BARRETT_IC_9 23700	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.80 1.48 -21.49	45.29 2.36 0.73	42.81 3.85 51.32	17.03 2.10 20.78	-21.52 2.21 58.81	43.77 2.17 -7.28	60.81 2.22 -23.03	65.87 2.17 -26.41	51.05 2.39 -9.35	78.44 2.72 -30.78	74.78 2.95 -21.26	45.80 2.36 -6.66	56.37 2.73 -6.94	20.86 2.58 25.79	43.13 3.09 10.64	81.16 2.48 -34.78	82.16 2.09 -40.02	86.23 1.87 -36.01	86.54 1.68 -35.00
BARRETT___1 23545	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.82 1.48 -21.52	61.98 2.36 -15.96	90.57 3.85 3.56	47.14 2.10 -9.33	158.19 2.21 -120.91	183.38 2.17 -146.89	133.29 2.22 -95.51	127.17 2.17 -87.72	51.52 2.39 -9.82	88.17 2.72 -40.51	74.78 2.95 -21.26	45.80 2.36 -6.66	56.41 2.73 -6.98	168.24 2.58 -121.60	130.55 3.09 -76.77	149.93 2.48 -103.56	134.23 2.09 -92.08	106.79 1.87 -56.56	119.88 1.68 -68.34
BARRETT___2 23546	57.93 1.49 -19.74	38.44 1.29 -0.03	40.42 1.08 -0.05	36.62 1.18 -0.04	38.62 1.32 -0.05	58.80 1.48 -21.49	45.29 2.36 0.73	42.81 3.85 51.32	17.03 2.10 20.78	-21.52 2.21 58.81	43.77 2.17 -7.28	60.81 2.22 -23.03	65.87 2.17 -26.41	51.05 2.39 -9.35	78.44 2.72 -30.78	74.78 2.95 -21.26	45.80 2.36 -6.66	56.37 2.73 -6.94	20.86 2.58 25.79	43.13 3.09 10.64	81.16 2.48 -34.78	82.16 2.09 -40.02	86.23 1.87 -36.01	86.54 1.68 -35.00
BATAVIA__115KV_TB1 55881	36.40 -0.29 0.00	36.88 -0.23 0.00	39.08 -0.21 0.00	35.03 -0.37 0.00	37.04 -0.21 0.00	35.71 -0.10 0.00	43.15 -0.51 0.00	88.79 -1.50 0.00	34.74 -0.98 0.00	32.06 -1.06 1.95	31.19 -1.18 1.95	32.26 -1.14 2.15	36.81 -0.48 0.00	38.89 -0.43 0.00	43.58 -0.54 0.81	47.41 -1.79 1.37	35.14 -1.36 0.28	41.91 -1.66 3.14	35.77 -1.52 6.79	48.26 -1.42 1.00	42.97 -0.92 0.00	39.63 -0.43 0.00	48.07 -0.29 0.00	49.88 0.02 0.00
BAYONEEC___CTG1 323682	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BAYONEEC___CTG10 323750	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BAYONEEC___CTG2 323683	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BAYONEEC___CTG3 323684	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BAYONEEC___CTG4 323685	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BAYONEEC___CTG5 323686	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BAYONEEC___CTG6 323687	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00



BAYONEEC___CTG7 323688	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BAYONEEC___CTG8 323689	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BAYONEEC___CTG9 323749	38.11 1.41 0.00	38.33 1.21 0.00	40.32 1.03 0.00	36.52 1.11 0.00	38.44 1.19 0.00	37.26 1.45 0.00	46.07 2.41 0.00	95.55 5.26 0.00	38.07 2.36 0.00	37.55 2.48 0.00	36.81 2.49 0.00	38.05 2.49 0.00	39.72 2.43 0.00	41.83 2.52 0.00	47.70 2.76 0.00	53.95 3.38 0.00	39.35 2.56 0.00	49.67 2.97 0.00	46.97 2.90 0.00	54.06 3.38 0.00	46.57 2.68 0.00	42.28 2.22 0.00	50.28 1.93 0.00	51.42 1.55 0.00
BEACON___LESR 323632	37.54 0.84 0.00	37.85 0.74 0.00	39.91 0.62 0.00	36.29 0.89 0.00	38.09 0.84 0.00	36.79 0.97 0.00	45.28 1.62 0.00	93.75 3.47 0.00	37.20 1.49 0.00	36.49 1.42 0.00	35.66 1.34 0.00	36.71 1.15 0.00	38.32 1.02 0.00	40.34 1.03 0.00	46.01 1.07 0.00	52.03 1.46 0.00	38.08 1.30 0.00	48.25 1.55 0.00	45.57 1.50 0.00	52.48 1.80 0.00	45.21 1.32 0.00	41.08 1.02 0.00	49.17 0.81 0.00	50.32 0.45 0.00
BEAVER RIVER___HYD 24048	35.29 -1.40 0.00	36.00 -1.11 0.00	38.10 -1.19 0.00	34.33 -1.07 0.00	36.41 -0.85 0.00	37.83 -0.56 -2.58	46.15 -1.31 -3.80	93.16 -2.80 -5.68	35.25 -1.08 -0.62	33.44 -1.63 0.00	32.70 -1.63 0.00	33.93 -1.64 0.00	34.96 -2.33 0.00	37.02 -2.30 0.00	42.21 -2.73 0.00	48.16 -2.41 0.00	35.50 -1.29 0.00	45.09 -1.61 0.00	42.57 -1.50 0.00	48.78 -1.90 0.00	42.50 -1.39 0.00	38.74 -1.32 0.00	47.77 -0.59 0.00	49.67 -0.19 0.00
BEEBEE_GT_13 23619	36.21 -0.49 0.00	36.65 -0.47 0.00	38.81 -0.48 0.00	34.86 -0.55 0.00	36.77 -0.49 0.00	35.43 -0.39 0.00	42.96 -0.70 0.00	88.72 -1.57 0.00	34.82 -0.89 0.00	33.10 -0.95 1.02	32.41 -0.89 1.02	33.56 -0.88 1.13	36.70 -0.59 0.00	38.80 -0.51 0.00	43.97 -0.54 0.42	48.71 -1.15 0.72	35.41 -1.22 0.15	43.87 -1.19 1.64	39.43 -1.08 3.55	48.97 -1.19 0.52	43.03 -0.86 0.00	39.52 -0.54 0.00	47.80 -0.56 0.00	49.47 -0.39 0.00
BENSHRST_27_KV_BENSHRST_1 355998	55.98 1.98 -17.31	59.76 1.74 -20.91	60.04 1.61 -19.15	54.48 1.62 -17.45	53.26 1.77 -14.23	55.16 1.99 -17.35	56.17 3.15 -9.37	105.19 6.69 -8.21	57.27 3.00 -18.55	57.24 3.12 -19.05	57.08 3.09 -19.67	55.57 3.15 -16.87	55.57 3.15 -15.13	55.38 3.29 -12.78	58.21 3.60 -9.68	59.12 4.27 -4.28	55.58 3.19 -15.59	59.85 3.73 -9.42	56.92 3.72 -9.13	62.91 4.20 -8.02	60.92 3.42 -13.60	59.67 2.88 -16.73	56.74 2.73 -5.66	59.78 2.35 -7.56
BETHLEHEM___GRP 23843	36.96 0.26 0.00	37.24 0.13 0.00	39.32 0.03 0.00	35.68 0.28 0.00	37.47 0.22 0.00	36.23 0.41 0.00	44.44 0.77 0.00	92.03 1.74 0.00	36.47 0.76 0.00	35.85 0.78 0.00	35.01 0.69 0.00	36.16 0.59 0.00	37.73 0.44 0.00	39.67 0.36 0.00	45.38 0.44 0.00	51.23 0.66 0.00	37.50 0.72 0.00	47.47 0.77 0.00	44.83 0.76 0.00	51.49 0.81 0.00	44.42 0.53 0.00	40.35 0.30 0.00	48.27 -0.09 0.00	49.37 -0.49 0.00
BETHLEHEM___GS1 323560	36.94 0.25 0.00	37.23 0.12 0.00	39.32 0.03 0.00	35.68 0.28 0.00	37.47 0.22 0.00	36.22 0.41 0.00	44.43 0.77 0.00	92.08 1.79 0.00	36.47 0.76 0.00	35.85 0.78 0.00	35.02 0.69 0.00	36.15 0.59 0.00	37.73 0.44 0.00	39.67 0.36 0.00	45.38 0.44 0.00	51.22 0.65 0.00	37.50 0.72 0.00	47.47 0.77 0.00	44.80 0.73 0.00	51.49 0.81 0.00	44.42 0.53 0.00	40.35 0.30 0.00	48.27 -0.09 0.00	49.38 -0.49 0.00
BETHLEHEM___GS2 323561	36.94 0.25 0.00	37.23 0.12 0.00	39.32 0.03 0.00	35.68 0.28 0.00	37.47 0.22 0.00	36.22 0.41 0.00	44.43 0.77 0.00	92.08 1.79 0.00	36.47 0.76 0.00	35.85 0.78 0.00	35.02 0.69 0.00	36.15 0.59 0.00	37.73 0.44 0.00	39.67 0.36 0.00	45.38 0.44 0.00	51.22 0.65 0.00	37.50 0.72 0.00	47.47 0.77 0.00	44.80 0.73 0.00	51.49 0.81 0.00	44.42 0.53 0.00	40.35 0.30 0.00	48.27 -0.09 0.00	49.38 -0.49 0.00
BETHLEHEM___GS3 323562	36.94 0.25 0.00	37.23 0.12 0.00	39.32 0.03 0.00	35.68 0.28 0.00	37.47 0.22 0.00	36.22 0.41 0.00	44.43 0.77 0.00	92.08 1.79 0.00	36.47 0.76 0.00	35.85 0.78 0.00	35.02 0.69 0.00	36.15 0.59 0.00	37.73 0.44 0.00	39.67 0.36 0.00	45.38 0.44 0.00	51.22 0.65 0.00	37.50 0.72 0.00	47.47 0.77 0.00	44.80 0.73 0.00	51.49 0.81 0.00	44.42 0.53 0.00	40.35 0.30 0.00	48.27 -0.09 0.00	49.38 -0.49 0.00
BETHLEHEM___STEEL 23779	35.57 -1.13 0.00	36.09 -1.03 0.00	38.26 -1.03 0.00	34.25 -1.15 0.00	36.21 -1.05 0.00	34.89 -0.92 0.00	41.96 -1.70 0.00	86.47 -3.81 0.00	34.01 -1.71 0.00	31.67 -1.80 1.60	31.10 -1.64 1.59	32.21 -1.59 1.76	36.25 -1.04 0.00	38.42 -0.89 0.00	43.40 -0.88 0.66	47.63 -1.81 1.12	34.63 -1.93 0.23	41.91 -2.23 2.57	36.28 -2.23 5.55	47.39 -2.48 0.82	42.00 -1.89 0.00	38.87 -1.19 0.00	47.24 -1.12 0.00	49.27 -0.60 0.00
BETHLHEM_115KV_TB1 79974	37.05 0.35 0.00	37.32 0.21 0.00	39.42 0.14 0.00	35.76 0.35 0.00	37.56 0.30 0.00	36.30 0.49 0.00	44.54 0.88 0.00	92.27 1.98 0.00	36.56 0.85 0.00	35.93 0.86 0.00	35.09 0.77 0.00	36.25 0.69 0.00	37.83 0.53 0.00	39.78 0.47 0.00	45.51 0.57 0.00	51.38 0.81 0.00	37.59 0.80 0.00	47.59 0.89 0.00	44.96 0.89 0.00	51.64 0.96 0.00	44.55 0.67 0.00	40.48 0.42 0.00	48.44 0.08 0.00	49.53 -0.33 0.00
BETHPAGE_CC_5 323564	41.46 1.72 -3.04	38.62 1.51 0.00	40.61 1.32 0.00	36.76 1.35 0.00	38.83 1.57 0.00	38.58 1.77 -0.99	61.72 2.86 -15.20	93.65 5.03 1.66	38.40 2.48 -0.21	51.08 2.63 -13.38	72.72 2.70 -35.70	68.78 2.76 -30.45	64.64 2.72 -24.62	46.50 2.87 -4.32	54.14 3.16 -6.04	76.63 3.63 -22.43	46.93 2.75 -7.40	57.56 3.17 -7.70	109.52 3.18 -62.27	117.43 3.84 -62.91	70.40 2.99 -23.52	75.95 2.63 -33.26	97.94 2.63 -46.95	76.01 2.36 -23.78
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	35.60 -1.10 0.00	36.10 -1.01 0.00	38.27 -1.02 0.00	34.26 -1.15 0.00	36.22 -1.03 0.00	34.93 -0.88 0.00	42.04 -1.63 0.00	86.64 -3.65 0.00	34.06 -1.65 0.00	31.91 -1.73 1.42	31.32 -1.59 1.42	32.44 -1.55 1.57	36.31 -0.98 0.00	38.49 -0.83 0.00	43.52 -0.83 0.59	47.82 -1.75 1.00	34.71 -1.87 0.21	42.24 -2.17 2.29	36.93 -2.18 4.95	47.56 -2.39 0.73	42.06 -1.83 0.00	38.93 -1.13 0.00	47.32 -1.03 0.00	49.36 -0.50 0.00



BINGHAMTON___COGEN 23790	36.52 -0.17 0.00	36.90 -0.21 0.00	38.98 -0.31 0.00	35.08 -0.32 0.00	37.01 -0.25 0.00	35.72 -0.09 0.00	43.71 0.05 0.00	90.68 0.39 0.00	35.72 0.01 0.00	35.67 -0.01 -0.61	34.85 -0.08 -0.61	36.14 -0.09 -0.67	37.39 0.10 0.00	39.40 0.09 0.00	45.34 0.15 -0.25	51.09 0.09 -0.43	36.74 -0.13 -0.09	47.64 -0.04 -0.98	46.27 0.09 -2.12	51.15 0.15 -0.31	44.05 0.16 0.00	40.25 0.20 0.00	48.40 0.04 0.00	49.93 0.07 0.00
BIXINCNT_115KV_LOAD 355685	34.35 -2.34 0.00	34.77 -2.34 0.00	36.82 -2.47 0.00	32.98 -2.42 0.00	34.97 -2.29 0.00	34.17 -1.64 0.00	41.22 -2.43 0.00	84.73 -5.56 0.00	33.11 -2.60 0.00	32.67 -2.40 0.00	31.90 -2.43 0.00	32.98 -2.58 0.00	35.36 -1.94 0.00	37.61 -1.71 0.00	43.02 -1.92 0.00	47.81 -2.76 0.00	33.99 -2.80 0.00	43.10 -3.60 0.00	40.64 -3.43 0.00	47.10 -3.58 0.00	40.90 -2.99 0.00	37.98 -2.08 0.00	47.02 -1.34 0.00	49.24 -0.62 0.00
BLACK RIVER___HYD 24047	35.37 -1.32 0.00	35.95 -1.16 0.00	38.09 -1.20 0.00	34.39 -1.01 0.00	36.63 -0.63 0.00	37.37 -0.25 -1.80	45.34 -0.98 -2.65	92.06 -2.19 -3.96	35.10 -1.05 -0.43	33.45 -1.62 0.00	32.63 -1.69 0.00	33.89 -1.68 0.00	34.54 -2.75 0.00	36.91 -2.41 0.00	41.96 -2.98 0.00	47.44 -3.13 0.00	34.87 -1.91 0.00	44.27 -2.43 0.00	42.09 -1.98 0.00	48.87 -1.81 0.00	42.72 -1.17 0.00	38.87 -1.19 0.00	48.02 -0.34 0.00	49.93 0.06 0.00
BLACKRVR_115KV_TB2 79977	35.37 -1.32 0.00	35.95 -1.17 0.00	38.09 -1.20 0.00	34.39 -1.01 0.00	36.63 -0.63 0.00	37.37 -0.25 -1.80	45.34 -0.98 -2.65	92.06 -2.19 -3.96	35.10 -1.05 -0.43	33.45 -1.62 0.00	32.64 -1.69 0.00	33.89 -1.68 0.00	34.54 -2.75 0.00	36.91 -2.41 0.00	41.96 -2.98 0.00	47.43 -3.14 0.00	34.87 -1.91 0.00	44.27 -2.43 0.00	42.08 -1.98 0.00	48.88 -1.81 0.00	42.72 -1.17 0.00	38.87 -1.19 0.00	48.02 -0.34 0.00	49.93 0.06 0.00
BLISS_WT_PWR 323608	33.89 -2.80 0.00	34.28 -2.84 0.00	36.31 -2.98 0.00	32.54 -2.86 0.00	34.52 -2.73 0.00	33.87 -1.95 0.00	40.85 -2.81 0.00	83.77 -6.51 0.00	32.70 -3.01 0.00	32.34 -2.73 0.00	31.54 -2.78 0.00	32.57 -2.99 0.00	34.94 -2.35 0.00	37.19 -2.12 0.00	42.56 -2.38 0.00	47.34 -3.23 0.00	33.62 -3.16 0.00	42.54 -4.16 0.00	40.20 -3.87 0.00	46.53 -4.15 0.00	40.38 -3.51 0.00	37.53 -2.53 0.00	46.74 -1.62 0.00	49.02 -0.85 0.00
BLUESTONE___WT_PWR 323821	35.08 -1.61 0.00	35.43 -1.69 0.00	37.39 -1.90 0.00	33.73 -1.68 0.00	35.50 -1.76 0.00	34.39 -1.43 0.00	42.44 -1.22 0.00	88.33 -1.96 0.00	34.73 -0.98 0.00	34.73 -0.94 -0.61	34.20 -0.74 -0.61	35.52 -0.71 -0.67	36.60 -0.69 0.00	38.35 -0.96 0.00	44.35 -0.84 -0.25	50.19 -0.81 -0.43	36.22 -0.66 -0.09	47.07 -0.61 -0.98	46.00 -0.19 -2.12	51.06 0.07 -0.31	44.51 0.62 0.00	40.77 0.71 0.00	48.55 0.19 0.00	49.50 -0.37 0.00
BLUE_CIRC_CHEM_DRP 24182	37.44 0.75 0.00	37.76 0.64 0.00	39.90 0.61 0.00	36.15 0.74 0.00	37.97 0.72 0.00	36.71 0.89 0.00	45.03 1.37 0.00	93.22 2.94 0.00	36.89 1.18 0.00	36.20 1.13 0.00	35.23 0.91 0.00	36.37 0.80 0.00	37.98 0.69 0.00	40.01 0.69 0.00	45.82 0.88 0.00	51.74 1.17 0.00	37.84 1.05 0.00	47.97 1.28 0.00	45.35 1.28 0.00	52.13 1.45 0.00	45.00 1.11 0.00	40.91 0.86 0.00	49.00 0.64 0.00	50.18 0.31 0.00
BOC_GAS_DRP 24189	37.22 0.53 0.00	37.54 0.42 0.00	39.66 0.37 0.00	35.93 0.52 0.00	37.73 0.47 0.00	36.46 0.64 0.00	44.74 1.08 0.00	92.68 2.39 0.00	36.70 0.99 0.00	36.09 1.02 0.00	35.28 0.96 0.00	36.47 0.90 0.00	38.09 0.80 0.00	40.09 0.78 0.00	45.84 0.90 0.00	51.74 1.17 0.00	37.78 0.99 0.00	47.85 1.15 0.00	45.20 1.13 0.00	51.93 1.25 0.00	44.84 0.95 0.00	40.77 0.71 0.00	48.82 0.46 0.00	50.00 0.13 0.00
BOONVILLE_115KV_TB1 79983	36.66 -0.04 0.00	37.20 0.08 0.00	39.32 0.03 0.00	35.44 0.04 0.00	37.41 0.15 0.00	37.18 0.36 -1.01	45.43 0.29 -1.49	93.07 0.54 -2.24	36.09 0.12 -0.26	34.85 -0.22 0.00	34.08 -0.24 0.00	35.24 -0.32 0.00	36.74 -0.55 0.00	38.69 -0.62 0.00	44.19 -0.75 0.00	50.40 -0.17 0.00	36.98 0.19 0.00	47.03 0.33 0.00	44.42 0.35 0.00	50.80 0.12 0.00	44.05 0.16 0.00	40.13 0.08 0.00	48.83 0.48 0.00	50.49 0.63 0.00
BORALEX_4TH_BRANCH 23824	38.16 1.47 0.00	38.47 1.36 0.00	40.58 1.29 0.00	36.81 1.41 0.00	38.65 1.40 0.00	37.41 1.60 0.00	46.02 2.36 0.00	95.26 4.97 0.00	37.67 1.96 0.00	36.93 1.86 0.00	36.05 1.73 0.00	37.26 1.69 0.00	38.84 1.55 0.00	40.86 1.55 0.00	46.79 1.85 0.00	52.88 2.31 0.00	38.55 1.77 0.00	48.68 1.98 0.00	45.93 1.86 0.00	52.90 2.21 0.00	45.58 1.69 0.00	41.43 1.38 0.00	49.62 1.26 0.00	50.63 0.76 0.00
BOWLINE___1 23526	37.77 1.07 0.00	38.02 0.90 0.00	40.03 0.74 0.00	36.21 0.80 0.00	38.13 0.88 0.00	36.92 1.10 0.00	45.58 1.92 0.00	94.42 4.13 0.00	37.57 1.86 0.00	37.04 1.97 0.00	36.29 1.96 0.00	37.48 1.92 0.00	39.13 1.84 0.00	41.22 1.91 0.00	47.02 2.08 0.00	53.13 2.56 0.00	38.75 1.97 0.00	48.97 2.27 0.00	46.36 2.29 0.00	53.42 2.74 0.00	46.00 2.11 0.00	41.79 1.74 0.00	49.83 1.47 0.00	50.99 1.13 0.00
BOWLINE___2 23595	37.77 1.07 0.00	38.02 0.90 0.00	40.04 0.75 0.00	36.21 0.80 0.00	38.13 0.88 0.00	36.92 1.10 0.00	45.56 1.90 0.00	94.41 4.12 0.00	37.57 1.86 0.00	37.03 1.96 0.00	36.28 1.96 0.00	37.48 1.91 0.00	39.12 1.83 0.00	41.21 1.90 0.00	47.01 2.07 0.00	53.13 2.56 0.00	38.74 1.96 0.00	48.97 2.27 0.00	46.36 2.29 0.00	53.42 2.74 0.00	46.00 2.11 0.00	41.79 1.74 0.00	49.83 1.47 0.00	50.99 1.13 0.00
BRADY___115KV_TB2 356060	37.27 0.57 0.00	37.86 0.74 0.00	40.19 0.90 0.00	36.05 0.64 0.00	37.97 0.72 0.00	39.55 0.44 -3.29	48.82 0.31 -4.85	98.12 0.61 -7.22	36.86 0.37 -0.78	35.33 0.26 0.00	34.56 0.24 0.00	36.06 0.50 0.00	37.72 0.43 0.00	39.93 0.62 0.00	45.33 0.39 0.00	50.68 0.10 0.00	36.84 0.06 0.00	46.79 0.09 0.00	44.06 -0.01 0.00	51.12 0.44 0.00	44.47 0.58 0.00	40.65 0.59 0.00	49.50 1.14 0.00	51.20 1.34 0.00
BRANSCOMB___SOLAR 323811	38.45 1.76 0.00	38.84 1.73 0.00	41.24 1.96 0.00	37.32 1.91 0.00	39.01 1.76 0.00	37.74 1.92 0.00	46.49 2.82 0.00	96.24 5.95 0.00	38.03 2.33 0.00	37.25 2.18 0.00	36.33 2.00 0.00	37.39 1.83 0.00	38.94 1.65 0.00	41.14 1.83 0.00	47.19 2.25 0.00	53.23 2.66 0.00	38.72 1.93 0.00	49.09 2.39 0.00	46.57 2.50 0.00	53.68 3.00 0.00	46.31 2.42 0.00	42.06 2.00 0.00	50.39 2.03 0.00	51.50 1.63 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	39.69 1.76 -1.23	38.59 1.48 0.00	40.61 1.33 0.00	36.75 1.35 0.00	38.87 1.62 0.00	36.78 1.78 0.81	59.38 3.01 -12.72	93.60 5.22 1.90	37.54 2.49 0.66	40.56 2.51 -2.99	58.93 2.58 -22.03	59.33 2.68 -21.08	56.19 2.54 -16.35	45.36 2.82 -3.22	50.42 3.01 -2.47	73.16 3.49 -19.10	45.93 2.82 -6.33	56.47 3.19 -6.58	95.11 3.24 -47.81	106.15 4.01 -51.46	60.91 3.04 -13.99	66.46 2.66 -23.74	89.87 2.69 -38.83	69.08 1.43 -16.80



BRISTLHL_115KV_TB1 79998	36.21 -0.49 0.00	36.58 -0.54 0.00	38.70 -0.59 0.00	34.87 -0.54 0.00	36.74 -0.51 0.00	35.40 -0.42 0.00	43.13 -0.53 0.00	89.07 -1.22 0.00	35.02 -0.69 0.00	34.30 -0.77 0.00	33.52 -0.80 0.00	34.72 -0.84 0.00	36.42 -0.87 0.00	38.46 -0.85 0.00	43.97 -0.97 0.00	49.53 -1.04 0.00	36.00 -0.79 0.00	45.77 -0.92 0.00	43.25 -0.82 0.00	49.77 -0.92 0.00	43.14 -0.75 0.00	39.36 -0.70 0.00	47.51 -0.85 0.00	49.07 -0.80 0.00
BROOKHAVEN___DRP 24191	38.54 0.99 -0.86	37.86 0.75 0.00	39.76 0.48 0.00	35.98 0.57 0.00	38.19 0.93 0.00	35.64 1.01 1.18	58.36 2.49 -12.22	91.39 3.15 2.05	36.43 1.56 0.84	37.46 1.58 -0.82	55.14 1.60 -19.21	56.46 1.74 -19.16	53.88 1.92 -14.66	44.46 2.14 -3.00	48.95 2.27 -1.74	72.45 3.44 -18.44	45.16 2.26 -6.11	55.50 2.45 -6.36	91.91 2.92 -44.92	104.37 3.83 -49.85	59.12 2.58 -12.65	64.77 2.30 -22.42	88.75 2.68 -37.71	67.86 2.17 -15.83
BROOKLYN_NAVY_YARD 23515	38.09 1.40 0.00	38.36 1.24 0.00	40.35 1.06 0.00	36.56 1.16 0.00	38.46 1.20 0.00	37.32 1.50 0.00	46.63 2.41 -0.56	97.03 5.15 -1.60	38.94 2.37 -0.86	41.17 2.49 -3.61	38.79 2.52 -1.95	38.86 2.53 -0.77	40.17 2.45 -0.42	41.86 2.55 0.00	47.72 2.79 0.00	53.97 3.40 0.00	39.36 2.57 0.00	49.67 2.97 0.00	50.61 2.91 -3.63	56.76 3.39 -2.69	46.81 2.69 -0.23	42.48 2.24 -0.18	50.64 1.92 -0.36	51.38 1.52 0.00
BROOKLYN___ARMY_DRP 323595	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
BROOKVLE_69_KV_TB1 55790	43.73 1.80 -5.25	38.71 1.59 0.00	40.71 1.42 -0.01	36.86 1.45 -0.01	38.88 1.62 -0.01	40.30 1.85 -2.63	68.27 2.94 -21.66	95.54 5.67 0.42	39.93 2.66 -1.56	65.72 2.79 -27.85	94.74 2.79 -57.63	85.10 2.84 -46.70	78.28 2.80 -38.18	48.56 2.91 -6.34	58.63 3.25 -10.44	85.47 3.78 -31.12	49.89 2.86 -10.24	60.72 3.36 -10.66	140.50 3.32 -93.11	145.25 3.93 -90.64	84.51 3.13 -37.48	92.52 2.69 -49.77	117.10 2.57 -66.17	87.74 2.25 -35.62
BROOME_2_LFGE 323671	36.52 -0.17 0.00	36.90 -0.21 0.00	38.98 -0.31 0.00	35.08 -0.32 0.00	37.01 -0.24 0.00	35.72 -0.09 0.00	43.71 0.05 0.00	90.68 0.39 0.00	35.72 0.01 0.00	35.67 -0.01 -0.61	34.85 -0.08 -0.61	36.15 -0.09 -0.67	37.39 0.10 0.00	39.40 0.09 0.00	45.34 0.15 -0.25	51.09 0.09 -0.43	36.75 -0.13 -0.09	47.64 -0.04 -0.98	46.28 0.09 -2.12	51.15 0.15 -0.31	44.04 0.15 0.00	40.25 0.19 0.00	48.39 0.03 0.00	49.93 0.07 0.00
BROOME___LFGE 323600	36.52 -0.17 0.00	36.90 -0.21 0.00	38.98 -0.31 0.00	35.08 -0.32 0.00	37.01 -0.24 0.00	35.72 -0.09 0.00	43.71 0.05 0.00	90.68 0.39 0.00	35.72 0.01 0.00	35.67 -0.01 -0.61	34.85 -0.08 -0.61	36.15 -0.09 -0.67	37.39 0.10 0.00	39.40 0.09 0.00	45.34 0.15 -0.25	51.09 0.09 -0.43	36.75 -0.13 -0.09	47.64 -0.04 -0.98	46.28 0.09 -2.12	51.15 0.15 -0.31	44.04 0.15 0.00	40.25 0.19 0.00	48.39 0.03 0.00	49.93 0.07 0.00
BROWNFLS_115KV_TB_3_5 80003	35.35 -1.35 0.00	36.01 -1.11 0.00	38.16 -1.13 0.00	34.31 -1.09 0.00	36.29 -0.96 0.00	39.51 -0.92 -4.61	48.87 -1.59 -6.79	97.10 -3.32 -10.13	35.57 -1.24 -1.10	33.51 -1.56 0.00	32.78 -1.54 0.00	34.07 -1.49 0.00	35.38 -1.92 0.00	37.43 -1.88 0.00	42.63 -2.31 0.00	48.23 -2.34 0.00	35.34 -1.45 0.00	44.90 -1.80 0.00	42.32 -1.75 0.00	48.66 -2.02 0.00	42.38 -1.51 0.00	38.67 -1.38 0.00	47.47 -0.88 0.00	49.26 -0.60 0.00
BROWNSV1_27_KV_LOAD 356125	38.47 1.77 0.00	38.69 1.57 0.00	40.68 1.40 0.00	36.84 1.43 0.00	38.78 1.53 0.00	37.61 1.79 0.00	46.52 2.86 0.00	96.55 6.26 0.00	38.46 2.75 0.00	37.94 2.87 0.00	37.18 2.85 0.00	38.46 2.90 0.00	40.15 2.86 0.00	42.27 2.95 0.00	48.20 3.26 0.00	54.51 3.94 0.00	39.74 2.95 0.00	50.17 3.47 0.00	47.47 3.40 0.00	54.64 3.96 0.00	47.07 3.18 0.00	42.73 2.68 0.00	50.81 2.45 0.00	51.94 2.07 0.00
BURROWS___LYONSDAL 23803	36.23 -0.47 0.00	36.83 -0.28 0.00	38.93 -0.36 0.00	35.10 -0.31 0.00	37.08 -0.18 0.00	37.21 0.08 -1.32	45.37 -0.23 -1.94	92.69 -0.51 -2.92	35.81 -0.24 -0.33	34.41 -0.66 0.00	33.67 -0.65 0.00	34.82 -0.75 0.00	36.21 -1.08 0.00	38.16 -1.15 0.00	43.58 -1.36 0.00	49.83 -0.74 0.00	36.65 -0.14 0.00	46.59 -0.11 0.00	43.96 -0.11 0.00	50.18 -0.50 0.00	43.55 -0.34 0.00	39.70 -0.36 0.00	48.51 0.15 0.00	50.27 0.41 0.00
CAITHNESS_CC_1 323624	38.56 1.01 -0.85	37.88 0.77 0.00	39.80 0.52 0.00	36.02 0.61 0.00	38.19 0.94 0.00	35.66 1.04 1.19	58.31 2.44 -12.21	91.42 3.18 2.05	36.48 1.62 0.84	37.52 1.68 -0.77	55.18 1.70 -19.16	56.50 1.81 -19.12	53.88 1.96 -14.63	44.47 2.16 -3.00	48.96 2.30 -1.72	72.32 3.33 -18.42	45.15 2.26 -6.11	55.51 2.45 -6.35	91.77 2.84 -44.86	104.20 3.70 -49.82	59.05 2.55 -12.62	64.73 2.28 -22.39	88.60 2.56 -37.69	67.77 2.10 -15.80
CALPINE BETH_PAGE_GT4 24209	42.25 1.74 -3.82	38.65 1.53 0.00	40.64 1.34 0.00	36.79 1.39 0.00	38.86 1.60 0.00	39.38 1.81 -1.76	62.78 2.80 -16.32	93.75 4.94 1.48	38.75 2.44 -0.59	55.53 2.61 -17.85	78.64 2.73 -41.58	72.86 2.79 -34.50	68.23 2.76 -28.18	47.00 2.89 -4.80	55.70 3.20 -7.56	78.14 3.65 -23.92	47.37 2.71 -7.88	58.02 3.12 -8.20	115.84 3.13 -68.65	122.37 3.78 -67.90	74.32 2.94 -27.48	79.90 2.59 -37.26	101.45 2.64 -50.46	78.93 2.36 -26.71
CALPINE_BETH_PAGE_GT_4 323586	42.25 1.74 -3.82	38.65 1.54 0.00	40.64 1.35 0.00	36.79 1.39 0.00	38.86 1.60 0.00	39.37 1.80 -1.76	62.77 2.79 -16.32	93.75 4.94 1.48	38.75 2.44 -0.59	55.53 2.61 -17.85	78.65 2.74 -41.58	72.86 2.79 -34.50	68.23 2.76 -28.18	47.01 2.89 -4.80	55.70 3.20 -7.56	78.13 3.64 -23.92	47.37 2.71 -7.88	58.02 3.12 -8.20	115.83 3.11 -68.65	122.34 3.75 -67.90	74.32 2.95 -27.48	79.91 2.60 -37.26	101.47 2.65 -50.46	78.94 2.37 -26.71
CALPINE_BP_GT1 23823	42.25 1.74 -3.82	38.65 1.54 0.00	40.64 1.35 0.00	36.79 1.39 0.00	38.86 1.60 0.00	39.37 1.80 -1.76	62.77 2.79 -16.32	93.75 4.94 1.48	38.75 2.44 -0.59	55.53 2.61 -17.85	78.65 2.74 -41.58	72.86 2.79 -34.50	68.23 2.76 -28.18	47.01 2.89 -4.80	55.70 3.20 -7.56	78.13 3.64 -23.92	47.37 2.71 -7.88	58.02 3.12 -8.20	115.83 3.11 -68.65	122.34 3.75 -67.90	74.32 2.95 -27.48	79.91 2.60 -37.26	101.47 2.65 -50.46	78.94 2.37 -26.71
CALSPAN___DRP 24200	35.57 -1.13 0.00	36.09 -1.03 0.00	38.26 -1.03 0.00	34.25 -1.15 0.00	36.21 -1.05 0.00	34.89 -0.92 0.00	41.96 -1.70 0.00	86.47 -3.81 0.00	34.01 -1.71 0.00	31.67 -1.80 1.60	31.10 -1.64 1.59	32.21 -1.59 1.76	36.25 -1.04 0.00	38.42 -0.89 0.00	43.40 -0.88 1.12	47.63 -1.81 0.23	34.63 -1.93 0.23	41.91 -2.23 2.57	36.28 -2.23 5.55	47.39 -2.48 0.82	42.00 -1.89 0.00	38.87 -1.19 0.00	47.24 -1.12 0.00	49.27 -0.60 0.00



CALVERTON___SOLAR 323806	38.54 0.98 -0.87	37.86 0.74 0.00	39.73 0.45 0.00	35.93 0.53 0.00	38.15 0.90 0.00	35.61 0.97 1.18	58.40 2.52 -12.22	91.32 3.08 2.05	36.38 1.51 0.84	37.42 1.53 -0.83	55.11 1.56 -19.23	56.44 1.71 -19.17	53.92 1.96 -14.67	44.50 2.19 -3.00	49.00 2.32 -1.74	72.60 3.58 -18.44	45.21 2.30 -6.12	55.56 2.50 -6.36	92.04 3.03 -44.94	104.55 4.00 -49.86	59.20 2.66 -12.66	64.87 2.38 -22.43	88.94 2.86 -37.72	68.00 2.30 -15.83
CANDIGU_WT_PWR 323617	34.30 -2.40 0.00	34.85 -2.27 0.00	36.73 -2.56 0.00	32.98 -2.42 0.00	35.16 -2.09 0.00	33.80 -2.02 0.00	41.00 -2.66 0.00	84.52 -5.77 0.00	33.18 -2.53 0.00	11.93 -2.55 20.59	11.14 -2.63 20.54	10.06 -2.75 22.75	34.80 -2.49 0.00	36.67 -2.64 0.00	33.35 -3.03 8.56	32.54 -3.54 14.50	30.86 -2.93 3.00	10.12 -3.44 33.13	-30.63 -3.02 71.68	36.89 -3.21 10.58	41.48 -2.41 0.00	37.91 -2.14 0.00	46.11 -2.25 0.00	48.27 -1.60 0.00
CARR STREET_E_SYR 24060	36.52 -0.18 0.00	36.90 -0.22 0.00	39.03 -0.26 0.00	35.15 -0.25 0.00	37.04 -0.22 0.00	35.68 -0.13 0.00	43.52 -0.14 0.00	89.94 -0.34 0.00	35.36 -0.35 0.00	34.66 -0.41 0.00	33.89 -0.42 0.00	35.12 -0.45 0.00	36.88 -0.42 0.00	38.91 -0.40 0.00	44.47 -0.47 0.00	50.07 -0.50 0.00	36.36 -0.43 0.00	46.22 -0.48 0.00	43.70 -0.37 0.00	50.26 -0.42 0.00	43.54 -0.35 0.00	39.75 -0.30 0.00	47.94 -0.41 0.00	49.51 -0.36 0.00
CARTHAGE___PAPER 23857	35.58 -1.11 0.00	36.24 -0.87 0.00	38.39 -0.90 0.00	34.61 -0.80 0.00	36.77 -0.49 0.00	37.75 -0.17 -2.10	45.92 -0.84 -3.10	93.02 -1.89 -4.63	35.39 -0.83 -0.51	33.66 -1.41 0.00	32.85 -1.48 0.00	34.15 -1.42 0.00	34.92 -2.37 0.00	37.11 -2.20 0.00	42.29 -2.65 0.00	48.02 -2.55 0.00	35.40 -1.39 0.00	44.92 -1.78 0.00	42.60 -1.46 0.00	49.20 -1.48 0.00	42.93 -0.96 0.00	39.09 -0.96 0.00	48.26 -0.10 0.00	50.17 0.30 0.00
CASSADAGA_WT_PWR 323784	34.50 -2.20 0.00	35.00 -2.12 0.00	36.92 -2.36 0.00	32.89 -2.52 0.00	34.96 -2.29 0.00	33.94 -1.88 0.00	40.97 -2.69 0.00	84.78 -5.50 0.00	33.27 -2.44 0.00	32.74 -2.34 0.00	32.04 -2.28 0.00	33.30 -2.27 0.00	35.64 -1.65 0.00	37.76 -1.56 0.00	43.44 -1.50 0.00	48.26 -2.31 0.00	34.18 -2.60 0.00	43.47 -3.23 0.00	41.25 -2.83 0.00	47.98 -2.70 0.00	41.47 -2.42 0.00	38.70 -1.36 0.00	47.19 -1.17 0.00	50.32 0.45 0.00
CE_DUNWOOD___DRP 24194	38.03 1.34 0.00	38.27 1.15 0.00	40.29 1.00 0.00	36.48 1.08 0.00	38.41 1.15 0.00	37.21 1.39 0.00	45.97 2.31 0.00	95.30 5.02 0.00	37.93 2.22 0.00	37.39 2.32 0.00	36.63 2.30 0.00	37.88 2.32 0.00	39.54 2.25 0.00	41.63 2.32 0.00	47.48 2.54 0.00	53.68 3.11 0.00	39.14 2.35 0.00	49.45 2.75 0.00	46.78 2.71 0.00	53.87 3.19 0.00	46.40 2.51 0.00	42.15 2.10 0.00	50.20 1.84 0.00	51.36 1.49 0.00
CE_MILLWOOD___DRP 24193	37.92 1.22 0.00	38.16 1.04 0.00	40.19 0.90 0.00	36.38 0.97 0.00	38.30 1.04 0.00	37.08 1.27 0.00	45.80 2.14 0.00	94.95 4.66 0.00	37.77 2.06 0.00	37.23 2.17 0.00	36.47 2.15 0.00	37.71 2.15 0.00	39.37 2.07 0.00	41.45 2.13 0.00	47.28 2.34 0.00	53.43 2.86 0.00	38.97 2.19 0.00	49.24 2.54 0.00	46.59 2.52 0.00	53.68 3.00 0.00	46.23 2.34 0.00	41.99 1.94 0.00	50.04 1.68 0.00	51.19 1.33 0.00
CE_NYC2_DRP 24202	38.26 1.57 0.00	38.42 1.35 0.05	40.41 1.20 0.08	36.67 1.27 0.00	38.61 1.35 0.00	37.41 1.60 0.00	46.29 2.63 0.00	95.88 5.59 0.00	38.29 2.58 0.00	37.78 2.71 0.00	37.02 2.70 0.00	38.29 2.73 0.00	39.97 2.68 0.00	42.10 2.78 0.00	47.96 3.02 0.00	54.24 3.66 0.00	39.52 2.74 0.00	49.86 3.16 0.00	47.23 3.16 0.00	54.27 3.59 0.00	46.76 2.87 0.00	42.42 2.36 0.00	50.46 2.10 0.00	51.62 1.76 0.00
CE_NYC_DRP 24195	38.18 1.48 0.00	38.40 1.28 0.00	40.40 1.11 0.00	36.59 1.19 0.00	38.52 1.26 0.00	37.35 1.53 0.00	46.18 2.51 0.00	95.76 5.47 0.00	38.16 2.45 0.00	37.63 2.57 0.00	36.88 2.56 0.00	38.15 2.59 0.00	39.83 2.54 0.00	41.94 2.63 0.00	47.84 2.90 0.00	54.09 3.53 0.00	39.45 2.67 0.00	49.80 3.10 0.00	47.10 3.03 0.00	54.20 3.52 0.00	46.69 2.80 0.00	42.39 2.33 0.00	50.40 2.04 0.00	51.53 1.67 0.00
CHAFFEE___LFGE 323603	35.83 -0.87 0.00	36.21 -0.91 0.00	38.19 -1.09 0.00	34.19 -1.21 0.00	36.15 -1.11 0.00	34.85 -0.96 0.00	42.38 -1.28 0.00	88.23 -2.06 0.00	34.61 -1.10 0.00	34.52 -1.12 -0.58	33.66 -1.24 -0.57	35.06 -1.14 -0.64	36.85 -0.44 0.00	39.21 -0.10 0.00	44.89 -0.28 -0.24	49.84 -1.13 -0.41	35.49 -1.38 -0.08	46.09 -1.54 -0.93	44.64 -1.44 -2.00	49.69 -1.29 -0.29	42.89 -1.00 0.00	39.56 -0.49 0.00	47.97 -0.38 0.00	49.93 0.06 0.00
CHATEAUG_35_KV_LOAD 355732	36.00 -0.69 0.00	37.09 -0.03 0.00	39.37 0.08 0.00	35.07 -0.34 0.00	37.26 0.00 0.00	-10.02 -1.14 44.70	-23.89 -1.69 65.85	-11.29 -3.51 98.07	24.10 -1.01 10.60	34.31 -0.76 0.00	33.60 -0.73 0.00	34.98 -0.59 0.00	36.85 -0.45 0.00	39.02 -0.29 0.00	44.72 -0.22 0.00	49.70 -0.87 0.00	36.05 -0.73 0.00	45.57 -1.13 0.00	42.81 -1.26 0.00	49.35 -1.33 0.00	43.00 -0.89 0.00	39.41 -0.64 0.00	48.16 -0.19 0.00	49.70 -0.17 0.00
CHATEAUG_WT_PWR 323614	36.05 -0.64 0.00	37.10 -0.01 0.00	39.37 0.08 0.00	35.05 -0.35 0.00	37.26 0.00 0.00	-6.36 -1.11 41.07	-18.51 -1.66 60.51	-3.36 -3.55 90.10	24.97 -1.00 9.74	34.33 -0.74 0.00	33.59 -0.74 0.00	34.97 -0.60 0.00	36.82 -0.48 0.00	39.00 -0.31 0.00	44.70 -0.24 0.00	49.70 -0.87 0.00	36.04 -0.75 0.00	45.56 -1.14 0.00	42.82 -1.24 0.00	49.36 -1.33 0.00	43.00 -0.89 0.00	39.41 -0.64 0.00	48.14 -0.22 0.00	49.67 -0.20 0.00
CHAT_HIGH_FALL_HYD 323578	36.00 -0.69 0.00	37.09 -0.03 0.00	39.37 0.08 0.00	35.07 -0.34 0.00	37.26 0.00 0.00	-10.02 -1.14 44.70	-23.89 -1.69 65.85	-11.29 -3.51 98.07	24.10 -1.01 10.60	34.31 -0.76 0.00	33.60 -0.73 0.00	34.98 -0.59 0.00	36.85 -0.45 0.00	39.02 -0.29 0.00	44.72 -0.22 0.00	49.70 -0.87 0.00	36.05 -0.73 0.00	45.57 -1.13 0.00	42.81 -1.26 0.00	49.35 -1.33 0.00	43.00 -0.89 0.00	39.41 -0.64 0.00	48.16 -0.19 0.00	49.70 -0.17 0.00
CHAUTAUQUA___LFGE 323629	35.20 -1.50 0.00	35.72 -1.40 0.00	37.68 -1.61 0.00	33.53 -1.87 0.00	35.60 -1.65 0.00	34.45 -1.37 0.00	41.67 -1.99 0.00	86.40 -3.89 0.00	33.93 -1.78 0.00	32.34 -1.76 0.97	31.63 -1.73 0.97	32.76 -1.73 1.07	36.18 -1.11 0.00	38.20 -1.11 0.00	43.54 -0.99 0.40	48.15 -1.74 0.68	34.62 -2.03 0.14	42.73 -2.41 1.56	38.55 -2.14 3.38	48.01 -2.18 0.50	42.05 -1.84 0.00	39.07 -0.98 0.00	47.42 -0.93 0.00	50.16 0.30 0.00
CHERRYST_13_KV_LD 356241	38.27 1.57 0.00	38.50 1.39 0.00	40.50 1.21 0.00	36.69 1.28 0.00	38.62 1.36 0.00	37.45 1.64 0.00	46.31 2.65 0.00	96.09 5.81 0.00	38.30 2.59 0.00	37.76 2.70 0.00	37.00 2.68 0.00	38.29 2.72 0.00	39.96 2.67 0.00	42.08 2.77 0.00	48.01 3.07 0.00	54.28 3.71 0.00	39.59 2.80 0.00	49.98 3.28 0.00	47.25 3.18 0.00	54.36 3.68 0.00	46.82 2.94 0.00	42.51 2.45 0.00	50.54 2.18 0.00	51.67 1.81 0.00



CHESTROR_138KV_BK263 355645	37.62 0.93 0.00	37.90 0.79 0.00	39.97 0.68 0.00	36.15 0.75 0.00	38.07 0.81 0.00	36.83 1.02 0.00	45.39 1.72 0.00	94.02 3.73 0.00	37.39 1.68 0.00	36.83 1.76 0.00	36.06 1.74 0.00	37.27 1.71 0.00	38.89 1.60 0.00	40.91 1.60 0.00	46.71 1.77 0.00	52.76 2.19 0.00	38.47 1.69 0.00	48.64 1.95 0.00	46.05 1.99 0.00	53.11 2.43 0.00	45.78 1.89 0.00	41.61 1.56 0.00	49.66 1.30 0.00	50.85 0.98 0.00
CH_MIDHUDSON___DRP 24192	37.99 1.29 0.00	38.25 1.14 0.00	40.33 1.04 0.00	36.51 1.11 0.00	38.41 1.16 0.00	37.20 1.39 0.00	45.90 2.24 0.00	95.16 4.87 0.00	37.84 2.13 0.00	37.28 2.21 0.00	36.50 2.18 0.00	37.73 2.16 0.00	39.36 2.07 0.00	41.40 2.09 0.00	47.24 2.30 0.00	53.36 2.79 0.00	38.96 2.18 0.00	49.27 2.57 0.00	46.63 2.56 0.00	53.67 2.99 0.00	46.27 2.39 0.00	42.03 1.98 0.00	50.10 1.74 0.00	51.24 1.37 0.00
CH_MISC_IPPS 23765	38.16 1.46 0.00	38.42 1.30 0.00	40.50 1.21 0.00	36.64 1.24 0.00	38.59 1.34 0.00	37.38 1.56 0.00	46.13 2.47 0.00	95.63 5.34 0.00	38.04 2.33 0.00	37.48 2.41 0.00	36.70 2.38 0.00	37.93 2.36 0.00	39.54 2.25 0.00	41.57 2.25 0.00	47.43 2.49 0.00	53.60 3.03 0.00	39.15 2.36 0.00	49.52 2.82 0.00	46.88 2.81 0.00	53.98 3.30 0.00	46.54 2.65 0.00	42.27 2.22 0.00	50.38 2.02 0.00	51.51 1.65 0.00
CH_RES_BVR_FALLS 23983	36.06 -0.63 0.00	36.73 -0.38 0.00	39.12 -0.17 0.00	35.17 -0.23 0.00	36.97 -0.28 0.00	35.11 -0.70 0.00	42.58 -1.08 0.00	87.98 -2.31 0.00	34.97 -0.74 0.00	34.31 -0.75 0.00	33.65 -0.67 0.00	34.93 -0.63 0.00	36.67 -0.62 0.00	38.66 -0.65 0.00	44.18 -0.76 0.00	49.63 -0.94 0.00	36.20 -0.59 0.00	46.10 -0.60 0.00	43.32 -0.75 0.00	49.63 -1.06 0.00	43.09 -0.80 0.00	39.46 -0.60 0.00	48.21 -0.15 0.00	49.98 0.12 0.00
CH_RES_NIAGARA 23895	34.70 -1.99 0.00	35.23 -1.89 0.00	37.41 -1.89 0.00	33.51 -1.89 0.00	35.39 -1.86 0.00	34.02 -1.80 0.00	40.72 -2.94 0.00	83.71 -6.57 0.00	32.93 -2.78 0.00	29.98 -2.90 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.83 -3.20 1.54	33.51 -2.96 0.32	39.68 -3.50 3.52	32.93 -3.53 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.84 -2.52 0.00	47.77 -2.10 0.00
CH_RES_SYRACUSE 23985	36.70 0.00 0.00	37.08 -0.03 0.00	39.23 -0.06 0.00	35.33 -0.07 0.00	37.21 -0.04 0.00	35.85 0.03 0.00	43.73 0.06 0.00	90.39 0.10 0.00	35.52 -0.19 0.00	34.82 -0.25 0.00	34.03 -0.29 0.00	35.25 -0.31 0.00	37.01 -0.29 0.00	39.05 -0.27 0.00	44.64 -0.30 0.00	50.29 -0.28 0.00	36.50 -0.29 0.00	46.45 -0.25 0.00	43.93 -0.14 0.00	50.52 -0.16 0.00	43.78 -0.11 0.00	39.97 -0.09 0.00	48.21 -0.15 0.00	49.77 -0.09 0.00
CLINTON_WT_PWR 323605	36.05 -0.64 0.00	37.10 -0.01 0.00	39.37 0.08 0.00	35.05 -0.35 0.00	37.26 0.00 0.00	-6.36 -1.11 41.07	-18.51 -1.66 60.51	-3.36 -3.55 90.10	24.97 -1.00 9.74	34.33 -0.74 0.00	33.59 -0.74 0.00	34.97 -0.60 0.00	36.82 -0.48 0.00	39.00 -0.31 0.00	44.70 -0.24 0.00	49.70 -0.87 0.00	36.04 -0.75 0.00	45.56 -1.14 0.00	42.82 -1.24 0.00	49.36 -1.33 0.00	43.00 -0.89 0.00	39.41 -0.64 0.00	48.14 -0.22 0.00	49.67 -0.20 0.00
CLINTON___LFGE 323618	36.63 -0.06 0.00	37.61 0.50 0.00	39.99 0.70 0.00	35.62 0.21 0.00	37.76 0.51 0.00	-5.81 -0.56 41.07	-17.86 -1.02 60.51	-1.96 -2.15 90.10	25.48 -0.49 9.74	34.94 -0.13 0.00	34.19 -0.13 0.00	35.61 0.04 0.00	37.46 0.17 0.00	39.71 0.39 0.00	45.52 0.58 0.00	50.46 -0.11 0.00	36.56 -0.22 0.00	46.13 -0.57 0.00	43.42 -0.65 0.00	50.18 -0.50 0.00	43.81 -0.08 0.00	40.10 0.05 0.00	48.97 0.61 0.00	50.50 0.63 0.00
COBBLENY_34_KV_TB1 80064	35.83 -0.87 0.00	36.22 -0.90 0.00	38.20 -1.09 0.00	34.19 -1.22 0.00	36.15 -1.11 0.00	34.85 -0.97 0.00	42.37 -1.29 0.00	88.23 -2.06 0.00	34.60 -1.11 0.00	34.52 -1.13 -0.58	33.66 -1.24 -0.57	35.06 -1.15 -0.64	36.86 -0.44 0.00	39.21 -0.10 0.00	44.89 -0.29 -0.24	49.84 -1.14 -0.41	35.46 -1.41 -0.08	46.08 -1.55 -0.93	44.56 -1.51 -2.00	49.69 -1.29 -0.29	42.89 -1.00 0.00	39.56 -0.49 0.00	47.98 -0.38 0.00	49.93 0.07 0.00
COFFEEN___115KV_TB3 355620	35.62 -1.07 0.00	36.18 -0.93 0.00	38.33 -0.96 0.00	34.60 -0.81 0.00	36.83 -0.43 0.00	37.53 -0.04 -1.75	45.58 -0.66 -2.58	92.66 -1.47 -3.85	35.35 -0.79 -0.42	33.66 -1.41 0.00	32.82 -1.50 0.00	34.08 -1.49 0.00	34.58 -2.71 0.00	37.13 -2.19 0.00	42.14 -2.80 0.00	47.47 -3.10 0.00	34.88 -1.91 0.00	44.26 -2.43 0.00	42.20 -1.87 0.00	49.23 -1.45 0.00	43.05 -0.84 0.00	39.16 -0.90 0.00	48.27 -0.08 0.00	50.14 0.27 0.00
COLDSPRG_115KV_BK1 355956	35.94 -0.76 0.00	36.38 -0.73 0.00	38.38 -0.91 0.00	34.26 -1.15 0.00	36.31 -0.95 0.00	35.19 -0.63 0.00	42.66 -1.00 0.00	88.58 -1.70 0.00	34.77 -0.94 0.00	34.14 -0.92 0.00	33.37 -0.95 0.00	34.64 -0.92 0.00	37.05 -0.24 0.00	39.30 -0.02 0.00	44.96 0.02 0.00	49.86 -0.71 0.00	35.54 -1.25 0.00	45.33 -1.37 0.00	42.79 -1.28 0.00	49.67 -1.01 0.00	43.06 -0.83 0.00	39.93 -0.13 0.00	48.47 0.11 0.00	50.98 1.11 0.00
COLONIE_LFGE___ 323577	37.77 1.08 0.00	38.08 0.97 0.00	40.18 0.90 0.00	36.42 1.01 0.00	38.27 1.01 0.00	37.02 1.20 0.00	45.49 1.83 0.00	94.22 3.94 0.00	37.28 1.57 0.00	36.59 1.52 0.00	35.72 1.39 0.00	36.88 1.31 0.00	38.44 1.15 0.00	40.51 1.20 0.00	46.39 1.45 0.00	52.33 1.76 0.00	38.19 1.40 0.00	48.36 1.66 0.00	45.71 1.64 0.00	52.61 1.93 0.00	45.38 1.49 0.00	41.22 1.17 0.00	49.37 1.02 0.00	50.50 0.63 0.00
COOPERNY_115KV_TB1 80082	37.36 0.66 0.00	37.67 0.55 0.00	39.76 0.47 0.00	35.93 0.53 0.00	37.82 0.57 0.00	36.55 0.74 0.00	44.93 1.27 0.00	93.05 2.76 0.00	36.94 1.23 0.00	36.37 1.30 0.00	35.60 1.28 0.00	36.81 1.25 0.00	38.46 1.17 0.00	40.48 1.17 0.00	46.23 1.29 0.00	52.15 1.58 0.00	38.01 1.23 0.00	48.13 1.42 0.00	45.53 1.46 0.00	52.44 1.76 0.00	45.25 1.36 0.00	41.19 1.13 0.00	49.27 0.91 0.00	50.53 0.66 0.00
COPENHAGEN_WT_PWR 323753	34.93 -1.77 0.00	35.48 -1.63 0.00	37.65 -1.64 0.00	34.04 -1.37 0.00	36.33 -0.93 0.00	36.95 -0.52 -1.66	44.59 -1.50 -2.44	90.57 -3.36 -3.64	34.60 -1.51 -0.40	33.04 -2.03 0.00	32.27 -2.06 0.00	33.46 -2.10 0.00	34.19 -3.10 0.00	36.50 -2.81 0.00	41.51 -3.43 0.00	46.94 -3.63 0.00	34.51 -2.28 0.00	43.83 -2.87 0.00	41.58 -2.49 0.00	48.25 -2.44 0.00	42.16 -1.73 0.00	38.37 -1.69 0.00	47.63 -0.73 0.00	49.62 -0.25 0.00
CORNELL_____ 23752	37.04 0.35 0.00	37.42 0.30 0.00	39.55 0.26 0.00	35.60 0.20 0.00	37.52 0.27 0.00	36.18 0.36 0.00	44.31 0.65 0.00	91.82 1.53 0.00	36.09 0.38 0.00	36.79 0.27 -1.45	35.89 0.12 -1.45	37.32 0.15 -1.60	37.59 0.30 0.00	39.74 0.43 0.00	45.89 0.35 -0.60	51.87 0.28 -1.02	37.06 0.06 -0.21	49.29 0.26 -2.33	49.70 0.59 -5.04	52.14 0.72 -0.74	44.58 0.69 0.00	40.71 0.66 0.00	48.92 0.56 0.00	50.39 0.53 0.00



CORONA V_69_KV_TB1 355595	52.51 1.75 -14.06	38.67 1.54 -0.02	40.69 1.36 -0.04	36.84 1.41 -0.03	38.87 1.58 -0.03	50.55 1.80 -12.93	71.47 2.82 -24.99	98.58 5.09 -3.20	44.42 2.51 -6.20	122.78 2.64 -85.08	158.12 2.61 -121.19	124.00 2.66 -85.78	115.05 2.61 -75.14	51.98 2.77 -9.90	76.87 3.12 -28.81	88.98 3.51 -34.89	50.82 2.72 -11.31	61.69 3.20 -11.80	182.55 3.16 -135.32	164.23 3.71 -109.84	129.72 2.95 -82.88	128.85 2.53 -86.26	130.99 2.40 -80.23	115.04 2.18 -63.00
CORTLAND_115KV_TB3 80093	36.90 0.20 0.00	37.27 0.15 0.00	39.40 0.11 0.00	35.47 0.07 0.00	37.39 0.14 0.00	36.07 0.25 0.00	44.14 0.48 0.00	91.45 1.16 0.00	36.00 0.29 0.00	35.77 0.19 -0.52	34.93 0.09 -0.51	36.22 0.08 -0.57	37.51 0.22 0.00	39.54 0.22 0.00	45.39 0.24 -0.21	51.15 0.22 -0.36	36.92 0.06 -0.07	47.70 0.17 -0.83	46.26 0.40 -1.79	51.43 0.49 -0.26	44.33 0.44 0.00	40.46 0.40 0.00	48.67 0.31 0.00	50.17 0.31 0.00
COXSACKIE__GT 23611	38.52 1.83 0.00	38.80 1.69 0.00	41.01 1.72 0.00	37.16 1.76 0.00	39.05 1.80 0.00	37.82 2.01 0.00	46.58 2.92 0.00	96.73 6.45 0.00	38.37 2.66 0.00	37.54 2.47 0.00	36.19 1.87 0.00	37.06 1.50 0.00	38.67 1.38 0.00	40.55 1.24 0.00	46.53 1.60 0.00	52.62 2.05 0.00	38.65 1.86 0.00	49.31 2.61 0.00	46.67 2.60 0.00	53.86 3.18 0.00	46.46 2.57 0.00	42.13 2.07 0.00	50.29 1.93 0.00	51.32 1.45 0.00
CPV_VALLEY__CC1 323721	37.38 0.68 0.00	37.66 0.55 0.00	39.72 0.44 0.00	35.92 0.52 0.00	37.82 0.57 0.00	36.58 0.76 0.00	45.03 1.37 0.00	93.29 3.00 0.00	37.10 1.39 0.00	36.54 1.47 0.00	35.78 1.46 0.00	36.98 1.41 0.00	38.61 1.31 0.00	40.65 1.33 0.00	46.39 1.45 0.00	52.38 1.81 0.00	38.20 1.42 0.00	48.30 1.60 0.00	45.71 1.64 0.00	52.67 1.98 0.00	45.41 1.52 0.00	41.30 1.24 0.00	49.31 0.95 0.00	50.50 0.64 0.00
CPV_VALLEY__CC2 323722	37.38 0.68 0.00	37.66 0.55 0.00	39.72 0.44 0.00	35.92 0.52 0.00	37.82 0.57 0.00	36.58 0.76 0.00	45.03 1.37 0.00	93.29 3.00 0.00	37.10 1.39 0.00	36.54 1.47 0.00	35.78 1.46 0.00	36.98 1.41 0.00	38.61 1.31 0.00	40.65 1.33 0.00	46.39 1.45 0.00	52.38 1.81 0.00	38.20 1.42 0.00	48.30 1.60 0.00	45.71 1.64 0.00	52.67 1.98 0.00	45.41 1.52 0.00	41.30 1.24 0.00	49.31 0.95 0.00	50.50 0.64 0.00
CRESCENT__HYD 24018	37.77 1.08 0.00	38.08 0.97 0.00	40.18 0.90 0.00	36.42 1.01 0.00	38.27 1.01 0.00	37.02 1.20 0.00	45.49 1.83 0.00	94.22 3.94 0.00	37.28 1.57 0.00	36.59 1.52 0.00	35.72 1.39 0.00	36.88 1.31 0.00	38.44 1.15 0.00	40.51 1.20 0.00	46.39 1.45 0.00	52.33 1.76 0.00	38.19 1.40 0.00	48.36 1.66 0.00	45.71 1.64 0.00	52.61 1.93 0.00	45.38 1.49 0.00	41.22 1.17 0.00	49.37 1.02 0.00	50.50 0.63 0.00
CRICKET__VALLEY_CC1 323756	37.66 0.96 0.00	37.93 0.82 0.00	39.99 0.70 0.00	36.21 0.81 0.00	38.08 0.82 0.00	36.88 1.06 0.00	45.45 1.79 0.00	94.15 3.86 0.00	37.44 1.73 0.00	36.89 1.82 0.00	36.12 1.80 0.00	37.33 1.77 0.00	38.97 1.68 0.00	40.99 1.67 0.00	46.78 1.84 0.00	52.85 2.27 0.00	38.56 1.77 0.00	48.71 2.01 0.00	46.03 1.96 0.00	53.01 2.32 0.00	45.71 1.82 0.00	41.52 1.47 0.00	49.50 1.14 0.00	50.60 0.73 0.00
CRICKET__VALLEY_CC2 323757	37.66 0.96 0.00	37.93 0.82 0.00	39.99 0.70 0.00	36.21 0.81 0.00	38.08 0.82 0.00	36.88 1.06 0.00	45.45 1.79 0.00	94.15 3.86 0.00	37.44 1.73 0.00	36.89 1.82 0.00	36.12 1.80 0.00	37.33 1.77 0.00	38.97 1.68 0.00	40.99 1.67 0.00	46.78 1.84 0.00	52.85 2.27 0.00	38.56 1.77 0.00	48.71 2.01 0.00	46.03 1.96 0.00	53.01 2.32 0.00	45.71 1.82 0.00	41.52 1.47 0.00	49.50 1.14 0.00	50.60 0.73 0.00
CRICKET__VALLEY_CC3 323758	37.66 0.96 0.00	37.93 0.82 0.00	39.99 0.70 0.00	36.21 0.81 0.00	38.08 0.82 0.00	36.88 1.06 0.00	45.45 1.79 0.00	94.15 3.86 0.00	37.44 1.73 0.00	36.89 1.82 0.00	36.12 1.80 0.00	37.33 1.77 0.00	38.97 1.68 0.00	40.99 1.67 0.00	46.78 1.84 0.00	52.85 2.27 0.00	38.56 1.77 0.00	48.71 2.01 0.00	46.03 1.96 0.00	53.01 2.32 0.00	45.71 1.82 0.00	41.52 1.47 0.00	49.50 1.14 0.00	50.60 0.73 0.00
CRUCIBLE_METL_DRP 24180	36.70 0.00 0.00	37.08 -0.03 0.00	39.23 -0.06 0.00	35.33 -0.07 0.00	37.21 -0.04 0.00	35.85 0.03 0.00	43.73 0.06 0.00	90.39 0.10 0.00	35.52 -0.19 0.00	34.82 -0.25 0.00	34.03 -0.29 0.00	35.25 -0.31 0.00	37.00 -0.28 0.00	39.05 -0.27 0.00	44.64 -0.30 0.00	50.29 -0.28 0.00	36.49 -0.29 0.00	46.45 -0.25 0.00	43.92 -0.15 0.00	50.52 -0.16 0.00	43.78 -0.11 0.00	39.97 -0.09 0.00	48.21 -0.15 0.00	49.77 -0.09 0.00
DAHOWA__HYDRO 323763	38.58 1.89 0.00	38.96 1.84 0.00	41.35 2.06 0.00	37.42 2.02 0.00	39.15 1.90 0.00	37.88 2.07 0.00	46.70 3.04 0.00	96.66 6.37 0.00	38.19 2.48 0.00	37.41 2.34 0.00	36.49 2.17 0.00	37.56 2.00 0.00	39.13 1.83 0.00	41.32 2.01 0.00	47.38 2.44 0.00	53.45 2.88 0.00	38.86 2.08 0.00	49.23 2.54 0.00	46.75 2.68 0.00	53.91 3.22 0.00	46.49 2.60 0.00	42.23 2.17 0.00	50.59 2.24 0.00	51.68 1.81 0.00
DANC__LFGE 323619	35.36 -1.33 0.00	35.85 -1.27 0.00	37.98 -1.31 0.00	34.29 -1.11 0.00	36.41 -0.84 0.00	36.40 -0.55 -1.14	44.14 -1.20 -1.67	90.13 -2.65 -2.50	34.74 -1.25 -0.27	33.45 -1.61 0.00	32.69 -1.63 0.00	33.89 -1.68 0.00	34.96 -2.33 0.00	37.16 -2.15 0.00	42.37 -2.57 0.00	47.83 -2.74 0.00	35.00 -1.79 0.00	44.45 -2.25 0.00	42.13 -1.93 0.00	48.76 -1.92 0.00	42.47 -1.42 0.00	38.69 -1.36 0.00	47.49 -0.87 0.00	49.29 -0.58 0.00
DANSKAMMER__1 23586	38.16 1.46 0.00	38.42 1.30 0.00	40.50 1.21 0.00	36.64 1.24 0.00	38.59 1.34 0.00	37.38 1.56 0.00	46.13 2.47 0.00	95.63 5.34 0.00	38.04 2.33 0.00	37.48 2.41 0.00	36.70 2.38 0.00	37.93 2.36 0.00	39.54 2.25 0.00	41.57 2.25 0.00	47.43 2.49 0.00	53.60 3.03 0.00	39.15 2.36 0.00	49.52 2.82 0.00	46.88 2.81 0.00	53.98 3.30 0.00	46.54 2.65 0.00	42.27 2.22 0.00	50.38 2.02 0.00	51.51 1.65 0.00
DANSKAMMER__2 23589	38.16 1.46 0.00	38.42 1.30 0.00	40.50 1.21 0.00	36.64 1.24 0.00	38.59 1.34 0.00	37.38 1.56 0.00	46.13 2.47 0.00	95.63 5.34 0.00	38.04 2.33 0.00	37.48 2.41 0.00	36.70 2.38 0.00	37.93 2.36 0.00	39.54 2.25 0.00	41.57 2.25 0.00	47.43 2.49 0.00	53.60 3.03 0.00	39.15 2.36 0.00	49.52 2.82 0.00	46.88 2.81 0.00	53.98 3.30 0.00	46.54 2.65 0.00	42.27 2.22 0.00	50.38 2.02 0.00	51.51 1.65 0.00
DANSKAMMER__3 23590	38.16 1.46 0.00	38.42 1.30 0.00	40.50 1.21 0.00	36.64 1.24 0.00	38.59 1.34 0.00	37.38 1.56 0.00	46.13 2.47 0.00	95.63 5.34 0.00	38.04 2.33 0.00	37.48 2.41 0.00	36.70 2.38 0.00	37.93 2.36 0.00	39.54 2.25 0.00	41.57 2.25 0.00	47.43 2.49 0.00	53.60 3.03 0.00	39.15 2.36 0.00	49.52 2.82 0.00	46.88 2.81 0.00	53.98 3.30 0.00	46.54 2.65 0.00	42.27 2.22 0.00	50.38 2.02 0.00	51.51 1.65 0.00



DANSKAMMER___4 23591	38.16 1.46 0.00	38.42 1.30 0.00	40.50 1.21 0.00	36.64 1.24 0.00	38.59 1.34 0.00	37.38 1.56 0.00	46.13 2.47 0.00	95.63 5.34 0.00	38.04 2.33 0.00	37.48 2.41 0.00	36.70 2.38 0.00	37.93 2.36 0.00	39.54 2.25 0.00	41.57 2.25 0.00	47.43 2.49 0.00	53.60 3.03 0.00	39.15 2.36 0.00	49.52 2.82 0.00	46.88 2.81 0.00	53.98 3.30 0.00	46.54 2.65 0.00	42.27 2.22 0.00	50.38 2.02 0.00	51.51 1.65 0.00
DANSKAMMER___DIESEL 23592	38.16 1.46 0.00	38.42 1.30 0.00	40.50 1.21 0.00	36.64 1.24 0.00	38.60 1.34 0.00	37.38 1.56 0.00	46.14 2.48 0.00	95.63 5.35 0.00	38.04 2.33 0.00	37.48 2.41 0.00	36.69 2.37 0.00	37.93 2.37 0.00	39.54 2.25 0.00	41.57 2.25 0.00	47.43 2.49 0.00	53.60 3.03 0.00	39.15 2.36 0.00	49.52 2.82 0.00	46.88 2.81 0.00	53.99 3.31 0.00	46.54 2.65 0.00	42.27 2.21 0.00	50.37 2.02 0.00	51.51 1.64 0.00
DARBY___SOLAR 323810	38.52 1.83 0.00	38.91 1.79 0.00	41.30 2.01 0.00	37.38 1.97 0.00	39.08 1.82 0.00	37.81 1.99 0.00	46.58 2.92 0.00	96.41 6.13 0.00	38.10 2.39 0.00	37.32 2.25 0.00	36.40 2.08 0.00	37.46 1.90 0.00	39.01 1.72 0.00	41.21 1.90 0.00	47.28 2.34 0.00	53.33 2.76 0.00	38.79 2.00 0.00	49.17 2.47 0.00	46.66 2.59 0.00	53.78 3.10 0.00	46.40 2.51 0.00	42.14 2.09 0.00	50.50 2.14 0.00	51.59 1.72 0.00
DASHVILLE___HYD 23610	37.86 1.17 0.00	38.13 1.02 0.00	40.24 0.95 0.00	36.43 1.02 0.00	38.33 1.07 0.00	37.10 1.28 0.00	45.77 2.11 0.00	94.88 4.60 0.00	37.72 2.01 0.00	37.18 2.12 0.00	36.42 2.09 0.00	37.63 2.07 0.00	39.20 1.91 0.00	41.19 1.88 0.00	47.01 2.07 0.00	53.14 2.57 0.00	38.82 2.04 0.00	49.12 2.42 0.00	46.49 2.42 0.00	53.51 2.83 0.00	46.15 2.26 0.00	41.92 1.86 0.00	49.98 1.62 0.00	51.12 1.26 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	38.53 0.97 -0.87	37.89 0.78 0.00	39.58 0.29 0.00	35.57 0.17 0.00	37.77 0.52 0.00	35.26 0.62 1.18	58.10 2.21 -12.23	90.68 2.44 2.04	36.10 1.23 0.84	37.17 1.24 -0.87	54.89 1.29 -19.28	56.54 1.76 -19.21	54.49 2.50 -14.70	45.27 2.95 -3.01	49.89 3.20 -1.76	73.67 4.64 -18.45	45.89 2.99 -6.12	56.46 3.40 -6.36	93.04 3.99 -44.99	105.76 5.18 -49.90	59.97 3.40 -12.68	65.51 3.00 -22.46	89.71 3.61 -37.74	68.69 2.97 -15.85
DELAWARE___LFGE 323621	37.40 0.71 0.00	37.75 0.63 0.00	39.92 0.63 0.00	36.03 0.63 0.00	37.88 0.63 0.00	36.60 0.78 0.00	44.91 1.25 0.00	93.07 2.79 0.00	36.79 1.08 0.00	36.15 1.08 0.00	35.36 1.04 0.00	36.57 1.01 0.00	38.32 1.03 0.00	40.35 1.04 0.00	46.13 1.19 0.00	51.94 1.37 0.00	37.78 0.99 0.00	47.95 1.25 0.00	45.38 1.31 0.00	52.20 1.52 0.00	45.17 1.28 0.00	41.15 1.10 0.00	49.35 1.00 0.00	50.71 0.85 0.00
DERFIELD_115KV_TB7 355931	36.70 0.01 0.00	37.10 -0.02 0.00	39.26 -0.03 0.00	35.42 0.02 0.00	37.26 0.01 0.00	35.88 0.06 0.00	43.85 0.19 0.00	90.73 0.45 0.00	35.88 0.17 0.00	35.21 0.14 0.00	34.43 0.10 0.00	35.63 0.07 0.00	37.30 0.01 0.00	39.31 0.00 0.00	44.92 -0.01 0.00	50.64 0.07 0.00	36.90 0.11 0.00	46.83 0.13 0.00	44.24 0.17 0.00	50.84 0.15 0.00	43.98 0.09 0.00	40.09 0.03 0.00	48.32 -0.04 0.00	49.76 -0.10 0.00
DOGLEVILLE___HYD 23807	36.53 -0.16 0.00	36.63 -0.49 0.00	38.65 -0.64 0.00	35.05 -0.35 0.00	36.73 -0.52 0.00	36.07 0.25 0.00	44.74 1.08 0.00	92.60 2.31 0.00	36.49 0.78 0.00	35.61 0.54 0.00	34.63 0.30 0.00	35.42 -0.15 0.00	36.27 -1.02 0.00	38.68 -0.64 0.00	44.57 -0.37 0.00	49.98 -0.59 0.00	36.56 -0.23 0.00	46.10 -0.60 0.00	44.19 0.12 0.00	51.07 0.39 0.00	43.99 0.10 0.00	39.82 -0.23 0.00	46.98 -1.38 0.00	48.03 -1.83 0.00
DUNKIRK___115KV_TB_200 55889	35.25 -1.44 0.00	35.76 -1.35 0.00	37.74 -1.55 0.00	33.59 -1.81 0.00	35.67 -1.59 0.00	34.51 -1.31 0.00	41.75 -1.90 0.00	86.58 -3.71 0.00	33.99 -1.72 0.00	32.35 -1.70 1.02	31.64 -1.67 1.02	32.76 -1.68 1.13	36.25 -1.04 0.00	38.26 -1.05 0.00	43.60 -0.92 0.42	48.19 -1.66 0.72	34.67 -1.97 0.15	42.74 -2.32 1.64	38.41 -2.11 3.55	48.05 -2.11 0.52	42.11 -1.78 0.00	39.13 -0.92 0.00	47.46 -0.89 0.00	50.12 0.25 0.00
DUNKIRK___1 23563	35.25 -1.44 0.00	35.76 -1.35 0.00	37.74 -1.55 0.00	33.59 -1.81 0.00	35.67 -1.59 0.00	34.51 -1.31 0.00	41.75 -1.90 0.00	86.58 -3.71 0.00	33.99 -1.72 0.00	32.35 -1.70 1.02	31.64 -1.67 1.02	32.76 -1.68 1.13	36.25 -1.04 0.00	38.26 -1.05 0.00	43.60 -0.92 0.42	48.19 -1.66 0.72	34.67 -1.97 0.15	42.74 -2.32 1.64	38.41 -2.11 3.55	48.05 -2.11 0.52	42.11 -1.78 0.00	39.13 -0.92 0.00	47.46 -0.89 0.00	50.12 0.25 0.00
DUNKIRK___2 23564	35.25 -1.44 0.00	35.76 -1.35 0.00	37.74 -1.55 0.00	33.59 -1.81 0.00	35.67 -1.59 0.00	34.51 -1.31 0.00	41.75 -1.90 0.00	86.58 -3.71 0.00	33.99 -1.72 0.00	32.35 -1.70 1.02	31.64 -1.67 1.02	32.76 -1.68 1.13	36.25 -1.04 0.00	38.26 -1.05 0.00	43.60 -0.92 0.42	48.19 -1.66 0.72	34.67 -1.97 0.15	42.74 -2.32 1.64	38.41 -2.11 3.55	48.05 -2.11 0.52	42.11 -1.78 0.00	39.13 -0.92 0.00	47.46 -0.89 0.00	50.12 0.25 0.00
DUNKIRK___3 23565	35.30 -1.39 0.00	35.80 -1.31 0.00	37.80 -1.49 0.00	33.70 -1.71 0.00	35.75 -1.51 0.00	34.55 -1.26 0.00	41.78 -1.88 0.00	86.60 -3.69 0.00	34.00 -1.71 0.00	32.19 -1.71 1.17	31.49 -1.67 1.17	32.60 -1.67 1.29	36.25 -1.04 0.00	38.29 -1.03 0.00	43.52 -0.94 0.49	48.04 -1.71 0.82	34.66 -1.95 0.17	42.53 -2.29 1.88	37.87 -2.12 4.08	47.92 -2.16 0.60	42.09 -1.80 0.00	39.06 -0.99 0.00	47.40 -0.95 0.00	49.86 0.00 0.00
DUNKIRK___4 23566	35.30 -1.39 0.00	35.80 -1.31 0.00	37.80 -1.49 0.00	33.70 -1.71 0.00	35.75 -1.51 0.00	34.55 -1.26 0.00	41.78 -1.88 0.00	86.60 -3.69 0.00	34.00 -1.71 0.00	32.19 -1.71 1.17	31.49 -1.67 1.17	32.60 -1.67 1.29	36.25 -1.04 0.00	38.29 -1.03 0.00	43.52 -0.94 0.49	48.04 -1.71 0.82	34.66 -1.95 0.17	42.53 -2.29 1.88	37.87 -2.12 4.08	47.92 -2.16 0.60	42.09 -1.80 0.00	39.06 -0.99 0.00	47.40 -0.95 0.00	49.86 0.00 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	38.12 1.42 0.00	38.36 1.25 0.00	40.39 1.10 0.00	36.59 1.18 0.00	38.51 1.26 0.00	37.32 1.50 0.00	46.09 2.43 0.00	95.49 5.21 0.00	38.02 2.31 0.00	37.49 2.42 0.00	36.73 2.41 0.00	38.00 2.43 0.00	39.67 2.38 0.00	41.75 2.44 0.00	47.62 2.68 0.00	53.84 3.27 0.00	39.26 2.47 0.00	49.59 2.89 0.00	46.90 2.84 0.00	54.00 3.31 0.00	46.52 2.63 0.00	42.25 2.20 0.00	50.31 1.96 0.00	51.47 1.61 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	37.87 1.18 0.00	38.14 1.03 0.00	40.20 0.91 0.00	36.38 0.97 0.00	38.31 1.05 0.00	37.08 1.26 0.00	45.73 2.07 0.00	94.82 4.53 0.00	37.71 2.00 0.00	37.15 2.08 0.00	36.37 2.04 0.00	37.59 2.03 0.00	39.20 1.90 0.00	41.22 1.91 0.00	47.03 2.09 0.00	53.15 2.58 0.00	38.80 2.02 0.00	49.08 2.38 0.00	46.46 2.39 0.00	53.54 2.86 0.00	46.15 2.26 0.00	41.93 1.88 0.00	50.00 1.65 0.00	51.15 1.28 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	38.12 1.43 0.00	38.29 1.23 0.05	40.30 1.09 0.08	36.55 1.14 0.00	38.46 1.21 0.00	37.27 1.45 0.00	46.13 2.47 0.00	95.54 5.25 0.00	38.13 2.42 0.00	37.62 2.55 0.00	36.84 2.52 0.00	38.10 2.54 0.00	39.76 2.47 0.00	41.86 2.55 0.00	47.69 2.76 0.00	53.96 3.39 0.00	39.32 2.54 0.00	49.65 2.95 0.00	47.11 3.05 0.00	54.16 3.48 0.00	46.69 2.80 0.00	42.31 2.25 0.00	50.35 1.99 0.00	51.42 1.56 0.00
E179THST_13_KV_LOAD 356214	38.28 1.59 0.00	38.44 1.38 0.05	40.45 1.24 0.08	36.68 1.27 0.00	38.60 1.34 0.00	37.40 1.58 0.00	46.31 2.65 0.00	95.99 5.70 0.00	38.29 2.59 0.00	37.78 2.71 0.00	37.00 2.68 0.00	38.27 2.71 0.00	39.93 2.64 0.00	42.05 2.74 0.00	47.91 2.97 0.00	54.19 3.62 0.00	39.50 2.71 0.00	49.87 3.17 0.00	47.34 3.27 0.00	54.42 3.73 0.00	46.91 3.02 0.00	42.51 2.45 0.00	50.59 2.23 0.00	51.64 1.78 0.00
EAST HAMPTON___GT 23717	38.15 0.59 -0.87	37.58 0.46 0.00	39.07 -0.22 0.00	34.86 -0.55 0.00	36.99 -0.27 0.00	34.51 -0.13 1.18	57.24 1.35 -12.23	88.86 0.61 2.04	35.42 0.55 0.84	36.53 0.59 -0.87	54.28 0.68 -19.28	56.28 1.50 -19.21	54.68 2.68 -14.70	45.71 3.39 -3.01	50.37 3.68 -1.76	74.20 5.17 -18.45	46.27 3.36 -6.12	56.98 3.91 -6.36	93.55 4.49 -44.99	106.33 5.74 -49.90	60.28 3.70 -12.68	65.77 3.25 -22.46	89.97 3.87 -37.75	68.94 3.23 -15.85
EAST RIVER___6 23660	38.22 1.53 0.00	38.44 1.33 0.00	40.44 1.15 0.00	36.63 1.23 0.00	38.55 1.30 0.00	37.39 1.57 0.00	46.24 2.58 0.00	95.86 5.57 0.00	38.21 2.50 0.00	37.70 2.63 0.00	36.95 2.63 0.00	38.22 2.66 0.00	39.90 2.61 0.00	42.01 2.69 0.00	47.92 2.98 0.00	54.19 3.62 0.00	39.52 2.73 0.00	49.88 3.18 0.00	47.16 3.09 0.00	54.29 3.60 0.00	46.76 2.87 0.00	42.45 2.39 0.00	50.46 2.11 0.00	51.60 1.73 0.00
EAST RIVER___7 23524	38.22 1.53 0.00	38.44 1.33 0.00	40.44 1.15 0.00	36.63 1.23 0.00	38.55 1.30 0.00	37.39 1.57 0.00	46.24 2.58 0.00	95.86 5.57 0.00	38.21 2.50 0.00	37.70 2.63 0.00	36.95 2.63 0.00	38.22 2.66 0.00	39.90 2.61 0.00	42.01 2.69 0.00	47.92 2.98 0.00	54.19 3.62 0.00	39.52 2.73 0.00	49.88 3.18 0.00	47.16 3.09 0.00	54.29 3.60 0.00	46.76 2.87 0.00	42.45 2.39 0.00	50.46 2.11 0.00	51.60 1.73 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	38.03 1.34 0.00	38.27 1.15 0.00	40.29 1.00 0.00	36.48 1.08 0.00	38.41 1.15 0.00	37.21 1.39 0.00	45.97 2.31 0.00	95.30 5.02 0.00	37.93 2.22 0.00	37.39 2.32 0.00	36.63 2.30 0.00	37.88 2.32 0.00	39.54 2.25 0.00	41.63 2.32 0.00	47.48 2.54 0.00	53.68 3.11 0.00	39.14 2.35 0.00	49.45 2.75 0.00	46.78 2.71 0.00	53.87 3.19 0.00	46.40 2.51 0.00	42.15 2.10 0.00	50.20 1.84 0.00	51.36 1.49 0.00
EAST_HAMPTON___DIESEL 23722	38.08 0.52 -0.87	37.50 0.39 0.00	38.97 -0.32 0.00	34.74 -0.66 0.00	36.85 -0.40 0.00	34.39 -0.25 1.18	57.09 1.20 -12.23	88.57 0.33 2.04	35.29 0.42 0.84	36.41 0.47 -0.87	54.17 0.56 -19.28	56.20 1.43 -19.21	54.65 2.66 -14.70	45.72 3.40 -3.01	50.39 3.70 -1.76	74.21 5.19 -18.45	46.28 3.38 -6.12	56.99 3.93 -6.36	93.56 4.50 -44.99	106.34 5.76 -49.90	60.26 3.68 -12.68	65.76 3.24 -22.46	89.97 3.87 -37.75	68.92 3.20 -15.85
EAST_POINT___SOLAR 323840	39.01 2.32 0.00	39.41 2.29 0.00	41.68 2.39 0.00	37.56 2.16 0.00	39.60 2.35 0.00	38.21 2.39 0.00	46.93 3.27 0.00	97.69 7.41 0.00	38.42 2.71 0.00	36.93 1.86 0.00	35.69 1.37 0.00	36.59 1.03 0.00	38.17 0.88 0.00	40.45 1.14 0.00	46.73 1.79 0.00	52.12 1.55 0.00	38.01 1.22 0.00	48.29 1.59 0.00	46.54 2.47 0.00	54.06 3.38 0.00	46.79 2.90 0.00	42.57 2.51 0.00	51.28 2.92 0.00	52.79 2.92 0.00
EAST_PULASKI___ESR 323781	35.89 -0.80 0.00	36.30 -0.81 0.00	38.42 -0.87 0.00	34.64 -0.76 0.00	36.61 -0.65 0.00	35.34 -0.47 0.00	42.88 -0.78 0.00	88.58 -1.70 0.00	34.82 -0.89 0.00	33.97 -1.11 0.00	33.20 -1.12 0.00	34.41 -1.16 0.00	35.83 -1.46 0.00	37.93 -1.38 0.00	43.35 -1.59 0.00	48.87 -1.70 0.00	35.60 -1.19 0.00	45.20 -1.50 0.00	42.79 -1.27 0.00	49.39 -1.29 0.00	42.88 -1.01 0.00	39.12 -0.94 0.00	47.48 -0.87 0.00	49.13 -0.74 0.00
EAST_RIVER___1 323558	38.18 1.49 0.00	38.40 1.29 0.00	40.40 1.11 0.00	36.60 1.19 0.00	38.52 1.26 0.00	37.35 1.53 0.00	46.18 2.52 0.00	95.76 5.47 0.00	38.16 2.45 0.00	37.64 2.57 0.00	36.90 2.57 0.00	38.15 2.59 0.00	39.83 2.54 0.00	41.94 2.63 0.00	47.84 2.90 0.00	54.09 3.53 0.00	39.44 2.66 0.00	49.80 3.10 0.00	47.10 3.03 0.00	54.20 3.52 0.00	46.70 2.80 0.00	42.39 2.33 0.00	50.40 2.04 0.00	51.53 1.67 0.00
EAST_RIVER___2 323559	38.22 1.53 0.00	38.44 1.33 0.00	40.44 1.15 0.00	36.63 1.23 0.00	38.55 1.30 0.00	37.39 1.57 0.00	46.24 2.58 0.00	95.86 5.57 0.00	38.21 2.50 0.00	37.70 2.63 0.00	36.95 2.63 0.00	38.22 2.66 0.00	39.90 2.61 0.00	42.01 2.69 0.00	47.92 2.98 0.00	54.19 3.62 0.00	39.52 2.73 0.00	49.88 3.18 0.00	47.16 3.09 0.00	54.29 3.60 0.00	46.76 2.87 0.00	42.45 2.39 0.00	50.46 2.11 0.00	51.60 1.73 0.00
EAST___DELAWARE_HYD 23607	38.67 1.97 0.00	38.95 1.83 0.00	41.11 1.82 0.00	37.16 1.75 0.00	39.14 1.88 0.00	37.90 2.08 0.00	46.75 3.09 0.00	96.86 6.57 0.00	38.50 2.79 0.00	37.91 2.84 0.00	37.11 2.78 0.00	38.32 2.75 0.00	39.84 2.55 0.00	41.74 2.43 0.00	47.71 2.78 0.00	53.86 3.29 0.00	39.41 2.63 0.00	50.01 3.32 0.00	47.35 3.28 0.00	54.52 3.84 0.00	47.00 3.10 0.00	42.67 2.62 0.00	50.91 2.56 0.00	52.06 2.20 0.00
EIGHT_POINT___WT_PWR 323820	33.19 -3.51 0.00	34.06 -3.06 0.00	35.77 -3.52 0.00	32.11 -3.30 0.00	34.41 -2.84 0.00	32.96 -2.85 0.00	39.82 -3.84 0.00	81.83 -8.45 0.00	32.13 -3.58 0.00	44.85 -3.47 -13.26	43.96 -3.59 -13.23	46.34 -3.88 -14.65	33.51 -3.78 0.00	35.37 -3.94 0.00	45.85 -4.60 -5.51	54.83 -5.08 -9.34	34.73 -3.99 -1.93	63.45 -4.59 -21.34	86.33 -3.90 -46.16	53.40 -4.10 -6.82	41.02 -2.87 0.00	37.03 -3.03 0.00	45.24 -3.12 0.00	47.86 -2.00 0.00
ELBRIDGE_115KV_TB2 80188	36.51 -0.18 0.00	36.91 -0.20 0.00	39.04 -0.25 0.00	35.15 -0.25 0.00	37.00 -0.25 0.00	35.64 -0.17 0.00	43.46 -0.20 0.00	89.84 -0.45 0.00	35.33 -0.38 0.00	34.63 -0.44 0.00	33.84 -0.48 0.00	35.06 -0.50 0.00	36.82 -0.47 0.00	38.84 -0.47 0.00	44.41 -0.53 0.00	50.00 -0.57 0.00	36.27 -0.52 0.00	46.16 -0.54 0.00	43.66 -0.41 0.00	50.23 -0.46 0.00	43.56 -0.33 0.00	39.80 -0.26 0.00	48.00 -0.36 0.00	49.55 -0.31 0.00
ELEC_TRO_TEK 24086	45.80 1.56 -7.54	38.46 1.34 0.00	40.48 1.18 -0.01	36.64 1.23 -0.01	38.67 1.40 -0.01	42.57 1.64 -5.11	69.91 2.65 -23.60	95.60 4.83 -0.49	40.78 2.36 -2.71	80.44 2.50 -42.87	112.67 2.48 -75.87	96.64 2.53 -58.55	88.85 2.48 -49.08	49.42 2.61 -7.50	63.13 2.92 -15.27	87.63 3.37 -33.70	50.42 2.59 -11.05	61.20 2.99 -11.51	155.09 2.99 -108.03	154.19 3.55 -99.97	97.06 2.78 -50.38	103.65 2.39 -61.20	123.68 2.24 -73.09	95.87 1.96 -44.04



ELLENBURG_WT_PWR 323604	36.05 -0.64 0.00	37.10 -0.01 0.00	39.37 0.08 0.00	35.05 -0.35 0.00	37.26 0.00 0.00	-6.36 -1.11 41.07	-18.51 -1.66 60.51	-3.36 -3.55 90.10	24.97 -1.00 9.74	34.33 -0.74 0.00	33.59 -0.74 0.00	34.97 -0.60 0.00	36.82 -0.48 0.00	39.00 -0.31 0.00	44.70 -0.24 0.00	49.70 -0.87 0.00	36.04 -0.75 0.00	45.56 -1.14 0.00	42.82 -1.24 0.00	49.36 -1.33 0.00	43.00 -0.89 0.00	39.41 -0.64 0.00	48.14 -0.22 0.00	49.67 -0.20 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	35.42 -1.28 0.00	35.93 -1.18 0.00	38.10 -1.19 0.00	34.11 -1.30 0.00	36.04 -1.21 0.00	34.72 -1.10 0.00	41.73 -1.93 0.00	85.94 -4.34 0.00	33.80 -1.91 0.00	31.25 -2.00 1.82	30.68 -1.82 1.82	31.78 -1.77 2.01	36.06 -1.23 0.00	38.23 -1.09 0.00	43.09 -1.09 0.76	47.22 -2.07 1.28	34.41 -2.11 0.27	41.32 -2.45 2.93	35.28 -2.45 6.34	46.99 -2.76 0.93	41.74 -2.15 0.00	38.64 -1.41 0.00	46.97 -1.39 0.00	48.99 -0.88 0.00
EMPIRE_CC_1 323656	37.29 0.60 0.00	37.61 0.50 0.00	39.71 0.42 0.00	36.04 0.63 0.00	37.83 0.57 0.00	36.58 0.76 0.00	44.86 1.20 0.00	93.35 3.07 0.00	36.73 1.02 0.00	36.08 1.01 0.00	35.26 0.93 0.00	36.44 0.87 0.00	38.02 0.73 0.00	40.02 0.71 0.00	45.77 0.84 0.00	51.68 1.11 0.00	37.75 0.96 0.00	48.12 1.42 0.00	45.27 1.20 0.00	51.82 1.14 0.00	44.71 0.82 0.00	40.64 0.58 0.00	48.62 0.27 0.00	49.72 -0.14 0.00
EMPIRE_CC_2 323658	37.29 0.60 0.00	37.61 0.50 0.00	39.71 0.42 0.00	36.04 0.63 0.00	37.83 0.57 0.00	36.58 0.76 0.00	44.86 1.20 0.00	93.35 3.07 0.00	36.73 1.02 0.00	36.08 1.01 0.00	35.26 0.93 0.00	36.44 0.87 0.00	38.02 0.73 0.00	40.02 0.71 0.00	45.77 0.84 0.00	51.68 1.11 0.00	37.75 0.96 0.00	48.12 1.42 0.00	45.27 1.20 0.00	51.82 1.14 0.00	44.71 0.82 0.00	40.64 0.58 0.00	48.62 0.27 0.00	49.72 -0.14 0.00
ENORWICH_115KV_TB1 80156	36.82 0.13 0.00	37.25 0.14 0.00	39.24 -0.05 0.00	35.32 -0.08 0.00	37.21 -0.04 0.00	36.04 0.23 0.00	44.57 0.91 0.00	93.05 2.76 0.00	36.45 0.74 0.00	36.41 0.55 -0.80	35.53 0.42 -0.79	36.75 0.31 -0.88	37.93 0.64 0.00	40.55 1.24 0.00	46.77 1.50 -0.33	52.43 1.30 -0.56	37.51 0.61 -0.12	49.11 1.13 -1.28	48.75 1.92 -2.77	52.80 1.71 -0.41	45.59 1.70 0.00	41.93 1.87 0.00	49.85 1.49 0.00	50.70 0.84 0.00
ERIE_ST_34_KV_TB1-2 80199	35.77 -0.93 0.00	36.26 -0.85 0.00	38.40 -0.89 0.00	34.38 -1.02 0.00	36.34 -0.92 0.00	35.03 -0.79 0.00	42.23 -1.43 0.00	87.18 -3.11 0.00	34.27 -1.44 0.00	32.06 -1.55 1.46	31.45 -1.42 1.46	32.58 -1.38 1.61	36.52 -0.77 0.00	38.69 -0.63 0.00	43.66 -0.67 0.61	47.96 -1.58 1.03	34.82 -1.75 0.21	42.33 -2.02 2.34	36.97 -2.03 5.08	47.82 -2.12 0.75	42.30 -1.59 0.00	39.13 -0.92 0.00	47.49 -0.87 0.00	49.43 -0.44 0.00
ERIE_WT_PWR 323693	35.57 -1.13 0.00	36.09 -1.03 0.00	38.26 -1.03 0.00	34.25 -1.15 0.00	36.22 -1.04 0.00	34.91 -0.91 0.00	41.97 -1.69 0.00	86.47 -3.82 0.00	34.02 -1.69 0.00	31.69 -1.78 1.60	31.09 -1.64 1.59	32.21 -1.59 1.76	36.25 -1.04 0.00	38.42 -0.89 0.00	43.39 -0.89 0.66	47.61 -1.84 1.12	34.63 -1.92 0.23	41.91 -2.22 2.57	36.36 -2.15 5.55	47.38 -2.48 0.82	42.00 -1.89 0.00	38.86 -1.19 0.00	47.23 -1.13 0.00	49.30 -0.57 0.00
ESPRGFLD_115KV_TB1 80157	38.16 1.47 0.00	38.58 1.46 0.00	40.81 1.52 0.00	36.73 1.33 0.00	38.72 1.47 0.00	37.30 1.48 0.00	45.73 2.07 0.00	95.01 4.72 0.00	37.39 1.68 0.00	36.52 1.45 0.00	35.67 1.35 0.00	36.85 1.29 0.00	38.67 1.38 0.00	40.78 1.47 0.00	46.76 1.83 0.00	52.33 1.76 0.00	38.01 1.23 0.00	48.37 1.67 0.00	45.98 1.91 0.00	52.90 2.22 0.00	45.87 1.98 0.00	41.83 1.78 0.00	50.44 2.08 0.00	52.05 2.19 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	37.01 0.31 0.00	37.39 0.28 0.00	39.51 0.22 0.00	35.57 0.17 0.00	37.49 0.23 0.00	36.15 0.33 0.00	44.26 0.60 0.00	91.73 1.44 0.00	36.06 0.35 0.00	36.53 0.25 -1.21	35.62 0.08 -1.21	37.01 0.11 -1.34	37.55 0.26 0.00	39.67 0.36 0.00	45.76 0.31 -0.50	51.68 0.25 -0.86	37.01 0.05 -0.18	48.88 0.23 -1.95	48.84 0.54 -4.23	51.96 0.66 -0.62	44.54 0.65 0.00	40.67 0.62 0.00	48.88 0.52 0.00	50.34 0.48 0.00
ETNA____115KV_TB2 80207	37.01 0.31 0.00	37.39 0.28 0.00	39.51 0.22 0.00	35.57 0.17 0.00	37.49 0.23 0.00	36.15 0.33 0.00	44.26 0.60 0.00	91.73 1.44 0.00	36.06 0.35 0.00	36.53 0.25 -1.21	35.62 0.08 -1.21	37.01 0.11 -1.34	37.55 0.26 0.00	39.67 0.36 0.00	45.76 0.31 -0.50	51.68 0.25 -0.86	37.01 0.05 -0.18	48.88 0.23 -1.95	48.84 0.54 -4.23	51.96 0.66 -0.62	44.54 0.65 0.00	40.67 0.62 0.00	48.88 0.52 0.00	50.34 0.48 0.00
EUCLID____115KV_TB2 356179	36.37 -0.33 0.00	36.75 -0.36 0.00	38.88 -0.41 0.00	35.03 -0.38 0.00	36.90 -0.36 0.00	35.54 -0.27 0.00	43.30 -0.36 0.00	89.49 -0.79 0.00	35.18 -0.54 0.00	34.48 -0.59 0.00	33.72 -0.60 0.00	34.93 -0.63 0.00	36.66 -0.63 0.00	38.68 -0.63 0.00	44.23 -0.70 0.00	49.82 -0.76 0.00	36.17 -0.62 0.00	45.98 -0.72 0.00	43.46 -0.61 0.00	49.99 -0.69 0.00	43.32 -0.57 0.00	39.55 -0.51 0.00	47.73 -0.63 0.00	49.29 -0.58 0.00
E_CANADA_CAP_HY 24051	38.47 1.78 0.00	38.90 1.79 0.00	41.16 1.87 0.00	37.07 1.66 0.00	39.09 1.84 0.00	37.62 1.80 0.00	46.09 2.43 0.00	95.80 5.52 0.00	37.67 1.96 0.00	36.59 1.52 0.00	35.59 1.27 0.00	36.74 1.18 0.00	38.36 1.06 0.00	40.52 1.21 0.00	46.69 1.75 0.00	52.08 1.51 0.00	37.92 1.13 0.00	48.25 1.55 0.00	46.02 1.95 0.00	53.07 2.38 0.00	45.99 2.10 0.00	41.90 1.84 0.00	50.66 2.30 0.00	52.31 2.45 0.00
E_CANADA_MHWK_HY 24050	36.53 -0.16 0.00	36.63 -0.49 0.00	38.65 -0.64 0.00	35.05 -0.35 0.00	36.73 -0.52 0.00	36.07 0.25 0.00	44.74 1.08 0.00	92.60 2.31 0.00	36.49 0.78 0.00	35.61 0.54 0.00	34.63 0.30 0.00	35.42 -0.15 0.00	36.27 -1.02 0.00	38.68 -0.64 0.00	44.57 -0.37 0.00	49.98 -0.59 0.00	36.56 -0.23 0.00	46.10 -0.60 0.00	44.19 0.12 0.00	51.07 0.39 0.00	43.99 0.10 0.00	39.82 -0.23 0.00	46.98 -1.38 0.00	48.03 -1.83 0.00
E_FISHKILL____LBMP 23776	37.78 1.09 0.00	38.04 0.93 0.00	40.11 0.83 0.00	36.33 0.92 0.00	38.23 0.97 0.00	37.02 1.20 0.00	45.66 2.00 0.00	94.63 4.35 0.00	37.63 1.92 0.00	37.08 2.01 0.00	36.31 1.99 0.00	37.55 1.98 0.00	39.19 1.90 0.00	41.25 1.94 0.00	47.07 2.14 0.00	53.19 2.62 0.00	38.80 2.01 0.00	49.04 2.34 0.00	46.37 2.30 0.00	53.38 2.70 0.00	46.02 2.13 0.00	41.81 1.76 0.00	49.84 1.49 0.00	50.99 1.13 0.00
FALCON____SEABRD_CC1 323796	36.42 -0.28 0.00	37.41 0.30 0.00	39.78 0.49 0.00	35.42 0.02 0.00	37.54 0.28 0.00	-6.08 -0.83 41.07	-18.23 -1.38 60.51	-2.84 -3.03 90.10	25.16 -0.81 9.74	34.69 -0.38 0.00	34.01 -0.31 0.00	35.43 -0.13 0.00	37.30 0.00 0.00	39.52 0.21 0.00	45.34 0.40 0.00	50.35 -0.22 0.00	36.49 -0.30 0.00	46.01 -0.69 0.00	43.27 -0.80 0.00	49.91 -0.77 0.00	43.53 -0.35 0.00	39.87 -0.18 0.00	48.72 0.36 0.00	50.28 0.41 0.00



FALCON___SEABRD_CC2 323797	36.42 -0.28 0.00	37.41 0.30 0.00	39.78 0.49 0.00	35.42 0.02 0.00	37.54 0.28 0.00	-6.08 -0.83 41.07	-18.23 -1.38 60.51	-2.84 -3.03 90.10	25.16 -0.81 9.74	34.69 -0.38 0.00	34.01 -0.31 0.00	35.43 -0.13 0.00	37.30 0.00 0.00	39.52 0.21 0.00	45.34 0.40 0.00	50.35 -0.22 0.00	36.49 -0.30 0.00	46.01 -0.69 0.00	43.27 -0.80 0.00	49.91 -0.77 0.00	43.53 -0.35 0.00	39.87 -0.18 0.00	48.72 0.36 0.00	50.28 0.41 0.00
FAR ROCKAWAY___4 23548	53.17 2.00 -14.47	38.92 1.78 -0.02	40.93 1.61 -0.04	37.07 1.64 -0.03	39.11 1.82 -0.03	51.68 2.04 -13.82	69.62 3.13 -22.83	99.47 5.73 -3.45	44.94 2.76 -6.47	125.80 2.90 -87.84	158.52 2.86 -121.33	123.10 2.93 -84.61	114.92 2.90 -74.73	51.95 3.06 -9.57	78.05 3.44 -29.68	86.20 3.89 -31.74	50.04 2.99 -10.25	60.95 3.56 -10.70	176.54 3.50 -128.97	155.99 3.96 -101.35	130.54 3.17 -83.47	127.26 2.72 -84.49	125.18 2.68 -74.14	114.27 2.52 -61.88
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	38.18 1.49 0.00	38.40 1.29 0.00	40.40 1.11 0.00	36.60 1.20 0.00	38.52 1.27 0.00	37.35 1.53 0.00	46.18 2.51 0.00	95.75 5.47 0.00	38.16 2.45 0.00	37.63 2.57 0.00	36.88 2.56 0.00	38.15 2.59 0.00	39.83 2.54 0.00	41.94 2.62 0.00	47.83 2.89 0.00	54.09 3.52 0.00	39.44 2.66 0.00	49.79 3.09 0.00	47.09 3.02 0.00	54.20 3.52 0.00	46.69 2.80 0.00	42.39 2.33 0.00	50.40 2.04 0.00	51.53 1.67 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	38.20 1.50 0.00	38.43 1.31 0.00	40.41 1.12 0.00	36.61 1.21 0.00	38.53 1.28 0.00	37.37 1.55 0.00	46.20 2.54 0.00	95.82 5.53 0.00	38.17 2.46 0.00	37.65 2.58 0.00	36.89 2.57 0.00	38.18 2.61 0.00	39.83 2.54 0.00	41.95 2.63 0.00	47.84 2.90 0.00	54.10 3.53 0.00	39.45 2.67 0.00	49.80 3.11 0.00	47.11 3.04 0.00	54.21 3.53 0.00	46.70 2.81 0.00	42.40 2.34 0.00	50.42 2.07 0.00	51.56 1.69 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	38.16 1.47 0.00	38.39 1.28 0.00	40.38 1.09 0.00	36.59 1.18 0.00	38.51 1.25 0.00	37.33 1.52 0.00	46.16 2.50 0.00	95.73 5.44 0.00	38.14 2.43 0.00	37.62 2.55 0.00	36.86 2.54 0.00	38.14 2.58 0.00	39.81 2.52 0.00	41.91 2.59 0.00	47.81 2.87 0.00	54.07 3.50 0.00	39.44 2.65 0.00	49.78 3.08 0.00	47.07 3.01 0.00	54.16 3.48 0.00	46.66 2.77 0.00	42.36 2.30 0.00	50.38 2.02 0.00	51.51 1.64 0.00
FARRAGUT___LBMP 323566	38.14 1.45 0.00	38.36 1.25 0.00	40.36 1.07 0.00	36.56 1.16 0.00	38.48 1.22 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.64 5.35 0.00	38.11 2.40 0.00	37.58 2.51 0.00	36.82 2.50 0.00	38.10 2.54 0.00	39.77 2.48 0.00	41.87 2.55 0.00	47.76 2.82 0.00	54.02 3.45 0.00	39.40 2.61 0.00	49.73 3.03 0.00	47.03 2.96 0.00	54.12 3.44 0.00	46.62 2.73 0.00	42.32 2.27 0.00	50.34 1.98 0.00	51.48 1.61 0.00
FENNER___WINDPWR 24204	37.04 0.35 0.00	37.42 0.31 0.00	39.55 0.27 0.00	35.63 0.22 0.00	37.53 0.27 0.00	36.20 0.38 0.00	44.35 0.69 0.00	91.72 1.43 0.00	36.22 0.51 0.00	35.37 0.30 0.00	34.58 0.25 0.00	35.76 0.20 0.00	37.58 0.28 0.00	39.61 0.30 0.00	45.24 0.31 0.00	50.82 0.26 0.00	37.11 0.32 0.00	47.14 0.44 0.00	44.68 0.61 0.00	51.30 0.62 0.00	44.44 0.55 0.00	40.47 0.42 0.00	48.80 0.44 0.00	50.31 0.45 0.00
FIBERTEK___ENERGY 23856	36.70 0.00 0.00	37.08 -0.03 0.00	39.23 -0.06 0.00	35.33 -0.07 0.00	37.21 -0.04 0.00	35.85 0.03 0.00	43.73 0.06 0.00	90.39 0.10 0.00	35.52 -0.19 0.00	34.82 -0.25 0.00	34.03 -0.29 0.00	35.25 -0.31 0.00	37.00 -0.28 0.00	39.05 -0.27 0.00	44.64 -0.30 0.00	50.29 -0.28 0.00	36.49 -0.29 0.00	46.45 -0.25 0.00	43.92 -0.15 0.00	50.52 -0.16 0.00	43.78 -0.11 0.00	39.97 -0.09 0.00	48.21 -0.15 0.00	49.77 -0.09 0.00
FITZPATRICK____ 23598	35.90 -0.79 0.00	36.30 -0.82 0.00	38.41 -0.88 0.00	34.61 -0.79 0.00	36.43 -0.82 0.00	35.05 -0.76 0.00	42.66 -1.00 0.00	88.06 -2.23 0.00	34.69 -1.03 0.00	34.02 -1.05 0.00	33.26 -1.06 0.00	34.47 -1.10 0.00	36.17 -1.12 0.00	38.16 -1.15 0.00	43.62 -1.32 0.00	49.15 -1.42 0.00	35.72 -1.06 0.00	45.38 -1.32 0.00	42.88 -1.19 0.00	49.32 -1.36 0.00	42.73 -1.16 0.00	39.02 -1.03 0.00	47.16 -1.20 0.00	48.74 -1.13 0.00
FLOWRFLD_69_KV_BK1 356044	39.01 1.36 -0.96	38.23 1.12 0.00	40.18 0.90 0.00	36.37 0.96 0.00	38.53 1.28 0.00	36.14 1.41 1.09	58.82 2.80 -12.36	92.57 4.30 2.01	37.00 2.09 0.79	38.59 2.15 -1.37	56.48 2.20 -19.96	57.53 2.29 -19.67	54.78 2.37 -15.12	44.94 2.57 -3.06	49.62 2.76 -1.93	72.85 3.66 -18.63	45.55 2.59 -6.18	56.04 2.92 -6.42	92.90 3.12 -45.71	105.01 3.97 -50.35	59.91 2.98 -13.04	65.50 2.62 -22.82	89.20 2.78 -38.07	68.36 2.38 -16.12
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	38.23 1.54 0.00	38.49 1.37 0.00	40.57 1.28 0.00	36.70 1.30 0.00	38.66 1.40 0.00	37.44 1.62 0.00	46.23 2.57 0.00	95.88 5.59 0.00	38.13 2.42 0.00	37.56 2.49 0.00	36.76 2.44 0.00	38.01 2.32 0.00	39.62 2.34 0.00	41.65 2.34 0.00	47.52 2.58 0.00	53.72 3.14 0.00	39.23 2.44 0.00	49.63 2.94 0.00	46.98 2.91 0.00	54.11 3.43 0.00	46.63 2.74 0.00	42.36 2.30 0.00	50.47 2.12 0.00	51.60 1.74 0.00
FORT ORANGE____ 23900	37.33 0.63 0.00	37.61 0.50 0.00	39.73 0.44 0.00	36.04 0.63 0.00	37.85 0.59 0.00	36.60 0.78 0.00	44.93 1.27 0.00	93.16 2.87 0.00	36.89 1.18 0.00	36.24 1.17 0.00	35.33 1.00 0.00	36.40 0.84 0.00	37.97 0.68 0.00	39.95 0.63 0.00	45.70 0.77 0.00	51.59 1.02 0.00	37.78 0.99 0.00	47.90 1.20 0.00	45.25 1.18 0.00	52.05 1.37 0.00	44.92 1.03 0.00	40.79 0.73 0.00	48.78 0.43 0.00	49.88 0.02 0.00
FORT_DRUM_COGEN 23780	35.38 -1.32 0.00	35.97 -1.15 0.00	38.11 -1.18 0.00	34.40 -1.00 0.00	36.63 -0.63 0.00	37.42 -0.25 -1.86	45.41 -0.99 -2.74	92.18 -2.19 -4.09	35.13 -1.02 -0.45	33.47 -1.60 0.00	32.66 -1.66 0.00	33.90 -1.67 0.00	34.59 -2.70 0.00	36.94 -2.37 0.00	42.00 -2.94 0.00	47.52 -3.05 0.00	34.94 -1.85 0.00	44.34 -2.36 0.00	42.14 -1.93 0.00	48.90 -1.78 0.00	42.73 -1.16 0.00	38.87 -1.18 0.00	48.03 -0.33 0.00	49.92 0.05 0.00
FOX_HILLS___ESR 323835	55.79 1.79 -17.31	59.56 1.55 -20.90	59.85 1.41 -19.15	54.27 1.42 -17.45	53.04 1.55 -14.23	54.92 1.75 -17.35	55.83 2.80 -9.37	104.41 5.92 -8.21	56.95 2.69 -18.55	56.92 2.80 -19.05	56.76 2.77 -19.67	55.25 2.82 -16.87	55.23 2.81 -15.13	55.04 2.96 -12.78	57.85 3.24 -9.68	58.65 3.80 -4.28	55.25 2.87 -15.59	59.43 3.31 -9.42	56.54 3.34 -9.13	62.18 3.73 -7.77	60.51 3.01 -13.60	59.31 2.53 -16.73	56.36 2.35 -5.66	59.40 1.97 -7.56
FPL FAR_ROCK_GT1 24212	53.18 2.01 -14.47	38.92 1.79 -0.02	40.94 1.61 -0.04	37.07 1.64 -0.03	39.11 1.82 -0.03	51.66 2.03 -13.82	69.61 3.12 -22.83	99.41 5.68 -3.45	44.93 2.75 -6.47	125.80 2.89 -87.84	158.50 2.85 -121.33	123.07 2.90 -84.61	114.90 2.87 -74.73	51.95 3.06 -9.57	78.06 3.44 -29.68	86.19 3.89 -31.74	50.03 2.98 -10.25	60.95 3.55 -10.70	176.49 3.45 -128.97	155.95 3.92 -101.35	130.53 3.16 -83.47	127.24 2.70 -84.49	125.16 2.67 -74.14	114.26 2.52 -61.88



FPL_FAR_ROCK_GT2 23815	53.18 2.01 -14.47	38.92 1.79 -0.02	40.94 1.61 -0.04	37.07 1.64 -0.03	39.11 1.82 -0.03	51.66 2.03 -13.82	69.61 3.12 -22.83	99.41 5.68 -3.45	44.93 2.75 -6.47	125.80 2.89 -87.84	158.50 2.85 -121.33	123.07 2.90 -84.61	114.90 2.87 -74.73	51.95 3.06 -9.57	78.06 3.44 -29.68	86.19 3.89 -31.74	50.03 2.98 -10.25	60.95 3.55 -10.70	176.49 3.45 -128.97	155.95 3.92 -101.35	130.53 3.16 -83.47	127.24 2.70 -84.49	125.16 2.67 -74.14	114.26 2.52 -61.88
FRANKLIN_FALL_HYD 24054	36.40 -0.29 0.00	37.38 0.27 0.00	39.66 0.37 0.00	35.38 -0.02 0.00	37.51 0.26 0.00	64.16 -0.66 -29.00	85.37 -1.03 -42.73	151.87 -2.06 -63.64	42.11 -0.49 -6.88	34.73 -0.34 0.00	33.94 -0.39 0.00	35.26 -0.30 0.00	37.18 -0.11 0.00	39.35 0.03 0.00	44.94 0.00 0.00	49.99 -0.58 0.00	36.21 -0.57 0.00	45.88 -0.82 0.00	43.18 -0.89 0.00	49.91 -0.78 0.00	43.49 -0.40 0.00	39.84 -0.21 0.00	48.59 0.23 0.00	50.11 0.25 0.00
FREEPORT_EQUS_GT1 23764	44.73 1.78 -6.27	38.65 1.53 0.00	40.64 1.34 -0.01	36.80 1.39 -0.01	38.85 1.58 -0.01	42.11 1.80 -4.50	64.52 2.88 -17.98	93.80 4.83 1.32	40.07 2.48 -1.88	70.53 2.68 -32.78	95.81 2.70 -58.79	83.75 2.76 -45.43	78.25 2.72 -38.24	48.09 2.85 -5.92	60.60 3.17 -12.48	80.11 3.58 -25.95	48.06 2.77 -8.50	58.78 3.23 -8.85	129.62 3.06 -82.49	130.55 3.71 -76.16	86.35 3.01 -39.46	90.33 2.67 -47.60	107.16 2.57 -56.23	86.58 2.31 -34.40
FREEPORT___CT2 23818	44.73 1.78 -6.27	38.65 1.53 0.00	40.64 1.34 -0.01	36.80 1.39 -0.01	38.85 1.58 -0.01	42.11 1.80 -4.50	64.52 2.88 -17.98	93.80 4.83 1.32	40.07 2.48 -1.88	70.53 2.68 -32.78	95.81 2.70 -58.79	83.75 2.76 -45.43	78.25 2.72 -38.24	48.09 2.85 -5.92	60.60 3.17 -12.48	80.11 3.58 -25.95	48.06 2.77 -8.50	58.78 3.23 -8.85	129.62 3.06 -82.49	130.55 3.71 -76.16	86.35 3.01 -39.46	90.33 2.67 -47.60	107.16 2.57 -56.23	86.58 2.31 -34.40
FRESHKLS_33_KV_LOAD 356253	55.82 1.82 -17.31	59.59 1.57 -20.90	59.87 1.44 -19.15	54.27 1.42 -17.45	53.03 1.54 -14.23	54.88 1.71 -17.35	55.76 2.73 -9.37	104.19 5.69 -8.21	56.86 2.60 -18.55	56.83 2.71 -19.05	56.66 2.67 -19.67	55.15 2.73 -16.87	55.16 2.74 -15.13	54.98 2.89 -12.78	57.79 3.17 -9.68	58.52 3.67 -4.28	55.18 2.80 -15.59	59.33 3.21 -9.42	56.47 3.28 -9.13	62.09 3.64 -7.77	60.39 2.90 -13.60	59.23 2.45 -16.73	56.28 2.27 -5.66	59.35 1.92 -7.56
FULTON COGEN____ 23766	36.21 -0.49 0.00	36.58 -0.54 0.00	38.70 -0.59 0.00	34.87 -0.54 0.00	36.74 -0.51 0.00	35.40 -0.42 0.00	43.13 -0.53 0.00	89.07 -1.22 0.00	35.02 -0.69 0.00	34.30 -0.77 0.00	33.52 -0.80 0.00	34.72 -0.84 0.00	36.42 -0.87 0.00	38.46 -0.85 0.00	43.97 -0.97 0.00	49.53 -1.04 0.00	36.00 -0.79 0.00	45.77 -0.92 0.00	43.25 -0.82 0.00	49.77 -0.92 0.00	43.14 -0.75 0.00	39.36 -0.70 0.00	47.51 -0.85 0.00	49.07 -0.80 0.00
FULTON___LFGE 323630	38.72 2.03 0.00	39.10 1.98 0.00	41.36 2.07 0.00	37.29 1.89 0.00	39.28 2.02 0.00	37.92 2.10 0.00	46.55 2.89 0.00	96.75 6.47 0.00	38.12 2.41 0.00	36.99 1.93 0.00	35.80 1.48 0.00	36.90 1.34 0.00	38.28 0.98 0.00	40.53 1.22 0.00	46.98 2.04 0.00	52.28 1.71 0.00	38.11 1.32 0.00	48.54 1.84 0.00	46.51 2.44 0.00	53.74 3.06 0.00	46.51 2.62 0.00	42.25 2.19 0.00	50.86 2.50 0.00	52.23 2.36 0.00
G.F.CEMENT___DRP 24184	39.04 2.35 0.00	39.41 2.29 0.00	41.79 2.50 0.00	37.83 2.42 0.00	39.65 2.40 0.00	38.39 2.58 0.00	47.40 3.74 0.00	98.15 7.86 0.00	38.72 3.01 0.00	37.94 2.87 0.00	37.04 2.72 0.00	38.14 2.58 0.00	39.73 2.44 0.00	41.96 2.65 0.00	48.06 3.12 0.00	54.21 3.63 0.00	39.38 2.60 0.00	49.80 3.10 0.00	47.43 3.36 0.00	54.67 3.99 0.00	47.14 3.25 0.00	42.84 2.79 0.00	51.33 2.97 0.00	52.36 2.50 0.00
GARDENVILLE___LBMP 24039	35.48 -1.21 0.00	36.00 -1.12 0.00	38.15 -1.14 0.00	34.14 -1.26 0.00	36.10 -1.15 0.00	34.78 -1.03 0.00	41.83 -1.83 0.00	86.21 -4.08 0.00	33.90 -1.81 0.00	31.47 -1.90 1.70	30.89 -1.74 1.70	31.99 -1.70 1.88	36.15 -1.14 0.00	38.33 -0.99 0.00	43.23 -1.00 0.71	47.41 -1.96 1.20	34.50 -2.03 0.25	41.60 -2.36 2.74	35.79 -2.36 5.92	47.20 -2.61 0.87	41.88 -2.02 0.00	38.77 -1.29 0.00	47.11 -1.25 0.00	49.16 -0.70 0.00
GARDNVLA_35_KV_LD 355827	35.66 -1.04 0.00	36.17 -0.94 0.00	38.35 -0.94 0.00	34.32 -1.08 0.00	36.29 -0.97 0.00	34.97 -0.85 0.00	42.05 -1.61 0.00	86.72 -3.57 0.00	34.11 -1.60 0.00	31.84 -1.69 1.54	31.26 -1.53 1.54	32.38 -1.48 1.70	36.36 -0.93 0.00	38.53 -0.78 0.00	43.56 -0.74 0.64	47.83 -1.66 1.08	34.76 -1.81 0.22	42.15 -2.07 2.48	36.61 -2.09 5.36	47.55 -2.34 0.79	42.13 -1.76 0.00	38.99 -1.07 0.00	47.36 -1.00 0.00	49.38 -0.48 0.00
GELCKHM___115KV_LOAD 80723	36.47 -0.22 0.00	36.86 -0.25 0.00	39.00 -0.29 0.00	35.13 -0.27 0.00	37.00 -0.25 0.00	35.64 -0.17 0.00	43.44 -0.22 0.00	89.77 -0.52 0.00	35.28 -0.42 0.00	34.59 -0.48 0.00	33.81 -0.51 0.00	35.03 -0.54 0.00	36.77 -0.53 0.00	38.79 -0.52 0.00	44.35 -0.58 0.00	49.97 -0.60 0.00	36.27 -0.52 0.00	46.14 -0.56 0.00	43.61 -0.46 0.00	50.16 -0.52 0.00	43.47 -0.43 0.00	39.68 -0.38 0.00	47.89 -0.46 0.00	49.45 -0.41 0.00
GENERAL___MILLS 23808	35.57 -1.13 0.00	36.09 -1.03 0.00	38.26 -1.03 0.00	34.25 -1.15 0.00	36.21 -1.05 0.00	34.89 -0.92 0.00	41.96 -1.70 0.00	86.47 -3.81 0.00	34.01 -1.71 0.00	31.67 -1.80 1.60	31.10 -1.64 1.59	32.21 -1.59 1.76	36.25 -1.04 0.00	38.42 -0.89 0.00	43.40 -0.88 0.66	47.63 -1.81 1.12	34.63 -1.93 0.23	41.91 -2.23 2.57	36.28 -2.23 5.55	47.39 -2.48 0.82	42.00 -1.89 0.00	38.87 -1.19 0.00	47.24 -1.12 0.00	49.27 -0.60 0.00
GE_PLASTICS___DRP 24183	37.25 0.56 0.00	37.55 0.43 0.00	39.68 0.39 0.00	35.95 0.54 0.00	37.75 0.50 0.00	36.49 0.68 0.00	44.79 1.12 0.00	92.79 2.51 0.00	36.75 1.04 0.00	36.12 1.05 0.00	35.27 0.95 0.00	36.44 0.88 0.00	38.04 0.75 0.00	40.04 0.73 0.00	45.79 0.85 0.00	51.68 1.11 0.00	37.77 0.99 0.00	47.86 1.16 0.00	45.21 1.14 0.00	51.94 1.26 0.00	44.84 0.95 0.00	40.75 0.69 0.00	48.78 0.42 0.00	49.94 0.07 0.00
GILBOA___1 23756	37.31 0.62 0.00	37.64 0.53 0.00	39.87 0.59 0.00	36.06 0.65 0.00	37.79 0.54 0.00	36.52 0.70 0.00	44.85 1.19 0.00	92.82 2.53 0.00	36.75 1.04 0.00	36.19 1.13 0.00	35.40 1.08 0.00	36.61 1.04 0.00	38.27 0.97 0.00	40.30 0.99 0.00	46.05 1.12 0.00	51.95 1.38 0.00	37.86 1.07 0.00	47.95 1.25 0.00	45.33 1.26 0.00	52.08 1.40 0.00	45.04 1.15 0.00	40.99 0.93 0.00	49.08 0.73 0.00	50.34 0.47 0.00
GILBOA___2 23757	37.31 0.62 0.00	37.64 0.53 0.00	39.87 0.59 0.00	36.06 0.65 0.00	37.79 0.54 0.00	36.52 0.70 0.00	44.85 1.19 0.00	92.82 2.53 0.00	36.75 1.04 0.00	36.19 1.13 0.00	35.40 1.08 0.00	36.61 1.04 0.00	38.27 0.97 0.00	40.30 0.99 0.00	46.05 1.12 0.00	51.95 1.38 0.00	37.86 1.07 0.00	47.95 1.25 0.00	45.33 1.26 0.00	52.08 1.40 0.00	45.04 1.15 0.00	40.99 0.93 0.00	49.08 0.73 0.00	50.34 0.47 0.00



GILBOA___3 23758	37.31 0.62 0.00	37.64 0.53 0.00	39.87 0.59 0.00	36.06 0.65 0.00	37.79 0.54 0.00	36.52 0.70 0.00	44.85 1.19 0.00	92.82 2.53 0.00	36.75 1.04 0.00	36.19 1.13 0.00	35.40 1.08 0.00	36.61 1.04 0.00	38.27 0.97 0.00	40.30 0.99 0.00	46.05 1.12 0.00	51.95 1.38 0.00	37.86 1.07 0.00	47.95 1.25 0.00	45.33 1.26 0.00	52.08 1.40 0.00	45.04 1.15 0.00	40.99 0.93 0.00	49.08 0.73 0.00	50.34 0.47 0.00
GILBOA___4 23759	37.31 0.62 0.00	37.64 0.53 0.00	39.87 0.59 0.00	36.06 0.65 0.00	37.79 0.54 0.00	36.52 0.70 0.00	44.85 1.19 0.00	92.82 2.53 0.00	36.75 1.04 0.00	36.19 1.13 0.00	35.40 1.08 0.00	36.61 1.04 0.00	38.27 0.97 0.00	40.30 0.99 0.00	46.05 1.12 0.00	51.95 1.38 0.00	37.86 1.07 0.00	47.95 1.25 0.00	45.33 1.26 0.00	52.08 1.40 0.00	45.04 1.15 0.00	40.99 0.93 0.00	49.08 0.73 0.00	50.34 0.47 0.00
GILBOA___ 23599	37.31 0.61 0.00	37.64 0.53 0.00	39.88 0.59 0.00	36.06 0.65 0.00	37.79 0.54 0.00	36.52 0.70 0.00	44.85 1.19 0.00	92.82 2.53 0.00	36.75 1.04 0.00	36.20 1.13 0.00	35.39 1.07 0.00	36.61 1.05 0.00	38.27 0.97 0.00	40.29 0.98 0.00	46.05 1.12 0.00	51.95 1.38 0.00	37.86 1.08 0.00	47.96 1.26 0.00	45.34 1.27 0.00	52.08 1.39 0.00	45.04 1.15 0.00	40.98 0.92 0.00	49.08 0.73 0.00	50.34 0.48 0.00
GINNA___ 23603	34.72 -1.98 0.00	35.12 -1.99 0.00	37.19 -2.10 0.00	33.44 -1.96 0.00	35.26 -1.99 0.00	33.99 -1.83 0.00	41.30 -2.36 0.00	85.24 -5.05 0.00	33.45 -2.26 0.00	32.23 -2.27 0.57	31.54 -2.22 0.57	32.67 -2.27 0.63	35.16 -2.13 0.00	37.17 -2.14 0.00	42.28 -2.42 0.24	47.02 -3.15 0.40	34.07 -2.63 0.08	42.81 -2.97 0.91	39.38 -2.71 1.98	47.27 -3.13 0.29	41.30 -2.59 0.00	37.86 -2.20 0.00	45.75 -2.61 0.00	47.32 -2.55 0.00
GLEN PARK___ 23778	35.51 -1.18 0.00	36.08 -1.04 0.00	38.22 -1.07 0.00	34.50 -0.90 0.00	36.73 -0.53 0.00	37.44 -0.14 -1.76	45.46 -0.80 -2.60	92.41 -1.75 -3.88	35.23 -0.90 -0.42	33.56 -1.51 0.00	32.73 -1.60 0.00	33.98 -1.58 0.00	34.53 -2.77 0.00	37.01 -2.30 0.00	42.04 -2.90 0.00	47.41 -3.16 0.00	34.84 -1.95 0.00	44.20 -2.50 0.00	42.12 -1.95 0.00	49.07 -1.62 0.00	42.91 -0.98 0.00	39.03 -1.02 0.00	48.15 -0.21 0.00	50.01 0.15 0.00
GLENDALE_27_KV_LOAD 356172	38.39 1.70 0.00	38.55 1.48 0.05	40.55 1.33 0.07	36.79 1.39 0.00	38.73 1.48 0.00	37.54 1.73 0.00	46.47 2.81 0.00	96.31 6.02 0.00	38.45 2.74 0.00	37.94 2.87 0.00	37.19 2.86 0.00	38.46 2.90 0.00	40.15 2.86 0.00	42.28 2.97 0.00	48.17 3.23 0.00	54.46 3.89 0.00	39.70 2.91 0.00	50.09 3.39 0.00	47.43 3.36 0.00	54.53 3.85 0.00	46.98 3.09 0.00	42.62 2.56 0.00	50.68 2.32 0.00	51.84 1.98 0.00
GLENWOOD_IC_1_G1 23712	43.55 1.67 -5.18	38.59 1.46 0.00	40.59 1.30 -0.01	36.75 1.34 -0.01	38.75 1.49 -0.01	39.90 1.74 -2.35	69.27 2.77 -22.84	95.42 5.45 0.32	39.81 2.53 -1.57	65.68 2.66 -27.95	96.13 2.65 -59.15	86.51 2.69 -48.25	79.23 2.65 -39.29	48.63 2.75 -6.57	58.36 3.07 -10.36	86.95 3.59 -32.79	50.31 2.72 -10.80	61.14 3.20 -11.24	144.63 3.16 -97.40	149.82 3.73 -95.41	85.15 2.96 -38.30	94.14 2.53 -51.55	120.30 2.38 -69.57	88.77 2.07 -36.84
GLENWOOD_IC_2_G1 23688	38.33 1.50 -0.14	38.41 1.29 0.00	40.42 1.13 0.00	36.60 1.20 0.00	38.57 1.31 0.00	37.37 1.56 0.00	47.15 2.53 -0.97	95.36 5.07 0.00	38.11 2.35 -0.04	38.33 2.47 -0.78	38.84 2.47 -2.06	39.81 2.48 -1.77	41.12 2.43 -1.40	42.09 2.52 -0.25	48.01 2.80 -0.28	55.29 3.34 -1.38	39.77 2.53 -0.46	50.13 2.95 -0.48	50.90 2.92 -3.91	58.12 3.43 -4.00	47.89 2.72 -1.28	44.28 2.30 -1.93	53.35 2.10 -2.90	53.00 1.78 -1.36
GLENWOOD_IC_3_G1 23689	38.33 1.50 -0.14	38.41 1.29 0.00	40.42 1.13 0.00	36.60 1.20 0.00	38.57 1.31 0.00	37.37 1.56 0.00	47.15 2.53 -0.97	95.36 5.07 0.00	38.11 2.35 -0.04	38.33 2.47 -0.78	38.84 2.47 -2.06	39.81 2.48 -1.77	41.12 2.43 -1.40	42.09 2.52 -0.25	48.01 2.80 -0.28	55.29 3.34 -1.38	39.77 2.53 -0.46	50.13 2.95 -0.48	50.90 2.92 -3.91	58.12 3.43 -4.00	47.89 2.72 -1.28	44.28 2.30 -1.93	53.35 2.10 -2.90	53.00 1.78 -1.36
GLENWOOD___4 23550	43.55 1.67 -5.18	38.59 1.46 0.00	40.59 1.30 -0.01	36.75 1.34 -0.01	38.75 1.49 -0.01	39.90 1.74 -2.35	69.27 2.77 -22.84	95.42 5.45 0.32	39.81 2.53 -1.57	65.68 2.66 -27.95	96.13 2.65 -59.15	86.51 2.69 -48.25	79.23 2.65 -39.29	48.63 2.75 -6.57	58.36 3.07 -10.36	86.95 3.59 -32.79	50.31 2.72 -10.80	61.14 3.20 -11.24	144.63 3.16 -97.40	149.82 3.73 -95.41	85.15 2.96 -38.30	94.14 2.53 -51.55	120.30 2.38 -69.57	88.77 2.07 -36.84
GLENWOOD___5 23614	43.55 1.67 -5.18	38.59 1.46 0.00	40.59 1.30 -0.01	36.75 1.34 -0.01	38.75 1.49 -0.01	39.90 1.74 -2.35	69.27 2.77 -22.84	95.42 5.45 0.32	39.81 2.53 -1.57	65.68 2.66 -27.95	96.13 2.65 -59.15	86.51 2.69 -48.25	79.23 2.65 -39.29	48.63 2.75 -6.57	58.36 3.07 -10.36	86.95 3.59 -32.79	50.31 2.72 -10.80	61.14 3.20 -11.24	144.63 3.16 -97.40	149.82 3.73 -95.41	85.15 2.96 -38.30	94.14 2.53 -51.55	120.30 2.38 -69.57	88.77 2.07 -36.84
GLOBAL GREEN_PORT_GT1 23814	38.47 0.91 -0.87	37.86 0.74 0.00	39.46 0.17 0.00	35.34 -0.06 0.00	37.52 0.27 0.00	35.02 0.39 1.17	57.85 1.96 -12.23	90.18 1.94 2.04	35.92 1.05 0.84	37.02 1.09 -0.87	54.76 1.15 -19.28	56.56 1.79 -19.21	54.72 2.72 -14.71	45.61 3.29 -3.01	50.26 3.56 -1.76	74.05 5.02 -18.45	46.18 3.27 -6.12	56.84 3.78 -6.36	93.42 4.36 -44.99	106.18 5.59 -49.90	60.26 3.69 -12.69	65.77 3.25 -22.46	89.97 3.87 -37.75	68.95 3.23 -15.86
GLOBE___DSASP 323697	34.60 -2.10 0.00	35.13 -1.99 0.00	37.29 -2.00 0.00	33.42 -1.99 0.00	35.29 -1.97 0.00	33.92 -1.90 0.00	40.60 -3.06 0.00	83.46 -6.83 0.00	32.83 -2.88 0.00	29.86 -3.01 2.20	29.47 -2.66 2.20	30.51 -2.62 2.43	35.25 -2.04 0.00	37.42 -1.90 0.00	42.05 -1.97 0.91	45.68 -3.34 1.55	33.40 -3.07 0.32	39.52 -3.64 3.54	32.75 -3.66 7.66	45.35 -4.21 1.13	40.53 -3.36 0.00	37.54 -2.52 0.00	45.70 -2.66 0.00	47.63 -2.23 0.00
GOETHSLN___LBMP 323567	37.97 1.27 0.00	38.19 1.08 0.00	40.18 0.89 0.00	36.39 0.99 0.00	38.30 1.05 0.00	37.13 1.31 0.00	45.90 2.24 0.00	95.20 4.91 0.00	37.92 2.21 0.00	37.39 2.33 0.00	36.65 2.33 0.00	37.90 2.34 0.00	39.55 2.26 0.00	41.65 2.34 0.00	47.52 2.58 0.00	53.74 3.17 0.00	39.20 2.42 0.00	49.48 2.78 0.00	46.82 2.75 0.00	53.90 3.21 0.00	46.40 2.51 0.00	42.11 2.05 0.00	50.08 1.72 0.00	51.22 1.35 0.00
GOLAH___69_KV_TB 1_2 80279	36.43 -0.26 0.00	36.85 -0.27 0.00	38.98 -0.31 0.00	34.99 -0.41 0.00	36.96 -0.30 0.00	35.64 -0.17 0.00	43.26 -0.40 0.00	89.05 -1.23 0.00	34.91 -0.80 0.00	33.10 -0.89 1.08	32.39 -0.85 1.08	33.47 -0.90 1.19	36.79 -0.50 0.00	38.91 -0.40 0.00	44.08 -0.41 0.45	48.64 -1.17 0.76	35.41 -1.21 0.16	43.72 -1.25 1.73	39.20 -1.12 3.75	49.04 -1.09 0.55	43.17 -0.72 0.00	39.66 -0.40 0.00	47.99 -0.36 0.00	49.69 -0.17 0.00



GOODYEAR_LAKE_HYD 323669	37.81 1.12 0.00	38.17 1.06 0.00	40.38 1.09 0.00	36.39 0.99 0.00	38.31 1.05 0.00	36.98 1.17 0.00	45.41 1.75 0.00	94.23 3.94 0.00	37.19 1.48 0.00	36.48 1.41 0.00	35.69 1.37 0.00	36.88 1.32 0.00	38.71 1.42 0.00	40.75 1.44 0.00	46.59 1.66 0.00	52.38 1.81 0.00	38.06 1.28 0.00	48.37 1.67 0.00	45.86 1.79 0.00	52.73 2.04 0.00	45.66 1.77 0.00	41.61 1.55 0.00	49.94 1.58 0.00	51.34 1.47 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	36.55 -0.15 0.00	36.94 -0.17 0.00	39.02 -0.27 0.00	35.11 -0.29 0.00	37.04 -0.21 0.00	35.76 -0.06 0.00	43.76 0.10 0.00	90.79 0.50 0.00	35.76 0.05 0.00	35.73 0.04 -0.62	34.91 -0.04 -0.62	36.21 -0.04 -0.69	37.46 0.17 0.00	39.45 0.14 0.00	45.44 0.24 -0.26	51.18 0.17 -0.44	36.79 -0.08 -0.09	47.71 0.00 -1.00	46.37 0.13 -2.17	51.22 0.21 -0.32	44.10 0.21 0.00	40.32 0.26 0.00	48.46 0.11 0.00	50.03 0.16 0.00
GOUDEY___7 23579	36.55 -0.15 0.00	36.94 -0.17 0.00	39.02 -0.27 0.00	35.11 -0.29 0.00	37.04 -0.21 0.00	35.76 -0.06 0.00	43.76 0.10 0.00	90.79 0.50 0.00	35.76 0.05 0.00	35.73 0.04 -0.62	34.91 -0.04 -0.62	36.21 -0.04 -0.69	37.46 0.17 0.00	39.45 0.14 0.00	45.44 0.24 -0.26	51.18 0.17 -0.44	36.79 -0.08 -0.09	47.71 0.00 -1.00	46.37 0.13 -2.17	51.22 0.21 -0.32	44.10 0.21 0.00	40.32 0.26 0.00	48.46 0.11 0.00	50.03 0.16 0.00
GOUDEY___8 23580	36.55 -0.15 0.00	36.94 -0.17 0.00	39.02 -0.27 0.00	35.11 -0.29 0.00	37.04 -0.21 0.00	35.76 -0.06 0.00	43.76 0.10 0.00	90.79 0.50 0.00	35.76 0.05 0.00	35.73 0.04 -0.62	34.91 -0.04 -0.62	36.21 -0.04 -0.69	37.46 0.17 0.00	39.45 0.14 0.00	45.44 0.24 -0.26	51.18 0.17 -0.44	36.79 -0.08 -0.09	47.71 0.00 -1.00	46.37 0.13 -2.17	51.22 0.21 -0.32	44.10 0.21 0.00	40.32 0.26 0.00	48.46 0.11 0.00	50.03 0.16 0.00
GOWANUS_GT1_1 24077	55.80 1.80 -17.31	59.60 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.14 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.66 3.47 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.42 2.64 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT1_2 24078	55.80 1.80 -17.31	59.60 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.14 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.66 3.47 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.42 2.64 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT1_3 24079	55.80 1.80 -17.31	59.60 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.14 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.66 3.47 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.42 2.64 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT1_4 24080	55.80 1.80 -17.31	59.60 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.14 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.66 3.47 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.42 2.64 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT1_5 24084	55.80 1.80 -17.31	59.60 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.14 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.66 3.47 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.42 2.64 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT1_6 24111	55.80 1.80 -17.31	59.60 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.14 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.66 3.47 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.42 2.64 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT1_7 24112	55.80 1.80 -17.31	59.60 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.14 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.66 3.47 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.42 2.64 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT1_8 24113	55.80 1.80 -17.31	59.60 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.14 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.66 3.47 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.42 2.64 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT2_1 24114	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT2_2 24115	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT2_3 24116	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56



GOWANUS_GT2_4 24117	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT2_5 24118	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT2_6 24119	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT2_7 24120	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT2_8 24121	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT3_1 24122	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.83 3.97 -4.28	55.36 2.98 -15.59	59.57 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.64 -16.73	56.46 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT3_2 24123	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.83 3.97 -4.28	55.36 2.98 -15.59	59.57 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.64 -16.73	56.46 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT3_3 24124	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.83 3.97 -4.28	55.36 2.98 -15.59	59.57 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.64 -16.73	56.46 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT3_4 24125	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.83 3.97 -4.28	55.36 2.98 -15.59	59.57 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.64 -16.73	56.46 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT3_5 24126	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.83 3.97 -4.28	55.36 2.98 -15.59	59.57 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.64 -16.73	56.46 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT3_6 24127	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.83 3.97 -4.28	55.36 2.98 -15.59	59.57 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.64 -16.73	56.46 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT3_7 24128	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.83 3.97 -4.28	55.36 2.98 -15.59	59.57 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.64 -16.73	56.46 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT3_8 24129	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.83 3.97 -4.28	55.36 2.98 -15.59	59.57 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.64 -16.73	56.46 2.45 -5.66	59.52 2.09 -7.56
GOWANUS_GT4_1 24130	55.81 1.81 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
GOWANUS_GT4_2 24131	55.81 1.81 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56



GOWANUS_GT4_3 24132	55.81 1.81 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
GOWANUS_GT4_4 24133	55.81 1.81 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
GOWANUS_GT4_5 24134	55.81 1.81 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
GOWANUS_GT4_6 24135	55.81 1.81 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
GOWANUS_GT4_7 24136	55.81 1.81 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
GOWANUS_GT4_8 24137	55.81 1.81 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
GREENBSH_115KV_TB3 55895	37.13 0.43 0.00	37.42 0.31 0.00	39.51 0.21 0.00	35.84 0.43 0.00	37.64 0.39 0.00	36.39 0.57 0.00	44.65 0.99 0.00	92.54 2.25 0.00	36.64 0.93 0.00	36.02 0.95 0.00	35.17 0.85 0.00	36.32 0.75 0.00	37.89 0.60 0.00	39.86 0.55 0.00	45.60 0.66 0.00	51.47 0.90 0.00	37.66 0.87 0.00	47.70 1.00 0.00	45.05 0.98 0.00	51.74 1.05 0.00	44.64 0.74 0.00	40.55 0.49 0.00	48.50 0.14 0.00	49.62 -0.24 0.00
GREENIDGE_115KV_TB5 80291	36.15 -0.55 0.00	36.56 -0.55 0.00	38.62 -0.67 0.00	34.70 -0.71 0.00	36.73 -0.52 0.00	35.41 -0.40 0.00	43.20 -0.46 0.00	89.16 -1.13 0.00	35.08 -0.63 0.00	39.94 -0.76 -5.63	39.08 -0.86 -5.62	40.95 -0.83 -6.22	36.66 -0.63 0.00	38.61 -0.70 0.00	46.46 -0.82 -2.34	53.33 -1.21 -3.96	36.50 -1.10 -0.82	54.61 -1.15 -9.06	62.62 -1.05 -19.60	52.84 -0.73 -2.89	43.49 -0.40 0.00	39.73 -0.32 0.00	47.88 -0.47 0.00	49.64 -0.23 0.00
GREENIDGE___3 23582	36.15 -0.55 0.00	36.56 -0.55 0.00	38.62 -0.67 0.00	34.70 -0.71 0.00	36.73 -0.52 0.00	35.41 -0.40 0.00	43.20 -0.46 0.00	89.16 -1.13 0.00	35.08 -0.63 0.00	39.94 -0.76 -5.63	39.08 -0.86 -5.62	40.95 -0.83 -6.22	36.66 -0.63 0.00	38.61 -0.70 0.00	46.46 -0.82 -2.34	53.33 -1.21 -3.96	36.50 -1.10 -0.82	54.61 -1.15 -9.06	62.62 -1.05 -19.60	52.84 -0.73 -2.89	43.49 -0.40 0.00	39.73 -0.32 0.00	47.88 -0.47 0.00	49.64 -0.23 0.00
GREENIDGE___4 23583	36.15 -0.55 0.00	36.56 -0.55 0.00	38.62 -0.67 0.00	34.70 -0.71 0.00	36.73 -0.53 0.00	35.41 -0.40 0.00	43.20 -0.46 0.00	89.16 -1.13 0.00	35.09 -0.63 0.00	39.95 -0.75 -5.63	39.08 -0.86 -5.62	40.96 -0.83 -6.22	36.66 -0.64 0.00	38.61 -0.70 0.00	46.46 -0.82 -2.34	53.33 -1.20 -3.96	36.51 -1.10 -0.82	54.61 -1.15 -9.06	62.64 -1.04 -19.60	52.84 -0.74 -2.89	43.49 -0.40 0.00	39.74 -0.32 0.00	47.89 -0.47 0.00	49.64 -0.23 0.00
GREENLWN_69_KV_BK 3 55738	39.40 1.51 -1.20	38.42 1.31 0.00	40.43 1.14 0.00	36.60 1.19 0.00	38.67 1.42 0.00	36.57 1.61 0.86	59.10 2.71 -12.74	92.98 4.64 1.95	37.31 2.29 0.69	40.18 2.38 -2.74	58.57 2.40 -21.85	59.06 2.49 -21.01	56.03 2.46 -16.27	45.12 2.59 -3.22	50.20 2.85 -2.41	73.06 3.34 -19.15	45.70 2.57 -6.34	56.21 2.92 -6.60	94.83 2.98 -47.79	106.16 3.63 -51.84	60.83 2.78 -14.17	66.46 2.42 -23.99	89.85 2.34 -39.15	68.94 2.11 -16.97
GREENWD_138_KV_38B11_REV_LBMP_J 345004	55.81 1.81 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56
GRISSOM___SOLAR 323813	38.66 1.97 0.00	39.04 1.93 0.00	41.28 2.00 0.00	37.24 1.84 0.00	39.21 1.95 0.00	37.86 2.04 0.00	46.53 2.87 0.00	96.66 6.37 0.00	38.11 2.40 0.00	36.99 1.92 0.00	35.76 1.44 0.00	36.85 1.28 0.00	38.12 0.82 0.00	40.42 1.11 0.00	46.92 1.98 0.00	52.21 1.64 0.00	38.06 1.28 0.00	48.46 1.76 0.00	46.48 2.41 0.00	53.74 3.06 0.00	46.48 2.59 0.00	42.17 2.12 0.00	50.74 2.38 0.00	51.99 2.12 0.00
GROVEVILLE___HYD 323602	38.23 1.54 0.00	38.49 1.37 0.00	40.57 1.28 0.00	36.70 1.30 0.00	38.66 1.40 0.00	37.44 1.62 0.00	46.23 2.57 0.00	95.88 5.59 0.00	38.13 2.42 0.00	37.56 2.49 0.00	36.76 2.44 0.00	38.01 2.44 0.00	39.62 2.32 0.00	41.65 2.34 0.00	47.52 2.58 0.00	53.72 3.14 0.00	39.23 2.44 0.00	49.63 2.94 0.00	46.98 2.91 0.00	54.11 3.43 0.00	46.63 2.74 0.00	42.36 2.30 0.00	50.47 2.12 0.00	51.60 1.74 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	36.70 0.00 0.00	37.08 -0.03 0.00	39.23 -0.06 0.00	35.33 -0.07 0.00	37.21 -0.04 0.00	35.85 0.03 0.00	43.73 0.06 0.00	90.39 0.10 0.00	35.52 -0.19 0.00	34.82 -0.25 0.00	34.03 -0.29 0.00	35.25 -0.31 0.00	37.00 -0.28 0.00	39.05 -0.27 0.00	44.64 -0.30 0.00	50.29 -0.28 0.00	36.49 -0.29 0.00	46.45 -0.25 0.00	43.92 -0.15 0.00	50.52 -0.16 0.00	43.78 -0.11 0.00	39.97 -0.09 0.00	48.21 -0.15 0.00	49.77 -0.09 0.00



HAMLTNNY_34_KV_TB 80303	36.73 0.04 0.00	37.14 0.02 0.00	39.28 -0.01 0.00	35.37 -0.04 0.00	37.24 -0.01 0.00	35.87 0.05 0.00	43.78 0.12 0.00	90.48 0.19 0.00	35.56 -0.15 0.00	34.84 -0.23 0.00	34.03 -0.29 0.00	35.27 -0.30 0.00	37.03 -0.26 0.00	39.04 -0.27 0.00	44.66 -0.28 0.00	50.32 -0.25 0.00	36.43 -0.35 0.00	46.46 -0.24 0.00	43.94 -0.13 0.00	50.56 -0.12 0.00	43.86 -0.03 0.00	40.06 0.01 0.00	48.31 -0.05 0.00	49.85 -0.01 0.00
HAMPSHIRE___PAPER_HYD 323593	35.35 -1.35 0.00	36.01 -1.10 0.00	38.16 -1.13 0.00	34.31 -1.10 0.00	36.29 -0.96 0.00	39.51 -0.92 -4.61	48.86 -1.59 -6.79	97.10 -3.32 -10.13	35.57 -1.24 -1.10	33.51 -1.56 0.00	32.79 -1.54 0.00	34.07 -1.49 0.00	35.37 -1.92 0.00	37.43 -1.88 0.00	42.63 -2.30 0.00	48.23 -2.34 0.00	35.34 -1.45 0.00	44.90 -1.80 0.00	42.32 -1.75 0.00	48.66 -2.02 0.00	42.38 -1.51 0.00	38.67 -1.38 0.00	47.47 -0.88 0.00	49.26 -0.60 0.00
HARDSCRABBLE_WT_PWR 323673	36.56 -0.13 0.00	36.69 -0.42 0.00	38.73 -0.56 0.00	35.09 -0.32 0.00	36.80 -0.46 0.00	36.02 0.20 0.00	44.59 0.93 0.00	92.39 2.11 0.00	36.36 0.65 0.00	35.51 0.44 0.00	34.62 0.30 0.00	35.46 -0.10 0.00	36.38 -0.91 0.00	38.74 -0.57 0.00	44.57 -0.37 0.00	49.99 -0.58 0.00	36.55 -0.23 0.00	46.05 -0.65 0.00	44.02 -0.05 0.00	50.79 0.11 0.00	43.79 -0.10 0.00	39.67 -0.39 0.00	46.99 -1.37 0.00	48.15 -1.72 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	37.91 1.22 0.00	38.17 1.06 0.00	40.24 0.95 0.00	36.38 0.97 0.00	38.32 1.06 0.00	37.10 1.28 0.00	45.77 2.11 0.00	94.85 4.56 0.00	37.75 2.04 0.00	37.20 2.13 0.00	36.42 2.10 0.00	37.64 2.08 0.00	39.27 1.98 0.00	41.30 1.98 0.00	47.16 2.22 0.00	53.31 2.74 0.00	38.90 2.12 0.00	49.21 2.51 0.00	46.58 2.51 0.00	53.68 2.99 0.00	46.22 2.33 0.00	41.99 1.94 0.00	50.08 1.72 0.00	51.25 1.38 0.00
HARSNRAD_115KV_TB1 81005	35.12 -1.58 0.00	35.65 -1.47 0.00	37.81 -1.48 0.00	33.88 -1.52 0.00	35.86 -1.40 0.00	34.47 -1.34 0.00	41.31 -2.35 0.00	84.72 -5.57 0.00	33.22 -2.49 0.00	29.67 -2.59 2.82	29.09 -2.42 2.81	30.06 -2.40 3.11	35.46 -1.83 0.00	37.59 -1.72 0.00	41.91 -1.85 1.17	45.50 -3.09 1.98	33.63 -2.75 0.41	38.90 -3.27 4.54	31.05 -3.21 9.81	45.64 -3.59 1.45	41.06 -2.83 0.00	38.02 -2.03 0.00	46.38 -1.98 0.00	48.36 -1.51 0.00
HARZA MOOSE___RIVER 24016	36.23 -0.47 0.00	36.83 -0.28 0.00	38.93 -0.36 0.00	35.10 -0.31 0.00	37.08 -0.18 0.00	37.21 0.08 -1.32	45.37 -0.23 -1.94	92.69 -0.51 -2.92	35.81 -0.24 -0.33	34.41 -0.66 0.00	33.67 -0.65 0.00	34.82 -0.75 0.00	36.21 -1.08 0.00	38.16 -1.15 0.00	43.58 -1.36 0.00	49.83 -0.74 0.00	36.65 -0.14 0.00	46.59 -0.11 0.00	43.96 -0.11 0.00	50.18 -0.50 0.00	43.55 -0.34 0.00	39.70 -0.36 0.00	48.51 0.15 0.00	50.27 0.41 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	36.50 -0.19 0.00	36.88 -0.23 0.00	39.01 -0.28 0.00	35.14 -0.27 0.00	37.02 -0.24 0.00	35.68 -0.14 0.00	43.50 -0.16 0.00	89.93 -0.36 0.00	35.34 -0.38 0.00	34.64 -0.43 0.00	33.88 -0.44 0.00	35.10 -0.46 0.00	36.86 -0.44 0.00	38.89 -0.43 0.00	44.46 -0.48 0.00	50.04 -0.53 0.00	36.33 -0.46 0.00	46.19 -0.50 0.00	43.67 -0.40 0.00	50.23 -0.45 0.00	43.52 -0.37 0.00	39.73 -0.32 0.00	47.92 -0.43 0.00	49.49 -0.38 0.00
HELLGATE_13_KV_LD 55870	38.23 1.54 0.00	38.41 1.34 0.05	40.39 1.18 0.08	36.66 1.26 0.00	38.59 1.33 0.00	37.39 1.58 0.00	46.25 2.59 0.00	95.85 5.56 0.00	38.27 2.56 0.00	37.75 2.69 0.00	37.00 2.68 0.00	38.27 2.71 0.00	39.94 2.65 0.00	42.06 2.75 0.00	47.91 2.98 0.00	54.19 3.62 0.00	39.49 2.70 0.00	49.81 3.11 0.00	47.19 3.12 0.00	54.23 3.55 0.00	46.73 2.84 0.00	42.39 2.33 0.00	50.42 2.07 0.00	51.59 1.73 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	38.23 1.54 0.00	38.41 1.34 0.05	40.39 1.18 0.08	36.66 1.26 0.00	38.59 1.33 0.00	37.39 1.58 0.00	46.25 2.59 0.00	95.85 5.56 0.00	38.27 2.56 0.00	37.75 2.69 0.00	37.00 2.68 0.00	38.27 2.71 0.00	39.94 2.65 0.00	42.06 2.75 0.00	47.91 2.98 0.00	54.19 3.62 0.00	39.49 2.70 0.00	49.81 3.11 0.00	47.19 3.12 0.00	54.23 3.55 0.00	46.73 2.84 0.00	42.39 2.33 0.00	50.42 2.07 0.00	51.59 1.73 0.00
HEMPSTEAD____ 23647	43.63 1.58 -5.35	38.49 1.37 0.00	40.48 1.18 -0.01	36.65 1.24 -0.01	38.68 1.42 -0.01	40.53 1.64 -3.07	66.14 2.69 -19.79	94.54 4.84 0.59	39.66 2.38 -1.56	65.31 2.55 -27.70	92.09 2.57 -55.20	82.39 2.61 -44.22	76.27 2.57 -36.41	47.97 2.67 -5.98	58.48 2.97 -10.57	82.47 3.43 -28.47	48.77 2.62 -9.36	59.49 3.05 -9.74	133.36 3.01 -86.28	137.31 3.60 -83.02	82.92 2.84 -36.19	89.45 2.46 -46.94	111.45 2.33 -60.76	85.59 2.04 -33.69
HEWLETT_69_KV_BK3 55828	53.01 1.85 -14.47	38.76 1.63 -0.02	40.78 1.45 -0.04	36.93 1.50 -0.03	38.96 1.67 -0.03	51.52 1.89 -13.82	69.42 2.93 -22.83	99.02 5.28 -3.45	44.78 2.60 -6.47	125.64 2.73 -87.84	158.35 2.69 -121.33	122.93 2.75 -84.61	114.74 2.71 -74.73	51.77 2.88 -9.57	77.85 3.23 -29.68	85.96 3.65 -31.74	49.86 2.82 -10.25	60.74 3.34 -10.70	176.32 3.29 -128.97	155.83 3.80 -101.35	130.39 3.03 -83.47	127.12 2.58 -84.49	124.98 2.49 -74.14	114.06 2.32 -61.88
HICKLING___1 23621	35.72 -0.98 0.00	36.17 -0.94 0.00	38.14 -1.15 0.00	34.24 -1.16 0.00	36.35 -0.90 0.00	35.07 -0.74 0.00	42.85 -0.81 0.00	88.87 -1.42 0.00	34.92 -0.79 0.00	36.26 -0.83 -2.01	35.39 -0.94 -2.01	36.84 -0.95 -2.22	36.68 -0.61 0.00	38.61 -0.70 0.00	45.06 -0.72 -0.84	50.99 -1.00 -1.42	35.93 -1.15 -0.29	48.80 -1.14 -3.24	50.19 -0.88 -7.01	50.86 -0.86 -1.03	43.31 -0.58 0.00	39.62 -0.44 0.00	47.76 -0.60 0.00	49.63 -0.23 0.00
HICKLING___2 23622	35.72 -0.98 0.00	36.17 -0.94 0.00	38.14 -1.15 0.00	34.24 -1.16 0.00	36.35 -0.90 0.00	35.07 -0.74 0.00	42.85 -0.81 0.00	88.87 -1.42 0.00	34.92 -0.79 0.00	36.26 -0.83 -2.01	35.39 -0.94 -2.01	36.84 -0.95 -2.22	36.68 -0.61 0.00	38.61 -0.70 0.00	45.06 -0.72 -0.84	50.99 -1.00 -1.42	35.93 -1.15 -0.29	48.80 -1.14 -3.24	50.19 -0.88 -7.01	50.86 -0.86 -1.03	43.31 -0.58 0.00	39.62 -0.44 0.00	47.76 -0.60 0.00	49.63 -0.23 0.00
HIGH FALLS___HY 23754	38.38 1.69 0.00	38.64 1.53 0.00	40.75 1.46 0.00	36.85 1.45 0.00	38.81 1.56 0.00	37.59 1.77 0.00	46.42 2.77 0.00	96.33 6.04 0.00	38.32 2.61 0.00	37.77 2.70 0.00	36.99 2.67 0.00	38.22 2.66 0.00	39.68 2.39 0.00	41.56 2.25 0.00	47.44 2.51 0.00	53.61 3.04 0.00	39.28 2.49 0.00	49.77 3.07 0.00	47.15 3.08 0.00	54.35 3.67 0.00	46.86 2.97 0.00	42.55 2.50 0.00	50.70 2.35 0.00	51.84 1.97 0.00
HIGH_RIVER___SOLAR 323847	37.98 1.29 0.00	38.35 1.23 0.00	40.56 1.27 0.00	36.62 1.22 0.00	38.52 1.27 0.00	37.20 1.39 0.00	45.69 2.03 0.00	94.71 4.42 0.00	37.41 1.71 0.00	36.38 1.32 0.00	35.26 0.93 0.00	36.44 0.88 0.00	37.85 0.56 0.00	40.01 0.70 0.00	46.31 1.37 0.00	51.81 1.24 0.00	37.75 0.96 0.00	48.05 1.35 0.00	45.86 1.80 0.00	52.89 2.21 0.00	45.72 1.83 0.00	41.62 1.56 0.00	49.99 1.63 0.00	51.34 1.48 0.00



HILLBURN___GT 23639	37.83 1.13 0.00	38.07 0.95 0.00	40.08 0.79 0.00	36.24 0.84 0.00	38.18 0.92 0.00	36.99 1.17 0.00	45.66 2.00 0.00	94.63 4.34 0.00	37.67 1.96 0.00	37.13 2.06 0.00	36.37 2.05 0.00	37.57 2.00 0.00	39.22 1.93 0.00	41.32 2.01 0.00	47.15 2.21 0.00	53.28 2.71 0.00	38.85 2.07 0.00	49.10 2.40 0.00	46.47 2.40 0.00	53.54 2.86 0.00	46.09 2.20 0.00	41.88 1.82 0.00	49.92 1.56 0.00	51.09 1.23 0.00
HILLSIDE_115KV_TB1 80332	35.65 -1.05 0.00	36.06 -1.05 0.00	38.02 -1.27 0.00	34.12 -1.29 0.00	36.17 -1.09 0.00	34.94 -0.87 0.00	42.76 -0.90 0.00	88.85 -1.43 0.00	34.94 -0.77 0.00	36.13 -0.76 -1.82	35.26 -0.88 -1.82	36.70 -0.88 -2.01	36.78 -0.51 0.00	38.66 -0.65 0.00	45.11 -0.58 -0.76	51.02 -0.83 -1.28	36.01 -1.04 -0.27	48.54 -1.09 -2.93	49.52 -0.89 -6.34	50.73 -0.89 -0.93	43.21 -0.68 0.00	39.57 -0.48 0.00	47.61 -0.75 0.00	49.36 -0.50 0.00
HISHELDN_WT_PWR 323625	33.80 -2.90 0.00	34.38 -2.73 0.00	36.39 -2.91 0.00	32.65 -2.75 0.00	34.99 -2.27 0.00	33.48 -2.33 0.00	40.10 -3.56 0.00	82.37 -7.91 0.00	32.37 -3.34 0.00	18.76 -3.39 12.92	18.08 -3.35 12.89	17.76 -3.52 14.28	34.10 -3.19 0.00	36.06 -3.26 0.00	35.90 -3.66 5.37	36.76 -4.72 9.10	31.11 -3.79 1.89	21.40 -4.50 20.80	-4.97 -4.06 44.99	39.46 -4.58 6.64	40.27 -3.63 0.00	37.10 -2.95 0.00	45.49 -2.87 0.00	47.93 -1.94 0.00
HOLTSVILLE_IC_1 23690	38.71 1.17 -0.84	38.06 0.95 0.00	40.00 0.72 0.00	36.21 0.81 0.00	38.35 1.09 0.00	35.83 1.22 1.20	58.39 2.54 -12.19	91.87 3.64 2.05	36.71 1.84 0.85	37.70 1.92 -0.71	55.35 1.96 -19.07	56.68 2.05 -19.06	54.01 2.14 -14.58	44.63 2.32 -2.99	49.13 2.50 -1.70	72.33 3.36 -18.40	45.26 2.37 -6.10	55.66 2.62 -6.35	91.74 2.90 -44.77	104.14 3.70 -49.75	59.13 2.68 -12.56	64.78 2.39 -22.34	88.52 2.52 -37.64	67.78 2.15 -15.76
HOLTSVILLE_IC_10 23699	38.99 1.32 -0.97	38.19 1.08 0.00	40.13 0.84 0.00	36.32 0.91 0.00	38.49 1.24 0.00	36.09 1.35 1.07	58.79 2.76 -12.37	92.35 4.07 2.01	36.93 2.01 0.79	38.60 2.07 -1.46	56.50 2.11 -20.06	57.52 2.21 -19.74	54.79 2.32 -15.18	44.89 2.51 -3.07	49.57 2.68 -1.96	72.83 3.62 -18.64	45.49 2.53 -6.18	55.95 2.83 -6.42	92.99 3.12 -45.80	105.08 3.99 -50.41	59.91 2.91 -13.11	65.53 2.59 -22.89	89.26 2.79 -38.11	68.40 2.37 -16.17
HOLTSVILLE_IC_2 23691	38.71 1.17 -0.84	38.06 0.95 0.00	40.00 0.72 0.00	36.21 0.81 0.00	38.35 1.09 0.00	35.83 1.22 1.20	58.39 2.54 -12.19	91.87 3.64 2.05	36.71 1.84 0.85	37.70 1.92 -0.71	55.35 1.96 -19.07	56.68 2.05 -19.06	54.01 2.14 -14.58	44.63 2.32 -2.99	49.13 2.50 -1.70	72.33 3.36 -18.40	45.26 2.37 -6.10	55.66 2.62 -6.35	91.74 2.90 -44.77	104.14 3.70 -49.75	59.13 2.68 -12.56	64.78 2.39 -22.34	88.52 2.52 -37.64	67.78 2.15 -15.76
HOLTSVILLE_IC_3 23692	38.71 1.17 -0.84	38.06 0.95 0.00	40.00 0.72 0.00	36.21 0.81 0.00	38.35 1.09 0.00	35.83 1.22 1.20	58.39 2.54 -12.19	91.87 3.64 2.05	36.71 1.84 0.85	37.70 1.92 -0.71	55.35 1.96 -19.07	56.68 2.05 -19.06	54.01 2.14 -14.58	44.63 2.32 -2.99	49.13 2.50 -1.70	72.33 3.36 -18.40	45.26 2.37 -6.10	55.66 2.62 -6.35	91.74 2.90 -44.77	104.14 3.70 -49.75	59.13 2.68 -12.56	64.78 2.39 -22.34	88.52 2.52 -37.64	67.78 2.15 -15.76
HOLTSVILLE_IC_4 23693	38.71 1.17 -0.84	38.06 0.95 0.00	40.00 0.72 0.00	36.21 0.81 0.00	38.35 1.09 0.00	35.83 1.22 1.20	58.39 2.54 -12.19	91.87 3.64 2.05	36.71 1.84 0.85	37.70 1.92 -0.71	55.35 1.96 -19.07	56.68 2.05 -19.06	54.01 2.14 -14.58	44.63 2.32 -2.99	49.13 2.50 -1.70	72.33 3.36 -18.40	45.26 2.37 -6.10	55.66 2.62 -6.35	91.74 2.90 -44.77	104.14 3.70 -49.75	59.13 2.68 -12.56	64.78 2.39 -22.34	88.52 2.52 -37.64	67.78 2.15 -15.76
HOLTSVILLE_IC_5 23694	38.71 1.17 -0.84	38.06 0.95 0.00	40.00 0.72 0.00	36.21 0.81 0.00	38.35 1.09 0.00	35.83 1.22 1.20	58.39 2.54 -12.19	91.87 3.64 2.05	36.71 1.84 0.85	37.70 1.92 -0.71	55.35 1.96 -19.07	56.68 2.05 -19.06	54.01 2.14 -14.58	44.63 2.32 -2.99	49.13 2.50 -1.70	72.33 3.36 -18.40	45.26 2.37 -6.10	55.66 2.62 -6.35	91.74 2.90 -44.77	104.14 3.70 -49.75	59.13 2.68 -12.56	64.78 2.39 -22.34	88.52 2.52 -37.64	67.78 2.15 -15.76
HOLTSVILLE_IC_6 23695	38.99 1.32 -0.97	38.19 1.08 0.00	40.13 0.84 0.00	36.32 0.91 0.00	38.49 1.24 0.00	36.09 1.35 1.07	58.79 2.76 -12.37	92.35 4.07 2.01	36.93 2.01 0.79	38.60 2.07 -1.46	56.50 2.11 -20.06	57.52 2.21 -19.74	54.79 2.32 -15.18	44.89 2.51 -3.07	49.57 2.68 -1.96	72.83 3.62 -18.64	45.49 2.53 -6.18	55.95 2.83 -6.42	92.99 3.12 -45.80	105.08 3.99 -50.41	59.91 2.91 -13.11	65.53 2.59 -22.89	89.26 2.79 -38.11	68.40 2.37 -16.17
HOLTSVILLE_IC_7 23696	38.99 1.32 -0.97	38.19 1.08 0.00	40.13 0.84 0.00	36.32 0.91 0.00	38.49 1.24 0.00	36.09 1.35 1.07	58.79 2.76 -12.37	92.35 4.07 2.01	36.93 2.01 0.79	38.60 2.07 -1.46	56.50 2.11 -20.06	57.52 2.21 -19.74	54.79 2.32 -15.18	44.89 2.51 -3.07	49.57 2.68 -1.96	72.83 3.62 -18.64	45.49 2.53 -6.18	55.95 2.83 -6.42	92.99 3.12 -45.80	105.08 3.99 -50.41	59.91 2.91 -13.11	65.53 2.59 -22.89	89.26 2.79 -38.11	68.40 2.37 -16.17
HOLTSVILLE_IC_8 23697	38.99 1.32 -0.97	38.19 1.08 0.00	40.13 0.84 0.00	36.32 0.91 0.00	38.49 1.24 0.00	36.09 1.35 1.07	58.79 2.76 -12.37	92.35 4.07 2.01	36.93 2.01 0.79	38.60 2.07 -1.46	56.50 2.11 -20.06	57.52 2.21 -19.74	54.79 2.32 -15.18	44.89 2.51 -3.07	49.57 2.68 -1.96	72.83 3.62 -18.64	45.49 2.53 -6.18	55.95 2.83 -6.42	92.99 3.12 -45.80	105.08 3.99 -50.41	59.91 2.91 -13.11	65.53 2.59 -22.89	89.26 2.79 -38.11	68.40 2.37 -16.17
HOLTSVILLE_IC_9 23698	38.99 1.32 -0.97	38.19 1.08 0.00	40.13 0.84 0.00	36.32 0.91 0.00	38.49 1.24 0.00	36.09 1.35 1.07	58.79 2.76 -12.37	92.35 4.07 2.01	36.93 2.01 0.79	38.60 2.07 -1.46	56.50 2.11 -20.06	57.52 2.21 -19.74	54.79 2.32 -15.18	44.89 2.51 -3.07	49.57 2.68 -1.96	72.83 3.62 -18.64	45.49 2.53 -6.18	55.95 2.83 -6.42	92.99 3.12 -45.80	105.08 3.99 -50.41	59.91 2.91 -13.11	65.53 2.59 -22.89	89.26 2.79 -38.11	68.40 2.37 -16.17
HOMER_HL_115KV_TB2 355744	35.79 -0.90 0.00	36.22 -0.89 0.00	38.20 -1.09 0.00	34.20 -1.21 0.00	36.15 -1.11 0.00	34.90 -0.92 0.00	42.34 -1.32 0.00	88.05 -2.24 0.00	34.55 -1.16 0.00	34.93 -1.19 -1.05	34.09 -1.28 -1.05	35.53 -1.20 -1.16	36.78 -0.51 0.00	39.14 -0.18 0.00	45.03 -0.35 -0.44	50.19 -1.12 -0.74	35.52 -1.42 -0.15	46.84 -1.56 -1.69	46.21 -1.52 -3.66	49.89 -1.33 -0.54	42.85 -1.04 0.00	39.58 -0.47 0.00	48.06 -0.30 0.00	50.10 0.24 0.00
HOWARD_WT_PWR 323690	33.18 -3.51 0.00	34.02 -3.09 0.00	35.74 -3.55 0.00	32.09 -3.32 0.00	34.37 -2.88 0.00	32.98 -2.84 0.00	39.84 -3.82 0.00	81.84 -8.45 0.00	32.15 -3.57 0.00	43.81 -3.43 -12.17	42.91 -3.56 -12.14	45.18 -3.84 -13.45	33.55 -3.74 0.00	35.43 -3.89 0.00	45.43 -4.57 -5.06	54.09 -5.05 -8.57	34.65 -3.91 -1.78	61.79 -4.50 -19.59	82.58 -3.85 -42.37	52.90 -4.03 -6.25	41.07 -2.82 0.00	37.07 -2.98 0.00	45.28 -3.07 0.00	47.91 -1.95 0.00



HQ_GEN_CEDARS 23644	37.02 0.33 0.00	37.62 0.50 0.00	39.92 0.63 0.00	35.81 0.41 0.00	37.70 0.44 0.00	38.21 0.15 -2.24	46.89 -0.08 -3.31	95.00 -0.21 -4.93	36.31 0.07 -0.53	35.13 0.06 0.00	34.47 0.15 0.00	35.87 0.31 0.00	37.68 0.39 0.00	39.78 0.47 0.00	45.38 0.44 0.00	50.81 0.24 0.00	36.91 0.13 0.00	46.89 0.19 0.00	44.07 0.00 0.00	50.78 0.09 0.00	44.11 0.21 0.00	40.36 0.30 0.00	49.15 0.80 0.00	50.87 1.01 0.00
HQ_GEN_CEDARS_PROXY 323590	37.02 0.33 0.00	37.62 0.50 0.00	39.91 0.63 0.00	35.81 0.41 0.00	37.70 0.44 0.00	37.40 0.15 -1.44	46.89 -0.08 -3.31	95.00 -0.21 -4.93	36.32 0.07 -0.53	35.13 0.06 0.00	34.47 0.15 0.00	35.87 0.31 0.00	37.68 0.39 0.00	39.78 0.47 0.00	45.38 0.44 0.00	50.81 0.24 0.00	36.92 0.13 0.00	46.89 0.19 0.00	44.07 0.00 0.00	50.78 0.09 0.00	44.11 0.22 0.00	40.36 0.30 0.00	49.15 0.80 0.00	50.87 1.00 0.00
HQ_GEN_IMPORT 323601	36.82 0.13 0.00	37.33 0.22 0.00	39.58 0.29 0.00	35.58 0.17 0.00	37.44 0.19 0.00	35.81 -0.01 0.00	43.47 -0.19 0.00	89.87 -0.41 0.00	35.67 -0.05 0.00	35.06 -0.01 0.00	34.37 0.05 0.00	35.70 0.13 0.00	37.50 0.20 0.00	39.54 0.23 0.00	45.19 0.25 0.00	50.69 0.13 0.02	36.84 0.06 0.00	46.78 0.08 0.00	44.02 -0.05 0.00	50.64 -0.05 0.00	43.92 0.03 0.00	40.14 0.09 0.00	48.70 0.35 0.00	50.33 0.46 0.00
HQ_GEN_WHEEL 23651	36.82 0.13 0.00	37.33 0.22 0.00	39.58 0.29 0.00	35.58 0.17 0.00	37.44 0.19 0.00	35.81 -0.01 0.00	43.47 -0.19 0.00	89.87 -0.41 0.00	35.67 -0.05 0.00	35.06 -0.01 0.00	34.37 0.05 0.00	35.70 0.13 0.00	37.50 0.20 0.00	39.54 0.23 0.00	45.19 0.25 0.00	50.69 0.13 0.02	36.84 0.06 0.00	46.78 0.08 0.00	44.02 -0.05 0.00	50.64 -0.05 0.00	43.92 0.03 0.00	40.14 0.09 0.00	48.70 0.35 0.00	50.33 0.46 0.00
HUDSON AVE_GT_3 23810	38.21 1.52 0.00	38.43 1.32 0.00	40.43 1.14 0.00	36.62 1.22 0.00	38.55 1.30 0.00	37.38 1.56 0.00	46.20 2.54 0.00	95.82 5.53 0.00	38.19 2.48 0.00	37.67 2.60 0.00	36.91 2.59 0.00	38.18 2.62 0.00	39.86 2.57 0.00	41.97 2.65 0.00	47.87 2.93 0.00	54.13 3.56 0.00	39.48 2.69 0.00	49.84 3.14 0.00	47.12 3.06 0.00	54.24 3.56 0.00	46.73 2.84 0.00	42.43 2.37 0.00	50.45 2.09 0.00	51.58 1.71 0.00
HUDSON AVE_GT_4 23540	38.21 1.52 0.00	38.43 1.32 0.00	40.43 1.14 0.00	36.62 1.22 0.00	38.55 1.30 0.00	37.38 1.56 0.00	46.20 2.54 0.00	95.82 5.53 0.00	38.19 2.48 0.00	37.67 2.60 0.00	36.91 2.59 0.00	38.18 2.62 0.00	39.86 2.57 0.00	41.97 2.65 0.00	47.87 2.93 0.00	54.13 3.56 0.00	39.48 2.69 0.00	49.84 3.14 0.00	47.12 3.06 0.00	54.24 3.56 0.00	46.73 2.84 0.00	42.43 2.37 0.00	50.45 2.09 0.00	51.58 1.71 0.00
HUDSON AVE_GT_5 23657	38.21 1.52 0.00	38.43 1.32 0.00	40.43 1.14 0.00	36.62 1.22 0.00	38.55 1.30 0.00	37.38 1.56 0.00	46.20 2.54 0.00	95.82 5.53 0.00	38.19 2.48 0.00	37.67 2.60 0.00	36.91 2.59 0.00	38.18 2.62 0.00	39.86 2.57 0.00	41.97 2.65 0.00	47.87 2.93 0.00	54.13 3.56 0.00	39.48 2.69 0.00	49.84 3.14 0.00	47.12 3.06 0.00	54.24 3.56 0.00	46.73 2.84 0.00	42.43 2.37 0.00	50.45 2.09 0.00	51.58 1.71 0.00
HUDSON_AVE_10 24168	38.09 1.39 0.00	38.36 1.24 0.00	40.35 1.06 0.00	36.57 1.16 0.00	38.46 1.21 0.00	37.32 1.50 0.00	46.61 2.39 -0.56	97.03 5.15 -1.60	38.94 2.36 -0.86	41.14 2.46 -3.61	38.73 2.46 -1.95	38.84 2.51 -0.77	40.16 2.44 -0.42	41.86 2.55 0.00	47.73 2.79 0.00	53.96 3.39 0.00	39.36 2.58 0.00	49.68 2.98 0.00	50.58 2.88 -3.63	56.72 3.35 -2.69	46.79 2.68 -0.23	42.48 2.24 -0.18	50.63 1.91 -0.36	51.38 1.52 0.00
HUDSON___115KV_TB 4 355613	37.86 1.16 0.00	38.14 1.03 0.00	40.29 1.00 0.00	36.52 1.12 0.00	38.37 1.11 0.00	37.12 1.30 0.00	45.62 1.96 0.00	94.52 4.23 0.00	37.50 1.79 0.00	36.77 1.70 0.00	35.68 1.36 0.00	36.63 1.07 0.00	38.19 0.90 0.00	40.15 0.83 0.00	46.03 1.09 0.00	51.96 1.39 0.00	38.10 1.31 0.00	48.43 1.73 0.00	45.84 1.77 0.00	52.79 2.11 0.00	45.57 1.68 0.00	41.36 1.31 0.00	49.44 1.08 0.00	50.50 0.64 0.00
HUNTER MOUNT___DRP 323613	38.02 1.33 0.00	38.32 1.20 0.00	40.47 1.19 0.00	36.70 1.30 0.00	38.54 1.28 0.00	37.30 1.48 0.00	45.85 2.19 0.00	94.92 4.63 0.00	37.68 1.97 0.00	36.92 1.85 0.00	35.77 1.45 0.00	36.71 1.15 0.00	38.29 1.00 0.00	40.23 0.91 0.00	46.14 1.20 0.00	52.11 1.54 0.00	38.22 1.44 0.00	48.62 1.92 0.00	46.02 1.95 0.00	52.99 2.31 0.00	45.75 1.86 0.00	41.52 1.46 0.00	49.62 1.26 0.00	50.69 0.82 0.00
HUNTINGTON_RES_REC 323705	39.14 1.41 -1.04	38.30 1.19 0.00	40.27 0.98 0.00	36.45 1.05 0.00	38.56 1.30 0.00	36.26 1.47 1.02	58.87 2.71 -12.49	92.64 4.34 1.99	37.12 2.17 0.76	39.13 2.24 -1.82	57.20 2.29 -20.58	58.04 2.37 -20.11	55.18 2.39 -15.50	44.96 2.53 -3.11	49.75 2.73 -2.08	72.76 3.38 -18.81	45.54 2.52 -6.23	56.02 2.83 -6.48	93.48 3.00 -46.42	105.20 3.73 -50.79	60.05 2.82 -13.34	65.67 2.48 -23.14	89.24 2.49 -38.39	68.41 2.19 -16.35
HUNTLEY___63 23557	35.44 -1.26 0.00	35.95 -1.17 0.00	38.11 -1.18 0.00	34.15 -1.26 0.00	36.09 -1.16 0.00	34.74 -1.08 0.00	41.69 -1.97 0.00	85.73 -4.55 0.00	33.69 -2.02 0.00	30.86 -2.14 2.07	30.36 -1.90 2.07	31.41 -1.87 2.29	36.02 -1.27 0.00	38.18 -1.13 0.00	42.94 -1.14 0.86	46.81 -2.31 1.46	34.21 -2.27 0.30	40.76 -2.61 3.33	34.24 -2.62 7.20	46.69 -2.93 1.06	41.63 -2.26 0.00	38.52 -1.54 0.00	46.86 -1.50 0.00	48.83 -1.03 0.00
HUNTLEY___64 23558	35.44 -1.26 0.00	35.95 -1.17 0.00	38.11 -1.18 0.00	34.15 -1.26 0.00	36.09 -1.16 0.00	34.74 -1.08 0.00	41.69 -1.97 0.00	85.73 -4.55 0.00	33.69 -2.02 0.00	30.86 -2.14 2.07	30.36 -1.90 2.07	31.41 -1.87 2.29	36.02 -1.27 0.00	38.18 -1.13 0.00	42.94 -1.14 0.86	46.81 -2.31 1.46	34.21 -2.27 0.30	40.76 -2.61 3.33	34.24 -2.62 7.20	46.69 -2.93 1.06	41.63 -2.26 0.00	38.52 -1.54 0.00	46.86 -1.50 0.00	48.83 -1.03 0.00
HUNTLEY___65 23559	35.44 -1.26 0.00	35.95 -1.17 0.00	38.11 -1.18 0.00	34.15 -1.26 0.00	36.09 -1.16 0.00	34.74 -1.08 0.00	41.69 -1.97 0.00	85.73 -4.55 0.00	33.69 -2.02 0.00	30.86 -2.14 2.07	30.36 -1.90 2.07	31.41 -1.87 2.29	36.02 -1.27 0.00	38.18 -1.13 0.00	42.94 -1.14 0.86	46.81 -2.31 1.46	34.21 -2.27 0.30	40.76 -2.61 3.33	34.24 -2.62 7.20	46.69 -2.93 1.06	41.63 -2.26 0.00	38.52 -1.54 0.00	46.86 -1.50 0.00	48.83 -1.03 0.00
HUNTLEY___66 23560	35.44 -1.26 0.00	35.95 -1.17 0.00	38.11 -1.18 0.00	34.15 -1.26 0.00	36.09 -1.16 0.00	34.74 -1.08 0.00	41.69 -1.97 0.00	85.73 -4.55 0.00	33.69 -2.02 0.00	30.86 -2.14 2.07	30.36 -1.90 2.07	31.41 -1.87 2.29	36.02 -1.27 0.00	38.18 -1.13 0.00	42.94 -1.14 0.86	46.81 -2.31 1.46	34.21 -2.27 0.30	40.76 -2.61 3.33	34.24 -2.62 7.20	46.69 -2.93 1.06	41.63 -2.26 0.00	38.52 -1.54 0.00	46.86 -1.50 0.00	48.83 -1.03 0.00



HUNTLEY___67 23561	35.23 -1.47 0.00	35.74 -1.37 0.00	37.91 -1.38 0.00	33.95 -1.45 0.00	35.87 -1.38 0.00	34.53 -1.29 0.00	41.46 -2.20 0.00	85.33 -4.95 0.00	33.55 -2.16 0.00	30.87 -2.25 1.94	30.33 -2.05 1.94	31.42 -2.00 2.14	35.80 -1.49 0.00	37.97 -1.34 0.00	42.76 -1.37 0.81	46.82 -2.39 1.37	34.16 -2.34 0.28	40.84 -2.74 3.13	34.58 -2.73 6.76	46.56 -3.13 1.00	41.45 -2.45 0.00	38.37 -1.69 0.00	46.66 -1.70 0.00	48.63 -1.23 0.00
HUNTLEY___68 23562	35.23 -1.47 0.00	35.74 -1.37 0.00	37.91 -1.38 0.00	33.95 -1.45 0.00	35.87 -1.38 0.00	34.53 -1.29 0.00	41.46 -2.20 0.00	85.33 -4.95 0.00	33.55 -2.16 0.00	30.87 -2.25 1.94	30.33 -2.05 1.94	31.42 -2.00 2.14	35.80 -1.49 0.00	37.97 -1.34 0.00	42.76 -1.37 0.81	46.82 -2.39 1.37	34.16 -2.34 0.28	40.84 -2.74 3.13	34.58 -2.73 6.76	46.56 -3.13 1.00	41.45 -2.45 0.00	38.37 -1.69 0.00	46.66 -1.70 0.00	48.63 -1.23 0.00
HYLAND___LFGE 323620	38.72 2.03 0.00	39.09 1.97 0.00	41.37 2.08 0.00	37.10 1.70 0.00	39.26 2.00 0.00	37.96 2.14 0.00	46.70 3.04 0.00	96.61 6.32 0.00	37.39 1.68 0.00	34.74 0.69 1.02	34.38 1.08 1.02	34.67 0.23 1.13	37.93 0.63 0.00	40.01 0.70 0.00	45.24 0.73 0.42	50.11 0.26 0.72	36.22 -0.42 0.15	45.25 0.19 1.64	41.09 0.57 3.54	52.52 2.36 0.52	46.62 2.73 0.00	42.75 2.70 0.00	51.37 3.02 0.00	52.91 3.04 0.00
INDECK___CORINTH 23802	38.96 2.27 0.00	39.32 2.20 0.00	41.66 2.37 0.00	37.71 2.30 0.00	39.57 2.31 0.00	38.31 2.49 0.00	47.29 3.63 0.00	97.96 7.68 0.00	38.67 2.96 0.00	37.88 2.82 0.00	36.99 2.67 0.00	38.12 2.56 0.00	39.69 2.40 0.00	41.91 2.60 0.00	48.00 3.06 0.00	54.12 3.54 0.00	39.33 2.54 0.00	49.75 3.05 0.00	47.35 3.29 0.00	54.59 3.91 0.00	47.08 3.19 0.00	42.78 2.73 0.00	51.25 2.89 0.00	52.31 2.44 0.00
INDECK___ILION 23567	36.72 0.03 0.00	36.83 -0.29 0.00	38.88 -0.41 0.00	35.23 -0.17 0.00	36.94 -0.31 0.00	36.22 0.40 0.00	44.88 1.22 0.00	92.88 2.60 0.00	36.59 0.88 0.00	35.72 0.65 0.00	34.79 0.47 0.00	35.61 0.05 0.00	36.52 -0.77 0.00	38.90 -0.42 0.00	44.77 -0.17 0.00	50.21 -0.36 0.00	36.72 -0.06 0.00	46.31 -0.39 0.00	44.31 0.24 0.00	51.18 0.49 0.00	44.11 0.21 0.00	39.92 -0.13 0.00	47.18 -1.18 0.00	48.29 -1.57 0.00
INDECK___OLEAN 23982	35.79 -0.91 0.00	36.22 -0.90 0.00	38.20 -1.08 0.00	34.20 -1.21 0.00	36.15 -1.11 0.00	34.90 -0.92 0.00	42.34 -1.32 0.00	88.05 -2.24 0.00	34.55 -1.16 0.00	34.94 -1.18 -1.05	34.09 -1.28 -1.05	35.53 -1.19 -1.16	36.77 -0.52 0.00	39.13 -0.18 0.00	45.03 -0.35 -0.44	50.19 -1.12 -0.74	35.55 -1.39 -0.15	46.85 -1.54 -1.69	46.27 -1.45 -3.66	49.89 -1.33 -0.54	42.85 -1.04 0.00	39.58 -0.48 0.00	48.05 -0.31 0.00	50.09 0.22 0.00
INDECK___OSWEGO 23783	36.03 -0.67 0.00	36.42 -0.70 0.00	38.53 -0.76 0.00	34.73 -0.67 0.00	36.59 -0.67 0.00	35.25 -0.57 0.00	42.89 -0.77 0.00	88.59 -1.70 0.00	34.85 -0.86 0.00	34.12 -0.95 0.00	33.36 -0.96 0.00	34.56 -1.00 0.00	36.21 -1.08 0.00	38.23 -1.09 0.00	43.71 -1.23 0.00	49.26 -1.31 0.00	35.82 -0.96 0.00	45.51 -1.19 0.00	43.03 -1.04 0.00	49.52 -1.16 0.00	42.92 -0.97 0.00	39.19 -0.87 0.00	47.37 -0.99 0.00	48.95 -0.92 0.00
INDECK___YERKES 23781	35.47 -1.22 0.00	35.98 -1.14 0.00	38.15 -1.14 0.00	34.18 -1.23 0.00	36.13 -1.12 0.00	34.78 -1.04 0.00	41.74 -1.92 0.00	85.82 -4.47 0.00	33.73 -1.98 0.00	30.92 -2.08 2.07	30.39 -1.87 2.07	31.44 -1.83 2.29	36.06 -1.23 0.00	38.22 -1.10 0.00	42.98 -1.10 0.86	46.86 -2.25 1.46	34.27 -2.21 0.30	40.83 -2.54 3.33	34.38 -2.48 7.20	46.76 -2.86 1.06	41.68 -2.21 0.00	38.56 -1.50 0.00	46.91 -1.45 0.00	48.87 -0.99 0.00
INDIAN POINT_GT_1 24139	37.82 1.13 0.00	38.08 0.96 0.00	40.09 0.80 0.00	36.27 0.87 0.00	38.20 0.95 0.00	36.99 1.17 0.00	45.67 2.01 0.00	94.67 4.38 0.00	37.66 1.95 0.00	37.12 2.05 0.00	36.36 2.04 0.00	37.58 2.02 0.00	39.23 1.94 0.00	41.31 2.00 0.00	47.12 2.18 0.00	53.25 2.68 0.00	38.84 2.05 0.00	49.08 2.38 0.00	46.46 2.39 0.00	53.53 2.84 0.00	46.09 2.20 0.00	41.87 1.82 0.00	49.91 1.55 0.00	51.07 1.20 0.00
INDIAN POINT_GT_2 23659	37.82 1.13 0.00	38.08 0.96 0.00	40.09 0.80 0.00	36.27 0.87 0.00	38.20 0.95 0.00	36.99 1.17 0.00	45.67 2.01 0.00	94.67 4.38 0.00	37.66 1.95 0.00	37.12 2.05 0.00	36.36 2.04 0.00	37.58 2.02 0.00	39.23 1.94 0.00	41.31 2.00 0.00	47.12 2.18 0.00	53.25 2.68 0.00	38.84 2.05 0.00	49.08 2.38 0.00	46.46 2.39 0.00	53.53 2.84 0.00	46.09 2.20 0.00	41.87 1.82 0.00	49.91 1.55 0.00	51.07 1.20 0.00
INDIAN POINT_GT_3 24019	37.82 1.13 0.00	38.08 0.96 0.00	40.09 0.80 0.00	36.27 0.87 0.00	38.20 0.95 0.00	36.99 1.17 0.00	45.67 2.01 0.00	94.67 4.38 0.00	37.66 1.95 0.00	37.12 2.05 0.00	36.36 2.04 0.00	37.58 2.02 0.00	39.23 1.94 0.00	41.31 2.00 0.00	47.12 2.18 0.00	53.25 2.68 0.00	38.84 2.05 0.00	49.08 2.38 0.00	46.46 2.39 0.00	53.53 2.84 0.00	46.09 2.20 0.00	41.87 1.82 0.00	49.91 1.55 0.00	51.07 1.20 0.00
INDIAN POINT___2 23530	37.72 1.03 0.00	37.97 0.86 0.00	39.99 0.70 0.00	36.16 0.76 0.00	38.09 0.84 0.00	36.87 1.06 0.00	45.50 1.84 0.00	94.31 4.03 0.00	37.52 1.81 0.00	36.98 1.91 0.00	36.23 1.91 0.00	37.42 1.86 0.00	39.08 1.78 0.00	41.15 1.84 0.00	46.95 2.01 0.00	53.05 2.48 0.00	38.69 1.90 0.00	48.90 2.20 0.00	46.28 2.21 0.00	53.35 2.67 0.00	45.94 2.05 0.00	41.73 1.67 0.00	49.77 1.41 0.00	50.94 1.07 0.00
INDIAN POINT___3 23531	37.86 1.17 0.00	38.12 1.00 0.00	40.13 0.84 0.00	36.32 0.92 0.00	38.24 0.98 0.00	37.03 1.21 0.00	45.72 2.06 0.00	94.77 4.48 0.00	37.70 1.99 0.00	37.16 2.10 0.00	36.40 2.08 0.00	37.64 2.07 0.00	39.28 1.99 0.00	41.36 2.05 0.00	47.19 2.25 0.00	53.33 2.76 0.00	38.90 2.11 0.00	49.15 2.44 0.00	46.51 2.44 0.00	53.58 2.90 0.00	46.14 2.25 0.00	41.91 1.86 0.00	49.96 1.60 0.00	51.12 1.25 0.00
INGHAM_C_115KV_TB7 356103	36.53 -0.16 0.00	36.63 -0.49 0.00	38.65 -0.64 0.00	35.05 -0.35 0.00	36.73 -0.52 0.00	36.07 0.25 0.00	44.74 1.08 0.00	92.60 2.31 0.00	36.49 0.78 0.00	35.61 0.54 0.00	34.62 0.30 0.00	35.42 -0.15 0.00	36.27 -1.02 0.00	38.68 -0.64 0.00	44.57 -0.37 0.00	49.98 -0.59 0.00	36.56 -0.23 0.00	46.10 -0.60 0.00	44.19 0.12 0.00	51.07 0.39 0.00	43.99 0.10 0.00	39.82 -0.23 0.00	46.98 -1.38 0.00	48.03 -1.83 0.00
IP CORINTH___1 23988	38.96 2.27 0.00	39.32 2.21 0.00	41.66 2.37 0.00	37.71 2.30 0.00	39.57 2.31 0.00	38.31 2.49 0.00	47.30 3.64 0.00	97.97 7.68 0.00	38.67 2.96 0.00	37.89 2.82 0.00	36.99 2.67 0.00	38.12 2.56 0.00	39.69 2.40 0.00	41.91 2.60 0.00	48.00 3.06 0.00	54.12 3.55 0.00	39.33 2.55 0.00	49.75 3.05 0.00	47.36 3.29 0.00	54.59 3.91 0.00	47.08 3.20 0.00	42.78 2.73 0.00	51.25 2.89 0.00	52.31 2.44 0.00



IP___TICONDEROGA 23804	40.59 3.90 0.00	40.97 3.85 0.00	43.41 4.12 0.00	39.40 4.00 0.00	41.31 4.05 0.00	39.99 4.17 0.00	49.69 6.04 0.00	102.21 11.93 0.00	40.08 4.37 0.00	39.42 4.36 0.00	38.65 4.33 0.00	39.89 4.33 0.00	41.56 4.27 0.00	43.85 4.54 0.00	50.06 5.12 0.00	56.65 6.08 0.00	41.01 4.23 0.00	51.38 4.67 0.00	49.23 5.16 0.00	56.72 6.04 0.00	48.85 4.96 0.00	44.53 4.48 0.00	53.53 5.18 0.00	54.36 4.50 0.00
ISLIP_RES_REC 323679	39.22 1.46 -1.06	38.32 1.20 0.00	40.25 0.96 0.00	36.43 1.03 0.00	38.61 1.36 0.00	36.31 1.48 0.99	59.08 2.94 -12.48	92.81 4.50 1.98	37.14 2.18 0.75	39.27 2.25 -1.96	57.34 2.30 -20.71	58.16 2.41 -20.19	55.38 2.51 -15.57	45.14 2.71 -3.12	49.96 2.89 -2.13	73.21 3.85 -18.79	45.72 2.70 -6.23	56.23 3.06 -6.48	93.87 3.34 -46.46	105.74 4.23 -50.83	60.48 3.12 -13.47	66.06 2.76 -23.24	89.74 2.98 -38.40	68.84 2.55 -16.43
JAMAICA__27_KV_LOAD 355505	38.16 1.46 0.00	38.54 1.42 0.00	40.56 1.27 0.00	36.81 1.40 0.00	38.66 1.40 0.00	37.55 1.73 0.00	46.82 2.47 -0.69	97.46 5.20 -1.97	39.28 2.50 -1.07	42.07 2.54 -4.46	39.27 2.54 -2.41	39.18 2.67 -0.95	40.40 2.58 -0.53	42.05 2.73 0.00	47.87 2.93 0.00	54.15 3.58 0.00	39.50 2.71 0.00	49.83 3.13 0.00	51.46 2.91 -4.49	57.41 3.41 -3.32	46.97 2.80 -0.28	42.67 2.40 -0.22	50.83 2.03 -0.45	51.46 1.59 0.00
JANIS___SOLAR 323808	37.04 0.35 0.00	37.46 0.34 0.00	39.52 0.23 0.00	35.56 0.16 0.00	37.49 0.24 0.00	36.22 0.41 0.00	44.55 0.89 0.00	92.65 2.37 0.00	36.33 0.62 0.00	36.46 0.40 -0.98	35.38 0.08 -0.98	36.73 0.08 -1.09	37.66 0.37 0.00	39.99 0.68 0.00	45.95 0.60 -0.41	51.74 0.47 -0.69	37.03 0.10 -0.14	48.71 0.43 -1.58	48.69 1.20 -3.43	52.44 1.25 -0.51	45.13 1.24 0.00	41.35 1.29 0.00	49.45 1.10 0.00	50.67 0.80 0.00
JARVIS____ 23743	36.70 0.01 0.00	37.10 -0.02 0.00	39.26 -0.03 0.00	35.42 0.02 0.00	37.26 0.01 0.00	35.88 0.06 0.00	43.86 0.19 0.00	90.73 0.45 0.00	35.88 0.17 0.00	35.21 0.14 0.00	34.43 0.10 0.00	35.63 0.07 0.00	37.30 0.01 0.00	39.31 0.00 0.00	44.93 -0.01 0.00	50.64 0.07 0.00	36.90 0.11 0.00	46.83 0.13 0.00	44.24 0.17 0.00	50.84 0.15 0.00	43.98 0.09 0.00	40.09 0.03 0.00	48.32 -0.04 0.00	49.76 -0.10 0.00
JENNISON___1 23625	36.08 -0.62 0.00	36.44 -0.67 0.00	38.47 -0.82 0.00	34.67 -0.73 0.00	36.51 -0.74 0.00	35.33 -0.48 0.00	43.56 -0.10 0.00	90.62 0.33 0.00	35.64 -0.08 0.00	35.55 -0.13 -0.61	34.85 -0.08 -0.61	36.13 -0.10 -0.67	37.31 0.02 0.00	39.32 0.01 0.00	45.34 0.15 -0.25	51.16 0.16 -0.43	36.84 -0.03 -0.09	47.86 0.18 -0.98	46.77 0.58 -2.12	51.74 0.75 -0.31	44.86 0.97 0.00	41.06 1.00 0.00	49.00 0.65 0.00	50.08 0.22 0.00
JENNISON___2 23626	36.08 -0.62 0.00	36.44 -0.67 0.00	38.47 -0.82 0.00	34.67 -0.73 0.00	36.51 -0.74 0.00	35.33 -0.48 0.00	43.56 -0.10 0.00	90.62 0.33 0.00	35.64 -0.08 0.00	35.55 -0.13 -0.61	34.85 -0.08 -0.61	36.13 -0.10 -0.67	37.31 0.02 0.00	39.32 0.01 0.00	45.34 0.15 -0.25	51.16 0.16 -0.43	36.84 -0.03 -0.09	47.86 0.18 -0.98	46.77 0.58 -2.12	51.74 0.75 -0.31	44.86 0.97 0.00	41.06 1.00 0.00	49.00 0.65 0.00	50.08 0.22 0.00
JERICHO_RISE_WT_PWR 323719	36.00 -0.69 0.00	37.08 -0.03 0.00	39.37 0.08 0.00	35.07 -0.34 0.00	37.26 0.00 0.00	-10.02 -1.14 44.70	-23.89 -1.70 65.85	-11.29 -3.51 98.07	24.10 -1.01 10.60	34.31 -0.76 0.00	33.60 -0.72 0.00	34.98 -0.59 0.00	36.85 -0.44 0.00	39.02 -0.29 0.00	44.72 -0.22 0.00	49.71 -0.87 0.00	36.05 -0.74 0.00	45.57 -1.13 0.00	42.81 -1.26 0.00	49.35 -1.33 0.00	43.00 -0.89 0.00	39.41 -0.64 0.00	48.17 -0.19 0.00	49.70 -0.17 0.00
KATONAH___115KV_46KV_TB4 355592	38.12 1.43 0.00	38.37 1.26 0.00	40.41 1.12 0.00	36.59 1.18 0.00	38.52 1.26 0.00	37.31 1.49 0.00	46.10 2.44 0.00	95.56 5.28 0.00	38.02 2.31 0.00	37.48 2.41 0.00	36.71 2.39 0.00	37.96 2.39 0.00	39.62 2.33 0.00	41.68 2.37 0.00	47.54 2.60 0.00	53.72 3.15 0.00	39.19 2.40 0.00	49.52 2.82 0.00	46.86 2.79 0.00	53.97 3.28 0.00	46.51 2.62 0.00	42.23 2.17 0.00	50.29 1.94 0.00	51.43 1.56 0.00
KCE_NY_1 323755	38.64 1.95 0.00	39.10 1.99 0.00	41.81 2.52 0.00	37.74 2.33 0.00	39.17 1.91 0.00	37.90 2.08 0.00	46.67 3.01 0.00	96.61 6.32 0.00	38.16 2.45 0.00	37.42 2.35 0.00	36.51 2.19 0.00	37.57 2.01 0.00	39.14 1.85 0.00	41.38 2.07 0.00	47.46 2.52 0.00	53.49 2.92 0.00	38.93 2.15 0.00	49.36 2.66 0.00	46.77 2.70 0.00	53.94 3.26 0.00	46.57 2.68 0.00	42.22 2.16 0.00	50.61 2.26 0.00	51.78 1.92 0.00
KCE_NY_6_ESR 323823	35.57 -1.13 0.00	36.09 -1.03 0.00	38.26 -1.03 0.00	34.25 -1.15 0.00	36.22 -1.04 0.00	34.91 -0.91 0.00	41.97 -1.69 0.00	86.47 -3.82 0.00	34.02 -1.69 0.00	31.69 -1.78 1.60	31.09 -1.64 1.59	32.21 -1.59 1.76	36.25 -1.04 0.00	38.42 -0.89 0.00	43.39 -0.89 0.66	47.61 -1.84 1.12	34.63 -1.92 0.23	41.91 -2.22 2.57	36.36 -2.15 5.55	47.38 -2.48 0.82	42.00 -1.89 0.00	38.86 -1.19 0.00	47.23 -1.13 0.00	49.30 -0.57 0.00
KEDC_PORT_JEFF_GT2 24210	38.92 1.30 -0.93	38.17 1.05 0.00	40.11 0.82 0.00	36.29 0.89 0.00	38.46 1.20 0.00	36.03 1.32 1.11	58.69 2.71 -12.32	92.26 3.99 2.02	36.89 1.98 0.81	38.34 2.05 -1.22	56.18 2.10 -19.75	57.30 2.20 -19.53	54.58 2.30 -14.99	44.84 2.48 -3.05	49.48 2.66 -1.88	72.73 3.59 -18.57	45.46 2.51 -6.16	55.91 2.81 -6.40	92.53 2.97 -45.49	104.70 3.80 -50.21	59.72 2.89 -12.94	65.33 2.56 -22.72	89.08 2.75 -37.97	68.25 2.35 -16.04
KEDC_PORT_JEFF_GT3 24211	38.92 1.30 -0.93	38.17 1.05 0.00	40.11 0.82 0.00	36.29 0.89 0.00	38.46 1.20 0.00	36.03 1.32 1.11	58.69 2.71 -12.32	92.26 3.99 2.02	36.89 1.98 0.81	38.34 2.05 -1.22	56.18 2.10 -19.75	57.30 2.20 -19.53	54.58 2.30 -14.99	44.84 2.48 -3.05	49.48 2.66 -1.88	72.73 3.59 -18.57	45.46 2.51 -6.16	55.91 2.81 -6.40	92.53 2.97 -45.49	104.70 3.80 -50.21	59.72 2.89 -12.94	65.33 2.56 -22.72	89.08 2.75 -37.97	68.25 2.35 -16.04
KEDC_GLWD_GT4 24219	43.55 1.68 -5.18	38.59 1.47 0.00	40.59 1.30 -0.01	36.75 1.34 -0.01	38.75 1.50 -0.01	39.89 1.73 -2.35	69.28 2.78 -22.84	95.42 5.45 0.32	39.81 2.53 -1.57	65.69 2.66 -27.95	96.13 2.66 -59.15	86.51 2.69 -48.25	79.23 2.65 -39.29	48.63 2.75 -6.57	58.36 3.07 -10.36	86.95 3.59 -32.79	50.30 2.72 -10.80	61.13 3.20 -11.24	144.61 3.15 -97.40	149.82 3.73 -95.41	85.15 2.97 -38.30	94.15 2.54 -51.55	120.30 2.38 -69.57	88.78 2.07 -36.84
KEDC_GLWD_GT5 24220	43.55 1.68 -5.18	38.59 1.47 0.00	40.59 1.30 -0.01	36.75 1.34 -0.01	38.75 1.50 -0.01	39.89 1.73 -2.35	69.28 2.78 -22.84	95.42 5.45 0.32	39.81 2.53 -1.57	65.69 2.66 -27.95	96.13 2.66 -59.15	86.51 2.69 -48.25	79.23 2.65 -39.29	48.63 2.75 -6.57	58.36 3.07 -10.36	86.95 3.59 -32.79	50.30 2.72 -10.80	61.13 3.20 -11.24	144.61 3.15 -97.40	149.82 3.73 -95.41	85.15 2.97 -38.30	94.15 2.54 -51.55	120.30 2.38 -69.57	88.78 2.07 -36.84



KENSICO____ 23655	38.03 1.34 0.00	38.27 1.15 0.00	40.29 1.00 0.00	36.48 1.08 0.00	38.41 1.15 0.00	37.21 1.39 0.00	45.97 2.31 0.00	95.30 5.02 0.00	37.93 2.22 0.00	37.39 2.32 0.00	36.63 2.30 0.00	37.88 2.32 0.00	39.54 2.25 0.00	41.63 2.32 0.00	47.48 2.54 0.00	53.68 3.11 0.00	39.14 2.35 0.00	49.45 2.75 0.00	46.78 2.71 0.00	53.87 3.19 0.00	46.40 2.51 0.00	42.15 2.10 0.00	50.20 1.84 0.00	51.36 1.49 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	38.43 1.74 0.00	38.70 1.58 0.00	40.82 1.53 0.00	36.91 1.51 0.00	38.87 1.61 0.00	37.63 1.82 0.00	46.48 2.82 0.00	96.36 6.07 0.00	38.34 2.63 0.00	37.77 2.70 0.00	36.95 2.63 0.00	38.17 2.60 0.00	39.65 2.36 0.00	41.53 2.22 0.00	47.43 2.49 0.00	53.58 3.01 0.00	39.26 2.47 0.00	49.76 3.06 0.00	47.13 3.06 0.00	54.33 3.65 0.00	46.85 2.96 0.00	42.55 2.49 0.00	50.72 2.36 0.00	51.84 1.98 0.00
KIAC_JFK_GT1 23816	37.94 1.25 0.00	38.32 1.21 0.00	40.33 1.04 0.00	36.60 1.20 0.00	38.44 1.19 0.00	37.34 1.52 0.00	46.52 2.17 -0.69	96.78 4.52 -1.97	39.03 2.25 -1.07	41.87 2.34 -4.46	39.15 2.42 -2.41	39.03 2.52 -0.95	40.24 2.42 -0.53	41.89 2.58 0.00	47.65 2.71 0.00	53.84 3.27 0.00	39.27 2.48 0.00	49.49 2.79 0.00	51.14 2.58 -4.49	57.04 3.03 -3.32	46.65 2.48 -0.28	42.42 2.14 -0.22	50.49 1.69 -0.45	51.15 1.29 0.00
KIAC_JFK_GT2 23817	37.94 1.25 0.00	38.32 1.21 0.00	40.33 1.04 0.00	36.60 1.20 0.00	38.44 1.19 0.00	37.34 1.52 0.00	46.52 2.17 -0.69	96.78 4.52 -1.97	39.03 2.25 -1.07	41.87 2.34 -4.46	39.15 2.42 -2.41	39.03 2.52 -0.95	40.24 2.42 -0.53	41.89 2.58 0.00	47.65 2.71 0.00	53.84 3.27 0.00	39.27 2.48 0.00	49.49 2.79 0.00	51.14 2.58 -4.49	57.04 3.03 -3.32	46.65 2.48 -0.28	42.42 2.14 -0.22	50.49 1.69 -0.45	51.15 1.29 0.00
KIAC_JFK____ 323774	37.95 1.25 0.00	38.33 1.21 0.00	40.33 1.04 0.00	36.60 1.19 0.00	38.45 1.19 0.00	37.34 1.52 0.00	46.57 2.22 -0.69	96.78 4.52 -1.97	39.04 2.26 -1.07	41.96 2.44 -4.46	39.30 2.58 -2.41	39.09 2.57 -0.95	40.30 2.48 -0.53	41.89 2.58 0.00	47.65 2.72 0.00	53.87 3.30 0.00	39.26 2.47 0.00	49.48 2.79 0.00	51.28 2.72 -4.49	57.19 3.18 -3.32	46.68 2.51 -0.28	42.42 2.15 -0.22	50.51 1.70 -0.45	51.16 1.30 0.00
KINTIGH____ 23543	35.40 -1.29 0.00	35.90 -1.22 0.00	38.06 -1.23 0.00	34.13 -1.27 0.00	36.02 -1.23 0.00	34.66 -1.15 0.00	41.76 -1.90 0.00	86.03 -4.26 0.00	33.82 -1.89 0.00	31.41 -1.97 1.69	30.81 -1.82 1.69	31.94 -1.76 1.87	35.93 -1.36 0.00	38.10 -1.21 0.00	42.97 -1.27 0.70	47.25 -2.13 1.19	34.47 -2.07 0.25	41.64 -2.34 2.72	35.88 -2.30 5.89	47.15 -2.66 0.87	41.79 -2.10 0.00	38.57 -1.49 0.00	46.83 -1.53 0.00	48.68 -1.19 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	36.63 -0.06 0.00	37.61 0.50 0.00	39.99 0.70 0.00	35.62 0.21 0.00	37.76 0.51 0.00	-5.81 -0.56 41.07	-17.85 -1.01 60.51	-1.97 -2.15 90.10	25.48 -0.49 9.74	34.94 -0.13 0.00	34.19 -0.13 0.00	35.61 0.04 0.00	37.47 0.17 0.00	39.71 0.39 0.00	45.52 0.58 0.00	50.46 -0.11 0.00	36.56 -0.22 0.00	46.13 -0.57 0.00	43.42 -0.64 0.00	50.19 -0.50 0.00	43.81 -0.08 0.00	40.11 0.05 0.00	48.97 0.61 0.00	50.50 0.64 0.00
LACHUTE__HYDRO 323717	40.59 3.90 0.00	40.96 3.85 0.00	43.41 4.12 0.00	39.40 4.00 0.00	41.31 4.05 0.00	39.99 4.17 0.00	49.69 6.03 0.00	102.21 11.93 0.00	40.08 4.37 0.00	39.42 4.35 0.00	38.66 4.34 0.00	39.89 4.32 0.00	41.56 4.27 0.00	43.85 4.54 0.00	50.06 5.12 0.00	56.64 6.07 0.00	41.02 4.23 0.00	51.37 4.67 0.00	49.22 5.15 0.00	56.72 6.04 0.00	48.85 4.96 0.00	44.53 4.48 0.00	53.53 5.18 0.00	54.36 4.50 0.00
LAWRNCV_115KV_TB1 80681	36.28 -0.41 0.00	36.92 -0.19 0.00	39.19 -0.10 0.00	35.14 -0.26 0.00	37.06 -0.20 0.00	41.02 -0.49 -5.68	51.14 -0.89 -8.37	100.92 -1.84 -12.48	36.49 -0.57 -1.35	34.43 -0.63 0.00	33.74 -0.59 0.00	35.14 -0.42 0.00	36.81 -0.49 0.00	38.92 -0.40 0.00	44.31 -0.63 0.00	49.61 -0.96 0.00	36.09 -0.70 0.00	45.85 -0.85 0.00	43.12 -0.95 0.00	49.77 -0.92 0.00	43.29 -0.60 0.00	39.58 -0.47 0.00	48.31 -0.05 0.00	50.02 0.15 0.00
LEDERLE____ 23769	37.95 1.25 0.00	38.19 1.08 0.00	40.22 0.93 0.00	36.36 0.96 0.00	38.32 1.07 0.00	37.19 1.38 0.00	45.95 2.29 0.00	95.25 4.96 0.00	37.92 2.21 0.00	37.38 2.31 0.00	36.62 2.30 0.00	37.84 2.28 0.00	39.50 2.21 0.00	41.60 2.29 0.00	47.46 2.52 0.00	53.65 3.08 0.00	39.08 2.29 0.00	49.30 2.60 0.00	46.66 2.60 0.00	53.77 3.09 0.00	46.29 2.40 0.00	42.04 1.98 0.00	50.12 1.76 0.00	51.28 1.42 0.00
LIGHTHSE_115KV_TB6 355974	35.76 -0.94 0.00	36.19 -0.92 0.00	38.31 -0.98 0.00	34.54 -0.86 0.00	36.54 -0.72 0.00	35.30 -0.52 0.00	42.78 -0.88 0.00	88.34 -1.95 0.00	34.72 -0.99 0.00	33.84 -1.23 0.00	33.08 -1.24 0.00	34.27 -1.29 0.00	35.63 -1.67 0.00	37.75 -1.57 0.00	43.11 -1.83 0.00	48.61 -1.96 0.00	35.45 -1.34 0.00	45.01 -1.68 0.00	42.61 -1.46 0.00	49.22 -1.46 0.00	42.78 -1.11 0.00	39.00 -1.05 0.00	47.45 -0.91 0.00	49.11 -0.76 0.00
LINDEN COGEN____ 23786	37.96 1.27 0.00	38.18 1.07 0.00	40.16 0.87 0.00	36.36 0.96 0.00	38.29 1.03 0.00	37.11 1.30 0.00	45.89 2.23 0.00	95.14 4.85 0.00	37.90 2.19 0.00	37.39 2.32 0.00	36.65 2.33 0.00	37.89 2.32 0.00	39.54 2.25 0.00	41.63 2.32 0.00	47.50 2.56 0.00	53.73 3.15 0.00	39.19 2.40 0.00	49.46 2.76 0.00	46.78 2.71 0.00	53.88 3.19 0.00	46.39 2.50 0.00	42.11 2.05 0.00	50.06 1.70 0.00	51.19 1.33 0.00
LINDHRST_69_KV_BK1 356055	41.62 2.00 -2.92	38.85 1.74 0.00	40.85 1.56 0.00	36.97 1.56 0.00	39.07 1.81 0.00	38.74 2.01 -0.91	61.77 3.26 -14.85	94.37 5.81 1.73	38.63 2.76 -0.16	50.75 2.88 -12.80	71.93 2.94 -34.67	68.24 3.02 -29.66	64.26 3.00 -23.97	46.69 3.17 -4.21	54.21 3.45 -5.82	76.54 4.03 -21.94	47.09 3.06 -7.24	57.81 3.58 -7.53	108.38 3.61 -60.70	116.43 4.37 -61.37	70.13 3.42 -22.82	75.46 3.03 -32.38	97.29 3.07 -45.86	75.75 2.74 -23.15
LIPA_MISC_IPP 23656	38.54 0.99 -0.86	37.86 0.75 0.00	39.76 0.48 0.00	35.98 0.57 0.00	38.19 0.93 0.00	35.64 1.01 1.18	58.36 2.49 -12.22	91.39 3.15 2.05	36.43 1.56 0.84	37.46 1.58 -0.82	55.14 1.60 -19.21	56.46 1.74 -19.16	53.88 1.92 -14.66	44.46 2.14 -3.00	48.95 2.27 -1.74	72.45 3.44 -18.44	45.16 2.26 -6.11	55.50 2.45 -6.36	91.91 2.92 -44.92	104.37 3.83 -49.85	59.12 2.58 -12.65	64.77 2.30 -22.42	88.75 2.68 -37.71	67.86 2.17 -15.83
LISF__SOLAR 323691	38.61 1.03 -0.89	37.90 0.78 0.00	39.80 0.52 0.00	36.01 0.61 0.00	38.23 0.98 0.00	35.70 1.05 1.16	58.48 2.56 -12.25	91.50 3.26 2.04	36.48 1.60 0.83	37.66 1.64 -0.96	55.39 1.66 -19.40	56.63 1.78 -19.29	54.05 1.99 -14.78	44.52 2.19 -3.02	49.04 2.32 -1.79	72.57 3.52 -18.48	45.21 2.29 -6.13	55.58 2.51 -6.37	92.17 2.99 -45.11	104.59 3.93 -49.98	59.29 2.65 -12.75	64.96 2.37 -22.52	88.94 2.79 -37.80	68.02 2.26 -15.90



LITTLE FALLS___HYD 24013	36.53 -0.16 0.00	36.63 -0.49 0.00	38.65 -0.64 0.00	35.05 -0.35 0.00	36.73 -0.52 0.00	36.07 0.25 0.00	44.74 1.08 0.00	92.60 2.31 0.00	36.49 0.78 0.00	35.61 0.54 0.00	34.62 0.30 0.00	35.42 -0.15 0.00	36.27 -1.02 0.00	38.68 -0.64 0.00	44.57 -0.37 0.00	49.98 -0.59 0.00	36.56 -0.23 0.00	46.10 -0.60 0.00	44.19 0.12 0.00	51.07 0.39 0.00	43.99 0.10 0.00	39.82 -0.23 0.00	46.98 -1.38 0.00	48.03 -1.83 0.00
LITTLRIV_115KV_TB1 356100	36.90 0.20 0.00	37.52 0.41 0.00	39.83 0.54 0.00	35.71 0.30 0.00	37.67 0.41 0.00	42.23 0.16 -6.25	52.81 -0.06 -9.21	103.89 -0.11 -13.71	37.29 0.09 -1.49	34.99 -0.08 0.00	34.19 -0.13 0.00	35.71 0.14 0.00	37.24 -0.05 0.00	39.50 0.18 0.00	44.77 -0.17 0.00	49.95 -0.62 0.00	36.33 -0.46 0.00	46.19 -0.51 0.00	43.56 -0.51 0.00	50.62 -0.07 0.00	44.07 0.18 0.00	40.26 0.20 0.00	49.12 0.76 0.00	50.83 0.96 0.00
LI_NEWBRDGE___DRP 323616	38.24 1.37 -0.17	38.27 1.15 0.00	40.26 0.98 0.01	36.45 1.05 0.01	38.49 1.24 0.01	35.41 1.46 1.87	57.31 2.46 -11.18	92.04 4.29 2.54	36.56 2.15 1.31	33.65 2.29 3.71	50.32 2.29 -13.71	53.39 2.34 -15.49	51.03 2.28 -11.46	44.31 2.42 -2.59	48.01 2.68 -0.39	70.87 3.13 -17.17	44.90 2.41 -5.71	55.37 2.74 -5.93	85.69 2.78 -38.84	98.95 3.34 -44.93	55.33 2.57 -8.87	60.94 2.22 -18.67	84.90 2.07 -34.48	64.77 1.81 -13.10
LOCKPORT_115KV_TB60_63_64 80432	35.24 -1.45 0.00	35.76 -1.36 0.00	37.92 -1.36 0.00	33.98 -1.42 0.00	35.95 -1.31 0.00	34.58 -1.24 0.00	41.45 -2.21 0.00	84.95 -5.33 0.00	33.29 -2.42 0.00	30.13 -2.53 2.40	29.57 -2.36 2.40	30.57 -2.33 2.66	35.57 -1.72 0.00	37.70 -1.61 0.00	42.18 -1.76 1.00	45.86 -3.02 1.69	33.74 -2.69 0.35	39.63 -3.21 3.87	32.54 -3.16 8.37	45.94 -3.51 1.24	41.15 -2.74 0.00	38.11 -1.95 0.00	46.47 -1.89 0.00	48.42 -1.45 0.00
LOCKPORT___CC1 323769	35.12 -1.58 0.00	35.65 -1.47 0.00	37.81 -1.48 0.00	33.88 -1.52 0.00	35.86 -1.40 0.00	34.48 -1.34 0.00	41.32 -2.34 0.00	84.71 -5.57 0.00	33.23 -2.48 2.82	29.68 -2.57 2.81	29.09 -2.42 3.11	30.06 -2.39 0.00	35.46 -1.83 0.00	37.59 -1.72 0.00	41.92 -1.85 1.17	45.49 -3.09 1.98	33.65 -2.72 0.41	38.91 -3.25 4.54	31.13 -3.12 9.81	45.64 -3.59 1.45	41.07 -2.83 0.00	38.02 -2.03 0.00	46.37 -1.99 0.00	48.36 -1.51 0.00
LOCKPORT___CC2 323770	35.12 -1.58 0.00	35.65 -1.47 0.00	37.81 -1.48 0.00	33.88 -1.52 0.00	35.86 -1.40 0.00	34.48 -1.34 0.00	41.32 -2.34 0.00	84.71 -5.57 0.00	33.23 -2.48 2.82	29.68 -2.57 2.81	29.09 -2.42 3.11	30.06 -2.39 0.00	35.46 -1.83 0.00	37.59 -1.72 0.00	41.92 -1.85 1.17	45.49 -3.09 1.98	33.65 -2.72 0.41	38.91 -3.25 4.54	31.13 -3.12 9.81	45.64 -3.59 1.45	41.07 -2.83 0.00	38.02 -2.03 0.00	46.37 -1.99 0.00	48.36 -1.51 0.00
LOCKPORT___CC3 323771	35.12 -1.58 0.00	35.65 -1.47 0.00	37.81 -1.48 0.00	33.88 -1.52 0.00	35.86 -1.40 0.00	34.48 -1.34 0.00	41.32 -2.34 0.00	84.71 -5.57 0.00	33.23 -2.48 2.82	29.68 -2.57 2.81	29.09 -2.42 3.11	30.06 -2.39 0.00	35.46 -1.83 0.00	37.59 -1.72 0.00	41.92 -1.85 1.17	45.49 -3.09 1.98	33.65 -2.72 0.41	38.91 -3.25 4.54	31.13 -3.12 9.81	45.64 -3.59 1.45	41.07 -2.83 0.00	38.02 -2.03 0.00	46.37 -1.99 0.00	48.36 -1.51 0.00
LONG_LAKE_PHOENIX 24014	36.21 -0.49 0.00	36.58 -0.54 0.00	38.70 -0.59 0.00	34.87 -0.54 0.00	36.74 -0.51 0.00	35.40 -0.42 0.00	43.13 -0.53 0.00	89.07 -1.22 0.00	35.02 -0.69 0.00	34.30 -0.77 0.00	33.52 -0.80 0.00	34.72 -0.84 0.00	36.42 -0.87 0.00	38.46 -0.85 0.00	43.97 -0.97 0.00	49.53 -1.04 0.00	36.00 -0.79 0.00	45.77 -0.92 0.00	43.25 -0.82 0.00	49.77 -0.92 0.00	43.14 -0.75 0.00	39.36 -0.70 0.00	47.51 -0.85 0.00	49.07 -0.80 0.00
LOVETT___3 23632	37.80 1.11 0.00	38.04 0.93 0.00	40.06 0.77 0.00	36.24 0.83 0.00	38.17 0.92 0.00	36.96 1.14 0.00	45.62 1.96 0.00	94.53 4.24 0.00	37.63 1.92 0.00	37.09 2.02 0.00	36.33 2.01 0.00	37.55 1.98 0.00	39.19 1.90 0.00	41.28 1.97 0.00	47.10 2.16 0.00	53.23 2.66 0.00	38.82 2.04 0.00	49.05 2.35 0.00	46.43 2.36 0.00	53.49 2.81 0.00	46.05 2.16 0.00	41.83 1.78 0.00	49.88 1.51 0.00	51.04 1.18 0.00
LOVETT___4 23642	37.80 1.11 0.00	38.04 0.93 0.00	40.06 0.77 0.00	36.24 0.83 0.00	38.17 0.92 0.00	36.96 1.14 0.00	45.62 1.96 0.00	94.53 4.24 0.00	37.63 1.92 0.00	37.09 2.02 0.00	36.33 2.01 0.00	37.55 1.98 0.00	39.19 1.90 0.00	41.28 1.97 0.00	47.10 2.16 0.00	53.23 2.66 0.00	38.82 2.04 0.00	49.05 2.35 0.00	46.43 2.36 0.00	53.49 2.81 0.00	46.05 2.16 0.00	41.83 1.78 0.00	49.88 1.51 0.00	51.04 1.18 0.00
LOVETT___5 23593	37.80 1.11 0.00	38.04 0.93 0.00	40.06 0.77 0.00	36.24 0.83 0.00	38.17 0.92 0.00	36.96 1.14 0.00	45.62 1.96 0.00	94.53 4.24 0.00	37.63 1.92 0.00	37.09 2.02 0.00	36.33 2.01 0.00	37.55 1.98 0.00	39.19 1.90 0.00	41.28 1.97 0.00	47.10 2.16 0.00	53.23 2.66 0.00	38.82 2.04 0.00	49.05 2.35 0.00	46.43 2.36 0.00	53.49 2.81 0.00	46.05 2.16 0.00	41.83 1.78 0.00	49.88 1.51 0.00	51.04 1.18 0.00
LOWER RAQUET___HYD 24057	36.05 -0.64 0.00	36.71 -0.41 0.00	38.96 -0.33 0.00	34.93 -0.47 0.00	36.84 -0.41 0.00	41.90 -0.70 -6.78	52.49 -1.15 -9.99	102.80 -2.37 -14.88	36.54 -0.78 -1.61	34.22 -0.85 0.00	33.50 -0.82 0.00	34.90 -0.67 0.00	36.52 -0.77 0.00	38.62 -0.69 0.00	43.96 -0.97 0.00	49.23 -1.34 0.00	35.81 -0.97 0.00	45.50 -1.20 0.00	42.80 -1.27 0.00	49.44 -1.24 0.00	43.02 -0.87 0.00	39.33 -0.73 0.00	48.04 -0.32 0.00	49.74 -0.12 0.00
LOWER___HUDSON 24059	37.77 1.08 0.00	38.08 0.97 0.00	40.18 0.90 0.00	36.42 1.01 0.00	38.27 1.01 0.00	37.02 1.20 0.00	45.49 1.83 0.00	94.22 3.94 0.00	37.28 1.57 0.00	36.59 1.52 0.00	35.72 1.39 0.00	36.88 1.31 0.00	38.44 1.15 0.00	40.51 1.20 0.00	46.39 1.45 0.00	52.33 1.76 0.00	38.19 1.40 0.00	48.36 1.66 0.00	45.71 1.64 0.00	52.61 1.93 0.00	45.38 1.49 0.00	41.22 1.17 0.00	49.37 1.02 0.00	50.50 0.63 0.00
LOWVILLE_115KV_TB2 356335	35.47 -1.22 0.00	36.23 -0.88 0.00	38.30 -0.98 0.00	34.51 -0.89 0.00	36.55 -0.70 0.00	37.40 -0.38 -1.96	45.45 -1.10 -2.89	92.26 -2.35 -4.32	35.33 -0.86 -0.48	33.63 -1.43 0.00	32.91 -1.41 0.00	34.08 -1.48 0.00	35.25 -2.04 0.00	37.17 -2.14 0.00	42.45 -2.49 0.00	48.82 -1.75 0.00	36.06 -0.73 0.00	45.84 -0.86 0.00	43.15 -0.92 0.00	49.08 -1.60 0.00	42.70 -1.19 0.00	38.93 -1.13 0.00	48.05 -0.31 0.00	50.00 0.13 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	38.64 1.95 0.00	39.09 1.98 0.00	41.76 2.47 0.00	37.72 2.32 0.00	39.16 1.90 0.00	37.89 2.07 0.00	46.65 2.99 0.00	96.55 6.26 0.00	38.15 2.44 0.00	37.39 2.32 0.00	36.47 2.15 0.00	37.55 1.99 0.00	39.12 1.83 0.00	41.34 2.03 0.00	47.44 2.49 0.00	53.46 2.89 0.00	38.94 2.15 0.00	49.36 2.66 0.00	46.77 2.71 0.00	53.90 3.22 0.00	46.51 2.62 0.00	42.20 2.14 0.00	50.58 2.22 0.00	51.73 1.86 0.00



LUTHERNY_35_KV_BK2 355980	38.65 1.95 0.00	39.10 1.99 0.00	41.81 2.52 0.00	37.74 2.34 0.00	39.17 1.92 0.00	37.90 2.08 0.00	46.67 3.01 0.00	96.60 6.32 0.00	38.16 2.45 0.00	37.41 2.34 0.00	36.50 2.18 0.00	37.57 2.01 0.00	39.14 1.85 0.00	41.39 2.07 0.00	47.46 2.52 0.00	53.49 2.93 0.00	38.93 2.15 0.00	49.36 2.66 0.00	46.77 2.71 0.00	53.94 3.25 0.00	46.57 2.68 0.00	42.22 2.16 0.00	50.61 2.26 0.00	51.78 1.92 0.00
LWR___OSWEGATCHIE_HYD 23850	35.35 -1.35 0.00	36.01 -1.11 0.00	38.16 -1.13 0.00	34.31 -1.09 0.00	36.29 -0.96 0.00	39.51 -0.92 -4.61	48.87 -1.59 -6.79	97.10 -3.32 -10.13	35.57 -1.24 -1.10	33.51 -1.56 0.00	32.78 -1.54 0.00	34.07 -1.49 0.00	35.38 -1.92 0.00	37.43 -1.88 0.00	42.63 -2.31 0.00	48.23 -2.34 0.00	35.34 -1.45 0.00	44.90 -1.80 0.00	42.32 -1.75 0.00	48.66 -2.02 0.00	42.38 -1.51 0.00	38.67 -1.38 0.00	47.47 -0.88 0.00	49.26 -0.60 0.00
LYONS_FALL_HYD 23570	36.23 -0.47 0.00	36.83 -0.28 0.00	38.93 -0.36 0.00	35.10 -0.31 0.00	37.08 -0.17 0.00	37.21 0.08 -1.32	45.37 -0.23 -1.94	92.69 -0.51 -2.92	35.81 -0.24 -0.33	34.41 -0.66 0.00	33.67 -0.65 0.00	34.82 -0.74 0.00	36.22 -1.08 0.00	38.16 -1.15 0.00	43.58 -1.36 0.00	49.83 -0.74 0.00	36.64 -0.14 0.00	46.59 -0.11 0.00	43.96 -0.11 0.00	50.18 -0.50 0.00	43.55 -0.34 0.00	39.69 -0.36 0.00	48.51 0.15 0.00	50.27 0.41 0.00
MADISON___COUNTY_LFGE 323628	37.35 0.65 0.00	37.73 0.61 0.00	39.88 0.59 0.00	35.95 0.54 0.00	37.86 0.61 0.00	36.57 0.75 0.00	44.76 1.10 0.00	92.73 2.45 0.00	36.67 0.96 0.00	35.76 0.69 0.00	34.97 0.65 0.00	36.12 0.56 0.00	37.95 0.66 0.00	39.96 0.64 0.00	45.60 0.66 0.00	51.23 0.66 0.00	37.47 0.69 0.00	47.56 0.86 0.00	45.14 1.07 0.00	51.83 1.15 0.00	44.86 0.97 0.00	40.84 0.79 0.00	49.26 0.90 0.00	50.76 0.89 0.00
MALONE___115KV_TB1 356076	36.40 -0.29 0.00	37.38 0.27 0.00	39.66 0.37 0.00	35.38 -0.02 0.00	37.51 0.26 0.00	64.16 -0.66 -29.00	85.37 -1.03 -42.73	151.87 -2.06 -63.64	42.11 -0.49 -6.88	34.73 -0.34 0.00	33.94 -0.39 0.00	35.26 -0.30 0.00	37.18 -0.11 0.00	39.35 0.03 0.00	44.94 0.00 0.00	49.99 -0.58 0.00	36.21 -0.57 0.00	45.88 -0.82 0.00	43.18 -0.89 0.00	49.91 -0.78 0.00	43.49 -0.40 0.00	39.84 -0.21 0.00	48.59 0.23 0.00	50.11 0.25 0.00
MAPLEWOD_115KV_TB3 80458	37.61 0.92 0.00	37.91 0.79 0.00	39.97 0.69 0.00	36.28 0.88 0.00	38.13 0.87 0.00	36.83 1.02 0.00	45.18 1.53 0.00	93.76 3.47 0.00	37.11 1.40 0.00	36.45 1.38 0.00	35.57 1.24 0.00	36.72 1.16 0.00	38.29 1.00 0.00	40.30 0.99 0.00	46.18 1.24 0.00	52.08 1.51 0.00	38.04 1.25 0.00	48.24 1.55 0.00	45.57 1.51 0.00	52.35 1.67 0.00	45.18 1.29 0.00	41.05 0.99 0.00	49.10 0.74 0.00	50.22 0.36 0.00
MAPLE_RIDGE_WT_1 323574	35.78 -0.91 0.00	36.50 -0.61 0.00	38.93 -0.36 0.00	35.03 -0.37 0.00	36.81 -0.44 0.00	34.90 -0.91 0.00	42.34 -1.32 0.00	87.43 -2.86 0.00	34.76 -0.95 0.00	34.08 -0.99 0.00	33.39 -0.94 0.00	34.64 -0.92 0.00	36.33 -0.96 0.00	38.29 -1.03 0.00	43.77 -1.17 0.00	49.22 -1.35 0.00	35.99 -0.80 0.00	45.87 -0.83 0.00	43.14 -0.93 0.00	49.30 -1.39 0.00	42.82 -1.07 0.00	39.22 -0.83 0.00	48.01 -0.35 0.00	49.85 -0.02 0.00
MAPLE_RIDGE_WT_2 323611	35.78 -0.91 0.00	36.50 -0.61 0.00	38.93 -0.36 0.00	35.03 -0.37 0.00	36.81 -0.44 0.00	34.90 -0.91 0.00	42.34 -1.32 0.00	87.43 -2.86 0.00	34.76 -0.95 0.00	34.08 -0.99 0.00	33.39 -0.94 0.00	34.64 -0.92 0.00	36.33 -0.96 0.00	38.29 -1.03 0.00	43.77 -1.17 0.00	49.22 -1.35 0.00	35.99 -0.80 0.00	45.87 -0.83 0.00	43.14 -0.93 0.00	49.30 -1.39 0.00	42.82 -1.07 0.00	39.22 -0.83 0.00	48.01 -0.35 0.00	49.85 -0.02 0.00
MARBLE_RIVER_WT_PWR 323696	36.03 -0.67 0.00	37.06 -0.06 0.00	39.37 0.08 0.00	35.09 -0.32 0.00	37.25 0.00 0.00	-6.30 -1.05 41.07	-18.38 -1.54 60.51	-3.09 -3.27 90.10	25.05 -0.92 9.74	34.41 -0.66 0.00	33.70 -0.63 0.00	35.09 -0.48 0.00	36.95 -0.34 0.00	39.12 -0.19 0.00	44.83 -0.11 0.00	49.85 -0.72 0.00	36.16 -0.63 0.00	45.70 -1.00 0.00	42.97 -1.10 0.00	49.52 -1.17 0.00	43.14 -0.75 0.00	39.53 -0.52 0.00	48.29 -0.07 0.00	49.84 -0.02 0.00
MARSHVLE_115KV_TB1 80742	38.58 1.89 0.00	39.01 1.90 0.00	41.27 1.98 0.00	37.17 1.77 0.00	39.20 1.95 0.00	37.76 1.94 0.00	46.27 2.61 0.00	96.18 5.90 0.00	37.83 2.12 0.00	36.71 1.64 0.00	35.65 1.33 0.00	36.78 1.22 0.00	38.37 1.08 0.00	40.56 1.25 0.00	46.78 1.84 0.00	52.16 1.59 0.00	38.00 1.21 0.00	48.34 1.64 0.00	46.18 2.11 0.00	53.30 2.62 0.00	46.17 2.28 0.00	42.05 2.00 0.00	50.80 2.45 0.00	52.42 2.55 0.00
MARSH_HILL_WT_PWR 323713	33.19 -3.51 0.00	34.06 -3.06 0.00	35.77 -3.52 0.00	32.11 -3.30 0.00	34.41 -2.84 0.00	32.96 -2.85 0.00	39.82 -3.84 0.00	81.83 -8.45 0.00	32.13 -3.58 0.00	44.86 -3.47 -13.26	43.96 -3.59 -13.23	46.34 -3.88 -14.66	33.51 -3.78 0.00	35.37 -3.94 0.00	45.86 -4.60 -5.51	54.83 -5.08 -9.34	34.73 -3.99 -1.93	63.46 -4.59 -21.34	86.34 -3.90 -46.17	53.40 -4.10 -6.82	41.02 -2.87 0.00	37.03 -3.03 0.00	45.24 -3.12 0.00	47.86 -2.00 0.00
MCINTYRE_115KV_TB2 80467	37.47 0.77 0.00	38.06 0.95 0.00	40.41 1.12 0.00	36.23 0.83 0.00	38.19 0.93 0.00	41.89 0.68 -5.40	52.21 0.60 -7.95	103.37 1.24 -11.84	37.62 0.63 -1.28	35.47 0.40 0.00	34.64 0.32 0.00	36.23 0.67 0.00	37.78 0.49 0.00	40.09 0.77 0.00	45.36 0.42 0.00	50.59 0.03 0.00	36.80 0.02 0.00	46.72 0.03 0.00	44.08 0.01 0.00	51.37 0.69 0.00	44.74 0.85 0.00	40.86 0.81 0.00	49.81 1.45 0.00	51.52 1.66 0.00
MECO_____69_KV_BK1 80468	38.98 2.29 0.00	39.35 2.24 0.00	41.61 2.32 0.00	37.54 2.13 0.00	39.56 2.30 0.00	38.22 2.40 0.00	46.97 3.31 0.00	97.63 7.35 0.00	38.48 2.77 0.00	37.29 2.22 0.00	36.06 1.74 0.00	37.18 1.61 0.00	38.44 1.15 0.00	40.65 1.34 0.00	47.29 2.35 0.00	52.49 1.92 0.00	38.30 1.52 0.00	48.84 2.14 0.00	46.90 2.83 0.00	54.19 3.51 0.00	46.88 2.99 0.00	42.63 2.58 0.00	51.23 2.87 0.00	52.65 2.78 0.00
MENANDS___115KV_TB5 355628	37.36 0.66 0.00	37.65 0.53 0.00	39.73 0.44 0.00	36.06 0.65 0.00	37.87 0.62 0.00	36.61 0.80 0.00	44.94 1.28 0.00	93.17 2.88 0.00	36.92 1.21 0.00	36.27 1.20 0.00	35.42 1.10 0.00	36.58 1.01 0.00	38.17 0.88 0.00	40.17 0.86 0.00	45.98 1.04 0.00	51.84 1.27 0.00	37.90 1.11 0.00	48.03 1.33 0.00	45.33 1.26 0.00	52.06 1.37 0.00	44.91 1.03 0.00	40.80 0.74 0.00	48.80 0.44 0.00	49.91 0.04 0.00
MG INDUSTRY___DRP 24185	37.44 0.75 0.00	37.76 0.64 0.00	39.90 0.61 0.00	36.15 0.74 0.00	37.97 0.72 0.00	36.71 0.89 0.00	45.03 1.37 0.00	93.22 2.94 0.00	36.89 1.18 0.00	36.20 1.13 0.00	35.23 0.91 0.00	36.37 0.80 0.00	37.98 0.69 0.00	40.01 0.69 0.00	45.82 0.88 0.00	51.74 1.17 0.00	37.84 1.05 0.00	47.97 1.28 0.00	45.35 1.28 0.00	52.13 1.45 0.00	45.00 1.11 0.00	40.91 0.86 0.00	49.00 0.64 0.00	50.18 0.31 0.00



MID___OSWEGATCHIE_HYD 23849	35.35 -1.35 0.00	36.01 -1.11 0.00	38.16 -1.13 0.00	34.31 -1.09 0.00	36.29 -0.96 0.00	39.51 -0.92 -4.61	48.87 -1.59 -6.79	97.10 -3.32 -10.13	35.57 -1.24 -1.10	33.51 -1.56 0.00	32.78 -1.54 0.00	34.07 -1.49 0.00	35.38 -1.92 0.00	37.43 -1.88 0.00	42.63 -2.31 0.00	48.23 -2.34 0.00	35.34 -1.45 0.00	44.90 -1.80 0.00	42.32 -1.75 0.00	48.66 -2.02 0.00	42.38 -1.51 0.00	38.67 -1.38 0.00	47.47 -0.88 0.00	49.26 -0.60 0.00
MID___RAQUETTE_HYD 23851	36.05 -0.64 0.00	36.71 -0.41 0.00	38.96 -0.33 0.00	34.93 -0.48 0.00	36.84 -0.42 0.00	41.90 -0.69 -6.78	52.49 -1.15 -9.99	102.79 -2.37 -14.88	36.54 -0.78 -1.61	34.22 -0.85 0.00	33.50 -0.82 0.00	34.90 -0.67 0.00	36.52 -0.77 0.00	38.62 -0.69 0.00	43.96 -0.97 0.00	49.22 -1.35 0.00	35.82 -0.97 0.00	45.49 -1.20 0.00	42.81 -1.26 0.00	49.44 -1.25 0.00	43.03 -0.86 0.00	39.33 -0.73 0.00	48.04 -0.32 0.00	49.74 -0.12 0.00
MILLIKEN___1 23584	37.07 0.38 0.00	37.45 0.34 0.00	39.59 0.30 0.00	35.64 0.23 0.00	37.53 0.28 0.00	36.19 0.37 0.00	44.29 0.63 0.00	91.74 1.45 0.00	36.06 0.35 0.00	36.33 0.25 -1.01	35.42 0.09 -1.01	36.80 0.12 -1.11	37.56 0.27 0.00	39.67 0.36 0.00	45.68 0.32 -0.42	51.56 0.28 -0.71	37.00 0.06 -0.15	48.59 0.27 -1.62	48.13 0.55 -3.51	51.87 0.67 -0.52	44.56 0.67 0.00	40.70 0.65 0.00	48.93 0.57 0.00	50.40 0.54 0.00
MILLIKEN___2 23585	37.07 0.38 0.00	37.45 0.34 0.00	39.59 0.30 0.00	35.64 0.23 0.00	37.53 0.28 0.00	36.19 0.37 0.00	44.29 0.63 0.00	91.74 1.45 0.00	36.06 0.35 0.00	36.33 0.25 -1.01	35.42 0.09 -1.01	36.80 0.12 -1.11	37.56 0.27 0.00	39.67 0.36 0.00	45.68 0.32 -0.42	51.56 0.28 -0.71	37.00 0.06 -0.15	48.59 0.27 -1.62	48.13 0.55 -3.51	51.87 0.67 -0.52	44.56 0.67 0.00	40.70 0.65 0.00	48.93 0.57 0.00	50.40 0.54 0.00
MILLIKEN___DIESEL 23629	37.07 0.38 0.00	37.45 0.34 0.00	39.59 0.30 0.00	35.64 0.23 0.00	37.53 0.28 0.00	36.19 0.37 0.00	44.29 0.63 0.00	91.74 1.45 0.00	36.06 0.35 0.00	36.33 0.25 -1.01	35.42 0.09 -1.01	36.80 0.12 -1.11	37.56 0.27 0.00	39.67 0.36 0.00	45.68 0.32 -0.42	51.56 0.28 -0.71	37.00 0.06 -0.15	48.59 0.27 -1.62	48.13 0.55 -3.51	51.87 0.67 -0.52	44.56 0.67 0.00	40.70 0.65 0.00	48.93 0.57 0.00	50.40 0.54 0.00
MILLSEAT___LFGE 323607	36.02 -0.68 0.00	36.51 -0.61 0.00	38.70 -0.59 0.00	34.69 -0.72 0.00	36.68 -0.57 0.00	35.34 -0.47 0.00	42.61 -1.05 0.00	87.52 -2.76 0.00	34.28 -1.43 0.00	31.48 -1.51 2.08	30.67 -1.58 2.08	31.72 -1.55 2.30	36.40 -0.89 0.00	38.49 -0.83 0.00	43.11 -0.97 0.86	46.87 -2.24 1.47	34.69 -1.79 0.30	41.20 -2.15 3.35	34.85 -1.97 7.25	47.53 -2.09 1.07	42.39 -1.50 0.00	39.13 -0.93 0.00	47.55 -0.81 0.00	49.40 -0.46 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	37.92 1.22 0.00	38.16 1.04 0.00	40.19 0.90 0.00	36.38 0.97 0.00	38.30 1.04 0.00	37.08 1.27 0.00	45.80 2.14 0.00	94.95 4.66 0.00	37.77 2.06 0.00	37.23 2.17 0.00	36.47 2.15 0.00	37.71 2.15 0.00	39.37 2.07 0.00	41.45 2.13 0.00	47.28 2.34 0.00	53.43 2.86 0.00	38.97 2.19 0.00	49.24 2.54 0.00	46.59 2.52 0.00	53.68 3.00 0.00	46.23 2.34 0.00	41.99 1.94 0.00	50.04 1.68 0.00	51.19 1.33 0.00
MILLWOOD_13_KV_LOAD 356217	37.96 1.26 0.00	38.21 1.10 0.00	40.24 0.95 0.00	36.42 1.01 0.00	38.34 1.08 0.00	37.14 1.32 0.00	45.86 2.20 0.00	95.05 4.76 0.00	37.83 2.12 0.00	37.29 2.22 0.00	36.52 2.20 0.00	37.76 2.20 0.00	39.42 2.13 0.00	41.50 2.19 0.00	47.33 2.39 0.00	53.49 2.92 0.00	39.02 2.23 0.00	49.31 2.61 0.00	46.67 2.60 0.00	53.75 3.07 0.00	46.30 2.41 0.00	42.05 2.00 0.00	50.11 1.75 0.00	51.26 1.39 0.00
MODEL_CITY_ENERGY 24167	35.02 -1.67 0.00	35.55 -1.57 0.00	37.72 -1.57 0.00	33.80 -1.61 0.00	35.73 -1.52 0.00	34.36 -1.45 0.00	41.15 -2.51 0.00	84.20 -6.09 0.00	32.97 -2.74 0.00	29.97 -2.84 2.27	29.42 -2.65 2.26	30.44 -2.62 2.50	35.31 -1.98 0.00	37.46 -1.85 0.00	41.98 -2.02 0.94	45.62 -3.36 1.60	33.50 -2.96 0.33	39.50 -3.56 3.65	32.72 -3.47 7.88	45.54 -3.97 1.17	40.74 -3.15 0.00	37.75 -2.31 0.00	46.11 -2.25 0.00	48.02 -1.84 0.00
MODERN_LFGE___ 323580	35.02 -1.67 0.00	35.55 -1.57 0.00	37.72 -1.57 0.00	33.80 -1.61 0.00	35.73 -1.52 0.00	34.36 -1.45 0.00	41.15 -2.51 0.00	84.20 -6.09 0.00	32.97 -2.74 0.00	29.97 -2.84 2.27	29.42 -2.65 2.26	30.44 -2.62 2.50	35.31 -1.98 0.00	37.46 -1.85 0.00	41.98 -2.02 0.94	45.62 -3.36 1.60	33.50 -2.96 0.33	39.50 -3.56 3.65	32.72 -3.47 7.88	45.54 -3.97 1.17	40.74 -3.15 0.00	37.75 -2.31 0.00	46.11 -2.25 0.00	48.02 -1.84 0.00
MOHAWK_PAPER___DRP 24187	37.61 0.92 0.00	37.91 0.79 0.00	39.97 0.69 0.00	36.28 0.88 0.00	38.13 0.87 0.00	36.83 1.02 0.00	45.18 1.53 0.00	93.76 3.47 0.00	37.11 1.40 0.00	36.45 1.38 0.00	35.57 1.24 0.00	36.72 1.16 0.00	38.29 1.00 0.00	40.30 0.99 0.00	46.18 1.24 0.00	52.08 1.51 0.00	38.04 1.25 0.00	48.24 1.55 0.00	45.57 1.51 0.00	52.35 1.67 0.00	45.18 1.29 0.00	41.05 0.99 0.00	49.10 0.74 0.00	50.22 0.36 0.00
MOHICAN___35_KV_115KV_LD 80490	39.04 2.35 0.00	39.41 2.29 0.00	41.79 2.50 0.00	37.83 2.42 0.00	39.65 2.40 0.00	38.39 2.58 0.00	47.40 3.74 0.00	98.15 7.86 0.00	38.72 3.01 0.00	37.94 2.87 0.00	37.04 2.72 0.00	38.14 2.58 0.00	39.73 2.44 0.00	41.96 2.65 0.00	48.06 3.12 0.00	54.21 3.63 0.00	39.38 2.60 0.00	49.80 3.10 0.00	47.43 3.36 0.00	54.67 3.99 0.00	47.14 3.25 0.00	42.84 2.79 0.00	51.33 2.97 0.00	52.36 2.50 0.00
MONGAUP___HYD 23641	38.11 1.42 0.00	38.39 1.27 0.00	40.48 1.19 0.00	36.61 1.20 0.00	38.53 1.28 0.00	37.29 1.47 0.00	45.66 2.00 0.00	93.99 3.70 0.00	37.35 1.64 0.00	36.77 1.71 0.00	36.21 1.89 0.00	37.38 1.82 0.00	38.80 1.50 0.00	40.72 1.40 0.00	46.47 1.53 0.00	52.58 2.01 0.00	38.26 1.47 0.00	48.25 1.55 0.00	45.87 1.80 0.00	53.40 2.72 0.00	46.16 2.27 0.00	42.18 2.13 0.00	50.31 1.95 0.00	51.45 1.59 0.00
MONTAUK___DIESEL 23721	38.16 0.59 -0.87	37.58 0.47 0.00	39.07 -0.22 0.00	34.86 -0.54 0.00	36.99 -0.27 0.00	34.52 -0.12 1.18	57.24 1.35 -12.23	88.91 0.66 2.04	35.42 0.55 0.84	36.52 0.58 -0.87	54.27 0.67 -19.28	56.26 1.49 -19.21	54.66 2.67 -14.70	45.71 3.38 -3.01	50.38 3.69 -1.76	74.21 5.18 -18.45	46.27 3.36 -6.12	56.98 3.91 -6.36	93.55 4.49 -44.99	106.34 5.76 -49.90	60.27 3.70 -12.68	65.75 3.23 -22.46	89.96 3.86 -37.75	68.92 3.20 -15.85
MOONROAD_115KV_HARTFLD_TB1-2 355988	34.50 -2.20 0.00	35.00 -2.12 0.00	36.93 -2.36 0.00	32.88 -2.52 0.00	34.96 -2.30 0.00	33.94 -1.88 0.00	40.97 -2.70 0.00	84.78 -5.51 0.00	33.26 -2.45 0.00	32.73 -2.34 0.00	32.03 -2.29 0.00	33.29 -2.28 0.00	35.64 -1.65 0.00	37.75 -1.56 0.00	43.43 -1.50 0.00	48.26 -2.31 0.00	34.17 -2.62 0.00	43.46 -3.24 0.00	41.20 -2.87 0.00	47.97 -2.72 0.00	41.48 -2.41 0.00	38.70 -1.35 0.00	47.21 -1.15 0.00	50.32 0.46 0.00



MORRIS_RIDGE___SOLAR 323848	33.94 -2.76 0.00	34.54 -2.58 0.00	36.45 -2.84 0.00	32.73 -2.67 0.00	35.00 -2.25 0.00	33.57 -2.25 0.00	40.48 -3.18 0.00	83.30 -6.99 0.00	32.68 -3.03 0.00	13.66 -3.10 18.31	12.90 -3.15 18.27	11.93 -3.40 20.23	34.17 -3.12 0.00	36.05 -3.26 0.00	33.62 -3.71 7.61	33.11 -4.57 12.89	30.53 -3.58 2.67	13.03 -4.21 29.47	-23.33 -3.66 63.74	37.34 -3.93 9.41	40.87 -3.02 0.00	37.46 -2.60 0.00	45.75 -2.61 0.00	48.08 -1.79 0.00
MORTIMER_115KV_TB3 55949	36.14 -0.56 0.00	36.58 -0.54 0.00	38.75 -0.54 0.00	34.80 -0.61 0.00	36.70 -0.55 0.00	35.36 -0.45 0.00	42.87 -0.79 0.00	88.53 -1.75 0.00	34.75 -0.96 0.00	33.02 -1.03 1.02	32.34 -0.96 1.02	33.48 -0.96 1.13	36.61 -0.68 0.00	38.71 -0.60 0.00	43.88 -0.64 0.42	48.61 -1.24 0.72	35.35 -1.29 0.15	43.77 -1.29 1.64	39.32 -1.19 3.55	48.86 -1.30 0.52	42.93 -0.96 0.00	39.43 -0.63 0.00	47.70 -0.66 0.00	49.38 -0.49 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	38.15 1.45 0.00	38.37 1.25 0.00	40.37 1.09 0.00	36.56 1.16 0.00	38.48 1.23 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.62 5.33 0.00	38.09 2.38 0.00	37.56 2.49 0.00	36.80 2.48 0.00	38.08 2.51 0.00	39.74 2.45 0.00	41.84 2.52 0.00	47.72 2.79 0.00	53.95 3.38 0.00	39.35 2.57 0.00	49.68 2.98 0.00	46.99 2.92 0.00	54.09 3.41 0.00	46.60 2.71 0.00	42.31 2.26 0.00	50.35 1.99 0.00	51.50 1.63 0.00
MUNSVILLE_WIND_PWR 323609	36.73 0.03 0.00	37.19 0.07 0.00	39.14 -0.15 0.00	35.22 -0.18 0.00	37.11 -0.15 0.00	35.94 0.12 0.00	44.53 0.87 0.00	93.03 2.74 0.00	36.44 0.73 0.00	36.39 0.53 -0.80	35.53 0.41 -0.79	36.71 0.27 -0.88	37.97 0.68 0.00	40.78 1.47 0.00	47.03 1.76 -0.33	52.64 1.51 -0.56	37.61 0.70 -0.12	49.29 1.31 -1.28	48.97 2.14 -2.77	52.81 1.72 -0.41	45.60 1.71 0.00	42.03 1.98 0.00	49.87 1.51 0.00	50.62 0.76 0.00
N SALMON___HYD 24042	36.40 -0.29 0.00	37.38 0.27 0.00	39.66 0.37 0.00	35.38 -0.02 0.00	37.51 0.26 0.00	64.16 -0.66 -29.00	85.36 -1.03 -42.73	151.87 -2.06 -63.64	42.11 -0.49 -6.88	34.73 -0.34 0.00	33.94 -0.38 0.00	35.26 -0.30 0.00	37.18 -0.11 0.00	39.35 0.04 0.00	44.94 0.00 0.00	49.99 -0.58 0.00	36.21 -0.57 0.00	45.88 -0.82 0.00	43.18 -0.89 0.00	49.91 -0.77 0.00	43.49 -0.40 0.00	39.84 -0.21 0.00	48.59 0.23 0.00	50.11 0.25 0.00
N.AKRON__115KV_KNAPP 355671	35.96 -0.73 0.00	36.46 -0.66 0.00	38.66 -0.63 0.00	34.63 -0.77 0.00	36.64 -0.62 0.00	35.29 -0.53 0.00	42.49 -1.17 0.00	87.32 -1.53 0.00	34.18 -1.62 2.18	31.27 -1.62 2.18	30.53 -1.62 2.41	31.56 -1.59 0.00	36.35 -0.94 0.00	38.44 -0.87 0.00	43.04 -0.99 0.91	46.84 -2.19 1.54	34.98 -1.49 0.32	40.97 -2.21 3.51	34.32 -2.15 7.60	47.33 -2.23 1.12	42.25 -1.64 0.00	39.03 -1.03 0.00	47.47 -0.89 0.00	49.34 -0.53 0.00
N.BELMOR_69_KV_BK1 55787	44.09 1.72 -5.68	38.61 1.49 0.00	40.61 1.30 -0.01	36.75 1.34 -0.01	38.81 1.54 -0.01	41.28 1.77 -3.69	65.04 2.83 -18.54	94.35 4.95 0.88	39.84 2.47 -1.66	67.00 2.64 -29.28	92.48 2.66 -55.50	82.01 2.72 -43.72	76.33 2.67 -36.37	47.94 2.79 -5.83	59.30 3.12 -11.24	80.82 3.54 -26.71	48.29 2.73 -8.77	59.00 3.18 -9.12	129.80 3.11 -82.62	132.51 3.74 -78.08	83.66 2.99 -36.78	88.82 2.62 -46.14	108.24 2.52 -57.36	85.34 2.25 -33.23
N.E_GEN_SANDY PD 24062	37.73 1.04 0.00	38.02 0.91 0.00	40.10 0.81 0.00	36.36 0.95 0.00	38.19 0.94 0.00	36.97 1.15 0.00	45.79 1.83 -0.30	93.83 3.92 0.38	37.35 1.64 0.00	36.73 1.66 0.00	35.93 1.60 0.00	37.14 1.58 0.00	38.76 1.47 0.00	40.78 1.47 0.00	46.61 1.67 0.00	52.20 2.07 0.44	38.43 1.64 0.00	47.23 1.86 1.33	45.84 1.77 0.00	52.77 2.09 0.00	45.48 1.59 0.00	41.33 1.27 0.00	49.14 1.03 0.26	50.46 0.60 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	37.85 1.15 0.00	38.11 0.99 0.00	40.12 0.83 0.00	36.28 0.87 0.00	38.21 0.96 0.00	37.02 1.21 0.00	45.70 2.04 0.00	94.72 4.43 0.00	37.70 1.99 0.00	37.17 2.10 0.00	36.41 2.08 0.00	37.62 2.06 0.00	39.27 1.98 0.00	41.37 2.05 0.00	47.19 2.25 0.00	53.33 2.76 0.00	38.89 2.10 0.00	49.13 2.43 0.00	46.50 2.43 0.00	53.58 2.90 0.00	46.14 2.25 0.00	41.91 1.85 0.00	49.97 1.61 0.00	51.13 1.26 0.00
N.QUEENS_27_KV_LOAD 356247	38.24 1.55 0.00	38.37 1.30 0.05	40.35 1.14 0.08	36.62 1.22 0.00	38.52 1.26 0.00	37.34 1.53 0.00	46.72 2.63 -0.43	97.08 5.57 -1.22	38.93 2.56 -0.66	40.54 2.71 -2.77	38.50 2.69 -1.49	38.86 2.70 -0.59	40.25 2.63 -0.33	42.00 2.69 0.00	47.84 2.90 0.00	54.18 3.60 0.00	39.46 2.67 0.00	49.80 3.10 0.00	50.11 3.25 -2.79	56.44 3.70 -2.06	47.05 2.99 -0.17	42.59 2.40 -0.14	50.79 2.16 -0.28	51.57 1.71 0.00
N.TROY___115KV_TB1 355778	37.78 1.08 0.00	38.08 0.97 0.00	40.19 0.89 0.00	36.42 1.01 0.00	38.27 1.01 0.00	37.02 1.20 0.00	45.50 1.84 0.00	94.23 3.94 0.00	37.28 1.57 0.00	36.59 1.52 0.00	35.71 1.39 0.00	36.88 1.31 0.00	38.44 1.15 0.00	40.51 1.20 0.00	46.39 1.46 0.00	52.33 1.76 0.00	38.19 1.40 0.00	48.36 1.66 0.00	45.72 1.65 0.00	52.62 1.94 0.00	45.38 1.49 0.00	41.22 1.17 0.00	49.37 1.02 0.00	50.49 0.63 0.00
NARROWS_GT1_1 24228	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT1_2 24229	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT1_3 24230	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT1_4 24231	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56



NARROWS_GT1_5 24232	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT1_6 24233	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT1_7 24234	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT1_8 24235	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT2_1 24236	55.82 1.82 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT2_2 24237	55.82 1.82 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT2_3 24238	55.82 1.82 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT2_4 24239	55.82 1.82 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT2_5 24240	55.82 1.82 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT2_6 24241	55.82 1.82 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT2_7 24242	55.82 1.82 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NARROWS_GT2_8 24243	55.82 1.82 -17.31	59.61 1.57 -20.92	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	38.02 1.33 0.00	38.32 1.20 0.00	40.47 1.19 0.00	36.70 1.30 0.00	38.54 1.28 0.00	37.30 1.48 0.00	45.85 2.19 0.00	94.92 4.63 0.00	37.68 1.97 0.00	36.92 1.85 0.00	35.77 1.45 0.00	36.71 1.15 0.00	38.29 1.00 0.00	40.23 0.91 0.00	46.14 1.20 0.00	52.11 1.54 0.00	38.22 1.44 0.00	48.62 1.92 0.00	46.02 1.95 0.00	52.99 2.31 0.00	45.75 1.86 0.00	41.52 1.46 0.00	49.62 1.26 0.00	50.69 0.82 0.00
NCHELSEA_115KV_TR2 355582	38.17 1.48 0.00	38.44 1.33 0.00	40.52 1.22 0.00	36.67 1.26 0.00	38.61 1.35 0.00	37.39 1.57 0.00	46.16 2.50 0.00	95.71 5.43 0.00	38.07 2.35 0.00	37.50 2.43 0.00	36.71 2.39 0.00	37.94 2.38 0.00	39.56 2.27 0.00	41.59 2.28 0.00	47.45 2.51 0.00	53.63 3.06 0.00	39.16 2.38 0.00	49.56 2.86 0.00	46.90 2.84 0.00	54.02 3.34 0.00	46.56 2.67 0.00	42.29 2.23 0.00	50.39 2.04 0.00	51.54 1.67 0.00
NEG CAPITAL___MECHNVIL 23645	38.60 1.90 0.00	38.85 1.74 0.00	40.57 1.28 0.00	36.79 1.39 0.00	39.08 1.82 0.00	37.81 2.00 0.00	46.54 2.88 0.00	96.42 6.13 0.00	38.10 2.39 0.00	37.35 2.28 0.00	36.41 2.09 0.00	37.52 1.96 0.00	39.09 1.80 0.00	41.29 1.97 0.00	47.35 2.41 0.00	53.38 2.81 0.00	38.89 2.11 0.00	49.32 2.62 0.00	46.71 2.64 0.00	53.83 3.14 0.00	46.45 2.55 0.00	42.13 2.08 0.00	50.47 2.11 0.00	51.59 1.72 0.00



NEG CENTRAL_HIGH_ACRES 23767	35.71 -0.99 0.00	36.12 -1.00 0.00	38.24 -1.05 0.00	34.37 -1.03 0.00	36.25 -1.01 0.00	34.92 -0.90 0.00	42.41 -1.25 0.00	87.60 -2.69 0.00	34.40 -1.31 0.00	33.20 -1.38 0.49	32.52 -1.31 0.49	33.70 -1.32 0.54	36.14 -1.15 0.00	38.22 -1.09 0.00	43.53 -1.21 0.20	48.46 -1.76 0.35	35.09 -1.62 0.07	44.17 -1.74 0.79	40.79 -1.57 1.71	48.61 -1.82 0.25	42.45 -1.44 0.00	38.92 -1.14 0.00	47.02 -1.34 0.00	48.66 -1.21 0.00
NEG CENTRAL___DRP 24199	36.49 -0.20 0.00	36.87 -0.25 0.00	38.97 -0.33 0.00	35.05 -0.35 0.00	36.99 -0.26 0.00	35.67 -0.15 0.00	43.54 -0.12 0.00	90.01 -0.27 0.00	35.39 -0.32 0.00	35.81 -0.42 -1.16	35.02 -0.46 -1.16	36.36 -0.49 -1.28	36.94 -0.35 0.00	38.96 -0.35 0.00	45.01 -0.41 -0.48	50.81 -0.57 -0.82	36.31 -0.65 -0.17	47.97 -0.60 -1.87	47.62 -0.49 -4.04	50.91 -0.36 -0.60	43.76 -0.13 0.00	39.93 -0.12 0.00	48.12 -0.24 0.00	49.76 -0.11 0.00
NEG CENTRAL___INDECK 23768	38.32 1.63 0.00	38.69 1.58 0.00	40.98 1.69 0.00	36.76 1.36 0.00	38.86 1.61 0.00	37.57 1.75 0.00	46.12 2.46 0.00	95.36 5.07 0.00	37.06 1.36 0.00	34.77 0.72 1.02	34.32 1.01 1.02	34.79 0.35 1.13	38.07 0.77 0.00	40.15 0.84 0.00	45.41 0.89 0.42	50.30 0.45 0.72	36.36 -0.28 0.15	45.40 0.34 1.64	41.26 0.74 3.54	52.10 1.94 0.52	46.08 2.19 0.00	42.26 2.20 0.00	50.84 2.49 0.00	52.40 2.54 0.00
NEG CENTRAL___SENECA 23627	36.37 -0.32 0.00	36.75 -0.37 0.00	38.82 -0.47 0.00	34.89 -0.52 0.00	36.91 -0.35 0.00	35.60 -0.22 0.00	43.45 -0.21 0.00	89.83 -0.45 0.00	35.31 -0.40 0.00	36.44 -0.50 -1.87	35.62 -0.57 -1.86	37.07 -0.56 -2.06	36.91 -0.38 0.00	38.92 -0.39 0.00	45.26 -0.46 -0.78	51.16 -0.72 -1.31	36.25 -0.81 -0.27	48.94 -0.76 -3.00	49.94 -0.63 -6.50	51.22 -0.42 -0.96	43.76 -0.13 0.00	39.94 -0.11 0.00	48.08 -0.27 0.00	49.80 -0.07 0.00
NEG CENTRAL___STATE_STREET 24147	36.90 0.21 0.00	37.32 0.20 0.00	39.44 0.14 0.00	35.52 0.12 0.00	37.33 0.07 0.00	35.96 0.14 0.00	43.88 0.22 0.00	90.73 0.44 0.00	35.65 -0.06 0.00	34.94 -0.13 0.00	34.11 -0.21 0.00	35.35 -0.22 0.00	37.15 -0.14 0.00	39.21 -0.11 0.00	44.79 -0.15 0.00	50.40 -0.16 0.00	36.51 -0.27 0.00	46.54 -0.16 0.00	44.06 -0.01 0.00	50.70 0.02 0.00	44.07 0.18 0.00	40.29 0.23 0.00	48.59 0.23 0.00	50.14 0.27 0.00
NEG MILLWOOD___DRP 24198	38.28 1.59 0.00	38.54 1.42 0.00	40.59 1.30 0.00	36.74 1.34 0.00	38.68 1.43 0.00	37.50 1.68 0.00	46.32 2.66 0.00	96.07 5.79 0.00	38.21 2.50 0.00	37.65 2.59 0.00	36.86 2.54 0.00	38.11 2.55 0.00	39.77 2.48 0.00	41.81 2.50 0.00	47.69 2.75 0.00	53.89 3.32 0.00	39.31 2.52 0.00	49.72 3.02 0.00	47.08 3.01 0.00	54.22 3.53 0.00	46.72 2.83 0.00	42.41 2.36 0.00	50.52 2.17 0.00	51.63 1.77 0.00
NEG NORTH_FLCN_SEA 23793	36.42 -0.28 0.00	37.41 0.30 0.00	39.78 0.49 0.00	35.42 0.02 0.00	37.54 0.29 0.00	-6.08 -0.83 41.07	-18.23 -1.38 60.51	-2.85 -3.03 90.10	25.16 -0.81 9.74	34.69 -0.38 0.00	34.01 -0.31 0.00	35.43 -0.13 0.00	37.30 0.00 0.00	39.52 0.21 0.00	45.34 0.40 0.00	50.35 -0.22 0.00	36.49 -0.30 0.00	46.01 -0.69 0.00	43.27 -0.80 0.00	49.91 -0.77 0.00	43.53 -0.36 0.00	39.87 -0.18 0.00	48.72 0.36 0.00	50.28 0.41 0.00
NEG NORTH_KES_CHATEGAY 23792	36.00 -0.69 0.00	37.09 -0.03 0.00	39.37 0.08 0.00	35.07 -0.34 0.00	37.26 0.00 0.00	-10.02 -1.14 44.70	-23.89 -1.69 65.85	-11.29 -3.51 98.07	24.10 -1.01 10.60	34.31 -0.76 0.00	33.60 -0.73 0.00	34.98 -0.59 0.00	36.85 -0.45 0.00	39.02 -0.29 0.00	44.72 -0.22 0.00	49.70 -0.87 0.00	36.05 -0.73 0.00	45.57 -1.13 0.00	42.81 -1.26 0.00	49.35 -1.33 0.00	43.00 -0.89 0.00	39.41 -0.64 0.00	48.16 -0.19 0.00	49.70 -0.17 0.00
NEG NORTH___ALICE_FALLS 23915	36.63 -0.06 0.00	37.61 0.50 0.00	39.99 0.70 0.00	35.62 0.21 0.00	37.76 0.51 0.00	-5.81 -0.56 41.07	-17.85 -1.01 60.51	-1.97 -2.15 90.10	25.48 -0.49 9.74	34.94 -0.13 0.00	34.19 -0.13 0.00	35.61 0.04 0.00	37.47 0.17 0.00	39.71 0.39 0.00	45.52 0.58 0.00	50.46 -0.11 0.00	36.56 -0.22 0.00	46.13 -0.57 0.00	43.42 -0.64 0.00	50.19 -0.50 0.00	43.81 -0.08 0.00	40.11 0.05 0.00	48.97 0.61 0.00	50.50 0.64 0.00
NEG NORTH___LWR_SARANAC 23913	36.63 -0.06 0.00	37.61 0.50 0.00	39.99 0.70 0.00	35.62 0.21 0.00	37.76 0.51 0.00	-5.81 -0.56 41.07	-17.85 -1.01 60.51	-1.97 -2.15 90.10	25.48 -0.49 9.74	34.94 -0.13 0.00	34.19 -0.13 0.00	35.61 0.04 0.00	37.47 0.17 0.00	39.71 0.39 0.00	45.52 0.58 0.00	50.46 -0.11 0.00	36.56 -0.22 0.00	46.13 -0.57 0.00	43.42 -0.64 0.00	50.19 -0.50 0.00	43.81 -0.08 0.00	40.11 0.05 0.00	48.97 0.61 0.00	50.50 0.64 0.00
NEG NORTH___PLATTSBURG 23628	36.63 -0.06 0.00	37.61 0.50 0.00	39.99 0.70 0.00	35.62 0.21 0.00	37.76 0.51 0.00	-5.81 -0.56 41.07	-17.86 -1.02 60.51	-1.96 -2.15 90.10	25.48 -0.49 9.74	34.94 -0.13 0.00	34.19 -0.13 0.00	35.61 0.04 0.00	37.46 0.17 0.00	39.71 0.39 0.00	45.52 0.58 0.00	50.46 -0.11 0.00	36.56 -0.22 0.00	46.13 -0.57 0.00	43.42 -0.65 0.00	50.18 -0.50 0.00	43.81 -0.08 0.00	40.10 0.05 0.00	48.97 0.61 0.00	50.50 0.63 0.00
NEG WEST_LEA_LOCKPORT 23791	35.12 -1.58 0.00	35.65 -1.47 0.00	37.81 -1.48 0.00	33.88 -1.52 0.00	35.86 -1.40 0.00	34.47 -1.34 0.00	41.31 -2.35 0.00	84.72 -5.57 0.00	33.22 -2.49 0.00	29.67 -2.59 2.82	29.09 -2.42 2.81	30.06 -2.40 3.11	35.46 -1.83 0.00	37.59 -1.72 0.00	41.91 -1.85 1.17	45.50 -3.09 1.98	33.63 -2.75 0.41	38.90 -3.27 4.54	31.05 -3.21 9.81	45.64 -3.59 1.45	41.06 -2.83 0.00	38.02 -2.03 0.00	46.38 -1.98 0.00	48.36 -1.51 0.00
NEG WEST___LANCASTR 23811	35.57 -1.13 0.00	36.05 -1.07 0.00	38.17 -1.12 0.00	34.19 -1.22 0.00	36.13 -1.13 0.00	34.83 -0.98 0.00	42.03 -1.63 0.00	86.86 -3.42 0.00	34.14 -1.57 0.00	32.32 -1.69 1.05	31.68 -1.59 1.05	32.82 -1.58 1.16	36.31 -0.98 0.00	38.47 -0.84 0.00	43.58 -0.92 0.44	48.05 -1.77 0.74	34.82 -1.81 0.15	42.88 -2.12 1.70	38.24 -2.16 3.67	47.90 -2.24 0.54	42.18 -1.71 0.00	38.97 -1.08 0.00	47.28 -1.08 0.00	49.23 -0.63 0.00
NEG_PENN_ALLEGHNY 23528	36.54 -0.15 0.00	36.92 -0.19 0.00	39.00 -0.29 0.00	35.10 -0.30 0.00	37.03 -0.22 0.00	35.75 -0.07 0.00	43.75 0.09 0.00	90.78 0.50 0.00	35.75 0.04 0.00	35.70 0.02 -0.61	34.89 -0.05 -0.61	36.19 -0.05 -0.67	37.43 0.14 0.00	39.44 0.13 0.00	45.40 0.20 -0.25	51.15 0.15 -0.43	36.78 -0.09 -0.09	47.68 -0.01 -0.98	46.33 0.14 -2.12	51.20 0.20 -0.31	44.08 0.19 0.00	40.28 0.22 0.00	48.43 0.07 0.00	49.96 0.09 0.00
NEG___GEN_MONROE 24207	36.43 -0.26 0.00	36.85 -0.27 0.00	38.98 -0.31 0.00	34.99 -0.41 0.00	36.96 -0.30 0.00	35.64 -0.17 0.00	43.26 -0.40 0.00	89.05 -1.23 0.00	34.91 -0.80 0.00	33.10 -0.89 1.08	32.39 -0.85 1.08	33.47 -0.90 1.19	36.79 -0.50 0.00	38.91 -0.40 0.00	44.08 -0.41 0.45	48.64 -1.17 0.76	35.41 -1.21 0.16	43.72 -1.25 1.73	39.20 -1.12 3.75	49.04 -1.09 0.55	43.17 -0.72 0.00	39.66 -0.40 0.00	47.99 -0.36 0.00	49.69 -0.17 0.00



NEPA___ENERGY 23901	35.44 -1.26 0.00	35.92 -1.20 0.00	37.88 -1.41 0.00	33.77 -1.63 0.00	35.86 -1.40 0.00	34.67 -1.15 0.00	42.10 -1.56 0.00	87.51 -2.78 0.00	34.37 -1.34 0.00	32.73 -1.32 1.02	31.96 -1.35 1.02	33.09 -1.35 1.13	36.59 -0.70 0.00	38.60 -0.72 0.00	43.97 -0.55 0.42	48.68 -1.17 0.72	35.06 -1.58 0.15	43.28 -1.78 1.64	38.92 -1.60 3.55	48.56 -1.60 0.52	42.53 -1.36 0.00	39.40 -0.66 0.00	47.61 -0.75 0.00	49.92 0.05 0.00
NEVERSink___HYD 23608	38.72 2.02 0.00	39.01 1.89 0.00	41.15 1.87 0.00	37.20 1.80 0.00	39.20 1.95 0.00	37.95 2.13 0.00	46.81 3.14 0.00	96.96 6.67 0.00	38.54 2.83 0.00	37.94 2.88 0.00	37.14 2.82 0.00	38.35 2.79 0.00	39.89 2.59 0.00	41.78 2.47 0.00	47.77 2.84 0.00	53.92 3.35 0.00	39.45 2.67 0.00	50.08 3.38 0.00	47.39 3.32 0.00	54.58 3.89 0.00	47.04 3.15 0.00	42.72 2.66 0.00	50.97 2.61 0.00	52.13 2.27 0.00
NEWKRMKL_115KV_TB1 55635	37.22 0.52 0.00	37.50 0.38 0.00	39.59 0.30 0.00	35.91 0.51 0.00	37.73 0.47 0.00	36.48 0.66 0.00	44.76 1.10 0.00	92.75 2.46 0.00	36.75 1.04 0.00	36.12 1.06 0.00	35.26 0.93 0.00	36.43 0.86 0.00	37.99 0.70 0.00	39.97 0.66 0.00	45.75 0.81 0.00	51.62 1.05 0.00	37.76 0.97 0.00	47.82 1.12 0.00	45.18 1.11 0.00	51.88 1.19 0.00	44.77 0.88 0.00	40.65 0.60 0.00	48.64 0.29 0.00	49.75 -0.11 0.00
NEWTON___FALLS_HYD 23847	35.35 -1.35 0.00	36.01 -1.11 0.00	38.16 -1.13 0.00	34.31 -1.09 0.00	36.29 -0.96 0.00	39.51 -0.92 -4.61	48.87 -1.59 -6.79	97.10 -3.32 -10.13	35.57 -1.24 -1.10	33.51 -1.56 0.00	32.78 -1.54 0.00	34.07 -1.49 0.00	35.38 -1.92 0.00	37.43 -1.88 0.00	42.63 -2.31 0.00	48.23 -2.34 0.00	35.34 -1.45 0.00	44.90 -1.80 0.00	42.32 -1.75 0.00	48.66 -2.02 0.00	42.38 -1.51 0.00	38.67 -1.38 0.00	47.47 -0.88 0.00	49.26 -0.60 0.00
NGRID_A1_DSASP 323792	34.70 -2.00 0.00	35.23 -1.89 0.00	37.40 -1.89 0.00	33.52 -1.89 0.00	35.40 -1.86 0.00	34.02 -1.80 0.00	40.74 -2.92 0.00	83.71 -6.57 0.00	32.94 -2.77 0.00	30.01 -2.88 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.84 -3.19 1.54	33.53 -2.94 0.32	39.69 -3.49 3.52	33.03 -3.43 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.83 -2.53 0.00	47.77 -2.10 0.00
NGRID_A2_DSASP 323793	34.70 -2.00 0.00	35.23 -1.89 0.00	37.40 -1.89 0.00	33.52 -1.89 0.00	35.40 -1.86 0.00	34.02 -1.80 0.00	40.74 -2.92 0.00	83.71 -6.57 0.00	32.94 -2.77 0.00	30.01 -2.88 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.84 -3.19 1.54	33.53 -2.94 0.32	39.69 -3.49 3.52	33.03 -3.43 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.83 -2.53 0.00	47.77 -2.10 0.00
NGRID_A4_DSASP 323807	34.70 -2.00 0.00	35.23 -1.89 0.00	37.40 -1.89 0.00	33.52 -1.89 0.00	35.40 -1.86 0.00	34.02 -1.80 0.00	40.74 -2.92 0.00	83.71 -6.57 0.00	32.94 -2.77 0.00	30.01 -2.88 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.84 -3.19 1.54	33.53 -2.94 0.32	39.69 -3.49 3.52	33.03 -3.43 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.83 -2.53 0.00	47.77 -2.10 0.00
NIAGARA_115E_LBMP 323715	34.92 -1.77 0.00	35.44 -1.68 0.00	37.61 -1.68 0.00	33.71 -1.69 0.00	35.63 -1.63 0.00	34.25 -1.57 0.00	40.98 -2.68 0.00	83.79 -6.50 0.00	32.79 -2.92 0.00	29.84 -3.03 2.20	29.33 -2.80 2.19	30.35 -2.79 2.43	35.16 -2.13 0.00	37.31 -2.00 0.00	41.86 -2.16 0.91	45.47 -3.55 1.55	33.33 -3.14 0.32	39.39 -3.77 3.54	32.72 -3.70 7.65	45.30 -4.25 1.13	40.50 -3.39 0.00	37.56 -2.50 0.00	45.91 -2.45 0.00	47.82 -2.05 0.00
NIAGARA_115W_LBMP 323714	34.60 -2.10 0.00	35.13 -1.99 0.00	37.29 -2.00 0.00	33.42 -1.99 0.00	35.29 -1.97 0.00	33.92 -1.89 0.00	40.61 -3.05 0.00	83.45 -6.84 0.00	32.83 -2.88 0.00	29.88 -2.99 2.20	29.47 -2.65 2.20	30.51 -2.62 2.43	35.25 -2.04 0.00	37.42 -1.89 0.00	42.06 -1.97 0.91	45.69 -3.33 1.55	33.42 -3.04 0.32	39.53 -3.63 3.54	32.84 -3.57 7.66	45.36 -4.19 1.13	40.52 -3.37 0.00	37.54 -2.51 0.00	45.70 -2.66 0.00	47.62 -2.24 0.00
NIAGARA_230_LBMP 323716	34.92 -1.78 0.00	35.44 -1.67 0.00	37.62 -1.67 0.00	33.71 -1.70 0.00	35.59 -1.66 0.00	34.22 -1.60 0.00	41.03 -2.63 0.00	84.35 -5.93 0.00	33.17 -2.54 0.00	30.15 -2.63 2.29	29.62 -2.42 2.28	30.68 -2.35 2.53	35.40 -1.89 0.00	37.58 -1.74 0.00	42.17 -1.82 0.95	46.06 -2.90 1.61	33.77 -2.68 0.33	39.85 -3.17 3.68	33.01 -3.10 7.96	45.80 -3.70 1.18	40.94 -2.95 0.00	37.91 -2.15 0.00	46.14 -2.22 0.00	48.07 -1.80 0.00
NIAGARA___115KV_198_GIBSON 55903	34.60 -2.10 0.00	35.13 -1.99 0.00	37.29 -2.00 0.00	33.42 -1.99 0.00	35.29 -1.97 0.00	33.92 -1.90 0.00	40.60 -3.06 0.00	83.46 -6.83 0.00	32.83 -2.88 0.00	29.86 -3.01 2.20	29.47 -2.66 2.20	30.51 -2.62 2.43	35.25 -2.04 0.00	37.42 -1.90 0.00	42.05 -1.97 0.91	45.68 -3.34 1.55	33.40 -3.07 0.32	39.52 -3.64 3.54	32.75 -3.66 7.66	45.35 -4.21 1.13	40.53 -3.36 0.00	37.54 -2.52 0.00	45.70 -2.66 0.00	47.63 -2.23 0.00
NIAGARA___ 23760	34.92 -1.78 0.00	35.44 -1.67 0.00	37.62 -1.67 0.00	33.71 -1.70 0.00	35.59 -1.66 0.00	34.22 -1.60 0.00	41.03 -2.63 0.00	84.35 -5.93 0.00	33.17 -2.54 0.00	30.22 -2.63 2.22	29.70 -2.42 2.20	30.77 -2.35 2.44	35.40 -1.89 0.00	37.58 -1.74 0.00	42.21 -1.82 0.91	46.11 -2.90 1.56	33.78 -2.68 0.32	39.94 -3.17 3.60	33.20 -3.10 7.78	45.83 -3.70 1.15	40.94 -2.95 0.00	37.91 -2.15 0.00	46.14 -2.22 0.00	48.07 -1.80 0.00
NINE_MILE_1 23575	35.90 -0.79 0.00	36.30 -0.81 0.00	38.41 -0.88 0.00	34.61 -0.79 0.00	36.44 -0.82 0.00	35.06 -0.76 0.00	42.66 -1.00 0.00	88.06 -2.22 0.00	34.69 -1.02 0.00	34.02 -1.05 0.00	33.27 -1.06 0.00	34.47 -1.10 0.00	36.18 -1.11 0.00	38.17 -1.15 0.00	43.63 -1.30 0.00	49.15 -1.42 0.00	35.73 -1.06 0.00	45.38 -1.32 0.00	42.89 -1.18 0.00	49.32 -1.36 0.00	42.74 -1.15 0.00	39.03 -1.03 0.00	47.17 -1.19 0.00	48.74 -1.13 0.00
NINE_MILE_2 23744	35.90 -0.79 0.00	36.30 -0.81 0.00	38.41 -0.88 0.00	34.61 -0.79 0.00	36.44 -0.82 0.00	35.06 -0.76 0.00	42.66 -1.00 0.00	88.06 -2.22 0.00	34.69 -1.03 0.00	34.02 -1.05 0.00	33.26 -1.06 0.00	34.47 -1.10 0.00	36.18 -1.12 0.00	38.17 -1.15 0.00	43.62 -1.32 0.00	49.15 -1.42 0.00	35.72 -1.06 0.00	45.38 -1.32 0.00	42.89 -1.18 0.00	49.32 -1.36 0.00	42.73 -1.16 0.00	39.02 -1.03 0.00	47.16 -1.20 0.00	48.74 -1.13 0.00
NM_CAPITAL___DRP 24208	37.28 0.59 0.00	37.57 0.46 0.00	39.65 0.36 0.00	35.98 0.57 0.00	37.79 0.53 0.00	36.54 0.72 0.00	44.84 1.18 0.00	93.00 2.72 0.00	36.85 1.14 0.00	36.22 1.15 0.00	35.36 1.04 0.00	36.54 0.97 0.00	38.11 0.82 0.00	40.11 0.79 0.00	45.89 0.95 0.00	51.73 1.16 0.00	37.82 1.03 0.00	47.92 1.22 0.00	45.24 1.17 0.00	51.94 1.26 0.00	44.81 0.92 0.00	40.71 0.65 0.00	48.69 0.34 0.00	49.80 -0.07 0.00



NM_CENTRAL___DRP 24181	36.54 -0.15 0.00	36.93 -0.19 0.00	39.05 -0.24 0.00	35.18 -0.23 0.00	37.06 -0.19 0.00	35.72 -0.10 0.00	43.55 -0.11 0.00	90.03 -0.26 0.00	35.39 -0.32 0.00	34.68 -0.39 0.00	33.92 -0.40 0.00	35.13 -0.43 0.00	36.90 -0.39 0.00	38.93 -0.38 0.00	44.51 -0.43 0.00	50.10 -0.47 0.00	36.38 -0.41 0.00	46.24 -0.46 0.00	43.74 -0.33 0.00	50.30 -0.39 0.00	43.58 -0.31 0.00	39.78 -0.28 0.00	47.99 -0.37 0.00	49.54 -0.32 0.00
NM_FRONTIER___DRP 24179	34.60 -2.10 0.00	35.13 -1.99 0.00	37.29 -2.00 0.00	33.42 -1.99 0.00	35.29 -1.97 0.00	33.92 -1.90 0.00	40.60 -3.06 0.00	83.46 -6.83 0.00	32.83 -2.88 0.00	29.86 -3.01 2.20	29.47 -2.66 2.20	30.51 -2.62 2.43	35.25 -2.04 0.00	37.42 -1.90 0.00	42.05 -1.97 0.91	45.68 -3.34 1.55	33.40 -3.07 0.32	39.52 -3.64 3.54	32.75 -3.66 7.66	45.35 -4.21 1.13	40.53 -3.36 0.00	37.54 -2.52 0.00	45.70 -2.66 0.00	47.63 -2.23 0.00
NM_ST_REGIS___HYD 24053	36.15 -0.55 0.00	36.89 -0.22 0.00	39.15 -0.14 0.00	35.05 -0.36 0.00	37.03 -0.22 0.00	46.49 -0.68 -11.35	59.26 -1.13 -16.73	112.92 -2.29 -24.92	37.71 -0.70 -2.70	34.34 -0.73 0.00	33.61 -0.72 0.00	34.98 -0.58 0.00	36.70 -0.59 0.00	38.82 -0.49 0.00	44.20 -0.74 0.00	49.40 -1.17 0.00	35.90 -0.89 0.00	45.58 -1.12 0.00	42.87 -1.20 0.00	49.56 -1.12 0.00	43.15 -0.74 0.00	39.47 -0.58 0.00	48.20 -0.16 0.00	49.84 -0.02 0.00
NORTHPORT___1 23551	38.62 1.20 -0.73	38.14 1.03 0.00	40.12 0.83 0.00	36.31 0.91 0.00	38.40 1.15 0.00	35.76 1.27 1.32	58.08 2.35 -12.07	91.87 3.57 1.99	36.77 1.91 0.85	37.34 1.98 -0.29	54.74 2.07 -18.34	56.25 2.15 -18.54	53.47 2.09 -14.09	44.44 2.21 -2.92	48.80 2.39 -1.48	71.63 2.87 -18.19	45.03 2.21 -6.04	55.39 2.42 -6.28	90.69 2.54 -44.08	102.75 3.12 -48.95	57.99 2.33 -11.77	63.68 2.08 -21.55	87.31 1.97 -36.98	66.87 1.84 -15.18
NORTHPORT___2 23552	38.62 1.20 -0.73	38.14 1.03 0.00	40.12 0.83 0.00	36.31 0.91 0.00	38.40 1.15 0.00	35.76 1.27 1.32	58.08 2.35 -12.07	91.87 3.57 1.99	36.77 1.91 0.85	37.34 1.98 -0.29	54.74 2.07 -18.34	56.25 2.15 -18.54	53.47 2.09 -14.09	44.44 2.21 -2.92	48.80 2.39 -1.48	71.63 2.87 -18.19	45.03 2.21 -6.04	55.39 2.42 -6.28	90.69 2.54 -44.08	102.75 3.12 -48.95	57.99 2.33 -11.77	63.68 2.08 -21.55	87.31 1.97 -36.98	66.87 1.84 -15.18
NORTHPORT___3 23553	39.00 1.49 -0.82	38.41 1.29 0.00	40.40 1.11 0.00	36.57 1.17 0.00	38.64 1.39 0.00	36.13 1.56 1.25	58.61 2.68 -12.27	92.77 4.55 2.08	37.09 2.24 0.87	37.96 2.34 -0.55	55.72 2.38 -19.03	57.11 2.45 -19.10	54.29 2.42 -14.58	44.85 2.54 -3.00	49.38 2.79 -1.66	72.37 3.29 -18.52	45.45 2.52 -6.14	55.93 2.84 -6.39	91.93 2.93 -44.93	103.96 3.54 -49.73	58.88 2.72 -12.27	64.58 2.39 -22.14	88.32 2.31 -37.65	67.59 2.11 -15.61
NORTHPORT___4 23650	39.00 1.49 -0.82	38.41 1.29 0.00	40.40 1.11 0.00	36.57 1.17 0.00	38.64 1.39 0.00	36.13 1.56 1.25	58.61 2.68 -12.27	92.77 4.55 2.08	37.09 2.24 0.87	37.96 2.34 -0.55	55.72 2.38 -19.03	57.11 2.45 -19.10	54.29 2.42 -14.58	44.85 2.54 -3.00	49.38 2.79 -1.66	72.37 3.29 -18.52	45.45 2.52 -6.14	55.93 2.84 -6.39	91.93 2.93 -44.93	103.96 3.54 -49.73	58.88 2.72 -12.27	64.58 2.39 -22.14	88.32 2.31 -37.65	67.59 2.11 -15.61
NORTHPORT___IC 23718	38.62 1.20 -0.73	38.14 1.02 0.00	40.12 0.84 0.00	36.31 0.91 0.00	38.40 1.15 0.00	35.78 1.28 1.32	58.08 2.34 -12.07	91.92 3.62 1.99	36.77 1.91 0.85	37.33 1.97 -0.29	54.73 2.06 -18.34	56.24 2.14 -18.54	53.45 2.07 -14.09	44.43 2.20 -2.92	48.80 2.39 -1.48	71.64 2.87 -18.19	45.03 2.21 -6.04	55.39 2.42 -6.28	90.71 2.55 -44.08	102.76 3.12 -48.95	57.99 2.33 -11.77	63.66 2.06 -21.55	87.29 1.95 -36.98	66.86 1.82 -15.18
NORTH___COUNTRY_ESR 323785	36.00 -0.69 0.00	37.08 -0.03 0.00	39.37 0.08 0.00	35.07 -0.34 0.00	37.26 0.00 0.00	-10.02 -1.14 44.70	-23.89 -1.70 65.85	-11.29 -3.51 98.07	24.10 -1.01 10.60	34.31 -0.76 0.00	33.60 -0.72 0.00	34.98 -0.59 0.00	36.85 -0.44 0.00	39.02 -0.29 0.00	44.72 -0.22 0.00	49.71 -0.87 0.00	36.05 -0.74 0.00	45.57 -1.13 0.00	42.81 -1.26 0.00	49.35 -1.33 0.00	43.00 -0.89 0.00	39.41 -0.64 0.00	48.17 -0.19 0.00	49.70 -0.17 0.00
NPX_GEN_1385_PROXY 323591	38.34 0.92 -0.73	38.03 0.92 0.00	40.01 0.72 0.00	36.21 0.81 0.00	38.34 1.08 0.00	34.61 0.92 2.13	57.95 2.22 -12.07	91.39 3.09 1.99	36.68 1.81 0.85	36.88 1.52 -0.29	54.16 1.50 -18.34	55.78 1.68 -18.54	52.72 1.34 -14.09	43.80 1.56 -2.92	48.53 2.12 -1.48	70.98 2.22 -18.19	44.81 1.98 -6.04	54.65 1.67 -6.28	89.89 1.74 -44.08	53.18 1.94 -0.56	51.57 1.32 -6.36	62.89 1.29 -21.55	86.29 0.95 -36.98	66.31 1.26 -15.18
NPX_GEN_CSC 323557	38.38 0.82 -0.86	37.70 0.59 0.00	39.57 0.29 0.00	35.79 0.39 0.00	38.08 0.82 0.00	34.66 0.83 1.99	58.35 2.47 -12.22	90.95 2.71 2.05	36.17 1.30 0.84	37.15 1.26 -0.82	54.84 1.29 -19.22	56.17 1.44 -19.17	53.68 1.72 -14.67	44.24 1.92 -3.00	48.71 2.03 -1.74	72.50 3.49 -18.44	45.04 2.14 -6.12	55.29 2.23 -6.36	91.91 2.91 -44.93	104.47 3.92 -49.86	59.01 2.47 -12.65	64.70 2.21 -22.43	88.96 2.88 -37.72	67.92 2.22 -15.83
NSINS_S___GLNS_FALLS 23858	39.08 2.38 0.00	39.44 2.33 0.00	41.80 2.51 0.00	37.84 2.44 0.00	39.68 2.42 0.00	38.42 2.60 0.00	47.43 3.77 0.00	98.18 7.90 0.00	38.76 3.05 0.00	37.98 2.91 0.00	37.07 2.75 0.00	38.18 2.62 0.00	39.77 2.48 0.00	42.00 2.69 0.00	48.11 3.17 0.00	54.25 3.68 0.00	39.42 2.63 0.00	49.85 3.15 0.00	47.48 3.41 0.00	54.72 4.04 0.00	47.18 3.28 0.00	42.88 2.83 0.00	51.38 3.02 0.00	52.42 2.56 0.00
NUCOR_STEEL___DRP 24197	36.91 0.22 0.00	37.32 0.21 0.00	39.44 0.15 0.00	35.54 0.14 0.00	37.32 0.06 0.00	35.94 0.12 0.00	43.85 0.19 0.00	90.65 0.36 0.00	35.64 -0.07 0.00	34.91 -0.16 0.00	34.10 -0.22 0.00	35.34 -0.22 0.00	37.13 -0.16 0.00	39.19 -0.13 0.00	44.76 -0.17 0.00	50.39 -0.17 0.00	36.51 -0.28 0.00	46.53 -0.17 0.00	44.04 -0.03 0.00	50.68 0.00 0.00	44.03 0.14 0.00	40.27 0.21 0.00	48.59 0.23 0.00	50.11 0.24 0.00
NUMBER_THREE_WT_PWR 323818	35.35 -1.34 0.00	36.13 -0.98 0.00	38.20 -1.09 0.00	34.41 -0.99 0.00	36.46 -0.79 0.00	37.39 -0.46 -2.03	45.40 -1.25 -2.99	92.12 -2.63 -4.47	35.24 -0.96 -0.49	33.52 -1.55 0.00	32.80 -1.52 0.00	33.98 -1.58 0.00	35.13 -2.16 0.00	37.05 -2.26 0.00	42.32 -2.62 0.00	48.68 -1.89 0.00	35.97 -0.81 0.00	45.73 -0.97 0.00	43.03 -1.04 0.00	48.89 -1.79 0.00	42.56 -1.33 0.00	38.81 -1.25 0.00	47.94 -0.42 0.00	49.94 0.07 0.00
NYISO_LBMP_REFERENCE 24008	36.69 0.00 0.00	37.11 0.00 0.00	39.29 0.00 0.00	35.40 0.00 0.00	37.26 0.00 0.00	35.82 0.00 0.00	43.66 0.00 0.00	90.29 0.00 0.00	35.71 0.00 0.00	35.07 0.00 0.00	34.32 0.00 0.00	35.56 0.00 0.00	37.29 0.00 0.00	39.31 0.00 0.00	44.94 0.00 0.00	50.57 0.00 0.00	36.79 0.00 0.00	46.70 0.00 0.00	44.07 0.00 0.00	50.68 0.00 0.00	43.89 0.00 0.00	40.06 0.00 0.00	48.36 0.00 0.00	49.87 0.00 0.00



NYPA_BRENTWD____GT 24164	39.69 1.77 -1.23	38.59 1.48 0.00	40.61 1.33 0.00	36.75 1.35 0.00	38.87 1.62 0.00	36.78 1.77 0.81	59.38 3.01 -12.72	93.60 5.21 1.90	37.54 2.49 0.66	40.57 2.51 -2.99	58.95 2.60 -22.03	59.34 2.69 -21.08	56.21 2.57 -16.35	45.36 2.82 -3.22	50.41 3.01 -2.47	73.16 3.49 -19.10	45.92 2.81 -6.33	56.47 3.19 -6.58	95.11 3.24 -47.81	106.14 4.00 -51.46	60.91 3.04 -13.99	66.49 2.69 -23.74	89.89 2.70 -38.83	69.10 2.44 -16.80
NYPA_GOWANUS____GT5 24156	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NYPA_GOWANUS____GT6 24157	55.82 1.82 -17.31	59.57 1.57 -20.88	59.88 1.45 -19.15	54.34 1.48 -17.45	53.09 1.61 -14.24	55.01 1.84 -17.35	55.94 2.91 -9.37	104.67 6.18 -8.21	57.06 2.80 -18.55	57.07 2.94 -19.06	56.92 2.92 -19.68	55.38 2.95 -16.87	55.36 2.93 -15.13	55.16 3.06 -12.78	57.96 3.35 -9.68	58.83 3.98 -4.28	55.36 2.98 -15.59	59.58 3.45 -9.42	56.59 3.40 -9.13	62.56 3.85 -8.02	60.64 3.15 -13.60	59.43 2.65 -16.73	56.47 2.45 -5.66	59.52 2.09 -7.56
NYPA_HARLEM__RVR__GT1 24160	38.19 1.50 0.00	38.31 1.25 0.05	40.31 1.09 0.08	36.59 1.19 0.00	38.47 1.21 0.00	37.28 1.47 0.00	46.15 2.49 0.00	95.62 5.34 0.00	38.17 2.45 0.00	37.66 2.59 -0.01	36.93 2.59 -0.01	38.15 2.58 -0.01	39.81 2.51 0.00	41.91 2.59 -0.01	47.73 2.80 0.00	54.05 3.48 0.00	39.37 2.58 0.00	49.69 2.99 0.00	47.04 2.97 0.00	54.10 3.41 0.00	46.74 2.84 0.00	42.36 2.30 0.00	50.40 2.04 0.00	51.46 1.60 0.00
NYPA_HARLEM__RVR__GT2 24161	38.19 1.50 0.00	38.31 1.25 0.05	40.31 1.09 0.08	36.59 1.19 0.00	38.47 1.21 0.00	37.28 1.47 0.00	46.15 2.49 0.00	95.62 5.34 0.00	38.17 2.45 0.00	37.66 2.59 -0.01	36.93 2.59 -0.01	38.15 2.58 -0.01	39.81 2.51 0.00	41.91 2.59 -0.01	47.73 2.80 0.00	54.05 3.48 0.00	39.37 2.58 0.00	49.69 2.99 0.00	47.04 2.97 0.00	54.10 3.41 0.00	46.74 2.84 0.00	42.36 2.30 0.00	50.40 2.04 0.00	51.46 1.60 0.00
NYPA_KENT____GT 24152	48.82 1.71 -10.42	50.76 1.47 -12.17	50.46 1.32 -9.86	45.51 1.38 -8.73	45.86 1.49 -7.12	46.21 1.72 -8.68	51.12 2.77 -4.68	100.28 5.89 -4.10	47.68 2.69 -9.28	47.43 2.83 -9.53	46.99 2.82 -9.84	46.84 2.84 -8.44	47.68 2.82 -7.57	48.63 2.92 -6.40	52.96 3.19 -4.84	56.53 3.82 -2.14	47.45 2.86 -7.80	54.72 3.31 -4.71	51.88 3.24 -4.56	58.39 3.70 -4.01	53.70 3.01 -6.80	51.82 2.52 -9.25	54.07 2.30 -3.41	56.38 1.95 -4.56
NYPA_POUCH1____GT 24155	55.80 1.80 -17.31	59.57 1.55 -20.90	59.85 1.41 -19.15	54.29 1.43 -17.45	53.04 1.55 -14.24	54.91 1.74 -17.35	55.82 2.79 -9.37	104.36 5.86 -8.21	56.94 2.68 -18.55	56.94 2.81 -19.06	56.81 2.81 -19.68	55.26 2.83 -16.87	55.26 2.83 -15.13	55.05 2.95 -12.78	57.85 3.24 -9.68	58.65 3.80 -4.28	55.25 2.87 -15.59	59.43 3.30 -9.42	56.48 3.28 -9.13	62.11 3.66 -7.77	60.49 3.00 -13.60	59.31 2.53 -16.73	56.36 2.34 -5.66	59.41 1.98 -7.56
NYPA_VERNON____GT2 24162	41.82 1.60 -3.52	39.29 1.36 -0.81	40.04 1.20 0.45	36.69 1.29 0.00	38.61 1.36 0.00	37.42 1.60 0.00	46.28 2.62 0.00	95.89 5.61 0.00	38.29 2.58 0.00	37.79 2.71 -0.01	37.06 2.73 -0.01	38.30 2.73 -0.01	39.98 2.69 0.00	42.11 2.79 -0.01	47.97 3.03 0.00	54.24 3.66 0.00	39.52 2.74 0.00	49.86 3.16 0.00	47.16 3.10 0.00	54.22 3.54 0.00	46.76 2.87 0.00	44.22 2.39 -1.78	51.68 2.15 -1.17	53.23 1.80 -1.57
NYPA_VERNON____GT3 24163	41.82 1.60 -3.52	39.29 1.36 -0.81	40.04 1.20 0.45	36.69 1.29 0.00	38.61 1.36 0.00	37.42 1.60 0.00	46.28 2.62 0.00	95.89 5.61 0.00	38.29 2.58 0.00	37.79 2.71 -0.01	37.06 2.73 -0.01	38.30 2.73 -0.01	39.98 2.69 0.00	42.11 2.79 -0.01	47.97 3.03 0.00	54.24 3.66 0.00	39.52 2.74 0.00	49.86 3.16 0.00	47.16 3.10 0.00	54.22 3.54 0.00	46.76 2.87 0.00	44.22 2.39 -1.78	51.68 2.15 -1.17	53.23 1.80 -1.57
NYPA__ASTORIA_CC1 323568	38.24 1.55 0.00	38.40 1.34 0.05	40.39 1.17 0.08	36.66 1.26 0.00	38.58 1.33 0.00	37.39 1.57 0.00	46.24 2.57 0.00	95.80 5.51 0.00	38.26 2.54 0.00	37.76 2.68 -0.01	37.02 2.69 -0.01	38.27 2.70 -0.01	39.94 2.64 0.00	42.07 2.75 -0.01	47.91 2.97 0.00	54.18 3.60 0.00	39.48 2.69 0.00	49.79 3.09 0.00	47.09 3.02 0.00	54.14 3.46 0.00	46.71 2.81 0.00	42.37 2.32 0.00	50.40 2.04 0.00	51.59 1.72 0.00
NYPA__ASTORIA_CC2 323569	38.24 1.55 0.00	38.40 1.34 0.05	40.39 1.17 0.08	36.66 1.26 0.00	38.58 1.33 0.00	37.39 1.57 0.00	46.24 2.57 0.00	95.80 5.51 0.00	38.26 2.54 0.00	37.76 2.68 -0.01	37.02 2.69 -0.01	38.27 2.70 -0.01	39.94 2.64 0.00	42.07 2.75 -0.01	47.91 2.97 0.00	54.18 3.60 0.00	39.48 2.69 0.00	49.79 3.09 0.00	47.09 3.02 0.00	54.14 3.46 0.00	46.71 2.81 0.00	42.37 2.32 0.00	50.40 2.04 0.00	51.59 1.72 0.00
NYPA__HOLTSVILL 23794	38.71 1.17 -0.84	38.06 0.95 0.00	40.00 0.72 0.00	36.21 0.81 0.00	38.35 1.09 0.00	35.83 1.22 1.20	58.39 2.54 -12.19	91.87 3.64 2.05	36.71 1.84 0.85	37.70 1.92 -0.71	55.35 1.96 -19.07	56.68 2.05 -19.06	54.01 2.14 -14.58	44.63 2.32 -2.99	49.13 2.50 -1.70	72.33 3.36 -18.40	45.26 2.37 -6.10	55.66 2.62 -6.35	91.74 2.90 -44.77	104.14 3.70 -49.75	59.13 2.68 -12.56	64.78 2.39 -22.34	88.52 2.52 -37.64	67.78 2.15 -15.76
NYPA__HELLGATE_GT1 24158	38.19 1.50 0.00	38.31 1.25 0.05	40.31 1.09 0.08	36.59 1.19 0.00	38.47 1.21 0.00	37.28 1.47 0.00	46.15 2.49 0.00	95.62 5.34 0.00	38.17 2.45 0.00	37.66 2.59 -0.01	36.93 2.59 -0.01	38.15 2.58 -0.01	39.81 2.51 0.00	41.91 2.59 -0.01	47.73 2.80 0.00	54.04 3.48 0.00	39.37 2.58 0.00	49.69 2.99 0.00	47.03 2.96 0.00	54.08 3.39 0.00	46.74 2.84 0.00	42.36 2.30 0.00	50.40 2.04 0.00	51.46 1.60 0.00
NYPA__HELLGATE_GT2 24159	38.19 1.50 0.00	38.31 1.25 0.05	40.31 1.09 0.08	36.59 1.19 0.00	38.47 1.21 0.00	37.28 1.47 0.00	46.15 2.49 0.00	95.62 5.34 0.00	38.17 2.45 0.00	37.66 2.59 -0.01	36.93 2.59 -0.01	38.15 2.58 -0.01	39.81 2.51 0.00	41.91 2.59 -0.01	47.73 2.80 0.00	54.04 3.48 0.00	39.37 2.58 0.00	49.69 2.99 0.00	47.03 2.96 0.00	54.08 3.39 0.00	46.74 2.84 0.00	42.36 2.30 0.00	50.40 2.04 0.00	51.46 1.60 0.00
NYS_BARGE__HYD 23848	35.24 -1.45 0.00	35.76 -1.36 0.00	37.92 -1.37 0.00	33.99 -1.42 0.00	35.95 -1.30 0.00	34.58 -1.24 0.00	41.46 -2.20 0.00	84.94 -5.34 0.00	33.30 -2.41 0.00	30.16 -2.51 2.40	29.57 -2.35 2.40	30.57 -2.33 2.66	35.57 -1.72 0.00	37.70 -1.61 0.00	42.18 -1.76 1.00	45.86 -3.02 1.69	33.77 -2.67 0.35	39.63 -3.20 3.87	32.62 -3.08 8.37	45.94 -3.51 1.24	41.15 -2.74 0.00	38.10 -1.95 0.00	46.47 -1.89 0.00	48.41 -1.45 0.00



OAK ORCHARD___HYD 24046	36.14 -0.56 0.00	36.57 -0.54 0.00	38.75 -0.54 0.00	34.80 -0.60 0.00	36.70 -0.55 0.00	35.37 -0.45 0.00	42.87 -0.79 0.00	88.53 -1.76 0.00	34.75 -0.96 0.00	33.03 -1.02 1.02	32.34 -0.97 1.02	33.49 -0.95 1.13	36.61 -0.68 0.00	38.72 -0.59 0.00	43.88 -0.63 0.42	48.61 -1.24 0.72	35.37 -1.27 0.15	43.78 -1.28 1.64	39.38 -1.13 3.55	48.85 -1.31 0.52	42.92 -0.97 0.00	39.42 -0.63 0.00	47.70 -0.66 0.00	49.37 -0.49 0.00
OAKDALE___35_KV_LOAD 356122	36.50 -0.19 0.00	36.89 -0.23 0.00	38.97 -0.32 0.00	35.08 -0.33 0.00	36.99 -0.26 0.00	35.71 -0.11 0.00	43.68 0.02 0.00	90.60 0.32 0.00	35.69 -0.02 0.00	35.68 -0.03 -0.64	34.87 -0.09 -0.64	36.17 -0.10 -0.71	37.38 0.09 0.00	39.38 0.07 0.00	45.35 0.14 -0.27	51.10 0.07 -0.45	36.74 -0.13 -0.09	47.66 -0.07 -1.03	46.35 0.05 -2.23	51.12 0.11 -0.33	44.02 0.13 0.00	40.23 0.17 0.00	48.37 0.01 0.00	49.90 0.04 0.00
OCC_CHEM___DRP 24175	34.70 -1.99 0.00	35.23 -1.89 0.00	37.41 -1.89 0.00	33.51 -1.89 0.00	35.39 -1.86 0.00	34.02 -1.80 0.00	40.72 -2.94 0.00	83.71 -6.57 0.00	32.93 -2.78 0.00	29.98 -2.90 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.83 -3.20 1.54	33.51 -2.96 0.32	39.68 -3.50 3.52	32.93 -3.53 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.84 -2.52 0.00	47.77 -2.10 0.00
OH_GEN_PROXY 24063	34.94 -1.75 0.00	35.47 -1.65 0.00	37.63 -1.66 0.00	33.72 -1.68 0.00	35.60 -1.65 0.00	33.43 -1.58 0.80	41.10 -2.56 0.00	84.56 -5.72 0.00	33.25 -2.46 0.00	30.49 -2.54 2.04	29.94 -2.35 2.03	31.03 -2.28 2.25	35.46 -1.83 0.00	37.63 -1.68 0.00	42.34 -1.75 0.85	46.36 -2.78 1.43	33.91 -2.58 0.30	40.39 -3.03 3.28	34.02 -2.96 7.09	46.10 -3.53 1.05	41.08 -2.81 0.00	38.02 -2.04 0.00	46.23 -2.13 0.00	48.11 -1.75 0.00
OLIN_CORP_DRP 24177	34.95 -1.75 0.00	35.47 -1.64 0.00	37.65 -1.64 0.00	33.73 -1.67 0.00	35.65 -1.61 0.00	34.28 -1.54 0.00	41.03 -2.63 0.00	83.93 -6.36 0.00	32.87 -2.85 0.00	29.97 -2.96 2.14	29.47 -2.72 2.14	30.49 -2.71 2.37	35.22 -2.07 0.00	37.38 -1.93 0.00	41.96 -2.09 0.89	45.63 -3.43 1.51	33.39 -3.09 0.31	39.58 -3.68 3.44	32.95 -3.67 7.45	45.45 -4.14 1.10	40.59 -3.30 0.00	37.64 -2.41 0.00	45.98 -2.38 0.00	47.89 -1.97 0.00
OLIN_CORP_DSASP 323712	34.70 -2.00 0.00	35.23 -1.89 0.00	37.40 -1.89 0.00	33.52 -1.89 0.00	35.40 -1.86 0.00	34.02 -1.80 0.00	40.74 -2.92 0.00	83.71 -6.57 0.00	32.94 -2.77 0.00	30.01 -2.88 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.84 -3.19 1.54	33.53 -2.94 0.32	39.69 -3.49 3.52	33.03 -3.43 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.83 -2.53 0.00	47.77 -2.10 0.00
ONEIDA_HERK_LFGE 323681	36.69 -0.01 0.00	37.21 0.09 0.00	39.33 0.04 0.00	35.46 0.05 0.00	37.43 0.17 0.00	37.14 0.36 -0.96	45.39 0.31 -1.41	93.04 0.62 -2.13	36.11 0.15 -0.24	34.89 -0.18 0.00	34.12 -0.20 0.00	35.28 -0.28 0.00	36.80 -0.49 0.00	38.75 -0.56 0.00	44.25 -0.68 0.00	50.44 -0.13 0.00	37.00 0.21 0.00	47.03 0.33 0.00	44.43 0.36 0.00	50.83 0.15 0.00	44.07 0.18 0.00	40.15 0.09 0.00	48.82 0.46 0.00	50.47 0.61 0.00
ONEIDA___115KV_TB4 55905	37.35 0.65 0.00	37.73 0.61 0.00	39.88 0.59 0.00	35.95 0.54 0.00	37.86 0.61 0.00	36.57 0.75 0.00	44.76 1.10 0.00	92.73 2.45 0.00	36.67 0.96 0.00	35.76 0.69 0.00	34.97 0.65 0.00	36.12 0.56 0.00	37.95 0.66 0.00	39.96 0.64 0.00	45.60 0.66 0.00	51.23 0.66 0.00	37.47 0.69 0.00	47.56 0.86 0.00	45.14 1.07 0.00	51.83 1.15 0.00	44.86 0.97 0.00	40.84 0.79 0.00	49.26 0.90 0.00	50.76 0.89 0.00
ONONDAGA_REF_OCCRA 23987	36.72 0.03 0.00	37.10 -0.01 0.00	39.24 -0.05 0.00	35.33 -0.07 0.00	37.24 -0.02 0.00	35.89 0.07 0.00	43.79 0.14 0.00	90.57 0.29 0.00	35.61 -0.10 0.00	34.89 -0.18 0.00	34.10 -0.22 0.00	35.34 -0.22 0.00	37.11 -0.18 0.00	39.15 -0.16 0.00	44.74 -0.20 0.00	50.36 -0.21 0.00	36.56 -0.23 0.00	46.50 -0.20 0.00	44.00 -0.07 0.00	50.61 -0.07 0.00	43.85 -0.05 0.00	40.02 -0.04 0.00	48.26 -0.10 0.00	49.81 -0.06 0.00
ONONDAGA___COGEN 23986	36.70 0.00 0.00	37.08 -0.03 0.00	39.23 -0.06 0.00	35.33 -0.07 0.00	37.21 -0.04 0.00	35.85 0.03 0.00	43.73 0.06 0.00	90.39 0.10 0.00	35.52 -0.19 0.00	34.82 -0.25 0.00	34.03 -0.29 0.00	35.25 -0.31 0.00	37.00 -0.28 0.00	39.05 -0.27 0.00	44.64 -0.30 0.00	50.29 -0.28 0.00	36.49 -0.29 0.00	46.45 -0.25 0.00	43.92 -0.15 0.00	50.52 -0.16 0.00	43.78 -0.11 0.00	39.97 -0.09 0.00	48.21 -0.15 0.00	49.77 -0.09 0.00
ONTARIO___LFGE 23819	36.37 -0.32 0.00	36.75 -0.37 0.00	38.82 -0.47 0.00	34.89 -0.52 0.00	36.91 -0.35 0.00	35.60 -0.22 0.00	43.45 -0.21 0.00	89.84 -0.45 0.00	35.32 -0.39 0.00	36.44 -0.49 -1.87	35.62 -0.57 -1.86	37.07 -0.56 -2.06	36.91 -0.38 0.00	38.92 -0.39 0.00	45.26 -0.45 -0.78	51.16 -0.72 -1.31	36.26 -0.80 -0.27	48.94 -0.76 -3.00	49.95 -0.61 -6.50	51.23 -0.41 -0.96	43.76 -0.14 0.00	39.94 -0.11 0.00	48.08 -0.27 0.00	49.80 -0.07 0.00
ORANGEVILLE_WT_PWR 323706	33.69 -3.00 0.00	34.28 -2.83 0.00	36.27 -3.02 0.00	32.55 -2.86 0.00	34.90 -2.36 0.00	33.40 -2.42 0.00	40.05 -3.61 0.00	82.29 -8.00 0.00	32.32 -3.39 0.00	17.18 -3.42 14.47	16.48 -3.41 14.44	15.95 -3.62 15.99	33.97 -3.32 0.00	35.91 -3.40 0.00	35.07 -3.85 6.01	35.51 -4.87 10.19	30.81 -3.87 2.11	18.83 -4.59 23.28	-10.37 -4.08 50.37	38.66 -4.59 7.44	40.27 -3.62 0.00	37.06 -2.99 0.00	45.45 -2.91 0.00	47.89 -1.97 0.00
ORANGEVILLE___ESR 323794	33.69 -3.00 0.00	34.28 -2.83 0.00	36.27 -3.02 0.00	32.55 -2.86 0.00	34.90 -2.36 0.00	33.40 -2.42 0.00	40.05 -3.61 0.00	82.29 -8.00 0.00	32.32 -3.39 0.00	17.18 -3.42 14.47	16.48 -3.41 14.44	15.95 -3.62 15.99	33.97 -3.32 0.00	35.91 -3.40 0.00	35.07 -3.85 6.01	35.51 -4.87 10.19	30.81 -3.87 2.11	18.83 -4.59 23.28	-10.37 -4.08 50.37	38.66 -4.59 7.44	40.27 -3.62 0.00	37.06 -2.99 0.00	45.45 -2.91 0.00	47.89 -1.97 0.00
OSWEGATCHIE___HYD 24044	35.35 -1.35 0.00	36.01 -1.10 0.00	38.16 -1.13 0.00	34.31 -1.10 0.00	36.29 -0.96 0.00	39.51 -0.92 -4.61	48.86 -1.59 -6.79	97.10 -3.32 -10.13	35.57 -1.24 -1.10	33.51 -1.56 0.00	32.79 -1.54 0.00	34.07 -1.49 0.00	35.37 -1.92 0.00	37.43 -1.88 0.00	42.63 -2.30 0.00	48.23 -2.34 0.00	35.34 -1.45 0.00	44.90 -1.80 0.00	42.32 -1.75 0.00	48.66 -2.02 0.00	42.38 -1.51 0.00	38.67 -1.38 0.00	47.47 -0.88 0.00	49.26 -0.60 0.00
OSWEGO___5 23606	36.10 -0.59 0.00	36.50 -0.61 0.00	38.62 -0.66 0.00	34.79 -0.62 0.00	36.64 -0.62 0.00	35.26 -0.55 0.00	42.93 -0.73 0.00	88.69 -1.60 0.00	34.92 -0.79 0.00	34.24 -0.83 0.00	33.49 -0.84 0.00	34.69 -0.87 0.00	36.42 -0.88 0.00	38.42 -0.90 0.00	43.93 -1.01 0.00	49.46 -1.11 0.00	35.93 -0.86 0.00	45.66 -1.04 0.00	43.16 -0.91 0.00	49.63 -1.06 0.00	43.01 -0.88 0.00	39.28 -0.78 0.00	47.45 -0.91 0.00	49.01 -0.85 0.00



OSWEGO___6 23613	36.10 -0.59 0.00	36.50 -0.61 0.00	38.62 -0.66 0.00	34.79 -0.62 0.00	36.64 -0.62 0.00	35.26 -0.55 0.00	42.93 -0.73 0.00	88.69 -1.60 0.00	34.92 -0.79 0.00	34.24 -0.83 0.00	33.49 -0.84 0.00	34.69 -0.87 0.00	36.42 -0.88 0.00	38.42 -0.90 0.00	43.93 -1.01 0.00	49.46 -1.11 0.00	35.93 -0.86 0.00	45.66 -1.04 0.00	43.16 -0.91 0.00	49.63 -1.06 0.00	43.01 -0.88 0.00	39.28 -0.78 0.00	47.45 -0.91 0.00	49.01 -0.85 0.00
OUTOKUMPU-AB___DRP 24206	35.44 -1.26 0.00	35.95 -1.17 0.00	38.11 -1.18 0.00	34.15 -1.26 0.00	36.09 -1.16 0.00	34.74 -1.08 0.00	41.69 -1.97 0.00	85.73 -4.55 0.00	33.69 -2.02 0.00	30.86 -2.14 2.07	30.36 -1.90 2.07	31.41 -1.87 2.29	36.02 -1.27 0.00	38.18 -1.13 0.00	42.94 -1.14 0.86	46.81 -2.31 1.46	34.21 -2.27 0.30	40.76 -2.61 3.33	34.24 -2.62 7.20	46.69 -2.93 1.06	41.63 -2.26 0.00	38.52 -1.54 0.00	46.86 -1.50 0.00	48.83 -1.03 0.00
OXBOW___BTM 323836	35.04 -1.65 0.00	35.55 -1.57 0.00	37.72 -1.57 0.00	33.80 -1.61 0.00	35.71 -1.54 0.00	34.35 -1.46 0.00	41.20 -2.46 0.00	84.68 -5.61 0.00	33.31 -2.40 0.00	30.42 -2.52 2.13	29.95 -2.25 2.12	31.00 -2.21 2.35	35.65 -1.64 0.00	37.82 -1.49 0.00	42.52 -1.54 0.88	46.29 -2.78 1.50	33.86 -2.61 0.31	40.22 -3.06 3.42	33.65 -3.01 7.40	46.07 -3.52 1.09	41.12 -2.78 0.00	38.06 -1.99 0.00	46.31 -2.05 0.00	48.25 -1.62 0.00
OXBOW____ 24026	35.04 -1.65 0.00	35.55 -1.56 0.00	37.72 -1.57 0.00	33.80 -1.61 0.00	35.71 -1.54 0.00	34.35 -1.47 0.00	41.18 -2.48 0.00	84.68 -5.61 0.00	33.30 -2.41 0.00	30.41 -2.53 2.13	29.96 -2.24 2.12	31.00 -2.22 2.35	35.66 -1.63 0.00	37.82 -1.49 0.00	42.52 -1.54 0.88	46.28 -2.79 1.50	33.83 -2.64 0.31	40.20 -3.08 3.42	33.56 -3.11 7.40	46.08 -3.51 1.09	41.12 -2.77 0.00	38.06 -1.99 0.00	46.31 -2.05 0.00	48.26 -1.61 0.00
OXY_CHEM_DSASP 323612	34.70 -1.99 0.00	35.23 -1.89 0.00	37.41 -1.89 0.00	33.51 -1.89 0.00	35.39 -1.86 0.00	34.02 -1.80 0.00	40.72 -2.94 0.00	83.71 -6.57 0.00	32.93 -2.78 0.00	29.98 -2.90 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.83 -3.20 1.54	33.51 -2.96 0.32	39.68 -3.50 3.52	32.93 -3.53 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.84 -2.52 0.00	47.77 -2.10 0.00
OZONE_PARK_ESR 323760	38.47 1.77 0.00	38.69 1.57 0.00	40.69 1.40 0.00	36.84 1.43 0.00	38.78 1.53 0.00	37.62 1.80 0.00	46.55 2.89 0.00	96.56 6.27 0.00	38.47 2.75 0.00	37.93 2.86 0.00	37.18 2.85 0.00	38.46 2.90 0.00	40.14 2.85 0.00	42.26 2.95 0.00	48.18 3.24 0.00	54.50 3.93 0.00	39.74 2.95 0.00	50.17 3.47 0.00	47.46 3.40 0.00	54.64 3.96 0.00	47.08 3.19 0.00	42.74 2.69 0.00	50.81 2.45 0.00	51.94 2.07 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	34.70 -1.99 0.00	35.23 -1.89 0.00	37.41 -1.89 0.00	33.51 -1.89 0.00	35.39 -1.86 0.00	34.02 -1.80 0.00	40.72 -2.94 0.00	83.71 -6.57 0.00	32.93 -2.78 0.00	29.98 -2.90 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.83 -3.20 1.54	33.51 -2.96 0.32	39.68 -3.50 3.52	32.93 -3.53 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.84 -2.52 0.00	47.77 -2.10 0.00
PACKARD__115KV_DUPONT_184 80571	34.70 -1.99 0.00	35.23 -1.89 0.00	37.41 -1.89 0.00	33.51 -1.89 0.00	35.39 -1.86 0.00	34.02 -1.80 0.00	40.72 -2.94 0.00	83.71 -6.57 0.00	32.93 -2.78 0.00	29.98 -2.90 2.19	29.58 -2.56 2.18	30.62 -2.53 2.41	35.33 -1.96 0.00	37.50 -1.81 0.00	42.15 -1.88 0.91	45.83 -3.20 1.54	33.51 -2.96 0.32	39.68 -3.50 3.52	32.93 -3.53 7.61	45.50 -4.06 1.12	40.65 -3.24 0.00	37.65 -2.40 0.00	45.84 -2.52 0.00	47.77 -2.10 0.00
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	38.11 1.42 0.00	38.28 1.21 0.05	40.28 1.07 0.08	36.51 1.11 0.00	38.43 1.17 0.00	37.23 1.41 0.00	46.11 2.44 0.00	95.48 5.19 0.00	38.11 2.39 0.00	37.59 2.52 0.00	36.81 2.49 0.00	38.07 2.51 0.00	39.73 2.43 0.00	41.83 2.52 0.00	47.66 2.72 0.00	53.93 3.36 0.00	39.30 2.51 0.00	49.62 2.92 0.00	47.09 3.03 0.00	54.14 3.46 0.00	46.67 2.78 0.00	42.28 2.22 0.00	50.33 1.97 0.00	51.39 1.52 0.00
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	38.12 1.43 0.00	38.28 1.21 0.05	40.28 1.07 0.08	36.51 1.11 0.00	38.43 1.18 0.00	37.24 1.42 0.00	46.11 2.45 0.00	95.48 5.19 0.00	38.11 2.40 0.00	37.63 2.57 0.00	36.85 2.53 0.00	38.09 2.52 0.00	39.74 2.45 0.00	41.83 2.52 0.00	47.66 2.72 0.00	53.93 3.36 0.00	39.30 2.51 0.00	49.62 2.92 0.00	47.10 3.03 0.00	54.15 3.46 0.00	46.67 2.78 0.00	42.28 2.22 0.00	50.33 1.97 0.00	51.39 1.52 0.00
PATROON__115KV_TB1 80586	37.33 0.63 0.00	37.61 0.50 0.00	39.71 0.42 0.00	36.01 0.61 0.00	37.83 0.58 0.00	36.58 0.76 0.00	44.89 1.23 0.00	93.09 2.80 0.00	36.88 1.17 0.00	36.24 1.17 0.00	35.37 1.05 0.00	36.54 0.97 0.00	38.11 0.82 0.00	40.10 0.79 0.00	45.91 0.97 0.00	51.79 1.22 0.00	37.87 1.09 0.00	47.98 1.29 0.00	45.31 1.25 0.00	52.04 1.36 0.00	44.90 1.01 0.00	40.78 0.72 0.00	48.79 0.43 0.00	49.90 0.04 0.00
PATTRSNVILLE___SOLAR 323815	37.87 1.18 0.00	38.23 1.12 0.00	40.44 1.15 0.00	36.54 1.13 0.00	38.41 1.16 0.00	37.10 1.28 0.00	45.56 1.90 0.00	94.43 4.14 0.00	37.32 1.61 0.00	36.45 1.38 0.00	35.44 1.12 0.00	36.60 1.04 0.00	38.09 0.80 0.00	40.20 0.89 0.00	46.34 1.40 0.00	51.99 1.42 0.00	37.87 1.08 0.00	48.13 1.43 0.00	45.79 1.72 0.00	52.78 2.10 0.00	45.62 1.73 0.00	41.51 1.46 0.00	49.84 1.49 0.00	51.16 1.30 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	35.66 -1.03 0.00	36.16 -0.96 0.00	38.29 -1.00 0.00	34.29 -1.11 0.00	36.24 -1.02 0.00	34.93 -0.88 0.00	42.11 -1.55 0.00	86.93 -3.36 0.00	34.17 -1.54 0.00	32.06 -1.65 1.36	31.43 -1.53 1.36	32.56 -1.50 1.51	36.39 -0.90 0.00	38.56 -0.75 0.00	43.57 -0.80 0.57	47.92 -1.69 0.96	34.78 -1.81 0.20	42.42 -2.09 2.19	37.23 -2.09 4.74	47.77 -2.22 0.70	42.21 -1.68 0.00	39.03 -1.03 0.00	47.38 -0.97 0.00	49.34 -0.52 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	38.28 1.59 0.00	38.54 1.42 0.00	40.59 1.30 0.00	36.74 1.34 0.00	38.68 1.43 0.00	37.50 1.68 0.00	46.32 2.66 0.00	96.07 5.79 0.00	38.21 2.50 0.00	37.65 2.59 0.00	36.86 2.54 0.00	38.11 2.55 0.00	39.77 2.48 0.00	41.81 2.50 0.00	47.69 2.75 0.00	53.89 3.32 0.00	39.31 2.52 0.00	49.72 3.02 0.00	47.08 3.01 0.00	54.22 3.53 0.00	46.72 2.83 0.00	42.41 2.36 0.00	50.52 2.17 0.00	51.63 1.77 0.00
PEEKSKILL____ 23653	37.83 1.13 0.00	38.07 0.96 0.00	40.09 0.80 0.00	36.27 0.87 0.00	38.20 0.95 0.00	36.99 1.18 0.00	45.67 2.01 0.00	94.62 4.33 0.00	37.66 1.95 0.00	37.13 2.06 0.00	36.37 2.05 0.00	37.58 2.01 0.00	39.23 1.94 0.00	41.31 1.99 0.00	47.12 2.18 0.00	53.25 2.68 0.00	38.83 2.04 0.00	49.08 2.38 0.00	46.44 2.37 0.00	53.53 2.84 0.00	46.09 2.20 0.00	41.87 1.81 0.00	49.91 1.55 0.00	51.07 1.21 0.00



PGE MADISON___WINDPWR 24146	36.73 0.03 0.00	37.19 0.07 0.00	39.14 -0.15 0.00	35.22 -0.18 0.00	37.11 -0.15 0.00	35.94 0.12 0.00	44.53 0.87 0.00	93.03 2.74 0.00	36.44 0.73 0.00	36.39 0.53 -0.80	35.53 0.41 -0.79	36.71 0.27 -0.88	37.97 0.68 0.00	40.78 1.47 0.00	47.03 1.76 -0.33	52.64 1.51 -0.56	37.61 0.70 -0.12	49.29 1.31 -1.28	48.97 2.14 -2.77	52.81 1.72 -0.41	45.60 1.71 0.00	42.03 1.98 0.00	49.87 1.51 0.00	50.62 0.76 0.00
PIERCEFIELD___HYD 23852	36.05 -0.64 0.00	36.71 -0.41 0.00	38.96 -0.33 0.00	34.93 -0.48 0.00	36.84 -0.42 0.00	41.90 -0.69 -6.78	52.49 -1.15 -9.99	102.79 -2.37 -14.88	36.54 -0.78 -1.61	34.22 -0.85 0.00	33.50 -0.82 0.00	34.90 -0.67 0.00	36.52 -0.77 0.00	38.62 -0.69 0.00	43.96 -0.97 0.00	49.22 -1.35 0.00	35.82 -0.97 0.00	45.49 -1.20 0.00	42.81 -1.26 0.00	49.44 -1.25 0.00	43.03 -0.86 0.00	39.33 -0.73 0.00	48.04 -0.32 0.00	49.74 -0.12 0.00
PINELAWN_CC_1 323563	40.44 1.65 -2.10	38.53 1.42 0.00	40.52 1.23 0.00	36.68 1.27 0.00	38.75 1.50 0.00	37.51 1.69 0.00	60.73 2.88 -14.19	93.43 4.97 1.83	37.96 2.44 0.19	46.11 2.56 -8.48	66.35 2.63 -29.39	64.45 2.68 -26.20	60.77 2.65 -20.83	45.90 2.79 -3.80	52.20 3.03 -4.22	75.17 3.53 -21.07	46.46 2.71 -6.96	57.06 3.11 -7.24	103.29 3.20 -56.02	112.84 3.89 -58.27	66.13 3.01 -19.23	71.80 2.64 -29.10	94.60 2.60 -43.64	72.89 2.32 -20.70
PJM_GEN_HTP_PROXY 323702	38.12 1.43 0.00	38.35 1.24 0.00	40.35 1.06 0.00	36.54 1.14 0.00	38.47 1.22 0.00	37.29 1.48 0.00	46.13 2.46 0.00	95.64 5.36 0.00	38.09 2.38 0.00	37.56 2.49 0.00	36.81 2.49 0.00	38.07 2.51 0.00	39.75 2.46 0.00	41.85 2.54 0.00	47.75 2.81 0.00	53.98 3.42 0.02	39.37 2.58 0.00	49.71 3.01 0.00	47.01 2.95 0.00	54.11 3.43 0.00	46.61 2.72 0.00	42.31 2.26 0.00	50.31 1.95 0.00	51.45 1.58 0.00
PJM_GEN_KEystone 24065	36.55 -0.15 0.00	36.89 -0.23 0.00	38.88 -0.41 0.00	35.00 -0.40 0.00	36.95 -0.31 0.00	35.70 -0.12 0.00	43.75 0.09 0.00	90.74 0.46 0.00	35.91 0.20 0.00	35.33 0.26 0.00	34.57 0.24 0.00	35.81 0.24 0.00	37.74 0.45 0.00	39.83 0.52 0.00	45.54 0.60 0.00	51.07 0.51 0.02	36.97 0.18 0.00	46.92 0.21 0.00	44.36 0.30 0.00	51.14 0.45 0.00	44.18 0.29 0.00	40.40 0.34 0.00	48.47 0.11 0.00	49.96 0.10 0.00
PJM_GEN_NEPTUNE_PROXY 323594	38.22 1.34 -0.17	38.23 1.12 0.00	40.23 0.95 0.01	36.43 1.03 0.01	38.46 1.21 0.01	35.38 1.43 1.87	57.28 2.44 -11.18	91.97 4.22 2.54	36.54 2.13 1.31	33.65 2.28 3.71	50.33 2.29 -13.71	53.38 2.33 -15.49	51.03 2.28 -11.46	44.30 2.40 -2.59	47.99 2.66 -0.39	70.82 3.09 -17.16	44.87 2.38 -5.71	55.34 2.71 -5.93	85.66 2.75 -38.84	98.90 3.29 -44.93	55.32 2.55 -8.87	60.94 2.22 -18.67	84.89 2.06 -34.48	64.76 1.80 -13.10
PJM_GEN_VFT_PROXY 323633	37.96 1.27 0.00	38.18 1.07 0.00	40.16 0.87 0.00	36.36 0.96 0.00	38.29 1.03 0.00	37.11 1.30 0.00	45.89 2.23 0.00	95.14 4.85 0.00	37.90 2.19 0.00	37.39 2.32 0.00	36.65 2.33 0.00	37.89 2.32 0.00	39.54 2.25 0.00	41.63 2.32 0.00	47.50 2.56 0.00	53.71 3.15 0.02	39.19 2.40 0.00	49.46 2.76 0.00	46.78 2.71 0.00	53.88 3.19 0.00	46.39 2.50 0.00	42.11 2.05 0.00	50.06 1.70 0.00	51.19 1.33 0.00
PLATSBURG_115KV_PMLD1 355749	36.39 -0.31 0.00	37.38 0.26 0.00	39.74 0.46 0.00	35.40 0.00 0.00	37.54 0.29 0.00	-6.05 -0.79 41.07	-18.18 -1.33 60.51	-2.75 -2.93 90.10	25.20 -0.77 9.74	34.67 -0.40 0.00	33.98 -0.35 0.00	35.40 -0.16 0.00	37.27 -0.03 0.00	39.48 0.17 0.00	45.30 0.36 0.00	50.31 -0.26 0.00	36.46 -0.33 0.00	45.98 -0.72 0.00	43.24 -0.83 0.00	49.87 -0.81 0.00	43.49 -0.40 0.00	39.85 -0.21 0.00	48.69 0.33 0.00	50.24 0.37 0.00
PLEASANTVLY___LBMP 24000	37.78 1.08 0.00	38.04 0.93 0.00	40.11 0.82 0.00	36.32 0.91 0.00	38.21 0.96 0.00	37.01 1.19 0.00	45.64 1.98 0.00	94.55 4.26 0.00	37.61 1.90 0.00	37.05 1.98 0.00	36.28 1.96 0.00	37.51 1.94 0.00	39.15 1.86 0.00	41.21 1.90 0.00	47.03 2.09 0.00	53.13 2.56 0.00	38.75 1.97 0.00	48.98 2.29 0.00	46.32 2.26 0.00	53.33 2.65 0.00	45.97 2.08 0.00	41.77 1.71 0.00	49.79 1.44 0.00	50.94 1.08 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	38.02 1.32 0.00	38.27 1.15 0.00	40.31 1.02 0.00	36.50 1.10 0.00	38.42 1.16 0.00	37.23 1.41 0.00	45.99 2.33 0.00	95.31 5.03 0.00	37.94 2.23 0.00	37.40 2.33 0.00	36.63 2.30 0.00	37.87 2.31 0.00	39.53 2.24 0.00	41.61 2.30 0.00	47.47 2.53 0.00	53.64 3.07 0.00	39.13 2.34 0.00	49.44 2.74 0.00	46.76 2.70 0.00	53.86 3.18 0.00	46.40 2.51 0.00	42.15 2.09 0.00	50.20 1.84 0.00	51.33 1.47 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	38.02 1.32 0.00	38.27 1.15 0.00	40.31 1.02 0.00	36.50 1.10 0.00	38.42 1.16 0.00	37.23 1.41 0.00	45.99 2.33 0.00	95.31 5.03 0.00	37.94 2.23 0.00	37.40 2.33 0.00	36.63 2.30 0.00	37.87 2.31 0.00	39.53 2.24 0.00	41.61 2.30 0.00	47.47 2.53 0.00	53.64 3.07 0.00	39.13 2.34 0.00	49.44 2.74 0.00	46.76 2.70 0.00	53.86 3.18 0.00	46.40 2.51 0.00	42.15 2.09 0.00	50.20 1.84 0.00	51.33 1.47 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	38.09 1.39 0.00	38.36 1.25 0.00	40.43 1.15 0.00	36.60 1.19 0.00	38.51 1.25 0.00	37.30 1.48 0.00	46.04 2.38 0.00	95.45 5.16 0.00	37.97 2.26 0.00	37.41 2.34 0.00	36.61 2.29 0.00	37.83 2.26 0.00	39.46 2.17 0.00	41.48 2.17 0.00	47.32 2.38 0.00	53.44 2.87 0.00	39.04 2.25 0.00	49.40 2.70 0.00	46.75 2.69 0.00	53.84 3.16 0.00	46.43 2.54 0.00	42.17 2.11 0.00	50.24 1.88 0.00	51.36 1.50 0.00
POLETTI___ 23519	38.13 1.43 0.00	38.35 1.23 0.00	40.33 1.04 0.00	36.53 1.13 0.00	38.45 1.20 0.00	37.29 1.47 0.00	46.08 2.42 0.00	95.56 5.28 0.00	38.09 2.38 0.00	37.56 2.50 0.00	36.81 2.48 0.00	38.07 2.51 0.00	39.74 2.45 0.00	41.83 2.52 0.00	47.72 2.78 0.00	53.97 3.40 0.00	39.36 2.58 0.00	49.68 2.98 0.00	46.99 2.92 0.00	54.08 3.39 0.00	46.58 2.69 0.00	42.28 2.23 0.00	50.29 1.93 0.00	51.43 1.56 0.00
POMONA___ESR 323819	37.85 1.16 0.00	38.10 0.98 0.00	40.12 0.83 0.00	36.28 0.88 0.00	38.21 0.96 0.00	37.02 1.21 0.00	45.71 2.05 0.00	94.72 4.43 0.00	37.70 1.99 0.00	37.17 2.10 0.00	36.41 2.09 0.00	37.62 2.06 0.00	39.27 1.98 0.00	41.36 2.05 0.00	47.19 2.26 0.00	53.33 2.76 0.00	38.89 2.10 0.00	49.12 2.42 0.00	46.49 2.42 0.00	53.58 2.90 0.00	46.13 2.25 0.00	41.91 1.85 0.00	49.97 1.61 0.00	51.13 1.27 0.00
PORT_JEFF_3 23555	38.86 1.29 -0.88	38.17 1.05 0.00	40.11 0.82 0.00	36.29 0.89 0.00	38.46 1.20 0.00	35.97 1.32 1.17	58.61 2.71 -12.24	92.22 3.98 2.04	36.85 1.97 0.83	38.01 2.05 -0.90	55.74 2.09 -19.32	56.99 2.19 -19.24	54.31 2.29 -14.73	44.79 2.47 -3.01	49.35 2.65 -1.77	72.58 3.54 -18.47	45.41 2.50 -6.12	55.86 2.80 -6.37	92.11 3.01 -45.04	104.46 3.85 -49.93	59.45 2.86 -12.71	65.08 2.54 -22.48	88.83 2.70 -37.77	68.05 2.31 -15.87



PORT_JEFF_4 23616	38.86 1.29 -0.88	38.17 1.05 0.00	40.11 0.82 0.00	36.29 0.89 0.00	38.46 1.20 0.00	35.97 1.32 1.17	58.61 2.71 -12.24	92.22 3.98 2.04	36.85 1.97 0.83	38.01 2.05 -0.90	55.74 2.09 -19.32	56.99 2.19 -19.24	54.31 2.29 -14.73	44.79 2.47 -3.01	49.35 2.65 -1.77	72.58 3.54 -18.47	45.41 2.50 -6.12	55.86 2.80 -6.37	92.11 3.01 -45.04	104.46 3.85 -49.93	59.45 2.86 -12.71	65.08 2.54 -22.48	88.83 2.70 -37.77	68.05 2.31 -15.87
PORT_JEFF_IC 23713	38.91 1.29 -0.93	38.16 1.05 0.00	40.10 0.82 0.00	36.29 0.89 0.00	38.47 1.21 0.00	36.03 1.33 1.11	58.70 2.72 -12.32	92.31 4.04 2.02	36.89 1.99 0.81	38.33 2.04 -1.22	56.16 2.08 -19.75	57.28 2.18 -19.53	54.56 2.28 -14.99	44.84 2.48 -3.05	49.48 2.66 -1.88	72.74 3.60 -18.57	45.46 2.52 -6.16	55.91 2.81 -6.40	92.55 2.99 -45.49	104.73 3.83 -50.21	59.72 2.89 -12.94	65.32 2.55 -22.72	89.05 2.72 -37.97	68.22 2.31 -16.04
PPL PILGRIM_ST_GT1 24216	39.69 1.77 -1.23	38.59 1.48 0.00	40.61 1.33 0.00	36.75 1.35 0.00	38.87 1.62 0.00	36.78 1.77 0.81	59.38 3.01 -12.72	93.60 5.21 1.90	37.54 2.49 0.66	40.57 2.51 -2.99	58.95 2.60 -22.03	59.34 2.69 -21.08	56.21 2.57 -16.35	45.36 2.82 -3.22	50.41 3.01 -2.47	73.16 3.49 -19.10	45.92 2.81 -6.33	56.47 3.19 -6.58	95.11 3.24 -47.81	106.14 4.00 -51.46	60.91 3.04 -13.99	66.49 2.69 -23.74	89.89 2.70 -38.83	69.10 2.44 -16.80
PPL PILGRIM_ST_GT2 24217	39.69 1.77 -1.23	38.59 1.48 0.00	40.61 1.33 0.00	36.75 1.35 0.00	38.87 1.62 0.00	36.78 1.77 0.81	59.38 3.01 -12.72	93.60 5.21 1.90	37.54 2.49 0.66	40.57 2.51 -2.99	58.95 2.60 -22.03	59.34 2.69 -21.08	56.21 2.57 -16.35	45.36 2.82 -3.22	50.41 3.01 -2.47	73.16 3.49 -19.10	45.92 2.81 -6.33	56.47 3.19 -6.58	95.11 3.24 -47.81	106.14 4.00 -51.46	60.91 3.04 -13.99	66.49 2.69 -23.74	89.89 2.70 -38.83	69.10 2.44 -16.80
PPL_SHRM_GT3 24213	38.44 0.85 -0.89	37.72 0.61 0.00	39.60 0.32 0.00	35.82 0.41 0.00	38.10 0.84 0.00	35.53 0.87 1.15	58.43 2.51 -12.26	91.05 2.80 2.04	36.22 1.34 0.82	37.37 1.30 -1.00	55.12 1.34 -19.46	56.36 1.47 -19.33	53.85 1.74 -14.81	44.29 1.95 -3.02	48.80 2.06 -1.80	72.60 3.53 -18.50	45.07 2.15 -6.13	55.32 2.24 -6.38	92.19 2.95 -45.18	104.67 3.97 -50.02	59.18 2.51 -12.78	64.86 2.25 -22.56	89.09 2.90 -37.83	68.05 2.27 -15.93
PPL_SHRM_GT4 24214	38.44 0.85 -0.89	37.72 0.61 0.00	39.60 0.32 0.00	35.82 0.41 0.00	38.10 0.84 0.00	35.53 0.87 1.15	58.43 2.51 -12.26	91.05 2.80 2.04	36.22 1.34 0.82	37.37 1.30 -1.00	55.12 1.34 -19.46	56.36 1.47 -19.33	53.85 1.74 -14.81	44.29 1.95 -3.02	48.80 2.06 -1.80	72.60 3.53 -18.50	45.07 2.15 -6.13	55.32 2.24 -6.38	92.19 2.95 -45.18	104.67 3.97 -50.02	59.18 2.51 -12.78	64.86 2.25 -22.56	89.09 2.90 -37.83	68.05 2.27 -15.93
PROJECT___ORANGE 1 24174	36.56 -0.13 0.00	36.94 -0.18 0.00	39.07 -0.22 0.00	35.20 -0.21 0.00	37.07 -0.18 0.00	35.73 -0.09 0.00	43.57 -0.10 0.00	90.04 -0.24 0.00	35.41 -0.31 0.00	34.70 -0.37 0.00	33.94 -0.39 0.00	35.16 -0.40 0.00	36.92 -0.37 0.00	38.96 -0.35 0.00	44.53 -0.40 0.00	50.14 -0.43 0.00	36.39 -0.39 0.00	46.28 -0.42 0.00	43.75 -0.32 0.00	50.32 -0.37 0.00	43.60 -0.29 0.00	39.80 -0.26 0.00	48.00 -0.36 0.00	49.56 -0.30 0.00
PROJECT___ORANGE 2 24166	36.56 -0.13 0.00	36.94 -0.18 0.00	39.07 -0.22 0.00	35.20 -0.21 0.00	37.07 -0.18 0.00	35.73 -0.09 0.00	43.57 -0.10 0.00	90.04 -0.24 0.00	35.41 -0.31 0.00	34.70 -0.37 0.00	33.94 -0.39 0.00	35.16 -0.40 0.00	36.92 -0.37 0.00	38.96 -0.35 0.00	44.53 -0.40 0.00	50.14 -0.43 0.00	36.39 -0.39 0.00	46.28 -0.42 0.00	43.75 -0.32 0.00	50.32 -0.37 0.00	43.60 -0.29 0.00	39.80 -0.26 0.00	48.00 -0.36 0.00	49.56 -0.30 0.00
PUCKETT___SOLAR 323809	36.52 -0.17 0.00	36.90 -0.22 0.00	38.97 -0.32 0.00	35.09 -0.31 0.00	37.00 -0.25 0.00	35.75 -0.07 0.00	43.87 0.21 0.00	91.07 0.78 0.00	35.83 0.12 0.00	35.71 0.04 -0.61	34.92 -0.01 -0.61	36.18 -0.05 -0.67	37.42 0.13 0.00	39.37 0.06 0.00	45.32 0.12 -0.25	51.15 0.15 -0.43	36.77 -0.11 -0.09	47.73 0.05 -0.98	46.55 0.36 -2.11	51.49 0.50 -0.31	44.44 0.56 0.00	40.64 0.58 0.00	48.72 0.37 0.00	50.13 0.26 0.00
PYRITES___HYD 24023	37.17 0.48 0.00	37.78 0.67 0.00	40.11 0.82 0.00	35.96 0.56 0.00	37.94 0.69 0.00	42.36 0.45 -6.09	52.97 0.33 -8.98	104.35 0.69 -13.37	37.55 0.39 -1.45	35.24 0.17 0.00	34.40 0.07 0.00	35.97 0.41 0.00	37.44 0.15 0.00	39.77 0.46 0.00	44.99 0.06 0.00	50.19 -0.38 0.00	36.50 -0.29 0.00	46.40 -0.30 0.00	43.79 -0.28 0.00	50.99 0.31 0.00	44.41 0.52 0.00	40.56 0.51 0.00	49.45 1.09 0.00	51.15 1.28 0.00
QUAKERRD_115KV_BK1 80622	35.53 -1.17 0.00	35.95 -1.17 0.00	38.07 -1.22 0.00	34.22 -1.19 0.00	36.08 -1.18 0.00	34.75 -1.06 0.00	42.19 -1.47 0.00	87.13 -3.15 0.00	34.21 -1.50 0.00	32.95 -1.55 0.57	32.27 -1.48 0.57	33.43 -1.50 0.63	35.97 -1.32 0.00	38.03 -1.29 0.00	43.27 -1.43 0.24	48.17 -2.00 0.40	34.91 -1.79 0.08	43.81 -1.97 0.92	40.26 -1.81 1.99	48.33 -2.06 0.29	42.24 -1.65 0.00	38.73 -1.33 0.00	46.82 -1.54 0.00	48.46 -1.41 0.00
QUENSBRY_115KV_TB8 356137	39.15 2.46 0.00	39.51 2.40 0.00	41.86 2.57 0.00	37.91 2.51 0.00	39.77 2.51 0.00	38.52 2.70 0.00	47.58 3.92 0.00	98.49 8.21 0.00	38.86 3.15 0.00	38.08 3.01 0.00	37.19 2.87 0.00	38.32 2.76 0.00	39.92 2.62 0.00	42.15 2.84 0.00	48.25 3.31 0.00	54.41 3.84 0.00	39.52 2.73 0.00	49.95 3.25 0.00	47.60 3.53 0.00	54.87 4.19 0.00	47.30 3.40 0.00	42.99 2.94 0.00	51.52 3.17 0.00	52.54 2.67 0.00
RAMAPO___LBMP 323565	37.69 1.00 0.00	37.95 0.84 0.00	39.96 0.67 0.00	36.14 0.73 0.00	38.06 0.81 0.00	36.85 1.03 0.00	45.47 1.81 0.00	94.23 3.94 0.00	37.50 1.79 0.00	36.95 1.88 0.00	36.19 1.87 0.00	37.39 1.83 0.00	39.04 1.75 0.00	41.12 1.81 0.00	46.92 1.98 0.00	53.02 2.44 0.00	38.66 1.87 0.00	48.86 2.16 0.00	46.26 2.20 0.00	53.32 2.64 0.00	45.90 2.01 0.00	41.70 1.65 0.00	49.73 1.38 0.00	50.91 1.04 0.00
RANKINE____ 23646	35.57 -1.13 0.00	36.09 -1.03 0.00	38.26 -1.03 0.00	34.25 -1.15 0.00	36.21 -1.05 0.00	34.89 -0.92 0.00	41.96 -1.70 0.00	86.47 -3.81 0.00	34.01 -1.71 0.00	31.67 -1.80 1.60	31.10 -1.64 1.59	32.21 -1.59 1.76	36.25 -1.04 0.00	38.42 -0.89 0.00	43.40 -0.88 0.66	47.63 -1.81 1.12	34.63 -1.93 0.23	41.91 -2.23 2.57	36.28 -2.23 5.55	47.39 -2.48 0.82	42.00 -1.89 0.00	38.87 -1.19 0.00	47.24 -1.12 0.00	49.27 -0.60 0.00
RAVENSWOOD_GT2_1 24244	38.15 1.45 0.00	38.36 1.25 0.00	40.36 1.07 0.00	36.56 1.16 0.00	38.48 1.22 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.57 2.50 0.00	36.82 2.49 0.00	38.08 2.52 0.00	39.75 2.46 0.00	41.86 2.55 0.00	47.74 2.81 0.00	53.98 3.41 0.00	39.36 2.58 0.00	49.69 3.00 0.00	47.02 2.95 0.00	54.11 3.42 0.00	46.61 2.71 0.00	42.32 2.26 0.00	50.35 1.99 0.00	51.49 1.62 0.00



RAVENSWOOD_GT2_2 24245	38.15 1.45 0.00	38.36 1.25 0.00	40.36 1.07 0.00	36.56 1.16 0.00	38.48 1.22 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.57 2.50 0.00	36.82 2.49 0.00	38.08 2.52 0.00	39.75 2.46 0.00	41.86 2.55 0.00	47.74 2.81 0.00	53.98 3.41 0.00	39.36 2.58 0.00	49.69 3.00 0.00	47.02 2.95 0.00	54.11 3.42 0.00	46.61 2.71 0.00	42.32 2.26 0.00	50.35 1.99 0.00	51.49 1.62 0.00
RAVENSWOOD_GT2_3 24246	38.16 1.47 0.00	38.38 1.26 0.00	40.37 1.08 0.00	36.57 1.16 0.00	38.49 1.23 0.00	37.32 1.50 0.00	46.13 2.47 0.00	95.65 5.36 0.00	38.12 2.41 0.00	37.59 2.52 0.00	36.83 2.51 0.00	38.11 2.55 0.00	39.78 2.49 0.00	41.87 2.56 0.00	47.76 2.82 0.00	54.01 3.44 0.00	39.39 2.60 0.00	49.73 3.03 0.00	47.03 2.96 0.00	54.13 3.44 0.00	46.62 2.73 0.00	42.33 2.27 0.00	50.37 2.01 0.00	51.51 1.65 0.00
RAVENSWOOD_GT2_4 24247	38.16 1.47 0.00	38.38 1.26 0.00	40.37 1.08 0.00	36.57 1.16 0.00	38.49 1.23 0.00	37.32 1.50 0.00	46.13 2.47 0.00	95.65 5.36 0.00	38.12 2.41 0.00	37.59 2.52 0.00	36.83 2.51 0.00	38.11 2.55 0.00	39.78 2.49 0.00	41.87 2.56 0.00	47.76 2.82 0.00	54.01 3.44 0.00	39.39 2.60 0.00	49.73 3.03 0.00	47.03 2.96 0.00	54.13 3.44 0.00	46.62 2.73 0.00	42.33 2.27 0.00	50.37 2.01 0.00	51.51 1.65 0.00
RAVENSWOOD_GT3_1 24248	38.15 1.45 0.00	38.36 1.25 0.00	40.37 1.08 0.00	36.56 1.16 0.00	38.48 1.23 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.57 2.50 0.00	36.82 2.49 0.00	38.08 2.52 0.00	39.76 2.46 0.00	41.86 2.55 0.00	47.74 2.81 0.00	53.98 3.41 0.00	39.36 2.58 0.00	49.69 3.00 0.00	47.02 2.95 0.00	54.11 3.42 0.00	46.61 2.72 0.00	42.32 2.26 0.00	50.35 1.99 0.00	51.49 1.63 0.00
RAVENSWOOD_GT3_2 24249	38.15 1.45 0.00	38.36 1.25 0.00	40.37 1.08 0.00	36.56 1.16 0.00	38.48 1.23 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.57 2.50 0.00	36.82 2.49 0.00	38.08 2.52 0.00	39.76 2.46 0.00	41.86 2.55 0.00	47.74 2.81 0.00	53.98 3.41 0.00	39.36 2.58 0.00	49.69 3.00 0.00	47.02 2.95 0.00	54.11 3.42 0.00	46.61 2.72 0.00	42.32 2.26 0.00	50.35 1.99 0.00	51.49 1.63 0.00
RAVENSWOOD_GT3_3 24250	38.20 1.50 0.00	38.43 1.31 0.00	40.41 1.12 0.00	36.60 1.20 0.00	38.53 1.27 0.00	37.35 1.53 0.00	46.18 2.52 0.00	95.75 5.46 0.00	38.16 2.45 0.00	37.63 2.57 0.00	36.88 2.56 0.00	38.15 2.58 0.00	39.82 2.53 0.00	41.93 2.61 0.00	47.82 2.89 0.00	54.07 3.51 0.00	39.44 2.65 0.00	49.78 3.08 0.00	47.08 3.01 0.00	54.19 3.51 0.00	46.69 2.80 0.00	42.39 2.33 0.00	50.42 2.07 0.00	51.57 1.70 0.00
RAVENSWOOD_GT3_4 24251	38.20 1.50 0.00	38.43 1.31 0.00	40.41 1.12 0.00	36.60 1.20 0.00	38.53 1.27 0.00	37.35 1.53 0.00	46.18 2.52 0.00	95.75 5.46 0.00	38.16 2.45 0.00	37.63 2.57 0.00	36.88 2.56 0.00	38.15 2.58 0.00	39.82 2.53 0.00	41.93 2.61 0.00	47.82 2.89 0.00	54.07 3.51 0.00	39.44 2.65 0.00	49.78 3.08 0.00	47.08 3.01 0.00	54.19 3.51 0.00	46.69 2.80 0.00	42.39 2.33 0.00	50.42 2.07 0.00	51.57 1.70 0.00
RAVENSWOOD_GT_1 23729	41.81 1.59 -3.52	39.29 1.36 -0.81	40.04 1.20 0.45	36.68 1.27 0.00	38.61 1.36 0.00	37.42 1.60 0.00	46.30 2.64 0.00	95.94 5.66 0.00	38.29 2.58 0.00	37.78 2.71 0.00	37.03 2.70 0.00	38.30 2.73 0.00	39.97 2.68 0.00	42.10 2.79 0.00	47.97 3.03 0.00	54.24 3.67 0.00	39.53 2.74 0.00	49.88 3.18 0.00	47.24 3.17 0.00	54.29 3.61 0.00	46.77 2.88 0.00	44.21 2.38 -1.78	51.67 2.14 -1.17	53.23 1.80 -1.57
RAVENSWOOD_GT_10 24258	38.55 1.45 -0.41	38.47 1.25 -0.10	40.36 1.07 0.00	36.56 1.16 0.00	38.48 1.22 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.56 2.50 0.00	36.81 2.49 0.00	38.08 2.51 0.00	39.75 2.46 0.00	41.85 2.54 0.00	47.74 2.80 0.00	53.98 3.41 0.00	39.36 2.58 0.00	49.69 3.00 0.00	47.01 2.94 0.00	54.10 3.41 0.00	46.60 2.71 0.00	42.52 2.26 -0.20	50.48 1.99 -0.14	51.66 1.62 -0.18
RAVENSWOOD_GT_11 24259	38.55 1.45 -0.41	38.47 1.25 -0.10	40.36 1.07 0.00	36.56 1.16 0.00	38.48 1.22 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.56 2.50 0.00	36.81 2.49 0.00	38.08 2.51 0.00	39.75 2.46 0.00	41.85 2.54 0.00	47.74 2.80 0.00	53.98 3.41 0.00	39.36 2.58 0.00	49.69 3.00 0.00	47.01 2.94 0.00	54.10 3.41 0.00	46.60 2.71 0.00	42.52 2.26 -0.20	50.48 1.99 -0.14	51.66 1.62 -0.18
RAVENSWOOD_GT_4 24252	40.81 1.44 -2.68	39.05 1.25 -0.69	40.36 1.08 0.00	36.56 1.16 0.00	38.48 1.23 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.58 2.51 0.00	36.82 2.50 0.00	38.08 2.52 0.00	39.76 2.46 0.00	41.86 2.55 0.00	47.74 2.81 0.00	53.99 3.42 0.00	39.36 2.58 0.00	49.70 3.00 0.00	47.02 2.95 0.00	54.11 3.42 0.00	46.61 2.72 0.00	43.67 2.26 -1.35	51.22 1.97 -0.89	52.66 1.61 -1.19
RAVENSWOOD_GT_5 24254	40.81 1.44 -2.68	39.05 1.25 -0.69	40.36 1.08 0.00	36.56 1.16 0.00	38.48 1.23 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.58 2.51 0.00	36.82 2.50 0.00	38.08 2.52 0.00	39.76 2.46 0.00	41.86 2.55 0.00	47.74 2.81 0.00	53.99 3.42 0.00	39.36 2.58 0.00	49.70 3.00 0.00	47.02 2.95 0.00	54.11 3.42 0.00	46.61 2.72 0.00	43.67 2.26 -1.35	51.22 1.97 -0.89	52.66 1.61 -1.19
RAVENSWOOD_GT_6 24253	40.81 1.44 -2.68	39.05 1.25 -0.69	40.36 1.08 0.00	36.56 1.16 0.00	38.48 1.23 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.58 2.51 0.00	36.82 2.50 0.00	38.08 2.52 0.00	39.76 2.46 0.00	41.86 2.55 0.00	47.74 2.81 0.00	53.99 3.42 0.00	39.36 2.58 0.00	49.70 3.00 0.00	47.02 2.95 0.00	54.11 3.42 0.00	46.61 2.72 0.00	43.67 2.26 -1.35	51.22 1.97 -0.89	52.66 1.61 -1.19
RAVENSWOOD_GT_7 24255	40.81 1.44 -2.68	39.05 1.25 -0.69	40.36 1.08 0.00	36.56 1.16 0.00	38.48 1.23 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.58 2.51 0.00	36.82 2.50 0.00	38.08 2.52 0.00	39.76 2.46 0.00	41.86 2.55 0.00	47.74 2.81 0.00	53.99 3.42 0.00	39.36 2.58 0.00	49.70 3.00 0.00	47.02 2.95 0.00	54.11 3.42 0.00	46.61 2.72 0.00	43.67 2.26 -1.35	51.22 1.97 -0.89	52.66 1.61 -1.19
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	38.55 1.45 -0.41	38.47 1.25 -0.10	40.36 1.07 0.00	36.56 1.16 0.00	38.48 1.22 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.56 2.50 0.00	36.81 2.49 0.00	38.08 2.51 0.00	39.75 2.46 0.00	41.85 2.54 0.00	47.74 2.80 0.00	53.98 3.41 0.00	39.36 2.58 0.00	49.69 3.00 0.00	47.01 2.94 0.00	54.10 3.41 0.00	46.60 2.71 0.00	42.52 2.26 -0.20	50.48 1.99 -0.14	51.66 1.62 -0.18



RAVENSWOOD_GT_9 24257	38.55 1.45 -0.41	38.47 1.25 -0.10	40.36 1.07 0.00	36.56 1.16 0.00	38.48 1.22 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.56 2.50 0.00	36.81 2.49 0.00	38.08 2.51 0.00	39.75 2.46 0.00	41.85 2.54 0.00	47.74 2.80 0.00	53.98 3.41 0.00	39.36 2.58 0.00	49.69 3.00 0.00	47.01 2.94 0.00	54.10 3.41 0.00	46.60 2.71 0.00	42.52 2.26 -0.20	50.48 1.99 -0.14	51.66 1.62 -0.18
RAVENSWOOD___1 23533	34.78 1.55 3.47	37.48 1.35 0.99	40.04 1.20 0.45	36.69 1.29 0.00	38.61 1.36 0.00	37.42 1.60 0.00	46.28 2.62 0.00	95.89 5.61 0.00	38.29 2.58 0.00	37.79 2.71 -0.01	37.06 2.73 -0.01	38.30 2.73 -0.01	39.98 2.69 0.00	42.11 2.79 -0.01	47.97 3.03 0.00	54.24 3.66 0.00	39.52 2.74 0.00	49.86 3.16 0.00	47.16 3.10 0.00	54.22 3.54 0.00	46.76 2.87 0.00	40.68 2.37 1.75	49.29 2.08 1.15	50.07 1.74 1.54
RAVENSWOOD___2 23534	34.78 1.55 3.47	37.48 1.35 0.99	40.04 1.20 0.45	36.69 1.29 0.00	38.61 1.36 0.00	37.42 1.60 0.00	46.28 2.62 0.00	95.89 5.61 0.00	38.29 2.58 0.00	37.79 2.71 -0.01	37.06 2.73 -0.01	38.30 2.73 -0.01	39.98 2.69 0.00	42.11 2.79 -0.01	47.97 3.03 0.00	54.24 3.66 0.00	39.52 2.74 0.00	49.86 3.16 0.00	47.16 3.10 0.00	54.22 3.54 0.00	46.76 2.87 0.00	40.68 2.37 1.75	49.29 2.08 1.15	50.07 1.74 1.54
RAVENSWOOD___3 23535	38.16 1.47 0.00	38.37 1.25 0.00	40.37 1.08 0.00	36.56 1.16 0.00	38.48 1.23 0.00	37.31 1.49 0.00	46.12 2.46 0.00	95.63 5.34 0.00	38.10 2.39 0.00	37.58 2.51 0.00	36.84 2.52 0.00	38.08 2.52 0.00	39.76 2.47 0.00	41.86 2.55 0.00	47.74 2.80 0.00	53.99 3.42 0.00	39.36 2.58 0.00	49.69 2.99 0.00	47.01 2.94 0.00	54.10 3.41 0.00	46.61 2.72 0.00	42.32 2.26 0.00	50.35 1.99 0.00	51.49 1.62 0.00
RAVENSWOOD___4 23820	34.78 1.55 3.47	37.48 1.35 0.99	40.04 1.20 0.45	36.69 1.29 0.00	38.61 1.36 0.00	37.42 1.60 0.00	46.28 2.62 0.00	95.89 5.61 0.00	38.29 2.58 0.00	37.79 2.71 -0.01	37.06 2.73 -0.01	38.30 2.73 -0.01	39.98 2.69 0.00	42.11 2.79 -0.01	47.97 3.03 0.00	54.24 3.66 0.00	39.52 2.74 0.00	49.86 3.16 0.00	47.16 3.10 0.00	54.22 3.54 0.00	46.76 2.87 0.00	40.68 2.37 1.75	49.29 2.08 1.15	50.07 1.74 1.54
RCPI_TRUST___DRP 24196	38.11 1.42 0.00	38.35 1.24 0.00	40.35 1.06 0.00	36.55 1.14 0.00	38.47 1.22 0.00	37.30 1.48 0.00	46.12 2.46 0.00	95.64 5.36 0.00	38.09 2.38 0.00	37.56 2.49 0.00	36.80 2.48 0.00	38.08 2.51 0.00	39.75 2.46 0.00	41.85 2.54 0.00	47.75 2.81 0.00	53.99 3.42 0.00	39.38 2.59 0.00	49.71 3.01 0.00	47.03 2.96 0.00	54.11 3.42 0.00	46.61 2.72 0.00	42.31 2.25 0.00	50.30 1.95 0.00	51.45 1.58 0.00
RED___ROCHESTER 323720	36.39 -0.31 0.00	36.83 -0.28 0.00	38.99 -0.30 0.00	35.02 -0.39 0.00	36.95 -0.30 0.00	35.61 -0.20 0.00	43.22 -0.45 0.00	89.25 -1.03 0.00	35.00 -0.71 0.00	33.30 -0.75 1.02	32.60 -0.71 1.02	33.74 -0.69 1.13	36.88 -0.41 0.00	38.99 -0.33 0.00	44.17 -0.34 0.42	48.90 -0.95 0.72	35.58 -1.06 0.15	44.14 -0.92 1.64	39.74 -0.77 3.55	49.27 -0.89 0.52	43.29 -0.60 0.00	39.75 -0.31 0.00	48.05 -0.31 0.00	49.72 -0.14 0.00
REGAN___SOLAR 323812	38.83 2.14 0.00	39.20 2.08 0.00	41.45 2.16 0.00	37.39 1.99 0.00	39.39 2.14 0.00	38.06 2.24 0.00	46.78 3.11 0.00	97.20 6.91 0.00	38.31 2.60 0.00	37.12 2.05 0.00	35.83 1.51 0.00	36.95 1.39 0.00	38.01 0.72 0.00	40.34 1.03 0.00	47.03 2.09 0.00	52.14 1.57 0.00	38.08 1.29 0.00	48.53 1.83 0.00	46.69 2.63 0.00	54.00 3.32 0.00	46.71 2.82 0.00	42.45 2.39 0.00	51.02 2.66 0.00	52.37 2.51 0.00
RENSSELAER___COGEN 23796	37.12 0.42 0.00	37.42 0.30 0.00	39.51 0.21 0.00	35.84 0.43 0.00	37.64 0.39 0.00	36.39 0.57 0.00	44.65 0.99 0.00	92.53 2.24 0.00	36.64 0.93 0.00	36.02 0.95 0.00	35.17 0.85 0.00	36.32 0.75 0.00	37.89 0.60 0.00	39.86 0.55 0.00	45.60 0.66 0.00	51.46 0.89 0.00	37.66 0.87 0.00	47.70 1.00 0.00	45.01 0.93 0.00	51.74 1.06 0.00	44.64 0.74 0.00	40.55 0.50 0.00	48.51 0.15 0.00	49.63 -0.24 0.00
REPUBLIC_115KV_BARTNBRK 55605	40.87 4.18 0.00	41.25 4.13 0.00	43.70 4.40 0.00	39.65 4.24 0.00	41.55 4.29 0.00	40.22 4.41 0.00	50.06 6.39 0.00	102.92 12.63 0.00	40.37 4.66 0.00	39.72 4.65 0.00	38.93 4.61 0.00	40.16 4.60 0.00	41.83 4.54 0.00	44.15 4.84 0.00	50.41 5.47 0.00	57.02 6.45 0.00	41.32 4.53 0.00	51.77 5.07 0.00	49.59 5.52 0.00	57.14 6.46 0.00	49.21 5.32 0.00	44.87 4.82 0.00	53.88 5.52 0.00	54.69 4.83 0.00
REVERE_CPFR_DRP 24186	37.57 0.87 0.00	37.97 0.86 0.00	40.13 0.85 0.00	36.16 0.76 0.00	38.12 0.86 0.00	36.86 1.05 0.00	45.05 1.39 0.00	93.40 3.12 0.00	37.07 1.36 0.00	36.09 1.02 0.00	35.30 0.97 0.00	36.44 0.87 0.00	38.28 0.99 0.00	40.27 0.95 0.00	45.96 1.03 0.00	51.54 0.97 0.00	37.76 0.97 0.00	48.02 1.31 0.00	45.52 1.46 0.00	52.18 1.50 0.00	45.19 1.30 0.00	41.11 1.05 0.00	49.71 1.35 0.00	51.26 1.39 0.00
REYNOLDS_115KV_TB3 80639	37.37 0.68 0.00	37.68 0.56 0.00	39.76 0.47 0.00	36.07 0.66 0.00	37.89 0.63 0.00	36.63 0.81 0.00	44.95 1.29 0.00	93.23 2.94 0.00	36.89 1.18 0.00	36.25 1.18 0.00	35.40 1.08 0.00	36.58 1.01 0.00	38.16 0.87 0.00	40.17 0.86 0.00	45.96 1.02 0.00	51.85 1.28 0.00	37.89 1.10 0.00	48.04 1.34 0.00	45.34 1.27 0.00	52.05 1.37 0.00	44.89 1.00 0.00	40.79 0.73 0.00	48.80 0.44 0.00	49.91 0.04 0.00
RIVERBAY____ 323610	38.12 1.43 0.00	38.28 1.21 0.05	40.28 1.07 0.08	36.51 1.11 0.00	38.43 1.18 0.00	37.24 1.42 0.00	46.11 2.45 0.00	95.48 5.19 0.00	38.11 2.40 0.00	37.63 2.57 0.00	36.85 2.53 0.00	38.09 2.52 0.00	39.74 2.45 0.00	41.83 2.52 0.00	47.66 2.72 0.00	53.93 3.36 0.00	39.30 2.51 0.00	49.62 2.92 0.00	47.10 3.03 0.00	54.15 3.46 0.00	46.67 2.78 0.00	42.28 2.22 0.00	50.33 1.97 0.00	51.39 1.52 0.00
RIVERSDE_115KV_TB3 55908	37.28 0.59 0.00	37.57 0.46 0.00	39.65 0.36 0.00	35.98 0.57 0.00	37.79 0.53 0.00	36.54 0.72 0.00	44.84 1.18 0.00	93.00 2.72 0.00	36.85 1.14 0.00	36.22 1.15 0.00	35.36 1.04 0.00	36.54 0.97 0.00	38.11 0.82 0.00	40.11 0.79 0.00	45.89 0.95 0.00	51.73 1.16 0.00	37.82 1.03 0.00	47.92 1.22 0.00	45.24 1.17 0.00	51.94 1.26 0.00	44.81 0.92 0.00	40.71 0.65 0.00	48.69 0.34 0.00	49.80 -0.07 0.00
ROARING___BROOK_WT_PWR 323790	35.78 -0.91 0.00	36.50 -0.61 0.00	38.93 -0.36 0.00	35.03 -0.37 0.00	36.81 -0.44 0.00	34.90 -0.91 0.00	42.34 -1.32 0.00	87.43 -2.86 0.00	34.76 -0.95 0.00	34.08 -0.99 0.00	33.39 -0.94 0.00	34.64 -0.92 0.00	36.33 -0.96 0.00	38.29 -1.03 0.00	43.77 -1.17 0.00	49.22 -1.35 0.00	35.99 -0.80 0.00	45.87 -0.83 0.00	43.14 -0.93 0.00	49.30 -1.39 0.00	42.82 -1.07 0.00	39.22 -0.83 0.00	48.01 -0.35 0.00	49.85 -0.02 0.00



ROCHESRG_115KV_T4 355643	36.00 -0.69 0.00	36.45 -0.66 0.00	38.61 -0.68 0.00	34.67 -0.73 0.00	36.58 -0.68 0.00	35.23 -0.59 0.00	42.69 -0.97 0.00	88.10 -2.19 0.00	34.60 -1.11 0.00	32.88 -1.17 1.02	32.21 -1.10 1.02	33.35 -1.09 1.13	36.48 -0.81 0.00	38.58 -0.73 0.00	43.73 -0.78 0.43	48.46 -1.39 0.72	35.25 -1.38 0.15	43.61 -1.44 1.65	39.16 -1.35 3.56	48.65 -1.51 0.52	42.74 -1.15 0.00	39.26 -0.80 0.00	47.51 -0.84 0.00	49.22 -0.64 0.00
ROCHESTER_9_IC 23652	36.21 -0.49 0.00	36.65 -0.47 0.00	38.81 -0.48 0.00	34.86 -0.55 0.00	36.77 -0.49 0.00	35.43 -0.39 0.00	42.96 -0.70 0.00	88.72 -1.57 0.00	34.82 -0.89 0.00	33.10 -0.95 1.02	32.41 -0.89 1.02	33.56 -0.88 1.13	36.70 -0.59 0.00	38.80 -0.51 0.00	43.97 -0.54 0.42	48.71 -1.15 0.72	35.41 -1.22 0.15	43.87 -1.19 1.64	39.43 -1.08 3.55	48.97 -1.19 0.52	43.03 -0.86 0.00	39.52 -0.54 0.00	47.80 -0.56 0.00	49.47 -0.39 0.00
ROCKVIEW_13_KV_LD 356306	38.21 1.52 0.00	38.45 1.34 0.00	40.47 1.18 0.00	36.65 1.25 0.00	38.59 1.33 0.00	37.39 1.58 0.00	46.20 2.54 0.00	95.77 5.48 0.00	38.14 2.42 0.00	37.60 2.53 0.00	36.84 2.52 0.00	38.11 2.55 0.00	39.79 2.50 0.00	41.88 2.56 0.00	47.76 2.82 0.00	53.99 3.42 0.00	39.36 2.57 0.00	49.73 3.03 0.00	47.04 2.98 0.00	54.17 3.49 0.00	46.66 2.77 0.00	42.38 2.32 0.00	50.45 2.09 0.00	51.59 1.73 0.00
ROME____115KV_TB2 80656	37.57 0.87 0.00	37.97 0.86 0.00	40.13 0.85 0.00	36.16 0.76 0.00	38.12 0.86 0.00	36.86 1.05 0.00	45.05 1.39 0.00	93.40 3.12 0.00	37.07 1.36 0.00	36.09 1.02 0.00	35.30 0.97 0.00	36.44 0.87 0.00	38.28 0.99 0.00	40.27 0.95 0.00	45.96 1.03 0.00	51.54 0.97 0.00	37.76 0.97 0.00	48.02 1.31 0.00	45.52 1.46 0.00	52.18 1.50 0.00	45.19 1.30 0.00	41.11 1.05 0.00	49.71 1.35 0.00	51.26 1.39 0.00
ROSETON___1 23587	37.64 0.95 0.00	37.92 0.80 0.00	40.02 0.72 0.00	36.25 0.85 0.00	38.16 0.90 0.00	36.94 1.12 0.00	45.55 1.89 0.00	94.37 4.08 0.00	37.53 1.82 0.00	36.98 1.91 0.00	36.21 1.89 0.00	37.43 1.87 0.00	39.08 1.79 0.00	41.13 1.82 0.00	46.94 2.00 0.00	53.03 2.46 0.00	38.67 1.89 0.00	48.89 2.19 0.00	46.23 2.17 0.00	53.26 2.58 0.00	45.91 2.02 0.00	41.72 1.66 0.00	49.75 1.39 0.00	50.91 1.05 0.00
ROSETON___2 23588	37.64 0.95 0.00	37.92 0.80 0.00	40.02 0.72 0.00	36.25 0.85 0.00	38.16 0.90 0.00	36.94 1.12 0.00	45.55 1.89 0.00	94.37 4.08 0.00	37.53 1.82 0.00	36.98 1.91 0.00	36.21 1.89 0.00	37.43 1.87 0.00	39.08 1.79 0.00	41.13 1.82 0.00	46.94 2.00 0.00	53.03 2.46 0.00	38.67 1.89 0.00	48.89 2.19 0.00	46.23 2.17 0.00	53.26 2.58 0.00	45.91 2.02 0.00	41.72 1.66 0.00	49.75 1.39 0.00	50.91 1.05 0.00
ROTRRDAM_115KV_TB3 80664	37.58 0.89 0.00	37.93 0.82 0.00	40.12 0.84 0.00	36.27 0.87 0.00	38.11 0.85 0.00	36.82 1.00 0.00	45.20 1.55 0.00	93.63 3.35 0.00	37.04 1.33 0.00	36.35 1.28 0.00	35.46 1.14 0.00	36.66 1.09 0.00	38.25 0.96 0.00	40.32 1.01 0.00	46.21 1.27 0.00	52.06 1.49 0.00	37.93 1.14 0.00	48.10 1.40 0.00	45.55 1.48 0.00	52.43 1.75 0.00	45.29 1.40 0.00	41.21 1.15 0.00	49.43 1.07 0.00	50.71 0.85 0.00
RUSSELL___1 23602	36.39 -0.30 0.00	36.83 -0.28 0.00	38.99 -0.30 0.00	35.02 -0.39 0.00	36.95 -0.31 0.00	35.61 -0.20 0.00	43.20 -0.46 0.00	89.26 -1.03 0.00	35.00 -0.71 0.00	33.29 -0.76 1.02	32.60 -0.70 1.02	33.74 -0.70 1.13	36.88 -0.41 0.00	38.99 -0.32 0.00	44.17 -0.35 0.42	48.90 -0.96 0.72	35.56 -1.08 0.15	44.12 -0.93 1.64	39.70 -0.82 3.55	49.27 -0.89 0.52	43.29 -0.60 0.00	39.75 -0.31 0.00	48.05 -0.31 0.00	49.72 -0.14 0.00
RUSSELL___2 23532	36.39 -0.30 0.00	36.83 -0.28 0.00	38.99 -0.30 0.00	35.02 -0.39 0.00	36.95 -0.31 0.00	35.61 -0.20 0.00	43.20 -0.46 0.00	89.26 -1.03 0.00	35.00 -0.71 0.00	33.29 -0.76 1.02	32.60 -0.70 1.02	33.74 -0.70 1.13	36.88 -0.41 0.00	38.99 -0.32 0.00	44.17 -0.35 0.42	48.90 -0.96 0.72	35.56 -1.08 0.15	44.12 -0.93 1.64	39.70 -0.82 3.55	49.27 -0.89 0.52	43.29 -0.60 0.00	39.75 -0.31 0.00	48.05 -0.31 0.00	49.72 -0.14 0.00
RUSSELL___3 23549	36.39 -0.30 0.00	36.83 -0.28 0.00	38.99 -0.30 0.00	35.02 -0.39 0.00	36.95 -0.31 0.00	35.61 -0.20 0.00	43.20 -0.46 0.00	89.26 -1.03 0.00	35.00 -0.71 0.00	33.29 -0.76 1.02	32.60 -0.70 1.02	33.74 -0.70 1.13	36.88 -0.41 0.00	38.99 -0.32 0.00	44.17 -0.35 0.42	48.90 -0.96 0.72	35.56 -1.08 0.15	44.12 -0.93 1.64	39.70 -0.82 3.55	49.27 -0.89 0.52	43.29 -0.60 0.00	39.75 -0.31 0.00	48.05 -0.31 0.00	49.72 -0.14 0.00
RUSSELL___4 23556	36.39 -0.30 0.00	36.83 -0.28 0.00	38.99 -0.30 0.00	35.02 -0.39 0.00	36.95 -0.31 0.00	35.61 -0.20 0.00	43.20 -0.46 0.00	89.26 -1.03 0.00	35.00 -0.71 0.00	33.29 -0.76 1.02	32.60 -0.70 1.02	33.74 -0.70 1.13	36.88 -0.41 0.00	38.99 -0.32 0.00	44.17 -0.35 0.42	48.90 -0.96 0.72	35.56 -1.08 0.15	44.12 -0.93 1.64	39.70 -0.82 3.55	49.27 -0.89 0.52	43.29 -0.60 0.00	39.75 -0.31 0.00	48.05 -0.31 0.00	49.72 -0.14 0.00
RUSSELL___STATION 23914	36.39 -0.30 0.00	36.83 -0.28 0.00	38.99 -0.30 0.00	35.02 -0.39 0.00	36.95 -0.31 0.00	35.61 -0.20 0.00	43.20 -0.46 0.00	89.26 -1.03 0.00	35.00 -0.71 0.00	33.29 -0.76 1.02	32.60 -0.70 1.02	33.74 -0.70 1.13	36.88 -0.41 0.00	38.99 -0.32 0.00	44.17 -0.35 0.42	48.90 -0.96 0.72	35.56 -1.08 0.15	44.12 -0.93 1.64	39.70 -0.82 3.55	49.27 -0.89 0.52	43.29 -0.60 0.00	39.75 -0.31 0.00	48.05 -0.31 0.00	49.72 -0.14 0.00
S SALMON___HYD 24043	35.76 -0.94 0.00	36.19 -0.92 0.00	38.31 -0.98 0.00	34.55 -0.86 0.00	36.54 -0.72 0.00	35.30 -0.52 0.00	42.78 -0.88 0.00	88.33 -1.95 0.00	34.72 -0.99 0.00	33.84 -1.23 0.00	33.07 -1.25 0.00	34.28 -1.28 0.00	35.62 -1.67 0.00	37.75 -1.57 0.00	43.11 -1.83 0.00	48.61 -1.96 0.00	35.45 -1.34 0.00	45.01 -1.68 0.00	42.62 -1.45 0.00	49.22 -1.46 0.00	42.78 -1.11 0.00	39.00 -1.05 0.00	47.45 -0.91 0.00	49.11 -0.76 0.00
S.PERRY__115KV_TB1 80734	38.33 1.63 0.00	38.69 1.58 0.00	40.98 1.70 0.00	36.76 1.36 0.00	38.87 1.61 0.00	37.56 1.75 0.00	46.11 2.45 0.00	95.37 5.08 0.00	37.06 1.35 0.00	34.76 0.71 1.02	34.32 1.01 1.02	34.79 0.34 1.13	38.07 0.78 0.00	40.16 0.84 0.00	45.41 0.89 0.42	50.30 0.45 0.72	36.35 -0.29 0.15	45.39 0.33 1.64	41.20 0.67 3.54	52.10 1.94 0.52	46.08 2.19 0.00	42.26 2.20 0.00	50.84 2.49 0.00	52.40 2.54 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	35.31 -1.38 0.00	35.83 -1.28 0.00	38.00 -1.29 0.00	34.04 -1.37 0.00	35.96 -1.30 0.00	34.60 -1.21 0.00	41.56 -2.10 0.00	85.57 -4.72 0.00	33.64 -2.07 0.00	30.96 -2.16 1.95	30.42 -1.97 1.94	31.51 -1.91 2.15	35.90 -1.39 0.00	38.07 -1.24 0.00	42.86 -1.27 0.81	46.93 -2.27 1.37	34.25 -2.25 0.28	40.95 -2.62 3.13	34.68 -2.62 6.77	46.70 -2.98 1.00	41.57 -2.32 0.00	38.48 -1.58 0.00	46.78 -1.58 0.00	48.76 -1.10 0.00



SAWYER___23_KV_LOAD 55526	35.31 -1.38 0.00	35.83 -1.28 0.00	38.00 -1.29 0.00	34.04 -1.37 0.00	35.96 -1.30 0.00	34.60 -1.21 0.00	41.56 -2.10 0.00	85.57 -4.72 0.00	33.64 -2.07 0.00	30.96 -2.16 1.95	30.42 -1.97 1.94	31.51 -1.91 2.15	35.90 -1.39 0.00	38.07 -1.24 0.00	42.86 -1.27 0.81	46.93 -2.27 1.37	34.25 -2.25 0.28	40.95 -2.62 3.13	34.68 -2.62 6.77	46.70 -2.98 1.00	41.57 -2.32 0.00	38.48 -1.58 0.00	46.78 -1.58 0.00	48.76 -1.10 0.00
SELKIRK___I 23801	37.43 0.74 0.00	37.75 0.64 0.00	39.90 0.61 0.00	36.15 0.74 0.00	37.97 0.71 0.00	36.71 0.89 0.00	45.03 1.37 0.00	93.22 2.94 0.00	36.89 1.18 0.00	36.19 1.13 0.00	35.23 0.91 0.00	36.37 0.80 0.00	37.98 0.69 0.00	40.00 0.69 0.00	45.82 0.88 0.00	51.73 1.16 0.00	37.84 1.05 0.00	47.97 1.27 0.00	45.33 1.26 0.00	52.13 1.45 0.00	45.00 1.11 0.00	40.91 0.86 0.00	49.00 0.64 0.00	50.18 0.32 0.00
SELKIRK___II 23799	37.24 0.55 0.00	37.55 0.43 0.00	39.68 0.39 0.00	35.95 0.54 0.00	37.75 0.50 0.00	36.49 0.68 0.00	44.78 1.12 0.00	92.79 2.51 0.00	36.75 1.04 0.00	36.12 1.05 0.00	35.28 0.96 0.00	36.44 0.88 0.00	38.04 0.75 0.00	40.04 0.73 0.00	45.79 0.85 0.00	51.68 1.11 0.00	37.77 0.99 0.00	47.86 1.16 0.00	45.19 1.12 0.00	51.94 1.26 0.00	44.84 0.95 0.00	40.75 0.69 0.00	48.77 0.42 0.00	49.94 0.08 0.00
SENECA OSWGO___HYD 24041	36.20 -0.49 0.00	36.58 -0.54 0.00	38.70 -0.59 0.00	34.87 -0.53 0.00	36.74 -0.51 0.00	35.40 -0.42 0.00	43.13 -0.53 0.00	89.06 -1.22 0.00	35.02 -0.69 0.00	34.30 -0.77 0.00	33.52 -0.80 0.00	34.72 -0.84 0.00	36.43 -0.87 0.00	38.46 -0.85 0.00	43.97 -0.97 0.00	49.53 -1.04 0.00	36.00 -0.79 0.00	45.77 -0.93 0.00	43.25 -0.82 0.00	49.77 -0.91 0.00	43.14 -0.75 0.00	39.36 -0.70 0.00	47.51 -0.85 0.00	49.07 -0.79 0.00
SENECA___115KV_TB3 355854	35.64 -1.06 0.00	36.15 -0.97 0.00	38.31 -0.98 0.00	34.30 -1.11 0.00	36.27 -0.99 0.00	34.95 -0.87 0.00	42.03 -1.63 0.00	86.64 -3.65 0.00	34.07 -1.65 0.00	31.74 -1.74 1.60	31.16 -1.57 1.59	32.27 -1.53 1.76	36.33 -0.97 0.00	38.49 -0.82 0.00	43.47 -0.81 0.66	47.70 -1.74 1.12	34.68 -1.87 0.23	41.99 -2.15 2.57	36.36 -2.16 5.55	47.46 -2.40 0.82	42.08 -1.82 0.00	38.94 -1.12 0.00	47.31 -1.05 0.00	49.34 -0.52 0.00
SENECA___ENERGY 23797	36.32 -0.37 0.00	36.69 -0.42 0.00	38.77 -0.52 0.00	34.89 -0.52 0.00	36.79 -0.46 0.00	35.48 -0.34 0.00	43.31 -0.35 0.00	89.55 -0.73 0.00	35.20 -0.51 0.00	35.28 -0.63 -0.83	34.56 -0.60 -0.83	35.84 -0.65 -0.92	36.76 -0.53 0.00	38.80 -0.51 0.00	44.71 -0.57 -0.35	50.36 -0.80 -0.59	36.10 -0.80 -0.12	47.20 -0.85 -1.34	46.24 -0.73 -2.91	50.45 -0.66 -0.43	43.50 -0.39 0.00	39.69 -0.36 0.00	47.83 -0.53 0.00	49.44 -0.43 0.00
SHOEMAKER___GT 23640	37.59 0.90 0.00	37.87 0.76 0.00	39.96 0.67 0.00	36.14 0.74 0.00	38.05 0.79 0.00	36.80 0.99 0.00	45.31 1.65 0.00	93.87 3.59 0.00	37.29 1.58 0.00	36.73 1.66 0.00	35.97 1.65 0.00	37.18 1.62 0.00	38.76 1.47 0.00	40.73 1.42 0.00	46.51 1.58 0.00	52.54 1.97 0.00	38.23 1.44 0.00	48.35 1.65 0.00	45.80 1.74 0.00	52.95 2.27 0.00	45.69 1.80 0.00	41.55 1.50 0.00	49.60 1.24 0.00	50.80 0.93 0.00
SHOEMAKR_138KV_BK 111 55601	37.57 0.87 0.00	37.85 0.74 0.00	39.93 0.64 0.00	36.12 0.72 0.00	38.03 0.78 0.00	36.78 0.97 0.00	45.29 1.63 0.00	93.81 3.52 0.00	37.28 1.57 0.00	36.72 1.66 0.00	35.95 1.63 0.00	37.16 1.60 0.00	38.76 1.47 0.00	40.76 1.45 0.00	46.53 1.60 0.00	52.57 2.00 0.00	38.27 1.49 0.00	48.41 1.71 0.00	45.85 1.78 0.00	52.95 2.26 0.00	45.66 1.77 0.00	41.53 1.47 0.00	49.59 1.23 0.00	50.77 0.91 0.00
SHOREHAM_IC_1 23715	38.44 0.85 -0.89	37.72 0.61 0.00	39.60 0.32 0.00	35.82 0.41 0.00	38.10 0.84 0.00	35.53 0.87 1.15	58.43 2.51 -12.26	91.05 2.80 2.04	36.22 1.34 0.82	37.37 1.30 -1.00	55.12 1.34 -19.46	56.36 1.47 -19.33	53.85 1.74 -14.81	44.29 1.95 -3.02	48.80 2.06 -1.80	72.60 3.53 -18.50	45.07 2.15 -6.13	55.32 2.24 -6.38	92.19 2.95 -45.18	104.67 3.97 -50.02	59.18 2.51 -12.78	64.86 2.25 -22.56	89.09 2.90 -37.83	68.05 2.27 -15.93
SHOREHAM_IC_2 23716	38.44 0.85 -0.89	37.72 0.61 0.00	39.60 0.32 0.00	35.82 0.41 0.00	38.10 0.84 0.00	35.53 0.87 1.15	58.43 2.51 -12.26	91.05 2.80 2.04	36.22 1.34 0.82	37.37 1.30 -1.00	55.12 1.34 -19.46	56.36 1.47 -19.33	53.85 1.74 -14.81	44.29 1.95 -3.02	48.80 2.06 -1.80	72.60 3.53 -18.50	45.07 2.15 -6.13	55.32 2.24 -6.38	92.19 2.95 -45.18	104.67 3.97 -50.02	59.18 2.51 -12.78	64.86 2.25 -22.56	89.09 2.90 -37.83	68.05 2.27 -15.93
SISSONVILLE____ 23735	36.05 -0.64 0.00	36.71 -0.41 0.00	38.96 -0.33 0.00	34.93 -0.48 0.00	36.84 -0.42 0.00	41.90 -0.69 -6.78	52.49 -1.15 -9.99	102.79 -2.37 -14.88	36.54 -0.78 -1.61	34.22 -0.85 0.00	33.50 -0.82 0.00	34.90 -0.67 0.00	36.52 -0.77 0.00	38.62 -0.69 0.00	43.96 -0.97 0.00	49.22 -1.35 0.00	35.82 -0.97 0.00	45.49 -1.20 0.00	42.81 -1.26 0.00	49.44 -1.25 0.00	43.03 -0.86 0.00	39.33 -0.73 0.00	48.04 -0.32 0.00	49.74 -0.12 0.00
SITHE_IND_GS1 24169	35.93 -0.77 0.00	36.33 -0.78 0.00	38.45 -0.84 0.00	34.64 -0.77 0.00	36.47 -0.79 0.00	35.08 -0.73 0.00	42.68 -0.98 0.00	88.06 -2.23 0.00	34.66 -1.05 0.00	33.99 -1.09 0.00	33.23 -1.09 0.00	34.43 -1.13 0.00	36.14 -1.15 0.00	38.13 -1.18 0.00	43.59 -1.35 0.00	49.12 -1.45 0.00	35.70 -1.09 0.00	45.37 -1.33 0.00	42.86 -1.21 0.00	49.28 -1.40 0.00	42.70 -1.19 0.00	39.00 -1.05 0.00	47.16 -1.20 0.00	48.75 -1.12 0.00
SITHE_IND_GS2 24170	35.93 -0.77 0.00	36.33 -0.78 0.00	38.45 -0.84 0.00	34.64 -0.77 0.00	36.47 -0.79 0.00	35.08 -0.73 0.00	42.68 -0.98 0.00	88.06 -2.23 0.00	34.66 -1.05 0.00	33.99 -1.09 0.00	33.23 -1.09 0.00	34.43 -1.13 0.00	36.14 -1.15 0.00	38.13 -1.18 0.00	43.59 -1.35 0.00	49.12 -1.45 0.00	35.70 -1.09 0.00	45.37 -1.33 0.00	42.86 -1.21 0.00	49.28 -1.40 0.00	42.70 -1.19 0.00	39.00 -1.05 0.00	47.16 -1.20 0.00	48.75 -1.12 0.00
SITHE_IND_GS3 24171	35.93 -0.77 0.00	36.33 -0.78 0.00	38.45 -0.84 0.00	34.64 -0.77 0.00	36.47 -0.79 0.00	35.08 -0.73 0.00	42.68 -0.98 0.00	88.06 -2.23 0.00	34.66 -1.05 0.00	33.99 -1.09 0.00	33.23 -1.09 0.00	34.43 -1.13 0.00	36.14 -1.15 0.00	38.13 -1.18 0.00	43.59 -1.35 0.00	49.12 -1.45 0.00	35.70 -1.09 0.00	45.37 -1.33 0.00	42.86 -1.21 0.00	49.28 -1.40 0.00	42.70 -1.19 0.00	39.00 -1.05 0.00	47.16 -1.20 0.00	48.75 -1.12 0.00
SITHE_IND_GS4 24172	35.93 -0.77 0.00	36.33 -0.78 0.00	38.45 -0.84 0.00	34.64 -0.77 0.00	36.47 -0.79 0.00	35.08 -0.73 0.00	42.68 -0.98 0.00	88.06 -2.23 0.00	34.66 -1.05 0.00	33.99 -1.09 0.00	33.23 -1.09 0.00	34.43 -1.13 0.00	36.14 -1.15 0.00	38.13 -1.18 0.00	43.59 -1.35 0.00	49.12 -1.45 0.00	35.70 -1.09 0.00	45.37 -1.33 0.00	42.86 -1.21 0.00	49.28 -1.40 0.00	42.70 -1.19 0.00	39.00 -1.05 0.00	47.16 -1.20 0.00	48.75 -1.12 0.00



SITHE___BATAVIA 24024	36.46 -0.24 0.00	36.92 -0.19 0.00	39.12 -0.16 0.00	35.07 -0.33 0.00	37.10 -0.16 0.00	35.76 -0.06 0.00	43.23 -0.43 0.00	88.97 -1.32 0.00	34.80 -0.90 0.00	32.21 -0.99 1.87	31.34 -1.12 1.86	32.41 -1.09 2.07	36.85 -0.44 0.00	38.95 -0.36 0.00	43.68 -0.49 0.78	47.54 -1.72 1.32	35.21 -1.30 0.27	42.12 -1.57 3.01	36.20 -1.37 6.51	48.40 -1.32 0.96	43.03 -0.85 0.00	39.68 -0.37 0.00	48.14 -0.21 0.00	49.95 0.09 0.00
SITHE___INDEPEND 23800	35.93 -0.77 0.00	36.33 -0.78 0.00	38.45 -0.84 0.00	34.64 -0.77 0.00	36.47 -0.79 0.00	35.08 -0.73 0.00	42.68 -0.98 0.00	88.06 -2.22 0.00	34.66 -1.05 0.00	33.99 -1.09 0.00	33.24 -1.09 0.00	34.43 -1.13 0.00	36.15 -1.15 0.00	38.13 -1.19 0.00	43.59 -1.35 0.00	49.12 -1.45 0.00	35.70 -1.09 0.00	45.37 -1.33 0.00	42.85 -1.22 0.00	49.28 -1.40 0.00	42.70 -1.19 0.00	39.00 -1.05 0.00	47.16 -1.20 0.00	48.75 -1.12 0.00
SITHE___MASSENA 23902	37.03 0.34 0.00	37.62 0.50 0.00	39.92 0.63 0.00	35.82 0.41 0.00	37.70 0.45 0.00	37.56 0.15 -1.59	45.93 -0.08 -2.34	93.64 -0.15 -3.50	36.17 0.08 -0.38	35.16 0.09 0.00	34.48 0.16 0.00	35.89 0.33 0.00	37.71 0.42 0.00	39.79 0.48 0.00	45.41 0.48 0.00	50.85 0.28 0.00	36.93 0.15 0.00	46.91 0.21 0.00	44.10 0.03 0.00	50.81 0.13 0.00	44.12 0.23 0.00	40.36 0.30 0.00	49.14 0.78 0.00	50.86 1.00 0.00
SITHE___OGDNSBRG 24021	37.41 0.71 0.00	38.00 0.89 0.00	40.35 1.06 0.00	36.18 0.77 0.00	38.12 0.87 0.00	41.19 0.61 -4.76	51.19 0.51 -7.02	101.80 1.06 -10.46	37.39 0.55 -1.13	35.42 0.35 0.00	34.62 0.30 0.00	36.18 0.62 0.00	37.77 0.47 0.00	40.04 0.73 0.00	45.35 0.41 0.00	50.63 0.06 0.00	36.81 0.02 0.00	46.75 0.05 0.00	44.07 0.00 0.00	51.30 0.61 0.00	44.65 0.76 0.00	40.81 0.75 0.00	49.72 1.36 0.00	51.43 1.56 0.00
SITHE___STERLING 23777	37.35 0.65 0.00	37.73 0.61 0.00	39.88 0.59 0.00	35.95 0.54 0.00	37.86 0.61 0.00	36.57 0.75 0.00	44.76 1.10 0.00	92.73 2.44 0.00	36.67 0.96 0.00	35.76 0.69 0.00	34.97 0.65 0.00	36.12 0.56 0.00	37.95 0.66 0.00	39.96 0.64 0.00	45.61 0.66 0.00	51.23 0.66 0.00	37.47 0.69 0.00	47.56 0.86 0.00	45.15 1.08 0.00	51.83 1.15 0.00	44.86 0.97 0.00	40.84 0.79 0.00	49.26 0.90 0.00	50.76 0.89 0.00
SLEIGHT__34_KV_TB1 80719	36.21 -0.48 0.00	36.62 -0.49 0.00	38.77 -0.52 0.00	34.85 -0.55 0.00	36.72 -0.53 0.00	35.39 -0.42 0.00	43.10 -0.56 0.00	89.04 -1.24 0.00	34.96 -0.75 0.00	34.23 -0.84 0.00	33.54 -0.79 0.00	34.77 -0.80 0.00	36.65 -0.64 0.00	38.75 -0.56 0.00	44.33 -0.61 0.00	49.57 -1.00 0.00	35.75 -1.04 0.00	45.68 -1.02 0.00	43.13 -0.94 0.00	49.71 -0.97 0.00	43.18 -0.71 0.00	39.54 -0.52 0.00	47.72 -0.63 0.00	49.34 -0.52 0.00
SOUTH CAIRO___GT 23612	38.45 1.76 0.00	38.74 1.62 0.00	40.93 1.64 0.00	37.10 1.69 0.00	38.97 1.71 0.00	37.73 1.92 0.00	46.44 2.78 0.00	96.08 5.80 0.00	38.21 2.50 0.00	37.39 2.33 0.00	36.08 1.76 0.00	36.96 1.40 0.00	38.53 1.23 0.00	40.44 1.13 0.00	46.44 1.51 0.00	52.47 1.90 0.00	38.54 1.75 0.00	49.11 2.41 0.00	46.52 2.45 0.00	53.65 2.97 0.00	46.32 2.43 0.00	42.01 1.96 0.00	50.16 1.80 0.00	51.19 1.33 0.00
SOUTH HAMPTN___IC 23720	38.59 1.03 -0.87	37.93 0.81 0.00	39.68 0.39 0.00	35.73 0.33 0.00	37.97 0.72 0.00	35.43 0.79 1.18	58.30 2.41 -12.23	91.00 2.76 2.04	36.25 1.37 0.84	37.33 1.39 -0.86	55.04 1.43 -19.28	56.57 1.80 -19.20	54.37 2.37 -14.70	45.07 2.75 -3.01	49.64 2.95 -1.76	73.39 4.36 -18.45	45.71 2.80 -6.12	56.21 3.15 -6.36	92.79 3.73 -44.99	105.44 4.86 -49.90	59.78 3.21 -12.68	65.37 2.85 -22.46	89.56 3.46 -37.74	68.55 2.83 -15.85
SOUTHDOW_115KV_TB1 355954	35.76 -0.93 0.00	36.24 -0.88 0.00	38.22 -1.07 0.00	34.08 -1.33 0.00	36.16 -1.10 0.00	35.09 -0.73 0.00	42.51 -1.15 0.00	88.25 -2.04 0.00	34.65 -1.06 0.00	34.02 -1.05 0.00	33.28 -1.04 0.00	34.54 -1.03 0.00	36.93 -0.36 0.00	39.12 -0.19 0.00	44.85 -0.09 0.00	49.77 -0.80 0.00	35.40 -1.38 0.00	45.12 -1.58 0.00	42.62 -1.45 0.00	49.50 -1.19 0.00	42.87 -1.02 0.00	39.83 -0.22 0.00	48.36 0.00 0.00	51.07 1.21 0.00
SOUTHOLD_69_KV_BK 2 55809	38.47 0.90 -0.87	37.85 0.73 0.00	39.46 0.17 0.00	35.34 -0.06 0.00	37.52 0.27 0.00	35.03 0.39 1.17	57.85 1.95 -12.23	90.24 1.99 2.04	35.93 1.05 0.84	37.02 1.08 -0.87	54.75 1.14 -19.28	56.55 1.78 -19.21	54.69 2.69 -14.71	45.61 3.29 -3.01	50.26 3.56 -1.76	74.05 5.03 -18.45	46.18 3.27 -6.12	56.84 3.78 -6.36	93.43 4.37 -44.99	106.20 5.61 -49.90	60.26 3.69 -12.69	65.74 3.23 -22.46	89.95 3.85 -37.75	68.92 3.20 -15.86
SOUTHOLD___IC 23719	38.47 0.91 -0.87	37.86 0.74 0.00	39.46 0.17 0.00	35.34 -0.06 0.00	37.52 0.27 0.00	35.02 0.39 1.17	57.85 1.96 -12.23	90.18 1.94 2.04	35.92 1.05 0.84	37.02 1.09 -0.87	54.76 1.15 -19.28	56.56 1.79 -19.21	54.72 2.72 -14.71	45.61 3.29 -3.01	50.26 3.56 -1.76	74.05 5.02 -18.45	46.18 3.27 -6.12	56.84 3.78 -6.36	93.42 4.36 -44.99	106.18 5.59 -49.90	60.26 3.69 -12.69	65.77 3.25 -22.46	89.97 3.87 -37.75	68.95 3.23 -15.86
SOUTH_FORK_WT_PWR 323839	38.08 0.52 -0.87	37.50 0.39 0.00	38.97 -0.32 0.00	34.74 -0.66 0.00	36.85 -0.40 0.00	34.39 -0.25 1.18	57.09 1.20 -12.23	88.57 0.33 2.04	35.29 0.42 0.84	36.41 0.47 -0.87	54.17 0.56 -19.28	56.20 1.43 -19.21	54.65 2.66 -14.70	45.72 3.40 -3.01	50.39 3.70 -1.76	74.21 5.19 -18.45	46.28 3.38 -6.12	56.99 3.93 -6.36	93.56 4.50 -44.99	106.34 5.76 -49.90	60.26 3.68 -12.68	65.76 3.24 -22.46	89.97 3.87 -37.75	68.92 3.20 -15.85
SPIERFLS_115KV_TB 1 80737	38.96 2.27 0.00	39.32 2.21 0.00	41.66 2.37 0.00	37.71 2.30 0.00	39.57 2.31 0.00	38.31 2.49 0.00	47.30 3.64 0.00	97.97 7.68 0.00	38.67 2.96 0.00	37.89 2.82 0.00	36.99 2.67 0.00	38.12 2.56 0.00	39.69 2.40 0.00	41.91 2.60 0.00	48.00 3.06 0.00	54.12 3.55 0.00	39.33 2.55 0.00	49.75 3.05 0.00	47.36 3.29 0.00	54.59 3.91 0.00	47.08 3.20 0.00	42.78 2.73 0.00	51.25 2.89 0.00	52.31 2.44 0.00
ST LAWRENCE____ 23600	36.63 -0.06 0.00	37.19 0.08 0.00	39.48 0.19 0.00	35.43 0.03 0.00	37.29 0.04 0.00	35.56 -0.25 0.00	43.12 -0.54 0.00	89.15 -1.13 0.00	35.40 -0.31 0.00	34.82 -0.25 0.00	34.17 -0.15 0.00	35.53 -0.03 0.00	37.35 0.06 0.00	39.39 0.08 0.00	45.01 0.07 0.00	50.42 -0.15 0.00	36.63 -0.15 0.00	46.52 -0.19 0.00	43.72 -0.35 0.00	50.32 -0.37 0.00	43.66 -0.22 0.00	39.95 -0.11 0.00	48.58 0.22 0.00	50.23 0.37 0.00
STATE_CA_115KV_115_LB 55624	37.33 0.63 0.00	37.61 0.50 0.00	39.71 0.42 0.00	36.01 0.61 0.00	37.84 0.58 0.00	36.58 0.77 0.00	44.89 1.23 0.00	93.09 2.80 0.00	36.89 1.18 0.00	36.24 1.17 0.00	35.38 1.06 0.00	36.54 0.97 0.00	38.12 0.83 0.00	40.11 0.80 0.00	45.92 0.98 0.00	51.79 1.22 0.00	37.87 1.09 0.00	47.98 1.29 0.00	45.32 1.25 0.00	52.05 1.36 0.00	44.90 1.01 0.00	40.79 0.73 0.00	48.79 0.43 0.00	49.90 0.04 0.00



STATE_ST_34_KV_LOAD 55959	36.90 0.21 0.00	37.32 0.20 0.00	39.44 0.14 0.00	35.52 0.12 0.00	37.33 0.07 0.00	35.96 0.14 0.00	43.88 0.22 0.00	90.73 0.44 0.00	35.65 -0.06 0.00	34.94 -0.13 0.00	34.11 -0.21 0.00	35.35 -0.22 0.00	37.15 -0.14 0.00	39.21 -0.11 0.00	44.79 -0.15 0.00	50.40 -0.16 0.00	36.51 -0.27 0.00	46.54 -0.16 0.00	44.06 -0.01 0.00	50.70 0.02 0.00	44.07 0.18 0.00	40.29 0.23 0.00	48.59 0.23 0.00	50.14 0.27 0.00
STATION 5_MISC_HYD 23604	36.21 -0.49 0.00	36.65 -0.47 0.00	38.81 -0.48 0.00	34.86 -0.55 0.00	36.77 -0.49 0.00	35.43 -0.39 0.00	42.97 -0.69 0.00	88.73 -1.56 0.00	34.82 -0.88 0.00	33.11 -0.94 1.02	32.42 -0.89 1.02	33.57 -0.87 1.13	36.70 -0.59 0.00	38.80 -0.51 0.00	43.97 -0.54 0.42	48.71 -1.14 0.72	35.42 -1.22 0.15	43.89 -1.17 1.64	39.48 -1.03 3.55	48.97 -1.18 0.52	43.02 -0.87 0.00	39.52 -0.54 0.00	47.79 -0.56 0.00	49.48 -0.39 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	36.62 -0.07 0.00	37.02 -0.09 0.00	39.17 -0.12 0.00	35.21 -0.19 0.00	37.15 -0.10 0.00	35.83 0.02 0.00	43.67 0.01 0.00	90.30 0.01 0.00	35.45 -0.26 0.00	34.75 -0.32 0.00	34.00 -0.32 0.00	35.24 -0.32 0.00	37.13 -0.16 0.00	39.19 -0.12 0.00	44.82 -0.12 0.00	50.10 -0.47 0.00	36.14 -0.65 0.00	46.25 -0.45 0.00	43.72 -0.36 0.00	50.39 -0.29 0.00	43.77 -0.12 0.00	40.03 -0.03 0.00	48.29 -0.07 0.00	49.93 0.06 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	36.03 -0.66 0.00	36.46 -0.66 0.00	38.61 -0.68 0.00	34.69 -0.72 0.00	36.58 -0.68 0.00	35.25 -0.57 0.00	42.75 -0.91 0.00	88.29 -1.99 0.00	34.67 -1.04 0.00	33.12 -1.09 0.86	32.44 -1.03 0.86	33.59 -1.02 0.95	36.52 -0.77 0.00	38.63 -0.69 0.00	43.84 -0.74 0.36	48.63 -1.33 0.61	35.33 -1.33 0.13	43.97 -1.35 1.38	39.84 -1.24 3.00	48.86 -1.38 0.44	42.84 -1.05 0.00	39.32 -0.74 0.00	47.55 -0.81 0.00	49.21 -0.65 0.00
STA_56___34_KV_BUS2 355983	36.03 -0.66 0.00	36.46 -0.66 0.00	38.61 -0.68 0.00	34.69 -0.72 0.00	36.58 -0.68 0.00	35.25 -0.57 0.00	42.75 -0.91 0.00	88.29 -1.99 0.00	34.67 -1.04 0.00	33.12 -1.09 0.86	32.44 -1.03 0.86	33.59 -1.02 0.95	36.52 -0.77 0.00	38.63 -0.69 0.00	43.84 -0.74 0.36	48.63 -1.33 0.61	35.33 -1.33 0.13	43.97 -1.35 1.38	39.84 -1.24 3.00	48.86 -1.38 0.44	42.84 -1.05 0.00	39.32 -0.74 0.00	47.55 -0.81 0.00	49.21 -0.65 0.00
STA_67___115KV_BK2 355882	36.12 -0.57 0.00	36.57 -0.55 0.00	38.73 -0.56 0.00	34.78 -0.62 0.00	36.69 -0.57 0.00	35.35 -0.47 0.00	42.85 -0.81 0.00	88.46 -1.83 0.00	34.73 -0.98 0.00	33.01 -1.04 1.02	32.34 -0.97 1.02	33.48 -0.96 1.13	36.60 -0.69 0.00	38.71 -0.60 0.00	43.88 -0.64 0.42	48.61 -1.24 0.72	35.34 -1.30 0.15	43.76 -1.30 1.64	39.32 -1.19 3.56	48.84 -1.32 0.52	42.91 -0.98 0.00	39.41 -0.64 0.00	47.68 -0.68 0.00	49.37 -0.49 0.00
STA_7___115KV_9TRANS 80674	36.39 -0.30 0.00	36.83 -0.28 0.00	38.99 -0.30 0.00	35.02 -0.39 0.00	36.95 -0.31 0.00	35.61 -0.20 0.00	43.20 -0.46 0.00	89.26 -1.03 0.00	35.00 -0.71 0.00	33.29 -0.76 1.02	32.60 -0.70 1.02	33.74 -0.70 1.13	36.88 -0.41 0.00	38.99 -0.32 0.00	44.17 -0.35 0.42	48.90 -0.96 0.72	35.56 -1.08 0.15	44.12 -0.93 1.64	39.70 -0.82 3.55	49.27 -0.89 0.52	43.29 -0.60 0.00	39.75 -0.31 0.00	48.05 -0.31 0.00	49.72 -0.14 0.00
STA_82___115KV_TB1 80780	36.13 -0.56 0.00	36.57 -0.54 0.00	38.74 -0.55 0.00	34.79 -0.61 0.00	36.69 -0.56 0.00	35.36 -0.46 0.00	42.87 -0.79 0.00	88.52 -1.76 0.00	34.74 -0.97 0.00	33.01 -1.04 1.02	32.34 -0.96 1.02	33.48 -0.96 1.13	36.61 -0.68 0.00	38.71 -0.60 0.00	43.88 -0.64 0.42	48.61 -1.25 0.72	35.34 -1.30 0.15	43.76 -1.30 1.64	39.33 -1.19 3.54	48.84 -1.31 0.52	42.92 -0.97 0.00	39.42 -0.64 0.00	47.69 -0.67 0.00	49.37 -0.49 0.00
STEEL___WIND 323596	35.57 -1.13 0.00	36.09 -1.03 0.00	38.26 -1.03 0.00	34.25 -1.15 0.00	36.22 -1.04 0.00	34.91 -0.91 0.00	41.97 -1.69 0.00	86.47 -3.82 0.00	34.02 -1.69 0.00	31.69 -1.78 1.60	31.09 -1.64 1.59	32.21 -1.59 1.76	36.25 -1.04 0.00	38.42 -0.89 0.00	43.39 -0.89 0.66	47.61 -1.84 1.12	34.63 -1.92 0.23	41.91 -2.22 2.57	36.36 -2.15 5.55	47.38 -2.48 0.82	42.00 -1.89 0.00	38.86 -1.19 0.00	47.23 -1.13 0.00	49.30 -0.57 0.00
STEPHTWN_115KV_BK_2 55603	37.55 0.85 0.00	37.86 0.75 0.00	39.91 0.62 0.00	36.29 0.89 0.00	38.09 0.84 0.00	36.79 0.98 0.00	45.29 1.63 0.00	93.76 3.47 0.00	37.20 1.49 0.00	36.50 1.43 0.00	35.65 1.33 0.00	36.71 1.15 0.00	38.32 1.02 0.00	40.34 1.02 0.00	46.01 1.07 0.00	52.03 1.47 0.00	38.08 1.30 0.00	48.25 1.55 0.00	45.61 1.54 0.00	52.48 1.80 0.00	45.21 1.33 0.00	41.08 1.02 0.00	49.17 0.81 0.00	50.32 0.45 0.00
STEUBEN_REC_LFGE 323667	33.76 -2.93 0.00	34.54 -2.57 0.00	36.30 -2.99 0.00	32.59 -2.81 0.00	34.84 -2.41 0.00	33.47 -2.35 0.00	40.48 -3.18 0.00	83.28 -7.00 0.00	32.69 -3.03 0.00	41.03 -2.93 -8.89	40.14 -3.06 -8.87	42.11 -3.28 -9.82	34.16 -3.13 0.00	36.11 -3.20 0.00	44.82 -3.82 -3.70	52.52 -4.31 -6.26	34.65 -3.44 -1.30	57.15 -3.86 -14.31	71.73 -3.29 -30.95	51.88 -3.37 -4.57	41.58 -2.31 0.00	37.63 -2.43 0.00	45.91 -2.45 0.00	48.44 -1.43 0.00
STILLWATER___SOLAR 323814	38.55 1.86 0.00	38.98 1.87 0.00	41.56 2.27 0.00	37.55 2.15 0.00	39.08 1.82 0.00	37.81 1.99 0.00	46.55 2.89 0.00	96.35 6.07 0.00	38.08 2.37 0.00	37.32 2.25 0.00	36.38 2.06 0.00	37.47 1.90 0.00	39.03 1.73 0.00	41.24 1.93 0.00	47.31 2.37 0.00	53.33 2.76 0.00	38.84 2.05 0.00	49.23 2.53 0.00	46.66 2.59 0.00	53.79 3.11 0.00	46.41 2.52 0.00	42.12 2.06 0.00	50.48 2.12 0.00	51.62 1.75 0.00
STONY___BROOK 24151	38.96 1.31 -0.95	38.18 1.07 0.00	40.13 0.84 0.00	36.31 0.91 0.00	38.46 1.21 0.00	36.07 1.35 1.10	58.75 2.75 -12.34	92.36 4.09 2.02	36.95 2.04 0.80	38.51 2.12 -1.32	56.38 2.17 -19.89	57.45 2.26 -19.63	54.72 2.36 -15.08	44.91 2.54 -3.06	49.57 2.72 -1.91	72.80 3.62 -18.61	45.51 2.56 -6.17	55.99 2.88 -6.42	92.77 3.07 -45.63	104.88 3.89 -50.30	59.83 2.94 -13.01	65.44 2.60 -22.79	89.15 2.75 -38.04	68.31 2.35 -16.09
STURGEON_POOL_HYD 23609	37.91 1.22 0.00	38.18 1.06 0.00	40.28 0.99 0.00	36.46 1.05 0.00	38.37 1.11 0.00	37.14 1.33 0.00	45.83 2.17 0.00	95.05 4.77 0.00	37.80 2.09 0.00	37.27 2.20 0.00	36.52 2.19 0.00	37.74 2.18 0.00	39.33 2.04 0.00	41.33 2.02 0.00	47.15 2.21 0.00	53.30 2.73 0.00	38.93 2.14 0.00	49.23 2.53 0.00	46.59 2.52 0.00	53.64 2.96 0.00	46.25 2.36 0.00	42.02 1.96 0.00	50.09 1.73 0.00	51.24 1.37 0.00
ST_LAW_115_BK7_LBMP 345037	36.66 -0.03 0.00	37.22 0.11 0.00	39.51 0.22 0.00	35.45 0.05 0.00	37.30 0.05 0.00	35.58 -0.24 0.00	43.11 -0.54 0.00	89.15 -1.13 0.00	35.40 -0.31 0.00	34.82 -0.24 0.00	34.17 -0.15 0.00	35.55 -0.02 0.00	37.36 0.07 0.00	39.40 0.09 0.00	45.02 0.08 0.00	50.43 -0.14 0.00	36.63 -0.15 0.00	46.53 -0.17 0.00	43.70 -0.36 0.00	50.32 -0.37 0.00	43.67 -0.22 0.00	39.96 -0.10 0.00	48.61 0.25 0.00	50.29 0.42 0.00



ST_LAW_115_BK8_LBMP 345038	36.66 -0.03 0.00	37.22 0.11 0.00	39.51 0.22 0.00	35.45 0.05 0.00	37.30 0.05 0.00	35.58 -0.24 0.00	43.11 -0.54 0.00	89.15 -1.13 0.00	35.40 -0.31 0.00	34.82 -0.24 0.00	34.17 -0.15 0.00	35.55 -0.02 0.00	37.36 0.07 0.00	39.40 0.09 0.00	45.02 0.08 0.00	50.43 -0.14 0.00	36.63 -0.15 0.00	46.53 -0.17 0.00	43.70 -0.36 0.00	50.32 -0.37 0.00	43.67 -0.22 0.00	39.96 -0.10 0.00	48.61 0.25 0.00	50.29 0.42 0.00
ST_LAW_230_BK5_LBMP 345035	36.63 -0.06 0.00	37.19 0.08 0.00	39.48 0.19 0.00	35.43 0.03 0.00	37.29 0.04 0.00	35.56 -0.25 0.00	43.12 -0.54 0.00	89.15 -1.13 0.00	35.40 -0.31 0.00	34.82 -0.25 0.00	34.17 -0.15 0.00	35.53 -0.03 0.00	37.35 0.06 0.00	39.39 0.08 0.00	45.01 0.07 0.00	50.42 -0.15 0.00	36.63 -0.15 0.00	46.52 -0.19 0.00	43.72 -0.35 0.00	50.32 -0.37 0.00	43.66 -0.22 0.00	39.95 -0.11 0.00	48.58 0.22 0.00	50.23 0.37 0.00
ST_LAW_230_BK6_LBMP 345036	36.63 -0.06 0.00	37.19 0.08 0.00	39.48 0.19 0.00	35.43 0.03 0.00	37.29 0.04 0.00	35.56 -0.25 0.00	43.12 -0.54 0.00	89.15 -1.13 0.00	35.40 -0.31 0.00	34.82 -0.25 0.00	34.17 -0.15 0.00	35.53 -0.03 0.00	37.35 0.06 0.00	39.39 0.08 0.00	45.01 0.07 0.00	50.42 -0.15 0.00	36.63 -0.15 0.00	46.52 -0.19 0.00	43.72 -0.35 0.00	50.32 -0.37 0.00	43.66 -0.22 0.00	39.95 -0.11 0.00	48.58 0.22 0.00	50.23 0.37 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	37.67 0.97 0.00	37.94 0.83 0.00	40.00 0.71 0.00	36.17 0.77 0.00	38.10 0.85 0.00	36.88 1.06 0.00	45.45 1.79 0.00	94.19 3.91 0.00	37.46 1.75 0.00	36.91 1.84 0.00	36.13 1.80 0.00	37.34 1.78 0.00	38.97 1.68 0.00	41.00 1.69 0.00	46.81 1.87 0.00	52.89 2.32 0.00	38.58 1.80 0.00	48.79 2.09 0.00	46.19 2.12 0.00	53.22 2.54 0.00	45.85 1.96 0.00	41.67 1.62 0.00	49.72 1.36 0.00	50.90 1.03 0.00
SWANROAD_115KV_TB1 355699	34.99 -1.71 0.00	35.51 -1.60 0.00	37.68 -1.61 0.00	33.77 -1.64 0.00	35.69 -1.56 0.00	34.32 -1.50 0.00	41.07 -2.59 0.00	84.00 -6.29 0.00	32.88 -2.83 0.00	29.87 -2.95 2.25	29.36 -2.72 2.24	30.37 -2.71 2.49	35.24 -2.05 0.00	37.39 -1.92 0.00	41.91 -2.09 0.94	45.51 -3.47 1.58	33.37 -3.09 0.33	39.39 -3.69 3.62	32.55 -3.68 7.83	45.43 -4.10 1.16	40.63 -3.26 0.00	37.67 -2.39 0.00	46.03 -2.33 0.00	47.95 -1.92 0.00
SYNERGY___BIOGAS 323694	36.46 -0.24 0.00	36.92 -0.19 0.00	39.12 -0.16 0.00	35.07 -0.33 0.00	37.10 -0.16 0.00	35.76 -0.06 0.00	43.23 -0.43 0.00	88.97 -1.32 0.00	34.80 -0.90 0.00	32.21 -0.99 1.87	31.34 -1.12 1.86	32.41 -1.09 2.07	36.85 -0.44 0.00	38.95 -0.36 0.00	43.68 -0.49 0.78	47.54 -1.72 1.32	35.21 -1.30 0.27	42.12 -1.57 3.01	36.20 -1.37 6.51	48.40 -1.32 0.96	43.03 -0.85 0.00	39.68 -0.37 0.00	48.14 -0.21 0.00	49.95 0.09 0.00
SYRACUSE___ENERGY_ST1 323597	36.70 0.00 0.00	37.08 -0.03 0.00	39.23 -0.06 0.00	35.33 -0.07 0.00	37.21 -0.04 0.00	35.85 0.03 0.00	43.73 0.06 0.00	90.39 0.10 0.00	35.52 -0.19 0.00	34.82 -0.25 0.00	34.03 -0.29 0.00	35.25 -0.31 0.00	37.00 -0.28 0.00	39.05 -0.27 0.00	44.64 -0.30 0.00	50.29 -0.28 0.00	36.49 -0.29 0.00	46.45 -0.25 0.00	43.92 -0.15 0.00	50.52 -0.16 0.00	43.78 -0.11 0.00	39.97 -0.09 0.00	48.21 -0.15 0.00	49.77 -0.09 0.00
SYRACUSE___ENERGY_ST2 323598	36.70 0.00 0.00	37.08 -0.03 0.00	39.23 -0.06 0.00	35.33 -0.07 0.00	37.21 -0.04 0.00	35.85 0.03 0.00	43.73 0.06 0.00	90.39 0.10 0.00	35.52 -0.19 0.00	34.82 -0.25 0.00	34.03 -0.29 0.00	35.25 -0.31 0.00	37.00 -0.28 0.00	39.05 -0.27 0.00	44.64 -0.30 0.00	50.29 -0.28 0.00	36.49 -0.29 0.00	46.45 -0.25 0.00	43.92 -0.15 0.00	50.52 -0.16 0.00	43.78 -0.11 0.00	39.97 -0.09 0.00	48.21 -0.15 0.00	49.77 -0.09 0.00
SYRACUSE___POWER 24017	36.69 0.00 0.00	37.07 -0.05 0.00	39.21 -0.08 0.00	35.31 -0.09 0.00	37.20 -0.05 0.00	35.86 0.04 0.00	43.76 0.10 0.00	90.48 0.19 0.00	35.57 -0.15 0.00	34.85 -0.22 0.00	34.07 -0.25 0.00	35.30 -0.26 0.00	37.07 -0.22 0.00	39.11 -0.20 0.00	44.70 -0.24 0.00	50.32 -0.25 0.00	36.53 -0.25 0.00	46.46 -0.24 0.00	43.95 -0.12 0.00	50.55 -0.13 0.00	43.80 -0.09 0.00	39.98 -0.08 0.00	48.21 -0.15 0.00	49.76 -0.10 0.00
TALLMAN___138KV_BK151 55660	37.79 1.10 0.00	38.04 0.93 0.00	40.05 0.76 0.00	36.21 0.80 0.00	38.15 0.89 0.00	36.95 1.14 0.00	45.62 1.96 0.00	94.53 4.24 0.00	37.63 1.92 0.00	37.09 2.02 0.00	36.32 2.00 0.00	37.54 1.98 0.00	39.19 1.90 0.00	41.29 1.98 0.00	47.10 2.16 0.00	53.23 2.66 0.00	38.82 2.03 0.00	49.04 2.34 0.00	46.44 2.37 0.00	53.49 2.81 0.00	46.05 2.16 0.00	41.83 1.78 0.00	49.88 1.51 0.00	51.04 1.18 0.00
TEALLAVE_115KV_TB7 355573	36.54 -0.15 0.00	36.93 -0.19 0.00	39.05 -0.24 0.00	35.18 -0.23 0.00	37.06 -0.19 0.00	35.72 -0.10 0.00	43.55 -0.11 0.00	90.03 -0.26 0.00	35.39 -0.32 0.00	34.68 -0.39 0.00	33.92 -0.40 0.00	35.13 -0.43 0.00	36.90 -0.39 0.00	38.93 -0.38 0.00	44.51 -0.43 0.00	50.10 -0.47 0.00	36.38 -0.41 0.00	46.24 -0.46 0.00	43.74 -0.33 0.00	50.30 -0.39 0.00	43.58 -0.31 0.00	39.78 -0.28 0.00	47.99 -0.37 0.00	49.54 -0.32 0.00
TELGRAPH_34_KV_EAST 80808	35.68 -1.01 0.00	36.18 -0.93 0.00	38.37 -0.92 0.00	34.39 -1.02 0.00	36.37 -0.89 0.00	35.00 -0.81 0.00	42.09 -1.56 0.00	86.48 -3.81 0.00	33.86 -1.85 0.00	30.93 -1.94 2.20	30.26 -1.87 2.19	31.30 -1.84 2.43	36.05 -1.25 0.00	38.14 -1.18 0.00	42.74 -1.28 0.91	46.53 -2.49 1.55	34.37 -2.09 0.32	40.59 -2.58 3.54	33.94 -2.48 7.65	46.89 -2.67 1.13	41.86 -2.03 0.00	38.69 -1.36 0.00	47.09 -1.27 0.00	48.97 -0.89 0.00
TEMPLE___115KV_TB 2 55572	36.56 -0.13 0.00	36.94 -0.18 0.00	39.07 -0.22 0.00	35.20 -0.21 0.00	37.07 -0.18 0.00	35.73 -0.09 0.00	43.57 -0.10 0.00	90.04 -0.24 0.00	35.41 -0.31 0.00	34.70 -0.37 0.00	33.94 -0.39 0.00	35.16 -0.40 0.00	36.92 -0.37 0.00	38.96 -0.35 0.00	44.53 -0.40 0.00	50.14 -0.43 0.00	36.39 -0.39 0.00	46.28 -0.42 0.00	43.75 -0.32 0.00	50.32 -0.37 0.00	43.60 -0.29 0.00	39.80 -0.26 0.00	48.00 -0.36 0.00	49.56 -0.30 0.00
TIANA____69_KV_BK 1 55817	38.63 1.07 -0.87	37.95 0.84 0.00	39.76 0.47 0.00	35.86 0.46 0.00	38.10 0.84 0.00	35.57 0.93 1.17	58.44 2.55 -12.23	91.33 3.09 2.04	36.37 1.49 0.84	37.43 1.50 -0.87	55.13 1.53 -19.28	56.58 1.81 -19.21	54.26 2.26 -14.71	44.91 2.59 -3.01	49.47 2.78 -1.76	73.19 4.17 -18.45	45.58 2.68 -6.12	56.05 2.98 -6.36	92.64 3.57 -44.99	105.26 4.67 -49.90	59.66 3.09 -12.69	65.24 2.73 -22.46	89.42 3.31 -37.75	68.41 2.69 -15.86
TILDEN___115KV_TB1 80814	36.69 0.00 0.00	37.07 -0.05 0.00	39.21 -0.08 0.00	35.31 -0.09 0.00	37.20 -0.05 0.00	35.86 0.04 0.00	43.76 0.10 0.00	90.48 0.19 0.00	35.57 -0.15 0.00	34.85 -0.22 0.00	34.07 -0.25 0.00	35.30 -0.26 0.00	37.07 -0.22 0.00	39.11 -0.20 0.00	44.70 -0.24 0.00	50.32 -0.25 0.00	36.53 -0.25 0.00	46.46 -0.24 0.00	43.95 -0.12 0.00	50.55 -0.13 0.00	43.80 -0.09 0.00	39.98 -0.08 0.00	48.21 -0.15 0.00	49.76 -0.10 0.00



TRIGEN___CC 323695	45.80 1.56 -7.54	38.46 1.34 0.00	40.48 1.18 -0.01	36.64 1.23 -0.01	38.67 1.40 -0.01	42.57 1.64 -5.11	69.91 2.65 -23.60	95.60 4.83 -0.49	40.78 2.36 -2.71	80.44 2.50 -42.87	112.67 2.48 -75.87	96.64 2.53 -58.55	88.85 2.48 -49.08	49.42 2.61 -7.50	63.13 2.92 -15.27	87.63 3.37 -33.70	50.42 2.59 -11.05	61.20 2.99 -11.51	155.09 2.99 -108.03	154.19 3.55 -99.97	97.06 2.78 -50.38	103.65 2.39 -61.20	123.68 2.24 -73.09	95.87 1.96 -44.04
TRINITY___115KV___4 BK 55933	37.18 0.48 0.00	37.46 0.35 0.00	39.56 0.27 0.00	35.89 0.49 0.00	37.69 0.44 0.00	36.44 0.62 0.00	44.72 1.06 0.00	92.75 2.47 0.00	36.79 1.08 0.00	36.16 1.09 0.00	35.31 0.98 0.00	36.47 0.90 0.00	38.04 0.75 0.00	40.04 0.72 0.00	45.80 0.86 0.00	51.61 1.04 0.00	37.72 0.94 0.00	47.78 1.08 0.00	45.13 1.06 0.00	51.80 1.12 0.00	44.70 0.81 0.00	40.60 0.54 0.00	48.57 0.21 0.00	49.68 -0.19 0.00
UNION___PROCESSING_DRP 323587	36.14 -0.56 0.00	36.58 -0.54 0.00	38.75 -0.54 0.00	34.80 -0.61 0.00	36.70 -0.55 0.00	35.36 -0.45 0.00	42.87 -0.79 0.00	88.53 -1.75 0.00	34.75 -0.96 0.00	33.02 -1.03 1.02	32.34 -0.96 1.02	33.48 -0.96 1.13	36.61 -0.68 0.00	38.71 -0.60 0.00	43.88 -0.64 0.42	48.61 -1.24 0.72	35.35 -1.29 0.15	43.77 -1.29 1.64	39.32 -1.19 3.55	48.86 -1.30 0.52	42.93 -0.96 0.00	39.43 -0.63 0.00	47.70 -0.66 0.00	49.38 -0.49 0.00
UPPER HUDSON___HYD 24058	38.96 2.27 0.00	39.32 2.20 0.00	41.66 2.37 0.00	37.71 2.30 0.00	39.57 2.31 0.00	38.31 2.49 0.00	47.29 3.63 0.00	97.96 7.68 0.00	38.67 2.96 0.00	37.88 2.82 0.00	36.99 2.67 0.00	38.12 2.56 0.00	39.69 2.40 0.00	41.91 2.60 0.00	48.00 3.06 0.00	54.12 3.54 0.00	39.33 2.54 0.00	49.75 3.05 0.00	47.35 3.29 0.00	54.59 3.91 0.00	47.08 3.19 0.00	42.78 2.73 0.00	51.25 2.89 0.00	52.31 2.44 0.00
UPPER RAQUET___HYD 24056	36.05 -0.64 0.00	36.71 -0.41 0.00	38.96 -0.33 0.00	34.93 -0.47 0.00	36.84 -0.41 0.00	41.90 -0.70 -6.78	52.49 -1.15 -9.99	102.80 -2.37 -14.88	36.54 -0.78 -1.61	34.22 -0.85 0.00	33.50 -0.82 0.00	34.90 -0.67 0.00	36.52 -0.77 0.00	38.62 -0.69 0.00	43.96 -0.97 0.00	49.23 -1.34 0.00	35.81 -0.97 0.00	45.50 -1.20 0.00	42.80 -1.27 0.00	49.44 -1.24 0.00	43.02 -0.87 0.00	39.33 -0.73 0.00	48.04 -0.32 0.00	49.74 -0.12 0.00
VALLEY44_115KV_TB2 355964	35.87 -0.82 0.00	36.29 -0.82 0.00	38.28 -1.01 0.00	34.28 -1.13 0.00	36.22 -1.04 0.00	34.95 -0.87 0.00	42.43 -1.23 0.00	88.25 -2.04 0.00	34.62 -1.09 0.00	34.54 -1.11 -0.58	33.69 -1.21 -0.57	35.10 -1.11 -0.64	36.88 -0.41 0.00	39.22 -0.09 0.00	44.93 -0.24 -0.24	49.94 -1.03 -0.41	35.55 -1.32 -0.08	46.17 -1.46 -0.93	44.63 -1.44 -2.00	49.74 -1.24 -0.29	42.92 -0.97 0.00	39.64 -0.42 0.00	48.08 -0.28 0.00	50.05 0.18 0.00
VALLEY___115KV_TB 1-4 80826	36.75 0.06 0.00	36.94 -0.17 0.00	39.05 -0.25 0.00	35.33 -0.07 0.00	37.08 -0.17 0.00	36.09 0.27 0.00	44.49 0.83 0.00	92.05 1.76 0.00	36.30 0.59 0.00	35.48 0.41 0.00	34.62 0.30 0.00	35.56 0.00 0.00	36.70 -0.59 0.00	39.00 -0.31 0.00	44.76 -0.18 0.00	50.26 -0.31 0.00	36.72 -0.06 0.00	46.37 -0.34 0.00	44.17 0.10 0.00	50.89 0.21 0.00	43.91 0.02 0.00	39.85 -0.21 0.00	47.43 -0.93 0.00	48.71 -1.16 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	38.20 1.51 0.00	38.57 1.46 0.00	40.78 1.49 0.00	36.80 1.39 0.00	38.71 1.45 0.00	37.41 1.59 0.00	45.95 2.29 0.00	95.09 4.80 0.00	37.56 1.86 0.00	36.87 1.81 0.00	36.05 1.73 0.00	37.23 1.67 0.00	39.01 1.72 0.00	41.01 1.70 0.00	46.84 1.90 0.00	52.70 2.13 0.00	38.34 1.56 0.00	48.73 2.03 0.00	46.12 2.05 0.00	53.06 2.38 0.00	45.88 1.99 0.00	41.76 1.71 0.00	50.05 1.69 0.00	51.42 1.55 0.00
VISCHER___FERRY HYD 24020	37.77 1.08 0.00	38.08 0.97 0.00	40.18 0.90 0.00	36.42 1.01 0.00	38.27 1.01 0.00	37.02 1.20 0.00	45.49 1.83 0.00	94.22 3.94 0.00	37.28 1.57 0.00	36.59 1.52 0.00	35.72 1.39 0.00	36.88 1.31 0.00	38.44 1.15 0.00	40.51 1.20 0.00	46.39 1.45 0.00	52.33 1.76 0.00	38.19 1.40 0.00	48.36 1.66 0.00	45.71 1.64 0.00	52.61 1.93 0.00	45.38 1.49 0.00	41.22 1.17 0.00	49.37 1.02 0.00	50.50 0.63 0.00
V_A_10_SYNC_DSASP 323832	35.40 -1.29 0.00	35.90 -1.22 0.00	38.06 -1.23 0.00	34.14 -1.27 0.00	36.02 -1.23 0.00	34.67 -1.15 0.00	41.77 -1.89 0.00	86.04 -4.25 0.00	33.83 -1.88 0.00	31.42 -1.96 1.69	30.82 -1.81 1.69	31.95 -1.75 1.87	35.93 -1.36 0.00	38.10 -1.21 0.00	42.97 -1.26 0.70	47.25 -2.14 1.19	34.49 -2.05 0.25	41.64 -2.34 2.72	35.96 -2.23 5.89	47.14 -2.67 0.87	41.79 -2.10 0.00	38.57 -1.49 0.00	46.82 -1.54 0.00	48.68 -1.19 0.00
V_CMM_10_SYNC_DSASP 323787	36.85 0.16 0.00	37.42 0.30 0.00	39.71 0.42 0.00	35.64 0.23 0.00	37.50 0.24 0.00	35.77 -0.05 0.00	43.35 -0.31 0.00	89.62 -0.66 0.00	35.60 -0.11 0.00	35.00 -0.07 0.00	34.34 0.02 0.00	35.73 0.17 0.00	37.57 0.28 0.00	39.63 0.32 0.00	45.26 0.32 0.00	50.69 0.12 0.00	36.82 0.04 0.00	46.76 0.06 0.00	43.94 -0.13 0.00	50.58 -0.10 0.00	43.90 0.00 0.00	40.16 0.10 0.00	48.87 0.51 0.00	50.55 0.69 0.00
V_CMP_10_SYNC_DSASP 323788	36.39 -0.31 0.00	37.38 0.26 0.00	39.74 0.46 0.00	35.40 0.00 0.00	37.54 0.29 0.00	-6.05 -0.79 41.07	-18.18 -1.33 60.51	-2.75 -2.93 90.10	25.20 -0.77 9.74	34.67 -0.40 0.00	33.98 -0.35 0.00	35.40 -0.16 0.00	37.27 -0.02 0.00	39.48 0.17 0.00	45.30 0.36 0.00	50.31 -0.26 0.00	36.46 -0.33 0.00	45.98 -0.72 0.00	43.24 -0.83 0.00	49.87 -0.81 0.00	43.49 -0.40 0.00	39.84 -0.21 0.00	48.69 0.33 0.00	50.24 0.37 0.00
V_D_10_SYNC_DSASP 323841	37.03 0.34 0.00	37.61 0.50 0.00	39.91 0.63 0.00	35.82 0.41 0.00	37.70 0.44 0.00	37.48 0.15 -1.52	45.82 -0.08 -2.23	93.47 -0.15 -3.33	36.15 0.07 -0.36	35.16 0.09 0.00	34.48 0.16 0.00	35.89 0.33 0.00	37.71 0.42 0.00	39.79 0.48 0.00	45.42 0.48 0.00	50.86 0.29 0.00	36.93 0.15 0.00	46.91 0.21 0.00	44.10 0.03 0.00	50.81 0.13 0.00	44.12 0.22 0.00	40.36 0.30 0.00	49.14 0.78 0.00	50.85 0.99 0.00
V_E_10_SYNC_DSASP 323830	36.73 0.03 0.00	37.19 0.07 0.00	39.14 -0.15 0.00	35.22 -0.18 0.00	37.11 -0.15 0.00	35.94 0.12 0.00	44.53 0.87 0.00	93.03 2.74 0.00	36.44 0.73 0.00	36.39 0.53 -0.80	35.53 0.41 -0.79	36.71 0.27 -0.88	37.97 0.68 0.00	40.78 1.47 0.00	47.03 1.76 -0.33	52.64 1.51 -0.56	37.61 0.70 -0.12	49.29 1.31 -1.28	48.97 2.14 -2.77	52.81 1.72 -0.41	45.60 1.71 0.00	42.03 1.98 0.00	49.87 1.51 0.00	50.62 0.76 0.00
V_F_30_NSYNC___DSASP 323816	38.64 1.95 0.00	39.09 1.98 0.00	41.76 2.47 0.00	37.72 2.32 0.00	39.16 1.90 0.00	37.89 2.07 0.00	46.65 2.99 0.00	96.55 6.26 0.00	38.15 2.44 0.00	37.39 2.33 0.00	36.48 2.16 0.00	37.55 1.99 0.00	39.12 1.83 0.00	41.34 2.03 0.00	47.43 2.49 0.00	53.46 2.89 0.00	38.94 2.15 0.00	49.36 2.66 0.00	46.76 2.69 0.00	53.90 3.22 0.00	46.51 2.62 0.00	42.20 2.14 0.00	50.58 2.22 0.00	51.73 1.86 0.00



V_F_30_SYNC_DSASP 323786	37.33 0.63 0.00	37.61 0.50 0.00	39.71 0.42 0.00	36.01 0.61 0.00	37.83 0.58 0.00	36.58 0.76 0.00	44.89 1.23 0.00	93.09 2.80 0.00	36.88 1.17 0.00	36.24 1.17 0.00	35.37 1.05 0.00	36.54 0.97 0.00	38.11 0.82 0.00	40.10 0.79 0.00	45.91 0.97 0.00	51.79 1.22 0.00	37.87 1.09 0.00	47.98 1.29 0.00	45.31 1.25 0.00	52.04 1.36 0.00	44.90 1.01 0.00	40.78 0.72 0.00	48.79 0.43 0.00	49.90 0.04 0.00
V_XM_10_SYNC_DSASP 323789	36.39 -0.31 0.00	37.38 0.26 0.00	39.74 0.46 0.00	35.40 0.00 0.00	37.54 0.29 0.00	-6.05 -0.79 41.07	-18.18 -1.33 60.51	-2.75 -2.93 90.10	25.20 -0.77 9.74	34.67 -0.40 0.00	33.98 -0.35 0.00	35.40 -0.16 0.00	37.27 -0.02 0.00	39.48 0.17 0.00	45.30 0.36 0.00	50.31 -0.26 0.00	36.46 -0.33 0.00	45.98 -0.72 0.00	43.24 -0.83 0.00	49.87 -0.81 0.00	43.49 -0.40 0.00	39.84 -0.21 0.00	48.69 0.33 0.00	50.24 0.37 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	37.92 1.23 0.00	38.17 1.06 0.00	40.20 0.91 0.00	36.35 0.94 0.00	38.30 1.04 0.00	37.25 1.43 0.00	46.02 2.36 0.00	95.41 5.13 0.00	37.99 2.28 0.00	37.45 2.39 0.00	36.69 2.37 0.00	37.91 2.35 0.00	39.58 2.29 0.00	41.67 2.36 0.00	47.55 2.61 0.00	53.75 3.18 0.00	39.10 2.32 0.00	49.25 2.55 0.00	46.62 2.55 0.00	53.72 3.04 0.00	46.25 2.36 0.00	42.00 1.95 0.00	50.08 1.72 0.00	51.24 1.37 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	38.16 1.47 0.00	38.42 1.31 0.00	40.42 1.13 0.00	36.61 1.21 0.00	38.54 1.29 0.00	37.37 1.55 0.00	46.21 2.55 0.00	95.90 5.61 0.00	38.20 2.48 0.00	37.67 2.60 0.00	36.90 2.58 0.00	38.18 2.62 0.00	39.86 2.57 0.00	41.98 2.67 0.00	47.88 2.95 0.00	54.16 3.59 0.00	39.50 2.71 0.00	49.84 3.14 0.00	47.14 3.07 0.00	54.22 3.54 0.00	46.70 2.81 0.00	42.38 2.32 0.00	50.35 1.99 0.00	51.51 1.65 0.00
W50THST__13_KV_LOAD 356117	38.31 1.62 0.00	38.61 1.50 0.00	40.63 1.34 0.00	36.81 1.40 0.00	38.74 1.49 0.00	37.58 1.77 0.00	46.50 2.84 0.00	96.52 6.23 0.00	38.48 2.76 0.00	37.96 2.89 0.00	37.19 2.87 0.00	38.50 2.93 0.00	40.20 2.91 0.00	42.32 3.01 0.00	48.28 3.34 0.00	54.61 4.04 0.00	39.81 3.02 0.00	50.22 3.52 0.00	47.47 3.40 0.00	54.56 3.88 0.00	46.97 3.08 0.00	42.59 2.53 0.00	50.54 2.18 0.00	51.70 1.84 0.00
WADING RIVER_IC_1 23522	38.37 0.81 -0.86	37.68 0.56 0.00	39.55 0.27 0.00	35.77 0.37 0.00	38.07 0.81 0.00	35.45 0.82 1.18	58.35 2.47 -12.22	90.89 2.65 2.05	36.15 1.28 0.84	37.11 1.23 -0.82	54.80 1.26 -19.22	56.13 1.40 -19.16	53.66 1.70 -14.67	44.23 1.91 -3.00	48.69 2.01 -1.74	72.51 3.50 -18.44	45.03 2.13 -6.12	55.25 2.20 -6.36	91.91 2.92 -44.93	104.47 3.93 -49.86	59.00 2.46 -12.65	64.69 2.20 -22.43	88.97 2.90 -37.72	67.93 2.23 -15.83
WADING RIVER_IC_2 23547	38.37 0.81 -0.86	37.68 0.56 0.00	39.55 0.27 0.00	35.77 0.37 0.00	38.07 0.81 0.00	35.45 0.82 1.18	58.35 2.47 -12.22	90.89 2.65 2.05	36.15 1.28 0.84	37.11 1.23 -0.82	54.80 1.26 -19.22	56.13 1.40 -19.16	53.66 1.70 -14.67	44.23 1.91 -3.00	48.69 2.01 -1.74	72.51 3.50 -18.44	45.03 2.13 -6.12	55.25 2.20 -6.36	91.91 2.92 -44.93	104.47 3.93 -49.86	59.00 2.46 -12.65	64.69 2.20 -22.43	88.97 2.90 -37.72	67.93 2.23 -15.83
WADING RIVER_IC_3 23601	38.37 0.81 -0.86	37.68 0.56 0.00	39.55 0.27 0.00	35.77 0.37 0.00	38.07 0.81 0.00	35.45 0.82 1.18	58.35 2.47 -12.22	90.89 2.65 2.05	36.15 1.28 0.84	37.11 1.23 -0.82	54.80 1.26 -19.22	56.13 1.40 -19.16	53.66 1.70 -14.67	44.23 1.91 -3.00	48.69 2.01 -1.74	72.51 3.50 -18.44	45.03 2.13 -6.12	55.25 2.20 -6.36	91.91 2.92 -44.93	104.47 3.93 -49.86	59.00 2.46 -12.65	64.69 2.20 -22.43	88.97 2.90 -37.72	67.93 2.23 -15.83
WALDENNY_12_KV_BK2 80841	35.68 -1.02 0.00	36.19 -0.93 0.00	38.36 -0.93 0.00	34.34 -1.06 0.00	36.30 -0.95 0.00	35.00 -0.82 0.00	42.07 -1.59 0.00	86.63 -3.66 0.00	34.06 -1.65 0.00	31.66 -1.75 1.66	31.09 -1.58 1.66	32.20 -1.53 1.84	36.34 -0.95 0.00	38.52 -0.79 0.00	43.46 -0.79 0.69	47.65 -1.75 1.17	34.67 -1.87 0.24	41.86 -2.17 2.68	36.11 -2.17 5.79	47.41 -2.42 0.85	42.05 -1.84 0.00	38.92 -1.14 0.00	47.31 -1.05 0.00	49.33 -0.54 0.00
WALDEN__HYDRO 24148	37.89 1.20 0.00	38.16 1.04 0.00	40.24 0.95 0.00	36.39 0.98 0.00	38.33 1.07 0.00	37.10 1.28 0.00	45.77 2.11 0.00	94.89 4.61 0.00	37.73 2.02 0.00	37.18 2.11 0.00	36.39 2.07 0.00	37.61 2.05 0.00	39.20 1.90 0.00	41.23 1.92 0.00	47.03 2.09 0.00	53.15 2.58 0.00	38.82 2.03 0.00	49.10 2.40 0.00	46.50 2.43 0.00	53.58 2.90 0.00	46.18 2.29 0.00	41.96 1.90 0.00	50.03 1.68 0.00	51.19 1.33 0.00
WARRENSBURG____ 23737	38.96 2.27 0.00	39.32 2.21 0.00	41.66 2.37 0.00	37.71 2.30 0.00	39.57 2.31 0.00	38.31 2.49 0.00	47.30 3.64 0.00	97.97 7.68 0.00	38.67 2.96 0.00	37.89 2.82 0.00	36.99 2.67 0.00	38.12 2.56 0.00	39.69 2.40 0.00	41.91 2.60 0.00	48.00 3.06 0.00	54.12 3.55 0.00	39.33 2.55 0.00	49.75 3.05 0.00	47.36 3.29 0.00	54.59 3.91 0.00	47.08 3.20 0.00	42.78 2.73 0.00	51.25 2.89 0.00	52.31 2.44 0.00
WATERSIDE____6 8 9 23538	34.77 1.54 3.47	37.47 1.34 0.99	40.04 1.20 0.45	36.68 1.27 0.00	38.61 1.36 0.00	37.42 1.60 0.00	46.30 2.64 0.00	95.94 5.66 0.00	38.29 2.58 0.00	37.78 2.71 0.00	37.03 2.70 0.00	38.30 2.73 0.00	39.97 2.68 0.00	42.10 2.79 0.00	47.97 3.03 0.00	54.24 3.67 0.00	39.53 2.74 0.00	49.88 3.18 0.00	47.24 3.17 0.00	54.29 3.61 0.00	46.77 2.88 0.00	40.67 2.36 1.75	49.29 2.09 1.15	50.06 1.74 1.54
WATKINRD_115KV_LN8_ILLION 55919	36.72 0.03 0.00	36.83 -0.29 0.00	38.88 -0.41 0.00	35.23 -0.17 0.00	36.94 -0.31 0.00	36.22 0.40 0.00	44.88 1.22 0.00	92.88 2.60 0.00	36.59 0.88 0.00	35.72 0.65 0.00	34.79 0.47 0.00	35.61 0.05 0.00	36.52 -0.77 0.00	38.90 -0.42 0.00	44.77 -0.17 0.00	50.21 -0.36 0.00	36.72 -0.06 0.00	46.31 -0.39 0.00	44.31 0.24 0.00	51.18 0.49 0.00	44.11 0.21 0.00	39.92 -0.13 0.00	47.18 -1.18 0.00	48.29 -1.57 0.00
WATSON____69_KV_BK 1 55734	40.16 2.00 -1.47	38.78 1.67 0.00	40.80 1.51 0.00	36.92 1.52 0.00	39.06 1.81 0.00	37.22 1.97 0.57	60.02 3.33 -13.02	94.21 5.89 1.97	37.89 2.73 0.55	42.15 2.74 -4.34	60.94 2.81 -23.81	60.78 2.91 -22.31	57.56 2.83 -17.44	45.77 3.10 -3.37	51.19 3.30 -2.95	74.10 4.01 -19.52	46.32 3.08 -6.46	56.96 3.54 -6.72	97.30 3.60 -49.63	108.01 4.49 -52.83	62.50 3.42 -15.20	68.00 3.00 -24.94	91.30 3.13 -39.81	70.29 2.76 -17.67
WDELAWARE__HYD 323627	38.68 1.99 0.00	38.96 1.84 0.00	41.11 1.82 0.00	37.17 1.76 0.00	39.15 1.90 0.00	37.90 2.08 0.00	46.76 3.10 0.00	96.87 6.58 0.00	38.51 2.80 0.00	37.92 2.85 0.00	37.11 2.79 0.00	38.32 2.76 0.00	39.85 2.56 0.00	41.75 2.43 0.00	47.73 2.79 0.00	53.87 3.29 0.00	39.42 2.63 0.00	50.03 3.32 0.00	47.35 3.28 0.00	54.52 3.84 0.00	47.01 3.12 0.00	42.68 2.62 0.00	50.92 2.56 0.00	52.07 2.21 0.00



WEST BABYLON___IC 23714	41.15 1.98 -2.48	38.82 1.70 0.00	40.82 1.53 0.00	36.94 1.53 0.00	39.04 1.79 0.00	38.25 1.99 -0.44	61.28 3.27 -14.35	94.29 5.80 1.80	38.39 2.74 0.06	48.08 2.83 -10.18	68.60 2.89 -31.39	66.00 2.98 -27.46	62.24 2.94 -22.01	46.41 3.13 -3.96	53.27 3.40 -4.94	75.84 3.99 -21.28	46.86 3.04 -7.03	57.56 3.55 -7.31	105.15 3.59 -57.49	114.13 4.42 -59.02	67.87 3.42 -20.56	73.29 3.02 -30.22	95.64 3.08 -44.21	74.17 2.75 -21.55
WEST CANADA___HYD 24049	36.70 0.01 0.00	37.10 -0.02 0.00	39.26 -0.03 0.00	35.42 0.02 0.00	37.26 0.01 0.00	35.88 0.06 0.00	43.86 0.19 0.00	90.73 0.45 0.00	35.88 0.17 0.00	35.21 0.14 0.00	34.43 0.10 0.00	35.63 0.07 0.00	37.30 0.01 0.00	39.31 0.00 0.00	44.93 -0.01 0.00	50.64 0.07 0.00	36.90 0.11 0.00	46.83 0.13 0.00	44.24 0.17 0.00	50.84 0.15 0.00	43.98 0.09 0.00	40.09 0.03 0.00	48.32 -0.04 0.00	49.76 -0.10 0.00
WESTERN_NY_WIND 24143	36.40 -0.29 0.00	36.88 -0.23 0.00	39.08 -0.21 0.00	35.03 -0.37 0.00	37.04 -0.21 0.00	35.71 -0.10 0.00	43.15 -0.51 0.00	88.79 -1.50 0.00	34.74 -0.98 0.00	32.06 -1.06 1.95	31.19 -1.18 1.95	32.26 -1.14 2.15	36.81 -0.48 0.00	38.89 -0.43 0.00	43.58 -0.54 0.81	47.41 -1.79 1.37	35.14 -1.36 0.28	41.91 -1.66 3.14	35.77 -1.52 6.79	48.26 -1.42 1.00	42.97 -0.92 0.00	39.63 -0.43 0.00	48.07 -0.29 0.00	49.88 0.02 0.00
WESTOVER___LESR 323668	36.55 -0.15 0.00	36.94 -0.17 0.00	39.02 -0.27 0.00	35.11 -0.29 0.00	37.04 -0.21 0.00	35.76 -0.06 0.00	43.76 0.10 0.00	90.79 0.50 0.00	35.76 0.05 0.00	35.73 0.04 -0.62	34.91 -0.04 -0.62	36.21 -0.04 -0.69	37.46 0.17 0.00	39.45 0.14 0.00	45.44 0.24 -0.26	51.18 0.17 -0.44	36.79 -0.08 -0.09	47.71 0.00 -1.00	46.37 0.13 -2.17	51.22 0.21 -0.32	44.10 0.21 0.00	40.32 0.26 0.00	48.46 0.11 0.00	50.03 0.16 0.00
WETHRSFD_WT_PWR 323626	33.68 -3.01 0.00	34.28 -2.84 0.00	36.24 -3.05 0.00	32.54 -2.87 0.00	34.89 -2.37 0.00	33.40 -2.42 0.00	40.06 -3.60 0.00	82.31 -7.97 0.00	32.34 -3.37 0.00	16.78 -3.42 14.87	16.07 -3.41 14.84	15.50 -3.62 16.44	33.96 -3.33 0.00	35.89 -3.42 0.00	34.88 -3.87 6.18	35.21 -4.88 10.47	30.75 -3.87 2.17	18.18 -4.59 23.94	-11.79 -4.07 51.79	38.46 -4.57 7.65	40.30 -3.60 0.00	37.07 -2.98 0.00	45.45 -2.90 0.00	47.90 -1.97 0.00
WHAVSTOR_138KV_BK127 55557	37.79 1.10 0.00	38.04 0.93 0.00	40.05 0.76 0.00	36.23 0.82 0.00	38.16 0.91 0.00	36.95 1.14 0.00	45.62 1.96 0.00	94.53 4.24 0.00	37.62 1.91 0.00	37.08 2.02 0.00	36.32 2.00 0.00	37.54 1.97 0.00	39.19 1.90 0.00	41.27 1.96 0.00	47.10 2.16 0.00	53.22 2.65 0.00	38.81 2.02 0.00	49.04 2.34 0.00	46.41 2.35 0.00	53.48 2.80 0.00	46.05 2.16 0.00	41.83 1.78 0.00	49.87 1.51 0.00	51.04 1.17 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	37.79 1.10 0.00	38.04 0.93 0.00	40.05 0.76 0.00	36.23 0.82 0.00	38.16 0.91 0.00	36.95 1.14 0.00	45.62 1.96 0.00	94.53 4.24 0.00	37.62 1.91 0.00	37.08 2.02 0.00	36.32 2.00 0.00	37.54 1.97 0.00	39.19 1.90 0.00	41.27 1.96 0.00	47.10 2.16 0.00	53.22 2.65 0.00	38.81 2.02 0.00	49.04 2.34 0.00	46.41 2.35 0.00	53.48 2.80 0.00	46.05 2.16 0.00	41.83 1.78 0.00	49.87 1.51 0.00	51.04 1.17 0.00
WHITEHAL_115KV_TB1 80871	39.88 3.19 0.00	40.25 3.14 0.00	42.66 3.37 0.00	38.74 3.33 0.00	40.66 3.41 0.00	39.34 3.52 0.00	48.74 5.08 0.00	100.38 10.10 0.00	39.34 3.63 0.00	38.67 3.60 0.00	37.93 3.61 0.00	39.18 3.61 0.00	40.85 3.56 0.00	43.04 3.72 0.00	49.09 4.16 0.00	55.64 5.07 0.00	40.25 3.46 0.00	50.33 3.63 0.00	48.26 4.19 0.00	55.64 4.96 0.00	47.93 4.04 0.00	43.71 3.66 0.00	52.64 4.28 0.00	53.47 3.61 0.00
WHITEPLN_13_KV_LOAD 356215	38.34 1.65 0.00	38.58 1.47 0.00	40.60 1.31 0.00	36.75 1.35 0.00	38.70 1.44 0.00	37.51 1.70 0.00	46.38 2.72 0.00	96.22 5.93 0.00	38.33 2.62 0.00	37.78 2.71 0.00	37.02 2.70 0.00	38.29 2.73 0.00	39.97 2.69 0.00	42.07 2.76 0.00	47.98 3.04 0.00	54.20 3.63 0.00	39.53 2.75 0.00	49.97 3.28 0.00	47.27 3.21 0.00	54.43 3.75 0.00	46.88 2.99 0.00	42.56 2.50 0.00	50.66 2.30 0.00	51.81 1.94 0.00
WM_FLOYD_69_KV_BK2 356380	38.70 1.10 -0.90	37.97 0.85 0.00	39.88 0.59 0.00	36.08 0.67 0.00	38.29 1.04 0.00	35.79 1.12 1.15	58.57 2.64 -12.27	91.75 3.50 2.03	36.59 1.70 0.82	37.83 1.72 -1.04	55.59 1.75 -19.51	56.80 1.87 -19.37	54.20 2.06 -14.84	44.62 2.28 -3.03	49.19 2.44 -1.82	72.71 3.63 -18.51	45.30 2.38 -6.14	55.70 2.61 -6.38	92.39 3.09 -45.23	104.78 4.05 -50.05	59.46 2.76 -12.81	65.09 2.45 -22.59	89.06 2.85 -37.85	68.13 2.32 -15.95
WOODARD__115KV_TB2 355635	36.51 -0.19 0.00	36.89 -0.22 0.00	39.02 -0.27 0.00	35.16 -0.25 0.00	37.03 -0.23 0.00	35.68 -0.14 0.00	43.48 -0.18 0.00	89.87 -0.42 0.00	35.34 -0.38 0.00	34.63 -0.44 0.00	33.86 -0.46 0.00	35.08 -0.48 0.00	36.82 -0.47 0.00	38.85 -0.46 0.00	44.42 -0.52 0.00	50.03 -0.54 0.00	36.32 -0.46 0.00	46.19 -0.50 0.00	43.66 -0.40 0.00	50.22 -0.47 0.00	43.51 -0.38 0.00	39.72 -0.34 0.00	47.92 -0.43 0.00	49.48 -0.38 0.00
YORK___WARBASSE 23770	55.81 1.81 -17.31	59.31 1.57 -20.63	59.88 1.45 -19.15	54.32 1.47 -17.45	53.09 1.61 -14.23	55.00 1.84 -17.35	55.95 2.92 -9.37	104.66 6.17 -8.21	57.06 2.80 -18.55	57.04 2.92 -19.05	56.89 2.90 -19.67	55.39 2.96 -16.87	55.34 2.92 -15.13	55.15 3.06 -12.78	57.96 3.35 -9.68	58.82 3.97 -4.28	55.36 2.98 -15.59	59.59 3.46 -9.42	56.67 3.48 -9.13	62.61 3.91 -8.02	60.65 3.16 -13.60	59.43 2.65 -16.73	56.47 2.46 -5.66	59.52 2.09 -7.56