

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

03/23/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	46.50	42.66	38.45	38.21	41.45	39.55	48.17	59.84	43.69	36.13	32.31	31.47	34.12	34.56	34.60	36.71	37.03	44.99	59.96	88.96	74.55	56.63	47.46	45.80
24138	1.94	1.61	1.34	1.34	1.47	1.58	2.07	2.63	1.95	1.60	1.41	1.34	1.31	1.41	1.49	1.75	1.57	2.00	2.74	4.38	3.92	2.93	2.34	2.12
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	46.58	42.65	38.41	38.17	41.42	39.52	48.13	59.78	43.63	36.08	32.26	31.44	34.11	34.56	34.60	36.72	37.06	45.00	59.96	89.02	74.59	56.67	47.48	45.83
24260	2.02	1.59	1.30	1.30	1.44	1.54	2.03	2.57	1.89	1.54	1.37	1.32	1.30	1.41	1.50	1.77	1.60	2.02	2.74	4.45	3.95	2.97	2.37	2.15
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	46.58	42.65	38.41	38.17	41.42	39.52	48.13	59.78	43.63	36.08	32.26	31.44	34.11	34.56	34.60	36.72	37.06	45.00	59.96	89.02	74.59	56.67	47.48	45.83
24261	2.02	1.59	1.30	1.30	1.44	1.54	2.03	2.57	1.89	1.54	1.37	1.32	1.30	1.41	1.50	1.77	1.60	2.02	2.74	4.45	3.95	2.97	2.37	2.15
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	47.88	43.32	39.02	38.77	42.04	40.16	49.16	61.21	44.08	36.02	31.88	31.05	33.79	34.19	34.06	36.25	37.22	44.86	61.06	90.46	75.77	57.52	48.14	46.48
24011	3.32	2.26	1.91	1.90	2.06	2.18	3.06	4.00	2.33	1.49	0.98	0.93	0.98	1.04	0.96	1.30	1.76	1.88	3.83	5.88	5.14	3.82	3.02	2.81
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	47.93	43.43	39.12	38.85	42.13	40.25	49.30	61.44	44.18	36.04	31.85	31.02	33.75	34.17	34.03	36.28	37.27	45.01	61.47	91.09	76.34	57.97	48.47	46.80
23798	3.37	2.38	2.01	1.98	2.15	2.27	3.20	4.24	2.44	1.50	0.95	0.89	0.94	1.01	0.92	1.33	1.81	2.03	4.24	6.51	5.71	4.27	3.36	3.13
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	47.88	43.32	39.02	38.77	42.04	40.16	49.16	61.21	44.08	36.02	31.88	31.05	33.79	34.19	34.06	36.25	37.22	44.86	61.06	90.46	75.77	57.52	48.14	46.48
24028	3.32	2.26	1.91	1.90	2.06	2.18	3.06	4.00	2.33	1.49	0.98	0.93	0.98	1.04	0.96	1.30	1.76	1.88	3.83	5.88	5.14	3.82	3.02	2.81
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	45.79	41.90	37.83	37.58	40.69	38.74	47.37	58.84	42.57	35.09	31.15	30.41	33.04	33.48	33.34	35.34	36.01	43.63	58.74	86.91	72.86	55.62	46.90	45.40
23527	1.23	0.84	0.71	0.70	0.71	0.77	1.27	1.64	0.82	0.56	0.25	0.28	0.23	0.33	0.24	0.39	0.54	0.65	1.52	2.33	2.23	1.91	1.79	1.73
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	44.80	41.14	37.18	36.94	40.00	38.11	46.38	57.60	41.83	34.57	30.85	30.10	32.75	33.18	33.10	34.94	35.50	43.03	57.56	85.14	71.24	54.29	45.65	44.14
24190	0.24	0.08	0.06	0.07	0.02	0.13	0.28	0.39	0.09	0.04	-0.04	-0.03	-0.06	0.02	-0.01	-0.02	0.04	0.05	0.34	0.57	0.61	0.58	0.53	0.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	44.81	41.44	37.50	37.24	40.40	38.29	46.42	57.54	42.23	34.99	31.33	30.57	33.33	33.66	33.55	35.36	35.96	43.63	58.02	85.50	71.39	54.45	45.78	44.40
355683	0.25	0.38	0.39	0.37	0.42	0.31	0.31	0.34	0.49	0.46	0.43	0.44	0.52	0.51	0.45	0.40	0.50	0.64	0.79	0.92	0.76	0.75	0.66	0.72
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	45.64	41.93	37.90	37.61	40.75	38.79	47.20	58.55	42.30	34.65	30.86	30.11	32.79	33.20	33.13	34.96	35.69	43.57	58.49	86.66	72.47	55.20	46.40	44.87
323833	1.08	0.88	0.79	0.74	0.77	0.81	1.10	1.35	0.56	0.11	-0.03	-0.02	-0.02	0.05	0.02	0.00	0.23	0.59	1.27	2.09	1.84	1.50	1.28	1.19
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	45.63	41.92	37.88	37.61	40.74	38.78	47.19	58.54	42.29	34.65	30.86	30.11	32.79	33.20	33.13	34.96	35.68	43.56	58.48	86.62	72.46	55.18	46.38	44.85
323834	1.07	0.87	0.77	0.74	0.76	0.80	1.09	1.33	0.55	0.11	-0.03	-0.02	-0.02	0.04	0.02	0.00	0.22	0.57	1.26	2.04	1.83	1.48	1.27	1.17
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	44.80	41.14	37.18	36.94	40.00	38.11	46.38	57.60	41.83	34.57	30.85	30.10	32.75	33.18	33.10	34.94	35.50	43.03	57.56	85.14	71.24	54.29	45.65	44.14
23571	0.24	0.08	0.06	0.07	0.02	0.13	0.28	0.39	0.09	0.04	-0.04	-0.03	-0.06	0.02	-0.01	-0.02	0.04	0.05	0.34	0.57	0.61	0.58	0.53	0.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	44.80 0.24 0.00	41.14 0.08 0.00	37.18 0.06 0.00	36.94 0.07 0.00	40.00 0.02 0.00	38.11 0.13 0.00	46.38 0.28 0.00	57.60 0.39 0.00	41.83 0.09 0.00	34.57 0.04 0.00	30.85 -0.04 0.00	30.10 -0.03 0.00	32.75 -0.06 0.00	33.18 0.02 0.00	33.10 -0.01 0.00	34.94 -0.02 0.00	35.50 0.04 0.00	43.03 0.05 0.00	57.56 0.34 0.00	85.14 0.57 0.00	71.24 0.61 0.00	54.29 0.58 0.00	45.65 0.53 0.00	44.14 0.47 0.00
ALBANY___3 23573	44.80 0.24 0.00	41.14 0.08 0.00	37.18 0.06 0.00	36.94 0.07 0.00	40.00 0.02 0.00	38.11 0.13 0.00	46.38 0.28 0.00	57.60 0.39 0.00	41.83 0.09 0.00	34.57 0.04 0.00	30.85 -0.04 0.00	30.10 -0.03 0.00	32.75 -0.06 0.00	33.18 0.02 0.00	33.10 -0.01 0.00	34.94 -0.02 0.00	35.50 0.04 0.00	43.03 0.05 0.00	57.56 0.34 0.00	85.14 0.57 0.00	71.24 0.61 0.00	54.29 0.58 0.00	45.65 0.53 0.00	44.14 0.47 0.00
ALBANY___4 23574	44.80 0.24 0.00	41.14 0.08 0.00	37.18 0.06 0.00	36.94 0.07 0.00	40.00 0.02 0.00	38.11 0.13 0.00	46.38 0.28 0.00	57.60 0.39 0.00	41.83 0.09 0.00	34.57 0.04 0.00	30.85 -0.04 0.00	30.10 -0.03 0.00	32.75 -0.06 0.00	33.18 0.02 0.00	33.10 -0.01 0.00	34.94 -0.02 0.00	35.50 0.04 0.00	43.03 0.05 0.00	57.56 0.34 0.00	85.14 0.57 0.00	71.24 0.61 0.00	54.29 0.58 0.00	45.65 0.53 0.00	44.14 0.47 0.00
ALBANY___LFGE 323615	45.20 0.64 0.00	41.49 0.44 0.00	37.50 0.39 0.00	37.26 0.39 0.00	40.35 0.37 0.00	38.44 0.47 0.00	46.79 0.69 0.00	58.10 0.89 0.00	42.17 0.43 0.00	34.84 0.30 0.00	31.08 0.18 0.00	30.32 0.19 0.00	32.99 0.18 0.00	33.40 0.24 0.00	33.33 0.22 0.00	35.20 0.24 0.00	35.81 0.35 0.00	43.43 0.44 0.00	58.12 0.90 0.00	85.93 1.36 0.00	71.91 1.27 0.00	54.78 1.08 0.00	46.06 0.94 0.00	44.53 0.85 0.00
ALCOA_PA_115KV_PL-6C 55860	47.03 0.34 -2.13	43.55 0.47 -2.02	39.49 0.49 -1.89	38.26 0.46 -0.93	41.01 0.52 -0.50	38.40 0.42 0.00	46.53 0.43 0.00	57.72 0.51 0.00	42.33 0.59 0.00	35.02 0.49 0.00	31.34 0.44 0.00	30.59 0.46 0.00	33.35 0.54 0.00	33.67 0.51 0.00	33.56 0.45 0.00	35.36 0.40 0.00	35.96 0.50 0.00	43.66 0.68 0.00	58.13 0.91 0.00	85.75 1.18 0.00	71.64 1.01 0.00	54.64 0.94 0.00	45.94 0.83 0.00	44.53 0.85 0.00
ALCOA_RYNLDS___DRP 24188	47.03 0.34 -2.13	43.55 0.47 -2.02	39.49 0.49 -1.89	38.26 0.46 -0.93	41.01 0.52 -0.50	38.40 0.42 0.00	46.53 0.43 0.00	57.72 0.51 0.00	42.33 0.59 0.00	35.02 0.49 0.00	31.34 0.44 0.00	30.59 0.46 0.00	33.35 0.54 0.00	33.67 0.51 0.00	33.56 0.45 0.00	35.36 0.40 0.00	35.96 0.50 0.00	43.66 0.68 0.00	58.13 0.91 0.00	85.75 1.18 0.00	71.64 1.01 0.00	54.64 0.94 0.00	45.94 0.83 0.00	44.53 0.85 0.00
ALCOA___DSASP 323711	47.03 0.34 -2.13	43.55 0.47 -2.02	39.49 0.48 -1.89	38.26 0.46 -0.93	41.01 0.52 -0.50	38.40 0.42 0.00	46.53 0.43 0.00	57.71 0.51 0.00	42.33 0.59 0.00	35.02 0.49 0.00	31.34 0.44 0.00	30.59 0.45 0.00	33.35 0.54 0.00	33.67 0.51 0.00	33.56 0.45 0.00	35.36 0.40 0.00	35.96 0.50 0.00	43.66 0.68 0.00	58.13 0.91 0.00	85.75 1.17 0.00	71.64 1.00 0.00	54.64 0.94 0.00	45.94 0.83 0.00	44.53 0.85 0.00
ALLEGHENY___COGEN 23514	44.72 0.16 0.00	41.71 0.66 0.00	37.66 0.55 0.00	37.33 0.46 0.00	40.69 0.71 0.00	38.18 0.20 0.00	46.17 0.07 0.00	57.47 0.27 0.00	41.76 0.02 0.00	33.98 -0.55 0.00	30.49 -0.41 0.00	29.43 -0.70 0.00	31.95 -0.86 0.00	32.07 -1.09 0.00	32.11 -1.00 0.00	34.19 -0.77 0.00	35.04 -0.42 0.00	42.73 -0.25 0.00	56.48 -0.75 0.00	83.86 -0.71 0.00	69.75 -0.88 0.00	52.40 -1.26 0.04	47.71 -1.20 -3.79	42.73 -1.05 -0.10
ALTAMONT_115KV_TB 2 55880	45.22 0.66 0.00	41.54 0.49 0.00	37.52 0.41 0.00	37.28 0.41 0.00	40.40 0.42 0.00	38.47 0.49 0.00	46.80 0.70 0.00	58.09 0.89 0.00	42.23 0.48 0.00	34.84 0.30 0.00	31.08 0.18 0.00	30.33 0.19 0.00	33.01 0.21 0.00	33.42 0.26 0.00	33.37 0.26 0.00	35.22 0.27 0.00	35.76 0.29 0.00	43.41 0.42 0.00	58.02 0.79 0.00	85.85 1.27 0.00	71.83 1.20 0.00	54.71 1.01 0.00	45.98 0.86 0.00	44.46 0.79 0.00
ALTONA_WT_PWR 323606	-20.80 -1.67 63.69	-20.81 -1.39 60.48	-20.77 -1.36 56.52	7.44 -1.55 27.88	23.33 -1.59 15.05	36.69 -1.29 0.00	45.01 -1.09 0.00	56.66 -0.55 0.00	41.27 -0.48 0.00	33.88 -0.66 0.00	30.48 -0.42 0.00	29.93 -0.20 0.00	32.67 -0.14 0.00	33.29 0.13 0.00	33.17 0.06 0.00	35.26 0.31 0.00	36.12 0.66 0.00	44.23 1.25 0.00	59.49 2.26 0.00	86.96 2.38 0.00	72.90 2.27 0.00	56.01 2.31 0.00	47.05 1.94 0.00	45.32 1.65 0.00
AMERICAN_REF_FUEL 24010	41.83 -2.73 0.00	39.15 -1.91 0.00	35.49 -1.63 0.00	35.05 -1.82 0.00	38.01 -1.97 0.00	35.26 -2.72 0.00	42.16 -3.94 0.00	52.04 -5.17 0.00	38.27 -3.47 0.00	32.12 -2.42 0.00	29.34 -1.56 0.00	28.40 -1.73 0.00	30.83 -1.98 0.00	30.79 -2.36 0.00	30.83 -2.28 0.00	32.66 -2.30 0.00	33.35 -2.11 0.00	39.70 -3.29 0.00	51.12 -6.11 0.00	75.07 -9.51 0.00	62.51 -8.12 0.00	47.45 -6.22 0.04	39.38 -4.89 0.84	39.49 -4.17 0.02
ARKWRIGHT___SUMMIT_WT_PWR 323751	44.59 0.03 0.00	41.37 0.32 0.00	37.24 0.13 0.00	36.94 0.07 0.00	40.12 0.15 0.00	37.52 -0.46 0.00	45.19 -0.91 0.00	56.22 -0.98 0.00	41.27 -0.47 0.00	34.38 -0.15 0.00	31.15 0.25 0.00	30.25 0.12 0.00	32.88 0.07 0.00	33.00 -0.16 0.00	32.95 -0.16 0.00	34.94 -0.02 0.00	35.30 -0.16 0.00	42.37 -0.61 0.00	54.50 -2.72 0.00	79.42 -5.16 0.00	65.95 -4.69 0.00	49.84 -3.82 0.05	40.55 -4.19 0.37	39.89 -3.78 0.01
ARTHUR KILL_GT_1 23520	56.77 2.14 -10.07	56.95 1.67 -14.23	55.82 1.36 -17.35	55.71 1.37 -17.48	55.72 1.51 -14.24	55.72 1.59 -16.15	55.93 2.02 -7.82	59.68 2.41 -0.07	56.97 1.83 -13.39	56.94 1.53 -20.87	56.19 1.35 -23.95	55.68 1.30 -24.26	55.68 1.29 -21.58	55.67 1.39 -21.12	55.68 1.48 -21.09	56.48 1.72 -19.80	56.85 1.54 -19.85	57.05 1.90 -12.17	65.10 2.50 -5.37	97.09 4.05 -8.47	97.12 3.70 -22.79	97.28 2.89 -40.69	59.52 2.34 -12.07	57.06 2.19 -11.19
ARTHUR_KILL_2 23512	56.64 2.01 -10.07	56.85 1.57 -14.23	55.72 1.26 -17.35	55.62 1.27 -17.48	55.62 1.40 -14.24	55.62 1.49 -16.15	55.81 1.89 -7.82	59.52 2.25 -0.07	56.85 1.71 -13.39	56.85 1.44 -20.87	56.13 1.28 -23.95	55.62 1.23 -24.26	55.62 1.23 -21.58	55.62 1.34 -21.12	55.62 1.42 -21.09	56.41 1.65 -19.80	56.78 1.46 -19.85	56.94 1.79 -12.17	64.94 2.34 -5.37	96.85 3.81 -8.47	96.91 3.48 -22.79	97.13 2.73 -40.69	59.39 2.21 -12.07	56.94 2.07 -11.19
ARTHUR_KILL_3 23513	56.05 1.42 -10.07	56.37 1.09 -14.23	55.31 0.84 -17.36	55.20 0.84 -17.48	55.16 0.93 -14.25	55.20 1.06 -16.16	55.36 1.44 -7.82	59.10 1.82 -0.07	56.50 1.36 -13.40	56.50 1.09 -20.88	55.80 0.94 -23.96	55.31 0.91 -24.26	55.32 0.84 -21.67	55.23 0.95 -21.12	55.23 1.04 -21.08	56.02 1.27 -19.79	56.39 1.07 -19.86	56.56 1.40 -12.17	64.53 1.93 -5.38	90.71 3.26 -2.87	96.42 3.00 -22.78	96.61 2.22 -40.69	58.93 1.74 -12.08	56.43 1.57 -11.19



ARTHUR_KILL_COGEN 323718	56.77 2.14 -10.07	56.95 1.67 -14.23	55.82 1.36 -17.35	55.71 1.37 -17.48	55.72 1.51 -14.24	55.72 1.59 -16.15	55.93 2.02 -7.82	59.68 2.41 -0.07	56.97 1.83 -13.39	56.94 1.53 -20.87	56.19 1.35 -23.95	55.68 1.30 -24.26	55.68 1.29 -21.58	55.67 1.39 -21.12	55.68 1.48 -21.09	56.48 1.72 -19.80	56.85 1.54 -19.85	57.05 1.90 -12.17	65.10 2.50 -5.37	97.09 4.05 -8.47	97.12 3.70 -22.79	97.28 2.89 -40.69	59.52 2.34 -12.07	57.06 2.19 -11.19
ASHOKAN____ 23654	46.92 2.36 0.00	43.05 1.99 0.00	38.85 1.74 0.00	38.63 1.75 0.00	41.87 1.89 0.00	39.94 1.96 0.00	48.67 2.57 0.00	60.56 3.35 0.00	44.03 2.29 0.00	36.12 1.58 0.00	32.09 1.20 0.00	31.19 1.06 0.00	33.83 1.02 0.00	34.20 1.05 0.00	34.16 1.05 0.00	36.14 1.19 0.00	36.77 1.31 0.00	44.92 1.93 0.00	60.32 3.09 0.00	89.74 5.16 0.00	75.13 4.50 0.00	57.10 3.40 0.00	47.83 2.71 0.00	46.14 2.46 0.00
ASTORIA_EAST_ENERGY_CC1 323581	46.19 1.63 0.00	42.29 1.24 0.00	38.05 0.93 0.00	37.80 0.93 0.00	41.00 1.02 0.00	39.12 1.14 0.00	47.64 1.53 0.00	59.06 1.86 0.00	43.24 1.49 0.00	35.80 1.26 0.00	31.99 1.09 -0.01	31.17 1.03 -0.01	33.84 1.02 -0.01	34.30 1.14 -0.01	34.31 1.20 -0.01	36.40 1.45 0.00	36.71 1.25 0.00	44.53 1.54 0.00	59.35 2.13 0.00	88.17 3.59 0.00	73.93 3.30 -0.01	56.17 2.47 -0.01	47.06 1.94 0.00	45.41 1.73 0.00
ASTORIA_EAST_ENERGY_CC2 323582	46.19 1.63 0.00	42.29 1.24 0.00	38.05 0.93 0.00	37.80 0.93 0.00	41.00 1.02 0.00	39.12 1.14 0.00	47.64 1.53 0.00	59.06 1.86 0.00	43.24 1.49 0.00	35.80 1.26 0.00	31.99 1.09 -0.01	31.17 1.03 -0.01	33.83 1.02 -0.01	34.30 1.14 -0.01	34.31 1.20 -0.01	36.39 1.44 0.00	36.71 1.25 0.00	44.53 1.54 0.00	59.35 2.13 0.00	88.17 3.59 0.00	73.93 3.30 -0.01	56.17 2.47 -0.01	47.06 1.94 0.00	45.41 1.73 0.00
ASTORIA_GT2_1 24094	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT2_2 24095	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT2_3 24096	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT2_4 24097	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT3_1 24098	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT3_2 24099	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT3_3 24100	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT3_4 24101	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT4_1 24102	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT4_2 24103	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT4_3 24104	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00



ASTORIA_GT4_4 24105	46.23 1.66 0.00	42.30 1.25 0.00	38.07 0.95 0.00	37.82 0.95 0.00	41.02 1.05 0.00	39.13 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.17 1.04 -0.01	33.84 1.03 -0.01	34.31 1.15 -0.01	34.33 1.22 -0.01	36.42 1.47 0.00	36.72 1.25 0.00	44.54 1.56 0.00	59.39 2.16 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.09 1.97 0.00	45.43 1.76 0.00
ASTORIA_GT_1 23523	46.28 1.72 0.00	42.37 1.32 0.00	38.12 1.01 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.21 0.00	47.73 1.63 0.00	59.19 1.99 0.00	43.32 1.57 0.00	35.86 1.33 0.00	32.05 1.15 -0.01	31.23 1.09 -0.01	33.90 1.08 -0.01	34.36 1.20 -0.01	34.37 1.26 -0.01	36.47 1.51 0.00	36.78 1.32 0.00	44.61 1.63 0.00	59.47 2.24 0.00	88.35 3.77 0.00	74.08 3.44 -0.01	56.29 2.59 -0.01	47.14 2.03 0.00	45.49 1.82 0.00
ASTORIA_GT_10 24110	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.52 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.96 1.50 0.00	44.88 1.89 0.00	59.80 2.57 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.28 0.00	45.74 2.06 0.00
ASTORIA_GT_11 24225	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.52 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.96 1.50 0.00	44.88 1.89 0.00	59.80 2.57 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.28 0.00	45.74 2.06 0.00
ASTORIA_GT_12 24226	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.52 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.96 1.50 0.00	44.88 1.89 0.00	59.80 2.57 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.28 0.00	45.74 2.06 0.00
ASTORIA_GT_13 24227	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.52 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.96 1.50 0.00	44.88 1.89 0.00	59.80 2.57 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.28 0.00	45.74 2.06 0.00
ASTORIA_GT_5 24106	46.28 1.72 0.00	42.37 1.31 0.00	38.12 1.01 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.21 0.00	47.73 1.63 0.00	59.19 1.98 0.00	43.32 1.57 0.00	35.87 1.33 0.00	32.05 1.15 -0.01	31.23 1.09 -0.01	33.89 1.08 -0.01	34.36 1.20 -0.01	34.37 1.26 -0.01	36.47 1.51 0.00	36.78 1.32 0.00	44.61 1.63 0.00	59.47 2.25 0.00	88.35 3.77 0.00	74.08 3.45 -0.01	56.29 2.59 -0.01	47.15 2.03 0.00	45.49 1.82 0.00
ASTORIA_GT_7 24107	46.28 1.72 0.00	42.37 1.31 0.00	38.12 1.01 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.21 0.00	47.73 1.63 0.00	59.19 1.98 0.00	43.32 1.57 0.00	35.87 1.33 0.00	32.05 1.15 -0.01	31.23 1.09 -0.01	33.89 1.08 -0.01	34.36 1.20 -0.01	34.37 1.26 -0.01	36.47 1.51 0.00	36.78 1.32 0.00	44.61 1.63 0.00	59.47 2.25 0.00	88.35 3.77 0.00	74.08 3.45 -0.01	56.29 2.59 -0.01	47.15 2.03 0.00	45.49 1.82 0.00
ASTORIA_GT_8 24108	46.28 1.72 0.00	42.37 1.31 0.00	38.12 1.01 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.21 0.00	47.73 1.63 0.00	59.19 1.98 0.00	43.32 1.57 0.00	35.87 1.33 0.00	32.05 1.15 -0.01	31.23 1.09 -0.01	33.89 1.08 -0.01	34.36 1.20 -0.01	34.37 1.26 -0.01	36.47 1.51 0.00	36.78 1.32 0.00	44.61 1.63 0.00	59.47 2.25 0.00	88.35 3.77 0.00	74.08 3.45 -0.01	56.29 2.59 -0.01	47.15 2.03 0.00	45.49 1.82 0.00
ASTORIA___2 24149	46.23 1.67 0.00	42.31 1.25 0.00	38.07 0.96 0.00	37.81 0.95 0.00	41.02 1.04 0.00	39.14 1.16 0.00	47.66 1.56 0.00	59.10 1.89 0.00	43.26 1.51 0.00	35.81 1.27 0.00	32.00 1.10 -0.01	31.18 1.04 -0.01	33.84 1.03 -0.01	34.31 1.14 -0.01	34.32 1.21 -0.01	36.42 1.46 0.00	36.72 1.26 0.00	44.54 1.55 0.00	59.37 2.15 0.00	88.22 3.64 0.00	73.97 3.33 -0.01	56.21 2.51 -0.01	47.08 1.97 0.00	45.43 1.76 0.00
ASTORIA___3 23516	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.51 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.97 1.50 0.00	44.87 1.89 0.00	59.79 2.56 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.27 0.00	45.74 2.06 0.00
ASTORIA___4 23517	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.52 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.96 1.50 0.00	44.88 1.89 0.00	59.80 2.57 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.28 0.00	45.74 2.06 0.00
ASTORIA___5 23518	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.51 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.97 1.50 0.00	44.87 1.89 0.00	59.79 2.56 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.27 0.00	45.74 2.06 0.00
AST_ENERGY_2_CC3 323677	46.18 1.62 0.00	42.30 1.25 0.00	38.07 0.96 0.00	37.83 0.96 0.00	41.02 1.04 0.00	39.15 1.17 0.00	47.67 1.57 0.00	59.18 1.97 0.00	43.22 1.48 0.00	35.75 1.21 0.00	31.96 1.07 0.00	31.16 1.03 0.00	33.79 0.98 0.00	34.25 1.09 0.00	34.28 1.17 0.00	36.38 1.42 0.00	36.71 1.25 0.00	44.55 1.56 0.00	59.36 2.14 0.00	88.11 3.53 0.00	73.85 3.22 0.00	56.12 2.42 0.00	47.03 1.92 0.00	45.40 1.72 0.00
AST_ENERGY_2_CC4 323678	46.18 1.62 0.00	42.30 1.25 0.00	38.07 0.96 0.00	37.83 0.96 0.00	41.02 1.04 0.00	39.15 1.17 0.00	47.67 1.57 0.00	59.18 1.97 0.00	43.22 1.48 0.00	35.75 1.21 0.00	31.96 1.07 0.00	31.16 1.03 0.00	33.79 0.98 0.00	34.25 1.09 0.00	34.28 1.17 0.00	36.38 1.42 0.00	36.71 1.25 0.00	44.55 1.56 0.00	59.36 2.14 0.00	88.11 3.53 0.00	73.85 3.22 0.00	56.12 2.42 0.00	47.03 1.92 0.00	45.40 1.72 0.00



ATHENS_STG_1 23668	45.44 0.88 0.00	41.70 0.65 0.00	37.64 0.52 0.00	37.40 0.53 0.00	40.54 0.56 0.00	38.63 0.66 0.00	47.02 0.92 0.00	58.35 1.15 0.00	42.49 0.74 0.00	35.09 0.56 0.00	31.33 0.43 0.00	30.57 0.43 0.00	33.27 0.46 0.00	33.69 0.53 0.00	33.67 0.56 0.00	35.56 0.60 0.00	36.01 0.55 0.00	43.70 0.71 0.00	58.30 1.08 0.00	86.32 1.74 0.00	72.22 1.59 0.00	55.02 1.32 0.00	46.19 1.08 0.00	44.67 0.99 0.00
ATHENS_STG_2 23670	45.44 0.88 0.00	41.70 0.65 0.00	37.64 0.52 0.00	37.40 0.53 0.00	40.54 0.56 0.00	38.63 0.66 0.00	47.02 0.92 0.00	58.35 1.15 0.00	42.49 0.74 0.00	35.09 0.56 0.00	31.33 0.43 0.00	30.57 0.43 0.00	33.27 0.46 0.00	33.69 0.53 0.00	33.67 0.56 0.00	35.56 0.60 0.00	36.01 0.55 0.00	43.70 0.71 0.00	58.30 1.08 0.00	86.32 1.74 0.00	72.22 1.59 0.00	55.02 1.32 0.00	46.19 1.08 0.00	44.67 0.99 0.00
ATHENS_STG_3 23677	45.44 0.88 0.00	41.70 0.65 0.00	37.64 0.52 0.00	37.40 0.53 0.00	40.54 0.56 0.00	38.63 0.66 0.00	47.02 0.92 0.00	58.35 1.15 0.00	42.49 0.74 0.00	35.09 0.56 0.00	31.33 0.43 0.00	30.57 0.43 0.00	33.27 0.46 0.00	33.69 0.53 0.00	33.67 0.56 0.00	35.56 0.60 0.00	36.01 0.55 0.00	43.70 0.71 0.00	58.30 1.08 0.00	86.32 1.74 0.00	72.22 1.59 0.00	55.02 1.32 0.00	46.19 1.08 0.00	44.67 0.99 0.00
AUBURN___LFGE 323710	44.69 0.13 0.00	41.30 0.24 0.00	37.34 0.23 0.00	37.11 0.24 0.00	40.10 0.12 0.00	38.05 0.07 0.00	46.20 0.10 0.00	57.37 0.16 0.00	41.80 0.06 0.00	34.43 -0.11 0.00	30.79 -0.11 0.00	29.97 -0.16 0.00	32.60 -0.21 0.00	32.89 -0.26 0.00	32.89 -0.22 0.00	34.70 -0.26 0.00	35.37 -0.09 0.00	42.95 -0.04 0.00	57.10 -0.13 0.00	84.45 -0.13 0.00	70.15 -0.48 0.00	53.09 -0.63 0.00	44.64 -0.47 0.00	43.23 -0.45 0.00
BABYLON_RES_REC 323704	46.46 1.90 0.00	42.23 1.18 0.00	38.00 0.89 0.00	37.75 0.87 0.00	41.05 1.07 0.00	39.27 1.29 0.00	48.02 1.92 0.00	59.18 1.97 0.00	43.10 1.36 0.00	35.58 1.05 0.00	31.71 0.82 0.00	30.78 0.65 0.00	33.41 0.60 0.00	33.86 0.71 0.00	34.07 0.96 0.00	36.66 1.71 0.00	36.78 1.32 0.00	44.88 1.88 -0.02	60.07 2.85 0.00	89.07 4.49 0.00	74.54 3.91 0.00	57.41 3.26 -0.46	49.44 2.74 -1.58	46.15 2.47 0.00
BABYLON__69_KV_BK2 356345	46.82 2.26 0.00	42.51 1.46 0.00	38.26 1.14 0.00	37.99 1.12 0.00	41.33 1.35 0.00	39.54 1.56 0.00	48.39 2.28 0.00	59.58 2.37 0.00	43.38 1.64 0.00	36.92 1.28 -1.10	33.15 1.03 -1.23	32.07 0.83 -1.11	33.59 0.78 0.00	34.03 0.88 0.00	34.26 1.16 0.00	36.94 1.98 0.00	37.07 1.60 0.00	45.24 2.24 -0.02	60.58 3.35 0.00	89.79 5.22 0.00	75.15 4.52 0.00	57.88 3.76 -0.42	49.69 3.15 -1.43	46.52 2.84 0.00
BALL_HILL_WT_PWR 323825	43.99 -0.57 0.00	40.89 -0.16 0.00	36.85 -0.26 0.00	36.54 -0.33 0.00	39.69 -0.29 0.00	37.08 -0.90 0.00	44.57 -1.54 0.00	55.38 -1.82 0.00	40.65 -1.09 0.00	33.89 -0.64 0.00	30.73 -0.17 0.00	29.86 -0.27 0.00	32.49 -0.32 0.00	32.58 -0.57 0.00	32.56 -0.55 0.00	34.53 -0.42 0.00	34.93 -0.53 0.00	41.97 -1.01 0.00	54.08 -3.15 0.00	79.31 -5.26 0.00	65.83 -4.80 0.00	49.72 -3.93 0.04	40.84 -3.73 0.54	40.46 -3.20 0.01
BARON_WINDS___WT_PWR 323822	42.47 -2.09 0.00	39.70 -1.35 0.00	35.74 -1.37 0.00	35.42 -1.45 0.00	38.74 -1.24 0.00	36.44 -1.54 0.00	44.13 -1.97 0.00	55.10 -2.11 0.00	40.42 -1.32 0.00	33.49 -1.05 0.00	30.11 -0.79 0.00	29.11 -1.02 0.00	31.68 -1.13 0.00	31.85 -1.30 0.00	31.86 -1.25 0.00	33.90 -1.05 0.00	34.52 -0.94 0.00	41.90 -1.09 0.00	54.70 -2.52 0.00	80.34 -4.24 0.00	66.43 -4.21 0.00	49.68 -3.90 0.11	32.88 -3.48 8.76	40.37 -3.07 0.23
BARRETT_IC_1 23704	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_10 23701	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_11 23702	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_12 23703	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_2 23705	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_3 23706	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_4 23707	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02



BARRETT_IC_5 23708	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_6 23709	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_7 23710	46.37 1.81 0.00	42.25 1.20 0.00	38.02 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.17 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.64 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_8 23711	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT_IC_9 23700	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT___1 23545	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BARRETT___2 23546	46.37 1.81 0.00	42.26 1.20 0.00	38.03 0.91 0.00	37.77 0.90 0.00	41.09 1.12 0.00	39.31 1.33 0.00	47.92 1.82 0.00	59.16 1.96 0.00	43.14 1.40 0.00	35.70 1.16 0.00	31.90 1.01 0.00	30.99 0.86 0.00	33.63 0.83 0.00	34.09 0.94 0.00	34.21 1.11 0.00	36.66 1.70 0.00	36.82 1.36 0.00	45.06 1.82 -0.26	59.84 2.62 -0.01	88.63 4.05 0.00	74.19 3.56 0.00	62.04 2.90 -5.44	66.18 2.33 -18.74	45.91 2.22 -0.02
BATAVIA___115KV_TB1 55881	43.84 -0.72 0.00	40.89 -0.17 0.00	37.02 -0.09 0.00	36.62 -0.25 0.00	39.73 -0.25 0.00	37.05 -0.93 0.00	44.48 -1.63 0.00	55.05 -2.16 0.00	40.29 -1.46 0.00	33.50 -1.04 0.00	30.34 -0.55 0.00	29.26 -0.88 0.00	31.91 -0.90 0.00	31.81 -1.34 0.00	31.80 -1.31 0.00	33.71 -1.25 0.00	34.62 -0.84 0.00	41.73 -1.26 0.00	54.31 -2.91 0.00	80.14 -4.44 0.00	66.76 -3.88 0.00	50.46 -3.21 0.03	41.91 -2.53 0.67	41.56 -2.10 0.02
BAYONEEC___CTG1 323682	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BAYONEEC___CTG10 323750	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BAYONEEC___CTG2 323683	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BAYONEEC___CTG3 323684	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BAYONEEC___CTG4 323685	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BAYONEEC___CTG5 323686	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BAYONEEC___CTG6 323687	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00



BAYONEEC___CTG7 323688	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BAYONEEC___CTG8 323689	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BAYONEEC___CTG9 323749	46.20 1.65 0.00	42.33 1.27 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.22 0.00	47.74 1.64 0.00	59.27 2.07 0.00	43.28 1.54 0.00	35.78 1.24 0.00	31.98 1.09 0.00	31.18 1.05 0.00	33.81 1.00 0.00	34.27 1.11 0.00	34.30 1.20 0.00	36.40 1.44 0.00	36.72 1.26 0.00	44.60 1.61 0.00	59.44 2.22 0.00	88.23 3.66 0.00	73.94 3.31 0.00	56.18 2.48 0.00	47.08 1.97 0.00	45.46 1.78 0.00
BEACON___LESR 323632	45.53 0.97 0.00	41.74 0.69 0.00	37.69 0.58 0.00	37.46 0.59 0.00	40.57 0.59 0.00	38.68 0.70 0.00	47.17 1.07 0.00	58.59 1.38 0.00	42.44 0.70 0.00	35.03 0.50 0.00	31.21 0.31 0.00	30.49 0.35 0.00	33.15 0.34 0.00	33.54 0.38 0.00	33.45 0.34 0.00	35.39 0.43 0.00	36.03 0.57 0.00	43.92 0.93 0.00	58.56 1.34 0.00	86.68 2.10 0.00	72.56 1.93 0.00	55.09 1.39 0.00	46.41 1.29 0.00	44.79 1.12 0.00
BEAVER RIVER___HYD 24048	47.56 -0.67 -3.67	44.03 -0.51 -3.49	40.24 -0.13 -3.26	38.63 0.15 -1.61	41.31 0.47 -0.87	38.35 0.37 0.00	46.59 0.48 0.00	58.02 0.82 0.00	42.05 0.31 0.00	34.28 -0.26 0.00	30.46 -0.43 0.00	29.62 -0.51 0.00	32.24 -0.56 0.00	32.52 -0.63 0.00	32.47 -0.64 0.00	34.33 -0.62 0.00	34.96 -0.50 0.00	43.06 0.08 0.00	58.52 1.29 0.00	87.18 2.61 0.00	72.81 2.18 0.00	55.09 1.39 0.00	45.92 0.81 0.00	44.03 0.35 0.00
BEEBEE_GT_13 23619	43.66 -0.90 0.00	40.53 -0.53 0.00	36.69 -0.42 0.00	36.36 -0.51 0.00	39.42 -0.56 0.00	36.99 -0.99 0.00	44.56 -1.54 0.00	55.17 -2.03 0.00	40.32 -1.43 0.00	33.50 -1.03 0.00	30.30 -0.59 0.00	29.41 -0.72 0.00	31.95 -0.86 0.00	32.07 -1.08 0.00	32.11 -0.99 0.00	34.05 -0.91 0.00	34.74 -0.72 0.00	41.85 -1.14 0.00	54.75 -2.47 0.00	80.79 -3.79 0.00	67.28 -3.35 0.00	50.88 -2.80 0.02	42.89 -2.23 0.00	41.71 -1.96 0.00
BENSHRST_27_KV_BENSHRST_1 355998	57.11 2.48 -10.07	57.25 1.97 -14.23	56.07 1.60 -17.35	55.94 1.59 -17.48	55.96 1.75 -14.24	55.95 1.82 -16.15	56.29 2.37 -7.82	60.19 2.92 -0.07	57.34 2.20 -13.39	57.25 1.84 -20.87	56.51 1.66 -23.95	56.00 1.61 -24.26	56.02 1.62 -21.58	56.02 1.74 -21.12	56.01 1.82 -21.09	56.85 2.09 -19.80	57.24 1.92 -19.85	57.55 2.39 -12.17	65.80 3.20 -5.38	98.18 5.13 -8.47	98.02 4.59 -22.79	97.88 3.49 -40.69	59.98 2.79 -12.07	57.43 2.56 -11.19
BETHLEHEM___GRP 23843	44.80 0.24 0.00	41.14 0.08 0.00	37.18 0.06 0.00	36.94 0.07 0.00	40.00 0.02 0.00	38.11 0.13 0.00	46.38 0.28 0.00	57.60 0.39 0.00	41.83 0.09 0.00	34.57 0.04 0.00	30.85 -0.04 0.00	30.10 -0.03 0.00	32.75 -0.06 0.00	33.18 0.02 0.00	33.10 -0.01 0.00	34.94 -0.02 0.00	35.50 0.04 0.00	43.03 0.05 0.00	57.56 0.34 0.00	85.14 0.57 0.00	71.24 0.61 0.00	54.29 0.58 0.00	45.65 0.53 0.00	44.14 0.47 0.00
BETHLEHEM___GS1 323560	44.80 0.24 0.00	41.14 0.08 0.00	37.18 0.06 0.00	36.94 0.07 0.00	40.00 0.02 0.00	38.11 0.13 0.00	46.38 0.28 0.00	57.60 0.39 0.00	41.83 0.09 0.00	34.57 0.04 0.00	30.85 -0.04 0.00	30.10 -0.03 0.00	32.75 -0.06 0.00	33.17 0.02 0.00	33.10 -0.01 0.00	34.94 -0.02 0.00	35.51 0.05 0.00	43.03 0.05 0.00	57.57 0.34 0.00	85.14 0.57 0.00	71.24 0.61 0.00	54.29 0.59 0.00	45.65 0.54 0.00	44.14 0.47 0.00
BETHLEHEM___GS2 323561	44.80 0.24 0.00	41.14 0.08 0.00	37.18 0.06 0.00	36.94 0.07 0.00	40.00 0.02 0.00	38.11 0.13 0.00	46.38 0.28 0.00	57.60 0.39 0.00	41.83 0.09 0.00	34.57 0.04 0.00	30.85 -0.04 0.00	30.10 -0.03 0.00	32.75 -0.06 0.00	33.17 0.02 0.00	33.10 -0.01 0.00	34.94 -0.02 0.00	35.51 0.05 0.00	43.03 0.05 0.00	57.57 0.34 0.00	85.14 0.57 0.00	71.24 0.61 0.00	54.29 0.59 0.00	45.65 0.54 0.00	44.14 0.47 0.00
BETHLEHEM___GS3 323562	44.80 0.24 0.00	41.14 0.08 0.00	37.18 0.06 0.00	36.94 0.07 0.00	40.00 0.02 0.00	38.11 0.13 0.00	46.38 0.28 0.00	57.60 0.39 0.00	41.83 0.09 0.00	34.57 0.04 0.00	30.85 -0.04 0.00	30.10 -0.03 0.00	32.75 -0.06 0.00	33.17 0.02 0.00	33.10 -0.01 0.00	34.94 -0.02 0.00	35.51 0.05 0.00	43.03 0.05 0.00	57.57 0.34 0.00	85.14 0.57 0.00	71.24 0.61 0.00	54.29 0.59 0.00	45.65 0.54 0.00	44.14 0.47 0.00
BETHLEHEM___STEEL 23779	43.43 -1.13 0.00	40.57 -0.48 0.00	36.72 -0.39 0.00	36.33 -0.54 0.00	39.40 -0.57 0.00	36.63 -1.35 0.00	43.88 -2.22 0.00	54.28 -2.92 0.00	39.85 -1.89 0.00	33.36 -1.17 0.00	30.39 -0.51 0.00	29.45 -0.69 0.00	32.02 -0.79 0.00	32.01 -1.15 0.00	32.03 -1.08 0.00	33.97 -0.99 0.00	34.60 -0.86 0.00	41.44 -1.55 0.00	53.44 -3.79 0.00	78.53 -6.04 0.00	65.31 -5.32 0.00	49.38 -4.28 0.04	41.04 -3.40 0.67	40.86 -2.80 0.02
BETHLHEM_115KV_TB1 79974	44.88 0.32 0.00	41.22 0.16 0.00	37.25 0.14 0.00	37.01 0.14 0.00	40.09 0.11 0.00	38.19 0.21 0.00	46.47 0.36 0.00	57.69 0.48 0.00	41.91 0.17 0.00	34.63 0.10 0.00	30.91 0.01 0.00	30.16 0.03 0.00	32.82 0.01 0.00	33.23 0.08 0.00	33.17 0.06 0.00	35.00 0.05 0.00	35.57 0.11 0.00	43.10 0.12 0.00	57.65 0.43 0.00	85.25 0.68 0.00	71.35 0.72 0.00	54.37 0.67 0.00	45.70 0.59 0.00	44.21 0.54 0.00
BETHPAGE_CC_5 323564	46.41 1.85 0.00	42.23 1.18 0.00	38.00 0.89 0.00	37.75 0.87 0.00	41.04 1.07 0.00	39.26 1.28 0.00	47.97 1.87 0.00	59.18 1.97 0.00	43.15 1.41 0.00	35.65 1.12 0.00	31.81 0.91 0.00	30.89 0.76 0.00	33.53 0.72 0.00	33.99 0.84 0.00	34.17 1.07 0.00	36.74 1.78 0.00	36.86 1.40 0.00	44.91 1.90 -0.03	59.94 2.72 0.00	88.84 4.27 0.00	74.38 3.75 0.00	57.42 3.10 -0.62	49.84 2.60 -2.14	46.08 2.40 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	43.55 -1.01 0.00	40.68 -0.37 0.00	36.82 -0.29 0.00	36.42 -0.45 0.00	39.50 -0.48 0.00	36.73 -1.25 0.00	44.01 -2.09 0.00	54.46 -2.75 0.00	39.99 -1.76 0.00	33.47 -1.06 0.00	30.48 -0.41 0.00	29.53 -0.60 0.00	32.12 -0.69 0.00	32.10 -1.06 0.00	32.12 -0.98 0.00	34.07 -0.89 0.00	34.71 -0.75 0.00	41.56 -1.42 0.00	53.67 -3.55 0.00	78.95 -5.63 0.00	65.62 -5.01 0.00	49.58 -4.08 0.04	41.24 -3.25 0.62	41.00 -2.66 0.02



BINGHAMTON___COGEN 23790	44.33 -0.23 0.00	40.94 -0.12 0.00	36.92 -0.19 0.00	36.68 -0.19 0.00	39.83 -0.15 0.00	37.72 -0.25 0.00	45.67 -0.43 0.00	56.77 -0.44 0.00	41.47 -0.27 0.00	34.32 -0.21 0.00	30.77 -0.13 0.00	30.00 -0.13 0.00	32.70 -0.11 0.00	32.98 -0.18 0.00	32.93 -0.17 0.00	34.86 -0.10 0.00	35.31 -0.16 0.00	42.87 -0.12 0.00	56.62 -0.60 0.00	83.82 -0.76 0.00	69.78 -0.85 0.00	52.79 -0.89 0.02	44.30 -0.81 0.00	42.95 -0.73 0.00
BIXINCNT_115KV_LOAD 355685	44.02 -0.55 0.00	41.23 0.17 0.00	37.33 0.21 0.00	36.92 0.05 0.00	39.95 -0.03 0.00	37.18 -0.80 0.00	44.75 -1.35 0.00	55.66 -1.55 0.00	40.89 -0.86 0.00	34.16 -0.38 0.00	31.01 0.11 0.00	30.12 -0.01 0.00	32.81 -0.01 0.00	32.82 -0.34 0.00	32.81 -0.29 0.00	34.82 -0.13 0.00	35.35 -0.11 0.00	42.41 -0.57 0.00	54.71 -2.52 0.00	80.39 -4.19 0.00	66.67 -3.96 0.00	49.80 -3.85 0.05	41.50 -3.33 0.29	40.97 -2.70 0.01
BLACK RIVER___HYD 24047	46.93 -0.20 -2.56	43.45 -0.04 -2.44	39.75 0.36 -2.28	38.64 0.64 -1.12	41.61 1.03 -0.61	38.82 0.84 0.00	47.18 1.08 0.00	58.71 1.50 0.00	42.36 0.62 0.00	34.33 -0.21 0.00	30.42 -0.48 0.00	29.55 -0.58 0.00	32.12 -0.69 0.00	32.38 -0.78 0.00	32.35 -0.75 0.00	34.22 -0.74 0.00	34.85 -0.61 0.00	43.12 0.13 0.00	59.08 1.85 0.00	88.34 3.76 0.00	73.76 3.13 0.00	55.65 1.95 0.00	46.31 1.20 0.00	44.40 0.72 0.00
BLACKRVR_115KV_TB2 79977	46.92 -0.20 -2.56	43.45 -0.04 -2.44	39.75 0.36 -2.28	38.64 0.65 -1.12	41.61 1.03 -0.61	38.82 0.84 0.00	47.18 1.08 0.00	58.71 1.50 0.00	42.36 0.62 0.00	34.33 -0.21 0.00	30.42 -0.48 0.00	29.55 -0.58 0.00	32.12 -0.69 0.00	32.38 -0.78 0.00	32.35 -0.76 0.00	34.22 -0.74 0.00	34.85 -0.61 0.00	43.12 0.13 0.00	59.08 1.85 0.00	88.34 3.76 0.00	73.76 3.13 0.00	55.65 1.95 0.00	46.31 1.20 0.00	44.40 0.73 0.00
BLISS_WT_PWR 323608	43.98 -0.58 0.00	41.21 0.15 0.00	37.33 0.22 0.00	36.92 0.05 0.00	39.91 -0.07 0.00	37.13 -0.85 0.00	44.78 -1.32 0.00	55.71 -1.49 0.00	40.96 -0.79 0.00	34.22 -0.32 0.00	31.06 0.17 0.00	30.16 0.03 0.00	32.85 0.04 0.00	32.86 -0.30 0.00	32.85 -0.26 0.00	34.87 -0.09 0.00	35.40 -0.06 0.00	42.46 -0.52 0.00	54.75 -2.48 0.00	80.37 -4.20 0.00	66.63 -4.00 0.00	49.64 -4.01 0.05	41.30 -3.52 0.29	40.79 -2.88 0.01
BLUESTONE___WT_PWR 323821	43.03 -1.53 0.00	39.98 -1.08 0.00	35.92 -1.19 0.00	35.78 -1.09 0.00	38.86 -1.12 0.00	37.05 -0.93 0.00	45.25 -0.85 0.00	57.05 -0.15 0.00	42.31 0.57 0.00	34.44 -0.09 0.00	31.23 0.33 0.00	30.79 0.65 0.00	33.67 0.86 0.00	33.93 0.78 0.00	33.96 0.86 0.00	35.99 1.03 0.00	36.72 1.26 0.00	45.11 2.13 0.00	60.05 2.83 0.00	89.00 4.42 0.00	73.21 2.57 0.00	54.50 0.78 -0.02	44.84 -0.27 0.00	42.78 -0.90 0.00
BLUE_CIRC_CHEM_DRP 24182	45.33 0.77 0.00	41.65 0.60 0.00	37.64 0.52 0.00	37.39 0.52 0.00	40.50 0.52 0.00	38.55 0.57 0.00	46.91 0.81 0.00	58.19 0.98 0.00	42.17 0.42 0.00	34.70 0.16 0.00	30.94 0.04 0.00	30.19 0.06 0.00	32.88 0.07 0.00	33.29 0.13 0.00	33.23 0.12 0.00	35.05 0.10 0.00	35.69 0.23 0.00	43.41 0.42 0.00	58.12 0.90 0.00	85.99 1.41 0.00	71.93 1.30 0.00	54.80 1.10 0.00	46.08 0.96 0.00	44.57 0.90 0.00
BOC_GAS_DRP 24189	45.06 0.50 0.00	41.39 0.33 0.00	37.39 0.28 0.00	37.16 0.28 0.00	40.26 0.28 0.00	38.34 0.36 0.00	46.63 0.53 0.00	57.88 0.68 0.00	42.11 0.36 0.00	34.79 0.26 0.00	31.06 0.16 0.00	30.31 0.18 0.00	32.99 0.18 0.00	33.41 0.25 0.00	33.35 0.25 0.00	35.20 0.24 0.00	35.71 0.25 0.00	43.29 0.31 0.00	57.80 0.57 0.00	85.49 0.91 0.00	71.53 0.90 0.00	54.50 0.80 0.00	45.80 0.69 0.00	44.31 0.63 0.00
BOONVILLE_115KV_TB1 79983	46.25 0.30 -1.40	42.67 0.29 -1.33	38.74 0.39 -1.24	38.00 0.52 -0.61	41.03 0.72 -0.33	38.67 0.69 0.00	46.99 0.89 0.00	58.43 1.22 0.00	42.43 0.68 0.00	34.83 0.29 0.00	31.05 0.16 0.00	30.24 0.11 0.00	32.90 0.09 0.00	33.22 0.06 0.00	33.16 0.05 0.00	35.05 0.10 0.00	35.68 0.22 0.00	43.68 0.70 0.00	58.74 1.52 0.00	87.18 2.61 0.00	72.78 2.15 0.00	55.12 1.42 0.00	46.08 0.97 0.00	44.35 0.68 0.00
BORALEX_4TH_BRANCH 23824	45.79 1.23 0.00	41.90 0.84 0.00	37.83 0.72 0.00	37.58 0.71 0.00	40.69 0.71 0.00	38.74 0.77 0.00	47.36 1.26 0.00	58.84 1.63 0.00	42.57 0.82 0.00	35.09 0.56 0.00	31.14 0.25 0.00	30.42 0.28 0.00	33.04 0.23 0.00	33.48 0.33 0.00	33.35 0.24 0.00	35.34 0.39 0.00	36.01 0.54 0.00	43.63 0.64 0.00	58.74 1.52 0.00	86.91 2.33 0.00	72.86 2.23 0.00	55.62 1.92 0.00	46.90 1.79 0.00	45.40 1.72 0.00
BOWLINE___1 23526	45.71 1.15 0.00	41.93 0.88 0.00	37.78 0.67 0.00	37.55 0.68 0.00	40.75 0.78 0.00	38.88 0.90 0.00	47.32 1.22 0.00	58.78 1.57 0.00	42.84 1.10 0.00	35.37 0.83 0.00	31.55 0.65 0.00	30.76 0.63 0.00	33.38 0.57 0.00	33.84 0.69 0.00	33.89 0.79 0.00	35.95 0.99 0.00	36.24 0.78 0.00	44.06 1.08 0.00	58.77 1.55 0.00	87.30 2.73 0.00	73.15 2.51 0.00	55.51 1.81 0.00	46.50 1.39 0.00	44.94 1.27 0.00
BOWLINE___2 23595	45.71 1.15 0.00	41.93 0.88 0.00	37.78 0.67 0.00	37.55 0.68 0.00	40.76 0.78 0.00	38.88 0.90 0.00	47.32 1.22 0.00	58.78 1.57 0.00	42.84 1.10 0.00	35.37 0.83 0.00	31.55 0.65 0.00	30.76 0.63 0.00	33.38 0.57 0.00	33.84 0.69 0.00	33.89 0.79 0.00	35.95 0.99 0.00	36.24 0.78 0.00	44.06 1.08 0.00	58.78 1.55 0.00	87.30 2.73 0.00	73.15 2.51 0.00	55.51 1.81 0.00	46.50 1.39 0.00	44.94 1.27 0.00
BRADY___115KV_TB2 356060	49.98 0.74 -4.68	46.36 0.85 -4.45	42.11 0.84 -4.16	39.75 0.83 -2.05	42.01 0.93 -1.11	38.79 0.81 0.00	47.02 0.92 0.00	58.30 1.09 0.00	42.57 0.83 0.00	35.01 0.47 0.00	31.28 0.39 0.00	30.51 0.38 0.00	33.28 0.47 0.00	33.59 0.43 0.00	33.46 0.36 0.00	35.23 0.27 0.00	35.84 0.38 0.00	43.61 0.62 0.00	58.38 1.16 0.00	86.69 2.11 0.00	72.49 1.86 0.00	55.29 1.58 0.00	46.43 1.31 0.00	44.98 1.30 0.00
BRANSCOMB___SOLAR 323811	45.92 1.36 0.00	42.12 1.07 0.00	38.05 0.93 0.00	37.80 0.93 0.00	40.96 0.99 0.00	39.02 1.04 0.00	47.56 1.46 0.00	59.06 1.85 0.00	42.67 0.93 0.00	35.02 0.48 0.00	31.11 0.21 0.00	30.34 0.21 0.00	33.01 0.20 0.00	33.41 0.25 0.00	33.32 0.21 0.00	35.27 0.32 0.00	36.01 0.55 0.00	44.13 1.15 0.00	59.44 2.22 0.00	88.04 3.47 0.00	73.71 3.08 0.00	56.04 2.34 0.00	47.05 1.93 0.00	45.47 1.79 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	46.65 2.09 0.00	42.30 1.25 0.00	38.07 0.96 0.00	37.81 0.95 0.00	41.17 1.20 0.00	39.38 1.40 0.00	48.22 2.12 0.00	59.29 2.08 0.00	43.17 1.43 0.00	35.67 1.13 0.00	31.78 0.89 0.00	30.81 0.67 0.00	33.46 0.65 0.00	33.89 0.73 0.00	34.13 1.03 0.00	36.83 1.87 0.00	36.89 1.43 0.00	45.02 2.02 -0.01	60.22 3.00 0.00	89.11 4.53 0.00	74.55 3.92 0.00	57.41 3.46 -0.25	48.93 2.94 -0.87	46.33 2.65 0.00



BRISTLHL_115KV_TB1 79998	43.75 -0.81 0.00	40.35 -0.71 0.00	36.48 -0.63 0.00	36.25 -0.62 0.00	39.32 -0.66 0.00	37.29 -0.69 0.00	45.19 -0.91 0.00	56.09 -1.12 0.00	40.87 -0.87 0.00	33.82 -0.72 0.00	30.29 -0.60 0.00	29.49 -0.64 0.00	32.09 -0.72 0.00	32.38 -0.77 0.00	32.35 -0.75 0.00	34.21 -0.75 0.00	34.73 -0.73 0.00	42.06 -0.92 0.00	55.90 -1.32 0.00	82.72 -1.85 0.00	68.98 -1.66 0.00	52.23 -1.47 0.00	43.81 -1.31 0.00	42.41 -1.26 0.00
BROOKHAVEN___DRP 24191	45.87 1.32 0.00	41.43 0.37 0.00	37.28 0.17 0.00	37.03 0.16 0.00	40.32 0.34 0.00	38.62 0.64 0.00	47.47 1.37 0.00	58.13 0.92 0.00	42.33 0.58 0.00	12.86 0.43 22.10	6.40 0.24 24.74	7.81 0.05 22.36	32.82 0.00 0.00	33.28 0.12 0.00	33.60 0.49 0.00	36.40 1.44 0.00	36.32 0.85 0.00	44.20 1.20 -0.01	59.26 2.03 0.00	88.06 3.49 0.00	73.67 3.04 0.00	56.56 2.65 -0.21	48.13 2.29 -0.73	45.72 2.05 0.00
BROOKLYN_NAVY_YARD 23515	46.27 1.72 0.00	42.40 1.34 0.00	38.16 1.05 0.00	37.92 1.05 0.00	41.13 1.16 0.00	39.23 1.25 0.00	47.77 1.67 0.00	59.35 2.14 0.00	43.33 1.59 0.00	35.82 1.28 0.00	32.04 1.15 0.00	31.23 1.10 0.00	33.88 1.07 0.00	34.32 1.17 0.00	34.35 1.24 0.00	36.42 1.47 0.00	36.78 1.32 0.00	44.65 1.67 0.00	59.51 2.29 0.00	88.35 3.78 0.00	74.07 3.44 0.00	56.27 2.57 0.00	47.16 2.04 0.00	45.52 1.84 0.00
BROOKLYN___ARMY_DRP 323595	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
BROOKVLE_69_KV_TB1 55790	46.62 2.06 0.00	42.50 1.44 0.00	38.24 1.13 0.00	37.99 1.12 0.00	41.32 1.34 0.00	39.54 1.56 0.00	48.25 2.15 0.00	59.63 2.43 0.00	43.48 1.73 0.00	35.92 1.38 0.00	32.07 1.17 0.00	31.16 1.03 0.00	33.81 1.00 0.00	34.28 1.13 0.00	34.44 1.33 0.00	36.93 1.98 0.00	37.10 1.64 0.00	45.24 2.20 -0.05	60.38 3.15 0.00	89.50 4.92 0.00	74.96 4.32 0.00	58.20 3.46 -1.04	51.55 2.86 -3.57	46.30 2.62 0.00
BROOME_2_LFGE 323671	44.33 -0.23 0.00	40.94 -0.12 0.00	36.92 -0.19 0.00	36.68 -0.19 0.00	39.83 -0.15 0.00	37.72 -0.25 0.00	45.67 -0.43 0.00	56.77 -0.44 0.00	41.47 -0.28 0.00	34.32 -0.21 0.00	30.77 -0.13 0.00	30.00 -0.13 0.00	32.70 -0.11 0.00	32.98 -0.18 0.00	32.94 -0.17 0.00	34.86 -0.10 0.00	35.30 -0.16 0.00	42.87 -0.11 0.00	56.62 -0.60 0.00	83.82 -0.75 0.00	69.78 -0.85 0.00	52.79 -0.89 0.02	44.30 -0.82 0.00	42.95 0.00 0.00
BROOME___LFGE 323600	44.33 -0.23 0.00	40.94 -0.12 0.00	36.92 -0.19 0.00	36.68 -0.19 0.00	39.83 -0.15 0.00	37.72 -0.25 0.00	45.67 -0.43 0.00	56.77 -0.44 0.00	41.47 -0.28 0.00	34.32 -0.21 0.00	30.77 -0.13 0.00	30.00 -0.13 0.00	32.70 -0.11 0.00	32.98 -0.18 0.00	32.94 -0.17 0.00	34.86 -0.10 0.00	35.30 -0.16 0.00	42.87 -0.11 0.00	56.62 -0.60 0.00	83.82 -0.75 0.00	69.78 -0.85 0.00	52.79 -0.89 0.02	44.30 -0.82 0.00	42.95 -0.73 0.00
BROWNFLS_115KV_TB 3_5 80003	50.26 -0.88 -6.59	46.63 -0.69 -6.26	42.57 -0.39 -5.85	39.52 -0.23 -2.89	41.49 -0.05 -1.56	37.86 -0.12 0.00	45.98 -0.12 0.00	57.27 0.06 0.00	41.67 -0.08 0.00	34.07 -0.46 0.00	30.35 -0.55 0.00	29.56 -0.57 0.00	32.19 -0.62 0.00	32.48 -0.68 0.00	32.38 -0.73 0.00	34.14 -0.81 0.00	34.77 -0.69 0.00	42.62 -0.36 0.00	57.56 0.34 0.00	85.53 0.95 0.00	71.47 0.84 0.00	54.33 0.62 0.00	45.42 0.31 0.00	43.72 0.05 0.00
BROWNSV1_27_KV_LOAD 356125	46.68 2.13 0.00	42.75 1.70 0.00	38.49 1.38 0.00	38.24 1.37 0.00	41.48 1.50 0.00	39.57 1.59 0.00	48.21 2.11 0.00	59.87 2.67 0.00	43.72 1.97 0.00	36.15 1.62 0.00	32.33 1.44 0.00	31.52 1.39 0.00	34.18 1.37 0.00	34.64 1.48 0.00	34.67 1.56 0.00	36.80 1.84 0.00	37.14 1.68 0.00	45.11 2.13 0.00	60.13 2.90 0.00	89.28 4.70 0.00	74.81 4.18 0.00	56.82 3.12 0.00	47.61 2.50 0.00	45.94 2.26 0.00
BURROWS___LYONSDAL 23803	46.38 -0.03 -1.84	42.81 0.00 -1.75	38.94 0.19 -1.64	38.06 0.38 -0.81	41.05 0.63 -0.44	38.57 0.59 0.00	46.86 0.76 0.00	58.30 1.10 0.00	42.32 0.57 0.00	34.70 0.17 0.00	30.91 0.02 0.00	30.10 -0.03 0.00	32.74 -0.06 0.00	33.06 -0.10 0.00	33.00 -0.11 0.00	34.89 -0.07 0.00	35.51 0.05 0.00	43.54 0.56 0.00	58.70 1.48 0.00	87.21 2.63 0.00	72.81 2.17 0.00	55.11 1.41 0.00	46.03 0.92 0.00	44.23 0.55 0.00
CAITHNESS_CC_1 323624	45.93 1.38 0.00	41.53 0.47 0.00	37.36 0.25 0.00	37.12 0.25 0.00	40.41 0.43 0.00	38.70 0.72 0.00	47.52 1.42 0.00	58.23 1.02 0.00	42.42 0.67 0.00	12.95 0.51 22.10	6.48 0.32 24.74	7.89 0.13 22.37	32.90 0.09 0.00	33.35 0.19 0.00	33.65 0.55 0.00	36.41 1.46 0.00	36.35 0.89 0.00	44.27 1.28 -0.01	59.31 2.08 0.00	88.09 3.51 0.00	73.71 3.08 0.00	56.59 2.68 -0.21	48.16 2.32 -0.72	45.74 2.06 0.00
CALPINE BETH_PAGE_GT4 24209	46.31 1.76 0.00	42.15 1.10 0.00	37.93 0.82 0.00	37.68 0.81 0.00	40.98 1.00 0.00	39.20 1.22 0.00	47.88 1.78 0.00	59.11 1.91 0.00	43.12 1.37 0.00	35.63 1.10 0.00	31.79 0.89 0.00	30.87 0.74 0.00	33.50 0.69 0.00	33.96 0.81 0.00	34.15 1.04 0.00	36.69 1.73 0.00	36.82 1.36 0.00	44.83 1.81 -0.04	59.74 2.52 0.00	88.55 3.98 0.00	74.15 3.52 0.00	57.42 2.92 -0.80	50.30 2.44 -2.75	46.00 2.33 0.00
CALPINE_BETH_PAGE_GT_4 323586	46.31 1.76 0.00	42.16 1.10 0.00	37.93 0.82 0.00	37.68 0.81 0.00	40.98 1.00 0.00	39.19 1.22 0.00	47.88 1.78 0.00	59.11 1.91 0.00	43.11 1.37 0.00	35.63 1.09 0.00	31.79 0.90 0.00	30.87 0.74 0.00	33.50 0.69 0.00	33.96 0.81 0.00	34.15 1.04 0.00	36.69 1.73 0.00	36.82 1.36 0.00	44.83 1.81 -0.04	59.74 2.52 0.00	88.55 3.98 0.00	74.15 3.52 0.00	57.41 2.91 -0.80	50.30 2.44 -2.75	46.00 2.32 0.00
CALPINE_BP_GT1 23823	46.31 1.76 0.00	42.16 1.10 0.00	37.93 0.82 0.00	37.68 0.81 0.00	40.98 1.00 0.00	39.19 1.22 0.00	47.88 1.78 0.00	59.11 1.91 0.00	43.11 1.37 0.00	35.63 1.09 0.00	31.79 0.90 0.00	30.87 0.74 0.00	33.50 0.69 0.00	33.96 0.81 0.00	34.15 1.04 0.00	36.69 1.73 0.00	36.82 1.36 0.00	44.83 1.81 -0.04	59.74 2.52 0.00	88.55 3.98 0.00	74.15 3.52 0.00	57.41 2.91 -0.80	50.30 2.44 -2.75	46.00 2.32 0.00
CALSPAN___DRP 24200	43.43 -1.13 0.00	40.57 -0.48 0.00	36.72 -0.39 0.00	36.33 -0.54 0.00	39.40 -0.57 0.00	36.63 -1.35 0.00	43.88 -2.22 0.00	54.28 -2.92 0.00	39.85 -1.89 0.00	33.36 -1.17 0.00	30.39 -0.51 0.00	29.45 -0.69 0.00	32.02 -0.79 0.00	32.01 -1.15 0.00	32.03 -1.08 0.00	33.97 -0.99 0.00	34.60 -0.86 0.00	41.44 -1.55 0.00	53.44 -3.79 0.00	78.53 -6.04 0.00	65.31 -5.32 0.00	49.38 -4.28 0.04	41.04 -3.40 0.67	40.86 -2.80 0.02



CALVERTON___SOLAR 323806	45.81 1.25 0.00	41.35 0.29 0.00	37.21 0.10 0.00	36.95 0.08 0.00	40.24 0.26 0.00	38.56 0.58 0.00	47.44 1.34 0.00	58.04 0.83 0.00	42.24 0.50 0.00	14.34 0.35 20.54	8.05 0.15 22.99	9.31 -0.03 20.79	32.75 -0.06 0.00	33.22 0.06 0.00	33.56 0.45 0.00	36.39 1.43 0.00	36.27 0.81 0.00	44.14 1.15 -0.01	59.23 2.00 0.00	88.09 3.52 0.00	73.74 3.11 0.00	56.60 2.69 -0.21	48.16 2.32 -0.73	45.76 2.08 0.00
CANDIGU_WT_PWR 323617	42.47 -2.09 0.00	39.70 -1.35 0.00	35.74 -1.37 0.00	35.42 -1.45 0.00	38.74 -1.24 0.00	36.44 -1.54 0.00	44.13 -1.97 0.00	55.10 -2.11 0.00	40.42 -1.32 0.00	33.49 -1.05 0.00	30.11 -0.79 0.00	29.11 -1.02 0.00	31.68 -1.13 0.00	31.85 -1.30 0.00	31.86 -1.25 0.00	33.90 -1.05 0.00	34.52 -0.94 0.00	41.90 -1.09 0.00	54.70 -2.52 0.00	80.34 -4.24 0.00	66.43 -4.21 0.00	49.68 -3.90 0.11	32.88 -3.48 8.76	40.37 -3.07 0.23
CARR STREET_E_SYR 24060	44.11 -0.45 0.00	40.69 -0.36 0.00	36.79 -0.31 0.00	36.54 -0.33 0.00	39.62 -0.36 0.00	37.57 -0.40 0.00	45.54 -0.56 0.00	56.50 -0.70 0.00	41.20 -0.55 0.00	34.11 -0.43 0.00	30.58 -0.32 0.00	29.80 -0.33 0.00	32.43 -0.38 0.00	32.73 -0.43 0.00	32.69 -0.42 0.00	34.56 -0.40 0.00	35.06 -0.41 0.00	42.42 -0.57 0.00	56.29 -0.93 0.00	83.29 -1.29 0.00	69.41 -1.22 0.00	52.57 -1.13 0.00	44.12 -0.99 0.00	42.74 -0.94 0.00
CARTHAGE___PAPER 23857	47.44 -0.10 -2.99	43.92 0.02 -2.84	40.15 0.39 -2.66	38.85 0.67 -1.31	41.72 1.04 -0.71	38.86 0.88 0.00	47.23 1.13 0.00	58.79 1.58 0.00	42.48 0.74 0.00	34.49 -0.05 0.00	30.58 -0.32 0.00	29.71 -0.41 0.00	32.32 -0.48 0.00	32.61 -0.55 0.00	32.55 -0.56 0.00	34.42 -0.53 0.00	35.08 -0.39 0.00	43.38 0.39 0.00	59.26 2.04 0.00	88.44 3.87 0.00	73.89 3.25 0.00	55.81 2.11 0.00	46.49 1.38 0.00	44.58 0.90 0.00
CASSADAGA_WT_PWR 323784	45.01 0.45 0.00	41.80 0.75 0.00	37.61 0.49 0.00	37.29 0.42 0.00	40.53 0.55 0.00	37.87 -0.11 0.00	45.64 -0.46 0.00	56.82 -0.38 0.00	41.73 -0.01 0.00	34.76 0.22 0.00	31.48 0.58 0.00	30.58 0.45 0.00	33.26 0.45 0.00	33.37 0.22 0.00	33.32 0.22 0.00	35.34 0.38 0.00	35.66 0.20 0.00	42.80 -0.18 0.00	55.04 -2.18 0.00	80.17 -4.41 0.00	66.62 -4.01 0.00	50.19 -3.47 0.05	40.86 -3.94 0.32	40.02 -3.65 0.01
CE_DUNWOOD___DRP 24194	46.08 1.52 0.00	42.22 1.17 0.00	38.03 0.92 0.00	37.79 0.92 0.00	41.00 1.02 0.00	39.13 1.15 0.00	47.67 1.56 0.00	59.16 1.95 0.00	43.14 1.40 0.00	35.65 1.12 0.00	31.84 0.94 0.00	31.03 0.90 0.00	33.67 0.86 0.00	34.13 0.98 0.00	34.16 1.05 0.00	36.25 1.29 0.00	36.58 1.12 0.00	44.43 1.45 0.00	59.29 2.07 0.00	88.01 3.43 0.00	73.73 3.10 0.00	56.04 2.34 0.00	46.97 1.86 0.00	45.35 1.67 0.00
CE_MILLWOOD___DRP 24193	45.93 1.37 0.00	42.10 1.04 0.00	37.93 0.82 0.00	37.69 0.82 0.00	40.89 0.92 0.00	39.02 1.04 0.00	47.52 1.42 0.00	59.00 1.79 0.00	43.02 1.27 0.00	35.53 0.99 0.00	31.71 0.82 0.00	30.91 0.78 0.00	33.55 0.75 0.00	34.00 0.85 0.00	34.04 0.93 0.00	36.12 1.16 0.00	36.44 0.98 0.00	44.28 1.29 0.00	59.09 1.87 0.00	87.71 3.14 0.00	73.48 2.85 0.00	55.82 2.12 0.00	46.78 1.66 0.00	45.19 1.51 0.00
CE_NYC2_DRP 24202	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.30 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.51 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.26 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.54 1.42 -0.01	36.63 1.67 0.00	36.96 1.50 0.00	44.88 1.89 0.00	59.80 2.57 0.00	88.74 4.16 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.28 0.00	45.74 2.06 0.00
CE_NYC_DRP 24195	46.31 1.75 0.00	42.42 1.37 0.00	38.19 1.08 0.00	37.95 1.08 0.00	41.16 1.18 0.00	39.28 1.30 0.00	47.85 1.75 0.00	59.41 2.20 0.00	43.37 1.62 0.00	35.86 1.33 0.00	32.06 1.16 0.00	31.25 1.12 0.00	33.90 1.09 0.00	34.36 1.21 0.00	34.39 1.29 0.00	36.50 1.54 0.00	36.82 1.36 0.00	44.72 1.74 0.00	59.61 2.38 0.00	88.46 3.88 0.00	74.14 3.51 0.00	56.33 2.63 0.00	47.21 2.09 0.00	45.57 1.89 0.00
CHAFFEE___LFGE 323603	44.21 -0.35 0.00	41.29 0.23 0.00	37.23 0.12 0.00	36.93 0.06 0.00	40.19 0.21 0.00	37.36 -0.62 0.00	44.64 -1.47 0.00	55.53 -1.67 0.00	40.74 -1.01 0.00	33.94 -0.60 0.00	30.75 -0.15 0.00	30.05 -0.08 0.00	32.90 0.09 0.00	32.97 -0.19 0.00	32.94 -0.16 0.00	35.02 0.06 0.00	35.35 -0.11 0.00	42.59 -0.40 0.00	54.82 -2.41 0.00	80.97 -3.60 0.00	67.26 -3.37 0.00	50.46 -3.19 0.05	42.54 -2.58 0.00	41.59 -2.09 0.00
CHATEAUG_35_KV_LOAD 355732	-23.67 -0.96 67.27	-23.58 -0.75 63.89	-23.18 -0.59 59.70	6.81 -0.61 29.45	23.41 -0.67 15.90	37.45 -0.53 0.00	45.70 -0.40 0.00	57.19 -0.01 0.00	41.84 0.10 0.00	34.51 -0.02 0.00	30.95 0.06 0.00	30.29 0.16 0.00	33.01 0.20 0.00	33.45 0.29 0.00	33.26 0.16 0.00	35.21 0.25 0.00	35.92 0.46 0.00	43.76 0.77 0.00	58.73 1.51 0.00	86.43 1.85 0.00	72.32 1.69 0.00	55.31 1.61 0.00	46.48 1.36 0.00	44.93 1.26 0.00
CHATEAUG_WT_PWR 323614	-19.31 -1.13 62.74	-19.44 -0.92 59.58	-19.34 -0.78 55.68	8.64 -0.77 27.46	24.37 -0.78 14.83	37.31 -0.67 0.00	45.54 -0.56 0.00	56.98 -0.22 0.00	41.69 -0.06 0.00	34.39 -0.14 0.00	30.85 -0.04 0.00	30.20 0.07 0.00	32.91 0.10 0.00	33.37 0.22 0.00	33.22 0.11 0.00	35.18 0.22 0.00	35.90 0.44 0.00	43.76 0.77 0.00	58.61 1.38 0.00	86.09 1.51 0.00	72.04 1.40 0.00	55.13 1.43 0.00	46.33 1.21 0.00	44.77 1.09 0.00
CHAT_HIGH_FALL_HYD 323578	-23.67 -0.96 67.27	-23.58 -0.75 63.89	-23.18 -0.59 59.70	6.81 -0.61 29.45	23.41 -0.67 15.90	37.45 -0.53 0.00	45.70 -0.40 0.00	57.19 -0.01 0.00	41.84 0.10 0.00	34.51 -0.02 0.00	30.95 0.06 0.00	30.29 0.16 0.00	33.01 0.20 0.00	33.45 0.29 0.00	33.26 0.16 0.00	35.21 0.25 0.00	35.92 0.46 0.00	43.76 0.77 0.00	58.73 1.51 0.00	86.43 1.85 0.00	72.32 1.69 0.00	55.31 1.61 0.00	46.48 1.36 0.00	44.93 1.26 0.00
CHAUTAUQUA___LFGE 323629	44.37 -0.19 0.00	41.20 0.14 0.00	37.11 0.00 0.00	36.81 -0.06 0.00	39.99 0.01 0.00	37.39 -0.59 0.00	44.99 -1.11 0.00	55.94 -1.27 0.00	41.07 -0.68 0.00	34.19 -0.34 0.00	30.97 0.07 0.00	30.10 -0.03 0.00	32.74 -0.07 0.00	32.85 -0.31 0.00	32.81 -0.30 0.00	34.81 -0.15 0.00	35.18 -0.28 0.00	42.28 -0.70 0.00	54.50 -2.73 0.00	79.80 -4.78 0.00	66.25 -4.39 0.00	50.00 -3.66 0.05	40.94 -3.70 0.48	40.45 -3.21 0.01
CHERRYST_13_KV_LD 356241	46.43 1.87 0.00	42.52 1.47 0.00	38.29 1.19 0.00	38.05 1.18 0.00	41.27 1.29 0.00	39.38 1.40 0.00	47.97 1.86 0.00	59.56 2.36 0.00	43.49 1.74 0.00	35.96 1.43 0.00	32.15 1.26 0.00	31.34 1.21 0.00	33.99 1.19 0.00	34.45 1.30 0.00	34.49 1.38 0.00	36.60 1.64 0.00	36.93 1.47 0.00	44.85 1.87 0.00	59.77 2.55 0.00	88.71 4.13 0.00	74.34 3.71 0.00	56.48 2.78 0.00	47.33 2.21 0.00	45.67 2.00 0.00



CHESTROR_138KV_BK263 355645	45.58 1.02 0.00	41.85 0.79 0.00	37.72 0.61 0.00	37.49 0.62 0.00	40.69 0.70 0.00	38.80 0.82 0.00	47.20 1.10 0.00	58.60 1.39 0.00	42.71 0.97 0.00	35.24 0.70 0.00	31.42 0.52 0.00	30.64 0.50 0.00	33.27 0.46 0.00	33.70 0.55 0.00	33.72 0.62 0.00	35.74 0.79 0.00	36.11 0.65 0.00	43.90 0.91 0.00	58.58 1.35 0.00	86.98 2.41 0.00	72.84 2.21 0.00	55.30 1.60 0.00	46.36 1.24 0.00	44.81 1.13 0.00
CH_MIDHUDSON___DRP 24192	46.08 1.52 0.00	42.24 1.18 0.00	38.07 0.96 0.00	37.82 0.96 0.00	41.03 1.06 0.00	39.15 1.17 0.00	47.69 1.59 0.00	59.23 2.03 0.00	43.14 1.40 0.00	35.61 1.07 0.00	31.77 0.87 0.00	30.96 0.83 0.00	33.62 0.81 0.00	34.06 0.90 0.00	34.06 0.95 0.00	36.10 1.14 0.00	36.52 1.06 0.00	44.36 1.38 0.00	59.28 2.06 0.00	87.98 3.41 0.00	73.67 3.04 0.00	56.00 2.30 0.00	46.94 1.83 0.00	45.33 1.65 0.00
CH_MISC_IPPS 23765	46.28 1.72 0.00	42.43 1.38 0.00	38.24 1.13 0.00	38.00 1.12 0.00	41.23 1.26 0.00	39.34 1.36 0.00	47.91 1.81 0.00	59.52 2.31 0.00	43.35 1.60 0.00	35.75 1.22 0.00	31.89 0.99 0.00	31.08 0.94 0.00	33.73 0.92 0.00	34.17 1.01 0.00	34.18 1.08 0.00	36.25 1.29 0.00	36.68 1.21 0.00	44.60 1.61 0.00	59.58 2.36 0.00	88.47 3.89 0.00	74.08 3.45 0.00	56.27 2.57 0.00	47.13 2.01 0.00	45.50 1.83 0.00
CH_RES_BVR_FALLS 23983	44.11 -0.45 0.00	40.70 -0.36 0.00	36.88 -0.23 0.00	36.73 -0.14 0.00	39.92 -0.06 0.00	37.90 -0.08 0.00	46.00 -0.11 0.00	57.06 -0.14 0.00	41.78 0.04 0.00	34.61 0.07 0.00	30.97 0.08 0.00	30.22 0.09 0.00	32.92 0.11 0.00	33.26 0.10 0.00	33.18 0.08 0.00	35.01 0.05 0.00	35.56 0.09 0.00	43.12 0.14 0.00	57.41 0.18 0.00	84.75 0.17 0.00	70.75 0.11 0.00	53.83 0.13 0.00	45.21 0.10 0.00	43.70 0.02 0.00
CH_RES_NIAGARA 23895	41.86 -2.70 0.00	39.15 -1.91 0.00	35.52 -1.60 0.00	35.09 -1.78 0.00	38.05 -1.93 0.00	35.29 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.44 -1.69 0.00	30.89 -1.92 0.00	30.86 -2.30 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.25 0.00	51.07 -6.15 0.00	75.06 -9.52 0.00	62.49 -8.14 0.00	47.40 -6.27 0.04	39.32 -4.93 0.86	39.44 -4.21 0.02
CH_RES_SYRACUSE 23985	44.37 -0.19 0.00	40.94 -0.12 0.00	37.01 -0.10 0.00	36.77 -0.10 0.00	39.85 -0.13 0.00	37.81 -0.17 0.00	45.83 -0.27 0.00	56.88 -0.32 0.00	41.47 -0.28 0.00	34.28 -0.25 0.00	30.71 -0.18 0.00	29.92 -0.21 0.00	32.57 -0.24 0.00	32.86 -0.29 0.00	32.85 -0.26 0.00	34.72 -0.23 0.00	35.25 -0.21 0.00	42.69 -0.30 0.00	56.69 -0.53 0.00	83.85 -0.73 0.00	69.86 -0.77 0.00	52.90 -0.80 0.00	44.41 -0.71 0.00	43.00 -0.67 0.00
CLINTON_WT_PWR 323605	-19.31 -1.13 62.74	-19.44 -0.92 59.58	-19.34 -0.78 55.68	8.64 -0.77 27.46	24.37 -0.78 14.83	37.31 -0.67 0.00	45.54 -0.56 0.00	56.98 -0.22 0.00	41.69 -0.06 0.00	34.39 -0.14 0.00	30.85 -0.04 0.00	30.20 0.07 0.00	32.91 0.10 0.00	33.37 0.22 0.00	33.22 0.11 0.00	35.18 0.22 0.00	35.90 0.44 0.00	43.76 0.77 0.00	58.61 1.38 0.00	86.09 1.51 0.00	72.04 1.40 0.00	55.13 1.43 0.00	46.33 1.21 0.00	44.77 1.09 0.00
CLINTON___LFGE 323618	-20.77 -1.07 64.27	-20.77 -0.79 61.03	-20.67 -0.75 57.03	7.89 -0.84 28.13	23.95 -0.84 15.19	37.33 -0.64 0.00	45.71 -0.39 0.00	57.41 0.20 0.00	41.84 0.10 0.00	34.34 -0.20 0.00	30.83 -0.06 0.00	30.21 0.08 0.00	32.95 0.14 0.00	33.51 0.36 0.00	33.39 0.29 0.00	35.45 0.50 0.00	36.26 0.80 0.00	44.36 1.38 0.00	59.65 2.43 0.00	87.38 2.80 0.00	73.25 2.61 0.00	56.22 2.51 0.00	47.19 2.07 0.00	45.51 1.83 0.00
COBBLENY_34_KV_TB1 80064	44.19 -0.37 0.00	41.30 0.24 0.00	37.23 0.12 0.00	36.93 0.06 0.00	40.19 0.21 0.00	37.36 -0.62 0.00	44.63 -1.47 0.00	55.53 -1.67 0.00	40.74 -1.01 0.00	33.94 -0.60 0.00	30.75 -0.15 0.00	30.05 -0.08 0.00	32.90 0.09 0.00	32.97 -0.19 0.00	32.94 -0.16 0.00	35.02 0.06 0.00	35.35 -0.10 0.00	42.58 -0.40 0.00	54.81 -2.41 0.00	80.97 -3.60 0.00	67.26 -3.37 0.00	50.45 -3.20 0.05	42.53 -2.59 0.00	41.59 -2.08 0.00
COFFEEN___115KV_TB3 355620	47.18 0.14 -2.49	43.67 0.25 -2.37	39.92 0.60 -2.21	38.84 0.88 -1.09	41.84 1.27 -0.59	39.06 1.08 0.00	47.47 1.37 0.00	59.08 1.87 0.00	42.56 0.81 0.00	34.38 -0.15 0.00	30.44 -0.45 0.00	29.55 -0.58 0.00	32.12 -0.69 0.00	32.38 -0.78 0.00	32.34 -0.76 0.00	34.21 -0.74 0.00	34.84 -0.62 0.00	43.16 0.18 0.00	59.34 2.12 0.00	88.86 4.28 0.00	74.24 3.61 0.00	55.97 2.27 0.00	46.58 1.46 0.00	44.65 0.97 0.00
COLDSPRG_115KV_BK1 355956	45.34 0.78 0.00	42.22 1.17 0.00	38.03 0.92 0.00	37.72 0.85 0.00	41.01 1.03 0.00	38.24 0.26 0.00	45.93 -0.17 0.00	57.18 -0.03 0.00	41.99 0.25 0.00	34.99 0.45 0.00	31.69 0.80 0.00	30.83 0.70 0.00	33.60 0.79 0.00	33.69 0.53 0.00	33.65 0.55 0.00	35.73 0.78 0.00	36.11 0.65 0.00	43.43 0.44 0.00	56.01 -1.21 0.00	82.17 -2.41 0.00	68.22 -2.42 0.00	51.28 -2.37 0.05	42.72 -2.40 0.00	41.65 -2.03 0.00
COLONIE_LFGE___ 323577	45.46 0.90 0.00	41.69 0.63 0.00	37.67 0.56 0.00	37.43 0.56 0.00	40.54 0.56 0.00	38.62 0.64 0.00	47.08 0.98 0.00	58.46 1.25 0.00	42.38 0.63 0.00	34.95 0.41 0.00	31.09 0.19 0.00	30.33 0.20 0.00	32.98 0.17 0.00	33.40 0.24 0.00	33.31 0.20 0.00	35.23 0.28 0.00	35.86 0.39 0.00	43.57 0.58 0.00	58.47 1.24 0.00	86.47 1.89 0.00	72.42 1.79 0.00	55.16 1.46 0.00	46.38 1.27 0.00	44.87 1.20 0.00
COOPERNY_115KV_TB1 80082	45.26 0.70 0.00	41.61 0.56 0.00	37.52 0.41 0.00	37.30 0.42 0.00	40.48 0.49 0.00	38.55 0.57 0.00	46.85 0.75 0.00	58.17 0.96 0.00	42.40 0.66 0.00	35.02 0.48 0.00	31.26 0.36 0.00	30.48 0.34 0.00	33.13 0.32 0.00	33.54 0.39 0.00	33.55 0.44 0.00	35.49 0.54 0.00	35.90 0.44 0.00	43.62 0.64 0.00	58.12 0.90 0.00	86.17 1.59 0.00	72.08 1.45 0.00	54.75 1.05 0.00	45.92 0.81 0.00	44.42 0.74 0.00
COPENHAGEN_WT_PWR 323753	46.22 -0.69 -2.35	42.83 -0.46 -2.24	39.24 0.04 -2.09	38.27 0.36 -1.03	41.29 0.75 -0.56	38.54 0.57 0.00	46.85 0.74 0.00	58.32 1.12 0.00	42.14 0.40 0.00	34.24 -0.29 0.00	30.39 -0.51 0.00	29.53 -0.61 0.00	32.11 -0.70 0.00	32.38 -0.78 0.00	32.34 -0.77 0.00	34.20 -0.76 0.00	34.81 -0.65 0.00	42.99 0.00 0.00	58.74 1.51 0.00	87.75 3.17 0.00	73.29 2.65 0.00	55.26 1.56 0.00	45.99 0.87 0.00	44.08 0.41 0.00
CORNELL_____ 23752	45.04 0.48 0.00	41.59 0.54 0.00	37.55 0.44 0.00	37.32 0.45 0.00	40.49 0.51 0.00	38.43 0.45 0.00	46.63 0.52 0.00	57.99 0.78 0.00	42.26 0.52 0.00	34.76 0.22 0.00	30.96 0.06 0.00	30.07 -0.06 0.00	32.74 -0.07 0.00	33.01 -0.15 0.00	32.99 -0.12 0.00	34.92 -0.04 0.00	35.57 0.11 0.00	43.43 0.44 0.00	57.84 0.62 0.00	85.79 1.21 0.00	71.46 0.82 0.00	54.18 0.29 -0.19	45.61 0.09 -0.40	43.72 0.04 -0.01



CORONA__V_69_KV_TB1 355595	46.64 2.09 0.00	42.52 1.46 0.00	38.26 1.14 0.00	38.00 1.13 0.00	41.34 1.36 0.00	39.55 1.57 0.00	48.25 2.15 0.00	59.62 2.41 0.00	43.47 1.72 0.00	35.93 1.39 0.00	32.09 1.19 0.00	31.19 1.06 0.00	33.84 1.03 0.00	34.29 1.14 0.00	34.43 1.33 0.00	36.89 1.93 0.00	37.08 1.62 0.00	45.29 2.15 -0.16	60.32 3.10 0.00	89.44 4.87 0.00	74.84 4.20 0.00	60.50 3.36 -3.44	59.71 2.73 -11.86	46.22 2.53 -0.01
CORTLAND_115KV_TB3 80093	44.76 0.20 0.00	41.27 0.22 0.00	37.27 0.16 0.00	37.04 0.17 0.00	40.19 0.21 0.00	38.15 0.17 0.00	46.27 0.16 0.00	57.49 0.28 0.00	41.88 0.14 0.00	34.54 0.00 0.00	30.86 -0.04 0.00	30.04 -0.09 0.00	32.71 -0.10 0.00	33.01 -0.15 0.00	32.97 -0.13 0.00	34.88 -0.07 0.00	35.42 -0.04 0.00	43.11 0.13 0.00	57.34 0.11 0.00	84.98 0.40 0.00	70.82 0.19 0.00	53.64 -0.11 -0.05	44.90 -0.22 0.00	43.47 -0.21 0.00
COXSACKIE__GT 23611	46.89 2.33 0.00	43.06 2.00 0.00	38.90 1.79 0.00	38.65 1.78 0.00	41.92 1.94 0.00	39.94 1.97 0.00	48.69 2.59 0.00	60.57 3.36 0.00	43.79 2.05 0.00	35.66 1.12 0.00	31.60 0.70 0.00	30.75 0.62 0.00	33.46 0.65 0.00	33.82 0.66 0.00	33.73 0.62 0.00	35.61 0.65 0.00	36.46 1.00 0.00	44.68 1.69 0.00	60.45 3.22 0.00	89.92 5.34 0.00	75.15 4.52 0.00	57.09 3.39 0.00	47.88 2.76 0.00	46.17 2.49 0.00
CPV_VALLEY__CC1 323721	45.26 0.70 0.00	41.58 0.52 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.43 0.45 0.00	38.53 0.56 0.00	46.86 0.75 0.00	58.18 0.97 0.00	42.42 0.67 0.00	35.03 0.49 0.00	31.26 0.36 0.00	30.48 0.35 0.00	33.11 0.30 0.00	33.54 0.38 0.00	33.55 0.45 0.00	35.55 0.59 0.00	35.91 0.44 0.00	43.62 0.64 0.00	58.18 0.95 0.00	86.32 1.74 0.00	72.27 1.64 0.00	54.88 1.18 0.00	46.02 0.90 0.00	44.49 0.81 0.00
CPV_VALLEY__CC2 323722	45.26 0.70 0.00	41.58 0.52 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.43 0.45 0.00	38.53 0.56 0.00	46.86 0.75 0.00	58.18 0.97 0.00	42.42 0.67 0.00	35.03 0.49 0.00	31.26 0.36 0.00	30.48 0.35 0.00	33.11 0.30 0.00	33.54 0.38 0.00	33.55 0.45 0.00	35.55 0.59 0.00	35.91 0.44 0.00	43.62 0.64 0.00	58.18 0.95 0.00	86.32 1.74 0.00	72.27 1.64 0.00	54.88 1.18 0.00	46.02 0.90 0.00	44.49 0.81 0.00
CRESCENT__HYD 24018	45.46 0.90 0.00	41.69 0.63 0.00	37.67 0.56 0.00	37.43 0.56 0.00	40.54 0.56 0.00	38.62 0.64 0.00	47.08 0.98 0.00	58.46 1.25 0.00	42.38 0.63 0.00	34.95 0.41 0.00	31.09 0.19 0.00	30.33 0.20 0.00	32.98 0.17 0.00	33.40 0.24 0.00	33.31 0.20 0.00	35.23 0.28 0.00	35.86 0.39 0.00	43.57 0.58 0.00	58.47 1.24 0.00	86.47 1.89 0.00	72.42 1.79 0.00	55.16 1.46 0.00	46.38 1.27 0.00	44.87 1.20 0.00
CRICKET__VALLEY_CC1 323756	45.69 1.13 0.00	41.83 0.77 0.00	37.70 0.59 0.00	37.44 0.57 0.00	40.60 0.62 0.00	38.76 0.78 0.00	47.25 1.15 0.00	58.73 1.52 0.00	42.72 0.97 0.00	35.25 0.71 0.00	31.48 0.58 0.00	30.67 0.53 0.00	33.27 0.46 0.00	33.74 0.58 0.00	33.73 0.62 0.00	35.71 0.76 0.00	36.12 0.66 0.00	43.77 0.78 0.00	58.63 1.41 0.00	87.00 2.42 0.00	72.91 2.28 0.00	55.48 1.78 0.00	46.52 1.40 0.00	44.94 1.26 0.00
CRICKET__VALLEY_CC2 323757	45.69 1.13 0.00	41.83 0.77 0.00	37.70 0.59 0.00	37.44 0.57 0.00	40.60 0.62 0.00	38.76 0.78 0.00	47.25 1.15 0.00	58.73 1.52 0.00	42.72 0.97 0.00	35.25 0.71 0.00	31.48 0.58 0.00	30.67 0.53 0.00	33.27 0.46 0.00	33.74 0.58 0.00	33.73 0.62 0.00	35.71 0.76 0.00	36.12 0.66 0.00	43.77 0.78 0.00	58.63 1.41 0.00	87.00 2.42 0.00	72.91 2.28 0.00	55.48 1.78 0.00	46.52 1.40 0.00	44.94 1.26 0.00
CRICKET__VALLEY_CC3 323758	45.69 1.13 0.00	41.83 0.77 0.00	37.70 0.59 0.00	37.44 0.57 0.00	40.60 0.62 0.00	38.76 0.78 0.00	47.25 1.15 0.00	58.73 1.52 0.00	42.72 0.97 0.00	35.25 0.71 0.00	31.48 0.58 0.00	30.67 0.53 0.00	33.27 0.46 0.00	33.74 0.58 0.00	33.73 0.62 0.00	35.71 0.76 0.00	36.12 0.66 0.00	43.77 0.78 0.00	58.63 1.41 0.00	87.00 2.42 0.00	72.91 2.28 0.00	55.48 1.78 0.00	46.52 1.40 0.00	44.94 1.26 0.00
CRUCIBLE_METL_DRP 24180	44.36 -0.20 0.00	40.93 -0.12 0.00	37.01 -0.10 0.00	36.77 -0.10 0.00	39.85 -0.13 0.00	37.81 -0.17 0.00	45.83 -0.27 0.00	56.89 -0.32 0.00	41.46 -0.28 0.00	34.28 -0.25 0.00	30.71 -0.18 0.00	29.92 -0.21 0.00	32.57 -0.24 0.00	32.87 -0.29 0.00	32.85 -0.26 0.00	34.72 -0.23 0.00	35.25 -0.21 0.00	42.69 -0.29 0.00	56.69 -0.53 0.00	83.85 -0.73 0.00	69.86 -0.77 0.00	52.90 -0.80 0.00	44.41 -0.71 0.00	43.00 -0.67 0.00
DAHOWA__HYDRO 323763	47.70 3.14 0.00	43.14 2.09 0.00	38.86 1.75 0.00	38.61 1.74 0.00	41.88 1.90 0.00	39.99 2.02 0.00	48.98 2.87 0.00	60.99 3.78 0.00	43.91 2.17 0.00	35.89 1.36 0.00	31.76 0.86 0.00	30.93 0.80 0.00	33.65 0.84 0.00	34.06 0.90 0.00	33.93 0.82 0.00	36.11 1.16 0.00	37.05 1.59 0.00	44.28 1.30 0.00	59.84 2.61 0.00	88.65 4.07 0.00	74.23 3.59 0.00	56.41 2.71 0.00	47.31 2.19 0.00	45.70 2.03 0.00
DANC__LFGE 323619	45.39 -0.78 -1.61	41.98 -0.61 -1.54	38.29 -0.26 -1.44	37.52 -0.05 -0.71	40.51 0.15 -0.38	38.01 0.03 0.00	46.16 0.06 0.00	57.38 0.17 0.00	41.58 -0.16 0.00	34.01 -0.53 0.00	30.28 -0.62 0.00	29.45 -0.68 0.00	32.02 -0.79 0.00	32.30 -0.86 0.00	32.28 -0.82 0.00	34.14 -0.82 0.00	34.69 -0.77 0.00	42.53 -0.45 0.00	57.57 0.34 0.00	85.71 1.13 0.00	71.55 0.92 0.00	54.03 0.33 0.00	45.08 -0.04 0.00	43.36 -0.32 0.00
DANSKAMMER__1 23586	46.28 1.72 0.00	42.43 1.38 0.00	38.24 1.13 0.00	38.00 1.12 0.00	41.23 1.26 0.00	39.34 1.36 0.00	47.91 1.81 0.00	59.52 2.31 0.00	43.35 1.60 0.00	35.75 1.22 0.00	31.89 0.99 0.00	31.08 0.94 0.00	33.73 0.92 0.00	34.17 1.01 0.00	34.18 1.08 0.00	36.25 1.29 0.00	36.68 1.21 0.00	44.60 1.61 0.00	59.58 2.36 0.00	88.47 3.89 0.00	74.08 3.45 0.00	56.27 2.57 0.00	47.13 2.01 0.00	45.50 1.83 0.00
DANSKAMMER__2 23589	46.28 1.72 0.00	42.43 1.38 0.00	38.24 1.13 0.00	38.00 1.12 0.00	41.23 1.26 0.00	39.34 1.36 0.00	47.91 1.81 0.00	59.52 2.31 0.00	43.35 1.60 0.00	35.75 1.22 0.00	31.89 0.99 0.00	31.08 0.94 0.00	33.73 0.92 0.00	34.17 1.01 0.00	34.18 1.08 0.00	36.25 1.29 0.00	36.68 1.21 0.00	44.60 1.61 0.00	59.58 2.36 0.00	88.47 3.89 0.00	74.08 3.45 0.00	56.27 2.57 0.00	47.13 2.01 0.00	45.50 1.83 0.00
DANSKAMMER__3 23590	46.28 1.72 0.00	42.43 1.38 0.00	38.24 1.13 0.00	38.00 1.12 0.00	41.23 1.26 0.00	39.34 1.36 0.00	47.91 1.81 0.00	59.52 2.31 0.00	43.35 1.60 0.00	35.75 1.22 0.00	31.89 0.99 0.00	31.08 0.94 0.00	33.73 0.92 0.00	34.17 1.01 0.00	34.18 1.08 0.00	36.25 1.29 0.00	36.68 1.21 0.00	44.60 1.61 0.00	59.58 2.36 0.00	88.47 3.89 0.00	74.08 3.45 0.00	56.27 2.57 0.00	47.13 2.01 0.00	45.50 1.83 0.00



DANSKAMMER___4 23591	46.28 1.72 0.00	42.43 1.38 0.00	38.24 1.13 0.00	38.00 1.12 0.00	41.23 1.26 0.00	39.34 1.36 0.00	47.91 1.81 0.00	59.52 2.31 0.00	43.35 1.60 0.00	35.75 1.22 0.00	31.89 0.99 0.00	31.08 0.94 0.00	33.73 0.92 0.00	34.17 1.01 0.00	34.18 1.08 0.00	36.25 1.29 0.00	36.68 1.21 0.00	44.60 1.61 0.00	59.58 2.36 0.00	88.47 3.89 0.00	74.08 3.45 0.00	56.27 2.57 0.00	47.13 2.01 0.00	45.50 1.83 0.00
DANSKAMMER___DIESEL 23592	46.28 1.72 0.00	42.43 1.38 0.00	38.24 1.13 0.00	38.00 1.12 0.00	41.23 1.26 0.00	39.34 1.36 0.00	47.91 1.81 0.00	59.52 2.31 0.00	43.35 1.60 0.00	35.75 1.22 0.00	31.89 1.00 0.00	31.08 0.95 0.00	33.73 0.92 0.00	34.17 1.01 0.00	34.18 1.08 0.00	36.25 1.29 0.00	36.68 1.21 0.00	44.60 1.62 0.00	59.59 2.37 0.00	88.47 3.89 0.00	74.08 3.45 0.00	56.27 2.57 0.00	47.13 2.01 0.00	45.50 1.83 0.00
DARBY___SOLAR 323810	45.92 1.36 0.00	42.12 1.07 0.00	38.05 0.93 0.00	37.80 0.93 0.00	40.96 0.99 0.00	39.02 1.04 0.00	47.56 1.46 0.00	59.07 1.86 0.00	42.69 0.94 0.00	35.04 0.50 0.00	31.11 0.21 0.00	30.34 0.21 0.00	33.00 0.19 0.00	33.40 0.25 0.00	33.32 0.21 0.00	35.27 0.31 0.00	36.04 0.58 0.00	44.15 1.17 0.00	59.25 2.03 0.00	87.74 3.16 0.00	73.46 2.83 0.00	55.88 2.17 0.00	46.92 1.80 0.00	45.35 1.67 0.00
DASHVILLE___HYD 23610	46.09 1.53 0.00	42.27 1.21 0.00	38.11 1.00 0.00	37.87 1.00 0.00	41.06 1.08 0.00	39.17 1.19 0.00	47.69 1.59 0.00	59.25 2.05 0.00	43.19 1.44 0.00	35.64 1.11 0.00	31.79 0.90 0.00	30.98 0.85 0.00	33.64 0.84 0.00	34.07 0.91 0.00	34.09 0.98 0.00	36.09 1.14 0.00	36.49 1.03 0.00	44.34 1.36 0.00	59.22 2.00 0.00	87.90 3.32 0.00	73.64 3.01 0.00	55.97 2.27 0.00	46.91 1.79 0.00	45.31 1.63 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	45.37 0.82 0.00	40.89 -0.16 0.00	36.81 -0.30 0.00	36.59 -0.29 0.00	39.86 -0.12 0.00	38.24 0.26 0.00	47.12 1.02 0.00	57.63 0.43 0.00	41.91 0.17 0.00	12.63 0.10 22.00	6.21 -0.07 24.63	7.68 -0.19 22.26	32.69 -0.11 0.00	33.23 0.08 0.00	33.54 0.43 0.00	36.30 1.34 0.00	36.17 0.71 0.00	44.17 1.17 -0.01	59.31 2.09 0.00	88.61 4.03 0.00	74.33 3.70 0.00	57.06 3.15 -0.21	48.63 2.79 -0.73	46.33 2.65 0.00
DELAWARE___LFGE 323621	45.42 0.86 0.00	41.85 0.79 0.00	37.77 0.67 0.00	37.54 0.67 0.00	40.74 0.76 0.00	38.75 0.77 0.00	47.06 0.95 0.00	58.44 1.23 0.00	42.64 0.89 0.00	35.23 0.69 0.00	31.53 0.63 0.00	30.76 0.63 0.00	33.52 0.72 0.00	33.86 0.70 0.00	33.83 0.72 0.00	35.70 0.75 0.00	36.21 0.75 0.00	44.03 1.05 0.00	58.47 1.24 0.00	86.44 1.87 0.00	72.17 1.54 0.00	54.77 1.07 0.00	45.95 0.83 0.00	44.41 0.74 0.00
DERFIELD_115KV_TB7 355931	44.51 -0.05 0.00	40.96 -0.09 0.00	37.02 -0.09 0.00	36.80 -0.07 0.00	39.90 -0.08 0.00	37.94 -0.04 0.00	46.09 -0.01 0.00	57.21 0.00 0.00	41.67 -0.07 0.00	34.44 -0.09 0.00	30.80 -0.09 0.00	30.04 -0.09 0.00	32.70 -0.11 0.00	33.06 -0.10 0.00	33.01 -0.10 0.00	34.85 -0.10 0.00	35.36 -0.10 0.00	42.88 -0.10 0.00	57.17 -0.05 0.00	84.58 0.00 0.00	70.64 0.00 0.00	53.70 0.00 0.00	45.09 -0.03 0.00	43.63 -0.05 0.00
DOGLEVILLE___HYD 23807	43.89 -0.66 0.00	40.26 -0.80 0.00	36.24 -0.87 0.00	36.02 -0.85 0.00	39.08 -0.90 0.00	37.39 -0.59 0.00	45.79 -0.31 0.00	56.82 -0.39 0.00	40.69 -1.06 0.00	33.09 -1.45 0.00	29.38 -1.52 0.00	28.67 -1.46 0.00	31.17 -1.64 0.00	31.54 -1.62 0.00	31.46 -1.64 0.00	33.22 -1.74 0.00	34.02 -1.45 0.00	42.07 -0.92 0.00	57.14 -0.08 0.00	85.04 0.46 0.00	71.10 0.46 0.00	53.97 0.26 0.00	45.20 0.08 0.00	43.45 -0.23 0.00
DUNKIRK___115KV_TB_200 55889	44.28 -0.28 0.00	41.14 0.09 0.00	37.05 -0.06 0.00	36.75 -0.12 0.00	39.93 -0.05 0.00	37.33 -0.64 0.00	44.90 -1.20 0.00	55.83 -1.37 0.00	40.99 -0.75 0.00	34.13 -0.40 0.00	30.92 0.02 0.00	30.06 -0.07 0.00	32.68 -0.13 0.00	32.79 -0.37 0.00	32.76 -0.35 0.00	34.76 -0.20 0.00	35.12 -0.34 0.00	42.23 -0.75 0.00	54.43 -2.80 0.00	79.79 -4.79 0.00	66.22 -4.42 0.00	49.98 -3.68 0.05	40.98 -3.65 0.49	40.52 -3.14 0.01
DUNKIRK___1 23563	44.28 -0.28 0.00	41.14 0.09 0.00	37.05 -0.06 0.00	36.75 -0.12 0.00	39.93 -0.05 0.00	37.33 -0.64 0.00	44.90 -1.20 0.00	55.83 -1.37 0.00	40.99 -0.75 0.00	34.13 -0.40 0.00	30.92 0.02 0.00	30.06 -0.07 0.00	32.68 -0.13 0.00	32.79 -0.37 0.00	32.76 -0.35 0.00	34.76 -0.20 0.00	35.12 -0.34 0.00	42.23 -0.75 0.00	54.43 -2.80 0.00	79.79 -4.79 0.00	66.22 -4.42 0.00	49.98 -3.68 0.05	40.98 -3.65 0.49	40.52 -3.14 0.01
DUNKIRK___2 23564	44.28 -0.28 0.00	41.14 0.09 0.00	37.05 -0.06 0.00	36.75 -0.12 0.00	39.93 -0.05 0.00	37.33 -0.64 0.00	44.90 -1.20 0.00	55.83 -1.37 0.00	40.99 -0.75 0.00	34.13 -0.40 0.00	30.92 0.02 0.00	30.06 -0.07 0.00	32.68 -0.13 0.00	32.79 -0.37 0.00	32.76 -0.35 0.00	34.76 -0.20 0.00	35.12 -0.34 0.00	42.23 -0.75 0.00	54.43 -2.80 0.00	79.79 -4.79 0.00	66.22 -4.42 0.00	49.98 -3.68 0.05	40.98 -3.65 0.49	40.52 -3.14 0.01
DUNKIRK___3 23565	43.99 -0.57 0.00	40.92 -0.13 0.00	36.88 -0.24 0.00	36.56 -0.31 0.00	39.71 -0.27 0.00	37.10 -0.88 0.00	44.57 -1.53 0.00	55.38 -1.82 0.00	40.65 -1.09 0.00	33.89 -0.65 0.00	30.73 -0.17 0.00	29.87 -0.26 0.00	32.49 -0.32 0.00	32.58 -0.57 0.00	32.56 -0.55 0.00	34.54 -0.41 0.00	34.94 -0.52 0.00	42.00 -0.99 0.00	54.14 -3.09 0.00	79.47 -5.10 0.00	65.98 -4.66 0.00	49.79 -3.87 0.04	40.97 -3.61 0.54	40.58 -3.08 0.01
DUNKIRK___4 23566	43.99 -0.57 0.00	40.92 -0.13 0.00	36.88 -0.24 0.00	36.56 -0.31 0.00	39.71 -0.27 0.00	37.10 -0.88 0.00	44.57 -1.53 0.00	55.38 -1.82 0.00	40.65 -1.09 0.00	33.89 -0.65 0.00	30.73 -0.17 0.00	29.87 -0.26 0.00	32.49 -0.32 0.00	32.58 -0.57 0.00	32.56 -0.55 0.00	34.54 -0.41 0.00	34.94 -0.52 0.00	42.00 -0.99 0.00	54.14 -3.09 0.00	79.47 -5.10 0.00	65.98 -4.66 0.00	49.79 -3.87 0.04	40.97 -3.61 0.54	40.58 -3.08 0.01
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	46.16 1.61 0.00	42.28 1.22 0.00	38.07 0.96 0.00	37.84 0.97 0.00	41.05 1.08 0.00	39.17 1.19 0.00	47.72 1.61 0.00	59.24 2.03 0.00	43.21 1.47 0.00	35.72 1.18 0.00	31.91 1.02 0.00	31.10 0.97 0.00	33.75 0.95 0.00	34.20 1.04 0.00	34.24 1.13 0.00	36.34 1.39 0.00	36.66 1.20 0.00	44.53 1.55 0.00	59.40 2.18 0.00	88.15 3.57 0.00	73.87 3.24 0.00	56.14 2.44 0.00	47.06 1.95 0.00	45.44 1.76 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	45.90 1.34 0.00	42.11 1.05 0.00	37.96 0.85 0.00	37.73 0.86 0.00	40.94 0.96 0.00	39.05 1.07 0.00	47.53 1.43 0.00	59.02 1.82 0.00	43.01 1.26 0.00	35.48 0.94 0.00	31.64 0.74 0.00	30.82 0.69 0.00	33.46 0.66 0.00	33.90 0.75 0.00	33.93 0.82 0.00	35.97 1.02 0.00	36.36 0.90 0.00	44.21 1.22 0.00	59.05 1.82 0.00	87.68 3.10 0.00	73.44 2.81 0.00	55.77 2.06 0.00	46.71 1.60 0.00	45.12 1.45 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	46.35 1.79 0.00	42.44 1.38 0.00	38.19 1.08 0.00	37.96 1.08 0.00	41.17 1.19 0.00	39.28 1.30 0.00	47.84 1.74 0.00	59.35 2.15 0.00	43.40 1.65 0.00	35.88 1.34 0.00	32.05 1.15 -0.01	31.23 1.10 -0.01	33.90 1.08 -0.01	34.36 1.20 -0.01	34.38 1.27 -0.01	36.48 1.52 0.00	36.82 1.36 0.00	44.69 1.70 0.00	59.59 2.36 0.00	88.50 3.93 0.00	74.22 3.59 -0.01	56.40 2.69 -0.01	47.24 2.13 0.00	45.59 1.91 0.00
E179THST_13_KV_LOAD 356214	46.52 1.96 0.00	42.58 1.53 0.00	38.33 1.22 0.00	38.08 1.21 0.00	41.31 1.33 0.00	39.41 1.44 0.00	47.99 1.89 0.00	59.55 2.34 0.00	43.53 1.79 0.00	36.01 1.47 0.00	32.18 1.28 -0.01	31.36 1.22 -0.01	34.03 1.22 -0.01	34.50 1.34 -0.01	34.52 1.41 -0.01	36.63 1.67 0.00	36.97 1.51 0.00	44.88 1.89 0.00	59.84 2.61 0.00	88.89 4.31 0.00	74.53 3.89 -0.01	56.62 2.91 -0.01	47.42 2.31 0.00	45.75 2.08 0.00
EAST HAMPTON___GT 23717	44.43 -0.13 0.00	40.01 -1.05 0.00	36.02 -1.09 0.00	35.82 -1.05 0.00	39.05 -0.93 0.00	37.49 -0.48 0.00	46.24 0.14 0.00	56.59 -0.62 0.00	41.14 -0.61 0.00	11.78 -0.46 22.29	5.41 -0.54 24.95	7.01 -0.57 22.56	32.42 -0.39 0.00	33.09 -0.07 0.00	33.31 0.20 0.00	35.92 0.96 0.00	35.78 0.32 0.00	43.92 0.92 -0.01	58.98 1.76 0.00	88.59 4.01 0.00	74.56 3.93 0.00	57.28 3.37 -0.21	48.94 3.10 -0.73	46.80 3.12 0.00
EAST RIVER___6 23660	46.36 1.80 0.00	42.47 1.41 0.00	38.23 1.12 0.00	37.98 1.11 0.00	41.20 1.22 0.00	39.31 1.33 0.00	47.88 1.78 0.00	59.45 2.24 0.00	43.41 1.67 0.00	35.90 1.37 0.00	32.10 1.20 0.00	31.29 1.16 0.00	33.94 1.13 0.00	34.40 1.24 0.00	34.43 1.33 0.00	36.54 1.58 0.00	36.87 1.41 0.00	44.76 1.78 0.00	59.67 2.44 0.00	88.53 3.95 0.00	74.20 3.57 0.00	56.39 2.69 0.00	47.26 2.14 0.00	45.61 1.93 0.00
EAST RIVER___7 23524	46.36 1.80 0.00	42.47 1.41 0.00	38.23 1.12 0.00	37.98 1.11 0.00	41.20 1.22 0.00	39.31 1.33 0.00	47.88 1.78 0.00	59.45 2.24 0.00	43.41 1.67 0.00	35.90 1.37 0.00	32.10 1.20 0.00	31.29 1.16 0.00	33.94 1.13 0.00	34.40 1.24 0.00	34.43 1.33 0.00	36.54 1.58 0.00	36.87 1.41 0.00	44.76 1.78 0.00	59.67 2.44 0.00	88.53 3.95 0.00	74.20 3.57 0.00	56.39 2.69 0.00	47.26 2.14 0.00	45.61 1.93 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	46.08 1.52 0.00	42.22 1.17 0.00	38.03 0.92 0.00	37.79 0.92 0.00	41.00 1.02 0.00	39.13 1.15 0.00	47.67 1.56 0.00	59.16 1.95 0.00	43.14 1.40 0.00	35.65 1.12 0.00	31.84 0.94 0.00	31.03 0.90 0.00	33.67 0.86 0.00	34.13 0.98 0.00	34.16 1.05 0.00	36.25 1.29 0.00	36.58 1.12 0.00	44.43 1.45 0.00	59.29 2.07 0.00	88.01 3.43 0.00	73.73 3.10 0.00	56.04 2.34 0.00	46.97 1.86 0.00	45.35 1.67 0.00
EAST_HAMPTON___DIESEL 23722	44.27 -0.29 0.00	39.87 -1.19 0.00	35.89 -1.22 0.00	35.69 -1.18 0.00	38.89 -1.09 0.00	37.37 -0.60 0.00	46.08 -0.02 0.00	56.38 -0.82 0.00	40.99 -0.75 0.00	11.69 -0.57 22.28	5.33 -0.63 24.93	6.95 -0.64 22.54	32.36 -0.45 0.00	33.04 -0.11 0.00	33.26 0.16 0.00	35.84 0.88 0.00	35.70 0.24 0.00	43.83 0.84 -0.01	58.89 1.67 0.00	88.47 3.89 0.00	74.51 3.88 0.00	57.25 3.33 -0.21	48.92 3.07 -0.73	46.81 3.13 0.00
EAST_POINT___SOLAR 323840	47.37 2.81 0.00	43.75 2.70 0.00	39.52 2.42 0.00	39.30 2.43 0.00	42.67 2.69 0.00	40.58 2.60 0.00	49.27 3.17 0.00	60.84 3.63 0.00	42.98 1.24 0.00	34.75 0.21 0.00	30.99 0.09 0.00	30.19 0.06 0.00	32.82 0.01 0.00	33.12 -0.04 0.00	33.00 -0.10 0.00	34.95 -0.01 0.00	36.09 0.63 0.00	45.02 2.03 0.00	61.19 3.97 0.00	90.99 6.41 0.00	75.95 5.32 0.00	57.47 3.77 0.00	48.02 2.90 0.00	46.32 2.64 0.00
EAST_PULASKI___ESR 323781	43.79 -0.77 0.00	40.40 -0.66 0.00	36.65 -0.47 0.00	36.49 -0.39 0.00	39.64 -0.34 0.00	37.59 -0.39 0.00	45.59 -0.51 0.00	56.62 -0.59 0.00	41.16 -0.58 0.00	33.88 -0.66 0.00	30.28 -0.62 0.00	29.47 -0.67 0.00	32.06 -0.75 0.00	32.34 -0.81 0.00	32.32 -0.78 0.00	34.17 -0.79 0.00	34.69 -0.77 0.00	42.22 -0.77 0.00	56.57 -0.65 0.00	83.96 -0.61 0.00	70.02 -0.61 0.00	52.95 -0.75 0.00	44.30 -0.82 0.00	42.77 -0.91 0.00
EAST_RIVER___1 323558	46.31 1.75 0.00	42.42 1.37 0.00	38.19 1.08 0.00	37.95 1.08 0.00	41.17 1.19 0.00	39.27 1.30 0.00	47.85 1.75 0.00	59.40 2.20 0.00	43.37 1.63 0.00	35.86 1.32 0.00	32.06 1.16 0.00	31.25 1.12 0.00	33.90 1.09 0.00	34.36 1.21 0.00	34.39 1.28 0.00	36.50 1.54 0.00	36.82 1.36 0.00	44.72 1.73 0.00	59.60 2.38 0.00	88.46 3.88 0.00	74.14 3.50 0.00	56.32 2.62 0.00	47.21 2.09 0.00	45.57 1.89 0.00
EAST_RIVER___2 323559	46.36 1.80 0.00	42.47 1.41 0.00	38.23 1.12 0.00	37.98 1.11 0.00	41.20 1.22 0.00	39.31 1.33 0.00	47.88 1.78 0.00	59.45 2.24 0.00	43.41 1.67 0.00	35.90 1.37 0.00	32.10 1.20 0.00	31.29 1.16 0.00	33.94 1.13 0.00	34.40 1.24 0.00	34.43 1.33 0.00	36.54 1.58 0.00	36.87 1.41 0.00	44.76 1.78 0.00	59.67 2.44 0.00	88.53 3.95 0.00	74.20 3.57 0.00	56.39 2.69 0.00	47.26 2.14 0.00	45.61 1.93 0.00
EAST___DELAWARE_HYD 23607	46.20 1.64 0.00	42.42 1.36 0.00	38.23 1.12 0.00	38.00 1.13 0.00	41.26 1.28 0.00	39.33 1.35 0.00	47.88 1.78 0.00	59.45 2.24 0.00	43.29 1.55 0.00	35.63 1.10 0.00	31.70 0.80 0.00	30.85 0.72 0.00	33.49 0.68 0.00	33.88 0.72 0.00	33.88 0.77 0.00	35.91 0.96 0.00	36.39 0.93 0.00	44.38 1.40 0.00	59.28 2.06 0.00	88.20 3.63 0.00	73.87 3.24 0.00	56.05 2.35 0.00	46.94 1.82 0.00	45.30 1.62 0.00
EIGHT_POINT___WT_PWR 323820	41.92 -2.64 0.00	39.62 -1.44 0.00	35.73 -1.38 0.00	35.38 -1.50 0.00	38.79 -1.18 0.00	36.27 -1.71 0.00	44.29 -1.81 0.00	55.53 -1.68 0.00	40.84 -0.91 0.00	33.84 -0.69 0.00	30.34 -0.55 0.00	29.19 -0.94 0.00	31.72 -1.09 0.00	31.89 -1.27 0.00	31.90 -1.21 0.00	33.99 -0.97 0.00	34.75 -0.71 0.00	42.24 -0.74 0.00	55.22 -2.01 0.00	80.93 -3.65 0.00	66.46 -4.17 0.00	49.55 -4.07 0.08	45.34 -3.57 -3.79	40.53 -3.25 -0.10
ELBRIDGE_115KV_TB2 80188	44.14 -0.42 0.00	40.75 -0.31 0.00	36.84 -0.27 0.00	36.60 -0.27 0.00	39.63 -0.35 0.00	37.60 -0.38 0.00	45.59 -0.51 0.00	56.60 -0.61 0.00	41.26 -0.48 0.00	34.12 -0.42 0.00	30.57 -0.33 0.00	29.77 -0.36 0.00	32.40 -0.41 0.00	32.70 -0.46 0.00	32.68 -0.43 0.00	34.51 -0.44 0.00	35.06 -0.40 0.00	42.44 -0.54 0.00	56.35 -0.87 0.00	83.34 -1.24 0.00	69.38 -1.25 0.00	52.54 -1.16 0.00	44.15 -0.97 0.00	42.76 -0.91 0.00
ELEC_TRO_TEK 24086	46.35 1.80 0.00	42.26 1.21 0.00	38.03 0.92 0.00	37.78 0.91 0.00	41.08 1.11 0.00	39.30 1.32 0.00	47.95 1.85 0.00	59.27 2.06 0.00	43.20 1.46 0.00	35.71 1.17 0.00	31.89 0.99 0.00	30.99 0.86 0.00	33.64 0.83 0.00	34.09 0.94 0.00	34.24 1.14 0.00	36.70 1.75 0.00	36.85 1.39 0.00	44.94 1.88 -0.08	59.92 2.70 0.00	88.83 4.26 0.00	74.35 3.72 0.00	58.34 3.01 -1.63	53.22 2.50 -5.61	45.95 2.27 0.00



ELLENBURG_WT_PWR 323604	-19.31 -1.13 62.74	-19.44 -0.92 59.58	-19.34 -0.78 55.68	8.64 -0.77 27.46	24.37 -0.78 14.83	37.31 -0.67 0.00	45.54 -0.56 0.00	56.98 -0.22 0.00	41.69 -0.06 0.00	34.39 -0.14 0.00	30.85 -0.04 0.00	30.20 0.07 0.00	32.91 0.10 0.00	33.37 0.22 0.00	33.22 0.11 0.00	35.18 0.22 0.00	35.90 0.44 0.00	43.76 0.77 0.00	58.61 1.38 0.00	86.09 1.51 0.00	72.04 1.40 0.00	55.13 1.43 0.00	46.33 1.21 0.00	44.77 1.09 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	43.11 -1.45 0.00	40.26 -0.80 0.00	36.45 -0.66 0.00	36.07 -0.80 0.00	39.12 -0.86 0.00	36.36 -1.61 0.00	43.55 -2.56 0.00	53.86 -3.34 0.00	39.54 -2.20 0.00	33.11 -1.43 0.00	30.18 -0.72 0.00	29.24 -0.89 0.00	31.79 -1.02 0.00	31.78 -1.38 0.00	31.80 -1.30 0.00	33.73 -1.23 0.00	34.35 -1.11 0.00	41.08 -1.91 0.00	52.98 -4.24 0.00	77.84 -6.73 0.00	64.75 -5.88 0.00	48.99 -4.67 0.04	40.65 -3.72 0.75	40.55 -3.11 0.02
EMPIRE_CC_1 323656	44.89 0.33 0.00	41.23 0.18 0.00	37.35 0.25 0.00	37.13 0.25 0.00	40.13 0.15 0.00	38.27 0.29 0.00	46.48 0.38 0.00	57.72 0.51 0.00	41.88 0.14 0.00	34.74 0.20 0.00	30.92 0.03 0.00	30.19 0.06 0.00	32.81 0.00 0.00	33.25 0.10 0.00	33.17 0.06 0.00	35.06 0.10 0.00	35.61 0.15 0.00	42.99 0.01 0.00	57.56 0.34 0.00	85.01 0.43 0.00	71.20 0.57 0.00	54.38 0.67 0.00	45.79 0.67 0.00	44.37 0.69 0.00
EMPIRE_CC_2 323658	44.89 0.33 0.00	41.23 0.18 0.00	37.35 0.25 0.00	37.13 0.25 0.00	40.13 0.15 0.00	38.27 0.29 0.00	46.48 0.38 0.00	57.72 0.51 0.00	41.88 0.14 0.00	34.74 0.20 0.00	30.92 0.03 0.00	30.19 0.06 0.00	32.81 0.00 0.00	33.25 0.10 0.00	33.17 0.06 0.00	35.06 0.10 0.00	35.61 0.15 0.00	42.99 0.01 0.00	57.56 0.34 0.00	85.01 0.43 0.00	71.20 0.57 0.00	54.38 0.67 0.00	45.79 0.67 0.00	44.37 0.69 0.00
ENORWICH_115KV_TB1 80156	45.34 0.78 0.00	42.04 0.98 0.00	37.92 0.81 0.00	37.85 0.97 0.00	40.98 1.00 0.00	39.34 1.36 0.00	48.04 1.94 0.00	60.17 2.96 0.00	44.03 2.29 0.00	35.76 1.23 0.00	31.86 0.96 0.00	31.13 1.00 0.00	33.97 1.16 0.00	34.15 0.99 0.00	34.14 1.03 0.00	36.22 1.27 0.00	37.11 1.65 0.00	45.92 2.94 0.00	61.55 4.33 0.00	91.51 6.93 0.00	75.76 5.13 0.00	56.82 3.06 -0.06	47.21 1.88 -0.21	44.89 1.21 -0.01
ERIE_ST__34_KV_TB1-2 80199	43.83 -0.73 0.00	40.93 -0.13 0.00	37.03 -0.08 0.00	36.63 -0.24 0.00	39.76 -0.22 0.00	36.96 -1.01 0.00	44.29 -1.81 0.00	54.84 -2.37 0.00	40.24 -1.50 0.00	33.65 -0.88 0.00	30.60 -0.30 0.00	29.66 -0.47 0.00	32.29 -0.52 0.00	32.26 -0.90 0.00	32.29 -0.81 0.00	34.26 -0.70 0.00	34.89 -0.57 0.00	41.88 -1.11 0.00	54.09 -3.13 0.00	79.51 -5.06 0.00	66.10 -4.53 0.00	49.94 -3.73 0.04	41.54 -2.95 0.63	41.28 -2.38 0.02
ERIE_WT_PWR 323693	43.46 -1.10 0.00	40.60 -0.45 0.00	36.75 -0.36 0.00	36.36 -0.51 0.00	39.43 -0.54 0.00	36.65 -1.33 0.00	43.92 -2.18 0.00	54.32 -2.89 0.00	39.87 -1.87 0.00	33.37 -1.16 0.00	30.40 -0.49 0.00	29.45 -0.68 0.00	32.03 -0.78 0.00	32.01 -1.14 0.00	32.04 -1.07 0.00	33.98 -0.98 0.00	34.62 -0.84 0.00	41.46 -1.53 0.00	53.49 -3.74 0.00	78.58 -5.99 0.00	65.34 -5.29 0.00	49.40 -4.26 0.04	41.08 -3.36 0.67	40.87 -2.78 0.02
ESPRGFLD_115KV_TB1 80157	46.36 1.80 0.00	42.93 1.88 0.00	38.78 1.68 0.00	38.56 1.69 0.00	41.87 1.89 0.00	39.81 1.83 0.00	48.24 2.13 0.00	59.85 2.64 0.00	43.62 1.87 0.00	36.02 1.49 0.00	32.30 1.40 0.00	31.48 1.35 0.00	34.31 1.50 0.00	34.57 1.42 0.00	34.53 1.43 0.00	36.51 1.55 0.00	37.13 1.67 0.00	45.36 2.37 0.00	60.21 2.99 0.00	88.98 4.40 0.00	74.13 3.50 0.00	56.06 2.35 0.00	46.86 1.74 0.00	45.21 1.54 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	44.97 0.41 0.00	41.52 0.46 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.42 0.44 0.00	38.38 0.40 0.00	46.56 0.46 0.00	57.90 0.69 0.00	42.21 0.46 0.00	34.71 0.17 0.00	30.93 0.03 0.00	30.06 -0.07 0.00	32.73 -0.08 0.00	33.00 -0.15 0.00	32.98 -0.13 0.00	34.90 -0.06 0.00	35.54 0.08 0.00	43.36 0.38 0.00	57.74 0.52 0.00	85.65 1.07 0.00	71.33 0.70 0.00	54.06 0.21 -0.15	45.48 0.03 -0.34	43.67 -0.02 -0.01
ETNA____115KV_TB2 80207	44.97 0.41 0.00	41.52 0.46 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.42 0.44 0.00	38.38 0.40 0.00	46.56 0.46 0.00	57.90 0.69 0.00	42.21 0.46 0.00	34.71 0.17 0.00	30.93 0.03 0.00	30.06 -0.07 0.00	32.73 -0.08 0.00	33.00 -0.15 0.00	32.98 -0.13 0.00	34.90 -0.06 0.00	35.54 0.08 0.00	43.36 0.38 0.00	57.74 0.52 0.00	85.65 1.07 0.00	71.33 0.70 0.00	54.06 0.21 -0.15	45.48 0.03 -0.34	43.67 -0.02 -0.01
EUCLID____115KV_TB2 356179	43.90 -0.66 0.00	40.51 -0.55 0.00	36.63 -0.49 0.00	36.39 -0.48 0.00	39.45 -0.53 0.00	37.41 -0.57 0.00	45.33 -0.78 0.00	56.26 -0.95 0.00	41.01 -0.73 0.00	33.97 -0.56 0.00	30.46 -0.43 0.00	29.69 -0.44 0.00	32.30 -0.51 0.00	32.60 -0.56 0.00	32.56 -0.55 0.00	34.41 -0.54 0.00	34.90 -0.56 0.00	42.21 -0.78 0.00	56.04 -1.18 0.00	82.89 -1.69 0.00	69.08 -1.55 0.00	52.34 -1.36 0.00	43.94 -1.18 0.00	42.57 -1.11 0.00
E_CANADA_CAP_HY 24051	46.65 2.09 0.00	43.19 2.13 0.00	39.04 1.93 0.00	38.82 1.94 0.00	42.13 2.15 0.00	40.06 2.08 0.00	48.53 2.43 0.00	60.13 2.92 0.00	43.47 1.72 0.00	35.72 1.18 0.00	31.96 1.06 0.00	31.15 1.02 0.00	33.92 1.11 0.00	34.19 1.03 0.00	34.14 1.03 0.00	36.10 1.15 0.00	36.85 1.39 0.00	45.15 2.17 0.00	60.44 3.22 0.00	89.48 4.90 0.00	74.65 4.02 0.00	56.51 2.81 0.00	47.26 2.14 0.00	45.61 1.93 0.00
E_CANADA_MHWK_HY 24050	43.89 -0.66 0.00	40.26 -0.80 0.00	36.24 -0.87 0.00	36.02 -0.85 0.00	39.08 -0.90 0.00	37.39 -0.59 0.00	45.79 -0.31 0.00	56.82 -0.39 0.00	40.69 -1.06 0.00	33.09 -1.45 0.00	29.38 -1.52 0.00	28.67 -1.46 0.00	31.17 -1.64 0.00	31.54 -1.62 0.00	31.46 -1.64 0.00	33.22 -1.74 0.00	34.02 -1.45 0.00	42.07 -0.92 0.00	57.14 -0.08 0.00	85.04 0.46 0.00	71.10 0.46 0.00	53.97 0.26 0.00	45.20 0.08 0.00	43.45 -0.23 0.00
E_FISHKILL____LBMP 23776	45.85 1.28 0.00	42.02 0.96 0.00	37.86 0.75 0.00	37.62 0.75 0.00	40.81 0.83 0.00	38.94 0.96 0.00	47.42 1.32 0.00	58.89 1.68 0.00	42.90 1.16 0.00	35.43 0.89 0.00	31.64 0.74 0.00	30.84 0.71 0.00	33.48 0.67 0.00	33.93 0.78 0.00	33.95 0.84 0.00	35.98 1.02 0.00	36.34 0.88 0.00	44.12 1.14 0.00	58.92 1.69 0.00	87.42 2.84 0.00	73.23 2.60 0.00	55.68 1.97 0.00	46.68 1.57 0.00	45.10 1.42 0.00
FALCON____SEABRD_CC1 323796	-20.62 -1.48 63.70	-20.64 -1.21 60.49	-20.56 -1.15 56.53	7.70 -1.28 27.88	23.61 -1.31 15.06	36.93 -1.05 0.00	45.28 -0.82 0.00	56.90 -0.31 0.00	41.41 -0.33 0.00	33.95 -0.59 0.00	30.51 -0.38 0.00	29.93 -0.20 0.00	32.66 -0.14 0.00	33.30 0.14 0.00	33.23 0.12 0.00	35.31 0.35 0.00	36.14 0.68 0.00	44.24 1.25 0.00	59.44 2.22 0.00	86.67 2.09 0.00	72.69 2.06 0.00	55.95 2.25 0.00	46.99 1.88 0.00	45.32 1.64 0.00



FALCON___SEABRD_CC2 323797	-20.62 -1.48 63.70	-20.64 -1.21 60.49	-20.56 -1.15 56.53	7.70 -1.28 27.88	23.61 -1.31 15.06	36.93 -1.05 0.00	45.28 -0.82 0.00	56.90 -0.31 0.00	41.41 -0.33 0.00	33.95 -0.59 0.00	30.51 -0.38 0.00	29.93 -0.20 0.00	32.66 -0.14 0.00	33.30 0.14 0.00	33.23 0.12 0.00	35.31 0.35 0.00	36.14 0.68 0.00	44.24 1.25 0.00	59.44 2.22 0.00	86.67 2.09 0.00	72.69 2.06 0.00	55.95 2.25 0.00	46.99 1.88 0.00	45.32 1.64 0.00
FAR ROCKAWAY___4 23548	46.97 2.41 0.00	42.79 1.73 0.00	38.51 1.40 0.00	38.25 1.38 0.00	41.62 1.64 0.00	39.81 1.83 0.00	48.58 2.48 0.00	60.01 2.80 0.00	43.75 2.01 0.00	36.16 1.63 0.00	32.29 1.40 0.00	31.38 1.25 0.00	34.06 1.25 0.00	34.52 1.36 0.00	34.65 1.54 0.00	37.13 2.18 0.00	37.32 1.86 0.00	45.63 2.47 -0.17	60.77 3.55 0.00	90.12 5.54 0.00	75.40 4.77 0.00	61.10 3.75 -3.65	60.75 3.06 -12.57	46.52 2.83 -0.01
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	46.33 1.77 0.00	42.43 1.37 0.00	38.20 1.09 0.00	37.96 1.09 0.00	41.18 1.20 0.00	39.30 1.32 0.00	47.85 1.75 0.00	59.42 2.22 0.00	43.38 1.64 0.00	35.87 1.34 0.00	32.07 1.17 0.00	31.26 1.13 0.00	33.90 1.10 0.00	34.37 1.21 0.00	34.40 1.29 0.00	36.50 1.54 0.00	36.83 1.37 0.00	44.73 1.74 0.00	59.62 2.39 0.00	88.49 3.91 0.00	74.16 3.52 0.00	56.34 2.63 0.00	47.21 2.10 0.00	45.57 1.89 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	46.34 1.78 0.00	42.45 1.40 0.00	38.23 1.11 0.00	37.98 1.11 0.00	41.19 1.21 0.00	39.30 1.33 0.00	47.87 1.77 0.00	59.45 2.24 0.00	43.40 1.65 0.00	35.88 1.35 0.00	32.08 1.18 0.00	31.27 1.14 0.00	33.92 1.11 0.00	34.38 1.22 0.00	34.41 1.30 0.00	36.51 1.55 0.00	36.85 1.39 0.00	44.74 1.76 0.00	59.63 2.41 0.00	88.53 3.95 0.00	74.20 3.57 0.00	56.37 2.66 0.00	47.25 2.13 0.00	45.60 1.92 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	46.29 1.74 0.00	42.41 1.35 0.00	38.19 1.08 0.00	37.94 1.07 0.00	41.16 1.18 0.00	39.27 1.29 0.00	47.83 1.73 0.00	59.39 2.18 0.00	43.36 1.62 0.00	35.86 1.32 0.00	32.05 1.16 0.00	31.25 1.12 0.00	33.89 1.08 0.00	34.34 1.19 0.00	34.37 1.27 0.00	36.48 1.53 0.00	36.82 1.36 0.00	44.70 1.72 0.00	59.58 2.35 0.00	88.43 3.86 0.00	74.11 3.48 0.00	56.31 2.60 0.00	47.20 2.08 0.00	45.55 1.88 0.00
FARRAGUT___LBMP 323566	46.28 1.72 0.00	42.39 1.33 0.00	38.16 1.05 0.00	37.92 1.06 0.00	41.14 1.16 0.00	39.25 1.27 0.00	47.81 1.71 0.00	59.35 2.15 0.00	43.33 1.59 0.00	35.83 1.29 0.00	32.03 1.13 0.00	31.22 1.09 0.00	33.86 1.05 0.00	34.31 1.16 0.00	34.36 1.25 0.00	36.45 1.50 0.00	36.79 1.33 0.00	44.66 1.68 0.00	59.54 2.32 0.00	88.38 3.80 0.00	74.07 3.44 0.00	56.27 2.57 0.00	47.17 2.05 0.00	45.52 1.85 0.00
FENNER___WINDPWR 24204	44.95 0.39 0.00	41.42 0.36 0.00	37.44 0.33 0.00	37.25 0.38 0.00	40.39 0.42 0.00	38.44 0.46 0.00	46.70 0.60 0.00	58.04 0.83 0.00	42.22 0.48 0.00	34.74 0.21 0.00	31.03 0.13 0.00	30.22 0.09 0.00	32.90 0.09 0.00	33.20 0.05 0.00	33.17 0.06 0.00	35.07 0.11 0.00	35.65 0.19 0.00	43.47 0.48 0.00	58.08 0.85 0.00	86.11 1.53 0.00	71.78 1.15 0.00	54.37 0.64 -0.03	45.46 0.35 0.00	43.93 0.26 0.00
FIBERTEK___ENERGY 23856	44.36 -0.20 0.00	40.93 -0.12 0.00	37.01 -0.10 0.00	36.77 -0.10 0.00	39.85 -0.13 0.00	37.81 -0.17 0.00	45.83 -0.27 0.00	56.89 -0.32 0.00	41.46 -0.28 0.00	34.28 -0.25 0.00	30.71 -0.18 0.00	29.92 -0.21 0.00	32.57 -0.24 0.00	32.87 -0.29 0.00	32.85 -0.26 0.00	34.72 -0.23 0.00	35.25 -0.21 0.00	42.69 -0.29 0.00	56.69 -0.53 0.00	83.85 -0.73 0.00	69.86 -0.77 0.00	52.90 -0.80 0.00	44.41 -0.71 0.00	43.00 -0.67 0.00
FITZPATRICK____ 23598	43.36 -1.19 0.00	40.00 -1.06 0.00	36.18 -0.92 0.00	35.95 -0.92 0.00	38.95 -1.03 0.00	36.96 -1.02 0.00	44.79 -1.32 0.00	55.57 -1.64 0.00	40.55 -1.19 0.00	33.62 -0.91 0.00	30.17 -0.73 0.00	29.40 -0.74 0.00	31.99 -0.82 0.00	32.29 -0.86 0.00	32.26 -0.85 0.00	34.07 -0.88 0.00	34.52 -0.94 0.00	41.69 -1.30 0.00	55.36 -1.86 0.00	81.87 -2.71 0.00	68.23 -2.40 0.00	51.70 -2.00 0.00	43.45 -1.67 0.00	42.09 -1.59 0.00
FLOWRFLD_69_KV_BK1 356044	46.49 1.94 0.00	42.06 1.01 0.00	37.85 0.74 0.00	37.59 0.72 0.00	40.93 0.96 0.00	39.19 1.21 0.00	48.09 1.99 0.00	59.03 1.82 0.00	42.98 1.23 0.00	40.12 0.93 -4.65	36.75 0.67 -5.17	35.28 0.47 -4.67	33.23 0.42 0.00	33.68 0.52 0.00	33.94 0.83 0.00	36.70 1.74 0.00	36.72 1.26 0.00	44.80 1.81 -0.01	60.04 2.82 0.00	89.12 4.54 0.00	74.52 3.89 0.00	57.20 3.28 -0.22	48.67 2.78 -0.77	46.16 2.48 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	46.37 1.81 0.00	42.51 1.45 0.00	38.30 1.19 0.00	38.07 1.20 0.00	41.31 1.33 0.00	39.41 1.43 0.00	48.01 1.90 0.00	59.63 2.42 0.00	43.42 1.68 0.00	35.82 1.29 0.00	31.96 1.06 0.00	31.13 1.01 0.00	33.80 0.99 0.00	34.23 1.08 0.00	34.25 1.14 0.00	36.32 1.36 0.00	36.76 1.30 0.00	44.69 1.71 0.00	59.72 2.50 0.00	88.66 4.08 0.00	74.23 3.60 0.00	56.38 2.68 0.00	47.22 2.11 0.00	45.59 1.92 0.00
FORT ORANGE____ 23900	45.24 0.68 0.00	41.55 0.49 0.00	37.54 0.43 0.00	37.30 0.43 0.00	40.40 0.42 0.00	38.49 0.51 0.00	46.87 0.76 0.00	58.19 0.99 0.00	42.21 0.47 0.00	34.80 0.26 0.00	31.01 0.11 0.00	30.25 0.12 0.00	32.91 0.10 0.00	33.32 0.17 0.00	33.25 0.14 0.00	35.10 0.15 0.00	35.70 0.24 0.00	43.33 0.35 0.00	58.11 0.88 0.00	86.05 1.47 0.00	72.01 1.38 0.00	54.86 1.16 0.00	46.11 0.99 0.00	44.58 0.90 0.00
FORT_DRUM_COGEN 23780	47.00 -0.21 -2.64	43.51 -0.05 -2.51	39.80 0.34 -2.35	38.66 0.63 -1.16	41.61 1.01 -0.63	38.81 0.83 0.00	47.16 1.06 0.00	58.70 1.49 0.00	42.36 0.61 0.00	34.33 -0.20 0.00	30.44 -0.45 0.00	29.57 -0.56 0.00	32.15 -0.66 0.00	32.41 -0.75 0.00	32.37 -0.73 0.00	34.24 -0.71 0.00	34.87 -0.59 0.00	43.13 0.14 0.00	59.06 1.84 0.00	88.27 3.70 0.00	73.74 3.11 0.00	55.64 1.94 0.00	46.31 1.19 0.00	44.40 0.72 0.00
FOX_HILLS___ESR 323835	56.80 2.17 -10.07	56.98 1.69 -14.23	55.84 1.37 -17.35	55.72 1.38 -17.48	55.73 1.51 -14.24	55.73 1.60 -16.15	55.97 2.05 -7.82	59.77 2.49 -0.07	57.03 1.89 -13.39	56.99 1.58 -20.87	56.26 1.41 -23.95	55.75 1.36 -24.26	55.75 1.36 -21.58	55.75 1.47 -21.12	55.75 1.56 -21.09	56.56 1.80 -19.80	56.94 1.62 -19.85	57.16 2.01 -12.17	65.26 2.66 -5.38	97.34 4.30 -8.47	97.32 3.90 -22.79	97.40 3.01 -40.69	59.61 2.42 -12.07	57.11 2.24 -11.19
FPL FAR_ROCK_GT1 24212	46.97 2.41 0.00	42.79 1.74 0.00	38.51 1.40 0.00	38.25 1.38 0.00	41.62 1.64 0.00	39.81 1.83 0.00	48.57 2.47 0.00	60.00 2.80 0.00	43.75 2.01 0.00	36.16 1.62 0.00	32.29 1.40 0.00	31.38 1.25 0.00	34.06 1.25 0.00	34.52 1.36 0.00	34.65 1.54 0.00	37.13 2.18 0.00	37.33 1.87 0.00	45.62 2.47 -0.17	60.77 3.55 0.00	90.11 5.54 0.00	75.40 4.77 0.00	61.10 3.75 -3.65	60.75 3.06 -12.57	46.52 2.83 -0.01



FPL FAR_ROCK_GT2 23815	46.97 2.41 0.00	42.79 1.74 0.00	38.51 1.40 0.00	38.25 1.38 0.00	41.62 1.64 0.00	39.81 1.83 0.00	48.57 2.47 0.00	60.00 2.80 0.00	43.75 2.01 0.00	36.16 1.62 0.00	32.29 1.40 0.00	31.38 1.25 0.00	34.06 1.25 0.00	34.52 1.36 0.00	34.65 1.54 0.00	37.13 2.18 0.00	37.33 1.87 0.00	45.62 2.47 -0.17	60.77 3.55 0.00	90.11 5.54 0.00	75.40 4.77 0.00	61.10 3.75 -3.65	60.75 3.06 -12.57	46.52 2.83 -0.01
FRANKLIN_FALL_HYD 24054	85.91 -0.33 -41.69	80.55 -0.14 -39.63	74.11 -0.04 -37.03	55.10 -0.04 -18.27	49.85 0.01 -9.86	38.04 0.06 0.00	46.37 0.26 0.00	57.95 0.74 0.00	42.48 0.74 0.00	34.99 0.46 0.00	31.32 0.42 0.00	30.59 0.46 0.00	33.29 0.48 0.00	33.67 0.51 0.00	33.45 0.34 0.00	35.34 0.38 0.00	36.03 0.57 0.00	43.96 0.98 0.00	58.99 1.77 0.00	87.07 2.49 0.00	72.86 2.23 0.00	55.69 1.99 0.00	46.73 1.62 0.00	45.16 1.49 0.00
FREEPORT_EQUS_GT1 23764	46.53 1.97 0.00	42.37 1.31 0.00	38.12 1.01 0.00	37.86 1.00 0.00	41.18 1.20 0.00	39.39 1.41 0.00	48.10 2.00 0.00	59.39 2.19 0.00	43.29 1.54 0.00	35.78 1.24 0.00	31.92 1.03 0.00	31.01 0.88 0.00	33.65 0.84 0.00	34.10 0.94 0.00	34.27 1.17 0.00	36.78 1.82 0.00	36.93 1.47 0.00	45.05 2.00 -0.07	60.14 2.91 0.00	88.99 4.42 0.00	74.67 4.03 0.00	58.41 3.27 -1.44	52.77 2.69 -4.97	46.17 2.49 0.00
FREEPORT___CT2 23818	46.53 1.97 0.00	42.37 1.31 0.00	38.12 1.01 0.00	37.86 1.00 0.00	41.18 1.20 0.00	39.39 1.41 0.00	48.10 2.00 0.00	59.39 2.19 0.00	43.29 1.54 0.00	35.78 1.24 0.00	31.92 1.03 0.00	31.01 0.88 0.00	33.65 0.84 0.00	34.10 0.94 0.00	34.27 1.17 0.00	36.78 1.82 0.00	36.93 1.47 0.00	45.05 2.00 -0.07	60.14 2.91 0.00	88.99 4.42 0.00	74.67 4.03 0.00	58.41 3.27 -1.44	52.77 2.69 -4.97	46.17 2.49 0.00
FRESHKLS_33_KV_LOAD 356253	56.77 2.14 -10.07	56.95 1.67 -14.23	55.82 1.36 -17.35	55.71 1.37 -17.48	55.72 1.51 -14.24	55.72 1.59 -16.15	55.94 2.02 -7.82	59.69 2.42 -0.07	56.97 1.83 -13.39	56.94 1.53 -20.87	56.20 1.35 -23.95	55.68 1.30 -24.26	55.68 1.29 -21.58	55.67 1.39 -21.12	55.68 1.48 -21.09	56.48 1.72 -19.80	56.85 1.54 -19.85	57.05 1.90 -12.17	65.11 2.51 -5.38	97.10 4.05 -8.47	97.12 3.70 -22.79	97.28 2.89 -40.69	59.53 2.34 -12.07	57.06 2.19 -11.19
FULTON COGEN____ 23766	43.75 -0.81 0.00	40.35 -0.71 0.00	36.48 -0.63 0.00	36.25 -0.62 0.00	39.32 -0.66 0.00	37.29 -0.69 0.00	45.19 -0.91 0.00	56.09 -1.12 0.00	40.87 -0.87 0.00	33.82 -0.72 0.00	30.29 -0.60 0.00	29.49 -0.64 0.00	32.09 -0.72 0.00	32.38 -0.77 0.00	32.35 -0.75 0.00	34.21 -0.75 0.00	34.73 -0.73 0.00	42.06 -0.92 0.00	55.90 -1.32 0.00	82.72 -1.85 0.00	68.98 -1.66 0.00	52.23 -1.47 0.00	43.81 -1.31 0.00	42.41 -1.26 0.00
FULTON___LFGE 323630	46.86 2.31 0.00	43.25 2.20 0.00	39.07 1.96 0.00	38.83 1.96 0.00	42.16 2.18 0.00	40.11 2.13 0.00	48.68 2.58 0.00	60.26 3.05 0.00	43.08 1.34 0.00	34.96 0.43 0.00	31.12 0.22 0.00	30.32 0.18 0.00	32.98 0.17 0.00	33.28 0.12 0.00	33.21 0.10 0.00	35.13 0.17 0.00	36.03 0.56 0.00	44.60 1.62 0.00	60.45 3.23 0.00	89.81 5.24 0.00	75.01 4.37 0.00	56.82 3.12 0.00	47.56 2.44 0.00	45.89 2.21 0.00
G.F.CEMENT___DRP 24184	47.88 3.32 0.00	43.32 2.26 0.00	39.02 1.91 0.00	38.77 1.90 0.00	42.04 2.06 0.00	40.16 2.18 0.00	49.16 3.06 0.00	61.21 4.00 0.00	44.08 2.33 0.00	36.02 1.49 0.00	31.88 0.98 0.00	31.05 0.93 0.00	33.79 0.98 0.00	34.19 1.04 0.00	34.06 0.96 0.00	36.25 1.30 0.00	37.22 1.76 0.00	44.86 1.88 0.00	61.06 3.83 0.00	90.46 5.88 0.00	75.77 5.14 0.00	57.52 3.82 0.00	48.14 3.02 0.00	46.48 2.81 0.00
GARDENVILLE___LBMP 24039	43.31 -1.25 0.00	40.45 -0.61 0.00	36.60 -0.51 0.00	36.21 -0.66 0.00	39.28 -0.70 0.00	36.52 -1.46 0.00	43.75 -2.35 0.00	54.13 -3.08 0.00	39.74 -2.01 0.00	33.27 -1.27 0.00	30.30 -0.59 0.00	29.36 -0.77 0.00	31.93 -0.88 0.00	31.92 -1.23 0.00	31.95 -1.15 0.00	33.88 -1.08 0.00	34.50 -0.96 0.00	41.29 -1.69 0.00	53.27 -3.96 0.00	78.28 -6.30 0.00	65.09 -5.54 0.00	49.22 -4.44 0.04	40.85 -3.56 0.71	40.69 -2.97 0.02
GARDNVLA_35_KV_LD 355827	43.54 -1.02 0.00	40.67 -0.39 0.00	36.82 -0.29 0.00	36.42 -0.45 0.00	39.49 -0.48 0.00	36.71 -1.27 0.00	43.97 -2.13 0.00	54.40 -2.81 0.00	39.94 -1.81 0.00	33.45 -1.08 0.00	30.48 -0.42 0.00	29.52 -0.61 0.00	32.10 -0.70 0.00	32.09 -1.07 0.00	32.11 -1.00 0.00	34.05 -0.90 0.00	34.70 -0.76 0.00	41.55 -1.44 0.00	53.60 -3.62 0.00	78.76 -5.81 0.00	65.49 -5.14 0.00	49.51 -4.15 0.04	41.17 -3.29 0.66	40.97 -2.69 0.02
GELCKHM___115KV_LOAD 80723	44.05 -0.51 0.00	40.65 -0.41 0.00	36.76 -0.35 0.00	36.51 -0.36 0.00	39.58 -0.40 0.00	37.53 -0.44 0.00	45.50 -0.60 0.00	56.46 -0.74 0.00	41.16 -0.58 0.00	34.06 -0.47 0.00	30.54 -0.35 0.00	29.77 -0.36 0.00	32.38 -0.42 0.00	32.69 -0.47 0.00	32.65 -0.46 0.00	34.51 -0.44 0.00	35.01 -0.46 0.00	42.36 -0.62 0.00	56.26 -0.97 0.00	83.21 -1.36 0.00	69.35 -1.29 0.00	52.53 -1.17 0.00	44.10 -1.01 0.00	42.71 -0.96 0.00
GENERAL___MILLS 23808	43.43 -1.13 0.00	40.57 -0.48 0.00	36.72 -0.39 0.00	36.33 -0.54 0.00	39.40 -0.57 0.00	36.63 -1.35 0.00	43.88 -2.22 0.00	54.28 -2.92 0.00	39.85 -1.89 0.00	33.36 -1.17 0.00	30.39 -0.51 0.00	29.45 -0.69 0.00	32.02 -0.79 0.00	32.01 -1.15 0.00	32.03 -1.08 0.00	33.97 -0.99 0.00	34.60 -0.86 0.00	41.44 -1.55 0.00	53.44 -3.79 0.00	78.53 -6.04 0.00	65.31 -5.32 0.00	49.38 -4.28 0.04	41.04 -3.40 0.67	40.86 -2.80 0.02
GE_PLASTICS___DRP 24183	45.10 0.55 0.00	41.43 0.37 0.00	37.43 0.32 0.00	37.19 0.32 0.00	40.29 0.31 0.00	38.38 0.40 0.00	46.69 0.59 0.00	57.95 0.74 0.00	42.12 0.37 0.00	34.79 0.25 0.00	31.04 0.14 0.00	30.28 0.15 0.00	32.96 0.15 0.00	33.38 0.22 0.00	33.31 0.21 0.00	35.16 0.20 0.00	35.70 0.24 0.00	43.31 0.32 0.00	57.88 0.66 0.00	85.64 1.06 0.00	71.64 1.01 0.00	54.59 0.89 0.00	45.88 0.77 0.00	44.39 0.72 0.00
GILBOA___1 23756	45.21 0.65 0.00	41.54 0.48 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.40 0.42 0.00	38.46 0.48 0.00	46.76 0.66 0.00	57.98 0.77 0.00	42.26 0.52 0.00	34.93 0.39 0.00	31.19 0.29 0.00	30.46 0.33 0.00	33.31 0.50 0.00	33.71 0.56 0.00	33.66 0.55 0.00	35.37 0.42 0.00	35.84 0.38 0.00	43.49 0.51 0.00	57.80 0.57 0.00	85.37 0.79 0.00	71.42 0.78 0.00	54.52 0.82 0.00	45.87 0.76 0.00	44.37 0.69 0.00
GILBOA___2 23757	45.21 0.65 0.00	41.54 0.48 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.40 0.42 0.00	38.46 0.48 0.00	46.76 0.66 0.00	57.98 0.77 0.00	42.26 0.52 0.00	34.93 0.39 0.00	31.19 0.29 0.00	30.46 0.33 0.00	33.31 0.50 0.00	33.71 0.56 0.00	33.66 0.55 0.00	35.37 0.42 0.00	35.84 0.38 0.00	43.49 0.51 0.00	57.80 0.57 0.00	85.37 0.79 0.00	71.42 0.78 0.00	54.52 0.82 0.00	45.87 0.76 0.00	44.37 0.69 0.00



GILBOA___3 23758	45.21 0.65 0.00	41.54 0.48 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.40 0.42 0.00	38.46 0.48 0.00	46.76 0.66 0.00	57.98 0.77 0.00	42.26 0.52 0.00	34.93 0.39 0.00	31.19 0.29 0.00	30.46 0.33 0.00	33.31 0.50 0.00	33.71 0.56 0.00	33.66 0.55 0.00	35.37 0.42 0.00	35.84 0.38 0.00	43.49 0.51 0.00	57.80 0.57 0.00	85.37 0.79 0.00	71.42 0.78 0.00	54.52 0.82 0.00	45.87 0.76 0.00	44.37 0.69 0.00
GILBOA___4 23759	45.21 0.65 0.00	41.54 0.48 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.40 0.42 0.00	38.46 0.48 0.00	46.76 0.66 0.00	57.98 0.77 0.00	42.26 0.52 0.00	34.93 0.39 0.00	31.19 0.29 0.00	30.46 0.33 0.00	33.31 0.50 0.00	33.71 0.56 0.00	33.66 0.55 0.00	35.37 0.42 0.00	35.84 0.38 0.00	43.49 0.51 0.00	57.80 0.57 0.00	85.37 0.79 0.00	71.42 0.78 0.00	54.52 0.82 0.00	45.87 0.76 0.00	44.37 0.69 0.00
GILBOA___ 23599	45.20 0.64 0.00	41.54 0.48 0.00	37.49 0.38 0.00	37.26 0.39 0.00	40.40 0.42 0.00	38.46 0.48 0.00	46.76 0.66 0.00	57.98 0.77 0.00	42.26 0.52 0.00	34.93 0.39 0.00	31.19 0.29 0.00	30.46 0.33 0.00	33.31 0.51 0.00	33.72 0.56 0.00	33.66 0.55 0.00	35.37 0.41 0.00	35.84 0.38 0.00	43.48 0.50 0.00	57.80 0.57 0.00	85.37 0.79 0.00	71.42 0.78 0.00	54.52 0.82 0.00	45.87 0.75 0.00	44.37 0.70 0.00
GINNA___ 23603	41.89 -2.67 0.00	38.82 -2.24 0.00	35.14 -1.97 0.00	34.87 -2.00 0.00	37.82 -2.16 0.00	35.58 -2.40 0.00	42.92 -3.18 0.00	53.16 -4.04 0.00	38.80 -2.95 0.00	32.16 -2.38 0.00	29.01 -1.89 0.00	28.16 -1.97 0.00	30.57 -2.25 0.00	30.73 -2.43 0.00	30.77 -2.33 0.00	32.66 -2.30 0.00	33.36 -2.10 0.00	40.27 -2.72 0.00	52.85 -4.37 0.00	78.00 -6.57 0.00	64.93 -5.71 0.00	49.10 -4.58 0.02	41.34 -3.78 0.00	40.14 -3.53 0.00
GLEN PARK___ 23778	47.11 0.05 -2.51	43.61 0.17 -2.38	39.87 0.54 -2.23	38.79 0.82 -1.10	41.78 1.21 -0.59	38.99 1.01 0.00	47.40 1.29 0.00	58.97 1.76 0.00	42.51 0.76 0.00	34.36 -0.17 0.00	30.43 -0.47 0.00	29.55 -0.58 0.00	32.12 -0.69 0.00	32.38 -0.78 0.00	32.34 -0.76 0.00	34.21 -0.75 0.00	34.83 -0.63 0.00	43.14 0.15 0.00	59.26 2.04 0.00	88.70 4.12 0.00	74.10 3.47 0.00	55.89 2.19 0.00	46.49 1.38 0.00	44.58 0.90 0.00
GLENDALE_27_KV_LOAD 356172	46.69 2.13 0.00	42.72 1.67 0.00	38.44 1.33 0.00	38.20 1.32 0.00	41.43 1.45 0.00	39.53 1.55 0.00	48.14 2.03 0.00	59.76 2.55 0.00	43.66 1.91 0.00	36.12 1.58 0.00	32.93 1.41 -0.63	32.57 1.37 -1.07	34.17 1.36 -0.01	34.63 1.47 -0.01	34.66 1.55 -0.01	36.77 1.81 0.00	37.10 1.64 0.00	45.06 2.07 0.00	60.02 2.80 0.00	89.09 4.51 0.00	74.72 4.09 -0.01	56.78 3.08 -0.01	47.58 2.46 0.00	45.90 2.23 0.00
GLENWOOD_IC_1_G1 23712	46.53 1.96 0.00	42.40 1.35 0.00	38.15 1.05 0.00	37.91 1.04 0.00	41.23 1.25 0.00	39.45 1.47 0.00	48.16 2.06 0.00	59.52 2.31 0.00	43.39 1.65 0.00	35.86 1.32 0.00	32.01 1.12 0.00	31.11 0.99 0.00	33.77 0.96 0.00	34.23 1.07 0.00	34.38 1.27 0.00	36.86 1.90 0.00	37.02 1.56 0.00	45.12 2.09 -0.05	60.23 3.01 0.00	89.29 4.71 0.00	74.77 4.14 0.00	58.01 3.33 -0.98	51.25 2.76 -3.37	46.19 2.51 0.00
GLENWOOD_IC_2_G1 23688	46.44 1.88 0.00	42.33 1.27 0.00	38.10 0.99 0.00	37.84 0.97 0.00	41.16 1.18 0.00	39.38 1.40 0.00	48.07 1.97 0.00	59.40 2.20 0.00	43.31 1.56 0.00	35.79 1.26 0.00	31.96 1.06 0.00	31.06 0.93 0.00	33.71 0.90 0.00	34.17 1.02 0.00	34.32 1.22 0.00	36.78 1.82 0.00	36.94 1.48 0.00	45.00 1.99 -0.02	60.07 2.84 0.00	89.04 4.47 0.00	74.56 3.93 0.00	57.31 3.17 -0.44	49.24 2.62 -1.51	46.06 2.38 0.00
GLENWOOD_IC_3_G1 23689	46.44 1.88 0.00	42.33 1.27 0.00	38.10 0.99 0.00	37.84 0.97 0.00	41.16 1.18 0.00	39.38 1.40 0.00	48.07 1.97 0.00	59.40 2.20 0.00	43.31 1.56 0.00	35.79 1.26 0.00	31.96 1.06 0.00	31.06 0.93 0.00	33.71 0.90 0.00	34.17 1.02 0.00	34.32 1.22 0.00	36.78 1.82 0.00	36.94 1.48 0.00	45.00 1.99 -0.02	60.07 2.84 0.00	89.04 4.47 0.00	74.56 3.93 0.00	57.31 3.17 -0.44	49.24 2.62 -1.51	46.06 2.38 0.00
GLENWOOD___4 23550	46.53 1.96 0.00	42.40 1.35 0.00	38.15 1.05 0.00	37.91 1.04 0.00	41.23 1.25 0.00	39.45 1.47 0.00	48.16 2.06 0.00	59.52 2.31 0.00	43.39 1.65 0.00	35.86 1.32 0.00	32.01 1.12 0.00	31.11 0.99 0.00	33.77 0.96 0.00	34.23 1.07 0.00	34.38 1.27 0.00	36.86 1.90 0.00	37.02 1.56 0.00	45.12 2.09 -0.05	60.23 3.01 0.00	89.29 4.71 0.00	74.77 4.14 0.00	58.01 3.33 -0.98	51.25 2.76 -3.37	46.19 2.51 0.00
GLENWOOD___5 23614	46.53 1.96 0.00	42.40 1.35 0.00	38.15 1.05 0.00	37.91 1.04 0.00	41.23 1.25 0.00	39.45 1.47 0.00	48.16 2.06 0.00	59.52 2.31 0.00	43.39 1.65 0.00	35.86 1.32 0.00	32.01 1.12 0.00	31.11 0.99 0.00	33.77 0.96 0.00	34.23 1.07 0.00	34.38 1.27 0.00	36.86 1.90 0.00	37.02 1.56 0.00	45.12 2.09 -0.05	60.23 3.01 0.00	89.29 4.71 0.00	74.77 4.14 0.00	58.01 3.33 -0.98	51.25 2.76 -3.37	46.19 2.51 0.00
GLOBAL GREEN_PORT_GT1 23814	45.06 0.50 0.00	40.60 -0.45 0.00	36.56 -0.55 0.00	36.35 -0.52 0.00	39.61 -0.37 0.00	38.04 0.06 0.00	46.87 0.77 0.00	57.36 0.15 0.00	41.72 -0.03 0.00	11.82 -0.04 22.68	5.34 -0.18 25.38	6.92 -0.27 22.95	32.67 -0.14 0.00	33.27 0.12 0.00	33.53 0.42 0.00	36.22 1.27 0.00	36.11 0.65 0.00	44.23 1.23 -0.01	59.43 2.21 0.00	89.02 4.45 0.00	74.81 4.17 0.00	57.42 3.51 -0.21	48.99 3.14 -0.73	46.74 3.07 0.00
GLOBE___DSASP 323697	41.73 -2.84 0.00	39.03 -2.03 0.00	35.41 -1.70 0.00	35.00 -1.88 0.00	37.93 -2.05 0.00	35.18 -2.80 0.00	42.04 -4.06 0.00	51.89 -5.31 0.00	38.13 -3.62 0.00	32.04 -2.49 0.00	29.28 -1.62 0.00	28.37 -1.76 0.00	30.81 -2.00 0.00	30.77 -2.39 0.00	30.80 -2.31 0.00	32.64 -2.31 0.00	33.30 -2.16 0.00	39.62 -3.36 0.00	50.92 -6.31 0.00	74.84 -9.74 0.00	62.31 -8.33 0.00	47.26 -6.41 0.04	39.20 -5.04 0.87	39.33 -4.32 0.02
GOETHSLN___LBMP 323567	45.98 1.42 0.00	42.13 1.08 0.00	37.93 0.82 0.00	37.71 0.84 0.00	40.91 0.93 0.00	39.04 1.06 0.00	47.53 1.43 0.00	59.03 1.82 0.00	43.09 1.34 0.00	35.62 1.09 0.00	31.83 0.94 0.00	31.04 0.91 0.00	33.64 0.83 0.00	34.11 0.95 0.00	34.14 1.03 0.00	36.23 1.28 0.00	36.53 1.07 0.00	44.38 1.40 0.00	59.16 1.93 0.00	87.84 3.26 0.00	73.63 3.00 0.00	55.92 2.22 0.00	46.85 1.73 0.00	45.23 1.56 0.00
GOLAH___69_KV_TB 1_2 80279	43.83 -0.73 0.00	40.72 -0.33 0.00	36.86 -0.25 0.00	36.53 -0.34 0.00	39.61 -0.37 0.00	37.12 -0.86 0.00	44.68 -1.42 0.00	55.34 -1.87 0.00	40.44 -1.31 0.00	33.54 -0.99 0.00	30.33 -0.57 0.00	29.38 -0.75 0.00	31.91 -0.89 0.00	32.00 -1.16 0.00	32.03 -1.08 0.00	33.98 -0.98 0.00	34.73 -0.73 0.00	41.89 -1.09 0.00	54.81 -2.41 0.00	80.96 -3.62 0.00	67.42 -3.22 0.00	50.96 -2.71 0.02	42.78 -2.15 0.18	41.80 -1.87 0.00



GOODYEAR_LAKE_HYD 323669	45.95 1.39 0.00	42.40 1.35 0.00	38.29 1.18 0.00	38.05 1.18 0.00	41.31 1.33 0.00	39.28 1.31 0.00	47.69 1.59 0.00	59.21 2.00 0.00	43.21 1.46 0.00	35.68 1.15 0.00	31.95 1.06 0.00	31.16 1.03 0.00	33.96 1.15 0.00	34.26 1.11 0.00	34.23 1.12 0.00	36.15 1.19 0.00	36.71 1.25 0.00	44.78 1.80 0.00	59.42 2.20 0.00	87.79 3.21 0.00	73.22 2.59 0.00	55.47 1.77 0.00	46.45 1.33 0.00	44.87 1.19 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	44.36 -0.20 0.00	40.98 -0.08 0.00	36.95 -0.16 0.00	36.69 -0.18 0.00	39.86 -0.13 0.00	37.74 -0.23 0.00	45.67 -0.43 0.00	56.79 -0.42 0.00	41.48 -0.26 0.00	34.33 -0.20 0.00	30.79 -0.10 0.00	30.03 -0.10 0.00	32.74 -0.07 0.00	33.02 -0.14 0.00	32.97 -0.13 0.00	34.89 -0.06 0.00	35.33 -0.13 0.00	42.88 -0.11 0.00	56.61 -0.61 0.00	83.81 -0.77 0.00	69.77 -0.87 0.00	52.77 -0.91 0.02	44.29 -0.83 0.00	42.98 -0.69 0.00
GOUDEY___7 23579	44.36 -0.20 0.00	40.98 -0.08 0.00	36.95 -0.16 0.00	36.69 -0.18 0.00	39.86 -0.13 0.00	37.74 -0.23 0.00	45.67 -0.43 0.00	56.79 -0.42 0.00	41.48 -0.26 0.00	34.33 -0.20 0.00	30.79 -0.10 0.00	30.03 -0.10 0.00	32.74 -0.07 0.00	33.02 -0.14 0.00	32.97 -0.13 0.00	34.89 -0.06 0.00	35.33 -0.13 0.00	42.88 -0.11 0.00	56.61 -0.61 0.00	83.81 -0.77 0.00	69.77 -0.87 0.00	52.77 -0.91 0.02	44.29 -0.83 0.00	42.98 -0.69 0.00
GOUDEY___8 23580	44.36 -0.20 0.00	40.98 -0.08 0.00	36.95 -0.16 0.00	36.69 -0.18 0.00	39.86 -0.13 0.00	37.74 -0.23 0.00	45.67 -0.43 0.00	56.79 -0.42 0.00	41.48 -0.26 0.00	34.33 -0.20 0.00	30.79 -0.10 0.00	30.03 -0.10 0.00	32.74 -0.07 0.00	33.02 -0.14 0.00	32.97 -0.13 0.00	34.89 -0.06 0.00	35.33 -0.13 0.00	42.88 -0.11 0.00	56.61 -0.61 0.00	83.81 -0.77 0.00	69.77 -0.87 0.00	52.77 -0.91 0.02	44.29 -0.83 0.00	42.98 -0.69 0.00
GOWANUS_GT1_1 24077	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT1_2 24078	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT1_3 24079	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT1_4 24080	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT1_5 24084	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT1_6 24111	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT1_7 24112	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT1_8 24113	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT2_1 24114	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT2_2 24115	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT2_3 24116	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19



GOWANUS_GT2_4 24117	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT2_5 24118	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT2_6 24119	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT2_7 24120	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT2_8 24121	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT3_1 24122	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT3_2 24123	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT3_3 24124	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT3_4 24125	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT3_5 24126	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT3_6 24127	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT3_7 24128	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT3_8 24129	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
GOWANUS_GT4_1 24130	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT4_2 24131	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19



GOWANUS_GT4_3 24132	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT4_4 24133	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT4_5 24134	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT4_6 24135	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT4_7 24136	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GOWANUS_GT4_8 24137	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GREENBSH_115KV_TB3 55895	44.97 0.41 0.00	41.28 0.22 0.00	37.31 0.20 0.00	37.07 0.20 0.00	40.14 0.17 0.00	38.25 0.27 0.00	46.55 0.45 0.00	57.80 0.59 0.00	41.97 0.23 0.00	34.69 0.15 0.00	30.93 0.04 0.00	30.19 0.06 0.00	32.84 0.03 0.00	33.27 0.11 0.00	33.19 0.09 0.00	35.04 0.08 0.00	35.61 0.15 0.00	43.17 0.18 0.00	57.74 0.52 0.00	85.42 0.84 0.00	71.49 0.86 0.00	54.48 0.78 0.00	45.81 0.69 0.00	44.31 0.63 0.00
GREENDGE_115KV_TB5 80291	44.11 -0.45 0.00	40.95 -0.11 0.00	36.95 -0.16 0.00	36.68 -0.19 0.00	39.90 -0.08 0.00	37.64 -0.34 0.00	45.58 -0.52 0.00	56.68 -0.53 0.00	41.42 -0.32 0.00	34.13 -0.40 0.00	30.46 -0.44 0.00	29.54 -0.59 0.00	32.12 -0.69 0.00	32.33 -0.82 0.00	32.33 -0.78 0.00	34.31 -0.65 0.00	35.01 -0.45 0.00	42.68 -0.30 0.00	56.22 -1.00 0.00	82.87 -1.71 0.00	68.80 -1.83 0.00	51.96 -1.63 0.11	45.28 -1.45 -1.62	42.44 -1.28 -0.04
GREENIDGE___3 23582	44.11 -0.45 0.00	40.95 -0.11 0.00	36.95 -0.16 0.00	36.68 -0.19 0.00	39.90 -0.08 0.00	37.64 -0.34 0.00	45.58 -0.52 0.00	56.68 -0.53 0.00	41.42 -0.32 0.00	34.13 -0.40 0.00	30.46 -0.44 0.00	29.54 -0.59 0.00	32.12 -0.69 0.00	32.33 -0.82 0.00	32.33 -0.78 0.00	34.31 -0.65 0.00	35.01 -0.45 0.00	42.68 -0.30 0.00	56.22 -1.00 0.00	82.87 -1.71 0.00	68.80 -1.83 0.00	51.96 -1.63 0.11	45.28 -1.45 -1.62	42.44 -1.28 -0.04
GREENIDGE___4 23583	44.11 -0.45 0.00	40.95 -0.11 0.00	36.95 -0.16 0.00	36.68 -0.19 0.00	39.90 -0.08 0.00	37.64 -0.34 0.00	45.58 -0.52 0.00	56.67 -0.53 0.00	41.42 -0.33 0.00	34.13 -0.40 0.00	30.46 -0.43 0.00	29.54 -0.60 0.00	32.12 -0.69 0.00	32.33 -0.83 0.00	32.33 -0.78 0.00	34.31 -0.65 0.00	35.01 -0.45 0.00	42.68 -0.30 0.00	56.23 -0.99 0.00	82.86 -1.72 0.00	68.80 -1.83 0.00	51.97 -1.62 0.11	45.28 -1.45 -1.62	42.45 -1.28 -0.04
GREENLWN_69_KV_BK 3 55738	46.21 1.65 0.00	42.03 0.98 0.00	37.81 0.70 0.00	37.56 0.69 0.00	40.85 0.87 0.00	39.02 1.05 0.00	47.69 1.59 0.00	58.77 1.56 0.00	42.81 1.07 0.00	35.44 0.91 0.00	31.65 0.75 0.00	30.72 0.58 0.00	33.34 0.53 0.00	33.80 0.64 0.00	34.00 0.89 0.00	36.60 1.65 0.00	36.69 1.23 0.00	44.70 1.71 -0.01	59.72 2.49 0.00	88.35 3.77 0.00	73.86 3.23 0.00	56.81 2.86 -0.25	48.45 2.46 -0.87	45.92 2.24 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19
GRISSOM___SOLAR 323813	46.80 2.24 0.00	43.16 2.10 0.00	38.98 1.87 0.00	38.73 1.86 0.00	42.04 2.06 0.00	40.01 2.03 0.00	48.60 2.50 0.00	60.14 2.93 0.00	42.85 1.11 0.00	34.65 0.11 0.00	30.79 -0.10 0.00	30.00 -0.13 0.00	32.64 -0.17 0.00	32.96 -0.19 0.00	32.88 -0.23 0.00	34.78 -0.17 0.00	35.69 0.23 0.00	44.31 1.33 0.00	60.26 3.03 0.00	89.62 5.04 0.00	74.85 4.22 0.00	56.75 3.05 0.00	47.51 2.40 0.00	45.86 2.18 0.00
GROVEVILLE___HYD 323602	46.37 1.81 0.00	42.51 1.45 0.00	38.30 1.19 0.00	38.07 1.20 0.00	41.31 1.33 0.00	39.41 1.43 0.00	48.01 1.90 0.00	59.63 2.42 0.00	43.42 1.68 0.00	35.82 1.29 0.00	31.96 1.06 0.00	31.13 1.01 0.00	33.80 0.99 0.00	34.23 1.08 0.00	34.25 1.14 0.00	36.32 1.36 0.00	36.76 1.30 0.00	44.69 1.71 0.00	59.72 2.50 0.00	88.66 4.08 0.00	74.23 3.60 0.00	56.38 2.68 0.00	47.22 2.11 0.00	45.59 1.92 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	44.36 -0.20 0.00	40.93 -0.12 0.00	37.01 -0.10 0.00	36.77 -0.10 0.00	39.85 -0.13 0.00	37.81 -0.17 0.00	45.83 -0.27 0.00	56.89 -0.32 0.00	41.46 -0.28 0.00	34.28 -0.25 0.00	30.71 -0.18 0.00	29.92 -0.21 0.00	32.57 -0.24 0.00	32.87 -0.29 0.00	32.85 -0.26 0.00	34.72 -0.23 0.00	35.25 -0.21 0.00	42.69 -0.29 0.00	56.69 -0.53 0.00	83.85 -0.73 0.00	69.86 -0.77 0.00	52.90 -0.80 0.00	44.41 -0.71 0.00	43.00 -0.67 0.00



HAMLTNNY_34_KV_TB 80303	44.38 -0.18 0.00	40.99 -0.06 0.00	37.06 -0.05 0.00	36.82 -0.05 0.00	39.88 -0.10 0.00	37.83 -0.15 0.00	45.88 -0.23 0.00	56.94 -0.27 0.00	41.50 -0.25 0.00	34.23 -0.31 0.00	30.66 -0.24 0.00	29.83 -0.30 0.00	32.49 -0.32 0.00	32.77 -0.38 0.00	32.78 -0.32 0.00	34.67 -0.29 0.00	35.24 -0.22 0.00	42.71 -0.28 0.00	56.72 -0.51 0.00	83.86 -0.72 0.00	69.85 -0.78 0.00	52.88 -0.82 0.00	44.40 -0.72 0.00	43.00 -0.68 0.00
HAMPSHIRE___PAPER_HYD 323593	50.26 -0.89 -6.59	46.63 -0.69 -6.26	42.57 -0.39 -5.85	39.53 -0.23 -2.89	41.49 -0.05 -1.56	37.86 -0.12 0.00	45.98 -0.12 0.00	57.27 0.06 0.00	41.67 -0.08 0.00	34.07 -0.46 0.00	30.35 -0.55 0.00	29.56 -0.57 0.00	32.19 -0.62 0.00	32.48 -0.68 0.00	32.38 -0.73 0.00	34.14 -0.81 0.00	34.77 -0.69 0.00	42.62 -0.36 0.00	57.56 0.34 0.00	85.53 0.95 0.00	71.47 0.84 0.00	54.33 0.63 0.00	45.42 0.31 0.00	43.72 0.05 0.00
HARDSCRABBLE_WT_PWR 323673	43.79 -0.77 0.00	40.24 -0.82 0.00	36.23 -0.88 0.00	36.00 -0.87 0.00	39.07 -0.91 0.00	37.39 -0.59 0.00	45.75 -0.35 0.00	56.82 -0.39 0.00	40.88 -0.86 0.00	33.42 -1.11 0.00	29.74 -1.16 0.00	29.02 -1.11 0.00	31.57 -1.24 0.00	31.91 -1.25 0.00	31.85 -1.25 0.00	33.65 -1.30 0.00	34.39 -1.07 0.00	42.33 -0.65 0.00	57.26 0.04 0.00	85.09 0.52 0.00	71.14 0.51 0.00	53.99 0.29 0.00	45.19 0.07 0.00	43.41 -0.27 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	45.93 1.37 0.00	42.14 1.08 0.00	37.97 0.86 0.00	37.75 0.87 0.00	40.97 0.99 0.00	39.07 1.09 0.00	47.55 1.45 0.00	59.07 1.86 0.00	43.04 1.30 0.00	35.52 0.98 0.00	31.66 0.77 0.00	30.88 0.74 0.00	33.52 0.71 0.00	33.96 0.81 0.00	34.00 0.89 0.00	36.06 1.10 0.00	36.43 0.97 0.00	44.32 1.33 0.00	59.14 1.92 0.00	87.83 3.26 0.00	73.55 2.92 0.00	55.80 2.10 0.00	46.73 1.62 0.00	45.15 1.47 0.00
HARSNRAD_115KV_TB1 81005	42.31 -2.24 0.00	39.57 -1.48 0.00	35.87 -1.24 0.00	35.45 -1.42 0.00	38.46 -1.52 0.00	35.72 -2.26 0.00	42.76 -3.35 0.00	52.84 -4.37 0.00	38.81 -2.93 0.00	32.50 -2.04 0.00	29.63 -1.27 0.00	28.67 -1.46 0.00	31.16 -1.65 0.00	31.11 -2.04 0.00	31.14 -1.97 0.00	33.00 -1.96 0.00	33.72 -1.74 0.00	40.26 -2.72 0.00	51.96 -5.27 0.00	76.32 -8.26 0.00	63.52 -7.11 0.00	48.11 -5.55 0.04	39.63 -4.38 1.10	39.92 -3.73 0.03
HARZA MOOSE___RIVER 24016	46.38 -0.03 -1.84	42.81 0.00 -1.75	38.94 0.19 -1.64	38.06 0.38 -0.81	41.05 0.63 -0.44	38.57 0.59 0.00	46.86 0.76 0.00	58.30 1.10 0.00	42.32 0.57 0.00	34.70 0.17 0.00	30.91 0.02 0.00	30.10 -0.03 0.00	32.74 -0.06 0.00	33.06 -0.10 0.00	33.00 -0.11 0.00	34.89 -0.07 0.00	35.51 0.05 0.00	43.54 0.56 0.00	58.70 1.48 0.00	87.21 2.63 0.00	72.81 2.17 0.00	55.11 1.41 0.00	46.03 0.92 0.00	44.23 0.55 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	44.09 -0.46 0.00	40.67 -0.38 0.00	36.77 -0.34 0.00	36.53 -0.34 0.00	39.61 -0.37 0.00	37.56 -0.42 0.00	45.51 -0.59 0.00	56.49 -0.72 0.00	41.18 -0.56 0.00	34.09 -0.44 0.00	30.57 -0.32 0.00	29.79 -0.33 0.00	32.42 -0.39 0.00	32.72 -0.44 0.00	32.68 -0.42 0.00	34.55 -0.41 0.00	35.04 -0.42 0.00	42.40 -0.59 0.00	56.28 -0.94 0.00	83.24 -1.34 0.00	69.38 -1.25 0.00	52.54 -1.16 0.00	44.10 -1.01 0.00	42.72 -0.96 0.00
HELLGATE_13_KV_LD 55870	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.30 1.32 0.00	39.41 1.44 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.52 1.78 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.97 1.50 0.00	44.88 1.89 0.00	59.80 2.58 0.00	88.75 4.17 0.00	74.45 3.81 -0.01	56.58 2.87 -0.01	47.41 2.29 0.00	45.74 2.06 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.30 1.32 0.00	39.41 1.44 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.52 1.78 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.97 1.50 0.00	44.88 1.89 0.00	59.80 2.58 0.00	88.75 4.17 0.00	74.45 3.81 -0.01	56.58 2.87 -0.01	47.41 2.29 0.00	45.74 2.06 0.00
HEMPSTEAD____ 23647	46.26 1.70 0.00	42.16 1.10 0.00	37.94 0.83 0.00	37.68 0.81 0.00	40.99 1.01 0.00	39.21 1.23 0.00	47.88 1.78 0.00	59.13 1.92 0.00	43.10 1.36 0.00	35.62 1.08 0.00	31.80 0.90 0.00	30.89 0.76 0.00	33.53 0.72 0.00	33.99 0.83 0.00	34.14 1.04 0.00	36.64 1.69 0.00	36.79 1.33 0.00	44.85 1.81 -0.05	59.86 2.64 0.00	88.72 4.14 0.00	74.36 3.73 0.00	57.89 3.06 -1.13	51.54 2.53 -3.90	46.00 2.32 0.00
HEWLETT_69_KV_BK3 55828	46.77 2.21 0.00	42.62 1.57 0.00	38.35 1.24 0.00	38.10 1.23 0.00	41.45 1.47 0.00	39.65 1.67 0.00	48.37 2.27 0.00	59.75 2.55 0.00	43.56 1.82 0.00	36.02 1.48 0.00	32.17 1.28 0.00	31.26 1.13 0.00	33.93 1.12 0.00	34.38 1.23 0.00	34.51 1.41 0.00	36.99 2.03 0.00	37.17 1.71 0.00	45.43 2.28 -0.17	60.49 3.27 0.00	89.68 5.11 0.00	75.05 4.42 0.00	60.86 3.51 -3.65	60.55 2.86 -12.57	46.32 2.64 -0.01
HICKLING___1 23621	43.71 -0.85 0.00	40.59 -0.46 0.00	36.55 -0.56 0.00	36.26 -0.61 0.00	39.54 -0.44 0.00	37.28 -0.70 0.00	45.05 -1.05 0.00	56.14 -1.07 0.00	41.08 -0.67 0.00	34.02 -0.52 0.00	30.53 -0.36 0.00	29.68 -0.45 0.00	32.32 -0.49 0.00	32.53 -0.62 0.00	32.49 -0.61 0.00	34.54 -0.42 0.00	35.01 -0.45 0.00	42.58 -0.41 0.00	55.75 -1.48 0.00	82.34 -2.24 0.00	68.25 -2.38 0.00	51.28 -2.31 0.10	43.56 -2.09 -0.54	41.95 -1.74 -0.01
HICKLING___2 23622	43.71 -0.85 0.00	40.59 -0.46 0.00	36.55 -0.56 0.00	36.26 -0.61 0.00	39.54 -0.44 0.00	37.28 -0.70 0.00	45.05 -1.05 0.00	56.14 -1.07 0.00	41.08 -0.67 0.00	34.02 -0.52 0.00	30.53 -0.36 0.00	29.68 -0.45 0.00	32.32 -0.49 0.00	32.53 -0.62 0.00	32.49 -0.61 0.00	34.54 -0.42 0.00	35.01 -0.45 0.00	42.58 -0.41 0.00	55.75 -1.48 0.00	82.34 -2.24 0.00	68.25 -2.38 0.00	51.28 -2.31 0.10	43.56 -2.09 -0.54	41.95 -1.74 -0.01
HIGH FALLS___HY 23754	46.44 1.88 0.00	42.60 1.55 0.00	38.40 1.30 0.00	38.17 1.31 0.00	41.43 1.46 0.00	39.53 1.55 0.00	48.12 2.02 0.00	59.82 2.61 0.00	43.59 1.85 0.00	35.89 1.35 0.00	31.91 1.01 0.00	31.03 0.90 0.00	33.66 0.85 0.00	34.06 0.91 0.00	34.09 0.98 0.00	36.13 1.18 0.00	36.60 1.14 0.00	44.66 1.67 0.00	59.70 2.47 0.00	88.80 4.23 0.00	74.39 3.76 0.00	56.47 2.77 0.00	47.25 2.14 0.00	45.61 1.93 0.00
HIGH_RIVER___SOLAR 323847	45.97 1.41 0.00	42.31 1.25 0.00	38.22 1.11 0.00	37.98 1.11 0.00	41.19 1.21 0.00	39.20 1.22 0.00	47.64 1.54 0.00	59.04 1.84 0.00	42.53 0.79 0.00	34.65 0.11 0.00	30.77 -0.13 0.00	30.00 -0.13 0.00	32.66 -0.15 0.00	33.01 -0.14 0.00	32.96 -0.15 0.00	34.83 -0.13 0.00	35.55 0.09 0.00	43.72 0.74 0.00	59.02 1.79 0.00	87.64 3.06 0.00	73.27 2.63 0.00	55.65 1.95 0.00	46.68 1.56 0.00	45.12 1.44 0.00



HILLBURN___GT 23639	45.77 1.21 0.00	42.00 0.94 0.00	37.84 0.73 0.00	37.62 0.75 0.00	40.83 0.85 0.00	38.94 0.97 0.00	47.40 1.30 0.00	58.89 1.68 0.00	42.93 1.18 0.00	35.44 0.91 0.00	31.60 0.70 0.00	30.82 0.69 0.00	33.45 0.64 0.00	33.91 0.75 0.00	33.96 0.85 0.00	36.03 1.07 0.00	36.32 0.86 0.00	44.16 1.17 0.00	58.89 1.67 0.00	87.51 2.94 0.00	73.32 2.68 0.00	55.59 1.89 0.00	46.56 1.45 0.00	45.00 1.33 0.00
HILLSIDE_115KV_TB1 80332	43.41 -1.15 0.00	40.21 -0.84 0.00	36.20 -0.92 0.00	35.93 -0.94 0.00	39.12 -0.86 0.00	36.93 -1.05 0.00	44.59 -1.51 0.00	55.53 -1.67 0.00	40.63 -1.11 0.00	33.69 -0.85 0.00	30.27 -0.63 0.00	29.50 -0.63 0.00	32.14 -0.67 0.00	32.39 -0.77 0.00	32.33 -0.78 0.00	34.30 -0.65 0.00	34.66 -0.80 0.00	42.10 -0.88 0.00	55.16 -2.07 0.00	81.64 -2.93 0.00	67.68 -2.95 0.00	50.97 -2.64 0.10	43.30 -2.29 -0.48	41.74 -1.95 -0.01
HISHELDN_WT_PWR 323625	42.07 -2.49 0.00	39.40 -1.65 0.00	35.64 -1.47 0.00	35.30 -1.58 0.00	38.44 -1.54 0.00	35.90 -2.08 0.00	43.29 -2.82 0.00	53.74 -3.46 0.00	39.46 -2.28 0.00	32.83 -1.71 0.00	29.68 -1.21 0.00	28.65 -1.48 0.00	31.13 -1.68 0.00	31.22 -1.94 0.00	31.25 -1.86 0.00	33.24 -1.72 0.00	33.95 -1.51 0.00	40.92 -2.06 0.00	53.09 -4.14 0.00	77.77 -6.80 0.00	64.45 -6.18 0.00	48.32 -5.30 0.08	35.15 -4.51 5.46	39.58 -3.95 0.14
HOLTSVILLE_IC_1 23690	46.17 1.61 0.00	41.81 0.76 0.00	37.62 0.51 0.00	37.38 0.51 0.00	40.69 0.71 0.00	38.95 0.97 0.00	47.76 1.65 0.00	58.63 1.42 0.00	42.70 0.96 0.00	33.76 0.75 1.53	29.71 0.55 1.74	28.92 0.36 1.57	33.12 0.31 0.00	33.56 0.41 0.00	33.83 0.72 0.00	36.55 1.60 0.00	36.55 1.09 0.00	44.53 1.54 -0.01	59.63 2.41 0.00	88.50 3.92 0.00	74.01 3.38 0.00	56.83 2.92 -0.21	48.34 2.50 -0.72	45.92 2.24 0.00
HOLTSVILLE_IC_10 23699	46.37 1.81 0.00	41.97 0.91 0.00	37.77 0.66 0.00	37.51 0.64 0.00	40.84 0.86 0.00	39.09 1.11 0.00	47.96 1.86 0.00	58.86 1.65 0.00	42.85 1.11 0.00	44.82 0.86 -9.43	42.06 0.63 -10.53	40.07 0.42 -9.52	33.18 0.37 0.00	33.62 0.46 0.00	33.90 0.79 0.00	36.65 1.70 0.00	36.65 1.19 0.00	44.70 1.71 -0.01	59.90 2.67 0.00	88.92 4.34 0.00	74.37 3.73 0.00	57.10 3.17 -0.23	48.59 2.69 -0.78	46.08 2.40 0.00
HOLTSVILLE_IC_2 23691	46.17 1.61 0.00	41.81 0.76 0.00	37.62 0.51 0.00	37.38 0.51 0.00	40.69 0.71 0.00	38.95 0.97 0.00	47.76 1.65 0.00	58.63 1.42 0.00	42.70 0.96 0.00	33.76 0.75 1.53	29.71 0.55 1.74	28.92 0.36 1.57	33.12 0.31 0.00	33.56 0.41 0.00	33.83 0.72 0.00	36.55 1.60 0.00	36.55 1.09 0.00	44.53 1.54 -0.01	59.63 2.41 0.00	88.50 3.92 0.00	74.01 3.38 0.00	56.83 2.92 -0.21	48.34 2.50 -0.72	45.92 2.24 0.00
HOLTSVILLE_IC_3 23692	46.17 1.61 0.00	41.81 0.76 0.00	37.62 0.51 0.00	37.38 0.51 0.00	40.69 0.71 0.00	38.95 0.97 0.00	47.76 1.65 0.00	58.63 1.42 0.00	42.70 0.96 0.00	33.76 0.75 1.53	29.71 0.55 1.74	28.92 0.36 1.57	33.12 0.31 0.00	33.56 0.41 0.00	33.83 0.72 0.00	36.55 1.60 0.00	36.55 1.09 0.00	44.53 1.54 -0.01	59.63 2.41 0.00	88.50 3.92 0.00	74.01 3.38 0.00	56.83 2.92 -0.21	48.34 2.50 -0.72	45.92 2.24 0.00
HOLTSVILLE_IC_4 23693	46.17 1.61 0.00	41.81 0.76 0.00	37.62 0.51 0.00	37.38 0.51 0.00	40.69 0.71 0.00	38.95 0.97 0.00	47.76 1.65 0.00	58.63 1.42 0.00	42.70 0.96 0.00	33.76 0.75 1.53	29.71 0.55 1.74	28.92 0.36 1.57	33.12 0.31 0.00	33.56 0.41 0.00	33.83 0.72 0.00	36.55 1.60 0.00	36.55 1.09 0.00	44.53 1.54 -0.01	59.63 2.41 0.00	88.50 3.92 0.00	74.01 3.38 0.00	56.83 2.92 -0.21	48.34 2.50 -0.72	45.92 2.24 0.00
HOLTSVILLE_IC_5 23694	46.17 1.61 0.00	41.81 0.76 0.00	37.62 0.51 0.00	37.38 0.51 0.00	40.69 0.71 0.00	38.95 0.97 0.00	47.76 1.65 0.00	58.63 1.42 0.00	42.70 0.96 0.00	33.76 0.75 1.53	29.71 0.55 1.74	28.92 0.36 1.57	33.12 0.31 0.00	33.56 0.41 0.00	33.83 0.72 0.00	36.55 1.60 0.00	36.55 1.09 0.00	44.53 1.54 -0.01	59.63 2.41 0.00	88.50 3.92 0.00	74.01 3.38 0.00	56.83 2.92 -0.21	48.34 2.50 -0.72	45.92 2.24 0.00
HOLTSVILLE_IC_6 23695	46.37 1.81 0.00	41.97 0.91 0.00	37.77 0.66 0.00	37.51 0.64 0.00	40.84 0.86 0.00	39.09 1.11 0.00	47.96 1.86 0.00	58.86 1.65 0.00	42.85 1.11 0.00	44.82 0.86 -9.43	42.06 0.63 -10.53	40.07 0.42 -9.52	33.18 0.37 0.00	33.62 0.46 0.00	33.90 0.79 0.00	36.65 1.70 0.00	36.65 1.19 0.00	44.70 1.71 -0.01	59.90 2.67 0.00	88.92 4.34 0.00	74.37 3.73 0.00	57.10 3.17 -0.23	48.59 2.69 -0.78	46.08 2.40 0.00
HOLTSVILLE_IC_7 23696	46.37 1.81 0.00	41.97 0.91 0.00	37.77 0.66 0.00	37.51 0.64 0.00	40.84 0.86 0.00	39.09 1.11 0.00	47.96 1.86 0.00	58.86 1.65 0.00	42.85 1.11 0.00	44.82 0.86 -9.43	42.06 0.63 -10.53	40.07 0.42 -9.52	33.18 0.37 0.00	33.62 0.46 0.00	33.90 0.79 0.00	36.65 1.70 0.00	36.65 1.19 0.00	44.70 1.71 -0.01	59.90 2.67 0.00	88.92 4.34 0.00	74.37 3.73 0.00	57.10 3.17 -0.23	48.59 2.69 -0.78	46.08 2.40 0.00
HOLTSVILLE_IC_8 23697	46.37 1.81 0.00	41.97 0.91 0.00	37.77 0.66 0.00	37.51 0.64 0.00	40.84 0.86 0.00	39.09 1.11 0.00	47.96 1.86 0.00	58.86 1.65 0.00	42.85 1.11 0.00	44.82 0.86 -9.43	42.06 0.63 -10.53	40.07 0.42 -9.52	33.18 0.37 0.00	33.62 0.46 0.00	33.90 0.79 0.00	36.65 1.70 0.00	36.65 1.19 0.00	44.70 1.71 -0.01	59.90 2.67 0.00	88.92 4.34 0.00	74.37 3.73 0.00	57.10 3.17 -0.23	48.59 2.69 -0.78	46.08 2.40 0.00
HOLTSVILLE_IC_9 23698	46.37 1.81 0.00	41.97 0.91 0.00	37.77 0.66 0.00	37.51 0.64 0.00	40.84 0.86 0.00	39.09 1.11 0.00	47.96 1.86 0.00	58.86 1.65 0.00	42.85 1.11 0.00	44.82 0.86 -9.43	42.06 0.63 -10.53	40.07 0.42 -9.52	33.18 0.37 0.00	33.62 0.46 0.00	33.90 0.79 0.00	36.65 1.70 0.00	36.65 1.19 0.00	44.70 1.71 -0.01	59.90 2.67 0.00	88.92 4.34 0.00	74.37 3.73 0.00	57.10 3.17 -0.23	48.59 2.69 -0.78	46.08 2.40 0.00
HOMER_HL_115KV_TB2 355744	44.31 -0.25 0.00	41.40 0.34 0.00	37.33 0.22 0.00	37.03 0.16 0.00	40.26 0.28 0.00	37.44 -0.54 0.00	44.78 -1.33 0.00	55.72 -1.48 0.00	40.88 -0.86 0.00	34.06 -0.47 0.00	30.91 0.02 0.00	30.18 0.05 0.00	33.00 0.19 0.00	33.08 -0.08 0.00	33.08 -0.03 0.00	35.14 0.18 0.00	35.44 -0.02 0.00	42.67 -0.31 0.00	54.98 -2.24 0.00	81.14 -3.43 0.00	67.29 -3.35 0.00	50.50 -3.15 0.05	42.59 -2.53 0.00	41.63 -2.04 0.00
HOWARD_WT_PWR 323690	42.00 -2.56 0.00	39.70 -1.35 0.00	35.80 -1.31 0.00	35.42 -1.45 0.00	38.87 -1.11 0.00	36.34 -1.64 0.00	44.38 -1.73 0.00	55.60 -1.60 0.00	40.90 -0.84 0.00	33.90 -0.64 0.00	30.40 -0.49 0.00	29.26 -0.87 0.00	31.81 -1.00 0.00	31.96 -1.20 0.00	31.97 -1.14 0.00	34.07 -0.88 0.00	34.83 -0.63 0.00	42.33 -0.66 0.00	55.32 -1.90 0.00	81.04 -3.53 0.00	66.55 -4.08 0.00	49.63 -3.98 0.09	45.11 -3.48 0.00	40.58 -3.19 -0.09



HQ_GEN_CEDARS 23644	48.00 0.27 -3.18	44.48 0.41 -3.02	40.37 0.43 -2.82	38.68 0.42 -1.39	41.21 0.48 -0.75	38.36 0.38 0.00	46.48 0.38 0.00	57.66 0.45 0.00	42.28 0.54 0.00	34.96 0.43 0.00	31.29 0.39 0.00	30.53 0.40 0.00	33.29 0.48 0.00	33.60 0.45 0.00	33.50 0.39 0.00	35.28 0.33 0.00	35.88 0.42 0.00	43.59 0.60 0.00	58.07 0.85 0.00	85.68 1.11 0.00	71.58 0.95 0.00	54.62 0.92 0.00	45.91 0.79 0.00	44.50 0.82 0.00
HQ_GEN_CEDARS_PROXY 323590	47.99 0.26 -3.18	44.48 0.40 -3.02	40.37 0.43 -2.82	38.68 0.42 -1.39	41.21 0.48 -0.75	38.36 0.38 0.00	46.48 0.38 0.00	57.66 0.45 0.00	42.28 0.54 0.00	34.96 0.43 0.00	31.29 0.39 0.00	30.53 0.40 0.00	33.29 0.48 0.00	33.60 0.45 0.00	33.50 0.39 0.00	35.28 0.32 0.00	35.88 0.42 0.00	43.59 0.60 0.00	58.07 0.85 0.00	85.68 1.10 0.00	71.58 0.95 0.00	54.63 0.92 0.00	45.91 0.79 0.00	44.50 0.82 0.00
HQ_GEN_IMPORT 323601	44.72 0.16 0.00	41.29 0.24 0.00	37.34 0.23 0.00	37.10 0.23 0.00	40.24 0.26 0.00	38.17 0.20 0.00	46.30 0.20 0.00	57.43 0.22 0.00	41.86 0.31 0.20	34.83 0.29 0.00	31.17 0.27 0.00	30.41 0.28 0.00	33.14 0.33 0.00	33.48 0.32 0.00	33.40 0.29 0.00	35.73 0.27 -0.51	34.18 0.32 1.60	43.39 0.41 0.00	57.74 0.51 0.00	85.16 0.59 0.00	71.12 0.49 0.00	54.19 0.48 0.00	45.56 0.44 0.00	44.14 0.47 0.00
HQ_GEN_WHEEL 23651	44.72 0.16 0.00	41.29 0.24 0.00	37.34 0.23 0.00	37.10 0.23 0.00	40.24 0.26 0.00	38.17 0.20 0.00	46.30 0.20 0.00	57.43 0.22 0.00	41.86 0.31 0.20	34.83 0.29 0.00	31.17 0.27 0.00	30.41 0.28 0.00	33.14 0.33 0.00	33.48 0.32 0.00	33.40 0.29 0.00	35.73 0.27 -0.51	34.18 0.32 1.60	43.39 0.41 0.00	57.74 0.51 0.00	85.16 0.59 0.00	71.12 0.49 0.00	54.19 0.48 0.00	45.56 0.44 0.00	44.14 0.47 0.00
HUDSON AVE_GT_3 23810	46.37 1.81 0.00	42.47 1.41 0.00	38.23 1.12 0.00	37.99 1.11 0.00	41.21 1.23 0.00	39.31 1.34 0.00	47.90 1.80 0.00	59.46 2.26 0.00	43.41 1.66 0.00	35.91 1.37 0.00	32.10 1.20 0.00	31.29 1.16 0.00	33.94 1.13 0.00	34.40 1.24 0.00	34.43 1.32 0.00	36.53 1.58 0.00	36.86 1.40 0.00	44.77 1.79 0.00	59.67 2.45 0.00	88.56 3.99 0.00	74.23 3.59 0.00	56.40 2.70 0.00	47.26 2.14 0.00	45.61 1.93 0.00
HUDSON AVE_GT_4 23540	46.37 1.81 0.00	42.47 1.41 0.00	38.23 1.12 0.00	37.99 1.11 0.00	41.21 1.23 0.00	39.31 1.34 0.00	47.90 1.80 0.00	59.46 2.26 0.00	43.41 1.66 0.00	35.91 1.37 0.00	32.10 1.20 0.00	31.29 1.16 0.00	33.94 1.13 0.00	34.40 1.24 0.00	34.43 1.32 0.00	36.53 1.58 0.00	36.86 1.40 0.00	44.77 1.79 0.00	59.67 2.45 0.00	88.56 3.99 0.00	74.23 3.59 0.00	56.40 2.70 0.00	47.26 2.14 0.00	45.61 1.93 0.00
HUDSON AVE_GT_5 23657	46.37 1.81 0.00	42.47 1.41 0.00	38.23 1.12 0.00	37.99 1.11 0.00	41.21 1.23 0.00	39.31 1.34 0.00	47.90 1.80 0.00	59.46 2.26 0.00	43.41 1.66 0.00	35.91 1.37 0.00	32.10 1.20 0.00	31.29 1.16 0.00	33.94 1.13 0.00	34.40 1.24 0.00	34.43 1.32 0.00	36.53 1.58 0.00	36.86 1.40 0.00	44.77 1.79 0.00	59.67 2.45 0.00	88.56 3.99 0.00	74.23 3.59 0.00	56.40 2.70 0.00	47.26 2.14 0.00	45.61 1.93 0.00
HUDSON_AVE_10 24168	46.28 1.72 0.00	42.40 1.34 0.00	38.16 1.06 0.00	37.92 1.06 0.00	41.13 1.15 0.00	39.23 1.25 0.00	47.78 1.68 0.00	59.35 2.15 0.00	43.34 1.59 0.00	35.82 1.29 0.00	32.04 1.14 0.00	31.23 1.10 0.00	33.88 1.07 0.00	34.32 1.17 0.00	34.35 1.24 0.00	36.42 1.47 0.00	36.78 1.32 0.00	44.66 1.68 0.00	59.52 2.29 0.00	88.35 3.78 0.00	74.07 3.44 0.00	56.28 2.58 0.00	47.16 2.05 0.00	45.52 1.84 0.00
HUDSON___115KV_TB 4 355613	45.94 1.39 0.00	42.20 1.14 0.00	38.12 1.01 0.00	37.87 1.00 0.00	41.03 1.06 0.00	39.10 1.12 0.00	47.63 1.53 0.00	59.17 1.97 0.00	42.83 1.09 0.00	35.11 0.58 0.00	31.24 0.34 0.00	30.44 0.31 0.00	33.12 0.31 0.00	33.52 0.36 0.00	33.44 0.33 0.00	35.29 0.34 0.00	35.97 0.51 0.00	43.83 0.84 0.00	59.01 1.78 0.00	87.60 3.02 0.00	73.31 2.67 0.00	55.78 2.08 0.00	46.82 1.71 0.00	45.23 1.56 0.00
HUNTER MOUNT___DRP 323613	46.25 1.69 0.00	42.47 1.41 0.00	38.38 1.27 0.00	38.13 1.26 0.00	41.32 1.34 0.00	39.36 1.39 0.00	47.96 1.86 0.00	59.61 2.40 0.00	43.14 1.39 0.00	35.31 0.78 0.00	31.38 0.48 0.00	30.57 0.44 0.00	33.27 0.46 0.00	33.65 0.49 0.00	33.56 0.45 0.00	35.42 0.46 0.00	36.16 0.70 0.00	44.13 1.15 0.00	59.46 2.24 0.00	88.28 3.70 0.00	73.85 3.22 0.00	56.18 2.48 0.00	47.15 2.04 0.00	45.52 1.85 0.00
HUNTINGTON_RES_REC 323705	46.17 1.61 0.00	41.97 0.91 0.00	37.77 0.66 0.00	37.51 0.63 0.00	40.79 0.81 0.00	38.98 1.01 0.00	47.65 1.54 0.00	58.69 1.49 0.00	42.75 1.01 0.00	37.68 0.89 -2.25	34.15 0.70 -2.55	32.94 0.50 -2.31	33.27 0.46 0.00	33.72 0.56 0.00	33.94 0.84 0.00	36.64 1.68 0.00	36.71 1.25 0.00	44.76 1.77 -0.01	59.91 2.68 0.00	88.77 4.19 0.00	74.22 3.59 0.00	57.03 3.11 -0.23	48.55 2.65 -0.78	46.07 2.40 0.00
HUNTLEY___63 23557	42.77 -1.78 0.00	39.99 -1.07 0.00	36.22 -0.89 0.00	35.82 -1.06 0.00	38.84 -1.14 0.00	36.07 -1.91 0.00	43.16 -2.94 0.00	53.36 -3.84 0.00	39.20 -2.54 0.00	32.86 -1.67 0.00	29.97 -0.93 0.00	29.01 -1.13 0.00	31.51 -1.30 0.00	31.47 -1.68 0.00	31.50 -1.60 0.00	33.41 -1.55 0.00	34.10 -1.36 0.00	40.69 -2.29 0.00	52.49 -4.73 0.00	77.10 -7.48 0.00	64.20 -6.44 0.00	48.62 -5.05 0.04	40.31 -3.98 0.82	40.33 -3.32 0.02
HUNTLEY___64 23558	42.77 -1.78 0.00	39.99 -1.07 0.00	36.22 -0.89 0.00	35.82 -1.06 0.00	38.84 -1.14 0.00	36.07 -1.91 0.00	43.16 -2.94 0.00	53.36 -3.84 0.00	39.20 -2.54 0.00	32.86 -1.67 0.00	29.97 -0.93 0.00	29.01 -1.13 0.00	31.51 -1.30 0.00	31.47 -1.68 0.00	31.50 -1.60 0.00	33.41 -1.55 0.00	34.10 -1.36 0.00	40.69 -2.29 0.00	52.49 -4.73 0.00	77.10 -7.48 0.00	64.20 -6.44 0.00	48.62 -5.05 0.04	40.31 -3.98 0.82	40.33 -3.32 0.02
HUNTLEY___65 23559	42.77 -1.78 0.00	39.99 -1.07 0.00	36.22 -0.89 0.00	35.82 -1.06 0.00	38.84 -1.14 0.00	36.07 -1.91 0.00	43.16 -2.94 0.00	53.36 -3.84 0.00	39.20 -2.54 0.00	32.86 -1.67 0.00	29.97 -0.93 0.00	29.01 -1.13 0.00	31.51 -1.30 0.00	31.47 -1.68 0.00	31.50 -1.60 0.00	33.41 -1.55 0.00	34.10 -1.36 0.00	40.69 -2.29 0.00	52.49 -4.73 0.00	77.10 -7.48 0.00	64.20 -6.44 0.00	48.62 -5.05 0.04	40.31 -3.98 0.82	40.33 -3.32 0.02
HUNTLEY___66 23560	42.77 -1.78 0.00	39.99 -1.07 0.00	36.22 -0.89 0.00	35.82 -1.06 0.00	38.84 -1.14 0.00	36.07 -1.91 0.00	43.16 -2.94 0.00	53.36 -3.84 0.00	39.20 -2.54 0.00	32.86 -1.67 0.00	29.97 -0.93 0.00	29.01 -1.13 0.00	31.51 -1.30 0.00	31.47 -1.68 0.00	31.50 -1.60 0.00	33.41 -1.55 0.00	34.10 -1.36 0.00	40.69 -2.29 0.00	52.49 -4.73 0.00	77.10 -7.48 0.00	64.20 -6.44 0.00	48.62 -5.05 0.04	40.31 -3.98 0.82	40.33 -3.32 0.02



HUNTLEY___67 23561	42.75 -1.81 0.00	39.94 -1.12 0.00	36.19 -0.92 0.00	35.79 -1.08 0.00	38.81 -1.17 0.00	36.07 -1.91 0.00	43.16 -2.94 0.00	53.35 -3.85 0.00	39.18 -2.57 0.00	32.83 -1.71 0.00	29.94 -0.96 0.00	29.01 -1.12 0.00	31.53 -1.28 0.00	31.51 -1.64 0.00	31.54 -1.57 0.00	33.43 -1.52 0.00	34.07 -1.39 0.00	40.70 -2.29 0.00	52.47 -4.75 0.00	77.10 -7.48 0.00	64.14 -6.50 0.00	48.56 -5.11 0.04	40.29 -4.04 0.79	40.25 -3.41 0.02
HUNTLEY___68 23562	42.75 -1.81 0.00	39.94 -1.12 0.00	36.19 -0.92 0.00	35.79 -1.08 0.00	38.81 -1.17 0.00	36.07 -1.91 0.00	43.16 -2.94 0.00	53.35 -3.85 0.00	39.18 -2.57 0.00	32.83 -1.71 0.00	29.94 -0.96 0.00	29.01 -1.12 0.00	31.53 -1.28 0.00	31.51 -1.64 0.00	31.54 -1.57 0.00	33.43 -1.52 0.00	34.07 -1.39 0.00	40.70 -2.29 0.00	52.47 -4.75 0.00	77.10 -7.48 0.00	64.14 -6.50 0.00	48.56 -5.11 0.04	40.29 -4.04 0.79	40.25 -3.41 0.02
HYLAND___LFGE 323620	44.92 0.36 0.00	41.88 0.83 0.00	37.82 0.71 0.00	37.49 0.62 0.00	40.86 0.88 0.00	38.35 0.37 0.00	46.38 0.28 0.00	57.74 0.54 0.00	41.89 0.14 0.00	33.95 -0.58 0.00	30.45 -0.45 0.00	29.40 -0.73 0.00	31.92 -0.89 0.00	32.04 -1.12 0.00	32.06 -1.05 0.00	34.14 -0.82 0.00	34.99 -0.47 0.00	42.73 -0.26 0.00	56.60 -0.62 0.00	84.19 -0.39 0.00	70.10 -0.54 0.00	52.65 -1.01 0.04	47.91 -1.00 -3.79	42.91 -0.87 -0.10
INDECK___CORINTH 23802	47.28 2.72 0.00	43.06 2.00 0.00	38.83 1.72 0.00	38.58 1.71 0.00	41.85 1.87 0.00	39.94 1.96 0.00	48.83 2.73 0.00	60.76 3.55 0.00	43.82 2.08 0.00	35.87 1.33 0.00	31.77 0.88 0.00	30.96 0.83 0.00	33.68 0.87 0.00	34.07 0.91 0.00	33.95 0.85 0.00	36.09 1.14 0.00	37.01 1.55 0.00	44.79 1.81 0.00	60.75 3.53 0.00	89.99 5.41 0.00	75.36 4.72 0.00	57.20 3.50 0.00	47.90 2.78 0.00	46.25 2.57 0.00
INDECK___ILION 23567	44.31 -0.25 0.00	40.75 -0.31 0.00	36.76 -0.35 0.00	36.54 -0.33 0.00	39.64 -0.34 0.00	37.79 -0.19 0.00	46.06 -0.04 0.00	57.17 -0.04 0.00	41.37 -0.37 0.00	34.00 -0.53 0.00	30.33 -0.56 0.00	29.59 -0.54 0.00	32.19 -0.62 0.00	32.54 -0.61 0.00	32.49 -0.61 0.00	34.32 -0.63 0.00	34.95 -0.51 0.00	42.71 -0.27 0.00	57.36 0.14 0.00	85.01 0.43 0.00	71.05 0.41 0.00	53.94 0.24 0.00	45.25 0.13 0.00	43.63 -0.04 0.00
INDECK___OLEAN 23982	44.32 -0.24 0.00	41.39 0.34 0.00	37.33 0.22 0.00	37.03 0.16 0.00	40.26 0.28 0.00	37.43 -0.54 0.00	44.78 -1.32 0.00	55.72 -1.48 0.00	40.88 -0.86 0.00	34.07 -0.47 0.00	30.92 0.02 0.00	30.18 0.05 0.00	33.00 0.19 0.00	33.08 -0.08 0.00	33.08 -0.03 0.00	35.14 0.18 0.00	35.45 -0.02 0.00	42.68 -0.31 0.00	54.99 -2.24 0.00	81.13 -3.45 0.00	67.29 -3.35 0.00	50.50 -3.14 0.05	42.60 -2.52 0.00	41.64 -2.04 0.00
INDECK___OSWEGO 23783	43.60 -0.96 0.00	40.21 -0.85 0.00	36.39 -0.72 0.00	36.17 -0.70 0.00	39.22 -0.76 0.00	37.20 -0.78 0.00	45.10 -1.00 0.00	55.97 -1.24 0.00	40.79 -0.95 0.00	33.77 -0.77 0.00	30.25 -0.65 0.00	29.47 -0.67 0.00	32.08 -0.72 0.00	32.37 -0.78 0.00	32.35 -0.75 0.00	34.19 -0.77 0.00	34.66 -0.80 0.00	41.92 -1.06 0.00	55.78 -1.44 0.00	82.56 -2.02 0.00	68.82 -1.81 0.00	52.12 -1.58 0.00	43.73 -1.38 0.00	42.33 -1.34 0.00
INDECK___YERKES 23781	42.82 -1.74 0.00	40.01 -1.05 0.00	36.26 -0.85 0.00	35.84 -1.02 0.00	38.87 -1.11 0.00	36.10 -1.88 0.00	43.20 -2.90 0.00	53.39 -3.82 0.00	39.24 -2.51 0.00	32.90 -1.64 0.00	29.98 -0.92 0.00	29.03 -1.10 0.00	31.53 -1.28 0.00	31.50 -1.65 0.00	31.53 -1.58 0.00	33.43 -1.52 0.00	34.12 -1.34 0.00	40.72 -2.26 0.00	52.53 -4.69 0.00	77.15 -7.43 0.00	64.26 -6.37 0.00	48.64 -5.02 0.04	40.35 -3.94 0.82	40.36 -3.29 0.02
INDIAN POINT_GT_1 24139	45.80 1.24 0.00	41.99 0.93 0.00	37.83 0.72 0.00	37.60 0.73 0.00	40.80 0.83 0.00	38.93 0.95 0.00	47.40 1.29 0.00	58.86 1.66 0.00	42.91 1.17 0.00	35.43 0.89 0.00	31.61 0.71 0.00	30.82 0.69 0.00	33.44 0.63 0.00	33.90 0.74 0.00	33.94 0.83 0.00	36.01 1.05 0.00	36.31 0.85 0.00	44.14 1.16 0.00	58.91 1.69 0.00	87.48 2.90 0.00	73.29 2.65 0.00	55.64 1.94 0.00	46.62 1.51 0.00	45.05 1.37 0.00
INDIAN POINT_GT_2 23659	45.80 1.24 0.00	41.99 0.93 0.00	37.83 0.72 0.00	37.60 0.73 0.00	40.80 0.83 0.00	38.93 0.95 0.00	47.40 1.29 0.00	58.86 1.66 0.00	42.91 1.17 0.00	35.43 0.89 0.00	31.61 0.71 0.00	30.82 0.69 0.00	33.44 0.63 0.00	33.90 0.74 0.00	33.94 0.83 0.00	36.01 1.05 0.00	36.31 0.85 0.00	44.14 1.16 0.00	58.91 1.69 0.00	87.48 2.90 0.00	73.29 2.65 0.00	55.64 1.94 0.00	46.62 1.51 0.00	45.05 1.37 0.00
INDIAN POINT_GT_3 24019	45.80 1.24 0.00	41.99 0.93 0.00	37.83 0.72 0.00	37.60 0.73 0.00	40.80 0.83 0.00	38.93 0.95 0.00	47.40 1.29 0.00	58.86 1.66 0.00	42.91 1.17 0.00	35.43 0.89 0.00	31.61 0.71 0.00	30.82 0.69 0.00	33.44 0.63 0.00	33.90 0.74 0.00	33.94 0.83 0.00	36.01 1.05 0.00	36.31 0.85 0.00	44.14 1.16 0.00	58.91 1.69 0.00	87.48 2.90 0.00	73.29 2.65 0.00	55.64 1.94 0.00	46.62 1.51 0.00	45.05 1.37 0.00
INDIAN POINT___2 23530	45.64 1.08 0.00	41.88 0.82 0.00	37.73 0.62 0.00	37.51 0.64 0.00	40.72 0.73 0.00	38.83 0.85 0.00	47.26 1.16 0.00	58.70 1.49 0.00	42.79 1.04 0.00	35.32 0.79 0.00	31.50 0.60 0.00	30.72 0.59 0.00	33.34 0.53 0.00	33.80 0.65 0.00	33.84 0.73 0.00	35.89 0.93 0.00	36.18 0.72 0.00	43.99 1.00 0.00	58.69 1.46 0.00	87.19 2.62 0.00	73.05 2.42 0.00	55.42 1.72 0.00	46.43 1.31 0.00	44.87 1.20 0.00
INDIAN POINT___3 23531	45.85 1.29 0.00	42.03 0.97 0.00	37.87 0.76 0.00	37.65 0.77 0.00	40.84 0.86 0.00	38.96 0.98 0.00	47.45 1.34 0.00	58.92 1.71 0.00	42.95 1.21 0.00	35.47 0.93 0.00	31.66 0.76 0.00	30.87 0.73 0.00	33.49 0.69 0.00	33.95 0.80 0.00	33.99 0.88 0.00	36.06 1.10 0.00	36.37 0.91 0.00	44.20 1.21 0.00	58.98 1.75 0.00	87.56 2.98 0.00	73.36 2.73 0.00	55.72 2.01 0.00	46.69 1.57 0.00	45.11 1.43 0.00
INGHAM_C_115KV_TB7 356103	43.90 -0.66 0.00	40.26 -0.80 0.00	36.24 -0.88 0.00	36.02 -0.85 0.00	39.08 -0.90 0.00	37.39 -0.59 0.00	45.79 -0.31 0.00	56.82 -0.39 0.00	40.69 -1.06 0.00	33.09 -1.45 0.00	29.38 -1.52 0.00	28.67 -1.46 0.00	31.17 -1.64 0.00	31.54 -1.62 0.00	31.47 -1.64 0.00	33.22 -1.74 0.00	34.02 -1.45 0.00	42.06 -0.92 0.00	57.14 -0.08 0.00	85.03 0.46 0.00	71.09 0.46 0.00	53.96 0.26 0.00	45.20 0.08 0.00	43.45 -0.23 0.00
IP CORINTH___1 23988	47.28 2.72 0.00	43.05 1.99 0.00	38.83 1.72 0.00	38.58 1.71 0.00	41.85 1.87 0.00	39.94 1.96 0.00	48.83 2.73 0.00	60.76 3.55 0.00	43.82 2.08 0.00	35.87 1.33 0.00	31.77 0.88 0.00	30.96 0.83 0.00	33.68 0.87 0.00	34.07 0.91 0.00	33.96 0.85 0.00	36.09 1.14 0.00	37.01 1.55 0.00	44.80 1.81 0.00	60.75 3.53 0.00	89.98 5.40 0.00	75.36 4.72 0.00	57.21 3.51 0.00	47.90 2.78 0.00	46.25 2.57 0.00



IP__TICONDEROGA 23804	48.79 4.23 0.00	44.10 3.04 0.00	39.68 2.57 0.00	39.40 2.53 0.00	42.69 2.71 0.00	40.91 2.93 0.00	50.17 4.07 0.00	62.68 5.48 0.00	44.71 2.96 0.00	36.32 1.78 0.00	31.98 1.08 0.00	31.14 1.01 0.00	33.91 1.10 0.00	34.41 1.26 0.00	34.20 1.09 0.00	36.68 1.72 0.00	37.84 2.38 0.00	45.63 2.64 0.00	62.82 5.60 0.00	93.43 8.85 0.00	78.54 7.90 0.00	59.59 5.89 0.00	49.71 4.60 0.00	47.99 4.32 0.00
ISLIP_RES_REC 323679	46.52 1.96 0.00	42.09 1.04 0.00	37.88 0.77 0.00	37.62 0.75 0.00	40.97 0.99 0.00	39.22 1.24 0.00	48.13 2.02 0.00	59.05 1.84 0.00	43.00 1.26 0.00	43.28 0.96 -7.79	40.30 0.71 -8.70	38.49 0.49 -7.86	33.25 0.44 0.00	33.68 0.53 0.00	33.97 0.86 0.00	36.73 1.77 0.00	36.76 1.30 0.00	44.85 1.85 -0.01	60.14 2.92 0.00	89.31 4.74 0.00	74.69 4.06 0.00	57.34 3.40 -0.24	48.81 2.88 -0.82	46.25 2.57 0.00
JAMAICA__27_KV_LOAD 355505	46.80 2.24 0.00	42.91 1.85 0.00	38.60 1.49 0.00	38.36 1.49 0.00	41.60 1.62 0.00	39.59 1.61 0.00	48.27 2.17 0.00	59.97 2.76 0.00	43.80 2.06 0.00	36.24 1.70 0.00	32.43 1.53 0.00	31.59 1.46 0.00	34.27 1.47 0.00	34.71 1.55 0.00	34.70 1.59 0.00	36.75 1.79 0.00	37.18 1.72 0.00	45.09 2.11 0.00	60.13 2.90 0.00	89.26 4.68 0.00	74.87 4.23 0.00	56.89 3.19 0.00	47.65 2.54 0.00	45.99 2.31 0.00
JANIS__SOLAR 323808	45.33 0.77 0.00	41.94 0.88 0.00	37.85 0.74 0.00	37.68 0.81 0.00	40.86 0.89 0.00	38.96 0.99 0.00	47.41 1.31 0.00	59.13 1.93 0.00	43.09 1.34 0.00	34.98 0.44 0.00	31.08 0.18 0.00	30.26 0.13 0.00	32.98 0.17 0.00	33.20 0.05 0.00	33.18 0.07 0.00	35.20 0.24 0.00	36.03 0.57 0.00	44.33 1.35 0.00	59.49 2.26 0.00	88.59 4.01 0.00	73.61 2.98 0.00	55.48 1.68 -0.10	46.37 0.99 -0.27	44.33 0.65 -0.01
JARVIS____ 23743	44.51 -0.05 0.00	40.96 -0.09 0.00	37.03 -0.08 0.00	36.80 -0.07 0.00	39.90 -0.08 0.00	37.94 -0.04 0.00	46.09 -0.01 0.00	57.21 0.00 0.00	41.67 -0.07 0.00	34.44 -0.09 0.00	30.80 -0.09 0.00	30.04 -0.09 0.00	32.70 -0.11 0.00	33.06 -0.10 0.00	33.01 -0.10 0.00	34.85 -0.10 0.00	35.36 -0.10 0.00	42.88 -0.10 0.00	57.17 -0.05 0.00	84.58 0.00 0.00	70.64 0.00 0.00	53.70 0.00 0.00	45.09 -0.02 0.00	43.63 -0.05 0.00
JENNISON__1 23625	44.15 -0.41 0.00	40.90 -0.15 0.00	36.83 -0.28 0.00	36.66 -0.21 0.00	39.80 -0.18 0.00	37.95 -0.03 0.00	46.23 0.13 0.00	57.95 0.74 0.00	42.64 0.89 0.00	34.84 0.30 0.00	31.34 0.44 0.00	30.74 0.60 0.00	33.56 0.76 0.00	33.82 0.67 0.00	33.82 0.71 0.00	35.82 0.87 0.00	36.53 1.06 0.00	44.84 1.85 0.00	59.69 2.47 0.00	88.49 3.92 0.00	73.15 2.51 0.00	54.82 1.10 -0.02	45.42 0.30 0.00	43.53 -0.15 0.00
JENNISON__2 23626	44.15 -0.41 0.00	40.90 -0.15 0.00	36.83 -0.28 0.00	36.66 -0.21 0.00	39.80 -0.18 0.00	37.95 -0.03 0.00	46.23 0.13 0.00	57.95 0.74 0.00	42.64 0.89 0.00	34.84 0.30 0.00	31.34 0.44 0.00	30.74 0.60 0.00	33.56 0.76 0.00	33.82 0.67 0.00	33.82 0.71 0.00	35.82 0.87 0.00	36.53 1.06 0.00	44.84 1.85 0.00	59.69 2.47 0.00	88.49 3.92 0.00	73.15 2.51 0.00	54.82 1.10 -0.02	45.42 0.30 0.00	43.53 -0.15 0.00
JERICHO_RISE_WT_PWR 323719	-23.84 -1.05 67.35	-23.74 -0.84 63.96	-23.34 -0.68 59.77	6.73 -0.65 29.49	23.38 -0.68 15.92	37.39 -0.58 0.00	45.61 -0.49 0.00	57.05 -0.16 0.00	41.80 0.06 0.00	34.51 -0.02 0.00	30.95 0.06 0.00	30.29 0.16 0.00	33.01 0.20 0.00	33.45 0.29 0.00	33.26 0.16 0.00	35.21 0.25 0.00	35.91 0.45 0.00	43.75 0.77 0.00	58.57 1.35 0.00	86.11 1.53 0.00	72.04 1.41 0.00	55.10 1.40 0.00	46.31 1.19 0.00	44.78 1.10 0.00
KATONAH__115KV_46KV_TB4 355592	46.32 1.76 0.00	42.44 1.39 0.00	38.25 1.13 0.00	38.01 1.14 0.00	41.24 1.26 0.00	39.36 1.38 0.00	47.96 1.86 0.00	59.58 2.37 0.00	43.44 1.70 0.00	35.88 1.35 0.00	32.04 1.15 0.00	31.22 1.10 0.00	33.88 1.07 0.00	34.32 1.17 0.00	34.33 1.23 0.00	36.42 1.47 0.00	36.77 1.31 0.00	44.69 1.70 0.00	59.66 2.44 0.00	88.59 4.01 0.00	74.22 3.59 0.00	56.37 2.67 0.00	47.22 2.11 0.00	45.57 1.90 0.00
KCE_NY_1 323755	46.36 1.80 0.00	42.48 1.42 0.00	38.33 1.22 0.00	38.07 1.20 0.00	41.27 1.29 0.00	39.32 1.35 0.00	47.97 1.87 0.00	59.60 2.39 0.00	43.08 1.33 0.00	35.36 0.83 0.00	31.44 0.54 0.00	30.70 0.57 0.00	33.39 0.59 0.00	33.78 0.62 0.00	33.67 0.57 0.00	35.70 0.75 0.00	36.47 1.01 0.00	44.47 1.49 0.00	59.74 2.51 0.00	88.45 3.87 0.00	74.02 3.39 0.00	56.18 2.48 0.00	47.15 2.03 0.00	45.55 1.88 0.00
KCE_NY_6_ESR 323823	43.46 -1.10 0.00	40.60 -0.45 0.00	36.75 -0.36 0.00	36.36 -0.51 0.00	39.43 -0.54 0.00	36.65 -1.33 0.00	43.92 -2.18 0.00	54.32 -2.89 0.00	39.87 -1.87 0.00	33.37 -1.16 0.00	30.40 -0.49 0.00	29.45 -0.68 0.00	32.03 -0.78 0.00	32.01 -1.14 0.00	32.04 -1.07 0.00	33.98 -0.98 0.00	34.62 -0.84 0.00	41.46 -1.53 0.00	53.49 -3.74 0.00	78.58 -5.99 0.00	65.34 -5.29 0.00	49.40 -4.26 0.04	41.08 -3.36 0.67	40.87 -2.78 0.02
KEDC_PORT_JEFF_GT2 24210	46.42 1.86 0.00	42.00 0.95 0.00	37.78 0.67 0.00	37.54 0.66 0.00	40.88 0.90 0.00	39.13 1.15 0.00	48.02 1.92 0.00	58.92 1.71 0.00	42.90 1.15 0.00	38.80 0.88 -3.38	35.29 0.64 -3.76	33.96 0.43 -3.40	33.20 0.39 0.00	33.65 0.49 0.00	33.92 0.81 0.00	36.67 1.71 0.00	36.69 1.23 0.00	44.73 1.74 -0.01	59.95 2.73 0.00	89.00 4.42 0.00	74.42 3.79 0.00	57.13 3.21 -0.22	48.60 2.72 -0.76	46.11 2.43 0.00
KEDC_PORT_JEFF_GT3 24211	46.42 1.86 0.00	42.00 0.95 0.00	37.78 0.67 0.00	37.54 0.66 0.00	40.88 0.90 0.00	39.13 1.15 0.00	48.02 1.92 0.00	58.92 1.71 0.00	42.90 1.15 0.00	38.80 0.88 -3.38	35.29 0.64 -3.76	33.96 0.43 -3.40	33.20 0.39 0.00	33.65 0.49 0.00	33.92 0.81 0.00	36.67 1.71 0.00	36.69 1.23 0.00	44.73 1.74 -0.01	59.95 2.73 0.00	89.00 4.42 0.00	74.42 3.79 0.00	57.13 3.21 -0.22	48.60 2.72 -0.76	46.11 2.43 0.00
KEDC_GLWD_GT4 24219	46.53 1.97 0.00	42.41 1.35 0.00	38.16 1.05 0.00	37.91 1.04 0.00	41.23 1.25 0.00	39.45 1.47 0.00	48.16 2.06 0.00	59.52 2.31 0.00	43.39 1.65 0.00	35.85 1.32 0.00	32.01 1.12 0.00	31.11 0.98 0.00	33.77 0.96 0.00	34.23 1.07 0.00	34.38 1.27 0.00	36.86 1.90 0.00	37.03 1.57 0.00	45.12 2.09 -0.05	60.22 3.00 0.00	89.28 4.71 0.00	74.77 4.13 0.00	58.01 3.33 -0.98	51.25 2.76 -3.37	46.19 2.51 0.00
KEDC_GLWD_GT5 24220	46.53 1.97 0.00	42.41 1.35 0.00	38.16 1.05 0.00	37.91 1.04 0.00	41.23 1.25 0.00	39.45 1.47 0.00	48.16 2.06 0.00	59.52 2.31 0.00	43.39 1.65 0.00	35.85 1.32 0.00	32.01 1.12 0.00	31.11 0.98 0.00	33.77 0.96 0.00	34.23 1.07 0.00	34.38 1.27 0.00	36.86 1.90 0.00	37.03 1.57 0.00	45.12 2.09 -0.05	60.22 3.00 0.00	89.28 4.71 0.00	74.77 4.13 0.00	58.01 3.33 -0.98	51.25 2.76 -3.37	46.19 2.51 0.00



KENSICO____ 23655	46.08 1.52 0.00	42.22 1.17 0.00	38.03 0.92 0.00	37.79 0.92 0.00	41.00 1.02 0.00	39.13 1.15 0.00	47.67 1.56 0.00	59.16 1.95 0.00	43.14 1.40 0.00	35.65 1.12 0.00	31.84 0.94 0.00	31.03 0.90 0.00	33.67 0.86 0.00	34.13 0.98 0.00	34.16 1.05 0.00	36.25 1.29 0.00	36.58 1.12 0.00	44.43 1.45 0.00	59.29 2.07 0.00	88.01 3.43 0.00	73.73 3.10 0.00	56.04 2.34 0.00	46.97 1.86 0.00	45.35 1.67 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	46.47 1.91 0.00	42.64 1.58 0.00	38.44 1.33 0.00	38.21 1.33 0.00	41.47 1.49 0.00	39.55 1.57 0.00	48.16 2.06 0.00	59.83 2.62 0.00	43.58 1.83 0.00	35.85 1.32 0.00	31.88 0.99 0.00	31.00 0.87 0.00	33.64 0.83 0.00	34.04 0.88 0.00	34.05 0.95 0.00	36.09 1.13 0.00	36.59 1.13 0.00	44.66 1.67 0.00	59.72 2.50 0.00	88.87 4.29 0.00	74.42 3.79 0.00	56.48 2.78 0.00	47.28 2.16 0.00	45.63 1.95 0.00
KIAC_JFK_GT1 23816	46.52 1.96 0.00	42.66 1.60 0.00	38.38 1.27 0.00	38.14 1.27 0.00	41.34 1.37 0.00	39.34 1.36 0.00	47.95 1.84 0.00	59.59 2.38 0.00	43.54 1.80 0.00	36.02 1.48 0.00	32.24 1.35 0.00	31.42 1.29 0.00	34.08 1.28 0.00	34.51 1.36 0.00	34.52 1.41 0.00	36.55 1.59 0.00	36.98 1.52 0.00	44.84 1.86 0.00	59.74 2.52 0.00	88.70 4.12 0.00	74.38 3.75 0.00	56.52 2.82 0.00	47.37 2.26 0.00	45.72 2.05 0.00
KIAC_JFK_GT2 23817	46.52 1.96 0.00	42.66 1.60 0.00	38.38 1.27 0.00	38.14 1.27 0.00	41.34 1.37 0.00	39.34 1.36 0.00	47.95 1.84 0.00	59.59 2.38 0.00	43.54 1.80 0.00	36.02 1.48 0.00	32.24 1.35 0.00	31.42 1.29 0.00	34.08 1.28 0.00	34.51 1.36 0.00	34.52 1.41 0.00	36.55 1.59 0.00	36.98 1.52 0.00	44.84 1.86 0.00	59.74 2.52 0.00	88.70 4.12 0.00	74.38 3.75 0.00	56.52 2.82 0.00	47.37 2.26 0.00	45.72 2.05 0.00
KIAC_JFK____ 323774	46.52 1.96 0.00	42.66 1.61 0.00	38.38 1.27 0.00	38.14 1.27 0.00	41.34 1.37 0.00	39.34 1.36 0.00	47.95 1.84 0.00	59.58 2.38 0.00	43.54 1.80 0.00	36.02 1.48 0.00	32.24 1.35 0.00	31.42 1.29 0.00	34.08 1.28 0.00	34.51 1.36 0.00	34.52 1.41 0.00	36.55 1.59 0.00	36.98 1.52 0.00	44.84 1.86 0.00	59.74 2.52 0.00	88.70 4.12 0.00	74.38 3.75 0.00	56.52 2.81 0.00	47.37 2.25 0.00	45.72 2.05 0.00
KINTIGH____ 23543	42.67 -1.89 0.00	39.78 -1.28 0.00	36.04 -1.07 0.00	35.68 -1.19 0.00	38.69 -1.29 0.00	36.07 -1.91 0.00	43.24 -2.87 0.00	53.48 -3.73 0.00	39.21 -2.53 0.00	32.77 -1.77 0.00	29.80 -1.09 0.00	28.93 -1.20 0.00	31.45 -1.36 0.00	31.49 -1.66 0.00	31.52 -1.58 0.00	33.41 -1.55 0.00	34.02 -1.45 0.00	40.71 -2.28 0.00	52.73 -4.49 0.00	77.63 -6.94 0.00	64.61 -6.03 0.00	48.90 -4.77 0.03	40.76 -3.74 0.61	40.41 -3.25 0.02
KNTFSRNC_46_KV_46KV_LOAD 80397	-20.75 -1.04 64.27	-20.74 -0.77 61.03	-20.65 -0.73 57.03	7.89 -0.84 28.13	23.95 -0.84 15.19	37.33 -0.64 0.00	45.71 -0.40 0.00	57.41 0.20 0.00	41.84 0.10 0.00	34.34 -0.20 0.00	30.83 -0.06 0.00	30.21 0.08 0.00	32.95 0.14 0.00	33.51 0.36 0.00	33.40 0.29 0.00	35.45 0.50 0.00	36.26 0.80 0.00	44.36 1.38 0.00	59.65 2.43 0.00	87.38 2.80 0.00	73.25 2.61 0.00	56.21 2.51 0.00	47.19 2.08 0.00	45.51 1.83 0.00
LACHUTE__HYDRO 323717	48.79 4.24 0.00	44.10 3.04 0.00	39.67 2.57 0.00	39.40 2.53 0.00	42.69 2.71 0.00	40.91 2.93 0.00	50.17 4.07 0.00	62.69 5.48 0.00	44.71 2.96 0.00	36.32 1.78 0.00	31.98 1.08 0.00	31.14 1.01 0.00	33.91 1.10 0.00	34.41 1.26 0.00	34.20 1.09 0.00	36.68 1.72 0.00	37.84 2.38 0.00	45.63 2.65 0.00	62.83 5.60 0.00	93.43 8.85 0.00	78.53 7.90 0.00	59.58 5.88 0.00	49.71 4.60 0.00	47.99 4.32 0.00
LAWRNCV_115KV_TB1 80681	52.43 -0.26 -8.13	48.72 -0.06 -7.73	44.38 0.05 -7.22	40.49 0.06 -3.56	42.03 0.12 -1.92	38.02 0.05 0.00	46.13 0.03 0.00	57.28 0.07 0.00	41.92 0.18 0.00	34.55 0.01 0.00	30.87 -0.03 0.00	30.11 -0.02 0.00	32.82 0.02 0.00	33.13 -0.03 0.00	33.00 -0.11 0.00	34.69 -0.26 0.00	35.31 -0.15 0.00	43.02 0.04 0.00	57.57 0.35 0.00	85.16 0.58 0.00	71.18 0.55 0.00	54.40 0.70 0.00	45.66 0.54 0.00	44.20 0.52 0.00
LEDERLE____ 23769	45.96 1.40 0.00	42.16 1.10 0.00	37.99 0.87 0.00	37.77 0.89 0.00	40.98 1.00 0.00	39.09 1.11 0.00	47.58 1.48 0.00	59.09 1.89 0.00	43.08 1.34 0.00	35.56 1.03 0.00	31.72 0.82 0.00	30.94 0.81 0.00	33.57 0.77 0.00	34.04 0.88 0.00	34.08 0.97 0.00	36.16 1.21 0.00	36.46 1.00 0.00	44.35 1.36 0.00	59.14 1.91 0.00	87.85 3.28 0.00	73.61 2.97 0.00	55.84 2.14 0.00	46.77 1.65 0.00	45.19 1.52 0.00
LIGHTHSE_115KV_TB6 355974	43.76 -0.80 0.00	40.40 -0.66 0.00	36.66 -0.45 0.00	36.52 -0.35 0.00	39.71 -0.27 0.00	37.64 -0.34 0.00	45.68 -0.43 0.00	56.74 -0.47 0.00	41.21 -0.53 0.00	33.87 -0.66 0.00	30.25 -0.65 0.00	29.43 -0.70 0.00	32.01 -0.80 0.00	32.29 -0.86 0.00	32.28 -0.82 0.00	34.13 -0.83 0.00	34.66 -0.80 0.00	42.24 -0.75 0.00	56.72 -0.51 0.00	84.23 -0.34 0.00	70.27 -0.36 0.00	53.13 -0.58 0.00	44.40 -0.71 0.00	42.84 -0.83 0.00
LINDEN COGEN____ 23786	45.95 1.39 0.00	42.11 1.05 0.00	37.92 0.81 0.00	37.69 0.82 0.00	40.88 0.91 0.00	39.01 1.04 0.00	47.52 1.42 0.00	59.00 1.80 0.00	43.07 1.33 0.00	35.60 1.06 0.00	31.82 0.92 0.00	31.02 0.89 0.00	33.62 0.81 0.00	34.09 0.93 0.00	34.13 1.02 0.00	36.21 1.26 0.00	36.51 1.05 0.00	44.36 1.37 0.00	59.12 1.89 0.00	87.78 3.20 0.00	73.59 2.96 0.00	55.88 2.18 0.00	46.81 1.70 0.00	45.21 1.54 0.00
LINDHRST_69_KV_BK1 356055	46.68 2.13 0.00	42.43 1.38 0.00	38.18 1.07 0.00	37.91 1.05 0.00	41.26 1.29 0.00	39.46 1.48 0.00	48.25 2.15 0.00	59.47 2.26 0.00	43.33 1.58 0.00	35.79 1.25 0.00	31.91 1.01 0.00	30.96 0.84 0.00	33.61 0.80 0.00	34.05 0.89 0.00	34.26 1.16 0.00	36.89 1.93 0.00	37.03 1.57 0.00	45.17 2.15 -0.03	60.40 3.18 0.00	89.56 4.98 0.00	74.96 4.33 0.00	57.81 3.57 -0.54	49.96 2.99 -1.86	46.37 2.70 0.00
LIPA_MISC_IPP 23656	45.87 1.32 0.00	41.43 0.37 0.00	37.28 0.17 0.00	37.03 0.16 0.00	40.32 0.34 0.00	38.62 0.64 0.00	47.47 1.37 0.00	58.13 0.92 0.00	42.33 0.58 0.00	12.86 0.43 22.10	6.40 0.24 24.74	7.81 0.05 22.36	32.82 0.00 0.00	33.28 0.12 0.00	33.60 0.49 0.00	36.40 1.44 0.00	36.32 0.85 0.00	44.20 1.20 -0.01	59.26 2.03 0.00	88.06 3.49 0.00	73.67 3.04 0.00	56.56 2.65 -0.21	48.13 2.29 -0.73	45.72 2.05 0.00
LISF__SOLAR 323691	45.93 1.38 0.00	41.47 0.42 0.00	37.33 0.21 0.00	37.07 0.20 0.00	40.36 0.38 0.00	38.66 0.68 0.00	47.54 1.44 0.00	58.18 0.98 0.00	42.35 0.60 0.00	1.64 0.43 33.33	-6.17 0.23 37.30	-3.55 0.04 33.72	32.80 -0.01 0.00	33.25 0.09 0.00	33.58 0.47 0.00	36.41 1.45 0.00	36.32 0.86 0.00	44.23 1.23 -0.01	59.34 2.11 0.00	88.21 3.63 0.00	73.81 3.18 0.00	56.66 2.74 -0.21	48.22 2.36 -0.74	45.78 2.11 0.00



LITTLE FALLS___HYD 24013	43.90 -0.66 0.00	40.26 -0.80 0.00	36.24 -0.88 0.00	36.02 -0.85 0.00	39.08 -0.90 0.00	37.39 -0.59 0.00	45.79 -0.31 0.00	56.82 -0.39 0.00	40.69 -1.06 0.00	33.09 -1.45 0.00	29.38 -1.52 0.00	28.67 -1.46 0.00	31.17 -1.64 0.00	31.54 -1.62 0.00	31.47 -1.64 0.00	33.22 -1.74 0.00	34.02 -1.45 0.00	42.06 -0.92 0.00	57.14 -0.08 0.00	85.03 0.46 0.00	71.09 0.46 0.00	53.96 0.26 0.00	45.20 0.08 0.00	43.45 -0.23 0.00
LITTLRIV_115KV_TB1 356100	54.01 0.51 -8.94	50.20 0.64 -8.50	45.74 0.69 -7.94	41.48 0.69 -3.92	42.92 0.82 -2.12	38.67 0.70 0.00	46.92 0.82 0.00	58.20 0.99 0.00	42.43 0.68 0.00	34.78 0.24 0.00	31.01 0.12 0.00	30.23 0.10 0.00	32.96 0.15 0.00	33.26 0.10 0.00	33.13 0.02 0.00	34.83 -0.12 0.00	35.46 0.00 0.00	43.26 0.27 0.00	58.20 0.98 0.00	86.60 2.02 0.00	72.44 1.80 0.00	55.33 1.63 0.00	46.41 1.30 0.00	44.91 1.24 0.00
LI_NEWBRDGE___DRP 323616	46.16 1.61 0.00	42.04 0.99 0.00	37.85 0.74 0.00	37.59 0.72 0.00	40.87 0.90 0.00	39.08 1.10 0.00	47.72 1.61 0.00	58.93 1.73 0.00	42.95 1.21 0.00	35.50 0.97 0.00	31.69 0.79 0.00	30.80 0.67 0.00	33.44 0.63 0.00	33.88 0.73 0.00	34.06 0.95 0.00	36.56 1.60 0.00	36.67 1.21 0.00	44.65 1.67 0.00	59.64 2.42 0.00	88.41 3.83 0.00	73.99 3.36 0.00	56.49 2.79 0.00	47.44 2.32 0.00	45.76 2.09 0.00
LOCKPORT_115KV_TB60_63_64 80432	42.35 -2.21 0.00	39.61 -1.44 0.00	35.90 -1.21 0.00	35.48 -1.39 0.00	38.48 -1.50 0.00	35.74 -2.24 0.00	42.77 -3.34 0.00	52.85 -4.36 0.00	38.82 -2.92 0.00	32.50 -2.03 0.00	29.64 -1.26 0.00	28.67 -1.46 0.00	31.16 -1.65 0.00	31.11 -2.04 0.00	31.13 -1.97 0.00	33.00 -1.96 0.00	33.73 -1.73 0.00	40.26 -2.73 0.00	51.96 -5.26 0.00	76.35 -8.23 0.00	63.56 -7.07 0.00	48.17 -5.49 0.04	39.86 -4.34 0.92	39.98 -3.68 0.02
LOCKPORT___CC1 323769	42.32 -2.24 0.00	39.58 -1.48 0.00	35.87 -1.24 0.00	35.45 -1.42 0.00	38.47 -1.51 0.00	35.73 -2.25 0.00	42.76 -3.34 0.00	52.83 -4.38 0.00	38.82 -2.93 0.00	32.50 -2.03 0.00	29.63 -1.27 0.00	28.67 -1.46 0.00	31.16 -1.65 0.00	31.11 -2.04 0.00	31.14 -1.96 0.00	33.01 -1.95 0.00	33.72 -1.74 0.00	40.27 -2.71 0.00	51.96 -5.26 0.00	76.32 -8.26 0.00	63.53 -7.11 0.00	48.12 -5.55 0.04	39.63 -4.39 1.10	39.92 -3.72 0.03
LOCKPORT___CC2 323770	42.32 -2.24 0.00	39.58 -1.48 0.00	35.87 -1.24 0.00	35.45 -1.42 0.00	38.47 -1.51 0.00	35.73 -2.25 0.00	42.76 -3.34 0.00	52.83 -4.38 0.00	38.82 -2.93 0.00	32.50 -2.03 0.00	29.63 -1.27 0.00	28.67 -1.46 0.00	31.16 -1.65 0.00	31.11 -2.04 0.00	31.14 -1.96 0.00	33.01 -1.95 0.00	33.72 -1.74 0.00	40.27 -2.71 0.00	51.96 -5.26 0.00	76.32 -8.26 0.00	63.53 -7.11 0.00	48.12 -5.55 0.04	39.63 -4.39 1.10	39.92 -3.72 0.03
LOCKPORT___CC3 323771	42.32 -2.24 0.00	39.58 -1.48 0.00	35.87 -1.24 0.00	35.45 -1.42 0.00	38.47 -1.51 0.00	35.73 -2.25 0.00	42.76 -3.34 0.00	52.83 -4.38 0.00	38.82 -2.93 0.00	32.50 -2.03 0.00	29.63 -1.27 0.00	28.67 -1.46 0.00	31.16 -1.65 0.00	31.11 -2.04 0.00	31.14 -1.96 0.00	33.01 -1.95 0.00	33.72 -1.74 0.00	40.27 -2.71 0.00	51.96 -5.26 0.00	76.32 -8.26 0.00	63.53 -7.11 0.00	48.12 -5.55 0.04	39.63 -4.39 1.10	39.92 -3.72 0.03
LONG_LAKE_PHOENIX 24014	43.75 -0.81 0.00	40.35 -0.71 0.00	36.48 -0.63 0.00	36.25 -0.62 0.00	39.32 -0.66 0.00	37.29 -0.69 0.00	45.19 -0.91 0.00	56.09 -1.12 0.00	40.87 -0.87 0.00	33.82 -0.72 0.00	30.29 -0.60 0.00	29.49 -0.64 0.00	32.09 -0.72 0.00	32.38 -0.77 0.00	32.35 -0.75 0.00	34.21 -0.75 0.00	34.73 -0.73 0.00	42.06 -0.92 0.00	55.90 -1.32 0.00	82.72 -1.85 0.00	68.98 -1.66 0.00	52.23 -1.47 0.00	43.81 -1.31 0.00	42.41 -1.26 0.00
LOVETT___3 23632	45.75 1.20 0.00	41.97 0.91 0.00	37.81 0.70 0.00	37.58 0.71 0.00	40.79 0.81 0.00	38.90 0.93 0.00	47.36 1.26 0.00	58.82 1.61 0.00	42.87 1.13 0.00	35.41 0.87 0.00	31.60 0.70 0.00	30.80 0.67 0.00	33.43 0.62 0.00	33.90 0.74 0.00	33.93 0.83 0.00	35.99 1.04 0.00	36.29 0.83 0.00	44.11 1.13 0.00	58.84 1.62 0.00	87.40 2.83 0.00	73.22 2.58 0.00	55.58 1.87 0.00	46.58 1.46 0.00	45.01 1.33 0.00
LOVETT___4 23642	45.75 1.20 0.00	41.97 0.91 0.00	37.81 0.70 0.00	37.58 0.71 0.00	40.79 0.81 0.00	38.90 0.93 0.00	47.36 1.26 0.00	58.82 1.61 0.00	42.87 1.13 0.00	35.41 0.87 0.00	31.60 0.70 0.00	30.80 0.67 0.00	33.43 0.62 0.00	33.90 0.74 0.00	33.93 0.83 0.00	35.99 1.04 0.00	36.29 0.83 0.00	44.11 1.13 0.00	58.84 1.62 0.00	87.40 2.83 0.00	73.22 2.58 0.00	55.58 1.87 0.00	46.58 1.46 0.00	45.01 1.33 0.00
LOVETT___5 23593	45.75 1.20 0.00	41.97 0.91 0.00	37.81 0.70 0.00	37.58 0.71 0.00	40.79 0.81 0.00	38.90 0.93 0.00	47.36 1.26 0.00	58.82 1.61 0.00	42.87 1.13 0.00	35.41 0.87 0.00	31.60 0.70 0.00	30.80 0.67 0.00	33.43 0.62 0.00	33.90 0.74 0.00	33.93 0.83 0.00	35.99 1.04 0.00	36.29 0.83 0.00	44.11 1.13 0.00	58.84 1.62 0.00	87.40 2.83 0.00	73.22 2.58 0.00	55.58 1.87 0.00	46.58 1.46 0.00	45.01 1.33 0.00
LOWER RAQUET___HYD 24057	53.84 -0.43 -9.70	50.05 -0.23 -9.22	45.65 -0.08 -8.62	41.07 -0.06 -4.25	42.28 0.01 -2.30	37.92 -0.06 0.00	46.01 -0.09 0.00	57.16 -0.05 0.00	41.81 0.06 0.00	34.41 -0.12 0.00	30.73 -0.16 0.00	29.97 -0.16 0.00	32.68 -0.13 0.00	32.97 -0.18 0.00	32.83 -0.28 0.00	34.51 -0.45 0.00	35.13 -0.33 0.00	42.83 -0.16 0.00	57.40 0.18 0.00	85.01 0.44 0.00	71.06 0.43 0.00	54.33 0.63 0.00	45.58 0.47 0.00	44.10 0.42 0.00
LOWER___HUDSON 24059	45.46 0.90 0.00	41.69 0.63 0.00	37.67 0.56 0.00	37.43 0.56 0.00	40.54 0.56 0.00	38.62 0.64 0.00	47.08 0.98 0.00	58.46 1.25 0.00	42.38 0.63 0.00	34.95 0.41 0.00	31.09 0.19 0.00	30.33 0.20 0.00	32.98 0.17 0.00	33.40 0.24 0.00	33.31 0.20 0.00	35.23 0.28 0.00	35.86 0.39 0.00	43.57 0.58 0.00	58.47 1.24 0.00	86.47 1.89 0.00	72.42 1.79 0.00	55.16 1.46 0.00	46.38 1.27 0.00	44.87 1.20 0.00
LOWVILLE_115KV_TB2 356335	46.76 -0.57 -2.78	43.24 -0.45 -2.64	39.50 -0.07 -2.46	38.33 0.24 -1.22	41.22 0.58 -0.66	38.49 0.51 0.00	46.76 0.65 0.00	58.24 1.04 0.00	42.23 0.49 0.00	34.52 -0.02 0.00	30.70 -0.20 0.00	29.88 -0.25 0.00	32.51 -0.30 0.00	32.81 -0.35 0.00	32.75 -0.36 0.00	34.62 -0.34 0.00	35.26 -0.20 0.00	43.38 0.40 0.00	58.79 1.57 0.00	87.53 2.95 0.00	73.08 2.45 0.00	55.27 1.57 0.00	46.07 0.95 0.00	44.11 0.44 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	46.27 1.71 0.00	42.45 1.40 0.00	38.32 1.21 0.00	38.08 1.20 0.00	41.29 1.31 0.00	39.33 1.35 0.00	47.96 1.86 0.00	59.55 2.35 0.00	43.09 1.34 0.00	35.39 0.85 0.00	31.45 0.55 0.00	30.69 0.55 0.00	33.38 0.57 0.00	33.77 0.61 0.00	33.68 0.57 0.00	35.68 0.73 0.00	36.43 0.97 0.00	44.42 1.44 0.00	59.69 2.47 0.00	88.36 3.78 0.00	73.93 3.29 0.00	56.20 2.49 0.00	47.14 2.03 0.00	45.58 1.90 0.00



LUTHERNY_35_KV_BK2 355980	46.36 1.80 0.00	42.48 1.42 0.00	38.33 1.22 0.00	38.07 1.20 0.00	41.27 1.29 0.00	39.33 1.35 0.00	47.97 1.87 0.00	59.60 2.39 0.00	43.08 1.34 0.00	35.37 0.83 0.00	31.44 0.54 0.00	30.70 0.57 0.00	33.40 0.59 0.00	33.78 0.62 0.00	33.67 0.57 0.00	35.70 0.75 0.00	36.47 1.01 0.00	44.47 1.49 0.00	59.74 2.52 0.00	88.45 3.87 0.00	74.02 3.39 0.00	56.18 2.48 0.00	47.15 2.03 0.00	45.55 1.88 0.00
LWR___OSWEGATCHIE_HYD 23850	50.26 -0.88 -6.59	46.63 -0.69 -6.26	42.57 -0.39 -5.85	39.52 -0.23 -2.89	41.49 -0.05 -1.56	37.86 -0.12 0.00	45.98 -0.12 0.00	57.27 0.06 0.00	41.67 -0.08 0.00	34.07 -0.46 0.00	30.35 -0.55 0.00	29.56 -0.57 0.00	32.19 -0.62 0.00	32.48 -0.68 0.00	32.38 -0.73 0.00	34.14 -0.81 0.00	34.77 -0.69 0.00	42.62 -0.36 0.00	57.56 0.34 0.00	85.53 0.95 0.00	71.47 0.84 0.00	54.33 0.62 0.00	45.42 0.31 0.00	43.72 0.05 0.00
LYONS_FALL_HYD 23570	46.38 -0.03 -1.84	42.81 0.00 -1.75	38.94 0.20 -1.64	38.06 0.38 -0.81	41.05 0.63 -0.44	38.57 0.59 0.00	46.86 0.76 0.00	58.30 1.10 0.00	42.32 0.57 0.00	34.70 0.17 0.00	30.91 0.02 0.00	30.10 -0.03 0.00	32.74 -0.06 0.00	33.06 -0.10 0.00	33.00 -0.11 0.00	34.89 -0.07 0.00	35.52 0.05 0.00	43.54 0.56 0.00	58.70 1.47 0.00	87.21 2.63 0.00	72.81 2.18 0.00	55.11 1.41 0.00	46.03 0.92 0.00	44.23 0.55 0.00
MADISON___COUNTY_LFGE 323628	45.32 0.76 0.00	41.74 0.68 0.00	37.73 0.63 0.00	37.53 0.65 0.00	40.72 0.74 0.00	38.74 0.76 0.00	47.06 0.96 0.00	58.47 1.27 0.00	42.46 0.72 0.00	34.89 0.36 0.00	31.14 0.24 0.00	30.33 0.20 0.00	33.00 0.19 0.00	33.32 0.16 0.00	33.26 0.16 0.00	35.18 0.22 0.00	35.79 0.33 0.00	43.70 0.72 0.00	58.52 1.29 0.00	86.79 2.22 0.00	72.39 1.76 0.00	54.81 1.12 0.00	45.88 0.77 0.00	44.32 0.65 0.00
MALONE___115KV_TB1 356076	85.91 -0.33 -41.69	80.55 -0.14 -39.63	74.11 -0.04 -37.03	55.10 -0.04 -18.27	49.85 0.01 -9.86	38.04 0.06 0.00	46.37 0.26 0.00	57.95 0.74 0.00	42.48 0.74 0.00	34.99 0.46 0.00	31.32 0.42 0.00	30.59 0.46 0.00	33.29 0.48 0.00	33.67 0.51 0.00	33.45 0.34 0.00	35.34 0.38 0.00	36.03 0.57 0.00	43.96 0.98 0.00	58.99 1.77 0.00	87.07 2.49 0.00	72.86 2.23 0.00	55.69 1.99 0.00	46.73 1.62 0.00	45.16 1.49 0.00
MAPLEWOD_115KV_TB3 80458	45.37 0.81 0.00	41.64 0.59 0.00	37.64 0.52 0.00	37.40 0.52 0.00	40.50 0.52 0.00	38.57 0.59 0.00	46.96 0.85 0.00	58.32 1.11 0.00	42.32 0.58 0.00	34.95 0.41 0.00	31.13 0.23 0.00	30.37 0.24 0.00	33.03 0.22 0.00	33.45 0.29 0.00	33.37 0.26 0.00	35.25 0.30 0.00	35.86 0.40 0.00	43.51 0.53 0.00	58.32 1.10 0.00	86.25 1.67 0.00	72.20 1.57 0.00	55.01 1.31 0.00	46.24 1.13 0.00	44.72 1.04 0.00
MAPLE_RIDGE_WT_1 323574	44.01 -0.55 0.00	40.59 -0.47 0.00	36.80 -0.31 0.00	36.66 -0.21 0.00	39.87 -0.11 0.00	37.87 -0.11 0.00	45.98 -0.13 0.00	57.05 -0.16 0.00	41.73 -0.01 0.00	34.57 0.04 0.00	30.93 0.03 0.00	30.18 0.04 0.00	32.87 0.06 0.00	33.21 0.06 0.00	33.15 0.04 0.00	34.97 0.02 0.00	35.51 0.05 0.00	43.07 0.08 0.00	57.34 0.12 0.00	84.67 0.09 0.00	70.71 0.08 0.00	53.76 0.06 0.00	45.12 0.00 0.00	43.59 -0.09 0.00
MAPLE_RIDGE_WT_2 323611	44.01 -0.55 0.00	40.59 -0.47 0.00	36.80 -0.31 0.00	36.66 -0.21 0.00	39.87 -0.11 0.00	37.87 -0.11 0.00	45.98 -0.13 0.00	57.05 -0.16 0.00	41.73 -0.01 0.00	34.57 0.04 0.00	30.93 0.03 0.00	30.18 0.04 0.00	32.87 0.06 0.00	33.21 0.06 0.00	33.15 0.04 0.00	34.97 0.02 0.00	35.51 0.05 0.00	43.07 0.08 0.00	57.34 0.12 0.00	84.67 0.09 0.00	70.71 0.08 0.00	53.76 0.06 0.00	45.12 0.00 0.00	43.59 -0.09 0.00
MARBLE_RIVER_WT_PWR 323696	-21.00 -1.87 63.69	-21.00 -1.58 60.48	-21.00 -1.59 56.52	7.11 -1.88 27.88	22.98 -1.94 15.05	36.38 -1.60 0.00	44.67 -1.43 0.00	56.35 -0.85 0.00	41.06 -0.68 0.00	33.71 -0.82 0.00	30.36 -0.54 0.00	29.85 -0.28 0.00	32.58 -0.23 0.00	33.20 0.04 0.00	33.04 -0.07 0.00	35.16 0.20 0.00	36.04 0.58 0.00	44.16 1.17 0.00	59.45 2.23 0.00	86.96 2.38 0.00	72.90 2.27 0.00	56.01 2.31 0.00	47.05 1.94 0.00	45.28 1.60 0.00
MARSHVLE_115KV_TB1 80742	46.80 2.24 0.00	43.30 2.24 0.00	39.14 2.03 0.00	38.90 2.03 0.00	42.24 2.26 0.00	40.16 2.19 0.00	48.67 2.57 0.00	60.28 3.08 0.00	43.43 1.69 0.00	35.60 1.06 0.00	31.82 0.93 0.00	31.00 0.87 0.00	33.75 0.94 0.00	34.03 0.87 0.00	33.97 0.86 0.00	35.94 0.98 0.00	36.73 1.27 0.00	45.13 2.15 0.00	60.60 3.37 0.00	89.78 5.21 0.00	74.90 4.27 0.00	56.70 3.00 0.00	47.41 2.29 0.00	45.75 2.08 0.00
MARSH_HILL_WT_PWR 323713	41.92 -2.64 0.00	39.62 -1.44 0.00	35.73 -1.38 0.00	35.38 -1.49 0.00	38.79 -1.18 0.00	36.27 -1.71 0.00	44.29 -1.81 0.00	55.53 -1.68 0.00	40.84 -0.91 0.00	33.84 -0.69 0.00	30.34 -0.55 0.00	29.19 -0.94 0.00	31.72 -1.09 0.00	31.89 -1.27 0.00	31.90 -1.21 0.00	33.99 -0.97 0.00	34.75 -0.71 0.00	42.24 -0.74 0.00	55.22 -2.01 0.00	80.93 -3.65 0.00	66.46 -4.17 0.00	49.55 -4.07 0.08	45.34 -3.57 -3.79	40.53 -3.25 -0.10
MCINTYRE_115KV_TB2 80467	53.37 1.10 -7.71	49.59 1.20 -7.33	45.14 1.17 -6.85	41.41 1.15 -3.38	43.11 1.31 -1.83	39.13 1.15 0.00	47.43 1.33 0.00	58.79 1.58 0.00	42.80 1.06 0.00	35.05 0.52 0.00	31.27 0.38 0.00	30.50 0.36 0.00	33.26 0.45 0.00	33.56 0.40 0.00	33.42 0.32 0.00	35.16 0.20 0.00	35.79 0.33 0.00	43.62 0.63 0.00	58.65 1.42 0.00	87.44 2.87 0.00	73.16 2.53 0.00	55.84 2.14 0.00	46.85 1.73 0.00	45.38 1.71 0.00
MECO_____69_KV_BK1 80468	47.27 2.71 0.00	43.58 2.52 0.00	39.38 2.27 0.00	39.13 2.26 0.00	42.48 2.50 0.00	40.43 2.45 0.00	49.11 3.01 0.00	60.82 3.61 0.00	43.49 1.74 0.00	35.14 0.61 0.00	31.20 0.30 0.00	30.38 0.24 0.00	33.05 0.24 0.00	33.34 0.19 0.00	33.27 0.16 0.00	35.19 0.24 0.00	36.10 0.64 0.00	44.80 1.81 0.00	60.95 3.72 0.00	90.71 6.14 0.00	75.78 5.15 0.00	57.37 3.67 0.00	47.98 2.87 0.00	46.30 2.63 0.00
MENANDS___115KV_TB5 355628	45.14 0.58 0.00	41.44 0.38 0.00	37.46 0.35 0.00	37.22 0.35 0.00	40.30 0.33 0.00	38.40 0.42 0.00	46.73 0.63 0.00	58.03 0.82 0.00	42.13 0.38 0.00	34.82 0.28 0.00	31.04 0.15 0.00	30.28 0.16 0.00	32.94 0.13 0.00	33.37 0.21 0.00	33.29 0.19 0.00	35.17 0.21 0.00	35.75 0.29 0.00	43.32 0.34 0.00	58.00 0.78 0.00	85.75 1.17 0.00	71.78 1.15 0.00	54.71 1.01 0.00	46.02 0.91 0.00	44.50 0.83 0.00
MG INDUSTRY___DRP 24185	45.33 0.77 0.00	41.65 0.60 0.00	37.64 0.52 0.00	37.39 0.52 0.00	40.50 0.52 0.00	38.55 0.57 0.00	46.91 0.81 0.00	58.19 0.98 0.00	42.17 0.42 0.00	34.70 0.16 0.00	30.94 0.04 0.00	30.19 0.06 0.00	32.88 0.07 0.00	33.29 0.13 0.00	33.23 0.12 0.00	35.05 0.10 0.00	35.69 0.23 0.00	43.41 0.42 0.00	58.12 0.90 0.00	85.99 1.41 0.00	71.93 1.30 0.00	54.80 1.10 0.00	46.08 0.96 0.00	44.57 0.90 0.00



MID___OSWEGATCHIE_HYD 23849	50.26 -0.88 -6.59	46.63 -0.69 -6.26	42.57 -0.39 -5.85	39.52 -0.23 -2.89	41.49 -0.05 -1.56	37.86 -0.12 0.00	45.98 -0.12 0.00	57.27 0.06 0.00	41.67 -0.08 0.00	34.07 -0.46 0.00	30.35 -0.55 0.00	29.56 -0.57 0.00	32.19 -0.62 0.00	32.48 -0.68 0.00	32.38 -0.73 0.00	34.14 -0.81 0.00	34.77 -0.69 0.00	42.62 -0.36 0.00	57.56 0.34 0.00	85.53 0.95 0.00	71.47 0.84 0.00	54.33 0.62 0.00	45.42 0.31 0.00	43.72 0.05 0.00
MID___RAQUETTE_HYD 23851	53.84 -0.42 -9.70	50.06 -0.22 -9.22	45.65 -0.08 -8.62	41.07 -0.06 -4.25	42.28 0.01 -2.30	37.92 -0.06 0.00	46.01 -0.09 0.00	57.16 -0.05 0.00	41.81 0.06 0.00	34.41 -0.12 0.00	30.73 -0.16 0.00	29.97 -0.16 0.00	32.68 -0.13 0.00	32.97 -0.19 0.00	32.83 -0.28 0.00	34.51 -0.45 0.00	35.13 -0.33 0.00	42.83 -0.16 0.00	57.40 0.18 0.00	85.01 0.43 0.00	71.06 0.43 0.00	54.32 0.62 0.00	45.59 0.47 0.00	44.10 0.42 0.00
MILLIKEN___1 23584	45.03 0.47 0.00	41.59 0.54 0.00	37.56 0.45 0.00	37.33 0.46 0.00	40.46 0.48 0.00	38.42 0.44 0.00	46.61 0.51 0.00	57.94 0.74 0.00	42.22 0.47 0.00	34.70 0.17 0.00	30.93 0.03 0.00	30.06 -0.06 0.00	32.73 -0.08 0.00	33.00 -0.15 0.00	32.99 -0.12 0.00	34.89 -0.07 0.00	35.55 0.09 0.00	43.36 0.38 0.00	57.76 0.53 0.00	85.63 1.06 0.00	71.27 0.63 0.00	54.00 0.18 -0.12	45.44 0.04 -0.28	43.68 -0.01 -0.01
MILLIKEN___2 23585	45.03 0.47 0.00	41.59 0.54 0.00	37.56 0.45 0.00	37.33 0.46 0.00	40.46 0.48 0.00	38.42 0.44 0.00	46.61 0.51 0.00	57.94 0.74 0.00	42.22 0.47 0.00	34.70 0.17 0.00	30.93 0.03 0.00	30.06 -0.06 0.00	32.73 -0.08 0.00	33.00 -0.15 0.00	32.99 -0.12 0.00	34.89 -0.07 0.00	35.55 0.09 0.00	43.36 0.38 0.00	57.76 0.53 0.00	85.63 1.06 0.00	71.27 0.63 0.00	54.00 0.18 -0.12	45.44 0.04 -0.28	43.68 -0.01 -0.01
MILLIKEN___DIESEL 23629	45.03 0.47 0.00	41.59 0.54 0.00	37.56 0.45 0.00	37.33 0.46 0.00	40.46 0.48 0.00	38.42 0.44 0.00	46.61 0.51 0.00	57.94 0.74 0.00	42.22 0.47 0.00	34.70 0.17 0.00	30.93 0.03 0.00	30.06 -0.06 0.00	32.73 -0.08 0.00	33.00 -0.15 0.00	32.99 -0.12 0.00	34.89 -0.07 0.00	35.55 0.09 0.00	43.36 0.38 0.00	57.76 0.53 0.00	85.63 1.06 0.00	71.27 0.63 0.00	54.00 0.18 -0.12	45.44 0.04 -0.28	43.68 -0.01 -0.01
MILLSEAT___LFGE 323607	43.37 -1.19 0.00	40.48 -0.58 0.00	36.66 -0.46 0.00	36.25 -0.63 0.00	39.32 -0.66 0.00	36.61 -1.37 0.00	43.91 -2.19 0.00	54.30 -2.91 0.00	39.80 -1.94 0.00	33.16 -1.38 0.00	30.10 -0.80 0.00	29.06 -1.07 0.00	31.65 -1.16 0.00	31.57 -1.58 0.00	31.57 -1.54 0.00	33.47 -1.49 0.00	34.33 -1.13 0.00	41.25 -1.73 0.00	53.55 -3.67 0.00	78.90 -5.67 0.00	65.72 -4.91 0.00	49.73 -3.94 0.03	41.26 -3.12 0.74	41.03 -2.63 0.02
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	45.93 1.37 0.00	42.10 1.04 0.00	37.93 0.82 0.00	37.69 0.82 0.00	40.89 0.92 0.00	39.02 1.04 0.00	47.52 1.42 0.00	59.00 1.79 0.00	43.02 1.27 0.00	35.53 0.99 0.00	31.71 0.82 0.00	30.91 0.78 0.00	33.55 0.75 0.00	34.00 0.85 0.00	34.04 0.93 0.00	36.12 1.16 0.00	36.44 0.98 0.00	44.28 1.29 0.00	59.09 1.87 0.00	87.71 3.14 0.00	73.48 2.85 0.00	55.82 2.12 0.00	46.78 1.66 0.00	45.19 1.51 0.00
MILLWOOD_13_KV_LOAD 356217	45.98 1.42 0.00	42.15 1.09 0.00	37.97 0.86 0.00	37.74 0.86 0.00	40.95 0.97 0.00	39.08 1.10 0.00	47.58 1.48 0.00	59.08 1.88 0.00	43.07 1.33 0.00	35.57 1.03 0.00	31.74 0.85 0.00	30.94 0.82 0.00	33.59 0.78 0.00	34.04 0.88 0.00	34.07 0.96 0.00	36.15 1.19 0.00	36.47 1.01 0.00	44.33 1.34 0.00	59.15 1.93 0.00	87.84 3.26 0.00	73.59 2.96 0.00	55.89 2.19 0.00	46.84 1.72 0.00	45.25 1.57 0.00
MODEL_CITY_ENERGY 24167	41.97 -2.59 0.00	39.26 -1.80 0.00	35.59 -1.52 0.00	35.15 -1.72 0.00	38.12 -1.86 0.00	35.38 -2.60 0.00	42.31 -3.79 0.00	52.25 -4.96 0.00	38.42 -3.33 0.00	32.21 -2.32 0.00	29.41 -1.49 0.00	28.46 -1.67 0.00	30.90 -1.90 0.00	30.87 -2.29 0.00	30.89 -2.21 0.00	32.74 -2.22 0.00	33.43 -2.03 0.00	39.84 -3.14 0.00	51.35 -5.87 0.00	75.42 -9.16 0.00	62.80 -7.83 0.00	47.65 -6.01 0.04	39.49 -4.75 0.88	39.61 -4.05 0.02
MODERN_LFGE___ 323580	41.97 -2.59 0.00	39.26 -1.80 0.00	35.59 -1.52 0.00	35.15 -1.72 0.00	38.12 -1.86 0.00	35.38 -2.60 0.00	42.31 -3.79 0.00	52.25 -4.96 0.00	38.42 -3.33 0.00	32.21 -2.32 0.00	29.41 -1.49 0.00	28.46 -1.67 0.00	30.90 -1.90 0.00	30.87 -2.29 0.00	30.89 -2.21 0.00	32.74 -2.22 0.00	33.43 -2.03 0.00	39.84 -3.14 0.00	51.35 -5.87 0.00	75.42 -9.16 0.00	62.80 -7.83 0.00	47.65 -6.01 0.04	39.49 -4.75 0.88	39.61 -4.05 0.02
MOHAWK_PAPER___DRP 24187	45.37 0.81 0.00	41.64 0.59 0.00	37.64 0.52 0.00	37.40 0.52 0.00	40.50 0.52 0.00	38.57 0.59 0.00	46.96 0.85 0.00	58.32 1.11 0.00	42.32 0.58 0.00	34.95 0.41 0.00	31.13 0.23 0.00	30.37 0.24 0.00	33.03 0.22 0.00	33.45 0.29 0.00	33.37 0.26 0.00	35.25 0.30 0.00	35.86 0.40 0.00	43.51 0.53 0.00	58.32 1.10 0.00	86.25 1.67 0.00	72.20 1.57 0.00	55.01 1.31 0.00	46.24 1.13 0.00	44.72 1.04 0.00
MOHICAN___35_KV_115KV_LD 80490	47.88 3.32 0.00	43.32 2.26 0.00	39.02 1.91 0.00	38.77 1.90 0.00	42.04 2.06 0.00	40.16 2.18 0.00	49.16 3.06 0.00	61.21 4.00 0.00	44.08 2.33 0.00	36.02 1.49 0.00	31.88 0.98 0.00	31.05 0.93 0.00	33.79 0.98 0.00	34.19 1.04 0.00	34.06 0.96 0.00	36.25 1.30 0.00	37.22 1.76 0.00	44.86 1.88 0.00	61.06 3.83 0.00	90.46 5.88 0.00	75.77 5.14 0.00	57.52 3.82 0.00	48.14 3.02 0.00	46.48 2.81 0.00
MONGAUP___HYD 23641	46.24 1.68 0.00	42.45 1.39 0.00	38.26 1.15 0.00	38.03 1.16 0.00	41.27 1.29 0.00	39.33 1.35 0.00	47.53 1.43 0.00	58.50 1.29 0.00	43.03 1.29 0.00	35.29 0.75 0.00	31.34 0.44 0.00	30.51 0.38 0.00	33.14 0.33 0.00	33.57 0.41 0.00	33.58 0.47 0.00	35.56 0.60 0.00	35.95 0.49 0.00	43.76 0.78 0.00	58.41 1.19 0.00	87.10 2.52 0.00	72.97 2.34 0.00	55.78 2.08 0.00	46.77 1.65 0.00	45.40 1.73 0.00
MONTAUK___DIESEL 23721	44.43 -0.13 0.00	40.00 -1.06 0.00	36.02 -1.09 0.00	35.82 -1.05 0.00	39.05 -0.93 0.00	37.49 -0.48 0.00	46.24 0.14 0.00	56.58 -0.63 0.00	41.14 -0.61 0.00	11.78 -0.47 22.29	5.41 -0.54 24.95	7.01 -0.57 22.56	32.42 -0.39 0.00	33.09 -0.07 0.00	33.31 0.20 0.00	35.92 0.96 0.00	35.78 0.32 0.00	43.92 0.92 -0.01	58.99 1.77 0.00	88.58 4.00 0.00	74.56 3.93 0.00	57.28 3.36 -0.21	48.94 3.10 -0.73	46.80 3.12 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	45.01 0.45 0.00	41.80 0.75 0.00	37.61 0.50 0.00	37.30 0.43 0.00	40.53 0.55 0.00	37.87 -0.11 0.00	45.64 -0.46 0.00	56.82 -0.38 0.00	41.73 -0.01 0.00	34.76 0.22 0.00	31.48 0.58 0.00	30.58 0.45 0.00	33.26 0.45 0.00	33.37 0.22 0.00	33.33 0.22 0.00	35.34 0.38 0.00	35.66 0.20 0.00	42.80 -0.19 0.00	55.03 -2.19 0.00	80.17 -4.41 0.00	66.62 -4.02 0.00	50.19 -3.47 0.05	40.85 -3.95 0.32	40.02 -3.65 0.01



MORRIS_RIDGE___SOLAR 323848	42.28 -2.27 0.00	39.61 -1.45 0.00	35.73 -1.38 0.00	35.40 -1.47 0.00	38.65 -1.33 0.00	36.24 -1.73 0.00	43.85 -2.26 0.00	54.62 -2.59 0.00	40.05 -1.69 0.00	33.16 -1.38 0.00	29.79 -1.10 0.00	28.69 -1.45 0.00	31.19 -1.62 0.00	31.34 -1.81 0.00	31.37 -1.73 0.00	33.45 -1.51 0.00	34.19 -1.28 0.00	41.48 -1.50 0.00	54.09 -3.13 0.00	79.37 -5.20 0.00	65.66 -4.97 0.00	49.14 -4.46 0.10	33.42 -3.92 7.78	40.02 -3.45 0.21
MORTIMER_115KV_TB3 55949	43.57 -0.99 0.00	40.45 -0.61 0.00	36.63 -0.49 0.00	36.29 -0.58 0.00	39.35 -0.62 0.00	36.93 -1.06 0.00	44.47 -1.63 0.00	55.08 -2.12 0.00	40.25 -1.49 0.00	33.44 -1.10 0.00	30.24 -0.65 0.00	29.36 -0.77 0.00	31.89 -0.92 0.00	32.01 -1.14 0.00	32.04 -1.06 0.00	33.98 -0.98 0.00	34.66 -0.80 0.00	41.75 -1.24 0.00	54.63 -2.59 0.00	80.60 -3.97 0.00	67.13 -3.50 0.00	50.77 -2.91 0.02	42.80 -2.32 0.00	41.63 -2.05 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	46.29 1.73 0.00	42.39 1.33 0.00	38.17 1.06 0.00	37.93 1.06 0.00	41.14 1.16 0.00	39.26 1.28 0.00	47.81 1.71 0.00	59.38 2.17 0.00	43.33 1.58 0.00	35.82 1.28 0.00	32.01 1.12 0.00	31.20 1.08 0.00	33.85 1.04 0.00	34.31 1.15 0.00	34.34 1.24 0.00	36.45 1.49 0.00	36.78 1.32 0.00	44.66 1.67 0.00	59.55 2.33 0.00	88.38 3.81 0.00	74.07 3.44 0.00	56.28 2.58 0.00	47.17 2.05 0.00	45.53 1.85 0.00
MUNSVILLE_WIND_PWR 323609	45.35 0.79 0.00	42.08 1.02 0.00	37.97 0.86 0.00	37.92 1.05 0.00	41.03 1.05 0.00	39.50 1.52 0.00	48.30 2.20 0.00	60.53 3.32 0.00	44.32 2.58 0.00	36.01 1.48 0.00	32.07 1.17 0.00	31.34 1.21 0.00	34.21 1.40 0.00	34.37 1.22 0.00	34.36 1.26 0.00	36.47 1.52 0.00	37.39 1.93 0.00	46.29 3.31 0.00	62.07 4.84 0.00	92.32 7.74 0.00	76.40 5.77 0.00	57.27 3.50 -0.06	47.51 2.19 -0.21	45.08 1.40 -0.01
N SALMON___HYD 24042	85.90 -0.35 -41.69	80.53 -0.15 -39.63	74.10 -0.05 -37.03	55.10 -0.04 -18.27	49.85 0.01 -9.86	38.04 0.06 0.00	46.37 0.27 0.00	57.95 0.74 0.00	42.48 0.74 0.00	34.99 0.46 0.00	31.32 0.42 0.00	30.59 0.46 0.00	33.29 0.48 0.00	33.67 0.51 0.00	33.44 0.34 0.00	35.34 0.38 0.00	36.03 0.57 0.00	43.96 0.98 0.00	58.99 1.77 0.00	87.07 2.49 0.00	72.86 2.23 0.00	55.69 1.99 0.00	46.73 1.61 0.00	45.17 1.49 0.00
N.AKRON__115KV_KNAPP 355671	43.27 -1.29 0.00	40.41 -0.65 0.00	36.59 -0.51 0.00	36.19 -0.69 0.00	39.27 -0.71 0.00	36.55 -1.43 0.00	43.82 -2.28 0.00	54.20 -3.00 0.00	39.74 -2.00 0.00	33.12 -1.42 0.00	30.08 -0.81 0.00	29.07 -1.06 0.00	31.87 -0.94 0.00	31.72 -1.43 0.00	31.64 -1.47 0.00	33.48 -1.48 0.00	34.31 -1.16 0.00	41.17 -1.81 0.00	53.39 -3.84 0.00	78.65 -5.92 0.00	65.51 -5.12 0.00	49.56 -4.10 0.04	41.08 -3.24 0.80	40.94 -2.71 0.02
N.BELMOR_69_KV_BK1 55787	46.47 1.91 0.00	42.31 1.26 0.00	38.07 0.97 0.00	37.82 0.95 0.00	41.13 1.15 0.00	39.33 1.36 0.00	48.04 1.94 0.00	59.34 2.13 0.00	43.25 1.50 0.00	35.74 1.20 0.00	31.89 0.99 0.00	30.98 0.85 0.00	33.61 0.80 0.00	34.07 0.91 0.00	34.24 1.14 0.00	36.75 1.79 0.00	36.90 1.44 0.00	45.00 1.96 -0.06	60.08 2.85 0.00	88.97 4.39 0.00	74.59 3.96 0.00	58.19 3.22 -1.27	52.13 2.66 -4.36	46.13 2.45 0.00
N.E_GEN_SANDY PD 24062	45.57 1.01 0.00	41.74 0.69 0.00	37.68 0.57 0.00	37.43 0.56 0.00	40.55 0.57 0.00	38.67 0.69 0.00	47.15 1.05 0.00	58.61 1.41 0.00	42.33 0.78 0.20	35.12 0.58 0.00	31.27 0.37 0.00	30.51 0.38 0.00	33.13 0.32 0.00	33.59 0.43 0.00	33.52 0.41 0.00	35.49 0.52 -0.02	34.39 0.53 1.60	42.60 0.60 0.98	58.88 1.25 -0.41	85.26 1.97 1.29	72.54 1.91 0.00	56.04 1.58 -0.75	46.48 1.36 0.00	44.95 1.27 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	45.82 1.26 0.00	42.03 0.97 0.00	37.86 0.75 0.00	37.63 0.76 0.00	40.84 0.86 0.00	38.97 0.99 0.00	47.44 1.33 0.00	58.91 1.70 0.00	42.95 1.20 0.00	35.46 0.92 0.00	31.62 0.72 0.00	30.84 0.71 0.00	33.46 0.65 0.00	33.93 0.77 0.00	33.96 0.86 0.00	36.04 1.08 0.00	36.34 0.87 0.00	44.18 1.20 0.00	58.93 1.71 0.00	87.55 2.97 0.00	73.34 2.70 0.00	55.64 1.94 0.00	46.63 1.51 0.00	45.06 1.38 0.00
N.QUEENS_27_KV_LOAD 356247	46.28 1.72 0.00	42.37 1.31 0.00	38.12 1.01 0.00	37.87 1.00 0.00	41.08 1.10 0.00	39.19 1.21 0.00	47.73 1.63 0.00	59.19 1.98 0.00	43.32 1.57 0.00	35.87 1.33 0.00	32.05 1.15 -0.01	31.23 1.09 -0.01	33.89 1.08 -0.01	34.36 1.20 -0.01	34.37 1.26 -0.01	36.47 1.51 0.00	36.78 1.32 0.00	44.61 1.63 0.00	59.47 2.25 0.00	88.35 3.77 0.00	74.08 3.45 -0.01	56.29 2.59 -0.01	47.15 2.03 0.00	45.49 1.82 0.00
N.TROY___115KV_TB1 355778	45.46 0.90 0.00	41.69 0.63 0.00	37.67 0.56 0.00	37.43 0.56 0.00	40.54 0.56 0.00	38.62 0.64 0.00	47.08 0.98 0.00	58.46 1.25 0.00	42.38 0.63 0.00	34.95 0.41 0.00	31.08 0.19 0.00	30.33 0.20 0.00	32.98 0.17 0.00	33.40 0.24 0.00	33.31 0.20 0.00	35.23 0.28 0.00	35.85 0.39 0.00	43.57 0.59 0.00	58.46 1.24 0.00	86.47 1.89 0.00	72.42 1.79 0.00	55.16 1.46 0.00	46.39 1.27 0.00	44.87 1.20 0.00
NARROWS_GT1_1 24228	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT1_2 24229	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT1_3 24230	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT1_4 24231	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19



NARROWS_GT1_5 24232	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT1_6 24233	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT1_7 24234	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT1_8 24235	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT2_1 24236	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT2_2 24237	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT2_3 24238	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT2_4 24239	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT2_5 24240	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT2_6 24241	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT2_7 24242	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NARROWS_GT2_8 24243	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	46.25 1.69 0.00	42.47 1.41 0.00	38.38 1.27 0.00	38.13 1.26 0.00	41.32 1.34 0.00	39.36 1.39 0.00	47.96 1.86 0.00	59.61 2.40 0.00	43.14 1.39 0.00	35.31 0.78 0.00	31.38 0.48 0.00	30.57 0.44 0.00	33.27 0.46 0.00	33.65 0.49 0.00	33.56 0.45 0.00	35.42 0.46 0.00	36.16 0.70 0.00	44.13 1.15 0.00	59.46 2.24 0.00	88.28 3.70 0.00	73.85 3.22 0.00	56.18 2.48 0.00	47.15 2.04 0.00	45.52 1.85 0.00
NCHELSEA_115KV_TR2 355582	46.29 1.74 0.00	42.44 1.39 0.00	38.26 1.15 0.00	38.01 1.14 0.00	41.24 1.27 0.00	39.35 1.37 0.00	47.92 1.82 0.00	59.54 2.33 0.00	43.36 1.61 0.00	35.77 1.24 0.00	31.91 1.02 0.00	31.09 0.96 0.00	33.75 0.94 0.00	34.19 1.03 0.00	34.21 1.10 0.00	36.26 1.31 0.00	36.70 1.24 0.00	44.63 1.64 0.00	59.63 2.40 0.00	88.50 3.92 0.00	74.12 3.49 0.00	56.30 2.60 0.00	47.15 2.04 0.00	45.53 1.85 0.00
NEG CAPITAL___MECHNVIL 23645	46.28 1.72 0.00	42.47 1.42 0.00	38.34 1.23 0.00	38.10 1.23 0.00	41.29 1.31 0.00	39.34 1.36 0.00	47.97 1.87 0.00	59.57 2.37 0.00	43.11 1.36 0.00	35.43 0.89 0.00	31.50 0.60 0.00	30.73 0.60 0.00	33.43 0.62 0.00	33.83 0.67 0.00	33.73 0.63 0.00	35.72 0.77 0.00	36.47 1.01 0.00	44.48 1.50 0.00	59.75 2.53 0.00	88.42 3.84 0.00	73.98 3.35 0.00	56.25 2.55 0.00	47.20 2.08 0.00	45.62 1.95 0.00



NEG CENTRAL_HIGH_ACRES 23767	43.06 -1.50 0.00	39.91 -1.15 0.00	36.12 -0.99 0.00	35.83 -1.04 0.00	38.86 -1.12 0.00	36.56 -1.42 0.00	44.11 -1.99 0.00	54.66 -2.55 0.00	39.91 -1.83 0.00	33.09 -1.45 0.00	29.83 -1.07 0.00	28.97 -1.16 0.00	31.46 -1.35 0.00	31.62 -1.54 0.00	31.65 -1.45 0.00	33.56 -1.39 0.00	34.25 -1.21 0.00	41.34 -1.64 0.00	54.31 -2.92 0.00	80.17 -4.40 0.00	66.75 -3.88 0.00	50.48 -3.20 0.02	42.50 -2.62 0.00	41.26 -2.41 0.00
NEG CENTRAL___DRP 24199	44.30 -0.26 0.00	41.01 -0.04 0.00	37.06 -0.06 0.00	36.80 -0.07 0.00	39.92 -0.06 0.00	37.77 -0.21 0.00	45.75 -0.35 0.00	56.82 -0.38 0.00	41.45 -0.29 0.00	34.18 -0.35 0.00	30.57 -0.32 0.00	29.71 -0.42 0.00	32.32 -0.49 0.00	32.57 -0.59 0.00	32.55 -0.55 0.00	34.47 -0.48 0.00	35.12 -0.34 0.00	42.72 -0.27 0.00	56.50 -0.72 0.00	83.43 -1.15 0.00	69.38 -1.25 0.00	52.47 -1.21 0.03	44.41 -1.06 -0.35	42.72 -0.96 -0.01
NEG CENTRAL___INDECK 23768	44.35 -0.20 0.00	41.38 0.32 0.00	37.37 0.26 0.00	37.04 0.17 0.00	40.36 0.38 0.00	37.88 -0.10 0.00	45.76 -0.34 0.00	56.95 -0.25 0.00	41.51 -0.24 0.00	34.03 -0.51 0.00	30.56 -0.33 0.00	29.51 -0.62 0.00	32.04 -0.77 0.00	32.15 -1.00 0.00	32.18 -0.93 0.00	34.27 -0.68 0.00	35.12 -0.34 0.00	42.73 -0.26 0.00	56.22 -1.00 0.00	83.17 -1.40 0.00	69.07 -1.56 0.00	51.90 -1.76 0.04	47.34 -1.59 -3.81	42.40 -1.38 -0.10
NEG CENTRAL___SENECA 23627	44.29 -0.27 0.00	41.06 0.00 0.00	37.06 -0.05 0.00	36.81 -0.07 0.00	39.98 0.01 0.00	37.76 -0.22 0.00	45.72 -0.38 0.00	56.81 -0.39 0.00	41.47 -0.27 0.00	34.18 -0.35 0.00	30.55 -0.35 0.00	29.66 -0.47 0.00	32.25 -0.56 0.00	32.47 -0.68 0.00	32.46 -0.65 0.00	34.43 -0.53 0.00	35.12 -0.34 0.00	42.78 -0.21 0.00	56.42 -0.80 0.00	83.27 -1.30 0.00	69.20 -1.43 0.00	52.28 -1.38 0.05	44.44 -1.24 -0.56	42.62 -1.07 -0.02
NEG CENTRAL___STATE_STREET 24147	44.69 0.13 0.00	41.30 0.24 0.00	37.34 0.23 0.00	37.11 0.24 0.00	40.10 0.12 0.00	38.05 0.07 0.00	46.20 0.10 0.00	57.37 0.16 0.00	41.80 0.06 0.00	34.43 -0.11 0.00	30.79 -0.11 0.00	29.97 -0.16 0.00	32.60 -0.21 0.00	32.89 -0.26 0.00	32.89 -0.22 0.00	34.70 -0.26 0.00	35.37 -0.09 0.00	42.95 -0.04 0.00	57.10 -0.13 0.00	84.45 -0.13 0.00	70.15 -0.48 0.00	53.09 -0.63 -0.01	44.64 -0.47 0.00	43.23 -0.45 0.00
NEG MILLWOOD___DRP 24198	46.45 1.89 0.00	42.57 1.51 0.00	38.36 1.25 0.00	38.12 1.25 0.00	41.36 1.38 0.00	39.48 1.50 0.00	48.11 2.01 0.00	59.76 2.55 0.00	43.56 1.81 0.00	35.95 1.42 0.00	32.10 1.20 0.00	31.26 1.14 0.00	33.93 1.12 0.00	34.36 1.20 0.00	34.37 1.27 0.00	36.46 1.51 0.00	36.86 1.40 0.00	44.81 1.83 0.00	59.86 2.64 0.00	88.87 4.30 0.00	74.44 3.80 0.00	56.53 2.83 0.00	47.35 2.23 0.00	45.69 2.01 0.00
NEG NORTH_FLCN_SEA 23793	-20.59 -1.45 63.70	-20.61 -1.18 60.49	-20.55 -1.13 56.53	7.70 -1.28 27.88	23.62 -1.31 15.06	36.93 -1.05 0.00	45.28 -0.82 0.00	56.90 -0.31 0.00	41.41 -0.33 0.00	33.95 -0.59 0.00	30.51 -0.38 0.00	29.93 -0.20 0.00	32.66 -0.15 0.00	33.30 0.14 0.00	33.23 0.12 0.00	35.31 0.35 0.00	36.14 0.68 0.00	44.24 1.25 0.00	59.44 2.22 0.00	86.67 2.10 0.00	72.69 2.06 0.00	55.95 2.25 0.00	47.00 1.88 0.00	45.32 1.64 0.00
NEG NORTH_KES_CHATEGAY 23792	-23.67 -0.96 67.27	-23.58 -0.75 63.89	-23.18 -0.59 59.70	6.81 -0.61 29.45	23.41 -0.67 15.90	37.45 -0.53 0.00	45.70 -0.40 0.00	57.19 -0.01 0.00	41.84 0.10 0.00	34.51 -0.02 0.00	30.95 0.06 0.00	30.29 0.16 0.00	33.01 0.20 0.00	33.45 0.29 0.00	33.26 0.16 0.00	35.21 0.25 0.00	35.92 0.46 0.00	43.76 0.77 0.00	58.73 1.51 0.00	86.43 1.85 0.00	72.32 1.69 0.00	55.31 1.61 0.00	46.48 1.36 0.00	44.93 1.26 0.00
NEG NORTH___ALICE_FALLS 23915	-20.75 -1.04 64.27	-20.74 -0.77 61.03	-20.65 -0.73 57.03	7.89 -0.84 28.13	23.95 -0.84 15.19	37.33 -0.64 0.00	45.71 -0.40 0.00	57.41 0.20 0.00	41.84 0.10 0.00	34.34 -0.20 0.00	30.83 -0.06 0.00	30.21 0.08 0.00	32.95 0.14 0.00	33.51 0.36 0.00	33.40 0.29 0.00	35.45 0.50 0.00	36.26 0.80 0.00	44.36 1.38 0.00	59.65 2.43 0.00	87.38 2.80 0.00	73.25 2.61 0.00	56.21 2.51 0.00	47.19 2.08 0.00	45.51 1.83 0.00
NEG NORTH___LWR_SARANAC 23913	-20.75 -1.04 64.27	-20.74 -0.77 61.03	-20.65 -0.73 57.03	7.89 -0.84 28.13	23.95 -0.84 15.19	37.33 -0.64 0.00	45.71 -0.40 0.00	57.41 0.20 0.00	41.84 0.10 0.00	34.34 -0.20 0.00	30.83 -0.06 0.00	30.21 0.08 0.00	32.95 0.14 0.00	33.51 0.36 0.00	33.40 0.29 0.00	35.45 0.50 0.00	36.26 0.80 0.00	44.36 1.38 0.00	59.65 2.43 0.00	87.38 2.80 0.00	73.25 2.61 0.00	56.21 2.51 0.00	47.19 2.08 0.00	45.51 1.83 0.00
NEG NORTH___PLATTSBURG 23628	-20.77 -1.07 64.27	-20.77 -0.79 61.03	-20.67 -0.75 57.03	7.89 -0.84 28.13	23.95 -0.84 15.19	37.33 -0.64 0.00	45.71 -0.39 0.00	57.41 0.20 0.00	41.84 0.10 0.00	34.34 -0.20 0.00	30.83 -0.06 0.00	30.21 0.08 0.00	32.95 0.14 0.00	33.51 0.36 0.00	33.39 0.29 0.00	35.45 0.50 0.00	36.26 0.80 0.00	44.36 1.38 0.00	59.65 2.43 0.00	87.38 2.80 0.00	73.25 2.61 0.00	56.22 2.51 0.00	47.19 2.07 0.00	45.51 1.83 0.00
NEG WEST_LEA_LOCKPORT 23791	42.31 -2.24 0.00	39.57 -1.48 0.00	35.87 -1.24 0.00	35.45 -1.42 0.00	38.46 -1.52 0.00	35.72 -2.26 0.00	42.76 -3.35 0.00	52.84 -4.37 0.00	38.81 -2.93 0.00	32.50 -2.04 0.00	29.63 -1.27 0.00	28.67 -1.46 0.00	31.16 -1.65 0.00	31.11 -2.04 0.00	31.14 -1.97 0.00	33.00 -1.96 0.00	33.72 -1.74 0.00	40.26 -2.72 0.00	51.96 -5.27 0.00	76.32 -8.26 0.00	63.52 -7.11 0.00	48.11 -5.55 0.04	39.63 -4.38 1.10	39.92 -3.73 0.03
NEG WEST___LANCASTR 23811	43.89 -0.67 0.00	40.99 -0.06 0.00	37.07 -0.04 0.00	36.70 -0.17 0.00	39.85 -0.13 0.00	37.06 -0.92 0.00	44.42 -1.68 0.00	55.05 -2.16 0.00	40.36 -1.38 0.00	33.75 -0.79 0.00	30.66 -0.24 0.00	29.75 -0.38 0.00	32.44 -0.37 0.00	32.43 -0.73 0.00	32.43 -0.67 0.00	34.40 -0.55 0.00	34.95 -0.51 0.00	42.06 -0.92 0.00	54.28 -2.95 0.00	79.82 -4.75 0.00	66.29 -4.34 0.00	50.03 -3.63 0.05	41.74 -2.88 0.50	41.36 -2.30 0.01
NEG_PENN_ALLEGHNY 23528	44.36 -0.20 0.00	40.96 -0.09 0.00	36.94 -0.17 0.00	36.69 -0.18 0.00	39.85 -0.13 0.00	37.75 -0.23 0.00	45.70 -0.41 0.00	56.81 -0.40 0.00	41.49 -0.25 0.00	34.34 -0.19 0.00	30.78 -0.11 0.00	30.02 -0.11 0.00	32.71 -0.10 0.00	32.99 -0.16 0.00	32.95 -0.15 0.00	34.88 -0.08 0.00	35.33 -0.13 0.00	42.91 -0.08 0.00	56.68 -0.55 0.00	83.90 -0.67 0.00	69.85 -0.78 0.00	52.83 -0.85 0.02	44.31 -0.80 0.00	42.98 -0.69 0.00
NEG___GEN_MONROE 24207	43.83 -0.73 0.00	40.72 -0.33 0.00	36.86 -0.25 0.00	36.53 -0.34 0.00	39.61 -0.37 0.00	37.12 -0.86 0.00	44.68 -1.42 0.00	55.34 -1.87 0.00	40.44 -1.31 0.00	33.54 -0.99 0.00	30.33 -0.57 0.00	29.38 -0.75 0.00	31.91 -0.89 0.00	32.00 -1.16 0.00	32.03 -1.08 0.00	33.98 -0.98 0.00	34.73 -0.73 0.00	41.89 -1.09 0.00	54.81 -2.41 0.00	80.96 -3.62 0.00	67.42 -3.22 0.00	50.96 -2.71 0.02	42.78 -2.15 0.18	41.80 -1.87 0.00



NEPA__ENERGY 23901	43.80 -0.76 0.00	40.70 -0.36 0.00	36.64 -0.47 0.00	36.35 -0.53 0.00	39.53 -0.45 0.00	36.99 -1.00 0.00	44.44 -1.67 0.00	55.28 -1.93 0.00	40.56 -1.19 0.00	33.78 -0.76 0.00	30.59 -0.31 0.00	29.80 -0.33 0.00	32.44 -0.37 0.00	32.57 -0.58 0.00	32.54 -0.56 0.00	34.54 -0.41 0.00	34.80 -0.66 0.00	41.95 -1.04 0.00	54.14 -3.08 0.00	79.81 -4.76 0.00	66.18 -4.45 0.00	49.87 -3.79 0.05	41.17 -3.47 0.48	40.77 -2.89 0.01
NEVERSink__HYD 23608	46.29 1.73 0.00	42.50 1.45 0.00	38.32 1.21 0.00	38.08 1.21 0.00	41.35 1.37 0.00	39.41 1.43 0.00	47.97 1.87 0.00	59.56 2.35 0.00	43.37 1.63 0.00	35.70 1.17 0.00	31.76 0.86 0.00	30.91 0.78 0.00	33.56 0.75 0.00	33.95 0.80 0.00	33.96 0.85 0.00	36.00 1.04 0.00	36.47 1.01 0.00	44.47 1.48 0.00	59.37 2.14 0.00	88.35 3.78 0.00	73.97 3.34 0.00	56.16 2.46 0.00	47.01 1.89 0.00	45.38 1.70 0.00
NEWKRMKL_115KV_TB1 55635	45.08 0.52 0.00	41.38 0.33 0.00	37.40 0.29 0.00	37.17 0.30 0.00	40.26 0.28 0.00	38.34 0.36 0.00	46.68 0.58 0.00	57.94 0.74 0.00	42.08 0.34 0.00	34.76 0.22 0.00	31.01 0.11 0.00	30.25 0.12 0.00	32.91 0.10 0.00	33.33 0.18 0.00	33.26 0.15 0.00	35.12 0.16 0.00	35.71 0.25 0.00	43.31 0.33 0.00	57.96 0.74 0.00	85.71 1.14 0.00	71.71 1.08 0.00	54.64 0.93 0.00	45.93 0.81 0.00	44.41 0.73 0.00
NEWTON__FALLS_HYD 23847	50.26 -0.88 -6.59	46.63 -0.69 -6.26	42.57 -0.39 -5.85	39.52 -0.23 -2.89	41.49 -0.05 -1.56	37.86 -0.12 0.00	45.98 -0.12 0.00	57.27 0.06 0.00	41.67 -0.08 0.00	34.07 -0.46 0.00	30.35 -0.55 0.00	29.56 -0.57 0.00	32.19 -0.62 0.00	32.48 -0.68 0.00	32.38 -0.73 0.00	34.14 -0.81 0.00	34.77 -0.69 0.00	42.62 -0.36 0.00	57.56 0.34 0.00	85.53 0.95 0.00	71.47 0.84 0.00	54.33 0.62 0.00	45.42 0.31 0.00	43.72 0.05 0.00
NGRID_A1_DSASP 323792	41.86 -2.70 0.00	39.14 -1.92 0.00	35.52 -1.59 0.00	35.10 -1.77 0.00	38.05 -1.93 0.00	35.28 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.45 -1.68 0.00	30.89 -1.92 0.00	30.86 -2.29 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.24 0.00	51.07 -6.15 0.00	75.05 -9.52 0.00	62.48 -8.15 0.00	47.40 -6.26 0.04	39.33 -4.92 0.86	39.44 -4.21 0.02
NGRID_A2_DSASP 323793	41.86 -2.70 0.00	39.14 -1.92 0.00	35.52 -1.59 0.00	35.10 -1.77 0.00	38.05 -1.93 0.00	35.28 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.45 -1.68 0.00	30.89 -1.92 0.00	30.86 -2.29 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.24 0.00	51.07 -6.15 0.00	75.05 -9.52 0.00	62.48 -8.15 0.00	47.40 -6.26 0.04	39.33 -4.92 0.86	39.44 -4.21 0.02
NGRID_A4_DSASP 323807	41.86 -2.70 0.00	39.14 -1.92 0.00	35.52 -1.59 0.00	35.10 -1.77 0.00	38.05 -1.93 0.00	35.28 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.45 -1.68 0.00	30.89 -1.92 0.00	30.86 -2.29 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.24 0.00	51.07 -6.15 0.00	75.05 -9.52 0.00	62.48 -8.15 0.00	47.40 -6.26 0.04	39.33 -4.92 0.86	39.44 -4.21 0.02
NIAGARA_115E_LBMP 323715	41.74 -2.82 0.00	39.07 -1.99 0.00	35.41 -1.70 0.00	34.97 -1.90 0.00	37.92 -2.06 0.00	35.18 -2.80 0.00	42.05 -4.05 0.00	51.92 -5.28 0.00	38.19 -3.55 0.00	32.05 -2.48 0.00	29.28 -1.62 0.00	28.34 -1.79 0.00	30.77 -2.04 0.00	30.72 -2.43 0.00	30.76 -2.35 0.00	32.59 -2.37 0.00	33.28 -2.18 0.00	39.60 -3.39 0.00	51.00 -6.22 0.00	74.88 -9.70 0.00	62.36 -8.27 0.00	47.35 -6.31 0.04	39.27 -4.98 0.86	39.40 -4.25 0.02
NIAGARA_115W_LBMP 323714	41.73 -2.83 0.00	39.03 -2.02 0.00	35.41 -1.70 0.00	35.00 -1.88 0.00	37.94 -2.04 0.00	35.18 -2.79 0.00	42.05 -4.05 0.00	51.89 -5.32 0.00	38.13 -3.61 0.00	32.04 -2.49 0.00	29.28 -1.62 0.00	28.37 -1.76 0.00	30.81 -2.00 0.00	30.78 -2.38 0.00	30.81 -2.30 0.00	32.64 -2.31 0.00	33.30 -2.17 0.00	39.62 -3.36 0.00	50.94 -6.29 0.00	74.83 -9.75 0.00	62.32 -8.32 0.00	47.25 -6.41 0.04	39.21 -5.03 0.87	39.33 -4.32 0.02
NIAGARA_230_LBMP 323716	42.15 -2.41 0.00	39.37 -1.68 0.00	35.72 -1.39 0.00	35.33 -1.55 0.00	38.30 -1.68 0.00	35.56 -2.42 0.00	42.52 -3.58 0.00	52.51 -4.70 0.00	38.56 -3.18 0.00	32.34 -2.19 0.00	29.52 -1.38 0.00	28.61 -1.52 0.00	31.09 -1.72 0.00	31.07 -2.09 0.00	31.10 -2.01 0.00	32.95 -2.00 0.00	33.58 -1.88 0.00	40.06 -2.92 0.00	51.61 -5.61 0.00	75.84 -8.74 0.00	63.12 -7.52 0.00	47.83 -5.83 0.04	39.65 -4.57 0.90	39.73 -3.92 0.02
NIAGARA__115KV_198_GIBSON 55903	41.73 -2.84 0.00	39.03 -2.03 0.00	35.41 -1.70 0.00	35.00 -1.88 0.00	37.93 -2.05 0.00	35.18 -2.80 0.00	42.04 -4.06 0.00	51.89 -5.31 0.00	38.13 -3.62 0.00	32.04 -2.49 0.00	29.28 -1.62 0.00	28.37 -1.76 0.00	30.81 -2.00 0.00	30.77 -2.39 0.00	30.80 -2.31 0.00	32.64 -2.31 0.00	33.30 -2.16 0.00	39.62 -3.36 0.00	50.92 -6.31 0.00	74.84 -9.74 0.00	62.31 -8.33 0.00	47.26 -6.41 0.04	39.20 -5.04 0.87	39.33 -4.32 0.02
NIAGARA____ 23760	42.15 -2.41 0.00	39.37 -1.68 0.00	35.72 -1.39 0.00	35.33 -1.55 0.00	38.30 -1.68 0.00	35.56 -2.42 0.00	42.52 -3.58 0.00	52.51 -4.70 0.00	38.56 -3.18 0.00	32.34 -2.19 0.00	29.52 -1.38 0.00	28.61 -1.52 0.00	31.09 -1.72 0.00	31.07 -2.09 0.00	31.10 -2.01 0.00	32.95 -2.00 0.00	33.58 -1.88 0.00	40.06 -2.92 0.00	51.61 -5.61 0.00	75.84 -8.74 0.00	63.12 -7.52 0.00	47.83 -5.83 0.04	39.67 -4.57 0.88	39.73 -3.92 0.02
NINE_MILE_1 23575	43.36 -1.19 0.00	40.01 -1.05 0.00	36.19 -0.92 0.00	35.96 -0.91 0.00	38.97 -1.01 0.00	36.96 -1.02 0.00	44.80 -1.30 0.00	55.58 -1.63 0.00	40.56 -1.19 0.00	33.63 -0.91 0.00	30.17 -0.72 0.00	29.41 -0.73 0.00	32.00 -0.81 0.00	32.30 -0.86 0.00	32.28 -0.83 0.00	34.07 -0.88 0.00	34.52 -0.93 0.00	41.70 -1.29 0.00	55.36 -1.86 0.00	81.87 -2.71 0.00	68.24 -2.40 0.00	51.70 -2.00 0.00	43.45 -1.67 0.00	42.10 -1.58 0.00
NINE_MILE_2 23744	43.36 -1.19 0.00	40.01 -1.05 0.00	36.18 -0.92 0.00	35.95 -0.92 0.00	38.96 -1.02 0.00	36.96 -1.02 0.00	44.79 -1.31 0.00	55.57 -1.64 0.00	40.55 -1.19 0.00	33.62 -0.91 0.00	30.17 -0.73 0.00	29.40 -0.73 0.00	31.99 -0.82 0.00	32.30 -0.86 0.00	32.26 -0.85 0.00	34.07 -0.88 0.00	34.52 -0.94 0.00	41.69 -1.30 0.00	55.36 -1.86 0.00	81.87 -2.71 0.00	68.23 -2.40 0.00	51.70 -2.00 0.00	43.45 -1.67 0.00	42.09 -1.59 0.00
NM_CAPITAL__DRP 24208	45.07 0.51 0.00	41.38 0.32 0.00	37.41 0.30 0.00	37.17 0.30 0.00	40.24 0.27 0.00	38.34 0.36 0.00	46.67 0.57 0.00	57.94 0.74 0.00	42.07 0.33 0.00	34.78 0.24 0.00	31.01 0.11 0.00	30.25 0.12 0.00	32.91 0.10 0.00	33.33 0.18 0.00	33.26 0.15 0.00	35.12 0.17 0.00	35.70 0.24 0.00	43.27 0.28 0.00	57.91 0.68 0.00	85.62 1.04 0.00	71.67 1.04 0.00	54.62 0.92 0.00	45.94 0.82 0.00	44.45 0.77 0.00



NM_CENTRAL___DRP 24181	44.14 -0.42 0.00	40.73 -0.32 0.00	36.82 -0.29 0.00	36.58 -0.29 0.00	39.66 -0.32 0.00	37.60 -0.37 0.00	45.58 -0.52 0.00	56.56 -0.65 0.00	41.23 -0.51 0.00	34.13 -0.41 0.00	30.60 -0.29 0.00	29.82 -0.30 0.00	32.45 -0.36 0.00	32.75 -0.41 0.00	32.72 -0.39 0.00	34.59 -0.37 0.00	35.08 -0.38 0.00	42.45 -0.53 0.00	56.35 -0.87 0.00	83.37 -1.20 0.00	69.48 -1.15 0.00	52.62 -1.08 0.00	44.16 -0.96 0.00	42.77 -0.90 0.00
NM_FRONTIER___DRP 24179	41.73 -2.84 0.00	39.03 -2.03 0.00	35.41 -1.70 0.00	35.00 -1.88 0.00	37.93 -2.05 0.00	35.18 -2.80 0.00	42.04 -4.06 0.00	51.89 -5.31 0.00	38.13 -3.62 0.00	32.04 -2.49 0.00	29.28 -1.62 0.00	28.37 -1.76 0.00	30.81 -2.00 0.00	30.77 -2.39 0.00	30.80 -2.31 0.00	32.64 -2.31 0.00	33.30 -2.16 0.00	39.62 -3.36 0.00	50.92 -6.31 0.00	74.84 -9.74 0.00	62.31 -8.33 0.00	47.26 -6.41 0.04	39.20 -5.04 0.87	39.33 -4.32 0.02
NM_ST_REGIS___HYD 24053	60.46 -0.39 -16.29	56.35 -0.19 -15.48	51.53 -0.05 -14.47	43.97 -0.04 -7.14	43.85 0.02 -3.85	37.97 -0.01 0.00	46.12 0.02 0.00	57.39 0.18 0.00	42.00 0.26 0.00	34.57 0.04 0.00	30.90 0.00 0.00	30.16 0.03 0.00	32.86 0.05 0.00	33.17 0.01 0.00	32.99 -0.11 0.00	34.74 -0.22 0.00	35.38 -0.08 0.00	43.16 0.17 0.00	57.85 0.63 0.00	85.64 1.06 0.00	71.64 1.00 0.00	54.76 1.06 0.00	45.95 0.84 0.00	44.44 0.76 0.00
NORTHPORT___1 23551	46.32 1.76 0.00	42.01 0.95 0.00	37.80 0.69 0.00	37.55 0.68 0.00	40.89 0.92 0.00	39.11 1.13 0.00	47.83 1.73 0.00	58.82 1.62 0.00	42.84 1.10 0.00	35.42 0.88 0.00	31.59 0.69 0.00	30.62 0.49 0.00	33.28 0.47 0.00	33.72 0.57 0.00	33.95 0.84 0.00	36.65 1.70 0.00	36.65 1.18 0.00	44.66 1.66 -0.01	59.68 2.46 0.00	88.37 3.80 0.00	73.83 3.20 0.00	56.76 2.89 -0.18	48.26 2.53 -0.61	45.97 2.29 0.00
NORTHPORT___2 23552	46.32 1.76 0.00	42.01 0.95 0.00	37.80 0.69 0.00	37.55 0.68 0.00	40.89 0.92 0.00	39.11 1.13 0.00	47.83 1.73 0.00	58.82 1.62 0.00	42.84 1.10 0.00	35.42 0.88 0.00	31.59 0.69 0.00	30.62 0.49 0.00	33.28 0.47 0.00	33.72 0.57 0.00	33.95 0.84 0.00	36.65 1.70 0.00	36.65 1.18 0.00	44.66 1.66 -0.01	59.68 2.46 0.00	88.37 3.80 0.00	73.83 3.20 0.00	56.76 2.89 -0.18	48.26 2.53 -0.61	45.97 2.29 0.00
NORTHPORT___3 23553	46.12 1.56 0.00	41.93 0.88 0.00	37.73 0.62 0.00	37.47 0.60 0.00	40.73 0.75 0.00	38.92 0.94 0.00	47.56 1.46 0.00	58.59 1.39 0.00	42.69 0.94 0.00	35.34 0.81 0.00	31.56 0.66 0.00	30.62 0.49 0.00	33.24 0.43 0.00	33.70 0.55 0.00	33.90 0.79 0.00	36.52 1.57 0.00	36.59 1.13 0.00	44.56 1.57 -0.01	59.53 2.31 0.00	88.01 3.43 0.00	73.57 2.93 0.00	56.56 2.69 -0.17	48.06 2.35 -0.59	45.82 2.15 0.00
NORTHPORT___4 23650	46.12 1.56 0.00	41.93 0.88 0.00	37.73 0.62 0.00	37.47 0.60 0.00	40.73 0.75 0.00	38.92 0.94 0.00	47.56 1.46 0.00	58.59 1.39 0.00	42.69 0.94 0.00	35.34 0.81 0.00	31.56 0.66 0.00	30.62 0.49 0.00	33.24 0.43 0.00	33.70 0.55 0.00	33.90 0.79 0.00	36.52 1.57 0.00	36.59 1.13 0.00	44.56 1.57 -0.01	59.53 2.31 0.00	88.01 3.43 0.00	73.57 2.93 0.00	56.56 2.69 -0.17	48.06 2.35 -0.59	45.82 2.15 0.00
NORTHPORT___IC 23718	46.31 1.76 0.00	42.00 0.95 0.00	37.80 0.69 0.00	37.55 0.68 0.00	40.89 0.92 0.00	39.11 1.13 0.00	47.83 1.72 0.00	58.82 1.61 0.00	42.85 1.10 0.00	35.43 0.89 0.00	31.59 0.70 0.00	30.62 0.49 0.00	33.28 0.47 0.00	33.72 0.57 0.00	33.95 0.84 0.00	36.65 1.70 0.00	36.65 1.19 0.00	44.66 1.66 -0.01	59.69 2.46 0.00	88.38 3.81 0.00	73.83 3.20 0.00	56.76 2.88 -0.18	48.26 2.53 -0.61	45.97 2.29 0.00
NORTH___COUNTRY_ESR 323785	-23.84 -1.05 67.35	-23.74 -0.84 63.96	-23.34 -0.68 59.77	6.73 -0.65 29.49	23.38 -0.68 15.92	37.39 -0.58 0.00	45.61 -0.49 0.00	57.05 -0.16 0.00	41.80 0.06 0.00	34.51 -0.02 0.00	30.95 0.06 0.00	30.29 0.16 0.00	33.01 0.20 0.00	33.45 0.29 0.00	33.26 0.16 0.00	35.21 0.25 0.00	35.91 0.45 0.00	43.75 0.77 0.00	58.57 1.35 0.00	86.11 1.53 0.00	72.04 1.41 0.00	55.10 1.40 0.00	46.31 1.19 0.00	44.78 1.10 0.00
NPX_GEN_1385_PROXY 323591	46.23 1.67 0.00	41.57 0.51 0.00	37.40 0.29 0.00	37.16 0.29 0.00	40.76 0.78 0.00	39.05 1.08 0.00	47.75 1.64 0.00	58.41 1.21 0.00	42.41 0.67 0.00	34.99 0.45 0.00	31.16 0.26 0.00	29.93 -0.20 0.00	32.53 -0.28 0.00	33.00 -0.16 0.00	33.24 0.13 0.00	36.50 1.55 0.00	36.11 0.65 0.00	43.99 1.00 -0.01	58.87 1.65 0.00	87.01 2.43 0.00	72.34 1.70 0.00	56.01 2.13 -0.18	48.06 2.33 -0.61	45.82 2.15 0.00
NPX_GEN_CSC 323557	45.64 1.08 0.00	41.10 0.05 0.00	36.99 -0.12 0.00	36.73 -0.13 0.00	40.00 0.02 0.00	38.33 0.36 0.00	47.25 1.15 0.00	57.71 0.50 0.00	42.01 0.27 0.00	19.53 0.15 15.15	13.91 -0.02 16.95	14.60 -0.20 15.33	32.61 -0.20 0.00	33.08 -0.08 0.00	33.46 0.36 0.00	36.37 1.41 0.00	36.16 0.70 0.00	43.90 0.91 -0.01	58.90 1.68 0.00	87.60 3.03 0.00	73.31 2.68 0.00	56.28 2.36 -0.21	47.90 2.05 -0.73	45.49 1.82 0.00
NSINS_S___GLNS_FALLS 23858	48.03 3.47 0.00	43.31 2.25 0.00	39.01 1.90 0.00	38.76 1.89 0.00	42.04 2.06 0.00	40.14 2.16 0.00	49.11 3.01 0.00	61.12 3.91 0.00	44.04 2.29 0.00	36.01 1.48 0.00	31.89 0.99 0.00	31.07 0.94 0.00	33.80 0.99 0.00	34.20 1.04 0.00	34.08 0.98 0.00	36.26 1.30 0.00	37.21 1.75 0.00	44.93 1.95 0.00	61.05 3.83 0.00	90.44 5.87 0.00	75.74 5.11 0.00	57.49 3.79 0.00	48.13 3.01 0.00	46.47 2.79 0.00
NUCOR_STEEL___DRP 24197	44.68 0.12 0.00	41.28 0.22 0.00	37.32 0.21 0.00	37.09 0.22 0.00	40.06 0.08 0.00	38.02 0.04 0.00	46.18 0.07 0.00	57.34 0.13 0.00	41.77 0.03 0.00	34.42 -0.12 0.00	30.79 -0.11 0.00	29.97 -0.15 0.00	32.61 -0.20 0.00	32.91 -0.25 0.00	32.91 -0.19 0.00	34.69 -0.27 0.00	35.37 -0.09 0.00	42.91 -0.07 0.00	57.07 -0.16 0.00	84.43 -0.15 0.00	70.09 -0.54 0.00	53.07 -0.65 -0.02	44.64 -0.47 0.00	43.23 -0.45 0.00
NUMBER_THREE_WT_PWR 323818	46.76 -0.67 -2.87	43.23 -0.55 -2.73	39.52 -0.14 -2.55	38.31 0.18 -1.26	41.19 0.53 -0.68	38.44 0.46 0.00	46.70 0.60 0.00	58.18 0.97 0.00	42.19 0.44 0.00	34.48 -0.05 0.00	30.68 -0.21 0.00	29.85 -0.28 0.00	32.47 -0.34 0.00	32.77 -0.38 0.00	32.71 -0.39 0.00	34.59 -0.37 0.00	35.22 -0.24 0.00	43.34 0.36 0.00	58.75 1.52 0.00	87.45 2.88 0.00	73.02 2.39 0.00	55.22 1.52 0.00	46.03 0.91 0.00	44.06 0.38 0.00
NYISO_LBMP_REFERENCE 24008	44.56 0.00 0.00	41.06 0.00 0.00	37.11 0.00 0.00	36.87 0.00 0.00	39.98 0.00 0.00	37.98 0.00 0.00	46.10 0.00 0.00	57.21 0.00 0.00	41.74 0.00 0.00	34.53 0.00 0.00	30.90 0.00 0.00	30.13 0.00 0.00	32.81 0.00 0.00	33.16 0.00 0.00	33.11 0.00 0.00	34.96 0.00 0.00	35.46 0.00 0.00	42.99 0.00 0.00	57.22 0.00 0.00	84.58 0.00 0.00	70.63 0.00 0.00	53.70 0.00 0.00	45.12 0.00 0.00	43.68 0.00 0.00



NYPA_BRENTWD____GT 24164	46.65 2.09 0.00	42.31 1.26 0.00	38.07 0.96 0.00	37.82 0.95 0.00	41.17 1.20 0.00	39.38 1.40 0.00	48.22 2.12 0.00	59.29 2.09 0.00	43.17 1.42 0.00	35.67 1.13 0.00	31.78 0.89 0.00	30.81 0.68 0.00	33.46 0.65 0.00	33.90 0.74 0.00	34.13 1.03 0.00	36.83 1.87 0.00	36.89 1.43 0.00	45.02 2.02 -0.01	60.22 3.00 0.00	89.10 4.53 0.00	74.55 3.92 0.00	57.42 3.47 -0.25	48.93 2.94 -0.87	46.33 2.66 0.00
NYPA_GOWANUS____GT5 24156	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NYPA_GOWANUS____GT6 24157	56.88 2.25 -10.07	57.06 1.77 -14.23	55.90 1.44 -17.35	55.78 1.43 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.64 -0.07	57.14 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.84 1.56 -21.12	55.83 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.48 2.88 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.18 -40.69	59.73 2.54 -12.07	57.21 2.34 -11.19
NYPA_HARLEM__RVR__GT1 24160	46.26 1.70 0.00	42.35 1.29 0.00	38.11 1.00 0.00	37.86 0.99 0.00	41.06 1.09 0.00	39.18 1.20 0.00	47.71 1.61 0.00	59.17 1.97 0.00	43.29 1.54 0.00	35.83 1.29 0.00	32.02 1.11 -0.01	31.19 1.06 -0.01	33.86 1.05 -0.01	34.33 1.16 -0.01	34.33 1.22 -0.01	36.43 1.48 0.00	36.75 1.29 0.00	44.58 1.59 0.00	59.44 2.22 0.00	88.31 3.73 0.00	74.05 3.41 -0.01	56.27 2.56 -0.01	47.13 2.01 0.00	45.48 1.80 0.00
NYPA_HARLEM__RVR__GT2 24161	46.26 1.70 0.00	42.35 1.29 0.00	38.11 1.00 0.00	37.86 0.99 0.00	41.06 1.09 0.00	39.18 1.20 0.00	47.71 1.61 0.00	59.17 1.97 0.00	43.29 1.54 0.00	35.83 1.29 0.00	32.02 1.11 -0.01	31.19 1.06 -0.01	33.86 1.05 -0.01	34.33 1.16 -0.01	34.33 1.22 -0.01	36.43 1.48 0.00	36.75 1.29 0.00	44.58 1.59 0.00	59.44 2.22 0.00	88.31 3.73 0.00	74.05 3.41 -0.01	56.27 2.56 -0.01	47.13 2.01 0.00	45.48 1.80 0.00
NYPA_KENT____GT 24152	52.75 2.13 -6.06	51.29 1.67 -8.56	48.89 1.33 -10.44	48.72 1.33 -10.52	50.01 1.46 -8.57	49.25 1.56 -9.72	52.84 2.04 -4.70	59.78 2.53 -0.04	51.71 1.91 -8.06	48.68 1.58 -12.56	46.91 1.41 -14.61	46.60 1.36 -15.11	47.16 1.36 -12.99	47.34 1.47 -12.72	47.35 1.55 -12.69	48.68 1.81 -11.92	49.04 1.63 -11.95	52.34 2.04 -7.32	63.21 2.75 -3.24	94.09 4.42 -5.10	88.36 4.01 -13.72	81.23 3.04 -24.49	54.80 2.42 -7.26	52.63 2.22 -6.74
NYPA_POUCH1____GT 24155	56.80 2.16 -10.07	56.98 1.70 -14.23	55.84 1.37 -17.35	55.72 1.38 -17.48	55.73 1.51 -14.24	55.72 1.60 -16.15	55.97 2.05 -7.82	59.76 2.49 -0.07	57.03 1.89 -13.39	56.99 1.58 -20.87	56.26 1.41 -23.95	55.74 1.36 -24.26	55.76 1.36 -21.58	55.75 1.47 -21.12	55.75 1.56 -21.09	56.55 1.80 -19.80	56.94 1.63 -19.85	57.16 2.01 -12.17	65.25 2.66 -5.37	97.34 4.30 -8.47	97.32 3.89 -22.79	97.39 3.00 -40.69	59.60 2.41 -12.07	57.10 2.23 -11.19
NYPA_VERNON____GT2 24162	48.61 2.00 -2.05	45.51 1.56 -2.90	41.88 1.24 -3.53	41.66 1.24 -3.56	44.24 1.36 -2.90	42.73 1.47 -3.29	49.62 1.93 -1.59	59.64 2.42 -0.01	46.28 1.81 -2.73	40.28 1.49 -4.25	37.47 1.32 -5.26	37.37 1.28 -5.96	38.47 1.26 -4.40	38.84 1.38 -4.31	38.85 1.45 -4.30	40.70 1.71 -4.03	41.05 1.54 -4.05	47.39 1.93 -2.48	60.93 2.62 -1.10	90.52 4.22 -1.72	79.10 3.82 -4.65	64.89 2.90 -8.29	49.89 2.32 -2.46	48.06 2.10 -2.28
NYPA_VERNON____GT3 24163	48.61 2.00 -2.05	45.51 1.56 -2.90	41.88 1.24 -3.53	41.66 1.24 -3.56	44.24 1.36 -2.90	42.73 1.47 -3.29	49.62 1.93 -1.59	59.64 2.42 -0.01	46.28 1.81 -2.73	40.28 1.49 -4.25	37.47 1.32 -5.26	37.37 1.28 -5.96	38.47 1.26 -4.40	38.84 1.38 -4.31	38.85 1.45 -4.30	40.70 1.71 -4.03	41.05 1.54 -4.05	47.39 1.93 -2.48	60.93 2.62 -1.10	90.52 4.22 -1.72	79.10 3.82 -4.65	64.89 2.90 -8.29	49.89 2.32 -2.46	48.06 2.10 -2.28
NYPA__ASTORIA_CC1 323568	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.51 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.97 1.50 0.00	44.87 1.89 0.00	59.79 2.56 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.27 0.00	45.74 2.06 0.00
NYPA__ASTORIA_CC2 323569	46.52 1.96 0.00	42.57 1.51 0.00	38.32 1.21 0.00	38.07 1.20 0.00	41.29 1.32 0.00	39.41 1.43 0.00	47.99 1.89 0.00	59.57 2.36 0.00	43.51 1.77 0.00	36.00 1.46 0.00	32.82 1.30 -0.63	32.45 1.25 -1.07	34.05 1.23 -0.01	34.50 1.34 -0.01	34.53 1.42 -0.01	36.63 1.67 0.00	36.97 1.50 0.00	44.87 1.89 0.00	59.79 2.56 0.00	88.73 4.15 0.00	74.44 3.80 -0.01	56.56 2.86 -0.01	47.39 2.27 0.00	45.74 2.06 0.00
NYPA__HOLTSVILL 23794	46.17 1.61 0.00	41.81 0.76 0.00	37.62 0.51 0.00	37.38 0.51 0.00	40.69 0.71 0.00	38.95 0.97 0.00	47.76 1.65 0.00	58.63 1.42 0.00	42.70 0.96 0.00	33.76 0.75 1.53	29.71 0.55 1.74	28.92 0.36 1.57	33.12 0.31 0.00	33.56 0.41 0.00	33.83 0.72 0.00	36.55 1.60 0.00	36.55 1.09 0.00	44.53 1.54 -0.01	59.63 2.41 0.00	88.50 3.92 0.00	74.01 3.38 0.00	56.83 2.92 -0.21	48.34 2.50 -0.72	45.92 2.24 0.00
NYPA__HELLGATE_GT1 24158	46.26 1.70 0.00	42.35 1.29 0.00	38.11 1.00 0.00	37.85 0.99 0.00	41.06 1.09 0.00	39.18 1.20 0.00	47.71 1.61 0.00	59.17 1.97 0.00	43.29 1.54 0.00	35.83 1.29 0.00	32.02 1.11 -0.01	31.19 1.06 -0.01	33.86 1.05 -0.01	34.33 1.16 -0.01	34.33 1.22 -0.01	36.43 1.48 0.00	36.75 1.29 0.00	44.58 1.59 0.00	59.44 2.22 0.00	88.31 3.73 0.00	74.05 3.41 -0.01	56.27 2.56 -0.01	47.13 2.01 0.00	45.48 1.80 0.00
NYPA__HELLGATE_GT2 24159	46.26 1.70 0.00	42.35 1.29 0.00	38.11 1.00 0.00	37.85 0.99 0.00	41.06 1.09 0.00	39.18 1.20 0.00	47.71 1.61 0.00	59.17 1.97 0.00	43.29 1.54 0.00	35.83 1.29 0.00	32.02 1.11 -0.01	31.19 1.06 -0.01	33.86 1.05 -0.01	34.33 1.16 -0.01	34.33 1.22 -0.01	36.43 1.48 0.00	36.75 1.29 0.00	44.58 1.59 0.00	59.44 2.22 0.00	88.31 3.73 0.00	74.05 3.41 -0.01	56.27 2.56 -0.01	47.13 2.01 0.00	45.48 1.80 0.00
NYS_BARGE__HYD 23848	42.36 -2.19 0.00	39.61 -1.45 0.00	35.90 -1.21 0.00	35.49 -1.39 0.00	38.48 -1.50 0.00	35.74 -2.24 0.00	42.77 -3.33 0.00	52.84 -4.37 0.00	38.83 -2.91 0.00	32.51 -2.03 0.00	29.64 -1.26 0.00	28.67 -1.46 0.00	31.17 -1.64 0.00	31.11 -2.04 0.00	31.14 -1.97 0.00	33.00 -1.96 0.00	33.73 -1.73 0.00	40.26 -2.72 0.00	51.97 -5.26 0.00	76.35 -8.23 0.00	63.56 -7.07 0.00	48.17 -5.50 0.04	39.86 -4.34 0.92	39.98 -3.67 0.02



OAK ORCHARD___HYD 24046	43.59 -0.97 0.00	40.45 -0.61 0.00	36.63 -0.48 0.00	36.30 -0.58 0.00	39.36 -0.62 0.00	36.93 -1.05 0.00	44.48 -1.63 0.00	55.08 -2.12 0.00	40.25 -1.49 0.00	33.44 -1.09 0.00	30.24 -0.65 0.00	29.36 -0.77 0.00	31.89 -0.92 0.00	32.01 -1.14 0.00	32.04 -1.06 0.00	33.98 -0.98 0.00	34.66 -0.80 0.00	41.75 -1.24 0.00	54.64 -2.59 0.00	80.61 -3.96 0.00	67.13 -3.50 0.00	50.77 -2.91 0.02	42.81 -2.30 0.00	41.64 -2.04 0.00
OAKDALE___35_KV_LOAD 356122	44.30 -0.26 0.00	40.90 -0.15 0.00	36.90 -0.21 0.00	36.65 -0.22 0.00	39.80 -0.18 0.00	37.70 -0.28 0.00	45.63 -0.47 0.00	56.72 -0.48 0.00	41.43 -0.31 0.00	34.30 -0.24 0.00	30.76 -0.14 0.00	30.00 -0.13 0.00	32.70 -0.11 0.00	32.98 -0.17 0.00	32.94 -0.16 0.00	34.86 -0.10 0.00	35.30 -0.16 0.00	42.83 -0.16 0.00	56.56 -0.66 0.00	83.72 -0.85 0.00	69.70 -0.93 0.00	52.73 -0.94 0.03	44.26 -0.85 0.00	42.94 -0.74 0.00
OCC_CHEM___DRP 24175	41.86 -2.70 0.00	39.15 -1.91 0.00	35.52 -1.60 0.00	35.09 -1.78 0.00	38.05 -1.93 0.00	35.29 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.44 -1.69 0.00	30.89 -1.92 0.00	30.86 -2.30 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.25 0.00	51.07 -6.15 0.00	75.06 -9.52 0.00	62.49 -8.14 0.00	47.40 -6.27 0.04	39.32 -4.93 0.86	39.44 -4.21 0.02
OH_GEN_PROXY 24063	42.26 -2.30 0.00	39.45 -1.61 0.00	35.76 -1.35 0.00	35.37 -1.50 0.00	38.36 -1.62 0.00	35.64 -2.34 0.00	42.64 -3.46 0.00	52.68 -4.53 0.00	38.67 -3.07 0.00	32.42 -2.12 0.00	29.57 -1.33 0.00	28.68 -1.46 0.00	31.17 -1.64 0.00	31.15 -2.01 0.00	31.18 -1.92 0.00	33.04 -1.92 0.00	33.65 -1.80 0.00	40.19 -2.79 0.00	51.80 -5.42 0.00	76.13 -8.45 0.00	63.35 -7.28 0.00	47.97 -5.69 0.04	39.87 -4.45 0.80	39.82 -3.84 0.02
OLIN_CORP_DRP 24177	41.83 -2.73 0.00	39.14 -1.91 0.00	35.48 -1.63 0.00	35.05 -1.82 0.00	38.01 -1.97 0.00	35.26 -2.72 0.00	42.16 -3.95 0.00	52.05 -5.16 0.00	38.27 -3.47 0.00	32.12 -2.42 0.00	29.34 -1.55 0.00	28.40 -1.73 0.00	30.83 -1.98 0.00	30.79 -2.37 0.00	30.83 -2.28 0.00	32.66 -2.29 0.00	33.34 -2.12 0.00	39.69 -3.30 0.00	51.12 -6.10 0.00	75.06 -9.52 0.00	62.52 -8.12 0.00	47.45 -6.21 0.04	39.38 -4.90 0.84	39.48 -4.18 0.02
OLIN_CORP_DSASP 323712	41.86 -2.70 0.00	39.14 -1.92 0.00	35.52 -1.59 0.00	35.10 -1.77 0.00	38.05 -1.93 0.00	35.28 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.45 -1.68 0.00	30.89 -1.92 0.00	30.86 -2.29 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.24 0.00	51.07 -6.15 0.00	75.05 -9.52 0.00	62.48 -8.15 0.00	47.40 -6.26 0.04	39.33 -4.92 0.86	39.44 -4.21 0.02
ONEIDA_HERK_LFGE 323681	46.19 0.31 -1.32	42.60 0.29 -1.26	38.66 0.38 -1.18	37.96 0.51 -0.58	40.98 0.69 -0.31	38.65 0.67 0.00	46.96 0.86 0.00	58.38 1.18 0.00	42.40 0.66 0.00	34.82 0.29 0.00	31.06 0.16 0.00	30.25 0.12 0.00	32.91 0.10 0.00	33.22 0.07 0.00	33.16 0.06 0.00	35.06 0.10 0.00	35.68 0.22 0.00	43.66 0.68 0.00	58.69 1.47 0.00	87.08 2.50 0.00	72.69 2.06 0.00	55.06 1.36 0.00	46.05 0.93 0.00	44.34 0.66 0.00
ONEIDA___115KV_TB4 55905	45.32 0.76 0.00	41.74 0.68 0.00	37.73 0.63 0.00	37.53 0.65 0.00	40.72 0.74 0.00	38.74 0.76 0.00	47.06 0.96 0.00	58.47 1.27 0.00	42.46 0.72 0.00	34.89 0.36 0.00	31.14 0.24 0.00	30.33 0.20 0.00	33.00 0.19 0.00	33.32 0.16 0.00	33.26 0.16 0.00	35.18 0.22 0.00	35.79 0.33 0.00	43.70 0.72 0.00	58.52 1.29 0.00	86.79 2.22 0.00	72.39 1.76 0.00	54.81 1.12 0.00	45.88 0.77 0.00	44.32 0.65 0.00
ONONDAGA_REF_OCCRA 23987	44.41 -0.15 0.00	40.97 -0.08 0.00	37.03 -0.08 0.00	36.79 -0.08 0.00	39.89 -0.09 0.00	37.83 -0.15 0.00	45.86 -0.24 0.00	56.93 -0.27 0.00	41.50 -0.25 0.00	34.32 -0.22 0.00	30.73 -0.16 0.00	29.95 -0.18 0.00	32.60 -0.21 0.00	32.89 -0.26 0.00	32.85 -0.25 0.00	34.75 -0.20 0.00	35.25 -0.21 0.00	42.74 -0.25 0.00	56.75 -0.47 0.00	83.98 -0.59 0.00	70.00 -0.64 0.00	53.01 -0.70 -0.01	44.46 -0.66 0.00	43.05 -0.63 0.00
ONONDAGA___COGEN 23986	44.36 -0.20 0.00	40.93 -0.12 0.00	37.01 -0.10 0.00	36.77 -0.10 0.00	39.85 -0.13 0.00	37.81 -0.17 0.00	45.83 -0.27 0.00	56.89 -0.32 0.00	41.46 -0.28 0.00	34.28 -0.25 0.00	30.71 -0.18 0.00	29.92 -0.21 0.00	32.57 -0.24 0.00	32.87 -0.29 0.00	32.85 -0.26 0.00	34.72 -0.23 0.00	35.25 -0.21 0.00	42.69 -0.29 0.00	56.69 -0.53 0.00	83.85 -0.73 0.00	69.86 -0.77 0.00	52.90 -0.80 0.00	44.41 -0.71 0.00	43.00 -0.67 0.00
ONTARIO___LFGE 23819	44.30 -0.26 0.00	41.06 0.00 0.00	37.06 -0.05 0.00	36.81 -0.06 0.00	39.98 0.01 0.00	37.76 -0.22 0.00	45.72 -0.38 0.00	56.82 -0.39 0.00	41.47 -0.27 0.00	34.18 -0.35 0.00	30.55 -0.34 0.00	29.66 -0.47 0.00	32.25 -0.56 0.00	32.47 -0.69 0.00	32.46 -0.65 0.00	34.43 -0.53 0.00	35.12 -0.34 0.00	42.78 -0.20 0.00	56.44 -0.79 0.00	83.26 -1.32 0.00	69.21 -1.42 0.00	52.27 -1.38 0.05	44.45 -1.23 -0.56	42.62 -1.07 -0.02
ORANGEVILLE_WT_PWR 323706	42.06 -2.50 0.00	39.41 -1.64 0.00	35.63 -1.48 0.00	35.29 -1.58 0.00	38.46 -1.52 0.00	35.97 -2.01 0.00	43.43 -2.67 0.00	53.96 -3.24 0.00	39.62 -2.13 0.00	32.91 -1.63 0.00	29.70 -1.19 0.00	28.65 -1.48 0.00	31.14 -1.67 0.00	31.25 -1.91 0.00	31.27 -1.84 0.00	33.29 -1.67 0.00	34.01 -1.46 0.00	41.08 -1.91 0.00	53.35 -3.87 0.00	78.13 -6.45 0.00	64.72 -5.91 0.00	48.47 -5.14 0.09	34.55 -4.44 6.13	39.61 -3.90 0.16
ORANGEVILLE___ESR 323794	42.06 -2.50 0.00	39.41 -1.64 0.00	35.63 -1.48 0.00	35.29 -1.58 0.00	38.46 -1.52 0.00	35.97 -2.01 0.00	43.43 -2.67 0.00	53.96 -3.24 0.00	39.62 -2.13 0.00	32.91 -1.63 0.00	29.70 -1.19 0.00	28.65 -1.48 0.00	31.14 -1.67 0.00	31.25 -1.91 0.00	31.27 -1.84 0.00	33.29 -1.67 0.00	34.01 -1.46 0.00	41.08 -1.91 0.00	53.35 -3.87 0.00	78.13 -6.45 0.00	64.72 -5.91 0.00	48.47 -5.14 0.09	34.55 -4.44 6.13	39.61 -3.90 0.16
OSWEGATCHIE___HYD 24044	50.26 -0.89 -6.59	46.63 -0.69 -6.26	42.57 -0.39 -5.85	39.53 -0.23 -2.89	41.49 -0.05 -1.56	37.86 -0.12 0.00	45.98 -0.12 0.00	57.27 0.06 0.00	41.67 -0.08 0.00	34.07 -0.46 0.00	30.35 -0.55 0.00	29.56 -0.57 0.00	32.19 -0.62 0.00	32.48 -0.68 0.00	32.38 -0.73 0.00	34.14 -0.81 0.00	34.77 -0.69 0.00	42.62 -0.36 0.00	57.56 0.34 0.00	85.53 0.95 0.00	71.47 0.84 0.00	54.33 0.63 0.00	45.42 0.31 0.00	43.72 0.05 0.00
OSWEGO___5 23606	43.63 -0.93 0.00	40.25 -0.80 0.00	36.40 -0.71 0.00	36.17 -0.71 0.00	39.21 -0.77 0.00	37.18 -0.80 0.00	45.07 -1.04 0.00	55.92 -1.29 0.00	40.80 -0.95 0.00	33.80 -0.74 0.00	30.32 -0.58 0.00	29.54 -0.60 0.00	32.15 -0.66 0.00	32.45 -0.70 0.00	32.41 -0.69 0.00	34.25 -0.71 0.00	34.72 -0.74 0.00	41.96 -1.02 0.00	55.73 -1.50 0.00	82.39 -2.19 0.00	68.68 -1.95 0.00	52.07 -1.64 0.00	43.74 -1.38 0.00	42.36 -1.32 0.00



OSWEGO___6 23613	43.63 -0.93 0.00	40.25 -0.80 0.00	36.40 -0.71 0.00	36.17 -0.71 0.00	39.21 -0.77 0.00	37.18 -0.80 0.00	45.07 -1.04 0.00	55.92 -1.29 0.00	40.80 -0.95 0.00	33.80 -0.74 0.00	30.32 -0.58 0.00	29.54 -0.60 0.00	32.15 -0.66 0.00	32.45 -0.70 0.00	32.41 -0.69 0.00	34.25 -0.71 0.00	34.72 -0.74 0.00	41.96 -1.02 0.00	55.73 -1.50 0.00	82.39 -2.19 0.00	68.68 -1.95 0.00	52.07 -1.64 0.00	43.74 -1.38 0.00	42.36 -1.32 0.00
OUTOKUMPU-AB___DRP 24206	42.77 -1.78 0.00	39.99 -1.07 0.00	36.22 -0.89 0.00	35.82 -1.06 0.00	38.84 -1.14 0.00	36.07 -1.91 0.00	43.16 -2.94 0.00	53.36 -3.84 0.00	39.20 -2.54 0.00	32.86 -1.67 0.00	29.97 -0.93 0.00	29.01 -1.13 0.00	31.51 -1.30 0.00	31.47 -1.68 0.00	31.50 -1.60 0.00	33.41 -1.55 0.00	34.10 -1.36 0.00	40.69 -2.29 0.00	52.49 -4.73 0.00	77.10 -7.48 0.00	64.20 -6.44 0.00	48.62 -5.05 0.04	40.31 -3.98 0.82	40.33 -3.32 0.02
OXBOW___BTM 323836	42.26 -2.30 0.00	39.49 -1.57 0.00	35.81 -1.30 0.00	35.39 -1.48 0.00	38.37 -1.61 0.00	35.61 -2.37 0.00	42.59 -3.52 0.00	52.60 -4.61 0.00	38.65 -3.09 0.00	32.45 -2.09 0.00	29.62 -1.28 0.00	28.68 -1.45 0.00	31.15 -1.66 0.00	31.11 -2.05 0.00	31.15 -1.96 0.00	33.02 -1.94 0.00	33.69 -1.77 0.00	40.16 -2.83 0.00	51.70 -5.52 0.00	75.96 -8.61 0.00	63.26 -7.38 0.00	47.94 -5.72 0.04	39.76 -4.51 0.84	39.82 -3.83 0.02
OXBOW____ 24026	42.24 -2.32 0.00	39.49 -1.57 0.00	35.80 -1.31 0.00	35.39 -1.48 0.00	38.37 -1.61 0.00	35.61 -2.37 0.00	42.58 -3.52 0.00	52.60 -4.61 0.00	38.65 -3.09 0.00	32.44 -2.09 0.00	29.62 -1.28 0.00	28.68 -1.45 0.00	31.15 -1.66 0.00	31.11 -2.05 0.00	31.14 -1.96 0.00	33.01 -1.94 0.00	33.69 -1.77 0.00	40.16 -2.83 0.00	51.70 -5.52 0.00	75.98 -8.60 0.00	63.26 -7.37 0.00	47.94 -5.72 0.04	39.76 -4.51 0.84	39.82 -3.83 0.02
OXY_CHEM_DSASP 323612	41.86 -2.70 0.00	39.15 -1.91 0.00	35.52 -1.60 0.00	35.09 -1.78 0.00	38.05 -1.93 0.00	35.29 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.44 -1.69 0.00	30.89 -1.92 0.00	30.86 -2.30 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.25 0.00	51.07 -6.15 0.00	75.06 -9.52 0.00	62.49 -8.14 0.00	47.40 -6.27 0.04	39.32 -4.93 0.86	39.44 -4.21 0.02
OZONE_PARK_ESR 323760	46.65 2.09 0.00	42.73 1.67 0.00	38.48 1.37 0.00	38.22 1.35 0.00	41.45 1.47 0.00	39.56 1.58 0.00	48.18 2.08 0.00	59.84 2.64 0.00	43.70 1.96 0.00	36.13 1.60 0.00	32.31 1.41 0.00	31.49 1.36 0.00	34.15 1.34 0.00	34.61 1.45 0.00	34.63 1.53 0.00	36.76 1.81 0.00	37.10 1.64 0.00	45.07 2.09 0.00	60.08 2.86 0.00	89.24 4.66 0.00	74.79 4.16 0.00	56.81 3.10 0.00	47.60 2.48 0.00	45.92 2.24 0.00
PACKARD_I15_KV_ADAMS_I87_REV_LBMP_A 345013	41.86 -2.70 0.00	39.15 -1.91 0.00	35.52 -1.60 0.00	35.09 -1.78 0.00	38.05 -1.93 0.00	35.29 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.44 -1.69 0.00	30.89 -1.92 0.00	30.86 -2.30 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.25 0.00	51.07 -6.15 0.00	75.06 -9.52 0.00	62.49 -8.14 0.00	47.40 -6.27 0.04	39.32 -4.93 0.86	39.44 -4.21 0.02
PACKARD__I15KV_DUPONT_I84 80571	41.86 -2.70 0.00	39.15 -1.91 0.00	35.52 -1.60 0.00	35.09 -1.78 0.00	38.05 -1.93 0.00	35.29 -2.69 0.00	42.17 -3.93 0.00	52.05 -5.16 0.00	38.24 -3.50 0.00	32.14 -2.40 0.00	29.37 -1.53 0.00	28.44 -1.69 0.00	30.89 -1.92 0.00	30.86 -2.30 0.00	30.89 -2.22 0.00	32.73 -2.23 0.00	33.39 -2.07 0.00	39.74 -3.25 0.00	51.07 -6.15 0.00	75.06 -9.52 0.00	62.49 -8.14 0.00	47.40 -6.27 0.04	39.32 -4.93 0.86	39.44 -4.21 0.02
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	46.31 1.75 0.00	42.40 1.34 0.00	38.15 1.04 0.00	37.92 1.05 0.00	41.13 1.15 0.00	39.24 1.27 0.00	47.79 1.69 0.00	59.30 2.10 0.00	43.36 1.61 0.00	35.85 1.31 0.00	32.03 1.13 -0.01	31.21 1.07 -0.01	33.87 1.05 -0.01	34.33 1.17 -0.01	34.35 1.24 -0.01	36.45 1.49 0.00	36.79 1.32 0.00	44.64 1.66 0.00	59.54 2.32 0.00	88.46 3.88 0.00	74.17 3.53 -0.01	56.35 2.64 -0.01	47.21 2.09 0.00	45.55 1.88 0.00
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	46.64 2.08 0.00	42.61 1.56 0.00	38.44 1.32 0.00	38.26 1.39 0.00	41.46 1.48 0.00	39.61 1.63 0.00	48.24 2.14 0.00	59.88 2.67 0.00	43.80 2.05 0.00	35.89 1.35 0.00	32.07 1.17 -0.01	31.25 1.12 -0.01	33.87 1.06 -0.01	34.33 1.17 -0.01	34.35 1.24 -0.01	36.45 1.49 0.00	36.79 1.32 0.00	44.78 1.79 0.00	59.76 2.53 0.00	88.82 4.24 0.00	74.59 3.95 -0.01	56.74 3.04 -0.01	47.45 2.33 0.00	45.76 2.09 0.00
PATROON__I15KV_TB1 80586	45.19 0.64 0.00	41.49 0.44 0.00	37.50 0.39 0.00	37.26 0.39 0.00	40.35 0.37 0.00	38.44 0.47 0.00	46.79 0.69 0.00	58.10 0.89 0.00	42.18 0.43 0.00	34.84 0.31 0.00	31.07 0.18 0.00	30.32 0.19 0.00	32.99 0.18 0.00	33.40 0.25 0.00	33.33 0.22 0.00	35.20 0.24 0.00	35.80 0.34 0.00	43.43 0.44 0.00	58.12 0.89 0.00	85.94 1.36 0.00	71.91 1.27 0.00	54.78 1.08 0.00	46.06 0.94 0.00	44.53 0.85 0.00
PATTRSNVILLE___SOLAR 323815	45.87 1.31 0.00	42.20 1.14 0.00	38.12 1.01 0.00	37.87 1.00 0.00	41.07 1.10 0.00	39.10 1.12 0.00	47.53 1.43 0.00	58.95 1.74 0.00	42.60 0.86 0.00	34.90 0.37 0.00	31.03 0.13 0.00	30.25 0.12 0.00	32.93 0.12 0.00	33.30 0.14 0.00	33.24 0.13 0.00	35.13 0.18 0.00	35.80 0.34 0.00	43.80 0.82 0.00	58.94 1.72 0.00	87.42 2.84 0.00	73.08 2.44 0.00	55.54 1.83 0.00	46.59 1.47 0.00	45.04 1.36 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	43.78 -0.78 0.00	40.90 -0.15 0.00	36.99 -0.12 0.00	36.61 -0.26 0.00	39.73 -0.25 0.00	36.94 -1.03 0.00	44.27 -1.83 0.00	54.82 -2.39 0.00	40.22 -1.52 0.00	33.64 -0.90 0.00	30.58 -0.31 0.00	29.66 -0.47 0.00	32.30 -0.51 0.00	32.28 -0.87 0.00	32.30 -0.80 0.00	34.27 -0.69 0.00	34.86 -0.60 0.00	41.87 -1.11 0.00	54.05 -3.17 0.00	79.48 -5.10 0.00	66.05 -4.58 0.00	49.88 -3.78 0.04	41.53 -2.98 0.60	41.25 -2.41 0.02
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	46.45 1.89 0.00	42.57 1.51 0.00	38.36 1.25 0.00	38.12 1.25 0.00	41.36 1.38 0.00	39.48 1.50 0.00	48.11 2.01 0.00	59.76 2.55 0.00	43.56 1.81 0.00	35.95 1.42 0.00	32.10 1.20 0.00	31.26 1.14 0.00	33.93 1.12 0.00	34.36 1.20 0.00	34.37 1.27 0.00	36.46 1.51 0.00	36.86 1.40 0.00	44.81 1.83 0.00	59.86 2.64 0.00	88.87 4.30 0.00	74.44 3.80 0.00	56.53 2.83 0.00	47.35 2.23 0.00	45.69 2.01 0.00
PEEKSKILL____ 23653	45.79 1.24 0.00	41.99 0.93 0.00	37.83 0.72 0.00	37.60 0.73 0.00	40.81 0.83 0.00	38.93 0.95 0.00	47.39 1.29 0.00	58.87 1.66 0.00	42.91 1.16 0.00	35.43 0.89 0.00	31.61 0.71 0.00	30.82 0.69 0.00	33.44 0.64 0.00	33.90 0.74 0.00	33.94 0.83 0.00	36.01 1.05 0.00	36.32 0.85 0.00	44.14 1.16 0.00	58.91 1.69 0.00	87.47 2.90 0.00	73.29 2.65 0.00	55.64 1.94 0.00	46.62 1.51 0.00	45.05 1.37 0.00



PGE MADISON___WINDPWR 24146	45.35 0.79 0.00	42.08 1.02 0.00	37.97 0.86 0.00	37.92 1.05 0.00	41.03 1.05 0.00	39.50 1.52 0.00	48.30 2.20 0.00	60.53 3.32 0.00	44.32 2.58 0.00	36.01 1.48 0.00	32.07 1.17 0.00	31.34 1.21 0.00	34.21 1.40 0.00	34.37 1.22 0.00	34.36 1.26 0.00	36.47 1.52 0.00	37.39 1.93 0.00	46.29 3.31 0.00	62.07 4.84 0.00	92.32 7.74 0.00	76.40 5.77 0.00	57.27 3.50 -0.06	47.51 2.19 -0.21	45.08 1.40 -0.01
PIERCEFIELD___HYD 23852	53.84 -0.42 -9.70	50.06 -0.22 -9.22	45.65 -0.08 -8.62	41.07 -0.06 -4.25	42.28 0.01 -2.30	37.92 -0.06 0.00	46.01 -0.09 0.00	57.16 -0.05 0.00	41.81 0.06 0.00	34.41 -0.12 0.00	30.73 -0.16 0.00	29.97 -0.16 0.00	32.68 -0.13 0.00	32.97 -0.19 0.00	32.83 -0.28 0.00	34.51 -0.45 0.00	35.13 -0.33 0.00	42.83 -0.16 0.00	57.40 0.18 0.00	85.01 0.43 0.00	71.06 0.43 0.00	54.32 0.62 0.00	45.59 0.47 0.00	44.10 0.42 0.00
PINELAWN_CC_1 323563	46.46 1.90 0.00	42.23 1.18 0.00	38.00 0.89 0.00	37.75 0.87 0.00	41.05 1.07 0.00	39.27 1.29 0.00	48.02 1.92 0.00	59.18 1.97 0.00	43.10 1.36 0.00	35.58 1.05 0.00	31.71 0.82 0.00	30.78 0.65 0.00	33.41 0.60 0.00	33.86 0.71 0.00	34.07 0.96 0.00	36.66 1.71 0.00	36.78 1.32 0.00	44.88 1.88 -0.02	60.07 2.85 0.00	89.07 4.49 0.00	74.54 3.91 0.00	57.41 3.26 -0.46	49.44 2.74 -1.58	46.15 2.47 0.00
PJM_GEN_HTP_PROXY 323702	46.25 1.69 0.00	42.37 1.32 0.00	38.15 1.04 0.00	37.91 1.04 0.00	41.12 1.14 0.00	39.24 1.27 0.00	47.81 1.70 0.00	59.35 2.14 0.00	43.12 1.57 0.20	35.81 1.28 0.00	32.01 1.12 0.00	31.20 1.07 0.00	33.85 1.04 0.00	34.30 1.14 0.00	34.33 1.23 0.00	36.94 1.48 -0.51	35.16 1.30 1.60	44.64 1.66 0.00	59.52 2.29 0.00	88.34 3.76 0.00	74.02 3.39 0.00	56.25 2.55 0.00	47.15 2.04 0.00	45.51 1.83 0.00
PJM_GEN_KEystone 24065	44.31 -0.25 0.00	40.91 -0.15 0.00	36.88 -0.23 0.00	36.63 -0.24 0.00	39.78 -0.20 0.00	37.60 -0.38 0.00	45.46 -0.65 0.00	56.46 -0.74 0.00	41.08 -0.47 0.20	34.22 -0.31 0.00	30.75 -0.15 0.00	29.99 -0.14 0.00	32.61 -0.20 0.00	32.92 -0.23 0.00	32.94 -0.16 0.00	35.46 0.00 -0.51	33.62 -0.24 1.60	42.63 -0.35 0.00	47.05 -1.11 9.06	108.45 -1.38 -25.25	69.43 -1.20 0.00	52.50 -1.18 0.02	44.12 -1.00 0.00	42.86 -0.81 0.00
PJM_GEN_NEPTUNE_PROXY 323594	46.13 1.57 0.00	42.02 0.96 0.00	37.81 0.70 0.00	37.57 0.70 0.00	40.84 0.87 0.00	39.05 1.07 0.00	47.69 1.58 0.00	58.89 1.68 0.00	42.74 1.19 0.20	35.48 0.94 0.00	31.68 0.78 0.00	30.77 0.64 0.00	33.40 0.60 0.00	33.86 0.71 0.00	34.04 0.94 0.00	37.05 1.59 -0.51	35.04 1.18 1.60	44.62 1.63 0.00	59.60 2.38 0.00	88.36 3.78 0.00	73.96 3.33 0.00	56.46 2.75 0.00	47.42 2.30 0.00	45.74 2.07 0.00
PJM_GEN_VFT_PROXY 323633	45.95 1.39 0.00	42.11 1.05 0.00	37.92 0.81 0.00	37.69 0.82 0.00	40.88 0.91 0.00	39.01 1.04 0.00	47.52 1.42 0.00	59.00 1.80 0.00	42.87 1.33 0.20	35.60 1.06 0.00	31.82 0.92 0.00	31.02 0.89 0.00	33.62 0.81 0.00	34.09 0.93 0.00	34.13 1.02 0.00	36.72 1.26 -0.51	34.91 1.05 1.60	44.36 1.37 0.00	59.12 1.89 0.00	87.78 3.20 0.00	73.59 2.96 0.00	55.88 2.18 0.00	46.81 1.70 0.00	45.21 1.54 0.00
PLATSBURG_115KV_PMLD1 355749	-20.49 -1.36 63.69	-20.52 -1.10 60.48	-20.46 -1.06 56.52	7.78 -1.21 27.88	23.70 -1.23 15.05	37.01 -0.97 0.00	45.37 -0.73 0.00	57.01 -0.19 0.00	41.50 -0.24 0.00	34.06 -0.47 0.00	30.61 -0.28 0.00	30.02 -0.11 0.00	32.77 -0.04 0.00	33.37 0.22 0.00	33.28 0.17 0.00	35.36 0.41 0.00	36.20 0.74 0.00	44.30 1.32 0.00	59.54 2.31 0.00	86.96 2.38 0.00	72.89 2.26 0.00	56.02 2.32 0.00	47.06 1.94 0.00	45.37 1.69 0.00
PLEASANTVLY___LBMP 24000	45.83 1.27 0.00	41.99 0.93 0.00	37.85 0.74 0.00	37.60 0.73 0.00	40.78 0.81 0.00	38.91 0.93 0.00	47.40 1.30 0.00	58.87 1.66 0.00	42.88 1.14 0.00	35.40 0.87 0.00	31.61 0.71 0.00	30.81 0.68 0.00	33.46 0.65 0.00	33.90 0.74 0.00	33.91 0.81 0.00	35.94 0.98 0.00	36.31 0.85 0.00	44.08 1.09 0.00	58.88 1.66 0.00	87.34 2.76 0.00	73.17 2.53 0.00	55.65 1.95 0.00	46.66 1.54 0.00	45.08 1.40 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	46.14 1.58 0.00	42.25 1.19 0.00	38.07 0.96 0.00	37.83 0.96 0.00	41.05 1.07 0.00	39.15 1.18 0.00	47.71 1.61 0.00	59.23 2.02 0.00	43.18 1.43 0.00	35.67 1.14 0.00	31.86 0.96 0.00	31.03 0.90 0.00	33.69 0.88 0.00	34.13 0.98 0.00	34.16 1.05 0.00	36.24 1.29 0.00	36.58 1.12 0.00	44.45 1.47 0.00	59.32 2.10 0.00	88.05 3.48 0.00	73.74 3.11 0.00	56.06 2.36 0.00	46.98 1.87 0.00	45.36 1.69 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	46.14 1.58 0.00	42.25 1.19 0.00	38.07 0.96 0.00	37.83 0.96 0.00	41.05 1.07 0.00	39.15 1.18 0.00	47.71 1.61 0.00	59.23 2.02 0.00	43.18 1.43 0.00	35.67 1.14 0.00	31.86 0.96 0.00	31.03 0.90 0.00	33.69 0.88 0.00	34.13 0.98 0.00	34.16 1.05 0.00	36.24 1.29 0.00	36.58 1.12 0.00	44.45 1.47 0.00	59.32 2.10 0.00	88.05 3.48 0.00	73.74 3.11 0.00	56.06 2.36 0.00	46.98 1.87 0.00	45.36 1.69 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	46.22 1.66 0.00	42.36 1.30 0.00	38.18 1.07 0.00	37.93 1.06 0.00	41.15 1.17 0.00	39.27 1.29 0.00	47.83 1.73 0.00	59.44 2.23 0.00	43.28 1.53 0.00	35.69 1.16 0.00	31.84 0.95 0.00	31.01 0.88 0.00	33.66 0.85 0.00	34.10 0.94 0.00	34.11 1.01 0.00	36.15 1.19 0.00	36.59 1.13 0.00	44.48 1.50 0.00	59.47 2.25 0.00	88.31 3.74 0.00	73.94 3.31 0.00	56.20 2.50 0.00	47.08 1.97 0.00	45.44 1.77 0.00
POLETTI___ 23519	46.19 1.63 0.00	42.30 1.25 0.00	38.08 0.96 0.00	37.83 0.96 0.00	41.02 1.04 0.00	39.15 1.17 0.00	47.67 1.57 0.00	59.18 1.97 0.00	43.22 1.47 0.00	35.75 1.21 0.00	31.97 1.07 0.00	31.16 1.03 0.00	33.79 0.98 0.00	34.25 1.09 0.00	34.29 1.18 0.00	36.38 1.42 0.00	36.71 1.25 0.00	44.55 1.57 0.00	59.37 2.15 0.00	88.12 3.54 0.00	73.85 3.22 0.00	56.12 2.42 0.00	47.03 1.92 0.00	45.40 1.72 0.00
POMONA___ESR 323819	45.82 1.26 0.00	42.03 0.97 0.00	37.86 0.75 0.00	37.63 0.76 0.00	40.84 0.86 0.00	38.97 0.99 0.00	47.43 1.33 0.00	58.91 1.70 0.00	42.95 1.20 0.00	35.46 0.92 0.00	31.62 0.72 0.00	30.84 0.71 0.00	33.46 0.65 0.00	33.93 0.77 0.00	33.96 0.86 0.00	36.04 1.08 0.00	36.33 0.87 0.00	44.18 1.20 0.00	58.93 1.70 0.00	87.54 2.96 0.00	73.34 2.70 0.00	55.64 1.94 0.00	46.62 1.51 0.00	45.05 1.38 0.00
PORT_JEFF_3 23555	46.47 1.91 0.00	42.05 0.99 0.00	37.81 0.70 0.00	37.57 0.70 0.00	40.92 0.94 0.00	39.16 1.19 0.00	48.07 1.97 0.00	58.98 1.78 0.00	42.94 1.20 0.00	38.83 0.92 -3.38	35.32 0.67 -3.76	33.99 0.46 -3.40	33.23 0.42 0.00	33.68 0.52 0.00	33.95 0.84 0.00	36.70 1.74 0.00	36.71 1.25 0.00	44.78 1.78 -0.01	60.00 2.77 0.00	89.08 4.50 0.00	74.49 3.86 0.00	57.18 3.26 -0.22	48.63 2.75 -0.76	46.14 2.46 0.00



PORT_JEFF_4 23616	46.31 1.76 0.00	41.93 0.87 0.00	37.73 0.62 0.00	37.47 0.60 0.00	40.80 0.83 0.00	39.05 1.08 0.00	47.91 1.81 0.00	58.80 1.60 0.00	42.81 1.07 0.00	35.37 0.84 0.00	31.51 0.61 0.00	30.55 0.42 0.00	33.18 0.37 0.00	33.62 0.46 0.00	33.89 0.79 0.00	36.62 1.67 0.00	36.63 1.17 0.00	44.66 1.67 -0.01	59.81 2.58 0.00	88.79 4.21 0.00	74.26 3.63 0.00	57.01 3.10 -0.21	48.49 2.64 -0.73	46.04 2.36 0.00
PORT_JEFF_IC 23713	46.42 1.86 0.00	42.00 0.95 0.00	37.78 0.67 0.00	37.53 0.66 0.00	40.87 0.90 0.00	39.13 1.15 0.00	48.02 1.92 0.00	58.92 1.71 0.00	42.90 1.15 0.00	38.80 0.89 -3.38	35.29 0.64 -3.76	33.96 0.43 -3.40	33.20 0.39 0.00	33.65 0.49 0.00	33.92 0.81 0.00	36.67 1.71 0.00	36.68 1.22 0.00	44.74 1.75 -0.01	59.96 2.74 0.00	89.00 4.42 0.00	74.43 3.79 0.00	57.14 3.21 -0.22	48.60 2.72 -0.76	46.11 2.44 0.00
PPL_PILGRIM_ST_GT1 24216	46.65 2.09 0.00	42.31 1.26 0.00	38.07 0.96 0.00	37.82 0.95 0.00	41.17 1.20 0.00	39.38 1.40 0.00	48.22 2.12 0.00	59.29 2.09 0.00	43.17 1.42 0.00	35.67 1.13 0.00	31.78 0.89 0.00	30.81 0.68 0.00	33.46 0.65 0.00	33.90 0.74 0.00	34.13 1.03 0.00	36.83 1.87 0.00	36.89 1.43 0.00	45.02 2.02 -0.01	60.22 3.00 0.00	89.10 4.53 0.00	74.55 3.92 0.00	57.42 3.47 -0.25	48.93 2.94 -0.87	46.33 2.66 0.00
PPL_PILGRIM_ST_GT2 24217	46.65 2.09 0.00	42.31 1.26 0.00	38.07 0.96 0.00	37.82 0.95 0.00	41.17 1.20 0.00	39.38 1.40 0.00	48.22 2.12 0.00	59.29 2.09 0.00	43.17 1.42 0.00	35.67 1.13 0.00	31.78 0.89 0.00	30.81 0.68 0.00	33.46 0.65 0.00	33.90 0.74 0.00	34.13 1.03 0.00	36.83 1.87 0.00	36.89 1.43 0.00	45.02 2.02 -0.01	60.22 3.00 0.00	89.10 4.53 0.00	74.55 3.92 0.00	57.42 3.47 -0.25	48.93 2.94 -0.87	46.33 2.66 0.00
PPL_SHRM_GT3 24213	45.67 1.11 0.00	41.14 0.09 0.00	37.03 -0.09 0.00	36.77 -0.10 0.00	40.04 0.06 0.00	38.37 0.39 0.00	47.28 1.18 0.00	57.77 0.56 0.00	42.05 0.31 0.00	26.58 0.18 8.13	21.77 -0.01 9.11	21.70 -0.19 8.24	32.62 -0.19 0.00	33.08 -0.08 0.00	33.47 0.36 0.00	36.36 1.41 0.00	36.16 0.70 0.00	43.92 0.93 -0.01	58.93 1.71 0.00	87.68 3.10 0.00	73.39 2.75 0.00	56.33 2.42 -0.21	47.94 2.08 -0.74	45.52 1.85 0.00
PPL_SHRM_GT4 24214	45.67 1.11 0.00	41.14 0.09 0.00	37.03 -0.09 0.00	36.77 -0.10 0.00	40.04 0.06 0.00	38.37 0.39 0.00	47.28 1.18 0.00	57.77 0.56 0.00	42.05 0.31 0.00	26.58 0.18 8.13	21.77 -0.01 9.11	21.70 -0.19 8.24	32.62 -0.19 0.00	33.08 -0.08 0.00	33.47 0.36 0.00	36.36 1.41 0.00	36.16 0.70 0.00	43.92 0.93 -0.01	58.93 1.71 0.00	87.68 3.10 0.00	73.39 2.75 0.00	56.33 2.42 -0.21	47.94 2.08 -0.74	45.52 1.85 0.00
PROJECT___ORANGE 1 24174	44.16 -0.39 0.00	40.75 -0.31 0.00	36.84 -0.27 0.00	36.60 -0.27 0.00	39.68 -0.30 0.00	37.63 -0.35 0.00	45.59 -0.51 0.00	56.59 -0.62 0.00	41.25 -0.50 0.00	34.15 -0.39 0.00	30.62 -0.28 0.00	29.84 -0.29 0.00	32.47 -0.34 0.00	32.77 -0.39 0.00	32.73 -0.38 0.00	34.61 -0.34 0.00	35.10 -0.37 0.00	42.48 -0.50 0.00	56.38 -0.85 0.00	83.40 -1.18 0.00	69.51 -1.12 0.00	52.63 -1.07 0.00	44.18 -0.94 0.00	42.79 -0.88 0.00
PROJECT___ORANGE 2 24166	44.16 -0.39 0.00	40.75 -0.31 0.00	36.84 -0.27 0.00	36.60 -0.27 0.00	39.68 -0.30 0.00	37.63 -0.35 0.00	45.59 -0.51 0.00	56.59 -0.62 0.00	41.25 -0.50 0.00	34.15 -0.39 0.00	30.62 -0.28 0.00	29.84 -0.29 0.00	32.47 -0.34 0.00	32.77 -0.39 0.00	32.73 -0.38 0.00	34.61 -0.34 0.00	35.10 -0.37 0.00	42.48 -0.50 0.00	56.38 -0.85 0.00	83.40 -1.18 0.00	69.51 -1.12 0.00	52.63 -1.07 0.00	44.18 -0.94 0.00	42.79 -0.88 0.00
PUCKETT___SOLAR 323809	44.45 -0.11 0.00	41.09 0.03 0.00	37.04 -0.07 0.00	36.82 -0.05 0.00	39.99 0.01 0.00	37.95 -0.03 0.00	46.05 -0.05 0.00	57.38 0.18 0.00	41.94 0.20 0.00	34.45 -0.09 0.00	30.76 -0.13 0.00	30.02 -0.10 0.00	32.74 -0.07 0.00	33.01 -0.14 0.00	32.98 -0.13 0.00	34.95 0.00 0.00	35.56 0.10 0.00	43.58 0.59 0.00	57.80 0.57 0.00	85.67 1.10 0.00	71.16 0.52 0.00	53.66 -0.04 0.00	44.83 -0.29 0.00	43.30 -0.38 0.00
PYRITES___HYD 24023	54.09 0.82 -8.72	50.27 0.93 -8.28	45.80 0.94 -7.74	41.63 0.93 -3.82	43.12 1.08 -2.06	38.92 0.94 0.00	47.20 1.10 0.00	58.53 1.32 0.00	42.63 0.88 0.00	34.89 0.35 0.00	31.10 0.20 0.00	30.31 0.18 0.00	33.05 0.24 0.00	33.35 0.20 0.00	33.21 0.11 0.00	34.93 -0.02 0.00	35.56 0.10 0.00	43.40 0.41 0.00	58.47 1.24 0.00	87.09 2.51 0.00	72.88 2.25 0.00	55.64 1.94 0.00	46.66 1.54 0.00	45.18 1.50 0.00
QUAKERRD_115KV_BK1 80622	42.86 -1.70 0.00	39.73 -1.33 0.00	35.97 -1.14 0.00	35.68 -1.19 0.00	38.69 -1.29 0.00	36.39 -1.59 0.00	43.89 -2.21 0.00	54.38 -2.82 0.00	39.70 -2.04 0.00	32.96 -1.58 0.00	29.73 -1.16 0.00	28.88 -1.25 0.00	31.37 -1.44 0.00	31.53 -1.62 0.00	31.56 -1.54 0.00	33.46 -1.50 0.00	34.12 -1.34 0.00	41.15 -1.84 0.00	54.02 -3.20 0.00	79.70 -4.87 0.00	66.35 -4.28 0.00	50.20 -3.48 0.02	42.27 -2.84 0.00	41.08 -2.59 0.00
QUEENSBRY_115KV_TB8 356137	47.57 3.02 0.00	43.25 2.19 0.00	38.98 1.87 0.00	38.73 1.86 0.00	42.00 2.02 0.00	40.11 2.13 0.00	49.07 2.97 0.00	61.10 3.90 0.00	44.02 2.28 0.00	35.98 1.45 0.00	31.85 0.96 0.00	31.03 0.90 0.00	33.75 0.94 0.00	34.16 1.01 0.00	34.03 0.92 0.00	36.22 1.26 0.00	37.16 1.70 0.00	44.95 1.97 0.00	61.12 3.89 0.00	90.54 5.97 0.00	75.85 5.22 0.00	57.58 3.88 0.00	48.17 3.06 0.00	46.52 2.84 0.00
RAMAPO___LBMP 323565	45.61 1.06 0.00	41.86 0.80 0.00	37.70 0.60 0.00	37.50 0.63 0.00	40.70 0.71 0.00	38.82 0.84 0.00	47.24 1.14 0.00	58.67 1.46 0.00	42.77 1.03 0.00	35.31 0.78 0.00	31.48 0.58 0.00	30.70 0.57 0.00	33.31 0.51 0.00	33.78 0.62 0.00	33.82 0.72 0.00	35.87 0.92 0.00	36.16 0.70 0.00	43.96 0.98 0.00	58.65 1.42 0.00	87.13 2.55 0.00	73.00 2.37 0.00	55.37 1.67 0.00	46.40 1.28 0.00	44.85 1.17 0.00
RANKINE____ 23646	43.43 -1.13 0.00	40.57 -0.48 0.00	36.72 -0.39 0.00	36.33 -0.54 0.00	39.40 -0.57 0.00	36.63 -1.35 0.00	43.88 -2.22 0.00	54.28 -2.92 0.00	39.85 -1.89 0.00	33.36 -1.17 0.00	30.39 -0.51 0.00	29.45 -0.69 0.00	32.02 -0.79 0.00	32.01 -1.15 0.00	32.03 -1.08 0.00	33.97 -0.99 0.00	34.60 -0.86 0.00	41.44 -1.55 0.00	53.44 -3.79 0.00	78.53 -6.04 0.00	65.31 -5.32 0.00	49.38 -4.28 0.04	41.04 -3.40 0.67	40.86 -2.80 0.02
RAVENSWOOD_GT2_1 24244	46.29 1.74 0.00	42.40 1.34 0.00	38.18 1.07 0.00	37.94 1.07 0.00	41.15 1.17 0.00	39.27 1.29 0.00	47.83 1.73 0.00	59.39 2.18 0.00	43.35 1.60 0.00	35.84 1.30 0.00	32.04 1.14 0.00	31.23 1.10 0.00	33.88 1.07 0.00	34.33 1.18 0.00	34.37 1.26 0.00	36.46 1.51 0.00	36.79 1.33 0.00	44.68 1.70 0.00	59.56 2.34 0.00	88.42 3.84 0.00	74.08 3.45 0.00	56.31 2.60 0.00	47.19 2.08 0.00	45.55 1.88 0.00



RAVENSWOOD_GT2_2 24245	46.29 1.74 0.00	42.40 1.34 0.00	38.18 1.07 0.00	37.94 1.07 0.00	41.15 1.17 0.00	39.27 1.29 0.00	47.83 1.73 0.00	59.39 2.18 0.00	43.35 1.60 0.00	35.84 1.30 0.00	32.04 1.14 0.00	31.23 1.10 0.00	33.88 1.07 0.00	34.33 1.18 0.00	34.37 1.26 0.00	36.46 1.51 0.00	36.79 1.33 0.00	44.68 1.70 0.00	59.56 2.34 0.00	88.42 3.84 0.00	74.08 3.45 0.00	56.31 2.60 0.00	47.19 2.08 0.00	45.55 1.88 0.00
RAVENSWOOD_GT2_3 24246	46.32 1.76 0.00	42.42 1.37 0.00	38.19 1.08 0.00	37.95 1.08 0.00	41.17 1.19 0.00	39.29 1.31 0.00	47.85 1.75 0.00	59.41 2.20 0.00	43.37 1.62 0.00	35.86 1.32 0.00	32.05 1.16 0.00	31.24 1.11 0.00	33.89 1.08 0.00	34.35 1.19 0.00	34.38 1.28 0.00	36.49 1.53 0.00	36.82 1.36 0.00	44.70 1.72 0.00	59.60 2.38 0.00	88.45 3.88 0.00	74.14 3.51 0.00	56.33 2.63 0.00	47.21 2.10 0.00	45.57 1.89 0.00
RAVENSWOOD_GT2_4 24247	46.32 1.76 0.00	42.42 1.37 0.00	38.19 1.08 0.00	37.95 1.08 0.00	41.17 1.19 0.00	39.29 1.31 0.00	47.85 1.75 0.00	59.41 2.20 0.00	43.37 1.62 0.00	35.86 1.32 0.00	32.05 1.16 0.00	31.24 1.11 0.00	33.89 1.08 0.00	34.35 1.19 0.00	34.38 1.28 0.00	36.49 1.53 0.00	36.82 1.36 0.00	44.70 1.72 0.00	59.60 2.38 0.00	88.45 3.88 0.00	74.14 3.51 0.00	56.33 2.63 0.00	47.21 2.10 0.00	45.57 1.89 0.00
RAVENSWOOD_GT3_1 24248	46.29 1.74 0.00	42.40 1.34 0.00	38.18 1.07 0.00	37.94 1.07 0.00	41.15 1.17 0.00	39.27 1.29 0.00	47.83 1.73 0.00	59.39 2.18 0.00	43.35 1.60 0.00	35.84 1.30 0.00	32.04 1.14 0.00	31.23 1.10 0.00	33.88 1.07 0.00	34.33 1.18 0.00	34.37 1.26 0.00	36.47 1.51 0.00	36.79 1.33 0.00	44.68 1.70 0.00	59.56 2.34 0.00	88.42 3.84 0.00	74.08 3.45 0.00	56.31 2.60 0.00	47.19 2.08 0.00	45.55 1.88 0.00
RAVENSWOOD_GT3_2 24249	46.29 1.74 0.00	42.40 1.34 0.00	38.18 1.07 0.00	37.94 1.07 0.00	41.15 1.17 0.00	39.27 1.29 0.00	47.83 1.73 0.00	59.39 2.18 0.00	43.35 1.60 0.00	35.84 1.30 0.00	32.04 1.14 0.00	31.23 1.10 0.00	33.88 1.07 0.00	34.33 1.18 0.00	34.37 1.26 0.00	36.47 1.51 0.00	36.79 1.33 0.00	44.68 1.70 0.00	59.56 2.34 0.00	88.42 3.84 0.00	74.08 3.45 0.00	56.31 2.60 0.00	47.19 2.08 0.00	45.55 1.88 0.00
RAVENSWOOD_GT3_3 24250	46.37 1.81 0.00	42.45 1.40 0.00	38.23 1.12 0.00	37.99 1.11 0.00	41.21 1.23 0.00	39.32 1.35 0.00	47.90 1.80 0.00	59.47 2.26 0.00	43.41 1.66 0.00	35.89 1.36 0.00	32.09 1.19 0.00	31.27 1.14 0.00	33.92 1.11 0.00	34.38 1.23 0.00	34.42 1.31 0.00	36.52 1.56 0.00	36.86 1.40 0.00	44.76 1.77 0.00	59.66 2.43 0.00	88.54 3.97 0.00	74.21 3.58 0.00	56.39 2.69 0.00	47.26 2.14 0.00	45.61 1.93 0.00
RAVENSWOOD_GT3_4 24251	46.37 1.81 0.00	42.45 1.40 0.00	38.23 1.12 0.00	37.99 1.11 0.00	41.21 1.23 0.00	39.32 1.35 0.00	47.90 1.80 0.00	59.47 2.26 0.00	43.41 1.66 0.00	35.89 1.36 0.00	32.09 1.19 0.00	31.27 1.14 0.00	33.92 1.11 0.00	34.38 1.23 0.00	34.42 1.31 0.00	36.52 1.56 0.00	36.86 1.40 0.00	44.76 1.77 0.00	59.66 2.43 0.00	88.54 3.97 0.00	74.21 3.58 0.00	56.39 2.69 0.00	47.26 2.14 0.00	45.61 1.93 0.00
RAVENSWOOD_GT_1 23729	48.61 1.99 -2.05	45.50 1.55 -2.90	41.89 1.24 -3.53	41.66 1.23 -3.56	44.24 1.36 -2.90	42.73 1.47 -3.29	49.62 1.93 -1.59	59.64 2.42 -0.01	46.28 1.81 -2.73	40.28 1.49 -4.25	37.47 1.32 -5.26	37.37 1.28 -5.96	38.47 1.26 -4.40	38.84 1.37 -4.31	38.86 1.45 -4.30	40.70 1.71 -4.03	41.04 1.53 -4.05	47.40 1.94 -2.48	60.94 2.62 -1.10	90.53 4.23 -1.72	79.10 3.83 -4.65	64.90 2.90 -8.29	49.89 2.32 -2.46	48.06 2.10 -2.28
RAVENSWOOD_GT_10 24258	46.53 1.74 -0.24	42.73 1.34 -0.33	38.59 1.07 -0.41	38.35 1.07 -0.41	41.49 1.17 -0.33	39.65 1.29 -0.38	48.01 1.72 -0.18	59.38 2.18 0.00	43.65 1.59 -0.31	36.33 1.30 -0.49	32.64 1.14 -0.61	31.69 1.10 -0.46	34.37 1.06 -0.51	34.82 1.18 -0.50	34.86 1.26 -0.50	36.93 1.51 -0.46	37.26 1.33 -0.46	44.97 1.70 -0.28	59.69 2.34 -0.13	88.60 3.83 -0.20	74.62 3.45 -0.54	57.25 2.60 -0.96	47.45 2.06 -0.28	45.81 1.88 -0.26
RAVENSWOOD_GT_11 24259	46.53 1.74 -0.24	42.73 1.34 -0.33	38.59 1.07 -0.41	38.35 1.07 -0.41	41.49 1.17 -0.33	39.65 1.29 -0.38	48.01 1.72 -0.18	59.38 2.18 0.00	43.65 1.59 -0.31	36.33 1.30 -0.49	32.64 1.14 -0.61	31.69 1.10 -0.46	34.37 1.06 -0.51	34.82 1.18 -0.50	34.86 1.26 -0.50	36.93 1.51 -0.46	37.26 1.33 -0.46	44.97 1.70 -0.28	59.69 2.34 -0.13	88.60 3.83 -0.20	74.62 3.45 -0.54	57.25 2.60 -0.96	47.45 2.06 -0.28	45.81 1.88 -0.26
RAVENSWOOD_GT_4 24252	47.82 1.70 -1.56	44.59 1.33 -2.21	40.86 1.06 -2.69	40.64 1.06 -2.71	43.35 1.16 -2.21	41.76 1.28 -2.50	49.02 1.71 -1.21	59.37 2.15 -0.01	45.40 1.58 -2.07	39.05 1.28 -3.23	36.02 1.12 -4.00	34.25 1.07 -3.05	37.19 1.04 -3.34	37.58 1.15 -3.27	37.60 1.23 -3.27	39.51 1.49 -3.07	39.85 1.32 -3.08	46.54 1.67 -1.89	60.37 2.32 -0.83	89.67 3.78 -1.31	77.59 3.43 -3.53	62.57 2.57 -6.31	49.03 2.05 -1.87	47.26 1.85 -1.74
RAVENSWOOD_GT_5 24254	47.82 1.70 -1.56	44.59 1.33 -2.21	40.86 1.06 -2.69	40.64 1.06 -2.71	43.35 1.16 -2.21	41.76 1.28 -2.50	49.02 1.71 -1.21	59.37 2.15 -0.01	45.40 1.58 -2.07	39.05 1.28 -3.23	36.02 1.12 -4.00	34.25 1.07 -3.05	37.19 1.04 -3.34	37.58 1.15 -3.27	37.60 1.23 -3.27	39.51 1.49 -3.07	39.85 1.32 -3.08	46.54 1.67 -1.89	60.37 2.32 -0.83	89.67 3.78 -1.31	77.59 3.43 -3.53	62.57 2.57 -6.31	49.03 2.05 -1.87	47.26 1.85 -1.74
RAVENSWOOD_GT_6 24253	47.82 1.70 -1.56	44.59 1.33 -2.21	40.86 1.06 -2.69	40.64 1.06 -2.71	43.35 1.16 -2.21	41.76 1.28 -2.50	49.02 1.71 -1.21	59.37 2.15 -0.01	45.40 1.58 -2.07	39.05 1.28 -3.23	36.02 1.12 -4.00	34.25 1.07 -3.05	37.19 1.04 -3.34	37.58 1.15 -3.27	37.60 1.23 -3.27	39.51 1.49 -3.07	39.85 1.32 -3.08	46.54 1.67 -1.89	60.37 2.32 -0.83	89.67 3.78 -1.31	77.59 3.43 -3.53	62.57 2.57 -6.31	49.03 2.05 -1.87	47.26 1.85 -1.74
RAVENSWOOD_GT_7 24255	47.82 1.70 -1.56	44.59 1.33 -2.21	40.86 1.06 -2.69	40.64 1.06 -2.71	43.35 1.16 -2.21	41.76 1.28 -2.50	49.02 1.71 -1.21	59.37 2.15 -0.01	45.40 1.58 -2.07	39.05 1.28 -3.23	36.02 1.12 -4.00	34.25 1.07 -3.05	37.19 1.04 -3.34	37.58 1.15 -3.27	37.60 1.23 -3.27	39.51 1.49 -3.07	39.85 1.32 -3.08	46.54 1.67 -1.89	60.37 2.32 -0.83	89.67 3.78 -1.31	77.59 3.43 -3.53	62.57 2.57 -6.31	49.03 2.05 -1.87	47.26 1.85 -1.74
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	46.53 1.74 -0.24	42.73 1.34 -0.33	38.59 1.07 -0.41	38.35 1.07 -0.41	41.49 1.17 -0.33	39.65 1.29 -0.38	48.01 1.72 -0.18	59.38 2.18 0.00	43.65 1.59 -0.31	36.33 1.30 -0.49	32.64 1.14 -0.61	31.69 1.10 -0.46	34.37 1.06 -0.51	34.82 1.18 -0.50	34.86 1.26 -0.50	36.93 1.51 -0.46	37.26 1.33 -0.46	44.97 1.70 -0.28	59.69 2.34 -0.13	88.60 3.83 -0.20	74.62 3.45 -0.54	57.25 2.60 -0.96	47.45 2.06 -0.28	45.81 1.88 -0.26



RAVENSWOOD_GT_9 24257	46.53 1.74 -0.24	42.73 1.34 -0.33	38.59 1.07 -0.41	38.35 1.07 -0.41	41.49 1.17 -0.33	39.65 1.29 -0.38	48.01 1.72 -0.18	59.38 2.18 0.00	43.65 1.59 -0.31	36.33 1.30 -0.49	32.64 1.14 -0.61	31.69 1.10 -0.46	34.37 1.06 -0.51	34.82 1.18 -0.50	34.86 1.26 -0.50	36.93 1.51 -0.46	37.26 1.33 -0.46	44.97 1.70 -0.28	59.69 2.34 -0.13	88.60 3.83 -0.20	74.62 3.45 -0.54	57.25 2.60 -0.96	47.45 2.06 -0.28	45.81 1.88 -0.26
RAVENSWOOD___1 23533	44.46 1.92 2.02	39.67 1.46 2.85	34.79 1.16 3.48	34.52 1.15 3.50	38.39 1.26 2.85	36.12 1.38 3.24	46.37 1.83 1.57	59.49 2.30 0.01	40.77 1.71 2.68	31.77 1.42 4.18	28.23 1.26 3.93	27.61 1.23 3.75	29.69 1.20 4.32	30.24 1.31 4.23	30.28 1.39 4.22	32.63 1.64 3.97	32.95 1.47 3.98	42.39 1.84 2.44	58.65 2.51 1.08	86.96 4.08 1.70	69.79 3.72 4.56	48.35 2.80 8.15	44.93 2.23 2.42	43.45 2.02 2.24
RAVENSWOOD___2 23534	44.46 1.92 2.02	39.67 1.46 2.85	34.79 1.16 3.48	34.52 1.15 3.50	38.39 1.26 2.85	36.12 1.38 3.24	46.37 1.83 1.57	59.49 2.30 0.01	40.77 1.71 2.68	31.77 1.42 4.18	28.23 1.26 3.93	27.61 1.23 3.75	29.69 1.20 4.32	30.24 1.31 4.23	30.28 1.39 4.22	32.63 1.64 3.97	32.95 1.47 3.98	42.39 1.84 2.44	58.65 2.51 1.08	86.96 4.08 1.70	69.79 3.72 4.56	48.35 2.80 8.15	44.93 2.23 2.42	43.45 2.02 2.24
RAVENSWOOD___3 23535	46.30 1.75 0.00	42.41 1.35 0.00	38.19 1.08 0.00	37.94 1.07 0.00	41.16 1.18 0.00	39.27 1.29 0.00	47.83 1.73 0.00	59.39 2.18 0.00	43.35 1.60 0.00	35.84 1.30 0.00	32.04 1.14 0.00	31.23 1.10 0.00	33.88 1.07 0.00	34.33 1.18 0.00	34.37 1.26 0.00	36.47 1.51 0.00	36.80 1.34 0.00	44.68 1.70 0.00	59.56 2.34 0.00	88.42 3.85 0.00	74.08 3.45 0.00	56.31 2.61 0.00	47.19 2.07 0.00	45.55 1.87 0.00
RAVENSWOOD___4 23820	44.46 1.92 2.02	39.67 1.46 2.85	34.79 1.16 3.48	34.52 1.15 3.50	38.39 1.26 2.85	36.12 1.38 3.24	46.37 1.83 1.57	59.49 2.30 0.01	40.77 1.71 2.68	31.77 1.42 4.18	28.23 1.26 3.93	27.61 1.23 3.75	29.69 1.20 4.32	30.24 1.31 4.23	30.28 1.39 4.22	32.63 1.64 3.97	32.95 1.47 3.98	42.39 1.84 2.44	58.65 2.51 1.08	86.96 4.08 1.70	69.79 3.72 4.56	48.35 2.80 8.15	44.93 2.23 2.42	43.45 2.02 2.24
RCPL_TRUST___DRP 24196	46.29 1.74 0.00	42.44 1.38 0.00	38.42 1.31 0.00	38.18 1.31 0.00	41.42 1.44 0.00	39.53 1.55 0.00	48.14 2.04 0.00	59.79 2.58 0.00	43.65 1.91 0.00	36.11 1.58 0.00	32.29 1.39 0.00	31.45 1.32 0.00	33.98 1.17 0.00	34.34 1.19 0.00	34.37 1.27 0.00	36.48 1.53 0.00	36.81 1.35 0.00	44.70 1.72 0.00	59.60 2.38 0.00	88.44 3.86 0.00	74.12 3.49 0.00	56.32 2.62 0.00	47.21 2.09 0.00	45.57 1.89 0.00
RED___ROCHESTER 323720	43.89 -0.67 0.00	40.72 -0.33 0.00	36.86 -0.25 0.00	36.54 -0.34 0.00	39.61 -0.37 0.00	37.16 -0.82 0.00	44.78 -1.33 0.00	55.46 -1.74 0.00	40.52 -1.22 0.00	33.66 -0.88 0.00	30.43 -0.46 0.00	29.54 -0.59 0.00	32.08 -0.73 0.00	32.20 -0.95 0.00	32.26 -0.85 0.00	34.21 -0.74 0.00	34.93 -0.53 0.00	42.09 -0.89 0.00	55.11 -2.12 0.00	81.35 -3.22 0.00	67.72 -2.92 0.00	51.19 -2.49 0.02	43.15 -1.97 0.00	41.94 -1.74 0.00
REGAN___SOLAR 323812	47.08 2.52 0.00	43.39 2.34 0.00	39.20 2.09 0.00	38.94 2.07 0.00	42.27 2.30 0.00	40.24 2.26 0.00	48.89 2.79 0.00	60.49 3.29 0.00	42.99 1.25 0.00	34.50 -0.03 0.00	30.61 -0.28 0.00	29.81 -0.32 0.00	32.43 -0.37 0.00	32.75 -0.41 0.00	32.67 -0.44 0.00	34.55 -0.40 0.00	35.52 0.05 0.00	44.30 1.32 0.00	60.58 3.35 0.00	90.28 5.70 0.00	75.42 4.79 0.00	57.13 3.43 0.00	47.80 2.69 0.00	46.13 2.45 0.00
RENSSELAER___COGEN 23796	44.97 0.41 0.00	41.28 0.22 0.00	37.31 0.20 0.00	37.07 0.20 0.00	40.15 0.17 0.00	38.25 0.27 0.00	46.55 0.45 0.00	57.80 0.60 0.00	41.97 0.23 0.00	34.69 0.16 0.00	30.93 0.04 0.00	30.19 0.06 0.00	32.84 0.03 0.00	33.27 0.11 0.00	33.19 0.09 0.00	35.04 0.08 0.00	35.61 0.15 0.00	43.17 0.18 0.00	57.75 0.53 0.00	85.42 0.84 0.00	71.49 0.86 0.00	54.48 0.78 0.00	45.81 0.69 0.00	44.31 0.64 0.00
REPUBLIC_115KV_BARTNBRK 55605	49.08 4.52 0.00	44.35 3.30 0.00	39.90 2.79 0.00	39.63 2.76 0.00	42.94 2.97 0.00	41.14 3.16 0.00	50.45 4.35 0.00	63.06 5.86 0.00	44.98 3.24 0.00	36.55 2.02 0.00	32.18 1.28 0.00	31.33 1.20 0.00	34.11 1.30 0.00	34.62 1.47 0.00	34.37 1.27 0.00	36.88 1.92 0.00	38.07 2.61 0.00	45.94 2.95 0.00	63.25 6.02 0.00	94.05 9.47 0.00	79.05 8.42 0.00	59.94 6.24 0.00	50.00 4.88 0.00	48.25 4.58 0.00
REVERE_CPPR_DRP 24186	45.66 1.11 0.00	42.05 1.00 0.00	38.03 0.92 0.00	37.85 0.98 0.00	41.12 1.14 0.00	39.09 1.11 0.00	47.50 1.40 0.00	59.03 1.82 0.00	42.83 1.09 0.00	35.14 0.60 0.00	31.34 0.44 0.00	30.51 0.38 0.00	33.19 0.38 0.00	33.51 0.35 0.00	33.46 0.36 0.00	35.38 0.42 0.00	36.06 0.60 0.00	44.16 1.17 0.00	59.27 2.05 0.00	87.95 3.38 0.00	73.38 2.74 0.00	55.54 1.84 0.00	46.44 1.33 0.00	44.80 1.12 0.00
REYNOLDS_115KV_TB3 80639	45.12 0.56 0.00	41.41 0.35 0.00	37.45 0.34 0.00	37.21 0.34 0.00	40.28 0.30 0.00	38.38 0.40 0.00	46.71 0.61 0.00	58.00 0.79 0.00	42.10 0.36 0.00	34.82 0.28 0.00	31.02 0.13 0.00	30.27 0.15 0.00	32.93 0.12 0.00	33.37 0.21 0.00	33.28 0.17 0.00	35.16 0.20 0.00	35.73 0.27 0.00	43.27 0.29 0.00	57.92 0.70 0.00	85.64 1.07 0.00	71.70 1.06 0.00	54.67 0.97 0.00	45.99 0.88 0.00	44.50 0.82 0.00
RIVERBAY____ 323610	46.64 2.08 0.00	42.61 1.56 0.00	38.44 1.32 0.00	38.26 1.39 0.00	41.46 1.48 0.00	39.61 1.63 0.00	48.24 2.14 0.00	59.88 2.67 0.00	43.80 2.05 0.00	35.89 1.35 0.00	32.07 1.17 -0.01	31.25 1.12 -0.01	33.87 1.06 -0.01	34.33 1.17 -0.01	34.35 1.24 -0.01	36.45 1.49 0.00	36.79 1.32 0.00	44.78 1.79 0.00	59.76 2.53 0.00	88.82 4.24 0.00	74.59 3.95 -0.01	56.74 3.04 -0.01	47.45 2.33 0.00	45.76 2.09 0.00
RIVERSDE_115KV_TB3 55908	45.07 0.51 0.00	41.38 0.32 0.00	37.41 0.30 0.00	37.17 0.30 0.00	40.24 0.27 0.00	38.34 0.36 0.00	46.67 0.57 0.00	57.94 0.74 0.00	42.07 0.33 0.00	34.78 0.24 0.00	31.01 0.11 0.00	30.25 0.12 0.00	32.91 0.10 0.00	33.33 0.18 0.00	33.26 0.15 0.00	35.12 0.17 0.00	35.70 0.24 0.00	43.27 0.28 0.00	57.91 0.68 0.00	85.62 1.04 0.00	71.67 1.04 0.00	54.62 0.92 0.00	45.94 0.82 0.00	44.45 0.77 0.00
ROARING___BROOK_WT_PWR 323790	44.01 -0.55 0.00	40.59 -0.47 0.00	36.80 -0.31 0.00	36.66 -0.21 0.00	39.87 -0.11 0.00	37.87 -0.11 0.00	45.98 -0.13 0.00	57.05 -0.16 0.00	41.73 -0.01 0.00	34.57 0.04 0.00	30.93 0.03 0.00	30.18 0.04 0.00	32.87 0.06 0.00	33.21 0.06 0.00	33.15 0.04 0.00	34.97 0.02 0.00	35.51 0.05 0.00	43.07 0.08 0.00	57.34 0.12 0.00	84.67 0.09 0.00	70.71 0.08 0.00	53.76 0.06 0.00	45.12 0.00 0.00	43.59 -0.09 0.00



ROCHESRG_115KV_T4 355643	43.42 -1.14 0.00	40.31 -0.75 0.00	36.49 -0.62 0.00	36.18 -0.69 0.00	39.22 -0.76 0.00	36.79 -1.19 0.00	44.30 -1.80 0.00	54.87 -2.34 0.00	40.11 -1.63 0.00	33.34 -1.20 0.00	30.16 -0.74 0.00	29.29 -0.85 0.00	31.82 -0.99 0.00	31.95 -1.21 0.00	31.98 -1.13 0.00	33.89 -1.06 0.00	34.55 -0.91 0.00	41.58 -1.40 0.00	54.41 -2.82 0.00	80.26 -4.32 0.00	66.83 -3.81 0.00	50.56 -3.11 0.02	42.45 -2.48 0.19	41.48 -2.19 0.00
ROCHESTER_9_IC 23652	43.66 -0.90 0.00	40.53 -0.53 0.00	36.69 -0.42 0.00	36.36 -0.51 0.00	39.42 -0.56 0.00	36.99 -0.99 0.00	44.56 -1.54 0.00	55.17 -2.03 0.00	40.32 -1.43 0.00	33.50 -1.03 0.00	30.30 -0.59 0.00	29.41 -0.72 0.00	31.95 -0.86 0.00	32.07 -1.08 0.00	32.11 -0.99 0.00	34.05 -0.91 0.00	34.74 -0.72 0.00	41.85 -1.14 0.00	54.75 -2.47 0.00	80.79 -3.79 0.00	67.28 -3.35 0.00	50.88 -2.80 0.02	42.89 -2.23 0.00	41.71 -1.96 0.00
ROCKVIEW_13_KV_LD 356306	46.29 1.73 0.00	42.38 1.33 0.00	38.17 1.06 0.00	37.92 1.06 0.00	41.15 1.17 0.00	39.26 1.29 0.00	47.83 1.73 0.00	59.39 2.18 0.00	43.32 1.58 0.00	35.82 1.29 0.00	32.00 1.11 0.00	31.19 1.06 0.00	33.85 1.04 0.00	34.30 1.14 0.00	34.34 1.23 0.00	36.45 1.50 0.00	36.77 1.31 0.00	44.67 1.68 0.00	59.58 2.35 0.00	88.43 3.86 0.00	74.08 3.45 0.00	56.32 2.61 0.00	47.18 2.06 0.00	45.56 1.88 0.00
ROME____115KV_TB2 80656	45.66 1.11 0.00	42.05 1.00 0.00	38.03 0.92 0.00	37.85 0.98 0.00	41.12 1.14 0.00	39.09 1.11 0.00	47.50 1.40 0.00	59.03 1.82 0.00	42.83 1.09 0.00	35.14 0.60 0.00	31.34 0.44 0.00	30.51 0.38 0.00	33.19 0.38 0.00	33.51 0.35 0.00	33.46 0.36 0.00	35.38 0.42 0.00	36.06 0.60 0.00	44.16 1.17 0.00	59.27 2.05 0.00	87.95 3.38 0.00	73.38 2.74 0.00	55.54 1.84 0.00	46.44 1.33 0.00	44.80 1.12 0.00
ROSETON___1 23587	45.74 1.19 0.00	41.94 0.88 0.00	37.80 0.69 0.00	37.57 0.69 0.00	40.75 0.77 0.00	38.87 0.90 0.00	47.32 1.22 0.00	58.77 1.56 0.00	42.82 1.08 0.00	35.36 0.82 0.00	31.57 0.67 0.00	30.77 0.63 0.00	33.41 0.60 0.00	33.86 0.71 0.00	33.87 0.77 0.00	35.89 0.94 0.00	36.27 0.80 0.00	44.03 1.05 0.00	58.79 1.56 0.00	87.23 2.65 0.00	73.05 2.42 0.00	55.53 1.82 0.00	46.57 1.45 0.00	44.99 1.32 0.00
ROSETON___2 23588	45.74 1.19 0.00	41.94 0.88 0.00	37.80 0.69 0.00	37.57 0.69 0.00	40.75 0.77 0.00	38.87 0.90 0.00	47.32 1.22 0.00	58.77 1.56 0.00	42.82 1.08 0.00	35.36 0.82 0.00	31.57 0.67 0.00	30.77 0.63 0.00	33.41 0.60 0.00	33.86 0.71 0.00	33.87 0.77 0.00	35.89 0.94 0.00	36.27 0.80 0.00	44.03 1.05 0.00	58.79 1.56 0.00	87.23 2.65 0.00	73.05 2.42 0.00	55.53 1.82 0.00	46.57 1.45 0.00	44.99 1.32 0.00
ROTRRDAM_115KV_TB3 80664	45.53 0.97 0.00	41.83 0.78 0.00	37.78 0.68 0.00	37.54 0.67 0.00	40.71 0.73 0.00	38.76 0.78 0.00	47.15 1.05 0.00	58.51 1.31 0.00	42.47 0.73 0.00	34.99 0.45 0.00	31.19 0.29 0.00	30.41 0.28 0.00	33.10 0.29 0.00	33.49 0.34 0.00	33.43 0.32 0.00	35.33 0.38 0.00	35.93 0.47 0.00	43.69 0.71 0.00	58.51 1.28 0.00	86.60 2.02 0.00	72.42 1.79 0.00	55.10 1.40 0.00	46.25 1.14 0.00	44.73 1.06 0.00
RUSSELL___1 23602	43.88 -0.68 0.00	40.73 -0.33 0.00	36.85 -0.26 0.00	36.54 -0.34 0.00	39.61 -0.37 0.00	37.16 -0.82 0.00	44.77 -1.33 0.00	55.47 -1.74 0.00	40.52 -1.22 0.00	33.66 -0.88 0.00	30.43 -0.46 0.00	29.55 -0.58 0.00	32.08 -0.73 0.00	32.20 -0.95 0.00	32.25 -0.85 0.00	34.22 -0.74 0.00	34.93 -0.53 0.00	42.10 -0.89 0.00	55.10 -2.12 0.00	81.35 -3.22 0.00	67.72 -2.91 0.00	51.20 -2.48 0.02	43.15 -1.97 0.00	41.94 -1.74 0.00
RUSSELL___2 23532	43.88 -0.68 0.00	40.73 -0.33 0.00	36.85 -0.26 0.00	36.54 -0.34 0.00	39.61 -0.37 0.00	37.16 -0.82 0.00	44.77 -1.33 0.00	55.47 -1.74 0.00	40.52 -1.22 0.00	33.66 -0.88 0.00	30.43 -0.46 0.00	29.55 -0.58 0.00	32.08 -0.73 0.00	32.20 -0.95 0.00	32.25 -0.85 0.00	34.22 -0.74 0.00	34.93 -0.53 0.00	42.10 -0.89 0.00	55.10 -2.12 0.00	81.35 -3.22 0.00	67.72 -2.91 0.00	51.20 -2.48 0.02	43.15 -1.97 0.00	41.94 -1.74 0.00
RUSSELL___3 23549	43.88 -0.68 0.00	40.73 -0.33 0.00	36.85 -0.26 0.00	36.54 -0.34 0.00	39.61 -0.37 0.00	37.16 -0.82 0.00	44.77 -1.33 0.00	55.47 -1.74 0.00	40.52 -1.22 0.00	33.66 -0.88 0.00	30.43 -0.46 0.00	29.55 -0.58 0.00	32.08 -0.73 0.00	32.20 -0.95 0.00	32.25 -0.85 0.00	34.22 -0.74 0.00	34.93 -0.53 0.00	42.10 -0.89 0.00	55.10 -2.12 0.00	81.35 -3.22 0.00	67.72 -2.91 0.00	51.20 -2.48 0.02	43.15 -1.97 0.00	41.94 -1.74 0.00
RUSSELL___4 23556	43.88 -0.68 0.00	40.73 -0.33 0.00	36.85 -0.26 0.00	36.54 -0.34 0.00	39.61 -0.37 0.00	37.16 -0.82 0.00	44.77 -1.33 0.00	55.47 -1.74 0.00	40.52 -1.22 0.00	33.66 -0.88 0.00	30.43 -0.46 0.00	29.55 -0.58 0.00	32.08 -0.73 0.00	32.20 -0.95 0.00	32.25 -0.85 0.00	34.22 -0.74 0.00	34.93 -0.53 0.00	42.10 -0.89 0.00	55.10 -2.12 0.00	81.35 -3.22 0.00	67.72 -2.91 0.00	51.20 -2.48 0.02	43.15 -1.97 0.00	41.94 -1.74 0.00
RUSSELL___STATION 23914	43.88 -0.68 0.00	40.73 -0.33 0.00	36.85 -0.26 0.00	36.54 -0.34 0.00	39.61 -0.37 0.00	37.16 -0.82 0.00	44.77 -1.33 0.00	55.47 -1.74 0.00	40.52 -1.22 0.00	33.66 -0.88 0.00	30.43 -0.46 0.00	29.55 -0.58 0.00	32.08 -0.73 0.00	32.20 -0.95 0.00	32.25 -0.85 0.00	34.22 -0.74 0.00	34.93 -0.53 0.00	42.10 -0.89 0.00	55.10 -2.12 0.00	81.35 -3.22 0.00	67.72 -2.91 0.00	51.20 -2.48 0.02	43.15 -1.97 0.00	41.94 -1.74 0.00
S SALMON___HYD 24043	43.76 -0.80 0.00	40.40 -0.66 0.00	36.66 -0.45 0.00	36.52 -0.35 0.00	39.71 -0.26 0.00	37.64 -0.34 0.00	45.68 -0.43 0.00	56.73 -0.47 0.00	41.21 -0.53 0.00	33.87 -0.66 0.00	30.24 -0.65 0.00	29.43 -0.70 0.00	32.01 -0.80 0.00	32.29 -0.86 0.00	32.28 -0.82 0.00	34.13 -0.83 0.00	34.66 -0.80 0.00	42.23 -0.75 0.00	56.71 -0.51 0.00	84.24 -0.34 0.00	70.28 -0.36 0.00	53.12 -0.58 0.00	44.40 -0.72 0.00	42.84 -0.83 0.00
S.PERRY___115KV_TB1 80734	44.35 -0.21 0.00	41.37 0.32 0.00	37.37 0.26 0.00	37.04 0.17 0.00	40.36 0.38 0.00	37.88 -0.10 0.00	45.76 -0.34 0.00	56.96 -0.25 0.00	41.51 -0.24 0.00	34.03 -0.51 0.00	30.56 -0.33 0.00	29.51 -0.62 0.00	32.04 -0.77 0.00	32.15 -1.00 0.00	32.18 -0.93 0.00	34.28 -0.68 0.00	35.12 -0.34 0.00	42.72 -0.26 0.00	56.22 -1.00 0.00	83.17 -1.40 0.00	69.07 -1.56 0.00	51.90 -1.76 0.04	47.34 -1.59 -3.81	42.40 -1.38 -0.10
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	42.88 -1.68 0.00	40.05 -1.01 0.00	36.27 -0.84 0.00	35.87 -1.00 0.00	38.90 -1.08 0.00	36.15 -1.83 0.00	43.28 -2.83 0.00	53.48 -3.73 0.00	39.28 -2.47 0.00	32.91 -1.63 0.00	30.01 -0.89 0.00	29.08 -1.05 0.00	31.61 -1.20 0.00	31.58 -1.57 0.00	31.62 -1.49 0.00	33.52 -1.44 0.00	34.16 -1.31 0.00	40.82 -2.17 0.00	52.61 -4.61 0.00	77.32 -7.26 0.00	64.34 -6.30 0.00	48.70 -4.96 0.04	40.42 -3.91 0.79	40.35 -3.31 0.02



SAWYER___23_KV_LOAD 55526	42.88 -1.68 0.00	40.05 -1.01 0.00	36.27 -0.84 0.00	35.87 -1.00 0.00	38.90 -1.08 0.00	36.15 -1.83 0.00	43.28 -2.83 0.00	53.48 -3.73 0.00	39.28 -2.47 0.00	32.91 -1.63 0.00	30.01 -0.89 0.00	29.08 -1.05 0.00	31.61 -1.20 0.00	31.58 -1.57 0.00	31.62 -1.49 0.00	33.52 -1.44 0.00	34.16 -1.31 0.00	40.82 -2.17 0.00	52.61 -4.61 0.00	77.32 -7.26 0.00	64.34 -6.30 0.00	48.70 -4.96 0.04	40.42 -3.91 0.79	40.35 -3.31 0.02
SELKIRK___I 23801	45.33 0.77 0.00	41.66 0.60 0.00	37.64 0.52 0.00	37.39 0.52 0.00	40.49 0.52 0.00	38.55 0.57 0.00	46.91 0.81 0.00	58.19 0.98 0.00	42.16 0.42 0.00	34.69 0.15 0.00	30.94 0.04 0.00	30.19 0.06 0.00	32.88 0.07 0.00	33.29 0.13 0.00	33.23 0.12 0.00	35.05 0.10 0.00	35.69 0.22 0.00	43.41 0.42 0.00	58.12 0.90 0.00	85.99 1.42 0.00	71.93 1.30 0.00	54.80 1.10 0.00	46.08 0.96 0.00	44.58 0.90 0.00
SELKIRK___II 23799	45.10 0.55 0.00	41.43 0.37 0.00	37.44 0.32 0.00	37.19 0.32 0.00	40.29 0.31 0.00	38.38 0.40 0.00	46.69 0.59 0.00	57.95 0.74 0.00	42.11 0.37 0.00	34.78 0.25 0.00	31.04 0.14 0.00	30.28 0.15 0.00	32.96 0.15 0.00	33.38 0.22 0.00	33.32 0.21 0.00	35.16 0.20 0.00	35.71 0.24 0.00	43.30 0.32 0.00	57.89 0.66 0.00	85.63 1.05 0.00	71.64 1.01 0.00	54.58 0.88 0.00	45.88 0.77 0.00	44.39 0.71 0.00
SENECA OSWGO___HYD 24041	43.75 -0.81 0.00	40.35 -0.71 0.00	36.48 -0.63 0.00	36.25 -0.62 0.00	39.32 -0.66 0.00	37.29 -0.69 0.00	45.19 -0.91 0.00	56.09 -1.12 0.00	40.87 -0.87 0.00	33.82 -0.72 0.00	30.29 -0.60 0.00	29.49 -0.64 0.00	32.09 -0.72 0.00	32.38 -0.77 0.00	32.35 -0.75 0.00	34.21 -0.75 0.00	34.73 -0.73 0.00	42.06 -0.92 0.00	55.90 -1.32 0.00	82.72 -1.85 0.00	68.98 -1.65 0.00	52.23 -1.47 0.00	43.82 -1.30 0.00	42.41 -1.27 0.00
SENECA___115KV_TB3 355854	43.51 -1.05 0.00	40.64 -0.42 0.00	36.78 -0.33 0.00	36.39 -0.48 0.00	39.47 -0.51 0.00	36.69 -1.29 0.00	43.95 -2.15 0.00	54.38 -2.83 0.00	39.92 -1.83 0.00	33.42 -1.12 0.00	30.44 -0.46 0.00	29.49 -0.64 0.00	32.08 -0.73 0.00	32.05 -1.10 0.00	32.07 -1.03 0.00	34.02 -0.93 0.00	34.67 -0.80 0.00	41.50 -1.48 0.00	53.54 -3.68 0.00	78.68 -5.90 0.00	65.43 -5.21 0.00	49.46 -4.20 0.04	41.11 -3.34 0.67	40.92 -2.74 0.02
SENECA___ENERGY 23797	44.07 -0.49 0.00	40.77 -0.29 0.00	36.85 -0.26 0.00	36.60 -0.27 0.00	39.68 -0.29 0.00	37.54 -0.43 0.00	45.46 -0.64 0.00	56.45 -0.76 0.00	41.19 -0.55 0.00	34.04 -0.50 0.00	30.46 -0.43 0.00	29.61 -0.52 0.00	32.21 -0.60 0.00	32.45 -0.71 0.00	32.43 -0.68 0.00	34.33 -0.62 0.00	34.98 -0.48 0.00	42.50 -0.48 0.00	56.18 -1.04 0.00	82.92 -1.66 0.00	68.96 -1.68 0.00	52.16 -1.54 0.01	44.05 -1.32 -0.26	42.47 -1.22 -0.01
SHOEMAKER___GT 23640	45.57 1.01 0.00	41.84 0.78 0.00	37.72 0.61 0.00	37.49 0.61 0.00	40.68 0.70 0.00	38.78 0.80 0.00	47.15 1.05 0.00	58.52 1.32 0.00	42.65 0.90 0.00	35.16 0.63 0.00	31.33 0.44 0.00	30.54 0.40 0.00	33.17 0.36 0.00	33.60 0.45 0.00	33.60 0.50 0.00	35.59 0.64 0.00	35.99 0.53 0.00	43.79 0.80 0.00	58.47 1.25 0.00	86.81 2.23 0.00	72.70 2.06 0.00	55.23 1.53 0.00	46.30 1.19 0.00	44.76 1.08 0.00
SHOEMAKR_138KV_BK 111 55601	45.53 0.97 0.00	41.81 0.76 0.00	37.70 0.59 0.00	37.47 0.60 0.00	40.65 0.67 0.00	38.76 0.78 0.00	47.12 1.02 0.00	58.51 1.30 0.00	42.63 0.89 0.00	35.16 0.62 0.00	31.35 0.45 0.00	30.56 0.42 0.00	33.19 0.38 0.00	33.63 0.47 0.00	33.63 0.53 0.00	35.63 0.67 0.00	36.01 0.55 0.00	43.80 0.82 0.00	58.47 1.24 0.00	86.80 2.22 0.00	72.67 2.03 0.00	55.19 1.49 0.00	46.28 1.16 0.00	44.73 1.06 0.00
SHOREHAM_IC_1 23715	45.67 1.11 0.00	41.14 0.09 0.00	37.03 -0.09 0.00	36.77 -0.10 0.00	40.04 0.06 0.00	38.37 0.39 0.00	47.28 1.18 0.00	57.77 0.56 0.00	42.05 0.31 0.00	26.58 0.18 8.13	21.77 -0.01 9.11	21.70 -0.19 8.24	32.62 -0.19 0.00	33.08 -0.08 0.00	33.47 0.36 0.00	36.36 1.41 0.00	36.16 0.70 0.00	43.92 0.93 -0.01	58.93 1.71 0.00	87.68 3.10 0.00	73.39 2.75 0.00	56.33 2.42 -0.21	47.94 2.08 -0.74	45.52 1.85 0.00
SHOREHAM_IC_2 23716	45.67 1.11 0.00	41.14 0.09 0.00	37.03 -0.09 0.00	36.77 -0.10 0.00	40.04 0.06 0.00	38.37 0.39 0.00	47.28 1.18 0.00	57.77 0.56 0.00	42.05 0.31 0.00	26.58 0.18 8.13	21.77 -0.01 9.11	21.70 -0.19 8.24	32.62 -0.19 0.00	33.08 -0.08 0.00	33.47 0.36 0.00	36.36 1.41 0.00	36.16 0.70 0.00	43.92 0.93 -0.01	58.93 1.71 0.00	87.68 3.10 0.00	73.39 2.75 0.00	56.33 2.42 -0.21	47.94 2.08 -0.74	45.52 1.85 0.00
SISSONVILLE____ 23735	53.84 -0.42 -9.70	50.06 -0.22 -9.22	45.65 -0.08 -8.62	41.07 -0.06 -4.25	42.28 0.01 -2.30	37.92 -0.06 0.00	46.01 -0.09 0.00	57.16 -0.05 0.00	41.81 0.06 0.00	34.41 -0.12 0.00	30.73 -0.16 0.00	29.97 -0.16 0.00	32.68 -0.13 0.00	32.97 -0.19 0.00	32.83 -0.28 0.00	34.51 -0.45 0.00	35.13 -0.33 0.00	42.83 -0.16 0.00	57.40 0.18 0.00	85.01 0.43 0.00	71.06 0.43 0.00	54.32 0.62 0.00	45.59 0.47 0.00	44.10 0.42 0.00
SITHE_IND_GS1 24169	43.35 -1.20 0.00	40.00 -1.06 0.00	36.18 -0.93 0.00	35.95 -0.92 0.00	38.95 -1.03 0.00	36.95 -1.03 0.00	44.78 -1.33 0.00	55.57 -1.64 0.00	40.55 -1.19 0.00	33.63 -0.90 0.00	30.18 -0.71 0.00	29.42 -0.72 0.00	32.01 -0.80 0.00	32.31 -0.84 0.00	32.28 -0.82 0.00	34.08 -0.87 0.00	34.52 -0.94 0.00	41.66 -1.33 0.00	55.33 -1.90 0.00	81.79 -2.78 0.00	68.16 -2.48 0.00	51.65 -2.05 0.00	43.39 -1.73 0.00	42.04 -1.63 0.00
SITHE_IND_GS2 24170	43.35 -1.20 0.00	40.00 -1.06 0.00	36.18 -0.93 0.00	35.95 -0.92 0.00	38.95 -1.03 0.00	36.95 -1.03 0.00	44.78 -1.33 0.00	55.57 -1.64 0.00	40.55 -1.19 0.00	33.63 -0.90 0.00	30.18 -0.71 0.00	29.42 -0.72 0.00	32.01 -0.80 0.00	32.31 -0.84 0.00	32.28 -0.82 0.00	34.08 -0.87 0.00	34.52 -0.94 0.00	41.66 -1.33 0.00	55.33 -1.90 0.00	81.79 -2.78 0.00	68.16 -2.48 0.00	51.65 -2.05 0.00	43.39 -1.73 0.00	42.04 -1.63 0.00
SITHE_IND_GS3 24171	43.35 -1.20 0.00	40.00 -1.06 0.00	36.18 -0.93 0.00	35.95 -0.92 0.00	38.95 -1.03 0.00	36.95 -1.03 0.00	44.78 -1.33 0.00	55.57 -1.64 0.00	40.55 -1.19 0.00	33.63 -0.90 0.00	30.18 -0.71 0.00	29.42 -0.72 0.00	32.01 -0.80 0.00	32.31 -0.84 0.00	32.28 -0.82 0.00	34.08 -0.87 0.00	34.52 -0.94 0.00	41.66 -1.33 0.00	55.33 -1.90 0.00	81.79 -2.78 0.00	68.16 -2.48 0.00	51.65 -2.05 0.00	43.39 -1.73 0.00	42.04 -1.63 0.00
SITHE_IND_GS4 24172	43.35 -1.20 0.00	40.00 -1.06 0.00	36.18 -0.93 0.00	35.95 -0.92 0.00	38.95 -1.03 0.00	36.95 -1.03 0.00	44.78 -1.33 0.00	55.57 -1.64 0.00	40.55 -1.19 0.00	33.63 -0.90 0.00	30.18 -0.71 0.00	29.42 -0.72 0.00	32.01 -0.80 0.00	32.31 -0.84 0.00	32.28 -0.82 0.00	34.08 -0.87 0.00	34.52 -0.94 0.00	41.66 -1.33 0.00	55.33 -1.90 0.00	81.79 -2.78 0.00	68.16 -2.48 0.00	51.65 -2.05 0.00	43.39 -1.73 0.00	42.04 -1.63 0.00



SITHE___BATAVIA 24024	43.92 -0.64 0.00	40.94 -0.12 0.00	37.06 -0.05 0.00	36.67 -0.20 0.00	39.78 -0.20 0.00	37.11 -0.87 0.00	44.56 -1.54 0.00	55.14 -2.06 0.00	40.36 -1.39 0.00	33.53 -1.00 0.00	30.37 -0.53 0.00	29.29 -0.84 0.00	31.94 -0.87 0.00	31.84 -1.31 0.00	31.83 -1.28 0.00	33.75 -1.20 0.00	34.67 -0.79 0.00	41.80 -1.19 0.00	54.43 -2.80 0.00	80.30 -4.27 0.00	66.89 -3.74 0.00	50.57 -3.10 0.03	42.04 -2.45 0.62	41.63 -2.03 0.02
SITHE___INDEPEND 23800	43.35 -1.21 0.00	40.00 -1.06 0.00	36.18 -0.93 0.00	35.95 -0.93 0.00	38.95 -1.03 0.00	36.95 -1.03 0.00	44.78 -1.33 0.00	55.57 -1.63 0.00	40.55 -1.20 0.00	33.63 -0.90 0.00	30.18 -0.71 0.00	29.42 -0.72 0.00	32.01 -0.80 0.00	32.31 -0.84 0.00	32.28 -0.82 0.00	34.08 -0.87 0.00	34.52 -0.94 0.00	41.66 -1.33 0.00	55.32 -1.90 0.00	81.79 -2.78 0.00	68.16 -2.48 0.00	51.65 -2.05 0.00	43.39 -1.73 0.00	42.04 -1.63 0.00
SITHE___MASSENA 23902	47.14 0.34 -2.24	43.65 0.47 -2.13	39.58 0.48 -1.99	38.31 0.46 -0.98	41.03 0.52 -0.53	38.40 0.42 0.00	46.54 0.43 0.00	57.71 0.51 0.00	42.33 0.59 0.00	35.02 0.48 0.00	31.34 0.44 0.00	30.59 0.45 0.00	33.34 0.54 0.00	33.66 0.51 0.00	33.56 0.45 0.00	35.36 0.40 0.00	35.95 0.49 0.00	43.66 0.68 0.00	58.13 0.91 0.00	85.75 1.17 0.00	71.65 1.02 0.00	54.64 0.94 0.00	45.95 0.83 0.00	44.53 0.86 0.00
SITHE___OGDNSBRG 24021	52.36 0.99 -6.81	48.62 1.09 -6.47	44.22 1.07 -6.05	40.90 1.05 -2.98	42.79 1.20 -1.61	39.02 1.04 0.00	47.30 1.20 0.00	58.64 1.43 0.00	42.73 0.99 0.00	35.03 0.49 0.00	31.28 0.38 0.00	30.51 0.37 0.00	33.26 0.45 0.00	33.56 0.40 0.00	33.43 0.33 0.00	35.18 0.23 0.00	35.81 0.34 0.00	43.62 0.63 0.00	58.57 1.35 0.00	87.21 2.63 0.00	72.96 2.32 0.00	55.67 1.97 0.00	46.72 1.61 0.00	45.26 1.59 0.00
SITHE___STERLING 23777	45.31 0.75 0.00	41.74 0.69 0.00	37.73 0.62 0.00	37.53 0.65 0.00	40.72 0.74 0.00	38.74 0.76 0.00	47.06 0.96 0.00	58.47 1.26 0.00	42.46 0.72 0.00	34.89 0.36 0.00	31.14 0.24 0.00	30.33 0.20 0.00	33.00 0.19 0.00	33.32 0.16 0.00	33.27 0.16 0.00	35.18 0.23 0.00	35.79 0.33 0.00	43.70 0.71 0.00	58.52 1.30 0.00	86.79 2.21 0.00	72.39 1.76 0.00	54.83 1.13 0.00	45.88 0.77 0.00	44.33 0.65 0.00
SLEIGHT__34_KV_TB1 80719	43.75 -0.81 0.00	40.54 -0.51 0.00	36.68 -0.43 0.00	36.39 -0.48 0.00	39.45 -0.53 0.00	37.21 -0.77 0.00	44.97 -1.13 0.00	55.76 -1.45 0.00	40.67 -1.07 0.00	33.60 -0.94 0.00	30.22 -0.68 0.00	29.35 -0.78 0.00	31.90 -0.91 0.00	32.09 -1.06 0.00	32.13 -0.98 0.00	34.01 -0.94 0.00	34.73 -0.73 0.00	42.08 -0.91 0.00	55.45 -1.78 0.00	81.85 -2.73 0.00	68.15 -2.48 0.00	51.53 -2.16 0.01	43.35 -1.77 0.00	42.05 -1.63 0.00
SOUTH CAIRO___GT 23612	46.79 2.23 0.00	42.98 1.92 0.00	38.83 1.72 0.00	38.58 1.71 0.00	41.84 1.86 0.00	39.87 1.89 0.00	48.60 2.50 0.00	60.42 3.21 0.00	43.68 1.93 0.00	35.61 1.07 0.00	31.57 0.67 0.00	30.73 0.60 0.00	33.43 0.61 0.00	33.79 0.64 0.00	33.70 0.59 0.00	35.56 0.60 0.00	36.39 0.93 0.00	44.55 1.57 0.00	60.23 3.01 0.00	89.61 5.03 0.00	74.94 4.31 0.00	56.97 3.27 0.00	47.76 2.65 0.00	46.05 2.37 0.00
SOUTH HAMPTN___IC 23720	45.60 1.04 0.00	41.12 0.06 0.00	37.00 -0.11 0.00	36.77 -0.10 0.00	40.05 0.07 0.00	38.41 0.43 0.00	47.31 1.21 0.00	57.86 0.66 0.00	42.10 0.36 0.00	12.83 0.23 21.93	6.40 0.05 24.55	7.84 -0.10 22.19	32.75 -0.06 0.00	33.25 0.10 0.00	33.58 0.47 0.00	36.38 1.43 0.00	36.25 0.79 0.00	44.18 1.19 -0.01	59.31 2.09 0.00	88.42 3.85 0.00	74.12 3.49 0.00	56.89 2.98 -0.21	48.44 2.60 -0.73	46.09 2.41 0.00
SOUTHDOW_115KV_TB1 355954	45.48 0.92 0.00	42.28 1.23 0.00	38.07 0.96 0.00	37.76 0.89 0.00	41.05 1.07 0.00	38.34 0.36 0.00	46.12 0.02 0.00	57.40 0.20 0.00	42.17 0.42 0.00	35.14 0.60 0.00	31.81 0.92 0.00	30.93 0.79 0.00	33.64 0.83 0.00	33.74 0.59 0.00	33.71 0.61 0.00	35.77 0.81 0.00	36.16 0.69 0.00	43.44 0.46 0.00	56.05 -1.18 0.00	82.04 -2.54 0.00	68.12 -2.51 0.00	51.27 -2.39 0.05	42.48 -2.63 0.00	41.39 -2.29 0.00
SOUTHOLD_69_KV_BK 2 55809	45.06 0.50 0.00	40.60 -0.45 0.00	36.56 -0.55 0.00	36.35 -0.52 0.00	39.61 -0.37 0.00	38.04 0.06 0.00	46.87 0.77 0.00	57.36 0.15 0.00	41.72 -0.03 0.00	11.82 -0.04 22.68	5.34 -0.18 25.38	6.92 -0.26 22.95	32.67 -0.14 0.00	33.27 0.12 0.00	33.53 0.42 0.00	36.22 1.27 0.00	36.11 0.65 0.00	44.23 1.23 -0.01	59.44 2.21 0.00	89.03 4.45 0.00	74.81 4.17 0.00	57.42 3.51 -0.21	48.99 3.14 -0.73	46.75 3.07 0.00
SOUTHOLD___IC 23719	45.06 0.50 0.00	40.60 -0.45 0.00	36.56 -0.55 0.00	36.35 -0.52 0.00	39.61 -0.37 0.00	38.04 0.06 0.00	46.87 0.77 0.00	57.36 0.15 0.00	41.72 -0.03 0.00	11.82 -0.04 22.68	5.34 -0.18 25.38	6.92 -0.27 22.95	32.67 -0.14 0.00	33.27 0.12 0.00	33.53 0.42 0.00	36.22 1.27 0.00	36.11 0.65 0.00	44.23 1.23 -0.01	59.43 2.21 0.00	89.02 4.45 0.00	74.81 4.17 0.00	57.42 3.51 -0.21	48.99 3.14 -0.73	46.74 3.07 0.00
SOUTH_FORK_WT_PWR 323839	44.27 -0.29 0.00	39.87 -1.19 0.00	35.89 -1.22 0.00	35.69 -1.18 0.00	38.89 -1.09 0.00	37.37 -0.60 0.00	46.08 -0.02 0.00	56.38 -0.82 0.00	40.99 -0.75 0.00	11.69 -0.57 22.28	5.33 -0.63 24.93	6.95 -0.64 22.54	32.36 -0.45 0.00	33.04 -0.11 0.00	33.26 0.16 0.00	35.84 0.88 0.00	35.70 0.24 0.00	43.83 0.84 -0.01	58.89 1.67 0.00	88.47 3.89 0.00	74.51 3.88 0.00	57.25 3.33 -0.21	48.92 3.07 -0.73	46.81 3.13 0.00
SPIERFLS_115KV_TB 1 80737	47.28 2.72 0.00	43.05 1.99 0.00	38.83 1.72 0.00	38.58 1.71 0.00	41.85 1.87 0.00	39.94 1.96 0.00	48.83 2.73 0.00	60.76 3.55 0.00	43.82 2.08 0.00	35.87 1.33 0.00	31.77 0.88 0.00	30.96 0.83 0.00	33.68 0.87 0.00	34.07 0.91 0.00	33.96 0.85 0.00	36.09 1.14 0.00	37.01 1.55 0.00	44.80 1.81 0.00	60.75 3.53 0.00	89.98 5.40 0.00	75.36 4.72 0.00	57.21 3.51 0.00	47.90 2.78 0.00	46.25 2.57 0.00
ST LAWRENCE____ 23600	44.50 -0.06 0.00	41.13 0.08 0.00	37.22 0.11 0.00	36.97 0.10 0.00	40.10 0.12 0.00	38.03 0.05 0.00	46.10 0.00 0.00	57.16 -0.04 0.00	41.96 0.21 0.00	34.75 0.22 0.00	31.12 0.22 0.00	30.37 0.24 0.00	33.11 0.30 0.00	33.43 0.27 0.00	33.33 0.22 0.00	35.14 0.19 0.00	35.72 0.25 0.00	43.34 0.36 0.00	57.66 0.43 0.00	84.95 0.37 0.00	70.95 0.31 0.00	54.11 0.42 0.00	45.50 0.38 0.00	44.11 0.44 0.00
STATE_CA_115KV_115_LB 55624	45.19 0.64 0.00	41.49 0.44 0.00	37.50 0.39 0.00	37.26 0.39 0.00	40.35 0.37 0.00	38.44 0.47 0.00	46.79 0.69 0.00	58.10 0.89 0.00	42.18 0.43 0.00	34.84 0.31 0.00	31.08 0.18 0.00	30.32 0.19 0.00	32.99 0.18 0.00	33.40 0.25 0.00	33.33 0.22 0.00	35.20 0.24 0.00	35.81 0.35 0.00	43.43 0.44 0.00	58.12 0.90 0.00	85.94 1.36 0.00	71.91 1.28 0.00	54.78 1.08 0.00	46.06 0.94 0.00	44.53 0.86 0.00



STATE_ST_34_KV_LOAD 55959	44.69 0.13 0.00	41.30 0.24 0.00	37.34 0.23 0.00	37.11 0.24 0.00	40.10 0.12 0.00	38.05 0.07 0.00	46.20 0.10 0.00	57.37 0.16 0.00	41.80 0.06 0.00	34.43 -0.11 0.00	30.79 -0.11 0.00	29.97 -0.16 0.00	32.60 -0.21 0.00	32.89 -0.26 0.00	32.89 -0.22 0.00	34.70 -0.26 0.00	35.37 -0.09 0.00	42.95 -0.04 0.00	57.10 -0.13 0.00	84.45 -0.13 0.00	70.15 -0.48 0.00	53.09 -0.63 -0.01	44.64 -0.47 0.00	43.23 -0.45 0.00
STATION_5_MISC_HYD 23604	43.67 -0.89 0.00	40.52 -0.53 0.00	36.69 -0.42 0.00	36.37 -0.51 0.00	39.42 -0.56 0.00	36.99 -0.99 0.00	44.56 -1.54 0.00	55.17 -2.04 0.00	40.32 -1.42 0.00	33.51 -1.03 0.00	30.30 -0.60 0.00	29.42 -0.72 0.00	31.95 -0.86 0.00	32.08 -1.08 0.00	32.11 -0.99 0.00	34.05 -0.91 0.00	34.74 -0.72 0.00	41.85 -1.14 0.00	54.76 -2.46 0.00	80.80 -3.78 0.00	67.28 -3.36 0.00	50.88 -2.80 0.02	42.90 -2.21 0.00	41.72 -1.96 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	44.32 -0.24 0.00	41.04 -0.01 0.00	37.11 0.00 0.00	36.83 -0.04 0.00	39.95 -0.02 0.00	37.71 -0.27 0.00	45.59 -0.51 0.00	56.58 -0.63 0.00	41.27 -0.48 0.00	34.11 -0.43 0.00	30.63 -0.26 0.00	29.73 -0.40 0.00	32.28 -0.53 0.00	32.50 -0.66 0.00	32.53 -0.58 0.00	34.50 -0.45 0.00	35.22 -0.24 0.00	42.67 -0.31 0.00	56.25 -0.97 0.00	83.08 -1.49 0.00	69.12 -1.52 0.00	52.22 -1.46 0.02	43.91 -1.21 0.00	42.58 -1.09 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	43.48 -1.08 0.00	40.33 -0.73 0.00	36.51 -0.60 0.00	36.20 -0.67 0.00	39.25 -0.73 0.00	36.85 -1.13 0.00	44.42 -1.69 0.00	55.02 -2.19 0.00	40.20 -1.54 0.00	33.39 -1.15 0.00	30.17 -0.73 0.00	29.30 -0.84 0.00	31.81 -0.99 0.00	31.95 -1.21 0.00	31.99 -1.11 0.00	33.93 -1.03 0.00	34.60 -0.86 0.00	41.71 -1.28 0.00	54.63 -2.59 0.00	80.61 -3.96 0.00	67.12 -3.51 0.00	50.76 -2.92 0.02	42.78 -2.34 0.00	41.58 -2.10 0.00
STA_56___34_KV_BUS2 355983	43.48 -1.08 0.00	40.33 -0.73 0.00	36.51 -0.60 0.00	36.20 -0.67 0.00	39.25 -0.73 0.00	36.85 -1.13 0.00	44.42 -1.69 0.00	55.02 -2.19 0.00	40.20 -1.54 0.00	33.39 -1.15 0.00	30.17 -0.73 0.00	29.30 -0.84 0.00	31.81 -0.99 0.00	31.95 -1.21 0.00	31.99 -1.11 0.00	33.93 -1.03 0.00	34.60 -0.86 0.00	41.71 -1.28 0.00	54.63 -2.59 0.00	80.61 -3.96 0.00	67.12 -3.51 0.00	50.76 -2.92 0.02	42.78 -2.34 0.00	41.58 -2.10 0.00
STA_67___115KV_BK2 355882	43.56 -1.00 0.00	40.44 -0.62 0.00	36.61 -0.50 0.00	36.29 -0.58 0.00	39.34 -0.64 0.00	36.91 -1.07 0.00	44.46 -1.65 0.00	55.05 -2.16 0.00	40.23 -1.51 0.00	33.44 -1.10 0.00	30.24 -0.66 0.00	29.36 -0.77 0.00	31.89 -0.92 0.00	32.01 -1.14 0.00	32.06 -1.05 0.00	33.98 -0.97 0.00	34.66 -0.80 0.00	41.74 -1.25 0.00	54.62 -2.61 0.00	80.59 -3.99 0.00	67.11 -3.52 0.00	50.75 -2.92 0.02	42.79 -2.33 0.00	41.62 -2.05 0.00
STA_7___115KV_9TRANS 80674	43.88 -0.68 0.00	40.73 -0.33 0.00	36.85 -0.26 0.00	36.54 -0.34 0.00	39.61 -0.37 0.00	37.16 -0.82 0.00	44.77 -1.33 0.00	55.47 -1.74 0.00	40.52 -1.22 0.00	33.66 -0.88 0.00	30.43 -0.46 0.00	29.55 -0.58 0.00	32.08 -0.73 0.00	32.20 -0.95 0.00	32.25 -0.85 0.00	34.22 -0.74 0.00	34.93 -0.53 0.00	42.10 -0.89 0.00	55.10 -2.12 0.00	81.35 -3.22 0.00	67.72 -2.91 0.00	51.20 -2.48 0.02	43.15 -1.97 0.00	41.94 -1.74 0.00
STA_82___115KV_TB1 80780	43.57 -0.99 0.00	40.45 -0.61 0.00	36.62 -0.49 0.00	36.29 -0.58 0.00	39.35 -0.63 0.00	36.92 -1.06 0.00	44.47 -1.63 0.00	55.07 -2.14 0.00	40.24 -1.50 0.00	33.44 -1.10 0.00	30.24 -0.66 0.00	29.36 -0.78 0.00	31.89 -0.92 0.00	32.01 -1.15 0.00	32.04 -1.06 0.00	33.98 -0.98 0.00	34.66 -0.81 0.00	41.74 -1.25 0.00	54.62 -2.60 0.00	80.60 -3.98 0.00	67.11 -3.52 0.00	50.76 -2.92 0.02	42.79 -2.32 0.00	41.63 -2.05 0.00
STEEL___WIND 323596	43.46 -1.10 0.00	40.60 -0.45 0.00	36.75 -0.36 0.00	36.36 -0.51 0.00	39.43 -0.54 0.00	36.65 -1.33 0.00	43.92 -2.18 0.00	54.32 -2.89 0.00	39.87 -1.87 0.00	33.37 -1.16 0.00	30.40 -0.49 0.00	29.45 -0.68 0.00	32.03 -0.78 0.00	32.01 -1.14 0.00	32.04 -1.07 0.00	33.98 -0.98 0.00	34.62 -0.84 0.00	41.46 -1.53 0.00	53.49 -3.74 0.00	78.58 -5.99 0.00	65.34 -5.29 0.00	49.40 -4.26 0.04	41.08 -3.36 0.67	40.87 -2.78 0.02
STEPHTWN_115KV_BK_2 55603	45.53 0.97 0.00	41.74 0.68 0.00	37.69 0.59 0.00	37.46 0.59 0.00	40.57 0.59 0.00	38.68 0.70 0.00	47.17 1.07 0.00	58.58 1.38 0.00	42.45 0.70 0.00	35.03 0.50 0.00	31.21 0.31 0.00	30.49 0.35 0.00	33.15 0.34 0.00	33.54 0.38 0.00	33.44 0.34 0.00	35.39 0.43 0.00	36.03 0.57 0.00	43.92 0.94 0.00	58.56 1.33 0.00	86.68 2.10 0.00	72.57 1.93 0.00	55.09 1.39 0.00	46.41 1.29 0.00	44.79 1.12 0.00
STEUBEN_REC_LFGE 323667	42.58 -1.98 0.00	40.17 -0.89 0.00	36.23 -0.88 0.00	35.87 -1.00 0.00	39.31 -0.67 0.00	36.72 -1.26 0.00	44.74 -1.36 0.00	56.00 -1.20 0.00	41.18 -0.57 0.00	34.10 -0.43 0.00	30.59 -0.30 0.00	29.46 -0.67 0.00	32.02 -0.79 0.00	32.16 -1.00 0.00	32.19 -0.92 0.00	34.29 -0.66 0.00	35.05 -0.41 0.00	42.57 -0.41 0.00	55.62 -1.61 0.00	81.56 -3.02 0.00	67.10 -3.53 0.00	50.07 -3.51 0.12	44.58 -3.07 -2.54	40.96 -2.79 -0.07
STILLWATER___SOLAR 323814	46.14 1.58 0.00	42.33 1.27 0.00	38.22 1.11 0.00	37.98 1.10 0.00	41.17 1.19 0.00	39.21 1.23 0.00	47.82 1.71 0.00	59.38 2.17 0.00	42.93 1.19 0.00	35.26 0.72 0.00	31.33 0.43 0.00	30.56 0.42 0.00	33.24 0.43 0.00	33.64 0.48 0.00	33.55 0.44 0.00	35.53 0.57 0.00	36.28 0.82 0.00	44.29 1.30 0.00	59.53 2.31 0.00	88.14 3.57 0.00	73.75 3.12 0.00	56.08 2.38 0.00	47.05 1.94 0.00	45.49 1.81 0.00
STONY___BROOK 24151	46.44 1.88 0.00	42.01 0.95 0.00	37.80 0.69 0.00	37.55 0.68 0.00	40.88 0.90 0.00	39.14 1.16 0.00	48.03 1.93 0.00	58.96 1.75 0.00	42.92 1.18 0.00	39.64 0.89 -4.22	36.23 0.64 -4.70	34.81 0.43 -4.24	33.20 0.39 0.00	33.65 0.49 0.00	33.91 0.81 0.00	36.66 1.71 0.00	36.69 1.23 0.00	44.76 1.77 -0.01	59.97 2.75 0.00	89.03 4.46 0.00	74.44 3.80 0.00	57.14 3.22 -0.22	48.62 2.74 -0.77	46.10 2.42 0.00
STURGEON_POOL_HYD 23609	46.07 1.51 0.00	42.24 1.19 0.00	38.07 0.96 0.00	37.84 0.97 0.00	41.05 1.07 0.00	39.17 1.19 0.00	47.69 1.59 0.00	59.24 2.04 0.00	43.20 1.45 0.00	35.66 1.12 0.00	31.80 0.90 0.00	30.98 0.85 0.00	33.65 0.84 0.00	34.09 0.93 0.00	34.10 1.00 0.00	36.12 1.17 0.00	36.51 1.04 0.00	44.37 1.39 0.00	59.22 2.00 0.00	87.90 3.33 0.00	73.64 3.01 0.00	55.96 2.26 0.00	46.89 1.78 0.00	45.29 1.61 0.00
ST_LAW_115_BK7_LBMP 345037	44.53 -0.03 0.00	41.17 0.11 0.00	37.26 0.15 0.00	37.00 0.13 0.00	40.14 0.16 0.00	38.06 0.08 0.00	46.12 0.02 0.00	57.20 -0.01 0.00	41.98 0.23 0.00	34.77 0.23 0.00	31.12 0.23 0.00	30.38 0.25 0.00	33.12 0.31 0.00	33.44 0.28 0.00	33.34 0.23 0.00	35.14 0.19 0.00	35.72 0.25 0.00	43.35 0.36 0.00	57.67 0.45 0.00	84.98 0.40 0.00	70.96 0.33 0.00	54.13 0.43 0.00	45.52 0.40 0.00	44.14 0.46 0.00



ST_LAW_115_BK8_LBMP 345038	44.53 -0.03 0.00	41.17 0.11 0.00	37.26 0.15 0.00	37.00 0.13 0.00	40.14 0.16 0.00	38.06 0.08 0.00	46.12 0.02 0.00	57.20 -0.01 0.00	41.98 0.23 0.00	34.77 0.23 0.00	31.12 0.23 0.00	30.38 0.25 0.00	33.12 0.31 0.00	33.44 0.28 0.00	33.34 0.23 0.00	35.14 0.19 0.00	35.72 0.25 0.00	43.35 0.36 0.00	57.67 0.45 0.00	84.98 0.40 0.00	70.96 0.33 0.00	54.13 0.43 0.00	45.52 0.40 0.00	44.14 0.46 0.00
ST_LAW_230_BK5_LBMP 345035	44.50 -0.06 0.00	41.13 0.08 0.00	37.22 0.11 0.00	36.97 0.10 0.00	40.10 0.12 0.00	38.03 0.05 0.00	46.10 0.00 0.00	57.16 -0.04 0.00	41.96 0.21 0.00	34.75 0.22 0.00	31.12 0.22 0.00	30.37 0.24 0.00	33.11 0.30 0.00	33.43 0.27 0.00	33.33 0.22 0.00	35.14 0.19 0.00	35.72 0.25 0.00	43.34 0.36 0.00	57.66 0.43 0.00	84.95 0.37 0.00	70.95 0.31 0.00	54.11 0.42 0.00	45.50 0.38 0.00	44.11 0.44 0.00
ST_LAW_230_BK6_LBMP 345036	44.50 -0.06 0.00	41.13 0.08 0.00	37.22 0.11 0.00	36.97 0.10 0.00	40.10 0.12 0.00	38.03 0.05 0.00	46.10 0.00 0.00	57.16 -0.04 0.00	41.96 0.21 0.00	34.75 0.22 0.00	31.12 0.22 0.00	30.37 0.24 0.00	33.11 0.30 0.00	33.43 0.27 0.00	33.33 0.22 0.00	35.14 0.19 0.00	35.72 0.25 0.00	43.34 0.36 0.00	57.66 0.43 0.00	84.95 0.37 0.00	70.95 0.31 0.00	54.11 0.42 0.00	45.50 0.38 0.00	44.11 0.44 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	45.62 1.07 0.00	41.88 0.82 0.00	37.74 0.63 0.00	37.52 0.65 0.00	40.72 0.74 0.00	38.83 0.85 0.00	47.25 1.15 0.00	58.68 1.47 0.00	42.76 1.01 0.00	35.29 0.76 0.00	31.47 0.58 0.00	30.69 0.56 0.00	33.32 0.51 0.00	33.77 0.61 0.00	33.79 0.68 0.00	35.82 0.86 0.00	36.17 0.71 0.00	43.98 1.00 0.00	58.69 1.47 0.00	87.13 2.55 0.00	72.97 2.34 0.00	55.38 1.68 0.00	46.41 1.29 0.00	44.85 1.18 0.00
SWANROAD_115KV_TB1 355699	41.84 -2.71 0.00	39.17 -1.88 0.00	35.50 -1.61 0.00	35.08 -1.80 0.00	38.04 -1.94 0.00	35.29 -2.69 0.00	42.19 -3.91 0.00	52.10 -5.10 0.00	38.32 -3.43 0.00	32.14 -2.40 0.00	29.35 -1.54 0.00	28.40 -1.73 0.00	30.84 -1.96 0.00	30.80 -2.36 0.00	30.83 -2.27 0.00	32.66 -2.29 0.00	33.36 -2.10 0.00	39.72 -3.26 0.00	51.19 -6.03 0.00	75.16 -9.41 0.00	62.59 -8.04 0.00	47.51 -6.15 0.04	39.39 -4.85 0.88	39.51 -4.14 0.02
SYNERGY___BIOGAS 323694	43.92 -0.64 0.00	40.94 -0.12 0.00	37.06 -0.05 0.00	36.67 -0.20 0.00	39.78 -0.20 0.00	37.11 -0.87 0.00	44.56 -1.54 0.00	55.14 -2.06 0.00	40.36 -1.39 0.00	33.53 -1.00 0.00	30.37 -0.53 0.00	29.29 -0.84 0.00	31.94 -0.87 0.00	31.84 -1.31 0.00	31.83 -1.28 0.00	33.75 -1.20 0.00	34.67 -0.79 0.00	41.80 -1.19 0.00	54.43 -2.80 0.00	80.30 -4.27 0.00	66.89 -3.74 0.00	50.57 -3.10 0.03	42.04 -2.45 0.62	41.63 -2.03 0.02
SYRACUSE___ENERGY_ST1 323597	44.36 -0.20 0.00	40.93 -0.12 0.00	37.01 -0.10 0.00	36.77 -0.10 0.00	39.85 -0.13 0.00	37.81 -0.17 0.00	45.83 -0.27 0.00	56.89 -0.32 0.00	41.46 -0.28 0.00	34.28 -0.25 0.00	30.71 -0.18 0.00	29.92 -0.21 0.00	32.57 -0.24 0.00	32.87 -0.29 0.00	32.85 -0.26 0.00	34.72 -0.23 0.00	35.25 -0.21 0.00	42.69 -0.29 0.00	56.69 -0.53 0.00	83.85 -0.73 0.00	69.86 -0.77 0.00	52.90 -0.80 0.00	44.41 -0.71 0.00	43.00 -0.67 0.00
SYRACUSE___ENERGY_ST2 323598	44.36 -0.20 0.00	40.93 -0.12 0.00	37.01 -0.10 0.00	36.77 -0.10 0.00	39.85 -0.13 0.00	37.81 -0.17 0.00	45.83 -0.27 0.00	56.89 -0.32 0.00	41.46 -0.28 0.00	34.28 -0.25 0.00	30.71 -0.18 0.00	29.92 -0.21 0.00	32.57 -0.24 0.00	32.87 -0.29 0.00	32.85 -0.26 0.00	34.72 -0.23 0.00	35.25 -0.21 0.00	42.69 -0.29 0.00	56.69 -0.53 0.00	83.85 -0.73 0.00	69.86 -0.77 0.00	52.90 -0.80 0.00	44.41 -0.71 0.00	43.00 -0.67 0.00
SYRACUSE___POWER 24017	44.36 -0.20 0.00	40.93 -0.13 0.00	36.99 -0.12 0.00	36.75 -0.12 0.00	39.85 -0.13 0.00	37.79 -0.19 0.00	45.81 -0.28 0.00	56.87 -0.33 0.00	41.45 -0.29 0.00	34.28 -0.25 0.00	30.71 -0.19 0.00	29.93 -0.20 0.00	32.57 -0.24 0.00	32.87 -0.29 0.00	32.83 -0.27 0.00	34.72 -0.24 0.00	35.23 -0.23 0.00	42.69 -0.30 0.00	56.68 -0.54 0.00	83.87 -0.70 0.00	69.91 -0.72 0.00	52.95 -0.76 -0.01	44.41 -0.71 0.00	43.00 -0.67 0.00
TALLMAN___138KV_BK151 55660	45.73 1.17 0.00	41.95 0.89 0.00	37.80 0.69 0.00	37.58 0.71 0.00	40.79 0.81 0.00	38.90 0.93 0.00	47.35 1.25 0.00	58.81 1.61 0.00	42.88 1.13 0.00	35.39 0.85 0.00	31.57 0.67 0.00	30.79 0.66 0.00	33.41 0.60 0.00	33.88 0.72 0.00	33.92 0.81 0.00	35.99 1.04 0.00	36.27 0.81 0.00	44.10 1.11 0.00	58.82 1.60 0.00	87.38 2.81 0.00	73.21 2.58 0.00	55.53 1.83 0.00	46.51 1.40 0.00	44.96 1.29 0.00
TEALLAVE_115KV_TB7 355573	44.14 -0.42 0.00	40.73 -0.32 0.00	36.82 -0.29 0.00	36.58 -0.29 0.00	39.66 -0.32 0.00	37.60 -0.37 0.00	45.58 -0.52 0.00	56.56 -0.65 0.00	41.23 -0.51 0.00	34.13 -0.41 0.00	30.60 -0.29 0.00	29.82 -0.30 0.00	32.45 -0.36 0.00	32.75 -0.41 0.00	32.72 -0.39 0.00	34.59 -0.37 0.00	35.08 -0.38 0.00	42.45 -0.53 0.00	56.35 -0.87 0.00	83.37 -1.20 0.00	69.48 -1.15 0.00	52.62 -1.08 0.00	44.16 -0.96 0.00	42.77 -0.90 0.00
TELGRAPH_34_KV_EAST 80808	42.94 -1.62 0.00	40.10 -0.95 0.00	36.32 -0.79 0.00	35.92 -0.95 0.00	38.96 -1.02 0.00	36.26 -1.71 0.00	43.47 -2.64 0.00	53.73 -3.47 0.00	39.43 -2.31 0.00	32.91 -1.62 0.00	29.92 -0.98 0.00	28.94 -1.19 0.00	31.54 -1.27 0.00	31.47 -1.69 0.00	31.45 -1.65 0.00	33.32 -1.63 0.00	34.12 -1.35 0.00	40.86 -2.13 0.00	52.92 -4.30 0.00	77.90 -6.68 0.00	64.88 -5.76 0.00	49.10 -4.56 0.04	40.71 -3.60 0.81	40.62 -3.04 0.02
TEMPLE___115KV_TB 2 55572	44.16 -0.39 0.00	40.75 -0.31 0.00	36.84 -0.27 0.00	36.60 -0.27 0.00	39.68 -0.30 0.00	37.63 -0.35 0.00	45.59 -0.51 0.00	56.59 -0.62 0.00	41.25 -0.50 0.00	34.15 -0.39 0.00	30.62 -0.28 0.00	29.84 -0.29 0.00	32.47 -0.34 0.00	32.77 -0.39 0.00	32.73 -0.38 0.00	34.61 -0.34 0.00	35.10 -0.37 0.00	42.48 -0.50 0.00	56.38 -0.85 0.00	83.40 -1.18 0.00	69.51 -1.12 0.00	52.63 -1.07 0.00	44.18 -0.94 0.00	42.79 -0.88 0.00
TIANA____69_KV_BK 1 55817	45.76 1.21 0.00	41.27 0.21 0.00	37.14 0.03 0.00	36.91 0.04 0.00	40.19 0.22 0.00	38.52 0.55 0.00	47.44 1.34 0.00	58.03 0.82 0.00	42.22 0.47 0.00	12.32 0.32 22.54	5.80 0.13 25.23	7.28 -0.04 22.81	32.78 -0.03 0.00	33.26 0.11 0.00	33.60 0.49 0.00	36.44 1.48 0.00	36.31 0.85 0.00	44.22 1.22 -0.01	59.36 2.13 0.00	88.41 3.83 0.00	74.05 3.42 0.00	56.84 2.92 -0.21	48.37 2.52 -0.73	45.99 2.31 0.00
TILDEN___115KV_TB1 80814	44.36 -0.20 0.00	40.93 -0.13 0.00	36.99 -0.12 0.00	36.75 -0.12 0.00	39.85 -0.13 0.00	37.79 -0.19 0.00	45.81 -0.28 0.00	56.87 -0.33 0.00	41.45 -0.29 0.00	34.28 -0.25 0.00	30.71 -0.19 0.00	29.93 -0.20 0.00	32.57 -0.24 0.00	32.87 -0.29 0.00	32.83 -0.27 0.00	34.72 -0.24 0.00	35.23 -0.23 0.00	42.69 -0.30 0.00	56.68 -0.54 0.00	83.87 -0.70 0.00	69.91 -0.72 0.00	52.95 -0.76 -0.01	44.41 -0.71 0.00	43.00 -0.67 0.00



TRIGEN___CC 323695	46.35 1.80 0.00	42.26 1.21 0.00	38.03 0.92 0.00	37.78 0.91 0.00	41.08 1.11 0.00	39.30 1.32 0.00	47.95 1.85 0.00	59.27 2.06 0.00	43.20 1.46 0.00	35.71 1.17 0.00	31.89 0.99 0.00	30.99 0.86 0.00	33.64 0.83 0.00	34.09 0.94 0.00	34.24 1.14 0.00	36.70 1.75 0.00	36.85 1.39 0.00	44.94 1.88 -0.08	59.92 2.70 0.00	88.83 4.26 0.00	74.35 3.72 0.00	58.34 3.01 -1.63	53.22 2.50 -5.61	45.95 2.27 0.00
TRINITY___115KV___4 BK 55933	45.00 0.44 0.00	41.31 0.26 0.00	37.34 0.23 0.00	37.10 0.23 0.00	40.18 0.21 0.00	38.29 0.31 0.00	46.59 0.49 0.00	57.85 0.64 0.00	42.00 0.26 0.00	34.72 0.19 0.00	30.96 0.06 0.00	30.22 0.09 0.00	32.86 0.05 0.00	33.29 0.13 0.00	33.22 0.11 0.00	35.07 0.11 0.00	35.65 0.19 0.00	43.20 0.22 0.00	57.82 0.59 0.00	85.49 0.92 0.00	71.56 0.93 0.00	54.53 0.83 0.00	45.85 0.74 0.00	44.36 0.69 0.00
UNION___PROCESSING_DRP 323587	43.57 -0.99 0.00	40.45 -0.61 0.00	36.63 -0.49 0.00	36.29 -0.58 0.00	39.35 -0.62 0.00	36.93 -1.06 0.00	44.47 -1.63 0.00	55.08 -2.12 0.00	40.25 -1.49 0.00	33.44 -1.10 0.00	30.24 -0.65 0.00	29.36 -0.77 0.00	31.89 -0.92 0.00	32.01 -1.14 0.00	32.04 -1.06 0.00	33.98 -0.98 0.00	34.66 -0.80 0.00	41.75 -1.24 0.00	54.63 -2.59 0.00	80.60 -3.97 0.00	67.13 -3.50 0.00	50.77 -2.91 0.02	42.80 -2.32 0.00	41.63 -2.05 0.00
UPPER HUDSON___HYD 24058	47.28 2.72 0.00	43.06 2.00 0.00	38.83 1.72 0.00	38.58 1.71 0.00	41.85 1.87 0.00	39.94 1.96 0.00	48.83 2.73 0.00	60.76 3.55 0.00	43.82 2.08 0.00	35.87 1.33 0.00	31.77 0.88 0.00	30.96 0.83 0.00	33.68 0.87 0.00	34.07 0.91 0.00	33.95 0.85 0.00	36.09 1.14 0.00	37.01 1.55 0.00	44.79 1.81 0.00	60.75 3.53 0.00	89.99 5.41 0.00	75.36 4.72 0.00	57.20 3.50 0.00	47.90 2.78 0.00	46.25 2.57 0.00
UPPER RAQUET___HYD 24056	53.84 -0.43 -9.70	50.05 -0.23 -9.22	45.65 -0.08 -8.62	41.07 -0.06 -4.25	42.28 0.01 -2.30	37.92 -0.06 0.00	46.01 -0.09 0.00	57.16 -0.05 0.00	41.81 0.06 0.00	34.41 -0.12 0.00	30.73 -0.16 0.00	29.97 -0.16 0.00	32.68 -0.13 0.00	32.97 -0.18 0.00	32.83 -0.28 0.00	34.51 -0.45 0.00	35.13 -0.33 0.00	42.83 -0.16 0.00	57.40 0.18 0.00	85.01 0.44 0.00	71.06 0.43 0.00	54.33 0.63 0.00	45.58 0.47 0.00	44.10 0.42 0.00
VALLEY44_115KV_TB2 355964	44.29 -0.27 0.00	41.36 0.30 0.00	37.30 0.19 0.00	36.99 0.12 0.00	40.23 0.25 0.00	37.41 -0.56 0.00	44.73 -1.37 0.00	55.65 -1.56 0.00	40.82 -0.92 0.00	34.02 -0.51 0.00	30.87 -0.03 0.00	30.15 0.02 0.00	32.99 0.18 0.00	33.06 -0.09 0.00	33.05 -0.06 0.00	35.12 0.17 0.00	35.41 -0.05 0.00	42.63 -0.36 0.00	54.92 -2.30 0.00	81.12 -3.45 0.00	67.29 -3.34 0.00	50.51 -3.14 0.05	42.65 -2.46 0.00	41.70 -1.97 0.00
VALLEY___115KV_TB 1-4 80826	44.01 -0.55 0.00	40.45 -0.60 0.00	36.45 -0.66 0.00	36.22 -0.66 0.00	39.31 -0.67 0.00	37.55 -0.42 0.00	45.89 -0.22 0.00	56.99 -0.21 0.00	41.12 -0.62 0.00	33.69 -0.84 0.00	30.01 -0.88 0.00	29.28 -0.85 0.00	31.86 -0.95 0.00	32.21 -0.95 0.00	32.15 -0.96 0.00	33.96 -0.99 0.00	34.65 -0.82 0.00	42.50 -0.49 0.00	57.33 0.11 0.00	85.15 0.57 0.00	71.15 0.51 0.00	54.01 0.31 0.00	45.24 0.12 0.00	43.52 -0.16 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	46.63 2.07 0.00	43.00 1.94 0.00	38.81 1.70 0.00	38.59 1.72 0.00	41.92 1.94 0.00	39.88 1.90 0.00	48.47 2.37 0.00	60.21 3.01 0.00	43.90 2.15 0.00	36.24 1.70 0.00	32.43 1.53 0.00	31.58 1.45 0.00	34.37 1.56 0.00	34.61 1.46 0.00	34.56 1.45 0.00	36.46 1.50 0.00	37.02 1.56 0.00	45.08 2.10 0.00	59.80 2.58 0.00	88.34 3.76 0.00	73.74 3.11 0.00	55.94 2.24 0.00	46.94 1.82 0.00	45.38 1.71 0.00
VISCHER___FERRY HYD 24020	45.46 0.90 0.00	41.69 0.63 0.00	37.67 0.56 0.00	37.43 0.56 0.00	40.54 0.56 0.00	38.62 0.64 0.00	47.08 0.98 0.00	58.46 1.25 0.00	42.38 0.63 0.00	34.95 0.41 0.00	31.09 0.19 0.00	30.33 0.20 0.00	32.98 0.17 0.00	33.40 0.24 0.00	33.31 0.20 0.00	35.23 0.28 0.00	35.86 0.39 0.00	43.57 0.58 0.00	58.47 1.24 0.00	86.47 1.89 0.00	72.42 1.79 0.00	55.16 1.46 0.00	46.38 1.27 0.00	44.87 1.20 0.00
V_A_10_SYNC_DSASP 323832	42.68 -1.88 0.00	39.77 -1.29 0.00	36.04 -1.07 0.00	35.69 -1.19 0.00	38.69 -1.29 0.00	36.07 -1.90 0.00	43.24 -2.86 0.00	53.47 -3.74 0.00	39.21 -2.54 0.00	32.77 -1.77 0.00	29.81 -1.09 0.00	28.93 -1.20 0.00	31.44 -1.37 0.00	31.50 -1.66 0.00	31.52 -1.58 0.00	33.41 -1.54 0.00	34.01 -1.45 0.00	40.71 -2.27 0.00	52.73 -4.49 0.00	77.63 -6.94 0.00	64.61 -6.03 0.00	48.91 -4.76 0.03	40.77 -3.74 0.61	40.42 -3.24 0.02
V_CMM_10_SYNC_DSASP 323787	44.76 0.20 0.00	41.39 0.34 0.00	37.45 0.34 0.00	37.20 0.33 0.00	40.34 0.36 0.00	38.26 0.28 0.00	46.35 0.25 0.00	57.49 0.28 0.00	42.19 0.44 0.00	34.95 0.42 0.00	31.29 0.39 0.00	30.53 0.40 0.00	33.29 0.48 0.00	33.62 0.46 0.00	33.51 0.41 0.00	35.32 0.37 0.00	35.91 0.45 0.00	43.58 0.59 0.00	57.96 0.74 0.00	85.40 0.82 0.00	71.31 0.67 0.00	54.39 0.69 0.00	45.73 0.62 0.00	44.35 0.67 0.00
V_CMP_10_SYNC_DSASP 323788	-20.52 -1.39 63.69	-20.55 -1.13 60.48	-20.48 -1.08 56.52	7.78 -1.21 27.88	23.70 -1.23 15.05	37.01 -0.97 0.00	45.37 -0.73 0.00	57.02 -0.19 0.00	41.50 -0.24 0.00	34.06 -0.47 0.00	30.61 -0.28 0.00	30.02 -0.11 0.00	32.77 -0.04 0.00	33.38 0.22 0.00	33.28 0.17 0.00	35.37 0.41 0.00	36.20 0.74 0.00	44.30 1.32 0.00	59.54 2.31 0.00	86.96 2.38 0.00	72.90 2.27 0.00	56.02 2.32 0.00	47.06 1.94 0.00	45.37 1.69 0.00
V_D_10_SYNC_DSASP 323841	47.03 0.34 -2.13	43.55 0.47 -2.02	39.49 0.48 -1.89	38.26 0.46 -0.93	41.01 0.52 -0.50	38.40 0.42 0.00	46.53 0.43 0.00	57.71 0.51 0.00	42.33 0.59 0.00	35.02 0.49 0.00	31.34 0.44 0.00	30.59 0.45 0.00	33.35 0.54 0.00	33.67 0.51 0.00	33.56 0.45 0.00	35.36 0.40 0.00	35.96 0.50 0.00	43.66 0.68 0.00	58.13 0.91 0.00	85.75 1.17 0.00	71.64 1.00 0.00	54.64 0.94 0.00	45.94 0.83 0.00	44.53 0.85 0.00
V_E_10_SYNC_DSASP 323830	45.35 0.79 0.00	42.08 1.02 0.00	37.97 0.86 0.00	37.92 1.05 0.00	41.03 1.05 0.00	39.50 1.52 0.00	48.30 2.20 0.00	60.53 3.32 0.00	44.32 2.58 0.00	36.01 1.48 0.00	32.07 1.17 0.00	31.34 1.21 0.00	34.21 1.40 0.00	34.37 1.22 0.00	34.36 1.26 0.00	36.47 1.52 0.00	37.39 1.93 0.00	46.29 3.31 0.00	62.07 4.84 0.00	92.32 7.74 0.00	76.40 5.77 0.00	57.27 3.50 -0.06	47.51 2.19 -0.21	45.08 1.40 -0.01
V_F_30_NSYNC___DSASP 323816	46.27 1.71 0.00	42.45 1.40 0.00	38.32 1.21 0.00	38.08 1.20 0.00	41.28 1.31 0.00	39.32 1.35 0.00	47.96 1.86 0.00	59.56 2.35 0.00	43.08 1.34 0.00	35.39 0.85 0.00	31.45 0.55 0.00	30.69 0.55 0.00	33.38 0.57 0.00	33.77 0.61 0.00	33.68 0.57 0.00	35.68 0.72 0.00	36.43 0.97 0.00	44.42 1.44 0.00	59.69 2.46 0.00	88.36 3.78 0.00	73.93 3.29 0.00	56.20 2.50 0.00	47.14 2.03 0.00	45.58 1.90 0.00



V_F_30_SYNC_DSASP 323786	45.19 0.64 0.00	41.49 0.44 0.00	37.50 0.39 0.00	37.26 0.39 0.00	40.35 0.37 0.00	38.44 0.47 0.00	46.79 0.69 0.00	58.10 0.89 0.00	42.18 0.43 0.00	34.84 0.31 0.00	31.07 0.18 0.00	30.32 0.19 0.00	32.99 0.18 0.00	33.40 0.25 0.00	33.33 0.22 0.00	35.20 0.24 0.00	35.80 0.34 0.00	43.43 0.44 0.00	58.12 0.89 0.00	85.94 1.36 0.00	71.91 1.27 0.00	54.78 1.08 0.00	46.06 0.94 0.00	44.53 0.85 0.00
V_XM_10_SYNC_DSASP 323789	-20.52 -1.39 63.69	-20.55 -1.13 60.48	-20.48 -1.08 56.52	7.78 -1.21 27.88	23.70 -1.23 15.05	37.01 -0.97 0.00	45.37 -0.73 0.00	57.02 -0.19 0.00	41.50 -0.24 0.00	34.06 -0.47 0.00	30.61 -0.28 0.00	30.02 -0.11 0.00	32.77 -0.04 0.00	33.38 0.22 0.00	33.28 0.17 0.00	35.37 0.41 0.00	36.20 0.74 0.00	44.30 1.32 0.00	59.54 2.31 0.00	86.96 2.38 0.00	72.90 2.27 0.00	56.02 2.32 0.00	47.06 1.94 0.00	45.37 1.69 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	45.92 1.36 0.00	42.12 1.06 0.00	37.95 0.84 0.00	37.73 0.86 0.00	40.94 0.96 0.00	39.05 1.08 0.00	47.53 1.43 0.00	59.04 1.84 0.00	43.04 1.29 0.00	35.53 0.99 0.00	31.69 0.79 0.00	30.90 0.77 0.00	33.53 0.72 0.00	34.00 0.85 0.00	34.04 0.93 0.00	36.12 1.16 0.00	36.43 0.96 0.00	44.29 1.30 0.00	59.07 1.85 0.00	87.77 3.19 0.00	73.54 2.90 0.00	55.79 2.09 0.00	46.72 1.61 0.00	45.15 1.48 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	46.29 1.74 0.00	42.44 1.38 0.00	38.23 1.11 0.00	37.98 1.11 0.00	41.19 1.22 0.00	39.30 1.33 0.00	47.89 1.79 0.00	59.46 2.26 0.00	43.40 1.66 0.00	35.89 1.35 0.00	32.08 1.19 0.00	31.26 1.13 0.00	33.90 1.09 0.00	34.35 1.19 0.00	34.39 1.29 0.00	36.49 1.53 0.00	36.82 1.36 0.00	44.72 1.74 0.00	59.61 2.39 0.00	88.47 3.89 0.00	74.14 3.51 0.00	56.34 2.63 0.00	47.21 2.10 0.00	45.57 1.89 0.00
W50THST__13_KV_LOAD 356117	46.51 1.95 0.00	42.67 1.62 0.00	38.52 1.41 0.00	38.28 1.41 0.00	41.52 1.55 0.00	39.62 1.64 0.00	48.27 2.17 0.00	59.94 2.74 0.00	43.77 2.02 0.00	36.19 1.66 0.00	32.36 1.46 0.00	31.52 1.39 0.00	34.14 1.33 0.00	34.56 1.41 0.00	34.60 1.49 0.00	36.71 1.75 0.00	37.04 1.58 0.00	44.99 2.01 0.00	59.95 2.73 0.00	88.96 4.38 0.00	74.56 3.92 0.00	56.64 2.94 0.00	47.47 2.36 0.00	45.81 2.13 0.00
WADING RIVER_IC_1 23522	45.61 1.05 0.00	41.07 0.02 0.00	36.95 -0.16 0.00	36.71 -0.16 0.00	39.97 -0.01 0.00	38.32 0.34 0.00	47.23 1.13 0.00	57.67 0.47 0.00	41.98 0.24 0.00	19.94 0.13 14.72	14.38 -0.04 16.48	15.01 -0.22 14.90	32.59 -0.22 0.00	33.05 -0.10 0.00	33.45 0.34 0.00	36.36 1.41 0.00	36.15 0.69 0.00	43.87 0.88 -0.01	58.87 1.65 0.00	87.57 2.99 0.00	73.31 2.68 0.00	56.26 2.35 -0.21	47.87 2.02 -0.73	45.48 1.80 0.00
WADING RIVER_IC_2 23547	45.61 1.05 0.00	41.07 0.02 0.00	36.95 -0.16 0.00	36.71 -0.16 0.00	39.97 -0.01 0.00	38.32 0.34 0.00	47.23 1.13 0.00	57.67 0.47 0.00	41.98 0.24 0.00	19.94 0.13 14.72	14.38 -0.04 16.48	15.01 -0.22 14.90	32.59 -0.22 0.00	33.05 -0.10 0.00	33.45 0.34 0.00	36.36 1.41 0.00	36.15 0.69 0.00	43.87 0.88 -0.01	58.87 1.65 0.00	87.57 2.99 0.00	73.31 2.68 0.00	56.26 2.35 -0.21	47.87 2.02 -0.73	45.48 1.80 0.00
WADING RIVER_IC_3 23601	45.61 1.05 0.00	41.07 0.02 0.00	36.95 -0.16 0.00	36.71 -0.16 0.00	39.97 -0.01 0.00	38.32 0.34 0.00	47.23 1.13 0.00	57.67 0.47 0.00	41.98 0.24 0.00	19.94 0.13 14.72	14.38 -0.04 16.48	15.01 -0.22 14.90	32.59 -0.22 0.00	33.05 -0.10 0.00	33.45 0.34 0.00	36.36 1.41 0.00	36.15 0.69 0.00	43.87 0.88 -0.01	58.87 1.65 0.00	87.57 2.99 0.00	73.31 2.68 0.00	56.26 2.35 -0.21	47.87 2.02 -0.73	45.48 1.80 0.00
WALDENNY_12_KV_BK2 80841	43.41 -1.15 0.00	40.55 -0.51 0.00	36.72 -0.39 0.00	36.31 -0.56 0.00	39.39 -0.59 0.00	36.60 -1.38 0.00	43.86 -2.25 0.00	54.24 -2.97 0.00	39.83 -1.91 0.00	33.35 -1.19 0.00	30.39 -0.51 0.00	29.43 -0.70 0.00	32.01 -0.80 0.00	31.99 -1.17 0.00	32.01 -1.10 0.00	33.95 -1.01 0.00	34.61 -0.85 0.00	41.41 -1.58 0.00	53.42 -3.80 0.00	78.50 -6.08 0.00	65.28 -5.35 0.00	49.37 -4.29 0.04	41.00 -3.42 0.69	40.87 -2.79 0.02
WALDEN__HYDRO 24148	45.93 1.37 0.00	42.14 1.08 0.00	37.97 0.86 0.00	37.75 0.87 0.00	40.96 0.98 0.00	39.07 1.09 0.00	47.56 1.45 0.00	59.07 1.86 0.00	43.03 1.28 0.00	35.49 0.96 0.00	31.64 0.74 0.00	30.82 0.69 0.00	33.46 0.66 0.00	33.90 0.75 0.00	33.93 0.82 0.00	35.97 1.02 0.00	36.36 0.90 0.00	44.22 1.24 0.00	59.09 1.86 0.00	87.76 3.18 0.00	73.50 2.86 0.00	55.79 2.09 0.00	46.74 1.63 0.00	45.15 1.48 0.00
WARRENSBURG____ 23737	47.28 2.72 0.00	43.05 1.99 0.00	38.83 1.72 0.00	38.58 1.71 0.00	41.85 1.87 0.00	39.94 1.96 0.00	48.83 2.73 0.00	60.76 3.55 0.00	43.82 2.08 0.00	35.87 1.33 0.00	31.77 0.88 0.00	30.96 0.83 0.00	33.68 0.87 0.00	34.07 0.91 0.00	33.96 0.85 0.00	36.09 1.14 0.00	37.01 1.55 0.00	44.80 1.81 0.00	60.75 3.53 0.00	89.98 5.40 0.00	75.36 4.72 0.00	57.21 3.51 0.00	47.90 2.78 0.00	46.25 2.57 0.00
WATERSIDE____6 8 9 23538	44.46 1.92 2.02	39.67 1.47 2.85	34.79 1.15 3.48	34.52 1.15 3.50	38.39 1.27 2.85	36.12 1.38 3.24	46.37 1.83 1.57	59.49 2.30 0.01	40.77 1.71 2.68	31.77 1.42 4.18	28.23 1.26 3.93	27.61 1.23 3.75	29.69 1.20 4.32	30.24 1.31 4.23	30.28 1.39 4.22	32.63 1.64 3.97	32.95 1.46 3.98	42.40 1.85 2.44	58.66 2.51 1.08	86.96 4.08 1.70	69.79 3.73 4.56	48.35 2.80 8.15	44.93 2.23 2.42	43.45 2.02 2.24
WATKINRD_115KV_LN8_ILLION 55919	44.31 -0.25 0.00	40.75 -0.31 0.00	36.76 -0.35 0.00	36.54 -0.33 0.00	39.64 -0.34 0.00	37.79 -0.19 0.00	46.06 -0.04 0.00	57.17 -0.04 0.00	41.37 -0.37 0.00	34.00 -0.53 0.00	30.33 -0.56 0.00	29.59 -0.54 0.00	32.19 -0.62 0.00	32.54 -0.61 0.00	32.49 -0.61 0.00	34.32 -0.63 0.00	34.95 -0.51 0.00	42.71 -0.27 0.00	57.36 0.14 0.00	85.01 0.43 0.00	71.05 0.41 0.00	53.94 0.24 0.00	45.25 0.13 0.00	43.63 -0.04 0.00
WATSON__69_KV_BK 1 55734	46.82 2.26 0.00	42.46 1.41 0.00	38.21 1.10 0.00	37.95 1.08 0.00	41.30 1.32 0.00	39.52 1.54 0.00	48.40 2.29 0.00	59.52 2.31 0.00	43.34 1.60 0.00	38.56 1.25 -2.78	34.98 0.98 -3.10	33.70 0.77 -2.80	33.53 0.72 0.00	33.97 0.81 0.00	34.20 1.10 0.00	36.93 1.98 0.00	37.02 1.56 0.00	45.20 2.20 -0.01	60.57 3.35 0.00	89.81 5.23 0.00	75.13 4.50 0.00	57.76 3.76 -0.29	49.29 3.16 -1.02	46.52 2.85 0.00
WDELAWARE__HYD 323627	46.20 1.64 0.00	42.40 1.35 0.00	38.23 1.12 0.00	38.00 1.12 0.00	41.24 1.26 0.00	39.32 1.34 0.00	47.87 1.77 0.00	59.44 2.24 0.00	43.28 1.53 0.00	35.62 1.09 0.00	31.70 0.80 0.00	30.84 0.71 0.00	33.48 0.67 0.00	33.87 0.71 0.00	33.87 0.77 0.00	35.90 0.94 0.00	36.39 0.93 0.00	44.37 1.39 0.00	59.27 2.04 0.00	88.20 3.62 0.00	73.85 3.22 0.00	56.05 2.34 0.00	46.93 1.81 0.00	45.30 1.62 0.00



WEST BABYLON___IC 23714	46.77 2.21 0.00	42.48 1.43 0.00	38.22 1.11 0.00	37.96 1.09 0.00	41.31 1.33 0.00	39.51 1.54 0.00	48.34 2.23 0.00	59.54 2.33 0.00	43.36 1.62 0.00	35.80 1.27 0.00	31.91 1.02 0.00	30.95 0.82 0.00	33.59 0.78 0.00	34.03 0.88 0.00	34.25 1.15 0.00	36.91 1.96 0.00	37.03 1.57 0.00	45.21 2.21 -0.02	60.52 3.30 0.00	89.72 5.14 0.00	75.09 4.46 0.00	57.87 3.70 -0.48	49.85 3.09 -1.65	46.47 2.79 0.00
WEST CANADA___HYD 24049	44.51 -0.05 0.00	40.96 -0.09 0.00	37.03 -0.08 0.00	36.80 -0.07 0.00	39.90 -0.08 0.00	37.94 -0.04 0.00	46.09 -0.01 0.00	57.21 0.00 0.00	41.67 -0.07 0.00	34.44 -0.09 0.00	30.80 -0.09 0.00	30.04 -0.09 0.00	32.70 -0.11 0.00	33.06 -0.10 0.00	33.01 -0.10 0.00	34.85 -0.10 0.00	35.36 -0.10 0.00	42.88 -0.10 0.00	57.17 -0.05 0.00	84.58 0.00 0.00	70.64 0.00 0.00	53.70 0.00 0.00	45.09 -0.02 0.00	43.63 -0.05 0.00
WESTERN_NY_WIND 24143	43.84 -0.72 0.00	40.89 -0.17 0.00	37.02 -0.09 0.00	36.62 -0.25 0.00	39.73 -0.25 0.00	37.05 -0.93 0.00	44.48 -1.63 0.00	55.05 -2.16 0.00	40.29 -1.46 0.00	33.50 -1.04 0.00	30.34 -0.55 0.00	29.26 -0.88 0.00	31.91 -0.90 0.00	31.81 -1.34 0.00	31.80 -1.31 0.00	33.71 -1.25 0.00	34.62 -0.84 0.00	41.73 -1.26 0.00	54.31 -2.91 0.00	80.14 -4.44 0.00	66.76 -3.88 0.00	50.46 -3.21 0.03	41.91 -2.53 0.67	41.56 -2.10 0.02
WESTOVER___LESR 323668	44.36 -0.20 0.00	40.98 -0.08 0.00	36.95 -0.16 0.00	36.69 -0.18 0.00	39.86 -0.13 0.00	37.74 -0.23 0.00	45.67 -0.43 0.00	56.79 -0.42 0.00	41.48 -0.26 0.00	34.33 -0.20 0.00	30.79 -0.10 0.00	30.03 -0.10 0.00	32.74 -0.07 0.00	33.02 -0.14 0.00	32.97 -0.13 0.00	34.89 -0.06 0.00	35.33 -0.13 0.00	42.88 -0.11 0.00	56.61 -0.61 0.00	83.81 -0.77 0.00	69.77 -0.87 0.00	52.77 -0.91 0.02	44.29 -0.83 0.00	42.98 -0.69 0.00
WETHRSFD_WT_PWR 323626	42.08 -2.48 0.00	39.43 -1.63 0.00	35.63 -1.48 0.00	35.29 -1.58 0.00	38.47 -1.51 0.00	36.00 -1.98 0.00	43.47 -2.63 0.00	54.02 -3.18 0.00	39.65 -2.09 0.00	32.93 -1.60 0.00	29.71 -1.19 0.00	28.65 -1.48 0.00	31.14 -1.67 0.00	31.25 -1.91 0.00	31.28 -1.83 0.00	33.31 -1.65 0.00	34.02 -1.44 0.00	41.11 -1.87 0.00	53.42 -3.81 0.00	78.25 -6.32 0.00	64.81 -5.83 0.00	48.52 -5.09 0.09	34.42 -4.40 6.30	39.64 -3.87 0.17
WHAVSTOR_138KV_BK127 55557	45.74 1.18 0.00	41.96 0.90 0.00	37.80 0.69 0.00	37.58 0.71 0.00	40.78 0.80 0.00	38.90 0.92 0.00	47.35 1.25 0.00	58.81 1.60 0.00	42.87 1.13 0.00	35.39 0.86 0.00	31.58 0.68 0.00	30.79 0.66 0.00	33.42 0.61 0.00	33.88 0.72 0.00	33.92 0.81 0.00	35.99 1.03 0.00	36.27 0.81 0.00	44.10 1.12 0.00	58.83 1.60 0.00	87.38 2.81 0.00	73.21 2.57 0.00	55.56 1.86 0.00	46.55 1.43 0.00	44.98 1.30 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	45.74 1.18 0.00	41.96 0.90 0.00	37.80 0.69 0.00	37.58 0.71 0.00	40.78 0.80 0.00	38.90 0.92 0.00	47.35 1.25 0.00	58.81 1.60 0.00	42.87 1.13 0.00	35.39 0.86 0.00	31.58 0.68 0.00	30.79 0.66 0.00	33.42 0.61 0.00	33.88 0.72 0.00	33.92 0.81 0.00	35.99 1.03 0.00	36.27 0.81 0.00	44.10 1.12 0.00	58.83 1.60 0.00	87.38 2.81 0.00	73.21 2.57 0.00	55.56 1.86 0.00	46.55 1.43 0.00	44.98 1.30 0.00
WHITEHAL_115KV_TB1 80871	48.25 3.70 0.00	43.60 2.54 0.00	39.19 2.08 0.00	38.91 2.03 0.00	42.17 2.19 0.00	40.38 2.40 0.00	49.55 3.45 0.00	61.93 4.72 0.00	44.35 2.61 0.00	36.07 1.53 0.00	31.74 0.85 0.00	30.90 0.77 0.00	33.65 0.84 0.00	34.13 0.97 0.00	33.96 0.86 0.00	36.42 1.47 0.00	37.51 2.05 0.00	45.17 2.19 0.00	62.28 5.06 0.00	92.19 7.61 0.00	77.46 6.83 0.00	58.86 5.16 0.00	49.15 4.03 0.00	47.46 3.78 0.00
WHITEPLN_13_KV_LOAD 356215	46.46 1.91 0.00	42.57 1.52 0.00	38.34 1.23 0.00	38.09 1.22 0.00	41.33 1.34 0.00	39.45 1.47 0.00	48.05 1.95 0.00	59.68 2.47 0.00	43.51 1.77 0.00	35.94 1.41 0.00	32.11 1.21 0.00	31.28 1.15 0.00	33.94 1.13 0.00	34.39 1.24 0.00	34.43 1.32 0.00	36.54 1.58 0.00	36.89 1.43 0.00	44.82 1.84 0.00	59.84 2.62 0.00	88.86 4.29 0.00	74.44 3.81 0.00	56.54 2.84 0.00	47.38 2.27 0.00	45.74 2.06 0.00
WM_FLOYD_69_KV_BK2 356380	46.01 1.45 0.00	41.55 0.50 0.00	37.39 0.28 0.00	37.14 0.27 0.00	40.44 0.46 0.00	38.74 0.76 0.00	47.63 1.53 0.00	58.30 1.10 0.00	42.43 0.68 0.00	-6.05 0.50 41.09	-14.80 0.28 45.98	-11.35 0.08 41.57	32.84 0.02 0.00	33.28 0.13 0.00	33.62 0.52 0.00	36.46 1.50 0.00	36.37 0.91 0.00	44.33 1.34 -0.01	59.49 2.27 0.00	88.45 3.87 0.00	74.02 3.38 0.00	56.81 2.89 -0.21	48.33 2.47 -0.74	45.88 2.21 0.00
WOODARD___115KV_TB2 355635	44.09 -0.46 0.00	40.67 -0.38 0.00	36.77 -0.33 0.00	36.54 -0.33 0.00	39.61 -0.37 0.00	37.57 -0.41 0.00	45.54 -0.56 0.00	56.50 -0.71 0.00	41.20 -0.55 0.00	34.10 -0.43 0.00	30.57 -0.32 0.00	29.79 -0.33 0.00	32.43 -0.38 0.00	32.73 -0.43 0.00	32.69 -0.42 0.00	34.55 -0.41 0.00	35.05 -0.42 0.00	42.41 -0.58 0.00	56.31 -0.92 0.00	83.31 -1.26 0.00	69.43 -1.20 0.00	52.59 -1.11 0.00	44.15 -0.97 0.00	42.75 -0.92 0.00
YORK___WARBASSE 23770	56.88 2.26 -10.07	57.06 1.77 -14.23	55.91 1.45 -17.35	55.78 1.44 -17.48	55.79 1.57 -14.24	55.79 1.66 -16.15	56.07 2.15 -7.82	59.92 2.65 -0.07	57.13 2.00 -13.39	57.08 1.67 -20.87	56.34 1.49 -23.95	55.83 1.45 -24.26	55.84 1.45 -21.58	55.85 1.56 -21.12	55.84 1.64 -21.09	56.66 1.90 -19.80	57.05 1.73 -19.85	57.31 2.16 -12.17	65.49 2.90 -5.38	97.67 4.63 -8.47	97.60 4.17 -22.79	97.57 3.17 -40.69	59.73 2.55 -12.07	57.21 2.34 -11.19