

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

04/17/2025

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	36.39	34.85	34.92	34.69	35.45	41.37	58.12	60.44	53.41	45.01	42.72	41.80	39.76	39.37	41.11	41.04	41.99	47.01	52.04	60.13	59.97	49.11	43.52	38.12
24138	2.70	2.64	2.47	2.45	2.50	2.92	4.45	4.94	3.77	2.52	2.34	2.12	2.08	2.03	2.01	2.13	2.31	2.97	3.97	4.82	4.73	3.76	3.22	2.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-7.76	-13.51	-14.40	-15.89	-14.30	-14.52	-17.01	-16.00	-15.58	-13.36	-5.87	-2.89	-2.13	-0.05	-1.49	0.00
74TH STREET_GT_1	36.42	34.79	34.95	34.69	35.32	41.41	57.96	60.28	57.97	53.12	51.38	51.40	48.40	48.14	51.40	50.72	51.41	55.05	55.50	61.74	61.11	49.06	44.35	38.12
24260	2.73	2.58	2.50	2.45	2.37	2.96	4.29	4.77	3.60	2.40	2.23	2.05	2.01	1.96	1.94	2.06	2.24	2.88	3.84	4.67	4.57	3.67	3.14	2.69
	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-12.48	-21.74	-23.17	-25.56	-23.01	-23.36	-27.37	-25.75	-25.06	-21.50	-9.45	-4.64	-3.43	-2.40	0.00	
74TH STREET_GT_2	36.42	34.79	34.95	34.69	35.32	41.41	57.96	60.28	57.97	53.12	51.38	51.40	48.40	48.14	51.40	50.72	51.41	55.05	55.50	61.74	61.11	49.06	44.35	38.12
24261	2.73	2.58	2.50	2.45	2.37	2.96	4.29	4.77	3.60	2.40	2.23	2.05	2.01	1.96	1.94	2.06	2.24	2.88	3.84	4.67	4.57	3.67	3.14	2.69
	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-12.48	-21.74	-23.17	-25.56	-23.01	-23.36	-27.37	-25.75	-25.06	-21.50	-9.45	-4.64	-3.43	-0.08	-2.40	0.00
ADK HUDSON___FALLS	35.61	34.02	34.24	33.98	34.99	41.14	57.90	59.83	44.73	30.60	27.20	24.77	24.31	23.64	22.84	23.76	25.18	32.14	44.61	55.73	56.78	48.29	41.10	37.45
24011	1.92	1.80	1.78	1.74	2.04	2.69	4.24	4.33	2.85	1.62	1.22	0.98	0.94	0.82	0.75	0.85	1.08	1.47	2.41	3.30	3.66	2.99	2.29	2.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	35.75	34.11	34.37	34.11	35.12	41.33	58.28	60.16	44.94	30.68	27.25	24.87	24.36	23.67	22.86	23.78	25.23	32.21	44.78	55.94	57.10	48.52	41.26	37.59
23798	2.06	1.90	1.91	1.87	2.17	2.88	4.62	4.66	3.06	1.71	1.27	1.07	0.98	0.84	0.77	0.87	1.13	1.53	2.57	3.51	3.99	3.22	2.45	2.16
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	35.61	34.02	34.24	33.98	34.99	41.14	57.90	59.83	44.73	30.60	27.20	24.77	24.31	23.64	22.84	23.76	25.18	32.14	44.61	55.73	56.78	48.29	41.10	37.45
24028	1.92	1.80	1.78	1.74	2.04	2.69	4.24	4.33	2.85	1.62	1.22	0.98	0.94	0.82	0.75	0.85	1.08	1.47	2.41	3.30	3.66	2.99	2.29	2.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	35.28	33.70	33.88	33.66	34.43	40.25	56.19	58.33	43.89	30.28	27.15	24.80	24.34	23.76	23.04	23.91	25.23	32.24	44.36	55.00	55.61	47.43	40.51	36.88
23527	1.58	1.48	1.43	1.42	1.48	1.81	2.52	2.83	2.01	1.31	1.17	1.00	0.96	0.94	0.95	1.01	1.13	1.56	2.15	2.57	2.50	2.13	1.71	1.45
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	34.27	32.79	32.97	32.73	33.48	39.02	54.36	56.33	42.55	29.53	26.47	24.25	23.80	23.21	22.51	23.34	24.68	31.41	42.92	53.22	53.86	45.89	39.31	35.89
24190	0.57	0.58	0.52	0.48	0.53	0.58	0.70	0.83	0.67	0.55	0.49	0.45	0.42	0.39	0.42	0.44	0.58	0.74	0.72	0.79	0.74	0.59	0.50	0.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	33.19	31.76	32.03	31.92	32.55	37.87	52.64	54.39	41.09	28.40	25.46	23.30	22.96	22.37	21.60	22.40	23.59	30.09	41.53	51.64	52.42	44.94	38.58	35.25
355683	-0.51	-0.45	-0.42	-0.32	-0.40	-0.58	-1.02	-1.11	-0.80	-0.58	-0.52	-0.50	-0.42	-0.46	-0.49	-0.50	-0.51	-0.58	-0.68	-0.79	-0.69	-0.36	-0.23	-0.18
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	34.87	33.37	33.59	33.34	34.10	39.79	55.49	57.22	42.97	29.64	26.50	24.20	23.73	23.12	22.40	23.27	24.61	31.50	43.55	54.06	54.86	46.75	39.97	36.57
323833	1.18	1.16	1.14	1.10	1.15	1.34	1.83	1.72	1.09	0.67	0.52	0.40	0.35	0.30	0.31	0.37	0.51	0.83	1.35	1.63	1.75	1.45	1.16	1.13
	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
ALBANY_2_SOLAR	34.87	33.37	33.59	33.34	34.10	39.79	55.49	57.22	42.93	29.64	26.47	24.20	23.73	23.12	22.40	23.27	24.61	31.47	43.55	54.06	54.86	46.75	39.97	36.57
323834	1.18	1.16	1.14	1.10	1.15	1.34	1.83	1.72	1.05	0.67	0.49	0.40	0.35	0.30	0.31	0.37	0.51	0.80	1.35	1.63	1.75	1.45	1.16	1.13
	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
ALBANY___1	34.27	32.79	32.97	32.73	33.48	39.02	54.36	56.33	42.55	29.53	26.47	24.25	23.80	23.21	22.51	23.34	24.68	31.41	42.92	53.22	53.86	45.89	39.31	35.89
23571	0.57	0.58	0.52	0.48	0.53	0.58	0.70	0.83	0.67	0.55	0.49	0.45	0.42	0.39	0.42	0.44	0.58	0.74	0.72	0.79	0.74	0.59	0.50	0.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	34.27 0.57 0.00	32.79 0.58 0.00	32.97 0.52 0.00	32.73 0.48 0.00	33.48 0.53 0.00	39.02 0.58 0.00	54.36 0.70 0.00	56.33 0.83 0.00	42.55 0.67 0.00	29.53 0.55 0.00	26.47 0.49 0.00	24.25 0.45 0.00	23.80 0.42 0.00	23.21 0.39 0.00	22.51 0.42 0.00	23.34 0.44 0.00	24.68 0.58 0.00	31.41 0.74 0.00	42.92 0.72 0.00	53.22 0.79 0.00	53.86 0.74 0.00	45.89 0.59 0.00	39.31 0.50 0.00	35.89 0.46 0.00
ALBANY___3 23573	34.27 0.57 0.00	32.79 0.58 0.00	32.97 0.52 0.00	32.73 0.48 0.00	33.48 0.53 0.00	39.02 0.58 0.00	54.36 0.70 0.00	56.33 0.83 0.00	42.55 0.67 0.00	29.53 0.55 0.00	26.47 0.49 0.00	24.25 0.45 0.00	23.80 0.42 0.00	23.21 0.39 0.00	22.51 0.42 0.00	23.34 0.44 0.00	24.68 0.58 0.00	31.41 0.74 0.00	42.92 0.72 0.00	53.22 0.79 0.00	53.86 0.74 0.00	45.89 0.59 0.00	39.31 0.50 0.00	35.89 0.46 0.00
ALBANY___4 23574	34.27 0.57 0.00	32.79 0.58 0.00	32.97 0.52 0.00	32.73 0.48 0.00	33.48 0.53 0.00	39.02 0.58 0.00	54.36 0.70 0.00	56.33 0.83 0.00	42.55 0.67 0.00	29.53 0.55 0.00	26.47 0.49 0.00	24.25 0.45 0.00	23.80 0.42 0.00	23.21 0.39 0.00	22.51 0.42 0.00	23.34 0.44 0.00	24.68 0.58 0.00	31.41 0.74 0.00	42.92 0.72 0.00	53.22 0.79 0.00	53.86 0.74 0.00	45.89 0.59 0.00	39.31 0.50 0.00	35.89 0.46 0.00
ALBANY___LFGE 323615	34.57 0.87 0.00	33.08 0.87 0.00	33.26 0.81 0.00	33.05 0.81 0.00	33.77 0.82 0.00	39.41 0.96 0.00	54.95 1.29 0.00	56.94 1.44 0.00	43.02 1.13 0.00	29.76 0.78 0.00	26.68 0.70 0.00	24.44 0.64 0.00	23.99 0.61 0.00	23.39 0.57 0.00	22.66 0.57 0.00	23.50 0.59 0.00	24.82 0.72 0.00	31.62 0.95 0.00	43.34 1.14 0.00	53.74 1.31 0.00	54.44 1.33 0.00	46.39 1.09 0.00	39.66 0.85 0.00	36.25 0.82 0.00
ALCOA_PA_115KV_PL-6C 55860	34.75 -0.40 -1.46	33.00 -0.35 -1.14	32.16 -0.29 0.00	32.02 -0.23 0.00	32.69 -0.26 0.00	37.98 -0.46 0.00	52.64 -1.02 0.00	54.39 -1.11 0.00	41.21 -0.67 0.00	28.45 -0.52 0.00	25.48 -0.49 0.00	23.32 -0.48 0.00	22.98 -0.40 0.00	22.39 -0.43 0.00	21.60 -0.49 0.00	22.40 -0.50 0.00	23.62 -0.48 0.00	30.12 -0.55 0.00	41.61 -0.59 0.00	51.64 -0.79 0.00	52.42 -0.69 0.00	45.12 -0.18 0.00	38.73 -0.08 0.00	35.40 -0.04 0.00
ALCOA_RYNLDS___DRP 24188	34.75 -0.40 -1.46	33.00 -0.35 -1.14	32.16 -0.29 0.00	32.02 -0.23 0.00	32.69 -0.26 0.00	37.98 -0.46 0.00	52.64 -1.02 0.00	54.39 -1.11 0.00	41.21 -0.67 0.00	28.45 -0.52 0.00	25.48 -0.49 0.00	23.32 -0.48 0.00	22.98 -0.40 0.00	22.39 -0.43 0.00	21.60 -0.49 0.00	22.40 -0.50 0.00	23.62 -0.48 0.00	30.12 -0.55 0.00	41.61 -0.59 0.00	51.64 -0.79 0.00	52.42 -0.69 0.00	45.12 -0.18 0.00	38.73 -0.08 0.00	35.40 -0.04 0.00
ALCOA___DSASP 323711	34.75 -0.40 -1.46	33.00 -0.35 -1.14	32.16 -0.29 0.00	32.05 -0.19 0.00	32.68 -0.26 0.00	37.99 -0.46 0.00	52.64 -1.02 0.00	54.39 -1.11 0.00	41.17 -0.71 0.00	28.45 -0.52 0.00	25.48 -0.49 0.00	23.32 -0.48 0.00	22.98 -0.40 0.00	22.39 -0.43 0.00	21.60 -0.49 0.00	22.40 -0.50 0.00	23.62 -0.48 0.00	30.15 -0.52 0.00	41.61 -0.59 0.00	51.64 -0.78 0.00	52.42 -0.69 0.00	45.12 -0.18 0.00	38.73 -0.08 0.00	35.40 -0.04 0.00
ALLEGHENY___COGEN 23514	34.70 1.01 0.00	32.95 0.74 0.00	33.52 1.07 0.00	33.21 0.97 0.00	34.03 1.09 0.00	39.99 1.54 0.00	56.02 2.36 0.00	57.11 1.61 0.00	42.43 0.54 0.00	28.77 -0.20 0.00	25.51 -0.47 0.00	23.47 -0.33 0.00	22.93 -0.44 0.00	22.66 -0.16 0.00	21.93 -0.15 0.00	22.63 -0.27 0.00	23.55 -0.55 0.00	30.06 -0.61 0.00	42.50 0.30 0.00	53.79 1.36 0.00	54.92 1.81 0.00	46.66 1.36 0.00	39.93 1.13 0.00	36.46 1.03 0.00
ALTAMONT_115KV_TB 2 55880	34.60 0.91 0.00	33.08 0.87 0.00	33.30 0.84 0.00	33.05 0.81 0.00	33.77 0.82 0.00	39.45 1.00 0.00	55.06 1.40 0.00	57.00 1.50 0.00	42.97 1.09 0.00	29.73 0.75 0.00	26.68 0.70 0.00	24.42 0.62 0.00	23.96 0.58 0.00	23.39 0.57 0.00	22.66 0.57 0.00	23.53 0.62 0.00	24.82 0.72 0.00	31.62 0.95 0.00	43.43 1.22 0.00	53.84 1.42 0.00	54.49 1.38 0.00	46.43 1.13 0.00	39.74 0.93 0.00	36.25 0.81 0.00
ALTONA_WT_PWR 323606	-6.87 -1.55 39.01	0.22 -1.45 30.54	31.06 -1.39 0.00	31.05 -1.19 0.00	31.66 -1.29 0.00	36.79 -1.65 0.00	51.30 -2.36 0.00	53.06 -2.44 0.00	39.96 -1.93 0.00	27.70 -1.27 0.00	24.83 -1.14 0.00	22.75 -1.05 0.00	22.42 -0.96 0.00	21.80 -1.03 0.00	21.03 -1.06 0.00	21.83 -1.08 0.00	23.04 -1.06 0.00	29.51 -1.17 0.00	40.98 -1.23 0.00	51.43 -1.00 0.00	52.32 -0.80 0.00	44.80 -0.50 0.00	38.54 -0.27 0.00	35.33 -0.11 0.00
AMERICAN_REF_FUEL 24010	32.28 -1.41 0.00	30.54 -1.68 0.00	31.38 -1.07 0.00	30.76 -1.48 0.00	31.57 -1.38 0.00	36.95 -1.50 0.00	51.14 -2.52 0.00	52.06 -3.44 0.00	39.66 -2.22 0.00	27.27 -1.71 0.00	24.44 -1.53 0.00	22.82 -0.98 0.00	22.19 -1.19 0.00	22.09 -0.73 0.00	21.45 -0.64 0.00	22.01 -0.89 0.00	22.66 -1.45 0.00	28.22 -2.45 0.00	39.25 -2.96 0.00	48.65 -3.78 0.00	49.45 -3.66 0.00	42.45 -2.85 0.00	36.56 -2.25 0.00	33.80 -1.63 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	34.23 0.54 0.00	32.57 0.35 0.00	33.43 0.97 0.00	32.95 0.71 0.00	33.90 0.96 0.00	39.64 1.19 0.00	55.43 1.77 0.00	56.34 0.83 0.00	42.93 1.05 0.00	29.21 0.23 0.00	26.13 0.16 0.00	24.27 0.48 0.00	23.59 0.21 0.00	23.39 0.57 0.00	22.66 0.57 0.00	23.27 0.37 0.00	24.08 -0.02 0.00	30.31 -0.37 0.00	42.37 0.17 0.00	52.64 0.21 0.00	53.38 0.27 0.00	45.48 0.18 0.00	38.81 0.00 0.00	35.79 0.35 0.00
ARTHUR KILL_GT_1 23520	48.46 2.59 -12.17	35.84 2.67 -0.95	34.90 2.37 -0.08	34.68 2.42 -0.02	35.56 2.60 -0.01	48.47 2.73 -7.30	57.75 4.08 -0.01	60.07 4.55 -0.01	55.53 3.39 -10.25	49.06 2.23 -17.85	48.44 2.05 -20.41	48.41 1.83 -22.78	48.43 1.82 -23.23	48.41 1.78 -23.80	48.40 1.77 -24.55	48.41 1.88 -23.62	49.02 2.05 -22.87	50.99 2.67 -17.65	53.60 3.63 -7.76	60.65 4.40 -3.82	60.29 4.36 -2.82	52.91 3.44 -4.16	52.39 2.91 -10.67	49.04 2.66 -10.95
ARTHUR_KILL_2 23512	48.36 2.49 -12.17	35.77 2.61 -0.95	34.80 2.27 -0.08	34.61 2.35 -0.02	35.46 2.50 -0.01	48.36 2.62 -7.30	57.59 3.92 -0.01	59.90 4.38 -0.01	55.45 3.31 -10.25	48.97 2.14 -17.85	48.36 1.97 -20.41	48.36 1.79 -22.78	48.36 1.75 -23.23	48.36 1.73 -23.80	48.36 1.72 -24.55	48.36 1.83 -23.62	48.97 2.00 -22.87	50.90 2.58 -17.65	53.47 3.50 -7.76	60.49 4.24 -3.82	60.13 4.19 -2.82	52.77 3.31 -4.16	52.27 2.80 -10.67	48.97 2.59 -10.95
ARTHUR_KILL_3 23513	48.45 2.59 -12.17	35.58 2.42 -0.95	34.89 2.37 -0.07	34.58 2.32 -0.01	35.22 2.27 0.00	48.54 2.81 -7.29	57.58 3.92 0.00	59.89 4.38 0.00	55.52 3.39 -10.25	49.08 2.26 -17.84	48.51 2.13 -20.40	48.49 1.93 -22.77	48.49 1.89 -23.22	48.47 1.85 -23.80	48.48 1.86 -24.54	48.46 1.95 -23.61	49.11 2.14 -22.86	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.18 4.25 -2.82	52.90 3.44 -4.15	52.45 2.99 -10.66	48.96 2.59 -10.95



ARTHUR_KILL_COGEN 323718	48.46 2.59 -12.17	35.84 2.67 -0.95	34.90 2.37 -0.08	34.68 2.42 -0.02	35.56 2.60 -0.01	48.47 2.73 -7.30	57.75 4.08 -0.01	60.07 4.55 -0.01	55.53 3.39 -10.25	49.06 2.23 -17.85	48.44 2.05 -20.41	48.41 1.83 -22.78	48.43 1.82 -23.23	48.41 1.78 -23.80	48.40 1.77 -24.55	48.41 1.88 -23.62	49.02 2.05 -22.87	50.99 2.67 -17.65	53.60 3.63 -7.76	60.65 4.40 -3.82	60.29 4.36 -2.82	52.91 3.44 -4.16	52.39 2.91 -10.67	49.04 2.66 -10.95
ASHOKAN____ 23654	35.61 1.92 0.00	34.18 1.97 0.00	34.33 1.88 0.00	34.08 1.84 0.00	34.89 1.94 0.00	40.71 2.27 0.00	57.20 3.54 0.00	58.78 3.27 0.00	44.02 2.13 0.00	30.37 1.39 0.00	27.12 1.14 0.00	24.65 0.86 0.00	24.17 0.80 0.00	23.62 0.80 0.00	22.93 0.84 0.00	23.87 0.96 0.00	25.23 1.13 0.00	32.27 1.59 0.00	44.82 2.62 0.00	55.42 2.99 0.00	56.14 3.03 0.00	47.61 2.31 0.00	40.90 2.09 0.00	37.38 1.95 0.00
ASTORIA_EAST_ENERGY_CC1 323581	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.57 2.32 -0.01	35.33 2.37 -0.01	41.26 2.81 -0.01	57.91 4.24 -0.01	60.18 4.66 -0.01	57.79 3.44 -12.48	52.97 2.26 -21.73	51.27 2.13 -23.16	51.30 1.95 -25.55	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.36	50.62 1.97 -25.74	51.28 2.12 -25.06	54.89 2.73 -21.49	55.23 3.59 -9.44	61.37 4.30 -4.64	60.74 4.19 -3.43	48.87 3.49 -0.08	44.14 2.95 -2.39	37.99 2.55 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.57 2.32 -0.01	35.33 2.37 -0.01	41.26 2.81 -0.01	57.91 4.24 -0.01	60.18 4.66 -0.01	57.79 3.44 -12.48	52.97 2.26 -21.73	51.27 2.13 -23.16	51.30 1.95 -25.55	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.36	50.62 1.97 -25.74	51.28 2.12 -25.06	54.89 2.73 -21.49	55.23 3.59 -9.44	61.37 4.30 -4.64	60.74 4.19 -3.43	48.87 3.49 -0.08	44.14 2.95 -2.39	37.99 2.55 -0.01
ASTORIA_GT2_1 24094	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT2_2 24095	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT2_3 24096	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT2_4 24097	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT3_1 24098	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT3_2 24099	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT3_3 24100	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT3_4 24101	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT4_1 24102	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT4_2 24103	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT4_3 24104	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01



ASTORIA_GT4_4 24105	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.86 4.19 -0.01	60.18 4.66 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.62 1.97 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.96 2.52 -0.01
ASTORIA_GT_1 23523	36.33 2.63 -0.01	34.76 2.54 -0.01	34.86 2.40 -0.01	34.60 2.35 -0.01	35.39 2.44 -0.01	41.30 2.84 -0.01	57.97 4.29 -0.01	60.29 4.77 -0.01	57.88 3.52 -12.48	53.03 2.32 -21.73	51.32 2.18 -23.16	51.32 1.97 -25.55	48.33 1.94 -23.01	48.09 1.92 -23.35	51.35 1.90 -27.36	50.64 1.99 -25.74	51.33 2.17 -25.06	54.95 2.79 -21.49	55.32 3.67 -9.44	61.42 4.35 -4.64	60.84 4.30 -3.43	48.91 3.54 -0.08	44.23 3.03 -2.39	38.06 2.62 -0.01
ASTORIA_GT_10 24110	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.70 2.45 -0.01	35.36 2.41 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.72 -0.01	57.93 3.56 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	54.99 2.82 -21.50	58.50 3.76 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.10 -8.30	39.47 2.69 -1.35
ASTORIA_GT_11 24225	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.70 2.45 -0.01	35.36 2.41 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.72 -0.01	57.93 3.56 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	54.99 2.82 -21.50	58.50 3.76 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.10 -8.30	39.47 2.69 -1.35
ASTORIA_GT_12 24226	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.70 2.45 -0.01	35.36 2.41 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.72 -0.01	57.93 3.56 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	54.99 2.82 -21.50	58.50 3.76 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.10 -8.30	39.47 2.69 -1.35
ASTORIA_GT_13 24227	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.70 2.45 -0.01	35.36 2.41 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.72 -0.01	57.93 3.56 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	54.99 2.82 -21.50	58.50 3.76 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.10 -8.30	39.47 2.69 -1.35
ASTORIA_GT_5 24106	36.33 2.63 -0.01	34.77 2.54 -0.01	34.86 2.40 -0.01	34.57 2.32 -0.01	35.30 2.34 -0.01	41.30 2.85 -0.01	57.97 4.29 -0.01	60.29 4.77 -0.01	57.89 3.52 -12.48	53.03 2.32 -21.74	51.33 2.18 -23.17	51.36 2.00 -25.56	48.33 1.94 -23.01	48.09 1.92 -23.35	51.36 1.90 -27.37	50.64 1.99 -25.74	51.33 2.17 -25.06	54.96 2.79 -21.50	55.32 3.67 -9.44	61.42 4.35 -4.64	60.85 4.30 -3.43	48.96 3.58 -0.08	44.22 3.03 -2.39	38.03 2.59 -0.01
ASTORIA_GT_7 24107	36.33 2.63 -0.01	34.77 2.54 -0.01	34.86 2.40 -0.01	34.57 2.32 -0.01	35.30 2.34 -0.01	41.30 2.85 -0.01	57.97 4.29 -0.01	60.29 4.77 -0.01	57.89 3.52 -12.48	53.03 2.32 -21.74	51.33 2.18 -23.17	51.36 2.00 -25.56	48.33 1.94 -23.01	48.09 1.92 -23.35	51.36 1.90 -27.37	50.64 1.99 -25.74	51.33 2.17 -25.06	54.96 2.79 -21.50	55.32 3.67 -9.44	61.42 4.35 -4.64	60.85 4.30 -3.43	48.96 3.58 -0.08	44.22 3.03 -2.39	38.03 2.59 -0.01
ASTORIA_GT_8 24108	36.33 2.63 -0.01	34.77 2.54 -0.01	34.86 2.40 -0.01	34.57 2.32 -0.01	35.30 2.34 -0.01	41.30 2.85 -0.01	57.97 4.29 -0.01	60.29 4.77 -0.01	57.89 3.52 -12.48	53.03 2.32 -21.74	51.33 2.18 -23.17	51.36 2.00 -25.56	48.33 1.94 -23.01	48.09 1.92 -23.35	51.36 1.90 -27.37	50.64 1.99 -25.74	51.33 2.17 -25.06	54.96 2.79 -21.50	55.32 3.67 -9.44	61.42 4.35 -4.64	60.85 4.30 -3.43	48.96 3.58 -0.08	44.22 3.03 -2.39	38.03 2.59 -0.01
ASTORIA___2 24149	36.26 2.56 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.57 2.32 -0.01	35.33 2.37 -0.01	41.26 2.81 -0.01	57.91 4.24 -0.01	60.18 4.66 -0.01	57.79 3.44 -12.48	52.97 2.26 -21.73	51.27 2.13 -23.16	51.30 1.95 -25.55	48.30 1.92 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.36	50.62 1.97 -25.74	51.28 2.12 -25.06	54.89 2.73 -21.49	55.23 3.59 -9.44	61.37 4.30 -4.64	60.74 4.19 -3.43	48.87 3.49 -0.08	44.14 2.95 -2.39	37.99 2.55 -0.01
ASTORIA___3 23516	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.73 2.48 -0.01	35.46 2.50 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.71 -0.01	57.97 3.60 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	55.02 2.85 -21.50	58.50 3.75 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.11 -8.30	39.51 2.73 -1.35
ASTORIA___4 23517	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.70 2.45 -0.01	35.36 2.41 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.72 -0.01	57.93 3.56 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	54.99 2.82 -21.50	58.50 3.76 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.10 -8.30	39.47 2.69 -1.35
ASTORIA___5 23518	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.73 2.48 -0.01	35.46 2.50 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.71 -0.01	57.97 3.60 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	55.02 2.85 -21.50	58.50 3.75 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.11 -8.30	39.51 2.73 -1.35
AST_ENERGY_2_CC3 323677	36.29 2.59 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.59 2.35 0.00	35.29 2.34 0.00	41.25 2.81 0.00	57.74 4.08 0.00	60.00 4.49 0.00	55.60 3.47 -10.24	49.13 2.32 -17.84	47.14 2.15 -19.01	46.72 1.95 -20.97	44.18 1.92 -18.88	43.86 1.87 -19.16	46.42 1.88 -22.46	46.00 1.97 -21.12	46.81 2.14 -20.56	51.10 2.79 -17.64	53.63 3.67 -7.75	60.69 4.45 -3.81	60.28 4.36 -2.81	48.86 3.49 -0.07	43.80 3.03 -1.97	38.02 2.59 0.00
AST_ENERGY_2_CC4 323678	36.29 2.59 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.59 2.35 0.00	35.29 2.34 0.00	41.25 2.81 0.00	57.74 4.08 0.00	60.00 4.49 0.00	55.60 3.47 -10.24	49.13 2.32 -17.84	47.14 2.15 -19.01	46.72 1.95 -20.97	44.18 1.92 -18.88	43.86 1.87 -19.16	46.42 1.88 -22.46	46.00 1.97 -21.12	46.81 2.14 -20.56	51.10 2.79 -17.64	53.63 3.67 -7.75	60.69 4.45 -3.81	60.28 4.36 -2.81	48.86 3.49 -0.07	43.80 3.03 -1.97	38.02 2.59 0.00



ATHENS_STG_1 23668	34.77 1.08 0.00	33.24 1.03 0.00	33.43 0.97 0.00	33.21 0.97 0.00	33.94 0.99 0.00	39.60 1.15 0.00	55.27 1.61 0.00	57.28 1.78 0.00	43.31 1.42 0.00	29.99 1.01 0.00	26.96 0.99 0.00	24.68 0.88 0.00	24.25 0.87 0.00	23.67 0.84 0.00	22.95 0.86 0.00	23.82 0.92 0.00	25.11 1.01 0.00	31.99 1.32 0.00	43.77 1.56 0.00	54.16 1.73 0.00	54.76 1.65 0.00	46.66 1.36 0.00	39.97 1.16 0.00	36.46 1.03 0.00
ATHENS_STG_2 23670	34.77 1.08 0.00	33.24 1.03 0.00	33.43 0.97 0.00	33.21 0.97 0.00	33.94 0.99 0.00	39.60 1.15 0.00	55.27 1.61 0.00	57.28 1.78 0.00	43.31 1.42 0.00	29.99 1.01 0.00	26.96 0.99 0.00	24.68 0.88 0.00	24.25 0.87 0.00	23.67 0.84 0.00	22.95 0.86 0.00	23.82 0.92 0.00	25.11 1.01 0.00	31.99 1.32 0.00	43.77 1.56 0.00	54.16 1.73 0.00	54.76 1.65 0.00	46.66 1.36 0.00	39.97 1.16 0.00	36.46 1.03 0.00
ATHENS_STG_3 23677	34.77 1.08 0.00	33.24 1.03 0.00	33.43 0.97 0.00	33.21 0.97 0.00	33.94 0.99 0.00	39.60 1.15 0.00	55.27 1.61 0.00	57.28 1.78 0.00	43.31 1.42 0.00	29.99 1.01 0.00	26.96 0.99 0.00	24.68 0.88 0.00	24.25 0.87 0.00	23.67 0.84 0.00	22.95 0.86 0.00	23.82 0.92 0.00	25.11 1.01 0.00	31.99 1.32 0.00	43.77 1.56 0.00	54.16 1.73 0.00	54.76 1.65 0.00	46.66 1.36 0.00	39.97 1.16 0.00	36.46 1.03 0.00
AUBURN___LFGE 323710	33.93 0.24 0.00	32.37 0.16 0.00	32.61 0.16 0.00	32.44 0.19 0.00	33.18 0.23 0.00	38.75 0.31 0.00	54.25 0.59 0.00	55.95 0.44 0.00	42.14 0.25 0.00	29.06 0.09 0.00	25.95 -0.03 0.00	23.80 0.00 0.00	23.36 -0.02 0.00	22.87 0.05 0.00	22.09 0.00 0.00	22.88 -0.02 0.00	23.98 -0.12 0.00	30.52 -0.15 0.00	42.25 0.04 0.00	52.64 0.21 0.00	53.38 0.27 0.00	45.44 0.14 0.00	38.85 0.04 0.00	35.47 0.04 0.00
BABYLON_RES_REC 323704	36.05 2.36 0.00	34.43 2.22 0.00	34.56 2.11 0.00	34.31 2.07 0.00	35.06 2.11 0.00	40.98 2.54 0.00	56.61 2.95 0.00	59.05 3.56 0.00	46.45 3.85 -0.71	32.81 2.58 -1.25	29.70 2.39 -1.34	27.46 2.19 -1.47	26.86 2.15 -1.33	26.27 2.10 -1.35	25.79 2.12 -1.58	26.64 2.25 -1.48	27.96 2.41 -1.45	35.01 3.10 -1.24	46.71 3.97 -0.54	57.62 4.93 -0.26	58.14 4.83 -0.19	49.15 3.85 0.00	42.28 3.34 -0.13	37.56 2.13 0.00
BABYLON__69_KV_BK2 356345	36.29 2.59 0.00	34.69 2.48 0.00	34.79 2.34 0.00	34.31 2.06 0.00	35.02 2.08 0.00	41.25 2.81 0.00	56.93 3.27 0.00	59.38 3.89 0.00	46.63 4.06 -0.68	32.90 2.72 -1.20	29.78 2.52 -1.28	27.54 2.33 -1.41	26.92 2.27 -1.27	26.35 2.24 -1.29	25.83 2.23 -1.51	26.74 2.41 -1.42	28.06 2.58 -1.38	35.17 3.31 -1.19	47.07 4.35 -0.52	58.08 5.40 -0.25	58.61 5.31 -0.18	49.60 4.30 0.00	42.58 3.65 -0.12	37.70 2.27 0.00
BALL_HILL_WT_PWR 323825	33.96 0.27 0.00	32.28 0.06 0.00	33.10 0.65 0.00	32.60 0.36 0.00	33.54 0.59 0.00	39.17 0.73 0.00	54.68 1.02 0.00	55.50 0.00 0.00	42.26 0.38 0.00	28.80 -0.17 0.00	25.77 -0.21 0.00	23.94 0.14 0.00	23.29 -0.09 0.00	23.10 0.27 0.00	22.40 0.31 0.00	23.00 0.09 0.00	23.79 -0.31 0.00	29.87 -0.80 0.00	41.70 -0.50 0.00	51.80 -0.63 0.00	52.58 -0.53 0.00	44.89 -0.41 0.00	38.54 -0.27 0.00	35.71 0.28 0.00
BARON_WINDS___WT_PWR 323822	33.59 -0.10 0.00	32.02 -0.19 0.00	32.62 0.16 0.00	32.24 0.00 0.00	33.15 0.20 0.00	38.79 0.35 0.00	54.25 0.59 0.00	55.28 -0.22 0.00	41.63 -0.25 0.00	28.42 -0.55 0.00	25.33 -0.65 0.00	23.42 -0.38 0.00	22.89 -0.49 0.00	22.59 -0.23 0.00	21.87 -0.22 0.00	22.52 -0.39 0.00	23.45 -0.65 0.00	29.72 -0.95 0.00	41.61 -0.59 0.00	52.06 -0.36 0.00	52.85 -0.26 0.00	45.12 -0.18 0.00	38.69 -0.12 0.00	35.68 0.25 0.00
BARRETT_IC_1 23704	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_10 23701	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_11 23702	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_12 23703	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_2 23705	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_3 23706	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_4 23707	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00



BARRETT_IC_5 23708	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_6 23709	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_7 23710	35.95 2.26 0.00	34.37 2.16 0.00	34.46 2.01 0.00	34.08 1.84 0.00	34.76 1.81 0.00	40.87 2.42 0.00	56.29 2.63 0.00	58.72 3.22 0.00	46.22 3.73 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.19 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.58 4.30 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.42 1.98 0.00
BARRETT_IC_8 23711	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT_IC_9 23700	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT___1 23545	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BARRETT___2 23546	35.95 2.26 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.26 3.77 -0.61	32.62 2.58 -1.07	29.48 2.36 -1.14	27.20 2.14 -1.25	26.59 2.08 -1.13	26.00 2.03 -1.14	25.49 2.05 -1.34	26.30 2.13 -1.26	27.62 2.29 -1.23	34.61 2.88 -1.05	46.38 3.71 -0.46	57.00 4.35 -0.22	57.63 4.36 -0.16	48.88 3.58 0.00	42.14 3.22 -0.11	37.49 2.05 0.00
BATAVIA___115KV_TB1 55881	33.59 -0.10 0.00	31.79 -0.42 0.00	32.55 0.10 0.00	32.18 -0.06 0.00	33.05 0.10 0.00	38.52 0.08 0.00	53.61 -0.05 0.00	54.84 -0.67 0.00	41.47 -0.42 0.00	28.37 -0.61 0.00	25.35 -0.62 0.00	23.54 -0.26 0.00	22.91 -0.47 0.00	22.75 -0.07 0.00	22.07 -0.02 0.00	22.63 -0.27 0.00	23.23 -0.87 0.00	29.29 -1.38 0.00	41.02 -1.18 0.00	51.17 -1.26 0.00	52.21 -0.90 0.00	44.49 -0.82 0.00	38.19 -0.62 0.00	35.29 -0.14 0.00
BAYONEEC___CTG1 323682	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BAYONEEC___CTG10 323750	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BAYONEEC___CTG2 323683	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BAYONEEC___CTG3 323684	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BAYONEEC___CTG4 323685	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BAYONEEC___CTG5 323686	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BAYONEEC___CTG6 323687	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00



BAYONEEC___CTG7 323688	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BAYONEEC___CTG8 323689	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BAYONEEC___CTG9 323749	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.25 2.81 0.00	57.64 3.97 0.00	59.89 4.38 0.00	55.57 3.44 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.98 2.55 0.00
BEACON___LESR 323632	34.80 1.11 0.00	33.27 1.06 0.00	33.49 1.04 0.00	33.24 1.00 0.00	34.00 1.05 0.00	39.71 1.27 0.00	55.43 1.77 0.00	57.39 1.89 0.00	43.31 1.42 0.00	29.93 0.95 0.00	26.81 0.83 0.00	24.54 0.74 0.00	24.08 0.70 0.00	23.48 0.66 0.00	22.73 0.64 0.00	23.62 0.71 0.00	24.94 0.84 0.00	31.81 1.14 0.00	43.64 1.44 0.00	54.16 1.73 0.00	54.92 1.81 0.00	46.75 1.45 0.00	39.93 1.13 0.00	36.46 1.03 0.00
BEAVER RIVER___HYD 24048	35.68 -0.47 -2.46	33.79 -0.35 -1.93	32.13 -0.32 0.00	31.95 -0.29 0.00	32.65 -0.30 0.00	38.29 -0.15 0.00	53.93 0.27 0.00	55.56 0.06 0.00	41.42 -0.46 0.00	28.34 -0.64 0.00	25.22 -0.75 0.00	22.99 -0.81 0.00	22.58 -0.79 0.00	21.93 -0.89 0.00	21.20 -0.88 0.00	21.99 -0.92 0.00	23.26 -0.84 0.00	29.81 -0.86 0.00	41.70 -0.50 0.00	52.43 0.00 0.00	53.22 0.11 0.00	45.44 0.14 0.00	38.69 -0.12 0.00	35.26 -0.18 0.00
BEEBEE_GT_13 23619	33.46 -0.24 0.00	31.79 -0.42 0.00	32.29 -0.16 0.00	31.98 -0.26 0.00	32.78 -0.16 0.00	38.25 -0.19 0.00	53.29 -0.38 0.00	54.89 -0.61 0.00	41.51 -0.38 0.00	28.60 -0.38 0.00	25.59 -0.39 0.00	23.61 -0.19 0.00	23.10 -0.28 0.00	22.78 -0.05 0.00	22.04 -0.04 0.00	22.70 -0.21 0.00	23.52 -0.58 0.00	29.75 -0.92 0.00	41.36 -0.84 0.00	51.54 -0.89 0.00	52.42 -0.69 0.00	44.62 -0.68 0.00	38.27 -0.54 0.00	35.08 -0.35 0.00
BENSHRST_27_KV_BENSHRST_1 355998	49.91 3.00 -13.21	36.07 2.90 -0.95	35.29 2.76 -0.08	34.97 2.71 -0.02	35.66 2.70 -0.01	49.58 3.23 -7.91	58.45 4.78 -0.01	60.79 5.27 -0.01	58.30 3.94 -12.48	53.32 2.61 -21.74	52.98 2.39 -24.61	53.41 2.19 -27.42	56.02 2.13 -30.51	56.35 2.10 -31.43	53.69 2.08 -29.53	53.59 2.20 -28.48	53.93 2.39 -27.45	55.24 3.07 -21.50	58.92 4.18 -12.54	62.10 5.03 -4.64	61.54 4.99 -3.43	55.15 4.03 -5.82	58.89 3.42 -16.67	50.33 3.01 -11.89
BETHLEHEM___GRP 23843	34.27 0.57 0.00	32.79 0.58 0.00	32.97 0.52 0.00	32.73 0.48 0.00	33.48 0.53 0.00	39.02 0.58 0.00	54.36 0.70 0.00	56.33 0.83 0.00	42.55 0.67 0.00	29.53 0.55 0.00	26.47 0.49 0.00	24.25 0.45 0.00	23.80 0.42 0.00	23.21 0.39 0.00	22.51 0.42 0.00	23.34 0.44 0.00	24.68 0.58 0.00	31.41 0.74 0.00	42.92 0.72 0.00	53.22 0.79 0.00	53.86 0.74 0.00	45.89 0.59 0.00	39.31 0.50 0.00	35.89 0.46 0.00
BETHLEHEM___GS1 323560	34.26 0.57 0.00	32.79 0.58 0.00	32.97 0.52 0.00	32.76 0.51 0.00	33.47 0.53 0.00	39.06 0.61 0.00	54.36 0.70 0.00	56.34 0.83 0.00	42.60 0.71 0.00	29.52 0.55 0.00	26.47 0.49 0.00	24.25 0.45 0.00	23.80 0.42 0.00	23.21 0.39 0.00	22.51 0.42 0.00	23.34 0.43 0.00	24.66 0.55 0.00	31.41 0.73 0.00	42.92 0.72 0.00	53.22 0.79 0.00	53.86 0.74 0.00	45.89 0.59 0.00	39.28 0.47 0.00	35.89 0.46 0.00
BETHLEHEM___GS2 323561	34.26 0.57 0.00	32.79 0.58 0.00	32.97 0.52 0.00	32.76 0.51 0.00	33.47 0.53 0.00	39.06 0.61 0.00	54.36 0.70 0.00	56.34 0.83 0.00	42.60 0.71 0.00	29.52 0.55 0.00	26.47 0.49 0.00	24.25 0.45 0.00	23.80 0.42 0.00	23.21 0.39 0.00	22.51 0.42 0.00	23.34 0.43 0.00	24.66 0.55 0.00	31.41 0.73 0.00	42.92 0.72 0.00	53.22 0.79 0.00	53.86 0.74 0.00	45.89 0.59 0.00	39.28 0.47 0.00	35.89 0.46 0.00
BETHLEHEM___GS3 323562	34.26 0.57 0.00	32.79 0.58 0.00	32.97 0.52 0.00	32.76 0.51 0.00	33.47 0.53 0.00	39.06 0.61 0.00	54.36 0.70 0.00	56.34 0.83 0.00	42.60 0.71 0.00	29.52 0.55 0.00	26.47 0.49 0.00	24.25 0.45 0.00	23.80 0.42 0.00	23.21 0.39 0.00	22.51 0.42 0.00	23.34 0.43 0.00	24.66 0.55 0.00	31.41 0.73 0.00	42.92 0.72 0.00	53.22 0.79 0.00	53.86 0.74 0.00	45.89 0.59 0.00	39.28 0.47 0.00	35.89 0.46 0.00
BETHLEHEM___STEEL 23779	33.32 -0.37 0.00	31.60 -0.61 0.00	32.42 -0.03 0.00	32.02 -0.23 0.00	32.95 0.00 0.00	38.29 -0.15 0.00	53.23 -0.43 0.00	54.06 -1.44 0.00	41.13 -0.75 0.00	28.16 -0.81 0.00	25.22 -0.75 0.00	23.49 -0.31 0.00	22.84 -0.54 0.00	22.69 -0.14 0.00	22.02 -0.07 0.00	22.59 -0.32 0.00	23.21 -0.89 0.00	29.14 -1.53 0.00	40.68 -1.52 0.00	50.59 -1.84 0.00	51.41 -1.70 0.00	43.99 -1.31 0.00	37.76 -1.05 0.00	35.18 -0.25 0.00
BETHLHEM_115KV_TB1 79974	34.33 0.64 0.00	32.86 0.64 0.00	33.04 0.58 0.00	32.79 0.55 0.00	33.54 0.59 0.00	39.14 0.69 0.00	54.52 0.86 0.00	56.45 0.94 0.00	42.64 0.75 0.00	29.55 0.58 0.00	26.52 0.55 0.00	24.30 0.50 0.00	23.85 0.47 0.00	23.28 0.46 0.00	22.55 0.46 0.00	23.39 0.48 0.00	24.70 0.60 0.00	31.47 0.80 0.00	43.05 0.84 0.00	53.32 0.89 0.00	54.02 0.90 0.00	46.03 0.72 0.00	39.39 0.58 0.00	35.96 0.53 0.00
BETHPAGE_CC_5 323564	36.05 2.36 0.00	34.43 2.22 0.00	34.53 2.08 0.00	34.31 2.07 0.00	35.06 2.11 0.00	40.98 2.54 0.00	56.61 2.95 0.00	59.05 3.56 0.00	46.54 3.85 -0.80	33.02 2.64 -1.40	29.94 2.47 -1.50	27.71 2.26 -1.65	27.06 2.20 -1.49	26.48 2.14 -1.51	26.02 2.17 -1.77	26.84 2.27 -1.66	28.15 2.43 -1.62	35.13 3.07 -1.39	46.69 3.88 -0.60	57.44 4.72 -0.29	58.00 4.68 -0.21	49.01 3.72 0.00	42.21 3.26 -0.15	37.52 2.09 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	33.39 -0.30 0.00	31.66 -0.55 0.00	32.52 0.06 0.00	32.11 -0.13 0.00	33.05 0.10 0.00	38.41 -0.04 0.00	53.45 -0.21 0.00	54.23 -1.28 0.00	41.26 -0.63 0.00	28.22 -0.75 0.00	25.27 -0.70 0.00	23.54 -0.26 0.00	22.87 -0.51 0.00	22.73 -0.09 0.00	22.04 -0.04 0.00	22.63 -0.27 0.00	23.23 -0.87 0.00	29.20 -1.47 0.00	40.81 -1.39 -1.73	50.70 -1.59 0.00	51.52 -1.22 0.00	44.08 -0.97 0.00	37.84 -0.97 0.00	35.33 -0.11 0.00



BINGHAMTON___COGEN 23790	34.20 0.51 0.00	32.66 0.45 0.00	32.97 0.52 0.00	32.73 0.48 0.00	33.54 0.59 0.00	39.14 0.69 0.00	54.74 1.07 0.00	56.33 0.83 0.00	42.51 0.63 0.00	29.24 0.26 0.00	26.11 0.13 0.00	23.99 0.19 0.00	23.52 0.14 0.00	23.03 0.21 0.00	22.29 0.20 0.00	23.09 0.18 0.00	24.15 0.05 0.00	30.76 0.09 0.00	42.54 0.34 0.00	52.95 0.52 0.00	53.64 0.53 0.00	45.66 0.36 0.00	39.12 0.31 0.00	35.93 0.50 0.00
BIXINCNT_115KV_LOAD 355685	33.46 -0.24 0.00	31.83 -0.39 0.00	32.78 0.32 0.00	32.44 0.19 0.00	33.34 0.40 0.00	38.87 0.42 0.00	54.36 0.70 0.00	55.06 -0.44 0.00	41.93 0.04 0.00	28.57 -0.41 0.00	25.53 -0.44 0.00	23.75 -0.05 0.00	23.08 -0.30 0.00	22.87 0.05 0.00	22.18 0.09 0.00	22.70 -0.21 0.00	23.35 -0.75 0.00	29.48 -1.20 0.00	41.28 -0.93 0.00	51.43 -1.00 0.00	52.32 -0.80 0.00	44.71 -0.59 0.00	38.38 -0.43 0.00	35.86 0.43 0.00
BLACK RIVER___HYD 24047	35.32 -0.07 -1.70	33.51 -0.03 -1.33	32.45 0.00 0.00	32.24 0.00 0.00	32.98 0.03 0.00	38.75 0.31 0.00	54.74 1.07 0.00	56.28 0.78 0.00	41.72 -0.17 0.00	28.48 -0.49 0.00	25.30 -0.68 0.00	23.04 -0.76 0.00	22.63 -0.75 0.00	21.95 -0.87 0.00	21.25 -0.84 0.00	22.04 -0.87 0.00	23.28 -0.82 0.00	29.87 -0.80 0.00	41.95 -0.25 0.00	53.01 0.58 0.00	53.86 0.74 0.00	45.89 0.59 0.00	39.00 0.20 0.00	35.50 0.07 0.00
BLACKRVR_115KV_TB2 79977	35.32 -0.07 -1.70	33.51 -0.03 -1.33	32.45 0.00 0.00	32.27 0.03 0.00	32.98 0.03 0.00	38.75 0.31 0.00	54.74 1.07 0.00	56.28 0.78 0.00	41.72 -0.17 0.00	28.45 -0.52 0.00	25.30 -0.68 0.00	23.04 -0.76 0.00	22.63 -0.75 0.00	21.95 -0.87 0.00	21.25 -0.84 0.00	22.04 -0.87 0.00	23.28 -0.82 0.00	29.88 -0.80 0.00	41.95 -0.25 0.00	53.01 0.58 0.00	53.86 0.74 0.00	45.89 0.59 0.00	38.96 0.16 0.00	35.50 0.07 0.00
BLISS_WT_PWR 323608	33.32 -0.37 0.00	31.73 -0.48 0.00	32.71 0.26 0.00	32.21 -0.03 0.00	33.11 0.17 0.00	38.83 0.38 0.00	54.31 0.65 0.00	55.00 -0.50 0.00	41.93 0.04 0.00	28.57 -0.41 0.00	25.53 -0.44 0.00	23.75 -0.05 0.00	23.05 -0.33 0.00	22.87 0.05 0.00	22.15 0.07 0.00	22.68 -0.23 0.00	23.40 -0.70 0.00	29.44 -1.23 0.00	41.24 -0.97 0.00	51.38 -1.05 0.00	52.26 -0.85 0.00	44.71 -0.59 0.00	38.42 -0.39 0.00	35.71 0.28 0.00
BLUESTONE___WT_PWR 323821	35.71 2.02 0.00	34.08 1.87 0.00	34.40 1.95 0.00	34.18 1.93 0.00	34.99 2.04 0.00	41.06 2.62 0.00	58.01 4.34 0.00	61.22 5.72 0.00	45.32 3.44 0.00	30.57 1.59 0.00	26.91 0.93 0.00	24.56 0.76 0.00	24.06 0.68 0.00	23.37 0.55 0.00	22.64 0.55 0.00	23.53 0.62 0.00	24.92 0.82 0.00	31.81 1.14 0.00	44.52 2.32 0.00	55.94 3.51 0.00	56.67 3.56 0.00	48.24 2.94 0.00	41.14 2.33 0.00	37.59 2.16 0.00
BLUE_CIRC_CHEM_DRP 24182	34.67 0.98 0.00	33.18 0.97 0.00	33.39 0.94 0.00	33.14 0.90 0.00	33.87 0.92 0.00	39.56 1.11 0.00	55.11 1.45 0.00	56.94 1.44 0.00	42.85 0.96 0.00	29.58 0.61 0.00	26.50 0.52 0.00	24.23 0.43 0.00	23.78 0.40 0.00	23.19 0.37 0.00	22.46 0.38 0.00	23.32 0.41 0.00	24.63 0.53 0.00	31.44 0.77 0.00	43.26 1.06 0.00	53.74 1.31 0.00	54.49 1.38 0.00	46.48 1.18 0.00	39.78 0.97 0.00	36.32 0.89 0.00
BOC_GAS_DRP 24189	34.50 0.81 0.00	32.99 0.77 0.00	33.20 0.75 0.00	32.95 0.71 0.00	33.67 0.72 0.00	39.29 0.85 0.00	54.79 1.13 0.00	56.78 1.28 0.00	42.85 0.96 0.00	29.70 0.72 0.00	26.65 0.68 0.00	24.39 0.59 0.00	23.96 0.58 0.00	23.39 0.57 0.00	22.66 0.57 0.00	23.53 0.62 0.00	24.80 0.70 0.00	31.59 0.92 0.00	43.30 1.10 0.00	53.63 1.21 0.00	54.28 1.17 0.00	46.25 0.95 0.00	39.62 0.81 0.00	36.14 0.71 0.00
BOONVILLE_115KV_TB1 79983	35.06 0.40 -0.96	33.42 0.45 -0.75	32.91 0.45 0.00	32.69 0.45 0.00	33.44 0.49 0.00	39.18 0.73 0.00	55.11 1.45 0.00	56.89 1.39 0.00	42.60 0.71 0.00	29.21 0.23 0.00	26.03 0.05 0.00	23.77 -0.02 0.00	23.36 -0.02 0.00	22.71 -0.11 0.00	21.98 -0.11 0.00	22.79 -0.11 0.00	24.08 -0.02 0.00	30.80 0.12 0.00	42.80 0.59 0.00	53.58 1.15 0.00	54.34 1.22 0.00	46.30 1.00 0.00	39.51 0.70 0.00	36.00 0.57 0.00
BORALEX_4TH_BRANCH 23824	35.28 1.58 0.00	33.69 1.48 0.00	33.88 1.43 0.00	33.63 1.39 0.00	34.46 1.52 0.00	40.25 1.81 0.00	56.24 2.58 0.00	58.33 2.83 0.00	43.89 2.01 0.00	30.28 1.30 0.00	27.15 1.17 0.00	24.80 1.00 0.00	24.34 0.96 0.00	23.76 0.94 0.00	23.04 0.95 0.00	23.92 1.01 0.00	25.26 1.16 0.00	32.24 1.56 0.00	44.36 2.15 0.00	55.00 2.57 0.00	55.61 2.50 0.00	47.39 2.08 0.00	40.52 1.71 0.00	36.88 1.45 0.00
BOWLINE___1 23526	35.54 1.85 0.00	34.02 1.80 0.00	34.14 1.69 0.00	33.92 1.68 0.00	34.66 1.71 0.00	40.48 2.04 0.00	56.61 2.95 0.00	58.78 3.27 0.00	44.40 2.51 0.00	30.63 1.65 0.00	27.53 1.56 0.00	25.23 1.43 0.00	24.78 1.40 0.00	24.19 1.37 0.00	23.46 1.37 0.00	24.35 1.44 0.00	25.69 1.59 0.00	32.73 2.06 0.00	44.86 2.66 0.00	55.63 3.20 0.00	56.19 3.08 0.00	47.70 2.40 0.00	40.94 2.13 0.00	37.31 1.88 0.00
BOWLINE___2 23595	35.54 1.85 0.00	34.02 1.80 0.00	34.17 1.72 0.00	33.92 1.68 0.00	34.69 1.75 0.00	40.48 2.04 0.00	56.61 2.95 0.00	58.78 3.27 0.00	44.44 2.56 0.00	30.66 1.68 0.00	27.56 1.58 0.00	25.23 1.43 0.00	24.78 1.40 0.00	24.19 1.37 0.00	23.46 1.37 0.00	24.38 1.47 0.00	25.69 1.59 0.00	32.76 2.09 0.00	44.86 2.66 0.00	55.63 3.20 0.00	56.25 3.13 0.00	47.70 2.40 0.00	40.94 2.13 0.00	37.31 1.88 0.00
BRADY___115KV_TB2 356060	36.55 -0.30 -3.16	34.43 -0.26 -2.48	32.26 -0.19 0.00	32.15 -0.10 0.00	32.82 -0.13 0.00	38.18 -0.27 0.00	53.02 -0.64 0.00	54.67 -0.83 0.00	41.21 -0.67 0.00	28.34 -0.64 0.00	25.35 -0.62 0.00	23.18 -0.62 0.00	22.84 -0.54 0.00	22.23 -0.59 0.00	21.45 -0.64 0.00	22.27 -0.64 0.00	23.50 -0.60 0.00	30.06 -0.61 0.00	41.70 -0.51 0.00	51.90 -0.52 0.00	52.74 -0.37 0.00	45.39 0.09 0.00	38.89 0.08 0.00	35.54 0.11 0.00
BRANSCOMB___SOLAR 323811	35.31 1.62 0.00	33.73 1.51 0.00	33.95 1.49 0.00	33.73 1.48 0.00	34.73 1.78 0.00	40.71 2.27 0.00	57.10 3.44 0.00	59.00 3.50 0.00	44.19 2.30 0.00	30.28 1.31 0.00	26.96 0.99 0.00	24.63 0.83 0.00	24.13 0.75 0.00	23.48 0.66 0.00	22.73 0.64 0.00	23.62 0.71 0.00	25.02 0.92 0.00	31.93 1.26 0.00	44.19 1.98 0.00	55.10 2.67 0.00	56.14 3.03 0.00	47.75 2.44 0.00	40.71 1.90 0.00	37.13 1.70 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	36.12 2.43 0.00	34.53 2.32 0.00	34.63 2.17 0.00	34.14 1.90 0.00	34.86 1.91 0.00	41.06 2.61 0.00	56.61 2.95 0.00	59.05 3.55 0.00	46.30 3.81 -0.60	32.61 2.58 -1.06	29.49 2.39 -1.13	27.28 2.24 -1.24	26.67 2.17 -1.12	26.08 2.12 -1.14	25.54 2.12 -1.33	26.45 2.29 -1.25	27.78 2.46 -1.22	34.88 3.16 -1.04	46.75 4.09 -0.45	57.68 5.03 -0.22	58.21 4.94 -0.16	49.33 4.03 0.00	42.33 3.42 -0.11	37.49 2.06 0.00



BRISTLHL_115KV_TB1 79998	33.15 -0.54 0.00	31.66 -0.55 0.00	31.90 -0.55 0.00	31.69 -0.55 0.00	32.42 -0.53 0.00	37.83 -0.62 0.00	52.91 -0.75 0.00	54.67 -0.83 0.00	41.17 -0.71 0.00	28.54 -0.43 0.00	25.53 -0.44 0.00	23.39 -0.40 0.00	22.98 -0.40 0.00	22.46 -0.37 0.00	21.71 -0.38 0.00	22.50 -0.41 0.00	23.59 -0.51 0.00	29.97 -0.71 0.00	41.32 -0.89 0.00	51.43 -1.00 0.00	52.10 -1.01 0.00	44.40 -0.91 0.00	37.96 -0.85 0.00	34.65 -0.78 0.00
BROOKHAVEN___DRP 24191	35.48 1.79 0.00	34.02 1.80 0.00	34.11 1.66 0.00	33.53 1.29 0.00	34.20 1.25 0.00	40.33 1.88 0.00	55.64 1.99 0.00	58.05 2.55 0.00	45.44 2.97 -0.58	31.99 2.00 -1.02	28.98 1.92 -1.08	26.88 1.88 -1.20	26.28 1.82 -1.08	25.70 1.78 -1.09	25.14 1.77 -1.28	26.13 2.02 -1.21	27.42 2.14 -1.17	34.41 2.73 -1.01	45.93 3.29 -0.44	56.78 4.14 -0.21	57.30 4.04 -0.15	48.56 3.26 0.00	41.63 2.72 -0.10	36.85 1.42 0.00
BROOKLYN_NAVY_YARD 23515	36.35 2.66 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.63 2.39 0.00	35.29 2.34 0.00	41.29 2.84 0.00	57.80 4.13 0.00	60.11 4.60 0.00	55.69 3.56 -10.25	49.16 2.35 -17.84	47.18 2.18 -19.02	46.75 1.97 -20.98	44.23 1.96 -18.89	43.89 1.89 -19.17	46.45 1.90 -22.47	46.06 2.02 -21.13	46.86 2.19 -20.57	51.14 2.82 -17.64	53.72 3.75 -7.76	60.80 4.56 -3.81	60.44 4.51 -2.82	48.95 3.58 -0.07	43.88 3.11 -1.97	38.05 2.62 0.00
BROOKLYN___ARMY_DRP 323595	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89
BROOKVLE_69_KV_TB1 55790	36.25 2.56 0.00	34.63 2.42 0.00	34.72 2.27 0.00	34.40 2.16 0.00	35.09 2.14 0.00	41.18 2.73 0.00	57.20 3.54 0.00	59.60 4.11 0.00	47.15 3.85 -1.42	34.06 2.61 -2.48	31.04 2.42 -2.64	28.93 2.21 -2.92	28.16 2.15 -2.63	27.59 2.10 -2.66	27.31 2.10 -3.13	28.05 2.20 -2.94	29.35 2.39 -2.86	36.16 3.04 -2.45	47.24 3.97 -1.07	57.72 4.77 -0.52	58.17 4.67 -0.38	49.15 3.85 0.00	42.41 3.34 -0.26	37.77 2.34 0.00
BROOME_2_LFGE 323671	34.20 0.51 0.00	32.66 0.45 0.00	32.97 0.52 0.00	32.69 0.45 0.00	33.51 0.56 0.00	39.10 0.65 0.00	54.74 1.07 0.00	56.34 0.83 0.00	42.51 0.63 0.00	29.24 0.26 0.00	26.11 0.13 0.00	23.99 0.19 0.00	23.52 0.14 0.00	23.03 0.20 0.00	22.29 0.20 0.00	23.07 0.16 0.00	24.17 0.07 0.00	30.76 0.09 0.00	42.54 0.34 0.00	52.95 0.52 0.00	53.59 0.48 0.00	45.66 0.36 0.00	39.12 0.31 0.00	35.89 0.46 0.00
BROOME___LFGE 323600	34.20 0.51 0.00	32.66 0.45 0.00	32.97 0.52 0.00	32.69 0.45 0.00	33.51 0.56 0.00	39.10 0.65 0.00	54.74 1.07 0.00	56.34 0.83 0.00	42.51 0.63 0.00	29.24 0.26 0.00	26.11 0.13 0.00	23.99 0.19 0.00	23.52 0.14 0.00	23.03 0.20 0.00	22.29 0.20 0.00	23.07 0.16 0.00	24.17 0.07 0.00	30.76 0.09 0.00	42.54 0.34 0.00	52.95 0.52 0.00	53.59 0.48 0.00	45.66 0.36 0.00	39.12 0.31 0.00	35.89 0.46 0.00
BROWNFLS_115KV_TB_3_5 80003	37.17 -0.94 -4.42	34.87 -0.81 -3.46	31.67 -0.78 0.00	31.53 -0.71 0.00	32.22 -0.72 0.00	37.68 -0.77 0.00	52.75 -0.91 0.00	54.39 -1.11 0.00	40.75 -1.13 0.00	27.96 -1.01 0.00	24.94 -1.04 0.00	22.75 -1.05 0.00	22.40 -0.98 0.00	21.75 -1.07 0.00	21.01 -1.08 0.00	21.81 -1.10 0.00	23.02 -1.08 0.00	29.51 -1.17 0.00	41.11 -1.10 0.00	51.43 -1.00 0.00	52.26 -0.85 0.00	44.76 -0.54 0.00	38.23 -0.58 0.00	34.86 -0.57 0.00
BROWNSV1_27_KV_LOAD 356125	36.52 2.83 0.00	34.89 2.67 0.00	35.02 2.56 0.00	34.72 2.48 0.00	35.35 2.41 0.00	41.48 3.04 0.00	58.12 4.45 0.00	60.39 4.88 0.00	55.86 3.73 -10.25	49.31 2.49 -17.84	47.30 2.31 -19.02	46.87 2.09 -20.98	44.33 2.06 -18.89	44.00 2.01 -19.17	46.54 1.99 -22.47	46.15 2.11 -21.13	46.96 2.29 -20.57	51.29 2.98 -17.64	53.93 3.97 -7.76	61.06 4.82 -3.81	60.66 4.73 -2.82	49.18 3.81 -0.07	44.07 3.30 -1.97	38.20 2.76 0.00
BURROWS___LYONSDAL 23803	35.12 0.17 -1.26	33.42 0.23 -0.98	32.68 0.23 0.00	32.50 0.26 0.00	33.21 0.26 0.00	38.95 0.50 0.00	54.79 1.13 0.00	56.56 1.05 0.00	42.30 0.42 0.00	28.98 0.00 0.00	25.82 -0.16 0.00	23.56 -0.24 0.00	23.15 -0.23 0.00	22.50 -0.32 0.00	21.78 -0.31 0.00	22.59 -0.32 0.00	23.86 -0.24 0.00	30.55 -0.12 0.00	42.54 0.34 0.00	53.27 0.84 0.00	54.02 0.90 0.00	46.07 0.77 0.00	39.27 0.47 0.00	35.82 0.39 0.00
CAITHNESS_CC_1 323624	35.54 1.85 0.00	34.05 1.84 0.00	34.14 1.69 0.00	33.92 1.68 0.00	34.66 1.71 0.00	40.41 1.96 0.00	55.81 2.15 0.00	58.22 2.72 0.00	45.61 3.14 -0.58	32.05 2.06 -1.02	29.03 1.97 -1.08	26.90 1.90 -1.20	26.30 1.85 -1.08	25.72 1.80 -1.09	25.18 1.81 -1.28	26.15 2.04 -1.20	27.42 2.14 -1.17	34.44 2.76 -1.00	46.02 3.38 -0.44	56.94 4.30 -0.21	57.46 4.19 -0.15	48.56 3.26 0.00	41.67 2.76 -0.10	37.03 1.60 0.00
CALPINE BETH_PAGE_GT4 24209	35.98 2.29 0.00	34.37 2.16 0.00	34.46 2.01 0.00	34.08 1.84 0.00	34.76 1.81 0.00	40.87 2.42 0.00	56.45 2.79 0.00	58.94 3.44 0.00	46.51 3.73 -0.90	33.16 2.61 -1.58	30.13 2.47 -1.68	27.92 2.26 -1.86	27.27 2.22 -1.67	26.69 2.17 -1.70	26.24 2.16 -1.99	27.07 2.29 -1.87	28.38 2.46 -1.82	35.27 3.04 -1.56	46.60 3.71 -0.68	57.27 4.51 -0.33	57.81 4.46 -0.24	48.88 3.58 0.00	42.12 3.14 -0.16	37.31 1.88 0.00
CALPINE_BETH_PAGE_GT_4 323586	35.98 2.29 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.55 2.90 0.00	59.00 3.50 0.00	46.56 3.77 -0.90	33.16 2.61 -1.58	30.13 2.47 -1.68	27.92 2.26 -1.86	27.25 2.20 -1.67	26.69 2.17 -1.70	26.24 2.17 -1.99	27.07 2.29 -1.87	28.35 2.43 -1.82	35.27 3.04 -1.56	46.60 3.71 -0.68	57.27 4.51 -0.33	57.82 4.46 -0.24	48.83 3.54 0.00	42.08 3.11 -0.16	37.41 1.98 0.00
CALPINE_BP_GT1 23823	35.98 2.29 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.91 2.46 0.00	56.55 2.90 0.00	59.00 3.50 0.00	46.56 3.77 -0.90	33.16 2.61 -1.58	30.13 2.47 -1.68	27.92 2.26 -1.86	27.25 2.20 -1.67	26.69 2.17 -1.70	26.24 2.17 -1.99	27.07 2.29 -1.87	28.35 2.43 -1.82	35.27 3.04 -1.56	46.60 3.71 -0.68	57.27 4.51 -0.33	57.82 4.46 -0.24	48.83 3.54 0.00	42.08 3.11 -0.16	37.41 1.98 0.00
CALSPAN___DRP 24200	33.32 -0.37 0.00	31.60 -0.61 0.00	32.42 -0.03 0.00	32.02 -0.23 0.00	32.95 0.00 0.00	38.29 -0.15 0.00	53.23 -0.43 0.00	54.06 -1.44 0.00	41.13 -0.75 0.00	28.16 -0.81 0.00	25.22 -0.75 0.00	23.49 -0.31 0.00	22.84 -0.54 0.00	22.69 -0.14 0.00	22.02 -0.07 0.00	22.59 -0.32 0.00	23.21 -0.89 0.00	29.14 -1.53 0.00	40.68 -1.52 0.00	50.59 -1.84 0.00	51.41 -1.70 0.00	43.99 -1.31 0.00	37.76 -1.05 0.00	35.18 -0.25 0.00



CALVERTON___SOLAR 323806	35.44 1.75 0.00	34.02 1.80 0.00	34.07 1.62 0.00	33.89 1.64 0.00	34.63 1.68 0.00	40.29 1.85 0.00	55.70 2.04 0.00	58.11 2.61 0.00	45.44 2.97 -0.58	31.93 1.94 -1.02	28.93 1.87 -1.08	26.83 1.83 -1.20	26.23 1.78 -1.08	25.65 1.73 -1.09	25.09 1.72 -1.28	26.11 1.99 -1.21	27.37 2.10 -1.17	34.38 2.70 -1.01	45.89 3.25 -0.44	56.83 4.20 -0.21	57.36 4.09 -0.15	48.47 3.17 0.00	41.55 2.64 -0.10	36.92 1.49 0.00
CANDIGU_WT_PWR 323617	33.59 -0.10 0.00	32.02 -0.19 0.00	32.62 0.16 0.00	32.24 0.00 0.00	33.15 0.20 0.00	38.79 0.35 0.00	54.25 0.59 0.00	55.28 -0.22 0.00	41.63 -0.25 0.00	28.42 -0.55 0.00	25.33 -0.65 0.00	23.42 -0.38 0.00	22.89 -0.49 0.00	22.59 -0.23 0.00	21.87 -0.22 0.00	22.52 -0.39 0.00	23.45 -0.65 0.00	29.72 -0.95 0.00	41.61 -0.59 0.00	52.06 -0.36 0.00	52.85 -0.26 0.00	45.12 -0.18 0.00	38.69 -0.12 0.00	35.68 0.25 0.00
CARR STREET_E_SYR 24060	33.52 -0.17 0.00	32.02 -0.19 0.00	32.26 -0.19 0.00	32.05 -0.19 0.00	32.75 -0.20 0.00	38.26 -0.19 0.00	53.56 -0.11 0.00	55.28 -0.22 0.00	41.72 -0.17 0.00	28.86 -0.12 0.00	25.82 -0.15 0.00	23.68 -0.12 0.00	23.26 -0.12 0.00	22.75 -0.07 0.00	21.98 -0.11 0.00	22.79 -0.11 0.00	23.88 -0.22 0.00	30.34 -0.34 0.00	41.82 -0.38 0.00	52.01 -0.42 0.00	52.69 -0.43 0.00	44.89 -0.41 0.00	38.42 -0.39 0.00	35.04 -0.39 0.00
CARTHAGE___PAPER 23857	35.35 -0.34 -1.99	33.51 -0.26 -1.56	32.23 -0.23 0.00	32.05 -0.19 0.00	32.78 -0.16 0.00	38.48 0.04 0.00	54.25 0.59 0.00	55.84 0.34 0.00	41.51 -0.38 0.00	28.34 -0.64 0.00	25.20 -0.78 0.00	22.96 -0.83 0.00	22.56 -0.82 0.00	21.89 -0.94 0.00	21.18 -0.91 0.00	21.97 -0.94 0.00	23.23 -0.87 0.00	29.81 -0.86 0.00	41.82 -0.38 0.00	52.69 0.26 0.00	53.49 0.37 0.00	45.66 0.36 0.00	38.81 0.00 0.00	35.36 -0.07 0.00
CASSADAGA_WT_PWR 323784	34.37 0.67 0.00	32.76 0.55 0.00	33.65 1.20 0.00	33.18 0.94 0.00	34.17 1.22 0.00	39.94 1.50 0.00	55.97 2.31 0.00	56.83 1.33 0.00	43.35 1.47 0.00	29.44 0.46 0.00	26.31 0.34 0.00	24.44 0.64 0.00	23.73 0.35 0.00	23.51 0.68 0.00	22.77 0.69 0.00	23.39 0.48 0.00	24.22 0.12 0.00	30.52 -0.15 0.00	42.71 0.51 0.00	53.06 0.63 0.00	53.86 0.74 0.00	45.94 0.63 0.00	39.20 0.39 0.00	36.10 0.67 0.00
CE_DUNWOOD___DRP 24194	35.88 2.19 0.00	34.34 2.13 0.00	34.46 2.01 0.00	34.21 1.97 0.00	34.89 1.94 0.00	40.83 2.38 0.00	57.15 3.49 0.00	59.39 3.89 0.00	45.20 2.93 -0.39	31.59 1.94 -0.68	28.52 1.82 -0.72	26.24 1.64 -0.80	25.71 1.61 -0.72	25.12 1.57 -0.73	24.51 1.57 -0.85	25.38 1.67 -0.80	26.74 1.86 -0.78	33.73 2.39 -0.67	45.62 3.12 -0.29	56.35 3.77 -0.14	56.89 3.66 -0.11	48.25 2.94 0.00	41.41 2.52 -0.07	37.59 2.16 0.00
CE_MILLWOOD___DRP 24193	35.78 2.09 0.00	34.24 2.03 0.00	34.40 1.95 0.00	34.11 1.87 0.00	34.79 1.85 0.00	40.75 2.31 0.00	56.99 3.33 0.00	59.22 3.72 0.00	45.00 2.81 -0.31	31.37 1.85 -0.54	28.30 1.74 -0.58	26.01 1.57 -0.64	25.50 1.54 -0.58	24.91 1.51 -0.58	24.27 1.50 -0.68	25.15 1.60 -0.64	26.51 1.78 -0.63	33.48 2.27 -0.54	45.44 3.00 -0.24	56.16 3.62 -0.12	56.70 3.51 -0.09	48.11 2.81 0.00	41.27 2.41 -0.06	37.49 2.06 0.00
CE_NYC2_DRP 24202	37.95 2.76 -1.50	34.86 2.61 -0.04	34.99 2.53 -0.01	34.70 2.45 -0.01	35.36 2.41 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.72 -0.01	57.97 3.60 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.40 2.05 -25.56	51.38 1.99 -26.01	51.40 1.96 -26.62	51.40 1.94 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	55.02 2.85 -21.50	58.54 3.80 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.25 3.14 -8.30	39.47 2.69 -1.35
CE_NYC_DRP 24195	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.53 2.29 0.00	35.19 2.24 0.00	41.25 2.81 0.00	57.75 4.08 0.00	60.00 4.50 0.00	54.98 3.43 -9.66	48.09 2.29 -16.82	46.04 2.13 -17.93	45.53 1.95 -19.78	43.11 1.92 -17.81	42.77 1.87 -18.08	45.13 1.86 -21.18	44.80 1.97 -19.93	45.64 2.14 -19.40	50.07 2.76 -16.64	53.19 3.67 -7.31	60.43 4.40 -3.59	60.12 4.36 -2.66	48.85 3.49 -0.06	43.69 3.03 -1.85	37.98 2.55 0.00
CHAFFEE___LFGE 323603	33.76 0.07 0.00	32.18 -0.03 0.00	32.94 0.49 0.00	32.50 0.26 0.00	33.47 0.53 0.00	39.06 0.61 0.00	54.57 0.91 0.00	55.06 -0.45 0.00	41.88 0.00 0.00	28.42 -0.55 0.00	25.40 -0.57 0.00	23.58 -0.21 0.00	22.93 -0.44 0.00	22.73 -0.09 0.00	22.02 -0.07 0.00	22.61 -0.30 0.00	23.43 -0.67 0.00	29.51 -1.17 0.00	41.11 -1.10 0.00	51.17 -1.26 0.00	51.89 -1.22 0.00	44.26 -1.04 0.00	38.11 -0.70 0.00	35.71 0.28 0.00
CHATEAUG_35_KV_LOAD 355732	-9.87 -1.65 41.92	-2.12 -1.51 32.82	30.99 -1.46 0.00	30.95 -1.29 0.00	31.60 -1.35 0.00	36.72 -1.73 0.00	51.19 -2.47 0.00	52.89 -2.61 0.00	39.87 -2.01 0.00	27.58 -1.39 0.00	24.73 -1.25 0.00	22.63 -1.17 0.00	22.33 -1.05 0.00	21.70 -1.12 0.00	20.94 -1.15 0.00	21.74 -1.17 0.00	22.97 -1.13 0.00	29.42 -1.26 0.00	40.81 -1.39 0.00	51.22 -1.21 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.34 -0.47 0.00	35.18 -0.25 0.00
CHATEAUG_WT_PWR 323614	-6.82 -1.62 38.89	0.28 -1.48 30.45	31.03 -1.43 0.00	30.98 -1.26 0.00	31.63 -1.32 0.00	36.76 -1.69 0.00	51.19 -2.47 0.00	52.95 -2.55 0.00	39.87 -2.01 0.00	27.64 -1.33 0.00	24.78 -1.19 0.00	22.70 -1.09 0.00	22.37 -1.00 0.00	21.75 -1.07 0.00	20.98 -1.10 0.00	21.79 -1.12 0.00	22.99 -1.11 0.00	29.44 -1.23 0.00	40.81 -1.39 0.00	51.17 -1.26 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.34 -0.46 0.00	35.19 -0.25 0.00
CHAT_HIGH_FALL_HYD 323578	-9.87 -1.65 41.92	-2.12 -1.51 32.82	30.99 -1.46 0.00	30.95 -1.29 0.00	31.60 -1.35 0.00	36.72 -1.73 0.00	51.19 -2.47 0.00	52.89 -2.61 0.00	39.87 -2.01 0.00	27.58 -1.39 0.00	24.73 -1.25 0.00	22.63 -1.17 0.00	22.33 -1.05 0.00	21.70 -1.12 0.00	20.94 -1.15 0.00	21.74 -1.17 0.00	22.97 -1.13 0.00	29.42 -1.26 0.00	40.81 -1.39 0.00	51.22 -1.21 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.34 -0.47 0.00	35.18 -0.25 0.00
CHAUTAUQUA___LFGE 323629	34.23 0.54 0.00	32.57 0.35 0.00	33.43 0.97 0.00	32.92 0.68 0.00	33.87 0.92 0.00	39.60 1.15 0.00	55.33 1.67 0.00	56.17 0.67 0.00	42.76 0.88 0.00	29.09 0.12 0.00	26.03 0.05 0.00	24.18 0.38 0.00	23.50 0.12 0.00	23.32 0.50 0.00	22.60 0.51 0.00	23.20 0.30 0.00	24.00 -0.10 0.00	30.18 -0.49 0.00	42.16 -0.04 0.00	52.43 0.00 0.00	53.17 0.05 0.00	45.39 0.09 0.00	38.89 0.08 0.00	35.96 0.53 0.00
CHERRYST_13_KV_LD 356241	36.39 2.70 0.00	34.76 2.54 0.00	34.92 2.47 0.00	34.63 2.39 0.00	35.26 2.31 0.00	41.33 2.88 0.00	57.91 4.24 0.00	60.22 4.72 0.00	55.21 3.60 -9.72	48.31 2.40 -16.93	46.25 2.23 -18.04	45.72 2.02 -19.90	43.29 1.99 -17.92	42.95 1.94 -18.19	45.34 1.94 -21.31	44.99 2.04 -20.05	45.83 2.22 -19.52	50.26 2.85 -16.74	53.36 3.80 -7.36	60.66 4.61 -3.61	60.30 4.51 -2.67	48.99 3.62 -0.07	43.78 3.10 -1.87	38.05 2.62 0.00



CHESTROR_138KV_BK263 355645	35.28 1.58 0.00	33.76 1.55 0.00	33.91 1.46 0.00	33.66 1.42 0.00	34.37 1.42 0.00	40.18 1.73 0.00	56.19 2.52 0.00	58.28 2.78 0.00	43.98 2.09 0.00	30.37 1.39 0.00	27.28 1.30 0.00	24.99 1.19 0.00	24.55 1.17 0.00	23.96 1.14 0.00	23.24 1.15 0.00	24.14 1.24 0.00	25.43 1.33 0.00	32.39 1.72 0.00	44.44 2.24 0.00	55.10 2.67 0.00	55.72 2.60 0.00	47.34 2.04 0.00	40.59 1.79 0.00	36.99 1.56 0.00
CH_MIDHUDSON___DRP 24192	35.55 1.85 0.00	34.02 1.80 0.00	34.17 1.72 0.00	33.92 1.68 0.00	34.63 1.68 0.00	40.52 2.08 0.00	56.67 3.01 0.00	58.78 3.27 0.00	44.36 2.47 0.00	30.60 1.62 0.00	27.51 1.53 0.00	25.16 1.36 0.00	24.71 1.33 0.00	24.12 1.30 0.00	23.41 1.33 0.00	24.33 1.42 0.00	25.67 1.57 0.00	32.70 2.02 0.00	44.86 2.66 0.00	55.63 3.20 0.00	56.25 3.13 0.00	47.75 2.45 0.00	40.94 2.13 0.00	37.24 1.81 0.00
CH_MISC_IPPS 23765	35.68 1.99 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.08 1.84 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.99 3.33 0.00	59.06 3.56 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.59 1.61 0.00	25.20 1.40 0.00	24.76 1.38 0.00	24.19 1.37 0.00	23.46 1.37 0.00	24.38 1.47 0.00	25.72 1.61 0.00	32.76 2.09 0.00	45.08 2.87 0.00	55.89 3.46 0.00	56.52 3.40 0.00	47.93 2.63 0.00	41.10 2.29 0.00	37.45 2.02 0.00
CH_RES_BVR_FALLS 23983	33.02 -0.67 0.00	31.63 -0.58 0.00	31.90 -0.55 0.00	31.72 -0.52 0.00	32.42 -0.53 0.00	37.76 -0.69 0.00	52.64 -1.02 0.00	54.45 -1.06 0.00	41.09 -0.80 0.00	28.42 -0.55 0.00	25.48 -0.49 0.00	23.32 -0.48 0.00	22.93 -0.44 0.00	22.34 -0.48 0.00	21.58 -0.51 0.00	22.38 -0.53 0.00	23.57 -0.53 0.00	30.06 -0.61 0.00	41.49 -0.72 0.00	51.59 -0.84 0.00	52.26 -0.85 0.00	44.71 -0.59 0.00	38.34 -0.46 0.00	35.04 -0.39 0.00
CH_RES_NIAGARA 23895	32.34 -1.35 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.95 -1.29 0.00	31.83 -1.12 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.12 -3.39 0.00	39.75 -2.14 0.00	27.32 -1.65 0.00	24.50 -1.48 0.00	22.87 -0.93 0.00	22.23 -1.15 0.00	22.14 -0.68 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.61 -1.49 0.00	28.28 -2.39 0.00	39.33 -2.87 0.00	48.76 -3.67 0.00	49.55 -3.56 0.00	42.45 -2.85 0.00	36.56 -2.25 0.00	34.05 -1.38 0.00
CH_RES_SYRACUSE 23985	33.73 0.03 0.00	32.21 0.00 0.00	32.45 0.00 0.00	32.24 0.00 0.00	32.95 0.00 0.00	38.48 0.04 0.00	53.88 0.22 0.00	55.61 0.11 0.00	41.93 0.04 0.00	29.00 0.03 0.00	25.92 -0.05 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.82 0.00 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.04 -0.17 0.00	52.32 -0.10 0.00	53.01 -0.11 0.00	45.17 -0.14 0.00	38.62 -0.19 0.00	35.26 -0.18 0.00
CLINTON_WT_PWR 323605	-6.82 -1.62 38.89	0.28 -1.48 30.45	31.03 -1.43 0.00	30.98 -1.26 0.00	31.63 -1.32 0.00	36.76 -1.69 0.00	51.19 -2.47 0.00	52.95 -2.55 0.00	39.87 -2.01 0.00	27.64 -1.33 0.00	24.78 -1.19 0.00	22.70 -1.09 0.00	22.37 -1.00 0.00	21.75 -1.07 0.00	20.98 -1.10 0.00	21.79 -1.12 0.00	22.99 -1.11 0.00	29.44 -1.23 0.00	40.81 -1.39 0.00	51.17 -1.26 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.34 -0.46 0.00	35.19 -0.25 0.00
CLINTON___LFGE 323618	-7.11 -1.11 39.69	0.01 -1.13 31.07	31.38 -1.07 0.00	31.34 -0.90 0.00	31.99 -0.96 0.00	37.14 -1.31 0.00	51.84 -1.82 0.00	53.67 -1.83 0.00	40.34 -1.55 0.00	27.90 -1.07 0.00	25.02 -0.96 0.00	22.89 -0.90 0.00	22.61 -0.77 0.00	21.98 -0.84 0.00	21.16 -0.93 0.00	21.99 -0.92 0.00	23.21 -0.89 0.00	29.72 -0.95 0.00	41.32 -0.89 0.00	51.90 -0.52 0.00	52.90 -0.21 0.00	45.21 -0.09 0.00	38.89 0.08 0.00	35.61 0.18 0.00
COBBLENY_34_KV_TB1 80064	33.79 0.10 0.00	32.18 -0.03 0.00	32.94 0.49 0.00	32.60 0.35 0.00	33.61 0.66 0.00	39.06 0.62 0.00	54.57 0.91 0.00	55.11 -0.39 0.00	41.84 -0.04 0.00	28.42 -0.55 0.00	25.40 -0.57 0.00	23.58 -0.21 0.00	22.94 -0.44 0.00	22.73 -0.09 0.00	22.04 -0.04 0.00	22.61 -0.30 0.00	23.35 -0.75 0.00	29.51 -1.17 0.00	41.15 -1.06 0.00	51.22 -1.21 0.00	51.94 -1.17 0.00	44.26 -1.04 0.00	38.07 -0.74 0.00	35.82 0.39 0.00
COFFEEN___115KV_TB3 355620	35.47 0.13 -1.65	33.63 0.13 -1.29	32.61 0.16 0.00	32.44 0.19 0.00	33.18 0.23 0.00	38.95 0.50 0.00	55.11 1.45 0.00	56.61 1.11 0.00	41.88 0.00 0.00	28.54 -0.43 0.00	25.35 -0.62 0.00	23.06 -0.74 0.00	22.65 -0.72 0.00	21.98 -0.84 0.00	21.27 -0.82 0.00	22.08 -0.82 0.00	23.33 -0.77 0.00	29.97 -0.71 0.00	42.16 -0.04 0.00	53.32 0.89 0.00	54.18 1.06 0.00	46.16 0.86 0.00	39.20 0.39 0.00	35.68 0.25 0.00
COLDSPRG_115KV_BK1 355956	34.70 1.01 0.00	33.05 0.84 0.00	33.91 1.46 0.00	33.60 1.35 0.00	34.63 1.68 0.00	40.29 1.85 0.00	56.45 2.79 0.00	57.22 1.72 0.00	43.48 1.59 0.00	29.50 0.52 0.00	26.34 0.36 0.00	24.44 0.64 0.00	23.75 0.37 0.00	23.55 0.73 0.00	22.82 0.73 0.00	23.39 0.48 0.00	24.12 0.02 0.00	30.52 -0.15 0.00	42.71 0.51 0.00	53.16 0.73 0.00	53.96 0.85 0.00	46.03 0.72 0.00	39.35 0.54 0.00	36.67 1.24 0.00
COLONIE_LFGE___ 323577	35.01 1.31 0.00	33.44 1.22 0.00	33.65 1.20 0.00	33.40 1.16 0.00	34.23 1.28 0.00	40.06 1.61 0.00	56.02 2.36 0.00	58.00 2.50 0.00	43.60 1.72 0.00	30.05 1.07 0.00	26.89 0.91 0.00	24.58 0.78 0.00	24.13 0.75 0.00	23.53 0.71 0.00	22.79 0.71 0.00	23.66 0.75 0.00	24.99 0.89 0.00	31.90 1.23 0.00	43.94 1.73 0.00	54.58 2.15 0.00	55.29 2.18 0.00	47.12 1.81 0.00	40.25 1.44 0.00	36.71 1.27 0.00
COOPERNY_115KV_TB1 80082	34.87 1.18 0.00	33.37 1.16 0.00	33.56 1.10 0.00	33.31 1.06 0.00	34.04 1.09 0.00	39.75 1.31 0.00	55.59 1.93 0.00	57.61 2.11 0.00	43.48 1.59 0.00	30.02 1.04 0.00	26.94 0.96 0.00	24.70 0.90 0.00	24.24 0.87 0.00	23.67 0.84 0.00	22.95 0.86 0.00	23.82 0.92 0.00	25.06 0.96 0.00	31.93 1.26 0.00	43.85 1.65 0.00	54.42 1.99 0.00	55.03 1.91 0.00	46.84 1.54 0.00	40.17 1.36 0.00	36.60 1.17 0.00
COPENHAGEN_WT_PWR 323753	35.14 -0.10 -1.55	33.33 -0.10 -1.22	32.39 -0.06 0.00	32.18 -0.06 0.00	32.92 -0.03 0.00	38.64 0.19 0.00	54.52 0.86 0.00	56.06 0.55 0.00	41.63 -0.25 0.00	28.45 -0.52 0.00	25.30 -0.68 0.00	23.06 -0.74 0.00	22.65 -0.72 0.00	22.00 -0.82 0.00	21.29 -0.79 0.00	22.08 -0.82 0.00	23.31 -0.79 0.00	29.87 -0.80 0.00	41.87 -0.34 0.00	52.80 0.37 0.00	53.64 0.53 0.00	45.71 0.41 0.00	38.89 0.08 0.00	35.40 -0.04 0.00
CORNELL_____ 23752	34.60 0.91 0.00	33.02 0.81 0.00	33.30 0.84 0.00	33.11 0.87 0.00	33.87 0.92 0.00	39.60 1.15 0.00	55.54 1.88 0.00	56.89 1.39 0.00	42.85 0.96 0.00	29.47 0.49 0.00	26.26 0.29 0.00	24.06 0.26 0.00	23.64 0.26 0.00	23.10 0.27 0.00	22.31 0.22 0.00	23.14 0.23 0.00	24.27 0.17 0.00	30.98 0.31 0.00	43.05 0.84 0.00	53.79 1.36 0.00	54.49 1.38 0.00	46.39 1.09 0.00	39.66 0.85 0.00	36.25 0.81 0.00



CORONA V_69_KV_TB1 355595	36.22 2.53 0.00	34.60 2.38 0.00	34.69 2.24 0.00	34.31 2.06 0.00	34.99 2.04 0.00	41.14 2.69 0.00	56.88 3.22 0.00	59.33 3.83 0.00	47.56 4.06 -1.62	34.58 2.78 -2.83	31.51 2.52 -3.01	29.43 2.31 -3.33	28.62 2.24 -2.99	28.05 2.19 -3.04	27.86 2.21 -3.56	28.55 2.29 -3.35	29.82 2.46 -3.26	36.57 3.10 -2.80	47.52 4.09 -1.22	57.95 4.93 -0.59	58.49 4.94 -0.43	49.28 3.99 0.00	42.64 3.53 -0.30	37.70 2.27 0.00
CORTLAND_115KV_TB3 80093	34.30 0.61 0.00	32.73 0.52 0.00	33.00 0.55 0.00	32.79 0.55 0.00	33.57 0.63 0.00	39.22 0.77 0.00	54.95 1.29 0.00	56.61 1.11 0.00	42.60 0.71 0.00	29.35 0.38 0.00	26.18 0.21 0.00	24.01 0.21 0.00	23.57 0.19 0.00	23.03 0.21 0.00	22.26 0.18 0.00	23.07 0.16 0.00	24.22 0.12 0.00	30.86 0.18 0.00	42.71 0.51 0.00	53.27 0.84 0.00	53.96 0.85 0.00	45.94 0.63 0.00	39.27 0.47 0.00	35.93 0.50 0.00
COXSACKIE__GT 23611	35.34 1.65 0.00	33.92 1.71 0.00	34.11 1.65 0.00	33.89 1.64 0.00	34.69 1.75 0.00	40.56 2.11 0.00	57.05 3.38 0.00	58.55 3.05 0.00	43.85 1.97 0.00	30.34 1.36 0.00	26.96 0.99 0.00	24.51 0.71 0.00	23.99 0.61 0.00	23.41 0.59 0.00	22.71 0.62 0.00	23.62 0.71 0.00	25.02 0.92 0.00	32.11 1.44 0.00	44.82 2.62 0.00	55.15 2.72 0.00	56.03 2.92 0.00	47.52 2.22 0.00	40.67 1.86 0.00	37.20 1.77 0.00
CPV_VALLEY__CC1 323721	35.04 1.35 0.00	33.53 1.32 0.00	33.69 1.23 0.00	33.47 1.22 0.00	34.20 1.25 0.00	39.91 1.46 0.00	55.75 2.09 0.00	57.83 2.33 0.00	43.68 1.80 0.00	30.16 1.19 0.00	27.09 1.12 0.00	24.84 1.05 0.00	24.41 1.03 0.00	23.83 1.00 0.00	23.10 1.02 0.00	24.01 1.10 0.00	25.26 1.16 0.00	32.18 1.50 0.00	44.11 1.90 0.00	54.73 2.30 0.00	55.34 2.23 0.00	46.98 1.68 0.00	40.32 1.51 0.00	36.78 1.35 0.00
CPV_VALLEY__CC2 323722	35.04 1.35 0.00	33.53 1.32 0.00	33.69 1.23 0.00	33.47 1.22 0.00	34.20 1.25 0.00	39.91 1.46 0.00	55.75 2.09 0.00	57.83 2.33 0.00	43.68 1.80 0.00	30.16 1.19 0.00	27.09 1.12 0.00	24.84 1.05 0.00	24.41 1.03 0.00	23.83 1.00 0.00	23.10 1.02 0.00	24.01 1.10 0.00	25.26 1.16 0.00	32.18 1.50 0.00	44.11 1.90 0.00	54.73 2.30 0.00	55.34 2.23 0.00	46.98 1.68 0.00	40.32 1.51 0.00	36.78 1.35 0.00
CRESCENT__HYD 24018	35.01 1.31 0.00	33.44 1.22 0.00	33.65 1.20 0.00	33.40 1.16 0.00	34.23 1.28 0.00	40.06 1.61 0.00	56.02 2.36 0.00	58.00 2.50 0.00	43.60 1.72 0.00	30.05 1.07 0.00	26.89 0.91 0.00	24.58 0.78 0.00	24.13 0.75 0.00	23.53 0.71 0.00	22.79 0.71 0.00	23.66 0.75 0.00	24.99 0.89 0.00	31.90 1.23 0.00	43.94 1.73 0.00	54.58 2.15 0.00	55.29 2.18 0.00	47.12 1.81 0.00	40.25 1.44 0.00	36.71 1.27 0.00
CRICKET__VALLEY_CC1 323756	35.28 1.58 0.00	33.73 1.51 0.00	33.88 1.43 0.00	33.66 1.42 0.00	34.36 1.42 0.00	40.14 1.69 0.00	56.02 2.36 0.00	58.17 2.66 0.00	43.89 2.01 0.00	30.31 1.33 0.00	27.30 1.32 0.00	24.96 1.17 0.00	24.55 1.17 0.00	23.94 1.12 0.00	23.24 1.15 0.00	24.14 1.24 0.00	25.45 1.35 0.00	32.42 1.75 0.00	44.44 2.24 0.00	55.05 2.62 0.00	55.61 2.50 0.00	47.34 2.04 0.00	40.51 1.71 0.00	36.88 1.45 0.00
CRICKET__VALLEY_CC2 323757	35.28 1.58 0.00	33.73 1.51 0.00	33.88 1.43 0.00	33.66 1.42 0.00	34.36 1.42 0.00	40.14 1.69 0.00	56.02 2.36 0.00	58.17 2.66 0.00	43.89 2.01 0.00	30.31 1.33 0.00	27.30 1.32 0.00	24.96 1.17 0.00	24.55 1.17 0.00	23.94 1.12 0.00	23.24 1.15 0.00	24.14 1.24 0.00	25.45 1.35 0.00	32.42 1.75 0.00	44.44 2.24 0.00	55.05 2.62 0.00	55.61 2.50 0.00	47.34 2.04 0.00	40.51 1.71 0.00	36.88 1.45 0.00
CRICKET__VALLEY_CC3 323758	35.28 1.58 0.00	33.73 1.51 0.00	33.88 1.43 0.00	33.66 1.42 0.00	34.36 1.42 0.00	40.14 1.69 0.00	56.02 2.36 0.00	58.17 2.66 0.00	43.89 2.01 0.00	30.31 1.33 0.00	27.30 1.32 0.00	24.96 1.17 0.00	24.55 1.17 0.00	23.94 1.12 0.00	23.24 1.15 0.00	24.14 1.24 0.00	25.45 1.35 0.00	32.42 1.75 0.00	44.44 2.24 0.00	55.05 2.62 0.00	55.61 2.50 0.00	47.34 2.04 0.00	40.51 1.71 0.00	36.88 1.45 0.00
CRUCIBLE_METL_DRP 24180	33.73 0.03 0.00	32.21 0.00 0.00	32.45 0.00 0.00	32.24 0.00 0.00	32.98 0.03 0.00	38.48 0.04 0.00	53.88 0.21 0.00	55.61 0.11 0.00	41.93 0.04 0.00	29.00 0.03 0.00	25.92 -0.05 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.04 -0.17 0.00	52.32 -0.10 0.00	53.01 -0.11 0.00	45.17 -0.14 0.00	38.61 -0.19 0.00	35.25 -0.18 0.00
DAHOWA__HYDRO 323763	35.41 1.72 0.00	33.82 1.61 0.00	34.04 1.59 0.00	33.79 1.55 0.00	34.79 1.84 0.00	40.83 2.38 0.00	57.36 3.70 0.00	59.22 3.72 0.00	44.35 2.47 0.00	30.37 1.39 0.00	27.02 1.04 0.00	24.65 0.86 0.00	24.17 0.80 0.00	23.53 0.71 0.00	22.75 0.66 0.00	23.64 0.73 0.00	25.04 0.94 0.00	31.99 1.32 0.00	44.31 2.11 0.00	55.31 2.88 0.00	56.30 3.19 0.00	47.93 2.63 0.00	40.83 2.02 0.00	37.20 1.77 0.00
DANC__LFGE 323619	34.43 -0.30 -1.04	32.71 -0.32 -0.82	32.16 -0.29 0.00	31.95 -0.29 0.00	32.68 -0.26 0.00	38.29 -0.15 0.00	53.82 0.16 0.00	55.45 -0.06 0.00	41.38 -0.50 0.00	28.42 -0.55 0.00	25.35 -0.62 0.00	23.16 -0.64 0.00	22.75 -0.63 0.00	22.16 -0.66 0.00	21.43 -0.66 0.00	22.20 -0.71 0.00	23.35 -0.75 0.00	29.85 -0.83 0.00	41.57 -0.63 0.00	52.17 -0.26 0.00	52.95 -0.16 0.00	45.12 -0.18 0.00	38.46 -0.35 0.00	35.08 -0.35 0.00
DANSKAMMER__1 23586	35.68 1.99 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.08 1.84 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.99 3.33 0.00	59.06 3.56 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.59 1.61 0.00	25.20 1.40 0.00	24.76 1.38 0.00	24.19 1.37 0.00	23.46 1.37 0.00	24.38 1.47 0.00	25.72 1.61 0.00	32.76 2.09 0.00	45.08 2.87 0.00	55.89 3.46 0.00	56.52 3.40 0.00	47.93 2.63 0.00	41.10 2.29 0.00	37.45 2.02 0.00
DANSKAMMER__2 23589	35.68 1.99 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.08 1.84 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.99 3.33 0.00	59.06 3.56 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.59 1.61 0.00	25.20 1.40 0.00	24.76 1.38 0.00	24.19 1.37 0.00	23.46 1.37 0.00	24.38 1.47 0.00	25.72 1.61 0.00	32.76 2.09 0.00	45.08 2.87 0.00	55.89 3.46 0.00	56.52 3.40 0.00	47.93 2.63 0.00	41.10 2.29 0.00	37.45 2.02 0.00
DANSKAMMER__3 23590	35.68 1.99 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.08 1.84 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.99 3.33 0.00	59.06 3.56 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.59 1.61 0.00	25.20 1.40 0.00	24.76 1.38 0.00	24.19 1.37 0.00	23.46 1.37 0.00	24.38 1.47 0.00	25.72 1.61 0.00	32.76 2.09 0.00	45.08 2.87 0.00	55.89 3.46 0.00	56.52 3.40 0.00	47.93 2.63 0.00	41.10 2.29 0.00	37.45 2.02 0.00



DANSKAMMER___4 23591	35.68 1.99 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.08 1.84 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.99 3.33 0.00	59.06 3.56 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.59 1.61 0.00	25.20 1.40 0.00	24.76 1.38 0.00	24.19 1.37 0.00	23.46 1.37 0.00	24.38 1.47 0.00	25.72 1.61 0.00	32.76 2.09 0.00	45.08 2.87 0.00	55.89 3.46 0.00	56.52 3.40 0.00	47.93 2.63 0.00	41.10 2.29 0.00	37.45 2.02 0.00
DANSKAMMER___DIESEL 23592	35.68 1.99 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.05 1.81 0.00	34.76 1.81 0.00	40.68 2.23 0.00	56.99 3.33 0.00	59.05 3.55 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.59 1.61 0.00	25.23 1.43 0.00	24.76 1.38 0.00	24.19 1.37 0.00	23.46 1.37 0.00	24.40 1.49 0.00	25.74 1.64 0.00	32.76 2.09 0.00	45.07 2.87 0.00	55.89 3.46 0.00	56.51 3.40 0.00	47.93 2.63 0.00	41.10 2.29 0.00	37.42 1.98 0.00
DARBY___SOLAR 323810	35.34 1.65 0.00	33.76 1.55 0.00	33.98 1.53 0.00	33.76 1.52 0.00	34.76 1.81 0.00	40.75 2.31 0.00	57.15 3.49 0.00	59.06 3.56 0.00	44.23 2.34 0.00	30.31 1.33 0.00	26.99 1.01 0.00	24.63 0.83 0.00	24.15 0.77 0.00	23.51 0.68 0.00	22.73 0.64 0.00	23.64 0.73 0.00	25.04 0.94 0.00	31.99 1.32 0.00	44.27 2.07 0.00	55.21 2.78 0.00	56.14 3.03 0.00	47.79 2.49 0.00	40.75 1.94 0.00	37.17 1.74 0.00
DASHVILLE___HYD 23610	35.41 1.72 0.00	33.92 1.71 0.00	34.08 1.62 0.00	33.82 1.58 0.00	34.53 1.58 0.00	40.37 1.92 0.00	56.51 2.84 0.00	58.50 3.00 0.00	44.10 2.22 0.00	30.42 1.45 0.00	27.35 1.38 0.00	25.01 1.21 0.00	24.55 1.17 0.00	23.99 1.16 0.00	23.28 1.19 0.00	24.19 1.28 0.00	25.52 1.42 0.00	32.51 1.84 0.00	44.65 2.45 0.00	55.31 2.88 0.00	55.93 2.82 0.00	47.48 2.17 0.00	40.75 1.94 0.00	37.13 1.70 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	35.34 1.65 0.00	33.95 1.74 0.00	34.01 1.56 0.00	33.40 1.16 0.00	34.07 1.12 0.00	40.21 1.77 0.00	55.64 1.99 0.00	58.05 2.55 0.00	45.35 2.89 -0.58	31.88 1.88 -1.02	28.80 1.74 -1.09	26.73 1.74 -1.20	26.09 1.64 -1.08	25.49 1.57 -1.09	24.94 1.57 -1.28	25.95 1.83 -1.21	27.23 1.95 -1.17	34.19 2.52 -1.01	45.64 3.00 -0.44	56.52 3.88 -0.21	57.04 3.77 -0.15	48.38 3.08 0.00	41.40 2.48 -0.10	36.74 1.31 0.00
DELAWARE___LFGE 323621	34.91 1.21 0.00	33.34 1.13 0.00	33.59 1.14 0.00	33.34 1.10 0.00	34.10 1.15 0.00	39.87 1.42 0.00	55.86 2.20 0.00	57.78 2.28 0.00	43.48 1.59 0.00	29.87 0.90 0.00	26.70 0.73 0.00	24.46 0.67 0.00	24.01 0.63 0.00	23.42 0.59 0.00	22.68 0.60 0.00	23.53 0.62 0.00	24.78 0.67 0.00	31.65 0.98 0.00	43.72 1.52 0.00	54.37 1.94 0.00	55.08 1.97 0.00	46.89 1.59 0.00	40.13 1.32 0.00	36.64 1.20 0.00
DERFIELD_115KV_TB7 355931	33.89 0.20 0.00	32.41 0.19 0.00	32.65 0.19 0.00	32.40 0.16 0.00	33.11 0.16 0.00	38.68 0.23 0.00	54.09 0.43 0.00	55.95 0.44 0.00	42.22 0.34 0.00	29.18 0.20 0.00	26.13 0.16 0.00	23.94 0.14 0.00	23.50 0.12 0.00	22.94 0.11 0.00	22.20 0.11 0.00	23.02 0.11 0.00	24.27 0.17 0.00	30.89 0.21 0.00	42.50 0.30 0.00	52.85 0.42 0.00	53.49 0.37 0.00	45.62 0.32 0.00	39.04 0.23 0.00	35.61 0.18 0.00
DOGLEVILLE___HYD 23807	33.29 -0.40 0.00	31.89 -0.32 0.00	32.19 -0.26 0.00	32.08 -0.16 0.00	32.85 -0.10 0.00	38.52 0.08 0.00	54.04 0.38 0.00	55.94 0.44 0.00	42.01 0.13 0.00	28.83 -0.14 0.00	25.72 -0.26 0.00	23.54 -0.26 0.00	23.12 -0.26 0.00	22.48 -0.34 0.00	21.76 -0.33 0.00	22.56 -0.34 0.00	23.86 -0.24 0.00	30.49 -0.18 0.00	42.37 0.17 0.00	53.06 0.63 0.00	53.96 0.85 0.00	46.21 0.91 0.00	39.63 0.82 0.00	36.28 0.85 0.00
DUNKIRK___115KV_TB_200 55889	34.23 0.54 0.00	32.53 0.32 0.00	33.36 0.91 0.00	33.02 0.77 0.00	34.00 1.05 0.00	39.56 1.11 0.00	55.22 1.56 0.00	56.06 0.56 0.00	42.68 0.80 0.00	29.06 0.09 0.00	26.00 0.03 0.00	24.16 0.36 0.00	23.47 0.09 0.00	23.28 0.46 0.00	22.57 0.49 0.00	23.18 0.27 0.00	23.91 -0.19 0.00	30.15 -0.52 0.00	42.08 -0.13 0.00	52.38 -0.05 0.00	53.17 0.05 0.00	45.30 0.00 0.00	38.77 -0.04 0.00	36.07 0.64 0.00
DUNKIRK___1 23563	34.23 0.54 0.00	32.53 0.32 0.00	33.36 0.91 0.00	33.02 0.77 0.00	34.00 1.05 0.00	39.56 1.11 0.00	55.22 1.56 0.00	56.06 0.56 0.00	42.68 0.80 0.00	29.06 0.09 0.00	26.00 0.03 0.00	24.16 0.36 0.00	23.47 0.09 0.00	23.28 0.46 0.00	22.57 0.49 0.00	23.18 0.27 0.00	23.91 -0.19 0.00	30.15 -0.52 0.00	42.08 -0.13 0.00	52.38 -0.05 0.00	53.17 0.05 0.00	45.30 0.00 0.00	38.77 -0.04 0.00	36.07 0.64 0.00
DUNKIRK___2 23564	34.23 0.54 0.00	32.53 0.32 0.00	33.36 0.91 0.00	33.02 0.77 0.00	34.00 1.05 0.00	39.56 1.11 0.00	55.22 1.56 0.00	56.06 0.56 0.00	42.68 0.80 0.00	29.06 0.09 0.00	26.00 0.03 0.00	24.16 0.36 0.00	23.47 0.09 0.00	23.28 0.46 0.00	22.57 0.49 0.00	23.18 0.27 0.00	23.91 -0.19 0.00	30.15 -0.52 0.00	42.08 -0.13 0.00	52.38 -0.05 0.00	53.17 0.05 0.00	45.30 0.00 0.00	38.77 -0.04 0.00	36.07 0.64 0.00
DUNKIRK___3 23565	34.00 0.30 0.00	32.28 0.06 0.00	33.10 0.65 0.00	32.73 0.48 0.00	33.71 0.76 0.00	39.22 0.77 0.00	54.63 0.97 0.00	55.50 0.00 0.00	42.26 0.38 0.00	28.80 -0.17 0.00	25.77 -0.21 0.00	23.94 0.14 0.00	23.29 -0.09 0.00	23.10 0.27 0.00	22.40 0.31 0.00	23.00 0.09 0.00	23.71 -0.39 0.00	29.88 -0.80 0.00	41.70 -0.51 0.00	51.85 -0.58 0.00	52.64 -0.48 0.00	44.89 -0.41 0.00	38.46 -0.35 0.00	35.86 0.43 0.00
DUNKIRK___4 23566	34.00 0.30 0.00	32.28 0.06 0.00	33.10 0.65 0.00	32.73 0.48 0.00	33.71 0.76 0.00	39.22 0.77 0.00	54.63 0.97 0.00	55.50 0.00 0.00	42.26 0.38 0.00	28.80 -0.17 0.00	25.77 -0.21 0.00	23.94 0.14 0.00	23.29 -0.09 0.00	23.10 0.27 0.00	22.40 0.31 0.00	23.00 0.09 0.00	23.71 -0.39 0.00	29.88 -0.80 0.00	41.70 -0.51 0.00	51.85 -0.58 0.00	52.64 -0.48 0.00	44.89 -0.41 0.00	38.46 -0.35 0.00	35.86 0.43 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	36.02 2.32 0.00	34.44 2.22 0.00	34.59 2.14 0.00	34.31 2.06 0.00	34.99 2.04 0.00	40.98 2.54 0.00	57.31 3.65 0.00	59.55 4.05 0.00	44.98 3.10 0.00	31.03 2.06 0.00	27.90 1.92 0.00	25.54 1.74 0.00	25.09 1.71 0.00	24.49 1.67 0.00	23.77 1.68 0.00	24.67 1.76 0.00	26.05 1.95 0.00	33.19 2.52 0.00	45.50 3.29 0.00	56.41 3.98 0.00	56.99 3.88 0.00	48.43 3.13 0.00	41.49 2.68 0.00	37.70 2.27 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	35.44 1.75 0.00	33.95 1.74 0.00	34.08 1.62 0.00	33.82 1.58 0.00	34.56 1.61 0.00	40.41 1.96 0.00	56.56 2.90 0.00	58.61 3.11 0.00	44.23 2.35 0.00	30.51 1.54 0.00	27.43 1.45 0.00	25.11 1.31 0.00	24.64 1.26 0.00	24.08 1.26 0.00	23.35 1.26 0.00	24.26 1.35 0.00	25.57 1.47 0.00	32.57 1.90 0.00	44.74 2.53 0.00	55.47 3.04 0.00	56.09 2.97 0.00	47.61 2.31 0.00	40.83 2.02 0.00	37.17 1.74 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	36.29 2.59 -0.01	34.70 2.48 -0.01	34.83 2.37 -0.01	34.54 2.29 -0.01	35.23 2.27 -0.01	41.22 2.77 -0.01	57.81 4.13 -0.01	60.07 4.55 -0.01	57.76 3.39 -12.48	52.97 2.26 -21.74	51.25 2.10 -23.17	51.29 1.93 -25.56	48.28 1.89 -23.01	48.02 1.85 -23.35	51.29 1.83 -27.37	50.59 1.95 -25.74	51.29 2.12 -25.06	54.87 2.70 -21.50	55.23 3.59 -9.44	61.32 4.25 -4.64	60.74 4.20 -3.43	48.87 3.49 -0.08	44.15 2.95 -2.39	37.99 2.55 -0.01
E179THST_13_KV_LOAD 356214	36.43 2.73 -0.01	34.83 2.61 -0.01	34.96 2.50 -0.01	34.67 2.42 -0.01	35.33 2.37 -0.01	41.38 2.92 -0.01	58.02 4.35 -0.01	60.34 4.83 -0.01	57.93 3.56 -12.48	53.09 2.38 -21.74	51.35 2.21 -23.17	51.38 2.02 -25.56	48.37 1.99 -23.01	48.11 1.94 -23.35	51.38 1.92 -27.37	50.68 2.04 -25.74	51.38 2.22 -25.06	55.02 2.85 -21.50	55.45 3.80 -9.44	61.58 4.51 -4.64	61.01 4.46 -3.43	49.05 3.67 -0.08	44.30 3.10 -2.39	38.13 2.69 -0.01
EAST HAMPTON___GT 23717	34.97 1.28 0.00	33.60 1.38 0.00	33.65 1.20 0.00	33.50 1.26 0.00	34.20 1.25 0.00	39.87 1.42 0.00	55.27 1.61 0.00	57.72 2.22 0.00	45.10 2.64 -0.58	31.61 1.62 -1.02	28.44 1.38 -1.09	26.40 1.40 -1.20	25.74 1.29 -1.08	25.08 1.16 -1.09	24.54 1.17 -1.28	25.54 1.42 -1.21	26.82 1.54 -1.17	33.77 2.09 -1.01	44.96 2.32 -0.44	55.89 3.25 -0.21	56.40 3.13 -0.15	47.74 2.44 0.00	40.85 1.94 -0.10	36.57 1.13 0.00
EAST RIVER___6 23660	36.29 2.59 0.00	34.66 2.45 0.00	34.79 2.34 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.22 2.77 0.00	57.74 4.08 0.00	60.00 4.49 0.00	55.27 3.47 -9.91	48.52 2.29 -17.26	46.50 2.13 -18.39	46.02 1.93 -20.29	43.57 1.92 -18.27	43.24 1.87 -18.54	45.67 1.86 -21.73	45.32 1.97 -20.44	46.14 2.14 -19.90	50.50 2.76 -17.07	53.38 3.67 -7.50	60.57 4.45 -3.69	60.19 4.36 -2.72	48.86 3.49 -0.07	43.70 2.99 -1.90	37.98 2.55 0.00
EAST RIVER___7 23524	36.29 2.59 0.00	34.66 2.45 0.00	34.79 2.34 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.22 2.77 0.00	57.74 4.08 0.00	60.00 4.49 0.00	55.27 3.47 -9.91	48.52 2.29 -17.26	46.50 2.13 -18.39	46.02 1.93 -20.29	43.57 1.92 -18.27	43.24 1.87 -18.54	45.67 1.86 -21.73	45.32 1.97 -20.44	46.14 2.14 -19.90	50.50 2.76 -17.07	53.38 3.67 -7.50	60.57 4.45 -3.69	60.19 4.36 -2.72	48.86 3.49 -0.07	43.70 2.99 -1.90	37.98 2.55 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	35.88 2.19 0.00	34.34 2.13 0.00	34.46 2.01 0.00	34.21 1.97 0.00	34.89 1.94 0.00	40.83 2.38 0.00	57.15 3.49 0.00	59.39 3.89 0.00	45.20 2.93 -0.39	31.59 1.94 -0.68	28.52 1.82 -0.72	26.24 1.64 -0.80	25.71 1.61 -0.72	25.12 1.57 -0.73	24.51 1.57 -0.85	25.38 1.67 -0.80	26.74 1.86 -0.78	33.73 2.39 -0.67	45.62 3.12 -0.29	56.35 3.77 -0.14	56.89 3.66 -0.11	48.25 2.94 0.00	41.41 2.52 -0.07	37.59 2.16 0.00
EAST_HAMPTON___DIESEL 23722	34.90 1.21 0.00	33.53 1.32 0.00	33.59 1.14 0.00	33.40 1.16 0.00	34.13 1.18 0.00	39.79 1.34 0.00	55.16 1.50 0.00	57.61 2.11 0.00	45.02 2.56 -0.58	31.59 1.59 -1.02	28.39 1.32 -1.09	26.33 1.33 -1.20	25.67 1.21 -1.08	25.03 1.12 -1.09	24.48 1.10 -1.28	25.47 1.35 -1.21	26.77 1.49 -1.17	33.67 1.99 -1.01	44.83 2.19 -0.44	55.73 3.09 -0.21	56.29 3.03 -0.15	47.61 2.31 0.00	40.74 1.82 -0.10	36.49 1.06 0.00
EAST_POINT___SOLAR 323840	36.39 2.70 0.00	34.73 2.51 0.00	34.99 2.53 0.00	34.72 2.48 0.00	35.55 2.60 0.00	41.91 3.46 0.00	59.08 5.42 0.00	60.16 4.66 0.00	43.60 1.72 0.00	29.18 0.20 0.00	25.87 -0.10 0.00	23.63 -0.17 0.00	23.10 -0.28 0.00	22.43 -0.39 0.00	21.51 -0.57 0.00	22.38 -0.53 0.00	23.69 -0.41 0.00	30.86 0.19 0.00	44.52 2.32 0.00	56.99 4.56 0.00	58.26 5.15 0.00	49.52 4.21 0.00	42.03 3.22 0.00	38.27 2.84 0.00
EAST_PULASKI___ESR 323781	33.25 -0.44 0.00	31.76 -0.45 0.00	32.03 -0.42 0.00	31.82 -0.42 0.00	32.52 -0.43 0.00	38.02 -0.42 0.00	53.29 -0.37 0.00	55.00 -0.50 0.00	41.26 -0.63 0.00	28.48 -0.49 0.00	25.48 -0.49 0.00	23.32 -0.48 0.00	22.91 -0.47 0.00	22.34 -0.48 0.00	21.60 -0.49 0.00	22.38 -0.53 0.00	23.50 -0.60 0.00	29.91 -0.77 0.00	41.40 -0.80 0.00	51.75 -0.68 0.00	52.42 -0.69 0.00	44.67 -0.63 0.00	38.19 -0.62 0.00	34.83 -0.60 0.00
EAST_RIVER___1 323558	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.29 2.34 0.00	41.25 2.81 0.00	57.74 4.08 0.00	60.06 4.55 0.00	55.02 3.47 -9.66	48.09 2.29 -16.82	46.04 2.13 -17.93	45.51 1.93 -19.78	43.11 1.92 -17.81	42.77 1.87 -18.08	45.13 1.86 -21.18	44.80 1.97 -19.93	45.64 2.14 -19.40	50.07 2.76 -16.64	53.19 3.67 -7.31	60.48 4.45 -3.59	60.12 4.36 -2.66	48.86 3.49 -0.06	43.65 2.99 -1.85	38.02 2.59 0.00
EAST_RIVER___2 323559	36.29 2.59 0.00	34.66 2.45 0.00	34.79 2.34 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.22 2.77 0.00	57.74 4.08 0.00	60.00 4.49 0.00	55.27 3.47 -9.91	48.52 2.29 -17.26	46.50 2.13 -18.39	46.02 1.93 -20.29	43.57 1.92 -18.27	43.24 1.87 -18.54	45.67 1.86 -21.73	45.32 1.97 -20.44	46.14 2.14 -19.90	50.50 2.76 -17.07	53.38 3.67 -7.50	60.57 4.45 -3.69	60.19 4.36 -2.72	48.86 3.49 -0.07	43.70 2.99 -1.90	37.98 2.55 0.00
EAST___DELAWARE_HYD 23607	35.51 1.82 0.00	34.05 1.84 0.00	34.17 1.72 0.00	33.98 1.74 0.00	34.73 1.78 0.00	40.60 2.15 0.00	56.99 3.33 0.00	58.89 3.39 0.00	44.31 2.43 0.00	30.48 1.51 0.00	27.33 1.35 0.00	24.94 1.14 0.00	24.48 1.10 0.00	23.92 1.10 0.00	23.21 1.13 0.00	24.12 1.21 0.00	25.45 1.35 0.00	32.45 1.78 0.00	44.78 2.57 0.00	55.63 3.20 0.00	56.25 3.13 0.00	47.66 2.35 0.00	40.90 2.09 0.00	37.34 1.91 0.00
EIGHT_POINT___WT_PWR 323820	33.39 -0.30 0.00	31.83 -0.39 0.00	32.48 0.03 0.00	32.18 -0.06 0.00	33.11 0.17 0.00	38.91 0.46 0.00	54.63 0.97 0.00	55.67 0.17 0.00	41.88 0.00 0.00	28.51 -0.46 0.00	25.35 -0.62 0.00	23.44 -0.36 0.00	22.93 -0.44 0.00	22.64 -0.18 0.00	21.89 -0.20 0.00	22.54 -0.37 0.00	23.45 -0.65 0.00	29.85 -0.83 0.00	42.04 -0.17 0.00	52.75 0.32 0.00	53.59 0.48 0.00	45.75 0.45 0.00	39.16 0.35 0.00	36.10 0.67 0.00
ELBRIDGE_115KV_TB2 80188	33.56 -0.13 0.00	32.05 -0.16 0.00	32.29 -0.16 0.00	32.11 -0.13 0.00	32.85 -0.10 0.00	38.33 -0.12 0.00	53.56 -0.11 0.00	55.28 -0.22 0.00	41.72 -0.17 0.00	28.83 -0.14 0.00	25.79 -0.18 0.00	23.66 -0.14 0.00	23.22 -0.16 0.00	22.71 -0.11 0.00	21.96 -0.13 0.00	22.75 -0.16 0.00	23.86 -0.24 0.00	30.30 -0.37 0.00	41.78 -0.42 0.00	52.01 -0.42 0.00	52.74 -0.37 0.00	44.94 -0.36 0.00	38.42 -0.39 0.00	35.11 -0.32 0.00
ELEC_TRO_TEK 24086	35.98 2.29 0.00	34.40 2.19 0.00	34.50 2.04 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.91 2.46 0.00	56.56 2.90 0.00	59.05 3.55 0.00	47.28 3.81 -1.58	34.38 2.64 -2.77	31.35 2.42 -2.95	29.27 2.21 -3.26	28.47 2.15 -2.93	27.90 2.10 -2.98	27.70 2.12 -3.49	28.39 2.20 -3.29	29.64 2.34 -3.20	36.36 2.94 -2.74	47.24 3.84 -1.20	57.62 4.61 -0.58	58.16 4.62 -0.42	49.01 3.71 0.00	42.40 3.30 -0.29	37.49 2.06 0.00



ELLENBURG_WT_PWR 323604	-6.82 -1.62 38.89	0.28 -1.48 30.45	31.03 -1.43 0.00	30.98 -1.26 0.00	31.63 -1.32 0.00	36.76 -1.69 0.00	51.19 -2.47 0.00	52.95 -2.55 0.00	39.87 -2.01 0.00	27.64 -1.33 0.00	24.78 -1.19 0.00	22.70 -1.09 0.00	22.37 -1.00 0.00	21.75 -1.07 0.00	20.98 -1.10 0.00	21.79 -1.12 0.00	22.99 -1.11 0.00	29.44 -1.23 0.00	40.81 -1.39 0.00	51.17 -1.26 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.34 -0.46 0.00	35.19 -0.25 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	33.15 -0.54 0.00	31.41 -0.81 0.00	32.26 -0.19 0.00	31.82 -0.42 0.00	32.72 -0.23 0.00	38.06 -0.38 0.00	52.86 -0.80 0.00	53.73 -1.78 0.00	40.92 -0.96 0.00	28.02 -0.96 0.00	25.09 -0.88 0.00	23.39 -0.40 0.00	22.75 -0.63 0.00	22.59 -0.23 0.00	21.93 -0.15 0.00	22.52 -0.39 0.00	23.11 -0.99 0.00	29.02 -1.66 0.00	40.47 -1.73 0.00	50.28 -2.15 0.00	51.10 -2.02 0.00	43.72 -1.59 0.00	37.57 -1.24 0.00	34.97 -0.46 0.00
EMPIRE_CC_1 323656	34.97 1.28 0.00	33.44 1.22 0.00	33.62 1.17 0.00	33.40 1.16 0.00	34.13 1.18 0.00	39.83 1.38 0.00	55.54 1.88 0.00	57.61 2.11 0.00	43.43 1.55 0.00	30.02 1.04 0.00	26.94 0.96 0.00	24.65 0.86 0.00	24.22 0.84 0.00	23.62 0.80 0.00	22.91 0.82 0.00	23.78 0.87 0.00	25.07 0.97 0.00	31.99 1.32 0.00	43.89 1.69 0.00	54.37 1.94 0.00	55.02 1.91 0.00	46.89 1.58 0.00	40.09 1.28 0.00	36.60 1.17 0.00
EMPIRE_CC_2 323658	34.97 1.28 0.00	33.44 1.22 0.00	33.62 1.17 0.00	33.40 1.16 0.00	34.13 1.18 0.00	39.83 1.38 0.00	55.54 1.88 0.00	57.61 2.11 0.00	43.43 1.55 0.00	30.02 1.04 0.00	26.94 0.96 0.00	24.65 0.86 0.00	24.22 0.84 0.00	23.62 0.80 0.00	22.91 0.82 0.00	23.78 0.87 0.00	25.07 0.97 0.00	31.99 1.32 0.00	43.89 1.69 0.00	54.37 1.94 0.00	55.02 1.91 0.00	46.89 1.58 0.00	40.09 1.28 0.00	36.60 1.17 0.00
ENORWICH_115KV_TB1 80156	36.15 2.46 0.00	34.50 2.29 0.00	34.82 2.37 0.00	34.63 2.39 0.00	35.49 2.54 0.00	41.71 3.27 0.00	59.14 5.47 0.00	64.66 9.16 0.00	47.08 5.19 0.00	31.18 2.20 0.00	27.09 1.12 0.00	24.58 0.79 0.00	24.03 0.65 0.00	23.19 0.37 0.00	22.51 0.42 0.00	23.46 0.55 0.00	25.09 0.99 0.00	31.90 1.23 0.00	45.03 2.83 0.00	56.99 4.56 0.00	57.73 4.62 0.00	49.11 3.81 0.00	41.76 2.95 0.00	38.16 2.73 0.00
ERIE_ST__34_KV_TB1-2 80199	33.59 -0.10 0.00	31.86 -0.35 0.00	32.68 0.23 0.00	32.31 0.06 0.00	33.25 0.30 0.00	38.68 0.23 0.00	53.88 0.21 0.00	54.56 -0.94 0.00	41.47 -0.42 0.00	28.31 -0.67 0.00	25.35 -0.62 0.00	23.61 -0.19 0.00	22.94 -0.44 0.00	22.78 -0.05 0.00	22.09 0.00 0.00	22.66 -0.25 0.00	23.31 -0.80 0.00	29.32 -1.35 0.00	40.98 -1.22 0.00	50.91 -1.52 0.00	51.73 -1.38 0.00	44.21 -1.09 0.00	37.92 -0.89 0.00	35.47 0.04 0.00
ERIE_WT_PWR 323693	33.32 -0.37 0.00	31.60 -0.61 0.00	32.45 0.00 0.00	31.89 -0.35 0.00	32.78 -0.16 0.00	38.33 -0.11 0.00	53.29 -0.37 0.00	54.12 -1.39 0.00	41.17 -0.71 0.00	28.16 -0.81 0.00	25.22 -0.75 0.00	23.51 -0.28 0.00	22.84 -0.54 0.00	22.71 -0.11 0.00	22.02 -0.07 0.00	22.61 -0.30 0.00	23.31 -0.79 0.00	29.17 -1.50 0.00	40.73 -1.48 0.00	50.54 -1.89 0.00	51.36 -1.75 0.00	44.03 -1.27 0.00	37.88 -0.93 0.00	35.04 -0.39 0.00
ESPRGFLD_115KV_TB1 80157	35.71 2.02 0.00	34.05 1.84 0.00	34.33 1.88 0.00	34.08 1.84 0.00	34.89 1.94 0.00	40.98 2.54 0.00	57.79 4.13 0.00	59.50 4.00 0.00	44.15 2.26 0.00	29.99 1.01 0.00	26.63 0.65 0.00	24.32 0.52 0.00	23.87 0.49 0.00	23.21 0.39 0.00	22.44 0.35 0.00	23.30 0.39 0.00	24.58 0.48 0.00	31.65 0.98 0.00	44.48 2.28 0.00	55.89 3.46 0.00	56.78 3.66 0.00	48.34 3.04 0.00	41.14 2.33 0.00	37.52 2.09 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	34.57 0.88 0.00	32.99 0.77 0.00	33.23 0.78 0.00	33.05 0.81 0.00	33.84 0.89 0.00	39.52 1.08 0.00	55.49 1.82 0.00	56.78 1.28 0.00	42.76 0.88 0.00	29.44 0.46 0.00	26.24 0.26 0.00	24.06 0.26 0.00	23.61 0.23 0.00	23.07 0.25 0.00	22.31 0.22 0.00	23.11 0.21 0.00	24.25 0.14 0.00	30.95 0.28 0.00	42.96 0.76 0.00	53.69 1.26 0.00	54.39 1.27 0.00	46.34 1.04 0.00	39.58 0.78 0.00	36.18 0.74 0.00
ETNA____115KV_TB2 80207	34.57 0.88 0.00	32.99 0.77 0.00	33.23 0.78 0.00	33.05 0.81 0.00	33.84 0.89 0.00	39.52 1.08 0.00	55.49 1.82 0.00	56.78 1.28 0.00	42.76 0.88 0.00	29.44 0.46 0.00	26.24 0.26 0.00	24.06 0.26 0.00	23.61 0.23 0.00	23.07 0.25 0.00	22.31 0.22 0.00	23.11 0.21 0.00	24.25 0.14 0.00	30.95 0.28 0.00	42.96 0.76 0.00	53.69 1.26 0.00	54.39 1.27 0.00	46.34 1.04 0.00	39.58 0.78 0.00	36.18 0.74 0.00
EUCLID____115KV_TB2 356179	33.32 -0.37 0.00	31.83 -0.39 0.00	32.10 -0.36 0.00	31.89 -0.35 0.00	32.59 -0.36 0.00	38.02 -0.42 0.00	53.18 -0.48 0.00	54.95 -0.56 0.00	41.47 -0.42 0.00	28.71 -0.26 0.00	25.72 -0.26 0.00	23.58 -0.21 0.00	23.15 -0.23 0.00	22.64 -0.18 0.00	21.89 -0.20 0.00	22.68 -0.23 0.00	23.79 -0.31 0.00	30.18 -0.49 0.00	41.57 -0.63 0.00	51.75 -0.68 0.00	52.42 -0.69 0.00	44.62 -0.68 0.00	38.19 -0.62 0.00	34.90 -0.53 0.00
E_CANADA_CAP_HY 24051	36.02 2.32 0.00	34.37 2.16 0.00	34.63 2.17 0.00	34.37 2.13 0.00	35.19 2.24 0.00	41.45 3.00 0.00	58.44 4.77 0.00	59.89 4.38 0.00	44.06 2.18 0.00	29.79 0.81 0.00	26.42 0.44 0.00	24.11 0.31 0.00	23.61 0.23 0.00	22.96 0.14 0.00	22.13 0.04 0.00	23.00 0.09 0.00	24.32 0.22 0.00	31.50 0.83 0.00	44.61 2.40 0.00	56.41 3.98 0.00	57.52 4.41 0.00	48.97 3.67 0.00	41.56 2.76 0.00	37.87 2.44 0.00
E_CANADA_MHWK_HY 24050	33.29 -0.40 0.00	31.89 -0.32 0.00	32.19 -0.26 0.00	32.08 -0.16 0.00	32.85 -0.10 0.00	38.52 0.08 0.00	54.04 0.38 0.00	55.94 0.44 0.00	42.01 0.13 0.00	28.83 -0.14 0.00	25.72 -0.26 0.00	23.54 -0.26 0.00	23.12 -0.26 0.00	22.48 -0.34 0.00	21.76 -0.33 0.00	22.56 -0.34 0.00	23.86 -0.24 0.00	30.49 -0.18 0.00	42.37 0.17 0.00	53.06 0.63 0.00	53.96 0.85 0.00	46.21 0.91 0.00	39.63 0.82 0.00	36.28 0.85 0.00
E_FISHKILL____LBMP 23776	35.55 1.85 0.00	33.98 1.77 0.00	34.14 1.69 0.00	33.85 1.61 0.00	34.56 1.61 0.00	40.45 2.00 0.00	56.51 2.84 0.00	58.66 3.16 0.00	44.27 2.39 0.00	30.60 1.62 0.00	27.51 1.53 0.00	25.18 1.38 0.00	24.74 1.36 0.00	24.15 1.32 0.00	23.41 1.33 0.00	24.33 1.42 0.00	25.67 1.57 0.00	32.70 2.02 0.00	44.82 2.62 0.00	55.52 3.09 0.00	56.14 3.03 0.00	47.70 2.40 0.00	40.87 2.06 0.00	37.20 1.77 0.00
FALCON____SEABRD_CC1 323796	-6.89 -1.31 39.27	0.24 -1.22 30.75	31.29 -1.17 0.00	31.28 -0.97 0.00	31.89 -1.06 0.00	37.06 -1.38 0.00	51.68 -1.98 0.00	53.45 -2.05 0.00	40.25 -1.63 0.00	27.87 -1.10 0.00	24.99 -0.99 0.00	22.87 -0.93 0.00	22.56 -0.82 0.00	21.95 -0.87 0.00	21.16 -0.93 0.00	21.97 -0.94 0.00	23.18 -0.92 0.00	29.69 -0.98 0.00	41.24 -0.97 0.00	51.75 -0.68 0.00	52.69 -0.43 0.00	45.08 -0.23 0.00	38.77 -0.04 0.00	35.57 0.14 0.00



FALCON___SEABRD_CC2 323797	-6.89 -1.31 39.27	0.24 -1.22 30.75	31.29 -1.17 0.00	31.28 -0.97 0.00	31.89 -1.06 0.00	37.06 -1.38 0.00	51.68 -1.98 0.00	53.45 -2.05 0.00	40.25 -1.63 0.00	27.87 -1.10 0.00	24.99 -0.99 0.00	22.87 -0.93 0.00	22.56 -0.82 0.00	21.95 -0.87 0.00	21.16 -0.93 0.00	21.97 -0.94 0.00	23.18 -0.92 0.00	29.69 -0.98 0.00	41.24 -0.97 0.00	51.75 -0.68 0.00	52.69 -0.43 0.00	45.08 -0.23 0.00	38.77 -0.04 0.00	35.57 0.14 0.00
FAR ROCKAWAY___4 23548	36.42 2.73 0.00	34.79 2.58 0.00	34.89 2.43 0.00	34.50 2.26 0.00	35.19 2.24 0.00	41.37 2.92 0.00	57.20 3.54 0.00	59.72 4.22 0.00	47.63 4.36 -1.39	34.36 2.96 -2.43	31.27 2.70 -2.59	29.11 2.45 -2.86	28.36 2.41 -2.58	27.79 2.35 -2.61	27.50 2.34 -3.07	28.22 2.43 -2.88	29.51 2.60 -2.81	36.39 3.31 -2.40	47.69 4.43 -1.05	58.34 5.40 -0.51	58.85 5.36 -0.37	49.65 4.35 0.00	42.91 3.84 -0.26	37.91 2.48 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	36.32 2.63 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.56 2.32 0.00	35.19 2.24 0.00	41.25 2.81 0.00	57.75 4.08 0.00	60.06 4.55 0.00	55.61 3.48 -10.25	49.14 2.32 -17.84	47.15 2.16 -19.02	46.75 1.98 -20.98	44.19 1.92 -18.89	43.89 1.89 -19.17	46.43 1.88 -22.47	46.01 1.97 -21.13	46.84 2.17 -20.57	51.11 2.79 -17.64	53.63 3.67 -7.76	60.70 4.46 -3.81	60.28 4.36 -2.82	48.90 3.53 -0.07	43.80 3.03 -1.97	38.02 2.59 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	36.32 2.63 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.56 2.32 0.00	35.19 2.24 0.00	41.25 2.81 0.00	57.75 4.08 0.00	60.06 4.55 0.00	55.61 3.48 -10.25	49.14 2.32 -17.84	47.15 2.16 -19.02	46.75 1.98 -20.98	44.19 1.92 -18.89	43.86 1.87 -19.17	46.43 1.88 -22.47	46.01 1.97 -21.13	46.84 2.17 -20.57	51.11 2.79 -17.64	53.63 3.67 -7.76	60.70 4.46 -3.81	60.28 4.36 -2.82	48.90 3.53 -0.07	43.80 3.03 -1.97	38.02 2.59 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	36.29 2.59 0.00	34.69 2.48 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.19 2.24 0.00	41.25 2.81 0.00	57.75 4.08 0.00	60.06 4.55 0.00	55.56 3.43 -10.25	49.11 2.29 -17.84	47.15 2.16 -19.02	46.73 1.95 -20.98	44.19 1.92 -18.89	43.86 1.87 -19.17	46.41 1.86 -22.47	46.01 1.97 -21.13	46.82 2.14 -20.57	51.08 2.76 -17.64	53.63 3.67 -7.76	60.64 4.40 -3.81	60.28 4.36 -2.82	48.86 3.49 -0.07	43.80 3.03 -1.97	37.98 2.55 0.00
FARRAGUT___LBMP 323566	36.29 2.59 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.53 2.29 0.00	35.16 2.21 0.00	41.21 2.77 0.00	57.69 4.02 0.00	60.00 4.50 0.00	55.52 3.39 -10.25	49.11 2.29 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.08 2.76 -17.64	53.59 3.63 -7.76	60.64 4.40 -3.81	60.23 4.30 -2.82	48.86 3.49 -0.07	43.76 2.99 -1.97	37.95 2.52 0.00
FENNER___WINDPWR 24204	34.43 0.74 0.00	32.86 0.64 0.00	33.13 0.68 0.00	32.92 0.68 0.00	33.67 0.72 0.00	39.37 0.92 0.00	55.33 1.67 0.00	57.05 1.55 0.00	42.85 0.96 0.00	29.47 0.49 0.00	26.29 0.31 0.00	24.06 0.26 0.00	23.61 0.23 0.00	23.03 0.20 0.00	22.26 0.18 0.00	23.09 0.18 0.00	24.32 0.22 0.00	31.01 0.34 0.00	43.00 0.80 0.00	53.68 1.26 0.00	54.39 1.27 0.00	46.34 1.04 0.00	39.58 0.78 0.00	36.10 0.67 0.00
FIBERTEK___ENERGY 23856	33.73 0.03 0.00	32.21 0.00 0.00	32.45 0.00 0.00	32.24 0.00 0.00	32.98 0.03 0.00	38.48 0.04 0.00	53.88 0.21 0.00	55.61 0.11 0.00	41.93 0.04 0.00	29.00 0.03 0.00	25.92 -0.05 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.04 -0.17 0.00	52.32 -0.10 0.00	53.01 -0.11 0.00	45.17 -0.14 0.00	38.61 -0.19 0.00	35.25 -0.18 0.00
FITZPATRICK____ 23598	32.75 -0.94 0.00	31.31 -0.90 0.00	31.58 -0.87 0.00	31.34 -0.90 0.00	32.03 -0.92 0.00	37.37 -1.08 0.00	52.22 -1.45 0.00	53.95 -1.55 0.00	40.71 -1.17 0.00	28.25 -0.72 0.00	25.35 -0.62 0.00	23.23 -0.57 0.00	22.82 -0.56 0.00	22.30 -0.52 0.00	21.58 -0.51 0.00	22.36 -0.55 0.00	23.47 -0.63 0.00	29.75 -0.92 0.00	40.90 -1.31 0.00	50.86 -1.57 0.00	51.52 -1.59 0.00	43.94 -1.36 0.00	37.61 -1.20 0.00	34.33 -1.10 0.00
FLOWRFLD_69_KV_BK1 356044	36.02 2.32 0.00	34.47 2.25 0.00	34.53 2.08 0.00	34.05 1.81 0.00	34.73 1.78 0.00	40.91 2.46 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.07 3.60 -0.59	32.44 2.43 -1.03	29.39 2.31 -1.10	27.18 2.17 -1.21	26.57 2.10 -1.09	25.98 2.05 -1.11	25.44 2.05 -1.30	26.37 2.24 -1.22	27.70 2.41 -1.19	34.82 3.13 -1.02	46.57 3.92 -0.44	57.36 4.72 -0.21	57.89 4.62 -0.16	49.19 3.90 0.00	42.21 3.30 -0.11	37.38 1.95 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	35.71 2.02 0.00	34.21 2.00 0.00	34.37 1.91 0.00	34.08 1.84 0.00	34.83 1.88 0.00	40.75 2.31 0.00	57.10 3.43 0.00	59.16 3.66 0.00	44.61 2.72 0.00	30.74 1.77 0.00	27.61 1.64 0.00	25.25 1.45 0.00	24.78 1.40 0.00	24.21 1.39 0.00	23.50 1.41 0.00	24.42 1.51 0.00	25.76 1.66 0.00	32.82 2.15 0.00	45.16 2.95 0.00	55.94 3.51 0.00	56.62 3.51 0.00	48.02 2.72 0.00	41.18 2.37 0.00	37.49 2.06 0.00
FORT ORANGE____ 23900	34.60 0.91 0.00	33.11 0.90 0.00	33.29 0.84 0.00	33.05 0.81 0.00	33.80 0.86 0.00	39.44 1.00 0.00	55.00 1.34 0.00	56.94 1.44 0.00	42.97 1.09 0.00	29.67 0.69 0.00	26.60 0.62 0.00	24.35 0.55 0.00	23.89 0.51 0.00	23.32 0.50 0.00	22.60 0.51 0.00	23.46 0.55 0.00	24.75 0.65 0.00	31.56 0.89 0.00	43.22 1.01 0.00	53.79 1.36 0.00	54.49 1.38 0.00	46.39 1.09 0.00	39.70 0.89 0.00	36.25 0.82 0.00
FORT_DRUM_COGEN 23780	35.31 -0.13 -1.75	33.49 -0.10 -1.37	32.39 -0.06 0.00	32.21 -0.03 0.00	32.95 0.00 0.00	38.68 0.23 0.00	54.63 0.97 0.00	56.17 0.67 0.00	41.67 -0.21 0.00	28.45 -0.52 0.00	25.27 -0.70 0.00	23.04 -0.76 0.00	22.63 -0.75 0.00	21.95 -0.87 0.00	21.25 -0.84 0.00	22.04 -0.87 0.00	23.26 -0.84 0.00	29.84 -0.83 0.00	41.91 -0.30 0.00	52.90 0.47 0.00	53.75 0.64 0.00	45.80 0.50 0.00	38.93 0.12 0.00	35.47 0.04 0.00
FOX_HILLS___ESR 323835	49.60 2.70 -13.21	35.90 2.74 -0.95	35.00 2.47 -0.08	34.74 2.48 -0.02	35.49 2.54 -0.01	49.24 2.88 -7.91	57.97 4.29 -0.01	60.29 4.77 -0.01	57.93 3.56 -12.48	53.06 2.35 -21.74	52.74 2.16 -24.61	53.17 1.95 -27.42	55.81 1.92 -30.51	56.14 1.89 -31.43	53.49 1.88 -29.53	53.38 1.99 -28.48	53.72 2.17 -27.45	54.96 2.79 -21.50	58.50 3.76 -12.54	61.63 4.56 -4.64	61.06 4.51 -3.43	54.74 3.62 -5.82	58.54 3.07 -16.67	50.05 2.73 -11.89
FPL FAR_ROCK_GT1 24212	36.42 2.73 0.00	34.79 2.58 0.00	34.89 2.44 0.00	34.66 2.42 0.00	35.39 2.44 0.00	41.41 2.96 0.00	57.25 3.60 0.00	59.71 4.22 0.00	47.63 4.36 -1.39	34.36 2.96 -2.43	31.27 2.70 -2.59	29.11 2.45 -2.86	28.36 2.41 -2.58	27.79 2.35 -2.61	27.49 2.34 -3.07	28.22 2.43 -2.88	29.51 2.60 -2.81	36.39 3.31 -2.40	47.68 4.43 -1.05	58.34 5.40 -0.51	58.91 5.42 -0.37	49.65 4.35 0.00	42.91 3.84 -0.26	37.98 2.55 0.00



FPL FAR_ROCK_GT2 23815	36.42 2.73 0.00	34.79 2.58 0.00	34.89 2.44 0.00	34.66 2.42 0.00	35.39 2.44 0.00	41.41 2.96 0.00	57.25 3.60 0.00	59.71 4.22 0.00	47.63 4.36 -1.39	34.36 2.96 -2.43	31.27 2.70 -2.59	29.11 2.45 -2.86	28.36 2.41 -2.58	27.79 2.35 -2.61	27.49 2.34 -3.07	28.22 2.43 -2.88	29.51 2.60 -2.81	36.39 3.31 -2.40	47.68 4.43 -1.05	58.34 5.40 -0.51	58.91 5.42 -0.37	49.65 4.35 0.00	42.91 3.84 -0.26	37.98 2.55 0.00
FRANKLIN_FALL_HYD 24054	60.26 -1.31 -27.88	52.85 -1.19 -21.83	31.35 -1.10 0.00	31.31 -0.94 0.00	31.96 -0.99 0.00	37.06 -1.38 0.00	51.78 -1.88 0.00	53.50 -2.00 0.00	40.29 -1.59 0.00	27.82 -1.16 0.00	24.91 -1.07 0.00	22.78 -1.02 0.00	22.49 -0.89 0.00	21.86 -0.96 0.00	21.05 -1.04 0.00	21.85 -1.05 0.00	23.09 -1.01 0.00	29.57 -1.10 0.00	41.11 -1.10 0.00	51.54 -0.89 0.00	52.53 -0.58 0.00	44.94 -0.36 0.00	38.58 -0.23 0.00	35.33 -0.11 0.00
FREEPORT_EQUS_GT1 23764	36.12 2.43 0.00	34.50 2.29 0.00	34.59 2.14 0.00	34.37 2.13 0.00	35.12 2.17 0.00	41.06 2.62 0.00	56.77 3.11 0.00	59.22 3.72 0.00	46.85 3.94 -1.03	33.47 2.70 -1.80	30.37 2.47 -1.92	28.18 2.26 -2.12	27.49 2.20 -1.91	26.91 2.14 -1.94	26.53 2.17 -2.27	27.31 2.27 -2.14	28.61 2.43 -2.08	35.55 3.10 -1.78	46.99 4.01 -0.78	57.68 4.88 -0.38	58.22 4.83 -0.27	49.19 3.90 0.00	42.41 3.42 -0.19	37.67 2.23 0.00
FREEPORT___CT2 23818	36.12 2.43 0.00	34.50 2.29 0.00	34.59 2.14 0.00	34.37 2.13 0.00	35.12 2.17 0.00	41.06 2.62 0.00	56.77 3.11 0.00	59.22 3.72 0.00	46.85 3.94 -1.03	33.47 2.70 -1.80	30.37 2.47 -1.92	28.18 2.26 -2.12	27.49 2.20 -1.91	26.91 2.14 -1.94	26.53 2.17 -2.27	27.31 2.27 -2.14	28.61 2.43 -2.08	35.55 3.10 -1.78	46.99 4.01 -0.78	57.68 4.88 -0.38	58.22 4.83 -0.27	49.19 3.90 0.00	42.41 3.42 -0.19	37.67 2.23 0.00
FRESHKLS_33_KV_LOAD 356253	48.46 2.59 -12.17	35.84 2.67 -0.95	34.90 2.37 -0.08	34.65 2.39 -0.02	35.46 2.50 -0.01	48.47 2.73 -7.30	57.75 4.08 -0.01	60.07 4.55 -0.01	55.53 3.39 -10.25	49.06 2.23 -17.85	48.44 2.05 -20.41	48.43 1.86 -22.78	48.43 1.82 -23.23	48.41 1.78 -23.80	48.40 1.77 -24.55	48.41 1.88 -23.62	49.02 2.05 -22.87	50.99 2.67 -17.65	53.60 3.63 -7.76	60.65 4.40 -3.82	60.29 4.36 -2.82	52.91 3.44 -4.16	52.38 2.91 -10.67	49.01 2.62 -10.95
FULTON COGEN____ 23766	33.15 -0.54 0.00	31.66 -0.55 0.00	31.90 -0.55 0.00	31.69 -0.55 0.00	32.42 -0.53 0.00	37.83 -0.62 0.00	52.91 -0.75 0.00	54.67 -0.83 0.00	41.17 -0.71 0.00	28.54 -0.43 0.00	25.53 -0.44 0.00	23.39 -0.40 0.00	22.98 -0.40 0.00	22.46 -0.37 0.00	21.71 -0.38 0.00	22.50 -0.41 0.00	23.59 -0.51 0.00	29.97 -0.71 0.00	41.32 -0.89 0.00	51.43 -1.00 0.00	52.10 -1.01 0.00	44.40 -0.91 0.00	37.96 -0.85 0.00	34.65 -0.78 0.00
FULTON___LFGE 323630	36.08 2.39 0.00	34.43 2.22 0.00	34.66 2.21 0.00	34.44 2.19 0.00	35.25 2.31 0.00	41.48 3.04 0.00	58.44 4.77 0.00	60.00 4.49 0.00	44.27 2.39 0.00	30.02 1.04 0.00	26.63 0.65 0.00	24.32 0.52 0.00	23.82 0.44 0.00	23.17 0.34 0.00	22.35 0.27 0.00	23.23 0.32 0.00	24.61 0.51 0.00	31.78 1.10 0.00	44.82 2.62 0.00	56.47 4.04 0.00	57.63 4.51 0.00	49.02 3.72 0.00	41.60 2.80 0.00	37.91 2.48 0.00
G.F.CEMENT___DRP 24184	35.61 1.92 0.00	34.02 1.80 0.00	34.24 1.78 0.00	33.98 1.74 0.00	34.99 2.04 0.00	41.14 2.69 0.00	57.90 4.24 0.00	59.83 4.33 0.00	44.73 2.85 0.00	30.60 1.62 0.00	27.20 1.22 0.00	24.77 0.98 0.00	24.31 0.94 0.00	23.64 0.82 0.00	22.84 0.75 0.00	23.76 0.85 0.00	25.18 1.08 0.00	32.14 1.47 0.00	44.61 2.41 0.00	55.73 3.30 0.00	56.78 3.66 0.00	48.29 2.99 0.00	41.10 2.29 0.00	37.45 2.02 0.00
GARDENVILLE___LBMP 24039	33.25 -0.44 0.00	31.50 -0.71 0.00	32.36 -0.10 0.00	31.95 -0.29 0.00	32.85 -0.10 0.00	38.22 -0.23 0.00	53.07 -0.59 0.00	53.95 -1.55 0.00	41.05 -0.84 0.00	28.11 -0.87 0.00	25.17 -0.81 0.00	23.44 -0.36 0.00	22.80 -0.58 0.00	22.64 -0.18 0.00	21.98 -0.11 0.00	22.56 -0.34 0.00	23.16 -0.94 0.00	29.11 -1.56 0.00	40.60 -1.60 0.00	50.49 -1.94 0.00	51.31 -1.81 0.00	43.90 -1.40 0.00	37.68 -1.13 0.00	35.11 -0.32 0.00
GARDNVLA_35_KV_LD 355827	33.39 -0.30 0.00	31.63 -0.58 0.00	32.48 0.03 0.00	32.08 -0.16 0.00	32.98 0.03 0.00	38.37 -0.08 0.00	53.34 -0.32 0.00	54.17 -1.33 0.00	41.21 -0.67 0.00	28.19 -0.78 0.00	25.25 -0.73 0.00	23.54 -0.26 0.00	22.89 -0.49 0.00	22.73 -0.09 0.00	22.07 -0.02 0.00	22.63 -0.27 0.00	23.26 -0.84 0.00	29.20 -1.47 0.00	40.77 -1.43 0.00	50.70 -1.73 0.00	51.52 -1.59 0.00	44.08 -1.22 0.00	37.84 -0.97 0.00	35.25 -0.18 0.00
GELCKHM___115KV_LOAD 80723	33.46 -0.24 0.00	31.95 -0.26 0.00	32.19 -0.26 0.00	31.98 -0.26 0.00	32.72 -0.23 0.00	38.18 -0.27 0.00	53.39 -0.27 0.00	55.17 -0.33 0.00	41.59 -0.29 0.00	28.80 -0.17 0.00	25.77 -0.21 0.00	23.63 -0.17 0.00	23.22 -0.16 0.00	22.69 -0.14 0.00	21.93 -0.15 0.00	22.75 -0.16 0.00	23.84 -0.27 0.00	30.27 -0.40 0.00	41.74 -0.46 0.00	51.90 -0.52 0.00	52.58 -0.53 0.00	44.80 -0.50 0.00	38.34 -0.47 0.00	35.01 -0.43 0.00
GENERAL___MILLS 23808	33.32 -0.37 0.00	31.60 -0.61 0.00	32.42 -0.03 0.00	32.02 -0.23 0.00	32.95 0.00 0.00	38.29 -0.15 0.00	53.23 -0.43 0.00	54.06 -1.44 0.00	41.13 -0.75 0.00	28.16 -0.81 0.00	25.22 -0.75 0.00	23.49 -0.31 0.00	22.84 -0.54 0.00	22.69 -0.14 0.00	22.02 -0.07 0.00	22.59 -0.32 0.00	23.21 -0.89 0.00	29.14 -1.53 0.00	40.68 -1.52 0.00	50.59 -1.84 0.00	51.41 -1.70 0.00	43.99 -1.31 0.00	37.76 -1.05 0.00	35.18 -0.25 0.00
GE_PLASTICS___DRP 24183	34.53 0.84 0.00	33.02 0.81 0.00	33.23 0.78 0.00	32.98 0.74 0.00	33.71 0.76 0.00	39.33 0.88 0.00	54.84 1.18 0.00	56.78 1.28 0.00	42.85 0.96 0.00	29.70 0.72 0.00	26.63 0.65 0.00	24.39 0.59 0.00	23.94 0.56 0.00	23.37 0.55 0.00	22.64 0.55 0.00	23.50 0.60 0.00	24.80 0.70 0.00	31.59 0.92 0.00	43.30 1.10 0.00	53.63 1.21 0.00	54.34 1.22 0.00	46.30 1.00 0.00	39.62 0.81 0.00	36.18 0.74 0.00
GILBOA___1 23756	34.63 0.94 0.00	33.11 0.90 0.00	33.29 0.84 0.00	33.08 0.84 0.00	33.80 0.86 0.00	39.48 1.04 0.00	55.00 1.34 0.00	56.94 1.44 0.00	43.10 1.22 0.00	29.79 0.81 0.00	26.75 0.78 0.00	24.49 0.69 0.00	24.06 0.68 0.00	23.48 0.66 0.00	22.75 0.66 0.00	23.62 0.71 0.00	24.87 0.77 0.00	31.68 1.01 0.00	43.47 1.26 0.00	53.79 1.36 0.00	54.44 1.33 0.00	46.43 1.13 0.00	39.78 0.97 0.00	36.32 0.89 0.00
GILBOA___2 23757	34.63 0.94 0.00	33.11 0.90 0.00	33.29 0.84 0.00	33.08 0.84 0.00	33.80 0.86 0.00	39.48 1.04 0.00	55.00 1.34 0.00	56.94 1.44 0.00	43.10 1.22 0.00	29.79 0.81 0.00	26.75 0.78 0.00	24.49 0.69 0.00	24.06 0.68 0.00	23.48 0.66 0.00	22.75 0.66 0.00	23.62 0.71 0.00	24.87 0.77 0.00	31.68 1.01 0.00	43.47 1.26 0.00	53.79 1.36 0.00	54.44 1.33 0.00	46.43 1.13 0.00	39.78 0.97 0.00	36.32 0.89 0.00



GILBOA___3 23758	34.63 0.94 0.00	33.11 0.90 0.00	33.29 0.84 0.00	33.08 0.84 0.00	33.80 0.86 0.00	39.48 1.04 0.00	55.00 1.34 0.00	56.94 1.44 0.00	43.10 1.22 0.00	29.79 0.81 0.00	26.75 0.78 0.00	24.49 0.69 0.00	24.06 0.68 0.00	23.48 0.66 0.00	22.75 0.66 0.00	23.62 0.71 0.00	24.87 0.77 0.00	31.68 1.01 0.00	43.47 1.26 0.00	53.79 1.36 0.00	54.44 1.33 0.00	46.43 1.13 0.00	39.78 0.97 0.00	36.32 0.89 0.00
GILBOA___4 23759	34.63 0.94 0.00	33.11 0.90 0.00	33.29 0.84 0.00	33.08 0.84 0.00	33.80 0.86 0.00	39.48 1.04 0.00	55.00 1.34 0.00	56.94 1.44 0.00	43.10 1.22 0.00	29.79 0.81 0.00	26.75 0.78 0.00	24.49 0.69 0.00	24.06 0.68 0.00	23.48 0.66 0.00	22.75 0.66 0.00	23.62 0.71 0.00	24.87 0.77 0.00	31.68 1.01 0.00	43.47 1.26 0.00	53.79 1.36 0.00	54.44 1.33 0.00	46.43 1.13 0.00	39.78 0.97 0.00	36.32 0.89 0.00
GILBOA___ 23599	34.60 0.91 0.00	33.11 0.90 0.00	33.30 0.84 0.00	33.08 0.84 0.00	33.77 0.82 0.00	39.45 1.00 0.00	55.00 1.34 0.00	56.94 1.44 0.00	43.06 1.17 0.00	29.79 0.81 0.00	26.76 0.78 0.00	24.49 0.69 0.00	24.06 0.68 0.00	23.48 0.66 0.00	22.75 0.66 0.00	23.62 0.71 0.00	24.90 0.80 0.00	31.68 1.01 0.00	43.47 1.27 0.00	53.79 1.36 0.00	54.44 1.33 0.00	46.43 1.13 0.00	39.78 0.97 0.00	36.28 0.85 0.00
GINNA___ 23603	31.98 -1.72 0.00	30.41 -1.80 0.00	30.83 -1.62 0.00	30.50 -1.74 0.00	31.20 -1.75 0.00	36.56 -1.88 0.00	51.03 -2.63 0.00	52.61 -2.89 0.00	39.70 -2.18 0.00	27.35 -1.62 0.00	24.47 -1.51 0.00	22.51 -1.29 0.00	22.07 -1.31 0.00	21.73 -1.10 0.00	20.98 -1.10 0.00	21.63 -1.28 0.00	22.49 -1.61 0.00	28.46 -2.21 0.00	39.59 -2.62 0.00	49.34 -3.09 0.00	50.24 -2.87 0.00	42.72 -2.58 0.00	36.64 -2.17 0.00	33.38 -2.06 0.00
GLEN PARK___ 23778	35.39 0.03 -1.66	33.54 0.03 -1.30	32.52 0.07 0.00	32.34 0.10 0.00	33.08 0.13 0.00	38.87 0.42 0.00	54.95 1.29 0.00	56.44 0.94 0.00	41.76 -0.13 0.00	28.51 -0.46 0.00	25.30 -0.68 0.00	23.04 -0.76 0.00	22.63 -0.75 0.00	21.95 -0.87 0.00	21.25 -0.84 0.00	22.04 -0.87 0.00	23.28 -0.82 0.00	29.91 -0.77 0.00	42.04 -0.17 0.00	53.22 0.79 0.00	54.02 0.90 0.00	46.07 0.77 0.00	39.08 0.27 0.00	35.61 0.18 0.00
GLENDALE_27_KV_LOAD 356172	38.05 2.86 -1.49	34.96 2.71 -0.04	35.09 2.63 -0.01	34.80 2.55 -0.01	35.46 2.50 -0.01	42.44 3.11 -0.88	58.18 4.51 -0.01	60.51 5.00 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	51.48 2.34 -23.17	51.48 2.12 -25.56	51.47 2.08 -26.01	51.47 2.03 -26.62	51.47 2.01 -27.37	50.94 2.13 -25.90	51.48 2.31 -25.06	55.14 2.98 -21.50	58.71 3.97 -12.54	61.84 4.77 -4.64	61.27 4.73 -3.43	51.03 3.85 -1.88	50.36 3.26 -8.29	39.61 2.83 -1.35
GLENWOOD_IC_1_G5 23712	36.15 2.46 0.00	34.56 2.35 0.00	34.66 2.21 0.00	34.34 2.10 0.00	35.02 2.08 0.00	41.10 2.65 0.00	57.15 3.49 0.00	59.55 4.05 0.00	47.11 3.69 -1.54	34.16 2.49 -2.69	31.15 2.31 -2.87	29.08 2.12 -3.16	28.28 2.06 -2.85	27.72 2.01 -2.89	27.49 2.01 -3.39	28.20 2.11 -3.19	29.49 2.29 -3.10	36.21 2.88 -2.66	47.16 3.80 -1.16	57.45 4.46 -0.56	57.88 4.36 -0.41	48.97 3.67 0.00	42.27 3.18 -0.28	37.73 2.30 0.00
GLENWOOD_IC_2_G1 23688	36.05 2.36 0.00	34.43 2.22 0.00	34.56 2.11 0.00	34.34 2.09 0.00	35.06 2.11 0.00	40.98 2.54 0.00	57.09 3.44 0.00	59.38 3.88 0.00	44.69 3.44 0.63	30.17 2.29 1.10	26.94 2.13 1.17	24.44 1.93 1.29	24.11 1.89 1.16	23.49 1.85 1.18	22.56 1.86 1.38	23.56 1.95 1.30	24.93 2.10 1.26	32.29 2.70 1.08	45.27 3.55 0.48	56.44 4.24 0.23	57.14 4.19 0.17	48.70 3.40 0.00	41.64 2.95 0.12	37.70 2.27 0.00
GLENWOOD_IC_3_G1 23689	36.05 2.36 0.00	34.43 2.22 0.00	34.56 2.11 0.00	34.34 2.09 0.00	35.06 2.11 0.00	40.98 2.54 0.00	57.09 3.44 0.00	59.38 3.88 0.00	44.69 3.44 0.63	30.17 2.29 1.10	26.94 2.13 1.17	24.44 1.93 1.29	24.11 1.89 1.16	23.49 1.85 1.18	22.56 1.86 1.38	23.56 1.95 1.30	24.93 2.10 1.26	32.29 2.70 1.08	45.27 3.55 0.48	56.44 4.24 0.23	57.14 4.19 0.17	48.70 3.40 0.00	41.64 2.95 0.12	37.70 2.27 0.00
GLENWOOD___4 23550	36.15 2.46 0.00	34.56 2.35 0.00	34.66 2.21 0.00	34.34 2.10 0.00	35.02 2.08 0.00	41.10 2.65 0.00	57.15 3.49 0.00	59.55 4.05 0.00	47.11 3.69 -1.54	34.16 2.49 -2.69	31.15 2.31 -2.87	29.08 2.12 -3.16	28.28 2.06 -2.85	27.72 2.01 -2.89	27.49 2.01 -3.39	28.20 2.11 -3.19	29.49 2.29 -3.10	36.21 2.88 -2.66	47.16 3.80 -1.16	57.50 4.51 -0.56	57.99 4.46 -0.41	48.97 3.67 0.00	42.27 3.18 -0.28	37.73 2.30 0.00
GLENWOOD___5 23614	36.15 2.46 0.00	34.56 2.35 0.00	34.66 2.21 0.00	34.34 2.10 0.00	35.02 2.08 0.00	41.10 2.65 0.00	57.15 3.49 0.00	59.55 4.05 0.00	47.11 3.69 -1.54	34.16 2.49 -2.69	31.15 2.31 -2.87	29.08 2.12 -3.16	28.28 2.06 -2.85	27.72 2.01 -2.89	27.49 2.01 -3.39	28.20 2.11 -3.19	29.49 2.29 -3.10	36.21 2.88 -2.66	47.16 3.80 -1.16	57.50 4.51 -0.56	57.99 4.46 -0.41	48.97 3.67 0.00	42.27 3.18 -0.28	37.73 2.30 0.00
GLOBAL GREEN_PORT_GT1 23814	35.28 1.58 0.00	33.89 1.67 0.00	33.95 1.49 0.00	33.76 1.52 0.00	34.50 1.55 0.00	40.22 1.77 0.00	55.75 2.09 0.00	58.16 2.66 0.00	45.44 2.97 -0.58	31.85 1.86 -1.02	28.70 1.64 -1.09	26.64 1.64 -1.20	26.00 1.54 -1.08	25.36 1.44 -1.09	24.81 1.43 -1.28	25.81 1.70 -1.21	27.11 1.83 -1.17	34.10 2.42 -1.01	45.51 2.87 -0.44	56.52 3.88 -0.21	57.04 3.77 -0.15	48.24 2.94 0.00	41.28 2.37 -0.10	36.85 1.42 0.00
GLOBE___DSASP 323697	32.21 -1.48 0.00	30.47 -1.74 0.00	31.32 -1.14 0.00	30.86 -1.39 0.00	31.70 -1.25 0.00	36.83 -1.61 0.00	50.93 -2.74 0.00	51.89 -3.61 0.00	39.58 -2.30 0.00	27.24 -1.74 0.00	24.42 -1.56 0.00	22.80 -1.00 0.00	22.16 -1.22 0.00	22.07 -0.75 0.00	21.45 -0.64 0.00	22.01 -0.89 0.00	22.53 -1.57 0.00	28.19 -2.48 0.00	39.17 -3.04 0.00	48.60 -3.83 0.00	49.40 -3.72 0.00	42.31 -2.99 0.00	36.44 -2.37 0.00	33.94 -1.49 0.00
GOETHSLN___LBMP 323567	36.29 2.59 0.00	34.63 2.42 0.00	34.82 2.37 0.00	34.50 2.26 0.00	35.12 2.17 0.00	41.21 2.77 0.00	57.58 3.92 0.00	59.89 4.38 0.00	55.48 3.35 -10.25	49.08 2.26 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.41 1.86 -22.47	45.99 1.95 -21.13	46.82 2.14 -20.57	51.08 2.76 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.13 4.20 -2.82	48.81 3.44 -0.07	43.76 2.99 -1.97	37.95 2.52 0.00
GOLAH___69_KV_TB 1_2 80279	33.59 -0.10 0.00	31.89 -0.32 0.00	32.42 -0.03 0.00	32.11 -0.13 0.00	32.92 -0.03 0.00	38.45 0.00 0.00	53.50 -0.16 0.00	55.00 -0.50 0.00	41.55 -0.34 0.00	28.54 -0.43 0.00	25.51 -0.47 0.00	23.56 -0.24 0.00	22.98 -0.40 0.00	22.69 -0.14 0.00	21.98 -0.11 0.00	22.63 -0.27 0.00	23.40 -0.70 0.00	29.60 -1.07 0.00	41.19 -1.01 0.00	51.43 -1.00 0.00	52.42 -0.69 0.00	44.62 -0.68 0.00	38.34 -0.47 0.00	35.18 -0.25 0.00



GOODYEAR_LAKE_HYD 323669	35.28 1.58 0.00	33.66 1.45 0.00	33.91 1.46 0.00	33.69 1.45 0.00	34.46 1.52 0.00	40.41 1.96 0.00	56.72 3.06 0.00	58.67 3.16 0.00	43.94 2.05 0.00	30.05 1.07 0.00	26.81 0.83 0.00	24.54 0.74 0.00	24.06 0.68 0.00	23.44 0.62 0.00	22.71 0.62 0.00	23.55 0.64 0.00	24.82 0.72 0.00	31.78 1.10 0.00	44.15 1.94 0.00	55.10 2.67 0.00	55.82 2.71 0.00	47.52 2.22 0.00	40.59 1.79 0.00	37.03 1.59 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	34.27 0.57 0.00	32.70 0.48 0.00	33.04 0.58 0.00	32.79 0.55 0.00	33.57 0.63 0.00	39.18 0.73 0.00	54.79 1.13 0.00	56.39 0.89 0.00	42.51 0.63 0.00	29.24 0.26 0.00	26.11 0.13 0.00	23.99 0.19 0.00	23.52 0.14 0.00	23.05 0.23 0.00	22.31 0.22 0.00	23.09 0.18 0.00	24.17 0.07 0.00	30.80 0.12 0.00	42.58 0.38 0.00	53.01 0.58 0.00	53.70 0.58 0.00	45.71 0.41 0.00	39.16 0.35 0.00	35.96 0.53 0.00
GOUDEY___7 23579	34.27 0.57 0.00	32.70 0.48 0.00	33.04 0.58 0.00	32.79 0.55 0.00	33.57 0.63 0.00	39.18 0.73 0.00	54.79 1.13 0.00	56.39 0.89 0.00	42.51 0.63 0.00	29.24 0.26 0.00	26.11 0.13 0.00	23.99 0.19 0.00	23.52 0.14 0.00	23.05 0.23 0.00	22.31 0.22 0.00	23.09 0.18 0.00	24.17 0.07 0.00	30.80 0.12 0.00	42.58 0.38 0.00	53.01 0.58 0.00	53.70 0.58 0.00	45.71 0.41 0.00	39.16 0.35 0.00	35.96 0.53 0.00
GOUDEY___8 23580	34.27 0.57 0.00	32.70 0.48 0.00	33.04 0.58 0.00	32.79 0.55 0.00	33.57 0.63 0.00	39.18 0.73 0.00	54.79 1.13 0.00	56.39 0.89 0.00	42.51 0.63 0.00	29.24 0.26 0.00	26.11 0.13 0.00	23.99 0.19 0.00	23.52 0.14 0.00	23.05 0.23 0.00	22.31 0.22 0.00	23.09 0.18 0.00	24.17 0.07 0.00	30.80 0.12 0.00	42.58 0.38 0.00	53.01 0.58 0.00	53.70 0.58 0.00	45.71 0.41 0.00	39.16 0.35 0.00	35.96 0.53 0.00
GOWANUS_GT1_1 24077	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.19 2.87 -11.89
GOWANUS_GT1_2 24078	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.19 2.87 -11.89
GOWANUS_GT1_3 24079	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.19 2.87 -11.89
GOWANUS_GT1_4 24080	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.19 2.87 -11.89
GOWANUS_GT1_5 24084	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.19 2.87 -11.89
GOWANUS_GT1_6 24111	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.19 2.87 -11.89
GOWANUS_GT1_7 24112	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.19 2.87 -11.89
GOWANUS_GT1_8 24113	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.19 2.87 -11.89
GOWANUS_GT2_1 24114	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
GOWANUS_GT2_2 24115	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
GOWANUS_GT2_3 24116	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89



GOWANUS_GT2_4 24117	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.95	56.26	53.60	53.50	53.84	55.11	58.71	61.89	61.33	54.97	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.06	2.01	1.99	2.11	2.29	2.94	3.97	4.82	4.78	3.85	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT2_5 24118	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.95	56.26	53.60	53.50	53.84	55.11	58.71	61.89	61.33	54.97	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.06	2.01	1.99	2.11	2.29	2.94	3.97	4.82	4.78	3.85	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT2_6 24119	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.95	56.26	53.60	53.50	53.84	55.11	58.71	61.89	61.33	54.97	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.06	2.01	1.99	2.11	2.29	2.94	3.97	4.82	4.78	3.85	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT2_7 24120	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.95	56.26	53.60	53.50	53.84	55.11	58.71	61.89	61.33	54.97	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.06	2.01	1.99	2.11	2.29	2.94	3.97	4.82	4.78	3.85	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT2_8 24121	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.95	56.26	53.60	53.50	53.84	55.11	58.71	61.89	61.33	54.97	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.06	2.01	1.99	2.11	2.29	2.94	3.97	4.82	4.78	3.85	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT3_1 24122	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.93	56.26	53.60	53.50	53.81	55.11	58.71	61.89	61.33	54.92	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.03	2.01	1.99	2.11	2.26	2.94	3.97	4.82	4.78	3.81	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT3_2 24123	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.93	56.26	53.60	53.50	53.81	55.11	58.71	61.89	61.33	54.92	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.03	2.01	1.99	2.11	2.26	2.94	3.97	4.82	4.78	3.81	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT3_3 24124	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.93	56.26	53.60	53.50	53.81	55.11	58.71	61.89	61.33	54.92	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.03	2.01	1.99	2.11	2.26	2.94	3.97	4.82	4.78	3.81	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT3_4 24125	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.93	56.26	53.60	53.50	53.81	55.11	58.71	61.89	61.33	54.92	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.03	2.01	1.99	2.11	2.26	2.94	3.97	4.82	4.78	3.81	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT3_5 24126	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.93	56.26	53.60	53.50	53.81	55.11	58.71	61.89	61.33	54.92	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.03	2.01	1.99	2.11	2.26	2.94	3.97	4.82	4.78	3.81	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT3_6 24127	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.93	56.26	53.60	53.50	53.81	55.11	58.71	61.89	61.33	54.92	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.03	2.01	1.99	2.11	2.26	2.94	3.97	4.82	4.78	3.81	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT3_7 24128	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.93	56.26	53.60	53.50	53.81	55.11	58.71	61.89	61.33	54.92	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.03	2.01	1.99	2.11	2.26	2.94	3.97	4.82	4.78	3.81	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT3_8 24129	49.77	35.97	35.16	34.91	35.66	49.43	58.23	60.56	58.18	53.21	52.87	53.29	55.93	56.26	53.60	53.50	53.81	55.11	58.71	61.89	61.33	54.92	58.70	50.23
	2.86	2.80	2.63	2.64	2.70	3.08	4.56	5.05	3.81	2.49	2.29	2.07	2.03	2.01	1.99	2.11	2.26	2.94	3.97	4.82	4.78	3.81	3.22	2.91
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT4_1 24130	49.77	35.97	35.16	34.87	35.56	49.43	58.24	60.57	58.14	53.21	52.87	53.31	55.95	56.26	53.60	53.50	53.84	55.11	58.71	61.89	61.32	54.97	58.74	50.19
	2.86	2.80	2.63	2.61	2.60	3.08	4.56	5.05	3.77	2.49	2.29	2.09	2.06	2.01	1.99	2.11	2.29	2.94	3.97	4.82	4.78	3.85	3.26	2.87
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89
GOWANUS_GT4_2 24131	49.77	35.97	35.16	34.87	35.56	49.43	58.24	60.57	58.14	53.21	52.87	53.31	55.95	56.26	53.60	53.50	53.84	55.11	58.71	61.89	61.32	54.97	58.74	50.19
	2.86	2.80	2.63	2.61	2.60	3.08	4.56	5.05	3.77	2.49	2.29	2.09	2.06	2.01	1.99	2.11	2.29	2.94	3.97	4.82	4.78	3.85	3.26	2.87
	-13.21	-0.95	-0.08	-0.02	-0.01	-7.91	-0.01	-0.01	-12.48	-21.74	-24.61	-27.42	-30.51	-31.43	-29.53	-28.48	-27.45	-21.50	-12.54	-4.64	-3.43	-5.82	-16.67	-11.89



GOWANUS_GT4_3 24132	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89
GOWANUS_GT4_4 24133	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89
GOWANUS_GT4_5 24134	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89
GOWANUS_GT4_6 24135	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89
GOWANUS_GT4_7 24136	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89
GOWANUS_GT4_8 24137	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89
GREENBSH_115KV_TB3 55895	34.43 0.74 0.00	32.95 0.74 0.00	33.13 0.68 0.00	32.89 0.64 0.00	33.64 0.69 0.00	39.25 0.81 0.00	54.68 1.02 0.00	56.67 1.17 0.00	42.76 0.88 0.00	29.64 0.67 0.00	26.57 0.60 0.00	24.35 0.55 0.00	23.89 0.51 0.00	23.32 0.50 0.00	22.60 0.51 0.00	23.46 0.55 0.00	24.78 0.67 0.00	31.53 0.86 0.00	43.17 0.97 0.00	53.48 1.05 0.00	54.18 1.06 0.00	46.16 0.86 0.00	39.51 0.70 0.00	36.07 0.64 0.00
GREENIDGE_115KV_TB5 80291	34.20 0.51 0.00	32.60 0.39 0.00	33.00 0.55 0.00	32.79 0.55 0.00	33.64 0.69 0.00	39.29 0.85 0.00	54.90 1.23 0.00	56.28 0.78 0.00	42.51 0.63 0.00	29.09 0.12 0.00	25.85 -0.13 0.00	23.77 -0.02 0.00	23.31 -0.07 0.00	22.89 0.07 0.00	22.11 0.02 0.00	22.84 -0.07 0.00	23.81 -0.29 0.00	30.34 -0.34 0.00	42.37 0.17 0.00	52.80 0.37 0.00	53.54 0.42 0.00	45.80 0.50 0.00	39.16 0.35 0.00	35.96 0.53 0.00
GREENIDGE___3 23582	34.20 0.51 0.00	32.60 0.39 0.00	33.00 0.55 0.00	32.79 0.55 0.00	33.64 0.69 0.00	39.29 0.85 0.00	54.90 1.23 0.00	56.28 0.78 0.00	42.51 0.63 0.00	29.09 0.12 0.00	25.85 -0.13 0.00	23.77 -0.02 0.00	23.31 -0.07 0.00	22.89 0.07 0.00	22.11 0.02 0.00	22.84 -0.07 0.00	23.81 -0.29 0.00	30.34 -0.34 0.00	42.37 0.17 0.00	52.80 0.37 0.00	53.54 0.42 0.00	45.80 0.50 0.00	39.16 0.35 0.00	35.96 0.53 0.00
GREENIDGE___4 23583	34.20 0.51 0.00	32.60 0.39 0.00	33.00 0.55 0.00	32.73 0.48 0.00	33.54 0.59 0.00	39.29 0.84 0.00	54.90 1.24 0.00	56.28 0.78 0.00	42.51 0.63 0.00	29.09 0.12 0.00	25.85 -0.13 0.00	23.77 -0.02 0.00	23.31 -0.07 0.00	22.89 0.07 0.00	22.11 0.02 0.00	22.84 -0.07 0.00	23.84 -0.26 0.00	30.34 -0.34 0.00	42.37 0.17 0.00	52.75 0.32 0.00	53.49 0.37 0.00	45.80 0.50 0.00	39.16 0.35 0.00	35.89 0.46 0.00
GREENLWN_69_KV_BK 3 55738	36.05 2.36 0.00	34.44 2.22 0.00	34.53 2.08 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.95 2.50 0.00	56.07 2.41 0.00	58.61 3.11 0.00	46.18 3.69 -0.61	32.71 2.67 -1.07	29.56 2.44 -1.14	27.32 2.26 -1.26	26.71 2.20 -1.14	26.12 2.15 -1.15	25.58 2.14 -1.35	26.45 2.27 -1.27	27.75 2.41 -1.24	34.80 3.07 -1.06	46.38 3.71 -0.46	57.11 4.46 -0.22	57.68 4.41 -0.16	48.88 3.58 0.00	42.22 3.30 -0.11	37.49 2.06 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89
GRISSOM___SOLAR 323813	35.95 2.26 0.00	34.31 2.09 0.00	34.53 2.08 0.00	34.31 2.07 0.00	35.09 2.14 0.00	41.25 2.81 0.00	58.06 4.40 0.00	59.72 4.22 0.00	44.23 2.34 0.00	30.05 1.07 0.00	26.70 0.73 0.00	24.39 0.60 0.00	23.89 0.51 0.00	23.25 0.43 0.00	22.44 0.35 0.00	23.32 0.41 0.00	24.70 0.60 0.00	31.84 1.17 0.00	44.74 2.53 0.00	56.25 3.83 0.00	57.31 4.19 0.00	48.74 3.44 0.00	41.45 2.64 0.00	37.77 2.34 0.00
GROVEVILLE___HYD 323602	35.71 2.02 0.00	34.21 2.00 0.00	34.37 1.91 0.00	34.08 1.84 0.00	34.83 1.88 0.00	40.75 2.31 0.00	57.10 3.43 0.00	59.16 3.66 0.00	44.61 2.72 0.00	30.74 1.77 0.00	27.61 1.64 0.00	25.25 1.45 0.00	24.78 1.40 0.00	24.21 1.39 0.00	23.50 1.41 0.00	24.42 1.51 0.00	25.76 1.66 0.00	32.82 2.15 0.00	45.16 2.95 0.00	55.94 3.51 0.00	56.62 3.51 0.00	48.02 2.72 0.00	41.18 2.37 0.00	37.49 2.06 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	33.73 0.03 0.00	32.21 0.00 0.00	32.45 0.00 0.00	32.24 0.00 0.00	32.98 0.03 0.00	38.48 0.04 0.00	53.88 0.21 0.00	55.61 0.11 0.00	41.93 0.04 0.00	29.00 0.03 0.00	25.92 -0.05 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.04 -0.17 0.00	52.32 -0.10 0.00	53.01 -0.11 0.00	45.17 -0.14 0.00	38.61 -0.19 0.00	35.25 -0.18 0.00



HAMLTNNY_34_KV_TB 80303	33.83 0.13 0.00	32.28 0.06 0.00	32.55 0.10 0.00	32.34 0.10 0.00	33.08 0.13 0.00	38.60 0.15 0.00	54.04 0.38 0.00	55.78 0.28 0.00	42.01 0.13 0.00	29.03 0.06 0.00	25.92 -0.05 0.00	23.77 -0.02 0.00	23.36 -0.02 0.00	22.85 0.02 0.00	22.07 -0.02 0.00	22.86 -0.05 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.08 -0.13 0.00	52.43 0.00 0.00	53.11 0.00 0.00	45.26 -0.05 0.00	38.69 -0.12 0.00	35.36 -0.07 0.00
HAMPSHIRE___PAPER_HYD 323593	37.17 -0.94 -4.42	34.87 -0.80 -3.46	31.67 -0.78 0.00	31.53 -0.71 0.00	32.22 -0.73 0.00	37.68 -0.77 0.00	52.75 -0.91 0.00	54.39 -1.11 0.00	40.76 -1.13 0.00	27.96 -1.01 0.00	24.94 -1.04 0.00	22.75 -1.05 0.00	22.40 -0.98 0.00	21.75 -1.07 0.00	21.01 -1.08 0.00	21.81 -1.10 0.00	23.02 -1.08 0.00	29.51 -1.17 0.00	41.11 -1.10 0.00	51.43 -1.00 0.00	52.26 -0.85 0.00	44.76 -0.54 0.00	38.23 -0.58 0.00	34.86 -0.57 0.00
HARDSCRABBLE_WT_PWR 323673	33.22 -0.47 0.00	31.83 -0.39 0.00	32.16 -0.29 0.00	32.02 -0.22 0.00	32.78 -0.16 0.00	38.45 0.00 0.00	53.88 0.22 0.00	55.84 0.34 0.00	41.93 0.04 0.00	28.80 -0.17 0.00	25.69 -0.29 0.00	23.51 -0.28 0.00	23.10 -0.28 0.00	22.46 -0.37 0.00	21.73 -0.35 0.00	22.54 -0.37 0.00	23.84 -0.26 0.00	30.46 -0.21 0.00	42.29 0.08 0.00	52.95 0.52 0.00	53.86 0.74 0.00	46.12 0.82 0.00	39.58 0.78 0.00	36.21 0.78 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	35.51 1.82 0.00	34.02 1.80 0.00	34.14 1.69 0.00	33.89 1.64 0.00	34.63 1.68 0.00	40.48 2.04 0.00	56.67 3.01 0.00	58.78 3.27 0.00	44.36 2.47 0.00	30.63 1.65 0.00	27.51 1.53 0.00	25.18 1.38 0.00	24.71 1.33 0.00	24.15 1.32 0.00	23.41 1.33 0.00	24.33 1.42 0.00	25.64 1.54 0.00	32.67 1.99 0.00	44.86 2.66 0.00	55.63 3.20 0.00	56.25 3.13 0.00	47.70 2.40 0.00	40.94 2.13 0.00	37.27 1.84 0.00
HARSNRAD_115KV_TB1 81005	32.75 -0.94 0.00	31.02 -1.19 0.00	31.84 -0.62 0.00	31.44 -0.81 0.00	32.29 -0.66 0.00	37.56 -0.88 0.00	52.05 -1.61 0.00	53.00 -2.50 0.00	40.33 -1.55 0.00	27.67 -1.30 0.00	24.78 -1.19 0.00	23.11 -0.69 0.00	22.47 -0.91 0.00	22.37 -0.46 0.00	21.71 -0.38 0.00	22.29 -0.62 0.00	22.82 -1.28 0.00	28.62 -2.06 0.00	39.93 -2.28 0.00	49.60 -2.83 0.00	50.40 -2.71 0.00	43.17 -2.13 0.00	37.10 -1.71 0.00	34.51 -0.92 0.00
HARZA MOOSE___RIVER 24016	35.12 0.17 -1.26	33.42 0.23 -0.98	32.68 0.23 0.00	32.50 0.26 0.00	33.21 0.26 0.00	38.95 0.50 0.00	54.79 1.13 0.00	56.56 1.05 0.00	42.30 0.42 0.00	28.98 0.00 0.00	25.82 -0.16 0.00	23.56 -0.24 0.00	23.15 -0.23 0.00	22.50 -0.32 0.00	21.78 -0.31 0.00	22.59 -0.32 0.00	23.86 -0.24 0.00	30.55 -0.12 0.00	42.54 0.34 0.00	53.27 0.84 0.00	54.02 0.90 0.00	46.07 0.77 0.00	39.27 0.47 0.00	35.82 0.39 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	33.49 -0.20 0.00	31.99 -0.23 0.00	32.26 -0.19 0.00	32.05 -0.19 0.00	32.78 -0.16 0.00	38.25 -0.19 0.00	53.50 -0.16 0.00	55.28 -0.22 0.00	41.67 -0.21 0.00	28.86 -0.12 0.00	25.82 -0.16 0.00	23.68 -0.12 0.00	23.26 -0.12 0.00	22.73 -0.09 0.00	21.98 -0.11 0.00	22.77 -0.14 0.00	23.88 -0.22 0.00	30.34 -0.34 0.00	41.78 -0.42 0.00	52.01 -0.42 0.00	52.69 -0.42 0.00	44.85 -0.45 0.00	38.38 -0.43 0.00	35.04 -0.39 0.00
HELLGATE_13_KV_LD 55870	38.05 2.86 -1.50	34.99 2.74 -0.04	35.09 2.63 -0.01	34.80 2.55 -0.01	35.46 2.50 -0.01	42.45 3.11 -0.89	58.18 4.51 -0.01	60.51 5.00 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	51.48 2.34 -23.17	51.50 2.14 -25.56	51.47 2.08 -26.01	51.50 2.05 -26.62	51.49 2.03 -27.37	50.94 2.13 -25.90	51.48 2.31 -25.06	55.14 2.98 -21.50	58.71 3.97 -12.54	61.84 4.77 -4.64	61.22 4.67 -3.43	51.03 3.85 -1.88	50.41 3.30 -8.30	39.61 2.83 -1.35
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	38.05 2.86 -1.50	34.99 2.74 -0.04	35.09 2.63 -0.01	34.80 2.55 -0.01	35.46 2.50 -0.01	42.45 3.11 -0.89	58.18 4.51 -0.01	60.51 5.00 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	51.48 2.34 -23.17	51.50 2.14 -25.56	51.47 2.08 -26.01	51.50 2.05 -26.62	51.49 2.03 -27.37	50.94 2.13 -25.90	51.48 2.31 -25.06	55.14 2.98 -21.50	58.71 3.97 -12.54	61.84 4.77 -4.64	61.22 4.67 -3.43	51.03 3.85 -1.88	50.41 3.30 -8.30	39.61 2.83 -1.35
HEMPSTEAD____ 23647	35.95 2.26 0.00	34.34 2.13 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.96 2.01 0.00	40.87 2.42 0.00	56.61 2.95 0.00	59.05 3.56 0.00	46.75 3.64 -1.23	33.61 2.49 -2.14	30.57 2.31 -2.29	28.42 2.09 -2.52	27.71 2.06 -2.27	27.14 2.01 -2.31	26.80 2.01 -2.70	27.56 2.11 -2.54	28.84 2.26 -2.47	35.68 2.88 -2.12	46.84 3.71 -0.92	57.33 4.45 -0.45	57.85 4.41 -0.33	48.88 3.58 0.00	42.14 3.11 -0.22	37.49 2.05 0.00
HEWLETT_69_KV_BK3 55828	36.29 2.59 0.00	34.66 2.45 0.00	34.76 2.30 0.00	34.37 2.13 0.00	35.06 2.11 0.00	41.21 2.77 0.00	56.98 3.33 0.00	59.44 3.94 0.00	47.46 4.19 -1.39	34.28 2.87 -2.43	31.17 2.60 -2.59	29.04 2.38 -2.86	28.27 2.31 -2.58	27.70 2.26 -2.61	27.43 2.28 -3.07	28.15 2.36 -2.88	29.44 2.53 -2.81	36.27 3.19 -2.40	47.47 4.22 -1.05	58.07 5.14 -0.51	58.58 5.10 -0.37	49.46 4.17 0.00	42.75 3.69 -0.26	37.77 2.34 0.00
HICKLING___1 23621	34.33 0.64 0.00	32.73 0.52 0.00	33.17 0.71 0.00	32.95 0.71 0.00	33.84 0.89 0.00	39.45 1.00 0.00	55.22 1.56 0.00	56.50 1.00 0.00	42.64 0.75 0.00	29.15 0.17 0.00	25.92 -0.05 0.00	23.92 0.12 0.00	23.43 0.05 0.00	23.05 0.23 0.00	22.26 0.18 0.00	22.95 0.05 0.00	23.88 -0.22 0.00	30.40 -0.28 0.00	42.37 0.17 0.00	52.95 0.52 0.00	53.64 0.53 0.00	45.66 0.36 0.00	39.16 0.35 0.00	36.18 0.74 0.00
HICKLING___2 23622	34.33 0.64 0.00	32.73 0.52 0.00	33.17 0.71 0.00	32.95 0.71 0.00	33.84 0.89 0.00	39.45 1.00 0.00	55.22 1.56 0.00	56.50 1.00 0.00	42.64 0.75 0.00	29.15 0.17 0.00	25.92 -0.05 0.00	23.92 0.12 0.00	23.43 0.05 0.00	23.05 0.23 0.00	22.26 0.18 0.00	22.95 0.05 0.00	23.88 -0.22 0.00	30.40 -0.28 0.00	42.37 0.17 0.00	52.95 0.52 0.00	53.64 0.53 0.00	45.66 0.36 0.00	39.16 0.35 0.00	36.18 0.74 0.00
HIGH FALLS___HY 23754	35.61 1.92 0.00	34.11 1.90 0.00	34.27 1.82 0.00	34.02 1.77 0.00	34.73 1.78 0.00	40.64 2.19 0.00	56.99 3.33 0.00	59.05 3.55 0.00	44.52 2.64 0.00	30.63 1.65 0.00	27.51 1.53 0.00	25.18 1.38 0.00	24.71 1.33 0.00	24.15 1.32 0.00	23.44 1.35 0.00	24.35 1.44 0.00	25.69 1.59 0.00	32.73 2.06 0.00	45.03 2.83 0.00	55.89 3.46 0.00	56.51 3.40 0.00	47.93 2.63 0.00	41.10 2.29 0.00	37.42 1.98 0.00
HIGH_RIVER___SOLAR 323847	35.44 1.75 0.00	33.85 1.64 0.00	34.07 1.62 0.00	33.85 1.61 0.00	34.60 1.65 0.00	40.60 2.15 0.00	56.94 3.27 0.00	58.50 3.00 0.00	43.35 1.47 0.00	29.47 0.49 0.00	26.21 0.23 0.00	23.94 0.14 0.00	23.47 0.09 0.00	22.87 0.05 0.00	22.09 0.00 0.00	22.95 0.05 0.00	24.29 0.19 0.00	31.44 0.77 0.00	44.11 1.90 0.00	55.36 2.93 0.00	56.30 3.19 0.00	47.93 2.63 0.00	40.83 2.02 0.00	37.20 1.77 0.00



HILLBURN___GT 23639	35.58 1.89 0.00	34.08 1.87 0.00	34.20 1.75 0.00	33.98 1.74 0.00	34.73 1.78 0.00	40.56 2.11 0.00	56.72 3.06 0.00	58.89 3.39 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.61 1.64 0.00	25.27 1.48 0.00	24.83 1.45 0.00	24.24 1.42 0.00	23.50 1.41 0.00	24.42 1.51 0.00	25.74 1.64 0.00	32.79 2.11 0.00	44.95 2.74 0.00	55.73 3.31 0.00	56.35 3.24 0.00	47.79 2.49 0.00	40.98 2.17 0.00	37.38 1.95 0.00
HILLSIDE_115KV_TB1 80332	33.96 0.27 0.00	32.37 0.16 0.00	32.81 0.36 0.00	32.56 0.32 0.00	33.41 0.46 0.00	38.95 0.50 0.00	54.47 0.80 0.00	55.78 0.28 0.00	42.05 0.17 0.00	28.80 -0.17 0.00	25.69 -0.29 0.00	23.68 -0.12 0.00	23.19 -0.19 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.79 -0.11 0.00	23.76 -0.34 0.00	30.21 -0.46 0.00	41.91 -0.30 0.00	52.27 -0.16 0.00	52.95 -0.16 0.00	45.08 -0.23 0.00	38.69 -0.12 0.00	35.79 0.35 0.00
HISHELDN_WT_PWR 323625	33.15 -0.54 0.00	31.47 -0.74 0.00	32.26 -0.19 0.00	31.76 -0.48 0.00	32.65 -0.30 0.00	38.18 -0.27 0.00	53.18 -0.48 0.00	54.06 -1.44 0.00	40.92 -0.96 0.00	27.99 -0.99 0.00	25.04 -0.93 0.00	23.27 -0.52 0.00	22.68 -0.70 0.00	22.50 -0.32 0.00	21.80 -0.29 0.00	22.40 -0.50 0.00	23.14 -0.96 0.00	29.08 -1.60 0.00	40.69 -1.52 0.00	50.75 -1.68 0.00	51.52 -1.59 0.00	44.12 -1.18 0.00	37.88 -0.93 0.00	35.01 -0.42 0.00
HOLTSVILLE_IC_1 23690	35.75 2.06 0.00	34.24 2.03 0.00	34.30 1.85 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.13 2.47 0.00	58.55 3.05 0.00	45.85 3.39 -0.58	32.25 2.26 -1.01	29.21 2.15 -1.08	27.01 2.02 -1.19	26.42 1.96 -1.07	25.83 1.92 -1.09	25.29 1.92 -1.28	26.24 2.13 -1.20	27.54 2.26 -1.17	34.59 2.92 -1.00	46.27 3.63 -0.44	57.25 4.61 -0.21	57.73 4.46 -0.15	48.83 3.54 0.00	41.90 2.99 -0.10	37.24 1.81 0.00
HOLTSVILLE_IC_10 23699	35.88 2.19 0.00	34.37 2.16 0.00	34.43 1.98 0.00	34.21 1.97 0.00	34.96 2.01 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.03 3.56 -0.59	32.35 2.35 -1.03	29.31 2.23 -1.10	27.11 2.09 -1.21	26.53 2.06 -1.09	25.94 2.01 -1.11	25.40 2.01 -1.30	26.33 2.20 -1.22	27.65 2.36 -1.19	34.76 3.07 -1.02	46.49 3.84 -0.44	57.52 4.88 -0.21	57.99 4.73 -0.16	49.01 3.72 0.00	42.06 3.14 -0.11	37.38 1.95 0.00
HOLTSVILLE_IC_2 23691	35.75 2.06 0.00	34.24 2.03 0.00	34.30 1.85 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.13 2.47 0.00	58.55 3.05 0.00	45.85 3.39 -0.58	32.25 2.26 -1.01	29.21 2.15 -1.08	27.01 2.02 -1.19	26.42 1.96 -1.07	25.83 1.92 -1.09	25.29 1.92 -1.28	26.24 2.13 -1.20	27.54 2.26 -1.17	34.59 2.92 -1.00	46.27 3.63 -0.44	57.25 4.61 -0.21	57.73 4.46 -0.15	48.83 3.54 0.00	41.90 2.99 -0.10	37.24 1.81 0.00
HOLTSVILLE_IC_3 23692	35.75 2.06 0.00	34.24 2.03 0.00	34.30 1.85 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.13 2.47 0.00	58.55 3.05 0.00	45.85 3.39 -0.58	32.25 2.26 -1.01	29.21 2.15 -1.08	27.01 2.02 -1.19	26.42 1.96 -1.07	25.83 1.92 -1.09	25.29 1.92 -1.28	26.24 2.13 -1.20	27.54 2.26 -1.17	34.59 2.92 -1.00	46.27 3.63 -0.44	57.25 4.61 -0.21	57.73 4.46 -0.15	48.83 3.54 0.00	41.90 2.99 -0.10	37.24 1.81 0.00
HOLTSVILLE_IC_4 23693	35.75 2.06 0.00	34.24 2.03 0.00	34.30 1.85 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.13 2.47 0.00	58.55 3.05 0.00	45.85 3.39 -0.58	32.25 2.26 -1.01	29.21 2.15 -1.08	27.01 2.02 -1.19	26.42 1.96 -1.07	25.83 1.92 -1.09	25.29 1.92 -1.28	26.24 2.13 -1.20	27.54 2.26 -1.17	34.59 2.92 -1.00	46.27 3.63 -0.44	57.25 4.61 -0.21	57.73 4.46 -0.15	48.83 3.54 0.00	41.90 2.99 -0.10	37.24 1.81 0.00
HOLTSVILLE_IC_5 23694	35.75 2.06 0.00	34.24 2.03 0.00	34.30 1.85 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.13 2.47 0.00	58.55 3.05 0.00	45.85 3.39 -0.58	32.25 2.26 -1.01	29.21 2.15 -1.08	27.01 2.02 -1.19	26.42 1.96 -1.07	25.83 1.92 -1.09	25.29 1.92 -1.28	26.24 2.13 -1.20	27.54 2.26 -1.17	34.59 2.92 -1.00	46.27 3.63 -0.44	57.25 4.61 -0.21	57.73 4.46 -0.15	48.83 3.54 0.00	41.90 2.99 -0.10	37.24 1.81 0.00
HOLTSVILLE_IC_6 23695	35.88 2.19 0.00	34.37 2.16 0.00	34.43 1.98 0.00	34.21 1.97 0.00	34.96 2.01 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.03 3.56 -0.59	32.35 2.35 -1.03	29.31 2.23 -1.10	27.11 2.09 -1.21	26.53 2.06 -1.09	25.94 2.01 -1.11	25.40 2.01 -1.30	26.33 2.20 -1.22	27.65 2.36 -1.19	34.76 3.07 -1.02	46.49 3.84 -0.44	57.52 4.88 -0.21	57.99 4.73 -0.16	49.01 3.72 0.00	42.06 3.14 -0.11	37.38 1.95 0.00
HOLTSVILLE_IC_7 23696	35.88 2.19 0.00	34.37 2.16 0.00	34.43 1.98 0.00	34.21 1.97 0.00	34.96 2.01 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.03 3.56 -0.59	32.35 2.35 -1.03	29.31 2.23 -1.10	27.11 2.09 -1.21	26.53 2.06 -1.09	25.94 2.01 -1.11	25.40 2.01 -1.30	26.33 2.20 -1.22	27.65 2.36 -1.19	34.76 3.07 -1.02	46.49 3.84 -0.44	57.52 4.88 -0.21	57.99 4.73 -0.16	49.01 3.72 0.00	42.06 3.14 -0.11	37.38 1.95 0.00
HOLTSVILLE_IC_8 23697	35.88 2.19 0.00	34.37 2.16 0.00	34.43 1.98 0.00	34.21 1.97 0.00	34.96 2.01 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.03 3.56 -0.59	32.35 2.35 -1.03	29.31 2.23 -1.10	27.11 2.09 -1.21	26.53 2.06 -1.09	25.94 2.01 -1.11	25.40 2.01 -1.30	26.33 2.20 -1.22	27.65 2.36 -1.19	34.76 3.07 -1.02	46.49 3.84 -0.44	57.52 4.88 -0.21	57.99 4.73 -0.16	49.01 3.72 0.00	42.06 3.14 -0.11	37.38 1.95 0.00
HOLTSVILLE_IC_9 23698	35.88 2.19 0.00	34.37 2.16 0.00	34.43 1.98 0.00	34.21 1.97 0.00	34.96 2.01 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.03 3.56 -0.59	32.35 2.35 -1.03	29.31 2.23 -1.10	27.11 2.09 -1.21	26.53 2.06 -1.09	25.94 2.01 -1.11	25.40 2.01 -1.30	26.33 2.20 -1.22	27.65 2.36 -1.19	34.76 3.07 -1.02	46.49 3.84 -0.44	57.52 4.88 -0.21	57.99 4.73 -0.16	49.01 3.72 0.00	42.06 3.14 -0.11	37.38 1.95 0.00
HOMER_HL_115KV_TB2 355744	33.96 0.27 0.00	32.34 0.13 0.00	33.10 0.65 0.00	32.76 0.52 0.00	33.74 0.79 0.00	39.22 0.77 0.00	54.74 1.07 0.00	55.28 -0.22 0.00	42.05 0.17 0.00	28.57 -0.41 0.00	25.53 -0.44 0.00	23.73 -0.07 0.00	23.08 -0.30 0.00	22.87 0.05 0.00	22.18 0.09 0.00	22.77 -0.14 0.00	23.52 -0.58 0.00	29.72 -0.95 0.00	41.36 -0.84 0.00	51.48 -0.94 0.00	52.21 -0.90 0.00	44.49 -0.82 0.00	38.27 -0.54 0.00	36.00 0.57 0.00
HOWARD_WT_PWR 323690	33.39 -0.30 0.00	31.86 -0.35 0.00	32.48 0.03 0.00	32.21 -0.03 0.00	33.15 0.20 0.00	38.94 0.50 0.00	54.74 1.07 0.00	55.78 0.28 0.00	41.97 0.08 0.00	28.57 -0.41 0.00	25.38 -0.60 0.00	23.47 -0.33 0.00	22.96 -0.42 0.00	22.66 -0.16 0.00	21.91 -0.18 0.00	22.56 -0.34 0.00	23.47 -0.63 0.00	29.87 -0.80 0.00	42.12 -0.08 0.00	52.85 0.42 0.00	53.70 0.59 0.00	45.85 0.55 0.00	39.20 0.39 0.00	36.14 0.71 0.00



HQ_GEN_CEDARS 23644	35.41 -0.44 -2.16	33.55 -0.35 -1.69	32.13 -0.32 0.00	32.02 -0.23 0.00	32.65 -0.30 0.00	37.98 -0.46 0.00	52.54 -1.13 0.00	54.23 -1.28 0.00	41.17 -0.71 0.00	28.42 -0.55 0.00	25.46 -0.52 0.00	23.30 -0.50 0.00	22.96 -0.42 0.00	22.34 -0.48 0.00	21.58 -0.51 0.00	22.38 -0.53 0.00	23.59 -0.51 0.00	30.12 -0.55 0.00	41.61 -0.59 0.00	51.48 -0.94 0.00	52.32 -0.80 0.00	45.12 -0.18 0.00	38.73 -0.08 0.00	35.40 -0.04 0.00
HQ_GEN_CEDARS_PROXY 323590	35.41 -0.44 -2.16	33.55 -0.35 -1.69	32.13 -0.32 0.00	32.02 -0.22 0.00	32.68 -0.26 0.00	37.99 -0.46 0.00	52.53 -1.13 0.00	54.23 -1.27 0.00	41.13 -0.75 0.00	28.42 -0.55 0.00	25.46 -0.52 0.00	23.30 -0.50 0.00	22.96 -0.42 0.00	22.34 -0.48 0.00	21.58 -0.51 0.00	22.38 -0.53 0.00	23.57 -0.53 0.00	30.12 -0.55 0.00	41.61 -0.59 0.00	51.54 -0.89 0.00	52.32 -0.80 0.00	45.12 -0.18 0.00	38.73 -0.08 0.00	35.40 -0.04 0.00
HQ_GEN_IMPORT 323601	33.22 -0.47 0.00	31.79 -0.42 0.00	32.06 -0.39 0.00	31.89 -0.35 0.00	32.55 -0.39 0.00	37.95 -0.50 0.00	52.86 -0.80 0.00	54.61 -0.89 0.00	41.21 -0.67 0.00	28.51 -0.46 0.00	25.56 -0.42 0.00	23.42 -0.38 0.00	23.03 -0.35 0.00	22.46 -0.37 0.00	21.71 -0.38 0.00	22.52 -0.39 0.00	23.71 -0.39 0.00	30.21 -0.46 0.00	41.61 -0.59 0.00	51.75 -0.68 0.00	52.48 -0.63 0.00	44.89 -0.41 0.00	38.50 -0.31 0.00	35.19 -0.25 0.00
HQ_GEN_WHEEL 23651	33.22 -0.47 0.00	31.79 -0.42 0.00	32.06 -0.39 0.00	31.89 -0.35 0.00	32.55 -0.39 0.00	37.95 -0.50 0.00	52.86 -0.80 0.00	54.61 -0.89 0.00	41.21 -0.67 0.00	28.51 -0.46 0.00	25.56 -0.42 0.00	23.42 -0.38 0.00	23.03 -0.35 0.00	22.46 -0.37 0.00	21.71 -0.38 0.00	22.52 -0.39 0.00	23.71 -0.39 0.00	30.21 -0.46 0.00	41.61 -0.59 0.00	51.75 -0.68 0.00	52.48 -0.63 0.00	44.89 -0.41 0.00	38.50 -0.31 0.00	35.19 -0.25 0.00
HUDSON_AVE_GT_3 23810	36.32 2.63 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.56 2.32 0.00	35.22 2.27 0.00	41.29 2.85 0.00	57.80 4.13 0.00	60.06 4.55 0.00	55.61 3.48 -10.25	49.14 2.32 -17.84	47.17 2.18 -19.02	46.75 1.98 -20.98	44.21 1.94 -18.89	43.89 1.89 -19.17	46.43 1.88 -22.47	46.03 1.99 -21.13	46.84 2.17 -20.57	51.11 2.79 -17.64	53.67 3.71 -7.76	60.75 4.51 -3.81	60.34 4.41 -2.82	48.95 3.58 -0.07	43.84 3.07 -1.97	38.02 2.59 0.00
HUDSON_AVE_GT_4 23540	36.32 2.63 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.56 2.32 0.00	35.22 2.27 0.00	41.29 2.85 0.00	57.80 4.13 0.00	60.06 4.55 0.00	55.61 3.48 -10.25	49.14 2.32 -17.84	47.17 2.18 -19.02	46.75 1.98 -20.98	44.21 1.94 -18.89	43.89 1.89 -19.17	46.43 1.88 -22.47	46.03 1.99 -21.13	46.84 2.17 -20.57	51.11 2.79 -17.64	53.67 3.71 -7.76	60.75 4.51 -3.81	60.34 4.41 -2.82	48.95 3.58 -0.07	43.84 3.07 -1.97	38.02 2.59 0.00
HUDSON_AVE_GT_5 23657	36.32 2.63 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.56 2.32 0.00	35.22 2.27 0.00	41.29 2.85 0.00	57.80 4.13 0.00	60.06 4.55 0.00	55.61 3.48 -10.25	49.14 2.32 -17.84	47.17 2.18 -19.02	46.75 1.98 -20.98	44.21 1.94 -18.89	43.89 1.89 -19.17	46.43 1.88 -22.47	46.03 1.99 -21.13	46.84 2.17 -20.57	51.11 2.79 -17.64	53.67 3.71 -7.76	60.75 4.51 -3.81	60.34 4.41 -2.82	48.95 3.58 -0.07	43.84 3.07 -1.97	38.02 2.59 0.00
HUDSON_AVE_10 24168	36.35 2.66 0.00	34.69 2.48 0.00	34.85 2.40 0.00	34.56 2.32 0.00	35.19 2.24 0.00	41.29 2.85 0.00	57.80 4.13 0.00	60.11 4.61 0.00	55.65 3.52 -10.25	49.16 2.35 -17.84	47.17 2.18 -19.02	46.78 2.00 -20.98	44.23 1.96 -18.89	43.91 1.92 -19.17	46.45 1.90 -22.47	46.06 2.02 -21.13	46.87 2.19 -20.57	51.14 2.82 -17.64	53.72 3.76 -7.76	60.80 4.56 -3.81	60.39 4.46 -2.82	48.99 3.62 -0.07	43.88 3.10 -1.97	38.02 2.59 0.00
HUDSON___115KV_TB 4 355613	34.94 1.25 0.00	33.44 1.22 0.00	33.65 1.20 0.00	33.40 1.16 0.00	34.20 1.25 0.00	39.95 1.50 0.00	55.86 2.20 0.00	57.61 2.11 0.00	43.31 1.42 0.00	30.16 1.19 0.00	26.89 0.91 0.00	24.46 0.67 0.00	23.99 0.61 0.00	23.39 0.57 0.00	22.68 0.60 0.00	23.59 0.69 0.00	24.97 0.87 0.00	31.99 1.32 0.00	44.44 2.24 0.00	54.37 1.94 0.00	55.13 2.02 0.00	46.93 1.63 0.00	40.13 1.32 0.00	36.64 1.20 0.00
HUNTER MOUNT___DRP 323613	35.01 1.31 0.00	33.53 1.32 0.00	33.72 1.27 0.00	33.50 1.26 0.00	34.30 1.35 0.00	40.06 1.61 0.00	56.08 2.41 0.00	57.78 2.28 0.00	43.31 1.42 0.00	30.08 1.10 0.00	26.81 0.83 0.00	24.39 0.59 0.00	23.89 0.51 0.00	23.32 0.50 0.00	22.60 0.51 0.00	23.50 0.60 0.00	24.90 0.80 0.00	31.87 1.20 0.00	44.27 2.07 0.00	54.42 1.99 0.00	55.24 2.12 0.00	46.98 1.68 0.00	40.21 1.40 0.00	36.74 1.31 0.00
HUNTINGTON_RES_REC 323705	36.05 2.36 0.00	34.47 2.25 0.00	34.53 2.08 0.00	34.31 2.07 0.00	35.06 2.11 0.00	40.98 2.54 0.00	56.07 2.42 0.00	58.49 3.00 0.00	46.04 3.56 -0.59	32.51 2.49 -1.04	29.40 2.31 -1.11	27.17 2.14 -1.23	26.59 2.11 -1.10	25.97 2.03 -1.12	25.46 2.05 -1.31	26.34 2.20 -1.23	27.66 2.36 -1.20	34.77 3.07 -1.03	46.32 3.67 -0.45	57.20 4.56 -0.22	57.73 4.46 -0.16	48.83 3.54 0.00	42.06 3.14 -0.11	37.49 2.05 0.00
HUNTLEY___63 23557	33.05 -0.64 0.00	31.31 -0.90 0.00	32.16 -0.29 0.00	31.76 -0.48 0.00	32.62 -0.33 0.00	37.95 -0.50 0.00	52.64 -1.02 0.00	53.50 -2.00 0.00	40.75 -1.13 0.00	27.93 -1.04 0.00	25.02 -0.96 0.00	23.32 -0.48 0.00	22.68 -0.70 0.00	22.55 -0.27 0.00	21.89 -0.20 0.00	22.45 -0.46 0.00	23.02 -1.08 0.00	28.86 -1.81 0.00	40.31 -1.90 0.00	50.07 -2.36 0.00	50.88 -2.23 0.00	43.63 -1.68 0.00	37.45 -1.36 0.00	34.86 -0.57 0.00
HUNTLEY___64 23558	33.05 -0.64 0.00	31.31 -0.90 0.00	32.16 -0.29 0.00	31.76 -0.48 0.00	32.62 -0.33 0.00	37.95 -0.50 0.00	52.64 -1.02 0.00	53.50 -2.00 0.00	40.75 -1.13 0.00	27.93 -1.04 0.00	25.02 -0.96 0.00	23.32 -0.48 0.00	22.68 -0.70 0.00	22.55 -0.27 0.00	21.89 -0.20 0.00	22.45 -0.46 0.00	23.02 -1.08 0.00	28.86 -1.81 0.00	40.31 -1.90 0.00	50.07 -2.36 0.00	50.88 -2.23 0.00	43.63 -1.68 0.00	37.45 -1.36 0.00	34.86 -0.57 0.00
HUNTLEY___65 23559	33.05 -0.64 0.00	31.31 -0.90 0.00	32.16 -0.29 0.00	31.76 -0.48 0.00	32.62 -0.33 0.00	37.95 -0.50 0.00	52.64 -1.02 0.00	53.50 -2.00 0.00	40.75 -1.13 0.00	27.93 -1.04 0.00	25.02 -0.96 0.00	23.32 -0.48 0.00	22.68 -0.70 0.00	22.55 -0.27 0.00	21.89 -0.20 0.00	22.45 -0.46 0.00	23.02 -1.08 0.00	28.86 -1.81 0.00	40.31 -1.90 0.00	50.07 -2.36 0.00	50.88 -2.23 0.00	43.63 -1.68 0.00	37.45 -1.36 0.00	34.86 -0.57 0.00
HUNTLEY___66 23560	33.05 -0.64 0.00	31.31 -0.90 0.00	32.16 -0.29 0.00	31.76 -0.48 0.00	32.62 -0.33 0.00	37.95 -0.50 0.00	52.64 -1.02 0.00	53.50 -2.00 0.00	40.75 -1.13 0.00	27.93 -1.04 0.00	25.02 -0.96 0.00	23.32 -0.48 0.00	22.68 -0.70 0.00	22.55 -0.27 0.00	21.89 -0.20 0.00	22.45 -0.46 0.00	23.02 -1.08 0.00	28.86 -1.81 0.00	40.31 -1.90 0.00	50.07 -2.36 0.00	50.88 -2.23 0.00	43.63 -1.68 0.00	37.45 -1.36 0.00	34.86 -0.57 0.00



HUNTLEY___67 23561	32.92 -0.77 0.00	31.18 -1.03 0.00	32.00 -0.45 0.00	31.56 -0.68 0.00	32.45 -0.49 0.00	37.72 -0.73 0.00	52.32 -1.34 0.00	53.28 -2.22 0.00	40.54 -1.34 0.00	27.82 -1.16 0.00	24.94 -1.04 0.00	23.25 -0.55 0.00	22.61 -0.77 0.00	22.48 -0.34 0.00	21.82 -0.27 0.00	22.40 -0.50 0.00	22.99 -1.11 0.00	28.80 -1.87 0.00	40.14 -2.07 0.00	49.86 -2.57 0.00	50.67 -2.44 0.00	43.35 -1.95 0.00	37.26 -1.55 0.00	34.72 -0.71 0.00
HUNTLEY___68 23562	32.92 -0.77 0.00	31.18 -1.03 0.00	32.00 -0.45 0.00	31.56 -0.68 0.00	32.45 -0.49 0.00	37.72 -0.73 0.00	52.32 -1.34 0.00	53.28 -2.22 0.00	40.54 -1.34 0.00	27.82 -1.16 0.00	24.94 -1.04 0.00	23.25 -0.55 0.00	22.61 -0.77 0.00	22.48 -0.34 0.00	21.82 -0.27 0.00	22.40 -0.50 0.00	22.99 -1.11 0.00	28.80 -1.87 0.00	40.14 -2.07 0.00	49.86 -2.57 0.00	50.67 -2.44 0.00	43.35 -1.95 0.00	37.26 -1.55 0.00	34.72 -0.71 0.00
HYLAND___LFG 323620	34.80 1.11 0.00	33.05 0.84 0.00	33.62 1.17 0.00	33.30 1.06 0.00	34.13 1.18 0.00	40.14 1.69 0.00	56.24 2.58 0.00	57.28 1.78 0.00	42.43 0.54 0.00	28.69 -0.29 0.00	25.43 -0.55 0.00	23.37 -0.43 0.00	22.84 -0.54 0.00	22.57 -0.25 0.00	21.87 -0.22 0.00	22.56 -0.34 0.00	23.50 -0.60 0.00	30.06 -0.61 0.00	42.54 0.34 0.00	53.95 1.52 0.00	55.18 2.07 0.00	46.84 1.54 0.00	40.09 1.28 0.00	36.57 1.13 0.00
INDECK___CORINTH 23802	35.51 1.82 0.00	33.92 1.71 0.00	34.14 1.69 0.00	33.92 1.68 0.00	34.89 1.94 0.00	40.98 2.54 0.00	57.74 4.08 0.00	59.67 4.16 0.00	44.65 2.76 0.00	30.54 1.56 0.00	27.15 1.17 0.00	24.80 1.00 0.00	24.29 0.91 0.00	23.62 0.80 0.00	22.82 0.73 0.00	23.73 0.82 0.00	25.16 1.06 0.00	32.08 1.41 0.00	44.52 2.32 0.00	55.57 3.15 0.00	56.62 3.50 0.00	48.16 2.86 0.00	40.98 2.17 0.00	37.34 1.91 0.00
INDECK___ILION 23567	33.39 -0.30 0.00	31.99 -0.23 0.00	32.29 -0.16 0.00	32.15 -0.10 0.00	32.92 -0.03 0.00	38.60 0.15 0.00	54.20 0.54 0.00	56.11 0.61 0.00	42.14 0.25 0.00	28.92 -0.06 0.00	25.77 -0.21 0.00	23.58 -0.21 0.00	23.17 -0.21 0.00	22.50 -0.32 0.00	21.80 -0.29 0.00	22.61 -0.30 0.00	23.91 -0.19 0.00	30.58 -0.09 0.00	42.50 0.30 0.00	53.27 0.84 0.00	54.12 1.01 0.00	46.39 1.09 0.00	39.74 0.93 0.00	36.35 0.92 0.00
INDECK___OLEAN 23982	33.93 0.24 0.00	32.34 0.13 0.00	33.07 0.62 0.00	32.63 0.39 0.00	33.61 0.66 0.00	39.21 0.77 0.00	54.74 1.07 0.00	55.23 -0.28 0.00	42.05 0.17 0.00	28.57 -0.41 0.00	25.53 -0.44 0.00	23.70 -0.09 0.00	23.08 -0.30 0.00	22.87 0.05 0.00	22.15 0.07 0.00	22.75 -0.16 0.00	23.57 -0.53 0.00	29.72 -0.95 0.00	41.36 -0.84 0.00	51.43 -1.00 0.00	52.16 -0.95 0.00	44.49 -0.81 0.00	38.30 -0.51 0.00	35.93 0.50 0.00
INDECK___OSWEGO 23783	33.02 -0.67 0.00	31.53 -0.68 0.00	31.77 -0.68 0.00	31.56 -0.68 0.00	32.26 -0.69 0.00	37.68 -0.77 0.00	52.70 -0.96 0.00	54.45 -1.06 0.00	41.00 -0.88 0.00	28.42 -0.55 0.00	25.46 -0.52 0.00	23.35 -0.45 0.00	22.91 -0.47 0.00	22.39 -0.43 0.00	21.67 -0.42 0.00	22.45 -0.46 0.00	23.55 -0.55 0.00	29.91 -0.77 0.00	41.19 -1.01 0.00	51.28 -1.15 0.00	51.94 -1.17 0.00	44.26 -1.04 0.00	37.88 -0.93 0.00	34.55 -0.88 0.00
INDECK___YERKES 23781	33.09 -0.61 0.00	31.34 -0.87 0.00	32.19 -0.26 0.00	31.63 -0.61 0.00	32.46 -0.49 0.00	37.99 -0.46 0.00	52.70 -0.96 0.00	53.56 -1.94 0.00	40.79 -1.09 0.00	27.93 -1.04 0.00	25.04 -0.93 0.00	23.37 -0.43 0.00	22.70 -0.68 0.00	22.59 -0.23 0.00	21.91 -0.18 0.00	22.47 -0.44 0.00	23.14 -0.96 0.00	28.89 -1.78 0.00	40.35 -1.86 0.00	50.07 -2.36 0.00	50.88 -2.23 0.00	43.67 -1.63 0.00	37.57 -1.24 0.00	34.69 -0.75 0.00
INDIAN POINT_GT_1 24139	35.78 2.09 0.00	34.24 2.03 0.00	34.37 1.91 0.00	34.11 1.87 0.00	34.79 1.85 0.00	40.75 2.31 0.00	57.05 3.38 0.00	59.22 3.72 0.00	45.00 2.81 -0.31	31.34 1.83 -0.54	28.27 1.71 -0.58	25.98 1.55 -0.64	25.47 1.52 -0.58	24.89 1.48 -0.58	24.25 1.48 -0.68	25.13 1.58 -0.64	26.49 1.76 -0.63	33.48 2.27 -0.54	45.44 3.00 -0.24	56.16 3.62 -0.12	56.70 3.51 -0.09	48.07 2.76 0.00	41.27 2.41 -0.06	37.49 2.06 0.00
INDIAN POINT_GT_2 23659	35.78 2.09 0.00	34.24 2.03 0.00	34.37 1.91 0.00	34.11 1.87 0.00	34.79 1.85 0.00	40.75 2.31 0.00	57.05 3.38 0.00	59.22 3.72 0.00	45.00 2.81 -0.31	31.34 1.83 -0.54	28.27 1.71 -0.58	25.98 1.55 -0.64	25.47 1.52 -0.58	24.89 1.48 -0.58	24.25 1.48 -0.68	25.13 1.58 -0.64	26.49 1.76 -0.63	33.48 2.27 -0.54	45.44 3.00 -0.24	56.16 3.62 -0.12	56.70 3.51 -0.09	48.07 2.76 0.00	41.27 2.41 -0.06	37.49 2.06 0.00
INDIAN POINT_GT_3 24019	35.78 2.09 0.00	34.24 2.03 0.00	34.37 1.91 0.00	34.11 1.87 0.00	34.79 1.85 0.00	40.75 2.31 0.00	57.05 3.38 0.00	59.22 3.72 0.00	45.00 2.81 -0.31	31.34 1.83 -0.54	28.27 1.71 -0.58	25.98 1.55 -0.64	25.47 1.52 -0.58	24.89 1.48 -0.58	24.25 1.48 -0.68	25.13 1.58 -0.64	26.49 1.76 -0.63	33.48 2.27 -0.54	45.44 3.00 -0.24	56.16 3.62 -0.12	56.70 3.51 -0.09	48.07 2.76 0.00	41.27 2.41 -0.06	37.49 2.06 0.00
INDIAN POINT___2 23530	35.95 2.26 0.00	34.37 2.16 0.00	34.53 2.08 0.00	34.27 2.03 0.00	34.99 2.04 0.00	40.91 2.46 0.00	57.26 3.60 0.00	59.45 3.94 0.00	45.37 3.02 -0.47	31.76 1.97 -0.81	28.71 1.87 -0.87	26.45 1.69 -0.96	25.90 1.66 -0.86	25.32 1.62 -0.87	24.72 1.61 -1.02	25.59 1.72 -0.96	26.92 1.88 -0.94	33.93 2.45 -0.80	45.76 3.21 -0.35	56.48 3.88 -0.17	57.01 3.77 -0.13	48.29 2.99 0.00	41.46 2.56 -0.09	37.67 2.23 0.00
INDIAN POINT___3 23531	35.68 1.99 0.00	34.15 1.93 0.00	34.27 1.82 0.00	34.02 1.77 0.00	34.69 1.75 0.00	40.60 2.15 0.00	56.78 3.11 0.00	59.00 3.50 0.00	44.80 2.64 -0.27	31.22 1.77 -0.48	28.15 1.66 -0.51	25.86 1.50 -0.56	25.36 1.47 -0.50	24.77 1.44 -0.51	24.12 1.44 -0.60	25.01 1.53 -0.56	26.34 1.69 -0.55	33.32 2.18 -0.47	45.24 2.83 -0.21	55.94 3.41 -0.10	56.48 3.29 -0.08	47.93 2.63 0.00	41.11 2.25 -0.05	37.38 1.95 0.00
INGHAM_C_115KV_TB7 356103	33.29 -0.40 0.00	31.89 -0.32 0.00	32.19 -0.26 0.00	32.08 -0.16 0.00	32.85 -0.10 0.00	38.52 0.08 0.00	54.04 0.38 0.00	55.95 0.44 0.00	42.01 0.13 0.00	28.83 -0.14 0.00	25.72 -0.26 0.00	23.54 -0.26 0.00	23.12 -0.26 0.00	22.48 -0.34 0.00	21.76 -0.33 0.00	22.56 -0.34 0.00	23.86 -0.24 0.00	30.49 -0.18 0.00	42.37 0.17 0.00	53.06 0.63 0.00	53.96 0.85 0.00	46.21 0.91 0.00	39.62 0.81 0.00	36.28 0.85 0.00
IP CORINTH___1 23988	35.51 1.82 0.00	33.92 1.71 0.00	34.14 1.69 0.00	33.89 1.64 0.00	34.89 1.94 0.00	40.98 2.54 0.00	57.74 4.08 0.00	59.66 4.16 0.00	44.65 2.76 0.00	30.54 1.56 0.00	27.15 1.17 0.00	24.75 0.95 0.00	24.29 0.91 0.00	23.62 0.80 0.00	22.82 0.73 0.00	23.73 0.82 0.00	25.16 1.06 0.00	32.08 1.41 0.00	44.53 2.32 0.00	55.52 3.09 0.00	56.62 3.51 0.00	48.16 2.85 0.00	40.98 2.17 0.00	37.34 1.91 0.00



IP__TICONDEROGA 23804	36.35 2.66 0.00	34.66 2.45 0.00	34.92 2.47 0.00	34.66 2.42 0.00	35.72 2.77 0.00	42.14 3.69 0.00	59.67 6.01 0.00	61.39 5.88 0.00	45.61 3.73 0.00	31.03 2.06 0.00	27.43 1.45 0.00	24.94 1.14 0.00	24.48 1.10 0.00	23.76 0.94 0.00	22.91 0.82 0.00	23.85 0.94 0.00	25.38 1.28 0.00	32.48 1.81 0.00	45.45 3.25 0.00	57.04 4.61 0.00	58.42 5.31 0.00	49.56 4.26 0.00	41.99 3.18 0.00	38.27 2.83 0.00
ISLIP_RES_REC 323679	35.98 2.29 0.00	34.47 2.25 0.00	34.53 2.08 0.00	34.31 2.07 0.00	35.09 2.14 0.00	40.94 2.50 0.00	56.55 2.90 0.00	59.00 3.50 0.00	46.21 3.73 -0.59	32.45 2.43 -1.04	29.40 2.31 -1.11	27.19 2.17 -1.23	26.61 2.13 -1.10	26.02 2.08 -1.12	25.46 2.05 -1.32	26.41 2.27 -1.24	27.74 2.43 -1.20	34.86 3.16 -1.03	46.66 4.01 -0.45	57.79 5.14 -0.22	58.26 4.99 -0.16	49.19 3.90 0.00	42.21 3.30 -0.11	37.49 2.05 0.00
JAMAICA__27_KV_LOAD 355505	36.52 2.83 0.00	34.85 2.64 0.00	35.02 2.56 0.00	34.72 2.48 0.00	35.32 2.37 0.00	41.52 3.08 0.00	58.07 4.40 0.00	60.39 4.88 0.00	55.98 3.85 -10.25	49.40 2.58 -17.84	47.36 2.36 -19.02	46.94 2.17 -20.98	44.37 2.10 -18.89	44.05 2.05 -19.17	46.61 2.05 -22.47	46.19 2.15 -21.13	47.03 2.36 -20.57	51.38 3.07 -17.64	54.10 4.14 -7.76	61.32 5.09 -3.81	60.92 4.99 -2.82	49.40 4.03 -0.07	44.23 3.45 -1.97	38.23 2.80 0.00
JANIS__SOLAR 323808	35.38 1.68 0.00	33.73 1.51 0.00	34.04 1.59 0.00	33.85 1.61 0.00	34.66 1.71 0.00	40.64 2.19 0.00	57.36 3.70 0.00	65.33 9.83 0.00	47.20 5.32 0.00	31.03 2.06 0.00	26.75 0.78 0.00	24.23 0.43 0.00	23.66 0.28 0.00	22.78 -0.05 0.00	22.11 0.02 0.00	23.11 0.21 0.00	24.89 0.79 0.00	31.25 0.58 0.00	43.94 1.73 0.00	55.31 2.88 0.00	56.03 2.92 0.00	47.75 2.44 0.00	40.67 1.86 0.00	37.13 1.70 0.00
JARVIS____ 23743	33.90 0.20 0.00	32.41 0.19 0.00	32.65 0.20 0.00	32.40 0.16 0.00	33.15 0.20 0.00	38.68 0.23 0.00	54.09 0.43 0.00	55.94 0.44 0.00	42.22 0.33 0.00	29.18 0.20 0.00	26.13 0.16 0.00	23.94 0.14 0.00	23.50 0.12 0.00	22.94 0.11 0.00	22.20 0.11 0.00	23.02 0.12 0.00	24.27 0.17 0.00	30.89 0.22 0.00	42.50 0.30 0.00	52.85 0.42 0.00	53.49 0.37 0.00	45.62 0.32 0.00	39.04 0.23 0.00	35.65 0.21 0.00
JENNISON__1 23625	35.55 1.85 0.00	33.92 1.71 0.00	34.24 1.78 0.00	34.02 1.77 0.00	34.83 1.88 0.00	40.83 2.38 0.00	57.63 3.97 0.00	60.83 5.33 0.00	45.07 3.18 0.00	30.42 1.45 0.00	26.81 0.83 0.00	24.49 0.69 0.00	23.99 0.61 0.00	23.30 0.48 0.00	22.57 0.49 0.00	23.43 0.53 0.00	24.82 0.72 0.00	31.68 1.01 0.00	44.31 2.11 0.00	55.63 3.20 0.00	56.35 3.24 0.00	47.97 2.67 0.00	40.90 2.10 0.00	37.42 1.98 0.00
JENNISON__2 23626	35.55 1.85 0.00	33.92 1.71 0.00	34.24 1.78 0.00	34.02 1.77 0.00	34.83 1.88 0.00	40.83 2.38 0.00	57.63 3.97 0.00	60.83 5.33 0.00	45.07 3.18 0.00	30.42 1.45 0.00	26.81 0.83 0.00	24.49 0.69 0.00	23.99 0.61 0.00	23.30 0.48 0.00	22.57 0.49 0.00	23.43 0.53 0.00	24.82 0.72 0.00	31.68 1.01 0.00	44.31 2.11 0.00	55.63 3.20 0.00	56.35 3.24 0.00	47.97 2.67 0.00	40.90 2.10 0.00	37.42 1.98 0.00
JERICHO_RISE_WT_PWR 323719	-10.00 -1.72 41.98	-2.23 -1.58 32.86	30.93 -1.52 0.00	30.89 -1.35 0.00	31.53 -1.42 0.00	36.64 -1.81 0.00	51.03 -2.63 0.00	52.78 -2.72 0.00	39.75 -2.13 0.00	27.56 -1.42 0.00	24.70 -1.27 0.00	22.61 -1.19 0.00	22.30 -1.08 0.00	21.68 -1.14 0.00	20.92 -1.17 0.00	21.72 -1.19 0.00	22.92 -1.18 0.00	29.35 -1.32 0.00	40.73 -1.48 0.00	51.07 -1.36 0.00	52.00 -1.12 0.00	44.49 -0.81 0.00	38.27 -0.54 0.00	35.08 -0.35 0.00
KATONAH__115KV_46KV_TB4 355592	35.85 2.16 0.00	34.31 2.09 0.00	34.43 1.98 0.00	34.18 1.93 0.00	34.89 1.94 0.00	40.87 2.42 0.00	57.26 3.60 0.00	59.50 4.00 0.00	44.86 2.97 0.00	30.89 1.91 0.00	27.72 1.74 0.00	25.37 1.57 0.00	24.95 1.57 0.00	24.33 1.51 0.00	23.59 1.50 0.00	24.51 1.60 0.00	25.91 1.81 0.00	32.97 2.30 0.00	45.29 3.08 0.00	56.20 3.77 0.00	56.83 3.72 0.00	48.20 2.90 0.00	41.29 2.48 0.00	37.56 2.13 0.00
KCE_NY_1 323755	35.41 1.72 0.00	33.82 1.61 0.00	34.04 1.59 0.00	33.79 1.55 0.00	34.96 2.01 0.00	40.98 2.54 0.00	57.47 3.81 0.00	59.28 3.78 0.00	44.40 2.51 0.00	30.45 1.48 0.00	27.15 1.17 0.00	24.80 1.00 0.00	24.29 0.91 0.00	23.64 0.82 0.00	22.88 0.79 0.00	23.78 0.87 0.00	25.19 1.09 0.00	32.11 1.44 0.00	44.44 2.24 0.00	55.36 2.93 0.00	56.30 3.19 0.00	47.93 2.63 0.00	40.86 2.06 0.00	37.27 1.84 0.00
KCE_NY_6_ESR 323823	33.32 -0.37 0.00	31.60 -0.61 0.00	32.45 0.00 0.00	31.89 -0.35 0.00	32.78 -0.16 0.00	38.33 -0.11 0.00	53.29 -0.37 0.00	54.12 -1.39 0.00	41.17 -0.71 0.00	28.16 -0.81 0.00	25.22 -0.75 0.00	23.51 -0.28 0.00	22.84 -0.54 0.00	22.71 -0.11 0.00	22.02 -0.07 0.00	22.61 -0.30 0.00	23.31 -0.79 0.00	29.17 -1.50 0.00	40.73 -1.48 0.00	50.54 -1.89 0.00	51.36 -1.75 0.00	44.03 -1.27 0.00	37.88 -0.93 0.00	35.04 -0.39 0.00
KEDC_PORT_JEFF_GT2 24210	35.92 2.22 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.03 3.56 -0.59	32.38 2.38 -1.03	29.31 2.23 -1.09	27.12 2.12 -1.21	26.52 2.06 -1.09	25.93 2.01 -1.10	25.39 2.01 -1.29	26.32 2.20 -1.22	27.65 2.36 -1.18	34.75 3.07 -1.02	46.49 3.84 -0.44	57.52 4.88 -0.21	57.99 4.73 -0.15	49.01 3.72 0.00	42.10 3.18 -0.11	37.38 1.95 0.00
KEDC_PORT_JEFF_GT3 24211	35.92 2.22 0.00	34.37 2.16 0.00	34.47 2.01 0.00	34.24 2.00 0.00	34.99 2.04 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.03 3.56 -0.59	32.38 2.38 -1.03	29.31 2.23 -1.09	27.12 2.12 -1.21	26.52 2.06 -1.09	25.93 2.01 -1.10	25.39 2.01 -1.29	26.32 2.20 -1.22	27.65 2.36 -1.18	34.75 3.07 -1.02	46.49 3.84 -0.44	57.52 4.88 -0.21	57.99 4.73 -0.15	49.01 3.72 0.00	42.10 3.18 -0.11	37.38 1.95 0.00
KEDC_GLWD_GT4 24219	36.15 2.46 0.00	34.56 2.35 0.00	34.69 2.24 0.00	34.44 2.19 0.00	35.16 2.21 0.00	41.14 2.69 0.00	57.20 3.54 0.00	59.55 4.05 0.00	47.11 3.69 -1.54	34.16 2.49 -2.69	31.15 2.31 -2.87	29.06 2.09 -3.16	28.28 2.06 -2.85	27.72 2.01 -2.89	27.49 2.01 -3.39	28.20 2.11 -3.19	29.47 2.26 -3.10	36.25 2.92 -2.66	47.16 3.80 -1.16	57.44 4.45 -0.56	57.93 4.41 -0.41	48.96 3.67 0.00	42.27 3.18 -0.28	37.77 2.34 0.00
KEDC_GLWD_GT5 24220	36.15 2.46 0.00	34.56 2.35 0.00	34.69 2.24 0.00	34.44 2.19 0.00	35.16 2.21 0.00	41.14 2.69 0.00	57.20 3.54 0.00	59.55 4.05 0.00	47.11 3.69 -1.54	34.16 2.49 -2.69	31.15 2.31 -2.87	29.06 2.09 -3.16	28.28 2.06 -2.85	27.72 2.01 -2.89	27.49 2.01 -3.39	28.20 2.11 -3.19	29.47 2.26 -3.10	36.25 2.92 -2.66	47.16 3.80 -1.16	57.44 4.45 -0.56	57.93 4.41 -0.41	48.96 3.67 0.00	42.27 3.18 -0.28	37.77 2.34 0.00



KENSICO____ 23655	35.88 2.19 0.00	34.34 2.13 0.00	34.46 2.01 0.00	34.21 1.97 0.00	34.89 1.94 0.00	40.83 2.38 0.00	57.15 3.49 0.00	59.39 3.89 0.00	45.20 2.93 -0.39	31.59 1.94 -0.68	28.52 1.82 -0.72	26.24 1.64 -0.80	25.71 1.61 -0.72	25.12 1.57 -0.73	24.51 1.57 -0.85	25.38 1.67 -0.80	26.74 1.86 -0.78	33.73 2.39 -0.67	45.62 3.12 -0.29	56.35 3.77 -0.14	56.89 3.66 -0.11	48.25 2.94 0.00	41.41 2.52 -0.07	37.59 2.16 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	35.58 1.89 0.00	34.08 1.87 0.00	34.20 1.75 0.00	33.95 1.71 0.00	34.69 1.75 0.00	40.60 2.15 0.00	56.94 3.27 0.00	58.94 3.44 0.00	44.40 2.51 0.00	30.57 1.59 0.00	27.43 1.45 0.00	25.08 1.29 0.00	24.62 1.24 0.00	24.05 1.23 0.00	23.35 1.26 0.00	24.26 1.35 0.00	25.59 1.49 0.00	32.64 1.96 0.00	44.95 2.74 0.00	55.78 3.36 0.00	56.41 3.29 0.00	47.84 2.54 0.00	41.02 2.21 0.00	37.34 1.91 0.00
KIAC_JFK_GT1 23816	36.35 2.66 0.00	34.66 2.45 0.00	34.85 2.40 0.00	34.56 2.32 0.00	35.16 2.21 0.00	41.29 2.85 0.00	57.53 3.86 0.00	59.84 4.33 0.00	55.61 3.48 -10.25	49.11 2.29 -17.84	47.12 2.13 -19.02	46.73 1.95 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.39 1.83 -22.47	45.99 1.95 -21.13	46.82 2.14 -20.57	51.11 2.79 -17.64	53.67 3.71 -7.76	60.80 4.56 -3.81	60.39 4.46 -2.82	48.95 3.58 -0.07	43.84 3.07 -1.97	38.05 2.62 0.00
KIAC_JFK_GT2 23817	36.35 2.66 0.00	34.66 2.45 0.00	34.85 2.40 0.00	34.56 2.32 0.00	35.16 2.21 0.00	41.29 2.85 0.00	57.53 3.86 0.00	59.84 4.33 0.00	55.61 3.48 -10.25	49.11 2.29 -17.84	47.12 2.13 -19.02	46.73 1.95 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.39 1.83 -22.47	45.99 1.95 -21.13	46.82 2.14 -20.57	51.11 2.79 -17.64	53.67 3.71 -7.76	60.80 4.56 -3.81	60.39 4.46 -2.82	48.95 3.58 -0.07	43.84 3.07 -1.97	38.05 2.62 0.00
KIAC_JFK____ 323774	36.35 2.66 0.00	34.66 2.45 0.00	34.85 2.40 0.00	34.59 2.35 0.00	35.25 2.31 0.00	41.29 2.84 0.00	57.53 3.87 0.00	59.84 4.33 0.00	55.60 3.47 -10.25	49.11 2.29 -17.84	47.12 2.13 -19.02	46.70 1.93 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.39 1.83 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.11 2.79 -17.64	53.68 3.71 -7.76	60.80 4.56 -3.81	60.44 4.51 -2.82	48.91 3.54 -0.07	43.84 3.07 -1.97	38.09 2.66 0.00
KINTIGH____ 23543	32.95 -0.74 0.00	31.25 -0.97 0.00	31.90 -0.55 0.00	31.50 -0.74 0.00	32.32 -0.63 0.00	37.64 -0.81 0.00	52.27 -1.40 0.00	53.67 -1.83 0.00	40.75 -1.13 0.00	28.05 -0.93 0.00	25.15 -0.83 0.00	23.32 -0.48 0.00	22.75 -0.63 0.00	22.53 -0.30 0.00	21.85 -0.24 0.00	22.47 -0.44 0.00	23.18 -0.92 0.00	29.17 -1.50 0.00	40.47 -1.73 0.00	50.33 -2.10 0.00	51.15 -1.97 0.00	43.67 -1.63 0.00	37.49 -1.32 0.00	34.62 -0.81 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	-7.11 -1.11 39.69	0.01 -1.13 31.07	31.38 -1.07 0.00	31.34 -0.90 0.00	31.99 -0.96 0.00	37.14 -1.31 0.00	51.84 -1.82 0.00	53.67 -1.83 0.00	40.38 -1.51 0.00	27.90 -1.07 0.00	25.02 -0.96 0.00	22.89 -0.90 0.00	22.61 -0.77 0.00	21.98 -0.84 0.00	21.16 -0.93 0.00	21.99 -0.92 0.00	23.21 -0.89 0.00	29.72 -0.95 0.00	41.32 -0.89 0.00	51.90 -0.52 0.00	52.90 -0.21 0.00	45.21 -0.09 0.00	38.89 0.08 0.00	35.61 0.18 0.00
LACHUTE__HYDRO 323717	36.35 2.66 0.00	34.66 2.45 0.00	34.92 2.47 0.00	34.66 2.42 0.00	35.72 2.77 0.00	42.14 3.69 0.00	59.67 6.01 0.00	61.38 5.88 0.00	45.66 3.77 0.00	31.03 2.06 0.00	27.43 1.45 0.00	25.01 1.21 0.00	24.48 1.10 0.00	23.76 0.94 0.00	22.91 0.82 0.00	23.85 0.94 0.00	25.38 1.28 0.00	32.48 1.81 0.00	45.45 3.25 0.00	57.04 4.61 0.00	58.42 5.31 0.00	49.61 4.31 0.00	41.99 3.18 0.00	38.27 2.84 0.00
LAWRNCAL_115KV_TB1 80681	38.04 -1.11 -5.46	35.49 -1.00 -4.28	31.51 -0.94 0.00	31.40 -0.84 0.00	32.03 -0.92 0.00	37.25 -1.19 0.00	51.73 -1.93 0.00	53.39 -2.11 0.00	40.38 -1.51 0.00	27.82 -1.16 0.00	24.89 -1.09 0.00	22.73 -1.07 0.00	22.42 -0.96 0.00	21.80 -1.03 0.00	21.03 -1.06 0.00	21.83 -1.08 0.00	23.04 -1.06 0.00	29.45 -1.23 0.00	40.81 -1.39 0.00	50.75 -1.68 0.00	51.52 -1.59 0.00	44.40 -0.91 0.00	38.07 -0.74 0.00	34.79 -0.64 0.00
LEDERLE____ 23769	35.71 2.02 0.00	34.18 1.96 0.00	34.33 1.88 0.00	34.08 1.84 0.00	34.79 1.85 0.00	40.68 2.23 0.00	56.94 3.27 0.00	59.11 3.61 0.00	44.65 2.76 0.00	30.83 1.85 0.00	27.69 1.71 0.00	25.37 1.57 0.00	24.90 1.52 0.00	24.33 1.51 0.00	23.59 1.50 0.00	24.51 1.60 0.00	25.84 1.74 0.00	32.91 2.24 0.00	45.12 2.91 0.00	55.94 3.51 0.00	56.57 3.45 0.00	47.93 2.63 0.00	41.14 2.33 0.00	37.45 2.02 0.00
LIGHTHSE_115KV_TB6 355974	33.25 -0.44 0.00	31.79 -0.42 0.00	32.03 -0.42 0.00	31.85 -0.39 0.00	32.59 -0.36 0.00	38.10 -0.35 0.00	53.39 -0.27 0.00	55.06 -0.44 0.00	41.26 -0.63 0.00	28.45 -0.52 0.00	25.46 -0.52 0.00	23.28 -0.52 0.00	22.87 -0.51 0.00	22.30 -0.52 0.00	21.56 -0.53 0.00	22.34 -0.57 0.00	23.43 -0.67 0.00	29.88 -0.80 0.00	41.40 -0.80 0.00	51.75 -0.68 0.00	52.48 -0.64 0.00	44.71 -0.59 0.00	38.23 -0.58 0.00	34.90 -0.53 0.00
LINDEN COGEN____ 23786	36.25 2.56 0.00	34.63 2.42 0.00	34.79 2.34 0.00	34.53 2.29 0.00	35.22 2.27 0.00	41.22 2.77 0.00	57.58 3.92 0.00	59.89 4.38 0.00	55.48 3.35 -10.25	49.08 2.26 -17.84	47.10 2.10 -19.02	46.68 1.90 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.39 1.83 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.04 2.73 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.72 2.95 -1.97	37.98 2.55 0.00
LINDHRST_69_KV_BK1 356055	36.19 2.49 0.00	34.60 2.38 0.00	34.69 2.24 0.00	34.24 2.00 0.00	34.96 2.01 0.00	41.14 2.69 0.00	56.82 3.17 0.00	59.27 3.77 0.00	46.60 3.98 -0.74	32.96 2.69 -1.29	29.85 2.49 -1.38	27.63 2.31 -1.52	26.99 2.24 -1.37	26.40 2.19 -1.39	25.93 2.21 -1.63	26.80 2.36 -1.53	28.12 2.53 -1.49	35.17 3.22 -1.28	46.98 4.22 -0.56	57.89 5.19 -0.27	58.41 5.10 -0.20	49.46 4.17 0.00	42.51 3.57 -0.13	37.63 2.20 0.00
LIPA_MISC_IPP 23656	35.48 1.79 0.00	34.02 1.80 0.00	34.11 1.66 0.00	33.53 1.29 0.00	34.20 1.25 0.00	40.33 1.88 0.00	55.64 1.99 0.00	58.05 2.55 0.00	45.44 2.97 -0.58	31.99 2.00 -1.02	28.98 1.92 -1.08	26.88 1.88 -1.20	26.28 1.82 -1.08	25.70 1.78 -1.09	25.14 1.77 -1.28	26.13 2.02 -1.21	27.42 2.14 -1.17	34.41 2.73 -1.01	45.93 3.29 -0.44	56.78 4.14 -0.21	57.30 4.04 -0.15	48.56 3.26 0.00	41.63 2.72 -0.10	36.85 1.42 0.00
LISF__SOLAR 323691	35.51 1.82 0.00	34.08 1.87 0.00	34.14 1.69 0.00	33.92 1.68 0.00	34.66 1.71 0.00	40.41 1.96 0.00	55.81 2.15 0.00	58.22 2.72 0.00	45.52 3.06 -0.58	31.99 2.00 -1.02	28.99 1.92 -1.09	26.86 1.86 -1.20	26.28 1.82 -1.08	25.70 1.78 -1.10	25.14 1.77 -1.29	26.13 2.02 -1.21	27.42 2.14 -1.18	34.44 2.76 -1.01	46.02 3.38 -0.44	56.99 4.35 -0.21	57.52 4.25 -0.15	48.56 3.26 0.00	41.67 2.76 -0.10	36.99 1.56 0.00



LITTLE FALLS___HYD 24013	33.29 -0.40 0.00	31.89 -0.32 0.00	32.19 -0.26 0.00	32.08 -0.16 0.00	32.85 -0.10 0.00	38.52 0.08 0.00	54.04 0.38 0.00	55.95 0.44 0.00	42.01 0.13 0.00	28.83 -0.14 0.00	25.72 -0.26 0.00	23.54 -0.26 0.00	23.12 -0.26 0.00	22.48 -0.34 0.00	21.76 -0.33 0.00	22.56 -0.34 0.00	23.86 -0.24 0.00	30.49 -0.18 0.00	42.37 0.17 0.00	53.06 0.63 0.00	53.96 0.85 0.00	46.21 0.91 0.00	39.62 0.81 0.00	36.28 0.85 0.00
LITTLRIV_115KV_TB1 356100	38.99 -0.71 -6.00	36.30 -0.61 -4.70	31.90 -0.55 0.00	31.79 -0.45 0.00	32.45 -0.49 0.00	37.79 -0.65 0.00	52.54 -1.13 0.00	54.17 -1.33 0.00	40.80 -1.09 0.00	27.99 -0.99 0.00	24.99 -0.99 0.00	22.82 -0.98 0.00	22.51 -0.87 0.00	21.86 -0.96 0.00	21.12 -0.97 0.00	21.90 -1.01 0.00	23.14 -0.96 0.00	29.66 -1.01 0.00	41.23 -0.97 0.00	51.43 -1.00 0.00	52.26 -0.85 0.00	45.03 -0.27 0.00	38.54 -0.27 0.00	35.22 -0.21 0.00
LI_NEWBRDGE___DRP 323616	35.85 2.16 0.00	34.27 2.06 0.00	34.37 1.91 0.00	33.98 1.74 0.00	34.66 1.71 0.00	40.75 2.31 0.00	56.23 2.58 0.00	58.72 3.22 0.00	46.06 3.69 -0.49	32.41 2.58 -0.86	29.26 2.36 -0.92	26.98 2.17 -1.01	26.39 2.10 -0.91	25.80 2.05 -0.92	25.23 2.05 -1.08	26.08 2.15 -1.02	27.38 2.29 -0.99	34.41 2.88 -0.85	46.29 3.71 -0.37	57.06 4.46 -0.18	57.70 4.46 -0.13	48.92 3.62 0.00	42.08 3.18 -0.09	37.31 1.88 0.00
LOCKPORT_115KV_TB60_63_64 80432	32.75 -0.94 0.00	30.99 -1.22 0.00	31.84 -0.62 0.00	31.40 -0.84 0.00	32.29 -0.66 0.00	37.52 -0.92 0.00	52.05 -1.61 0.00	53.00 -2.50 0.00	40.33 -1.55 0.00	27.64 -1.33 0.00	24.78 -1.19 0.00	23.11 -0.69 0.00	22.44 -0.94 0.00	22.34 -0.48 0.00	21.69 -0.40 0.00	22.27 -0.64 0.00	22.80 -1.30 0.00	28.59 -2.09 0.00	39.88 -2.32 0.00	49.55 -2.88 0.00	50.40 -2.71 0.00	43.17 -2.13 0.00	37.10 -1.71 0.00	34.51 -0.92 0.00
LOCKPORT___CC1 323769	32.75 -0.94 0.00	31.02 -1.19 0.00	31.83 -0.62 0.00	31.24 -1.00 0.00	32.09 -0.86 0.00	37.56 -0.88 0.00	52.05 -1.61 0.00	53.01 -2.50 0.00	40.29 -1.59 0.00	27.67 -1.30 0.00	24.81 -1.17 0.00	23.13 -0.67 0.00	22.49 -0.89 0.00	22.39 -0.43 0.00	21.71 -0.38 0.00	22.29 -0.62 0.00	22.94 -1.16 0.00	28.62 -2.05 0.00	39.88 -2.32 0.00	49.49 -2.93 0.00	50.35 -2.76 0.00	43.17 -2.13 0.00	37.18 -1.63 0.00	34.33 -1.10 0.00
LOCKPORT___CC2 323770	32.75 -0.94 0.00	31.02 -1.19 0.00	31.83 -0.62 0.00	31.24 -1.00 0.00	32.09 -0.86 0.00	37.56 -0.88 0.00	52.05 -1.61 0.00	53.01 -2.50 0.00	40.29 -1.59 0.00	27.67 -1.30 0.00	24.81 -1.17 0.00	23.13 -0.67 0.00	22.49 -0.89 0.00	22.39 -0.43 0.00	21.71 -0.38 0.00	22.29 -0.62 0.00	22.94 -1.16 0.00	28.62 -2.05 0.00	39.88 -2.32 0.00	49.49 -2.93 0.00	50.35 -2.76 0.00	43.17 -2.13 0.00	37.18 -1.63 0.00	34.33 -1.10 0.00
LOCKPORT___CC3 323771	32.75 -0.94 0.00	31.02 -1.19 0.00	31.83 -0.62 0.00	31.24 -1.00 0.00	32.09 -0.86 0.00	37.56 -0.88 0.00	52.05 -1.61 0.00	53.01 -2.50 0.00	40.29 -1.59 0.00	27.67 -1.30 0.00	24.81 -1.17 0.00	23.13 -0.67 0.00	22.49 -0.89 0.00	22.39 -0.43 0.00	21.71 -0.38 0.00	22.29 -0.62 0.00	22.94 -1.16 0.00	28.62 -2.05 0.00	39.88 -2.32 0.00	49.49 -2.93 0.00	50.35 -2.76 0.00	43.17 -2.13 0.00	37.18 -1.63 0.00	34.33 -1.10 0.00
LONG_LAKE_PHOENIX 24014	33.15 -0.54 0.00	31.66 -0.55 0.00	31.90 -0.55 0.00	31.69 -0.55 0.00	32.42 -0.53 0.00	37.83 -0.62 0.00	52.91 -0.75 0.00	54.67 -0.83 0.00	41.17 -0.71 0.00	28.54 -0.43 0.00	25.53 -0.44 0.00	23.39 -0.40 0.00	22.98 -0.40 0.00	22.46 -0.37 0.00	21.71 -0.38 0.00	22.50 -0.41 0.00	23.59 -0.51 0.00	29.97 -0.71 0.00	41.32 -0.89 0.00	51.43 -1.00 0.00	52.10 -1.01 0.00	44.40 -0.91 0.00	37.96 -0.85 0.00	34.65 -0.78 0.00
LOVETT___3 23632	35.65 1.95 0.00	34.11 1.90 0.00	34.24 1.78 0.00	33.98 1.74 0.00	34.69 1.75 0.00	40.60 2.15 0.00	56.78 3.11 0.00	58.94 3.44 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.64 1.66 0.00	25.30 1.50 0.00	24.85 1.47 0.00	24.26 1.44 0.00	23.52 1.44 0.00	24.44 1.53 0.00	25.79 1.69 0.00	32.85 2.18 0.00	44.99 2.79 0.00	55.78 3.36 0.00	56.35 3.24 0.00	47.84 2.54 0.00	41.02 2.21 0.00	37.31 1.88 0.00
LOVETT___4 23642	35.65 1.95 0.00	34.11 1.90 0.00	34.24 1.78 0.00	33.98 1.74 0.00	34.69 1.75 0.00	40.60 2.15 0.00	56.78 3.11 0.00	58.94 3.44 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.64 1.66 0.00	25.30 1.50 0.00	24.85 1.47 0.00	24.26 1.44 0.00	23.52 1.44 0.00	24.44 1.53 0.00	25.79 1.69 0.00	32.85 2.18 0.00	44.99 2.79 0.00	55.78 3.36 0.00	56.35 3.24 0.00	47.84 2.54 0.00	41.02 2.21 0.00	37.31 1.88 0.00
LOVETT___5 23593	35.65 1.95 0.00	34.11 1.90 0.00	34.24 1.78 0.00	33.98 1.74 0.00	34.69 1.75 0.00	40.60 2.15 0.00	56.78 3.11 0.00	58.94 3.44 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.64 1.66 0.00	25.30 1.50 0.00	24.85 1.47 0.00	24.26 1.44 0.00	23.52 1.44 0.00	24.44 1.53 0.00	25.79 1.69 0.00	32.85 2.18 0.00	44.99 2.79 0.00	55.78 3.36 0.00	56.35 3.24 0.00	47.84 2.54 0.00	41.02 2.21 0.00	37.31 1.88 0.00
LOWER RAQUET___HYD 24057	38.89 -1.31 -6.51	36.12 -1.19 -5.10	31.32 -1.14 0.00	31.21 -1.03 0.00	31.86 -1.09 0.00	37.06 -1.38 0.00	51.46 -2.20 0.00	53.12 -2.38 0.00	40.08 -1.80 0.00	27.61 -1.36 0.00	24.70 -1.27 0.00	22.56 -1.24 0.00	22.26 -1.12 0.00	21.61 -1.21 0.00	20.87 -1.21 0.00	21.65 -1.26 0.00	22.85 -1.25 0.00	29.26 -1.41 0.00	40.60 -1.60 0.00	50.49 -1.94 0.00	51.31 -1.81 0.00	44.17 -1.13 0.00	37.88 -0.93 0.00	34.62 -0.81 0.00
LOWER___HUDSON 24059	35.01 1.31 0.00	33.44 1.22 0.00	33.65 1.20 0.00	33.40 1.16 0.00	34.23 1.28 0.00	40.06 1.61 0.00	56.02 2.36 0.00	58.00 2.50 0.00	43.60 1.72 0.00	30.05 1.07 0.00	26.89 0.91 0.00	24.58 0.78 0.00	24.13 0.75 0.00	23.53 0.71 0.00	22.79 0.71 0.00	23.66 0.75 0.00	24.99 0.89 0.00	31.90 1.23 0.00	43.94 1.73 0.00	54.58 2.15 0.00	55.29 2.18 0.00	47.12 1.81 0.00	40.25 1.44 0.00	36.71 1.27 0.00
LOWVILLE_115KV_TB2 356335	35.33 -0.24 -1.87	33.58 -0.10 -1.46	32.39 -0.06 0.00	32.21 -0.03 0.00	32.92 -0.03 0.00	38.64 0.19 0.00	54.41 0.75 0.00	56.11 0.61 0.00	41.84 -0.04 0.00	28.63 -0.35 0.00	25.46 -0.52 0.00	23.23 -0.57 0.00	22.82 -0.56 0.00	22.14 -0.68 0.00	21.43 -0.66 0.00	22.22 -0.69 0.00	23.50 -0.60 0.00	30.12 -0.55 0.00	42.12 -0.08 0.00	52.90 0.47 0.00	53.64 0.53 0.00	45.80 0.50 0.00	39.00 0.19 0.00	35.54 0.11 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	35.38 1.68 0.00	33.79 1.58 0.00	34.04 1.59 0.00	33.79 1.55 0.00	34.96 2.01 0.00	40.95 2.50 0.00	57.42 3.76 0.00	59.22 3.72 0.00	44.36 2.47 0.00	30.45 1.48 0.00	27.12 1.14 0.00	24.75 0.95 0.00	24.29 0.91 0.00	23.64 0.82 0.00	22.86 0.77 0.00	23.78 0.87 0.00	25.18 1.08 0.00	32.11 1.44 0.00	44.44 2.24 0.00	55.31 2.88 0.00	56.25 3.13 0.00	47.88 2.58 0.00	40.83 2.02 0.00	37.24 1.81 0.00



LUTHERNY_35_KV_BK2 355980	35.41 1.72 0.00	33.82 1.61 0.00	34.04 1.59 0.00	33.79 1.55 0.00	34.96 2.01 0.00	40.98 2.54 0.00	57.47 3.81 0.00	59.28 3.77 0.00	44.40 2.51 0.00	30.45 1.48 0.00	27.15 1.17 0.00	24.75 0.95 0.00	24.29 0.91 0.00	23.67 0.84 0.00	22.88 0.80 0.00	23.78 0.87 0.00	25.18 1.08 0.00	32.11 1.44 0.00	44.44 2.24 0.00	55.36 2.94 0.00	56.30 3.19 0.00	47.93 2.63 0.00	40.87 2.06 0.00	37.27 1.84 0.00
LWR___OSWEGATCHIE_HYD 23850	37.17 -0.94 -4.42	34.87 -0.81 -3.46	31.67 -0.78 0.00	31.53 -0.71 0.00	32.22 -0.72 0.00	37.68 -0.77 0.00	52.75 -0.91 0.00	54.39 -1.11 0.00	40.75 -1.13 0.00	27.96 -1.01 0.00	24.94 -1.04 0.00	22.75 -1.05 0.00	22.40 -0.98 0.00	21.75 -1.07 0.00	21.01 -1.08 0.00	21.81 -1.10 0.00	23.02 -1.08 0.00	29.51 -1.17 0.00	41.11 -1.10 0.00	51.43 -1.00 0.00	52.26 -0.85 0.00	44.76 -0.54 0.00	38.23 -0.58 0.00	34.86 -0.57 0.00
LYONS_FALL_HYD 23570	35.12 0.17 -1.26	33.42 0.23 -0.98	32.68 0.23 0.00	32.50 0.26 0.00	33.21 0.26 0.00	38.94 0.50 0.00	54.79 1.13 0.00	56.55 1.05 0.00	42.30 0.42 0.00	28.98 0.00 0.00	25.82 -0.15 0.00	23.56 -0.24 0.00	23.15 -0.23 0.00	22.50 -0.32 0.00	21.78 -0.31 0.00	22.59 -0.32 0.00	23.86 -0.24 0.00	30.55 -0.12 0.00	42.54 0.34 0.00	53.26 0.84 0.00	54.02 0.90 0.00	46.07 0.77 0.00	39.28 0.47 0.00	35.79 0.35 0.00
MADISON___COUNTY_LFGE 323628	34.64 0.94 0.00	33.08 0.87 0.00	33.33 0.88 0.00	33.11 0.87 0.00	33.87 0.92 0.00	39.64 1.19 0.00	55.76 2.09 0.00	57.50 2.00 0.00	43.14 1.26 0.00	29.61 0.64 0.00	26.39 0.42 0.00	24.13 0.33 0.00	23.68 0.30 0.00	23.07 0.25 0.00	22.33 0.24 0.00	23.16 0.25 0.00	24.41 0.31 0.00	31.19 0.52 0.00	43.26 1.06 0.00	54.11 1.68 0.00	54.81 1.70 0.00	46.71 1.40 0.00	39.86 1.05 0.00	36.35 0.92 0.00
MALONE___115KV_TB1 356076	60.26 -1.31 -27.88	52.85 -1.19 -21.83	31.35 -1.10 0.00	31.31 -0.94 0.00	31.96 -0.99 0.00	37.06 -1.38 0.00	51.78 -1.88 0.00	53.50 -2.00 0.00	40.29 -1.59 0.00	27.82 -1.16 0.00	24.91 -1.07 0.00	22.78 -1.02 0.00	22.49 -0.89 0.00	21.86 -0.96 0.00	21.05 -1.04 0.00	21.85 -1.05 0.00	23.09 -1.01 0.00	29.57 -1.10 0.00	41.11 -1.10 0.00	51.54 -0.89 0.00	52.53 -0.58 0.00	44.94 -0.36 0.00	38.58 -0.23 0.00	35.33 -0.11 0.00
MAPLEWOD_115KV_TB3 80458	34.84 1.15 0.00	33.31 1.10 0.00	33.49 1.04 0.00	33.24 1.00 0.00	34.00 1.05 0.00	39.72 1.27 0.00	55.43 1.77 0.00	57.39 1.89 0.00	43.27 1.38 0.00	29.93 0.96 0.00	26.83 0.86 0.00	24.56 0.76 0.00	24.10 0.72 0.00	23.51 0.68 0.00	22.77 0.68 0.00	23.64 0.73 0.00	24.97 0.87 0.00	31.84 1.17 0.00	43.68 1.48 0.00	54.16 1.73 0.00	54.87 1.75 0.00	46.75 1.45 0.00	39.97 1.16 0.00	36.46 1.03 0.00
MAPLE_RIDGE_WT_1 323574	33.05 -0.64 0.00	31.66 -0.55 0.00	31.97 -0.49 0.00	31.79 -0.45 0.00	32.46 -0.49 0.00	37.83 -0.62 0.00	52.80 -0.86 0.00	54.61 -0.89 0.00	41.26 -0.63 0.00	28.51 -0.46 0.00	25.56 -0.42 0.00	23.42 -0.38 0.00	23.00 -0.37 0.00	22.41 -0.41 0.00	21.65 -0.44 0.00	22.43 -0.48 0.00	23.62 -0.48 0.00	30.12 -0.55 0.00	41.57 -0.63 0.00	51.75 -0.68 0.00	52.37 -0.74 0.00	44.71 -0.59 0.00	38.34 -0.46 0.00	35.04 -0.39 0.00
MAPLE_RIDGE_WT_2 323611	33.05 -0.64 0.00	31.66 -0.55 0.00	31.97 -0.49 0.00	31.79 -0.45 0.00	32.46 -0.49 0.00	37.83 -0.62 0.00	52.80 -0.86 0.00	54.61 -0.89 0.00	41.26 -0.63 0.00	28.51 -0.46 0.00	25.56 -0.42 0.00	23.42 -0.38 0.00	23.00 -0.37 0.00	22.41 -0.41 0.00	21.65 -0.44 0.00	22.43 -0.48 0.00	23.62 -0.48 0.00	30.12 -0.55 0.00	41.57 -0.63 0.00	51.75 -0.68 0.00	52.37 -0.74 0.00	44.71 -0.59 0.00	38.34 -0.46 0.00	35.04 -0.39 0.00
MARBLE_RIVER_WT_PWR 323696	-6.86 -1.65 38.90	0.24 -1.51 30.46	30.99 -1.46 0.00	30.95 -1.29 0.00	31.60 -1.35 0.00	36.72 -1.73 0.00	51.19 -2.47 0.00	52.89 -2.61 0.00	39.83 -2.05 0.00	27.61 -1.36 0.00	24.78 -1.19 0.00	22.68 -1.12 0.00	22.35 -1.03 0.00	21.73 -1.10 0.00	20.98 -1.10 0.00	21.76 -1.14 0.00	22.97 -1.13 0.00	29.41 -1.26 0.00	40.81 -1.39 0.00	51.17 -1.26 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.34 -0.46 0.00	35.15 -0.28 0.00
MARSHVLE_115KV_TB1 80742	36.12 2.43 0.00	34.47 2.25 0.00	34.69 2.24 0.00	34.47 2.22 0.00	35.29 2.34 0.00	41.56 3.11 0.00	58.60 4.94 0.00	60.05 4.55 0.00	44.10 2.22 0.00	29.79 0.81 0.00	26.39 0.42 0.00	24.06 0.26 0.00	23.59 0.21 0.00	22.96 0.14 0.00	22.11 0.02 0.00	22.98 0.07 0.00	24.32 0.22 0.00	31.50 0.83 0.00	44.69 2.49 0.00	56.57 4.14 0.00	57.68 4.57 0.00	49.11 3.81 0.00	41.68 2.87 0.00	37.98 2.55 0.00
MARSH_HILL_WT_PWR 323713	33.39 -0.30 0.00	31.83 -0.39 0.00	32.48 0.03 0.00	32.18 -0.06 0.00	33.11 0.17 0.00	38.91 0.46 0.00	54.63 0.97 0.00	55.67 0.17 0.00	41.88 0.00 0.00	28.51 -0.46 0.00	25.35 -0.62 0.00	23.44 -0.36 0.00	22.93 -0.44 0.00	22.64 -0.18 0.00	21.89 -0.20 0.00	22.54 -0.37 0.00	23.45 -0.65 0.00	29.85 -0.83 0.00	42.04 -0.17 0.00	52.75 0.32 0.00	53.59 0.48 0.00	45.75 0.45 0.00	39.16 0.35 0.00	36.10 0.67 0.00
MCINTYRE_115KV_TB2 80467	38.61 -0.27 -5.18	36.08 -0.19 -4.06	32.32 -0.13 0.00	32.21 -0.03 0.00	32.88 -0.07 0.00	38.29 -0.15 0.00	53.23 -0.43 0.00	54.78 -0.72 0.00	41.21 -0.67 0.00	28.25 -0.72 0.00	25.22 -0.75 0.00	23.06 -0.74 0.00	22.72 -0.65 0.00	22.07 -0.75 0.00	21.31 -0.77 0.00	22.13 -0.78 0.00	23.38 -0.72 0.00	29.97 -0.71 0.00	41.70 -0.51 0.00	52.06 -0.37 0.00	52.90 -0.21 0.00	45.53 0.23 0.00	39.00 0.19 0.00	35.64 0.21 0.00
MECO_____69_KV_BK1 80468	36.56 2.86 0.00	34.85 2.64 0.00	35.11 2.66 0.00	34.85 2.61 0.00	35.72 2.77 0.00	42.06 3.61 0.00	59.35 5.69 0.00	60.89 5.38 0.00	44.86 2.97 0.00	30.34 1.36 0.00	26.83 0.86 0.00	24.44 0.64 0.00	23.99 0.61 0.00	23.32 0.50 0.00	22.51 0.42 0.00	23.39 0.48 0.00	24.82 0.72 0.00	32.14 1.47 0.00	45.41 3.21 0.00	57.25 4.82 0.00	58.48 5.36 0.00	49.70 4.39 0.00	42.19 3.38 0.00	38.41 2.98 0.00
MENANDS___115KV_TB5 355628	34.67 0.98 0.00	33.18 0.97 0.00	33.36 0.91 0.00	33.11 0.87 0.00	33.87 0.92 0.00	39.52 1.08 0.00	55.11 1.45 0.00	57.11 1.61 0.00	43.10 1.21 0.00	29.84 0.87 0.00	26.76 0.78 0.00	24.49 0.69 0.00	24.06 0.68 0.00	23.46 0.64 0.00	22.73 0.64 0.00	23.59 0.69 0.00	24.92 0.82 0.00	31.75 1.07 0.00	43.51 1.31 0.00	53.90 1.47 0.00	54.60 1.49 0.00	46.53 1.22 0.00	39.78 0.97 0.00	36.32 0.89 0.00
MG INDUSTRY___DRP 24185	34.67 0.98 0.00	33.18 0.97 0.00	33.39 0.94 0.00	33.14 0.90 0.00	33.87 0.92 0.00	39.56 1.11 0.00	55.11 1.45 0.00	56.94 1.44 0.00	42.85 0.96 0.00	29.58 0.61 0.00	26.50 0.52 0.00	24.23 0.43 0.00	23.78 0.40 0.00	23.19 0.37 0.00	22.46 0.38 0.00	23.32 0.41 0.00	24.63 0.53 0.00	31.44 0.77 0.00	43.26 1.06 0.00	53.74 1.31 0.00	54.49 1.38 0.00	46.48 1.18 0.00	39.78 0.97 0.00	36.32 0.89 0.00



MID___OSWEGATCHIE_HYD 23849	37.17 -0.94 -4.42	34.87 -0.81 -3.46	31.67 -0.78 0.00	31.53 -0.71 0.00	32.22 -0.72 0.00	37.68 -0.77 0.00	52.75 -0.91 0.00	54.39 -1.11 0.00	40.75 -1.13 0.00	27.96 -1.01 0.00	24.94 -1.04 0.00	22.75 -1.05 0.00	22.40 -0.98 0.00	21.75 -1.07 0.00	21.01 -1.08 0.00	21.81 -1.10 0.00	23.02 -1.08 0.00	29.51 -1.17 0.00	41.11 -1.10 0.00	51.43 -1.00 0.00	52.26 -0.85 0.00	44.76 -0.54 0.00	38.23 -0.58 0.00	34.86 -0.57 0.00
MID___RAQUETTE_HYD 23851	38.89 -1.31 -6.51	36.12 -1.19 -5.10	31.32 -1.14 0.00	31.21 -1.03 0.00	31.83 -1.12 0.00	37.06 -1.38 0.00	51.46 -2.20 0.00	53.12 -2.39 0.00	40.12 -1.76 0.00	27.61 -1.36 0.00	24.70 -1.27 0.00	22.56 -1.24 0.00	22.26 -1.12 0.00	21.61 -1.21 0.00	20.87 -1.21 0.00	21.65 -1.26 0.00	22.87 -1.23 0.00	29.26 -1.41 0.00	40.60 -1.60 0.00	50.49 -1.94 0.00	51.31 -1.81 0.00	44.17 -1.13 0.00	37.88 -0.93 0.00	34.58 -0.85 0.00
MILLIKEN___1 23584	34.57 0.88 0.00	32.99 0.77 0.00	33.23 0.78 0.00	33.05 0.81 0.00	33.84 0.89 0.00	39.52 1.08 0.00	55.43 1.77 0.00	56.83 1.33 0.00	42.76 0.88 0.00	29.44 0.46 0.00	26.24 0.26 0.00	24.04 0.24 0.00	23.61 0.23 0.00	23.07 0.25 0.00	22.31 0.22 0.00	23.11 0.21 0.00	24.25 0.14 0.00	30.92 0.25 0.00	42.96 0.76 0.00	53.69 1.26 0.00	54.39 1.27 0.00	46.30 1.00 0.00	39.55 0.74 0.00	36.14 0.71 0.00
MILLIKEN___2 23585	34.57 0.88 0.00	32.99 0.77 0.00	33.23 0.78 0.00	33.05 0.81 0.00	33.84 0.89 0.00	39.52 1.08 0.00	55.43 1.77 0.00	56.83 1.33 0.00	42.76 0.88 0.00	29.44 0.46 0.00	26.24 0.26 0.00	24.04 0.24 0.00	23.61 0.23 0.00	23.07 0.25 0.00	22.31 0.22 0.00	23.11 0.21 0.00	24.25 0.14 0.00	30.92 0.25 0.00	42.96 0.76 0.00	53.69 1.26 0.00	54.39 1.27 0.00	46.30 1.00 0.00	39.55 0.74 0.00	36.14 0.71 0.00
MILLIKEN___DIESEL 23629	34.57 0.88 0.00	32.99 0.77 0.00	33.23 0.78 0.00	33.05 0.81 0.00	33.84 0.89 0.00	39.52 1.08 0.00	55.43 1.77 0.00	56.83 1.33 0.00	42.76 0.88 0.00	29.44 0.46 0.00	26.24 0.26 0.00	24.04 0.24 0.00	23.61 0.23 0.00	23.07 0.25 0.00	22.31 0.22 0.00	23.11 0.21 0.00	24.25 0.14 0.00	30.92 0.25 0.00	42.96 0.76 0.00	53.69 1.26 0.00	54.39 1.27 0.00	46.30 1.00 0.00	39.55 0.74 0.00	36.14 0.71 0.00
MILLSEAT___LFGE 323607	33.36 -0.34 0.00	31.57 -0.64 0.00	32.36 -0.10 0.00	31.82 -0.42 0.00	32.62 -0.33 0.00	38.26 -0.19 0.00	53.18 -0.48 0.00	54.28 -1.22 0.00	41.13 -0.75 0.00	28.13 -0.84 0.00	25.20 -0.78 0.00	23.42 -0.38 0.00	22.80 -0.58 0.00	22.66 -0.16 0.00	21.96 -0.13 0.00	22.52 -0.39 0.00	23.18 -0.92 0.00	29.08 -1.60 0.00	40.69 -1.52 0.00	50.65 -1.78 0.00	51.63 -1.49 0.00	44.12 -1.18 0.00	37.92 -0.89 0.00	34.86 -0.57 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	35.78 2.09 0.00	34.24 2.03 0.00	34.40 1.95 0.00	34.11 1.87 0.00	34.79 1.85 0.00	40.75 2.31 0.00	56.99 3.33 0.00	59.22 3.72 0.00	45.00 2.81 -0.31	31.37 1.85 -0.54	28.30 1.74 -0.58	26.01 1.57 -0.64	25.50 1.54 -0.58	24.91 1.51 -0.58	24.27 1.50 -0.68	25.15 1.60 -0.64	26.51 1.78 -0.63	33.48 2.27 -0.54	45.44 3.00 -0.24	56.16 3.62 -0.12	56.70 3.51 -0.09	48.11 2.81 0.00	41.27 2.41 -0.06	37.49 2.06 0.00
MILLWOOD_13_KV_LOAD 356217	35.85 2.16 0.00	34.31 2.09 0.00	34.43 1.98 0.00	34.18 1.93 0.00	34.86 1.91 0.00	40.83 2.38 0.00	57.15 3.49 0.00	59.39 3.89 0.00	45.09 2.89 -0.31	31.40 1.88 -0.54	28.32 1.77 -0.58	26.03 1.59 -0.64	25.52 1.57 -0.58	24.94 1.53 -0.58	24.30 1.52 -0.68	25.18 1.63 -0.64	26.53 1.81 -0.63	33.54 2.33 -0.54	45.52 3.08 -0.24	56.27 3.72 -0.12	56.86 3.66 -0.09	48.16 2.85 0.00	41.35 2.48 -0.06	37.56 2.13 0.00
MODEL_CITY_ENERGY 24167	32.38 -1.31 0.00	30.67 -1.55 0.00	31.48 -0.97 0.00	30.89 -1.35 0.00	31.70 -1.25 0.00	37.10 -1.35 0.00	51.41 -2.25 0.00	52.34 -3.16 0.00	39.83 -2.05 0.00	27.35 -1.62 0.00	24.55 -1.43 0.00	22.89 -0.90 0.00	22.26 -1.12 0.00	22.16 -0.66 0.00	21.49 -0.60 0.00	22.08 -0.82 0.00	22.70 -1.40 0.00	28.31 -2.36 0.00	39.42 -2.79 0.00	48.92 -3.51 0.00	49.71 -3.40 0.00	42.63 -2.67 0.00	36.71 -2.10 0.00	33.94 -1.49 0.00
MODERN_LFGE___ 323580	32.38 -1.31 0.00	30.67 -1.55 0.00	31.48 -0.97 0.00	30.89 -1.35 0.00	31.70 -1.25 0.00	37.10 -1.35 0.00	51.41 -2.25 0.00	52.34 -3.16 0.00	39.83 -2.05 0.00	27.35 -1.62 0.00	24.55 -1.43 0.00	22.89 -0.90 0.00	22.26 -1.12 0.00	22.16 -0.66 0.00	21.49 -0.60 0.00	22.08 -0.82 0.00	22.70 -1.40 0.00	28.31 -2.36 0.00	39.42 -2.79 0.00	48.92 -3.51 0.00	49.71 -3.40 0.00	42.63 -2.67 0.00	36.71 -2.10 0.00	33.94 -1.49 0.00
MOHAWK_PAPER___DRP 24187	34.84 1.15 0.00	33.31 1.10 0.00	33.49 1.04 0.00	33.24 1.00 0.00	34.00 1.05 0.00	39.72 1.27 0.00	55.43 1.77 0.00	57.39 1.89 0.00	43.27 1.38 0.00	29.93 0.96 0.00	26.83 0.86 0.00	24.56 0.76 0.00	24.10 0.72 0.00	23.51 0.68 0.00	22.77 0.68 0.00	23.64 0.73 0.00	24.97 0.87 0.00	31.84 1.17 0.00	43.68 1.48 0.00	54.16 1.73 0.00	54.87 1.75 0.00	46.75 1.45 0.00	39.97 1.16 0.00	36.46 1.03 0.00
MOHICAN___35_KV_115KV_LD 80490	35.61 1.92 0.00	34.02 1.80 0.00	34.24 1.78 0.00	33.98 1.74 0.00	34.99 2.04 0.00	41.14 2.69 0.00	57.90 4.24 0.00	59.83 4.33 0.00	44.73 2.85 0.00	30.60 1.62 0.00	27.20 1.22 0.00	24.77 0.98 0.00	24.31 0.94 0.00	23.64 0.82 0.00	22.84 0.75 0.00	23.76 0.85 0.00	25.18 1.08 0.00	32.14 1.47 0.00	44.61 2.41 0.00	55.73 3.30 0.00	56.78 3.66 0.00	48.29 2.99 0.00	41.10 2.29 0.00	37.45 2.02 0.00
MONGAUP___HYD 23641	35.38 1.68 0.00	33.92 1.71 0.00	34.07 1.62 0.00	33.82 1.58 0.00	34.60 1.65 0.00	40.41 1.96 0.00	56.35 2.68 0.00	57.72 2.22 0.00	43.81 1.93 0.00	30.34 1.36 0.00	27.17 1.20 0.00	24.84 1.05 0.00	24.41 1.03 0.00	23.85 1.03 0.00	23.13 1.04 0.00	24.05 1.14 0.00	25.35 1.25 0.00	32.39 1.72 0.00	44.65 2.45 0.00	55.10 2.67 0.00	55.82 2.71 0.00	47.57 2.26 0.00	40.83 2.02 0.00	37.24 1.81 0.00
MONTAUK___DIESEL 23721	34.97 1.28 0.00	33.60 1.39 0.00	33.65 1.20 0.00	33.08 0.84 0.00	33.74 0.79 0.00	39.83 1.38 0.00	55.21 1.56 0.00	57.66 2.16 0.00	45.06 2.60 -0.58	31.62 1.62 -1.02	28.46 1.40 -1.09	26.40 1.40 -1.20	25.74 1.29 -1.08	25.10 1.19 -1.09	24.54 1.17 -1.28	25.56 1.44 -1.21	26.84 1.57 -1.17	33.73 2.06 -1.01	44.96 2.32 -0.44	55.73 3.09 -0.21	56.29 3.03 -0.15	47.79 2.49 0.00	40.89 1.98 -0.10	36.42 0.99 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	34.40 0.71 0.00	32.76 0.55 0.00	33.65 1.20 0.00	33.31 1.06 0.00	34.33 1.38 0.00	39.95 1.50 0.00	55.97 2.31 0.00	56.89 1.39 0.00	43.35 1.47 0.00	29.44 0.46 0.00	26.31 0.34 0.00	24.44 0.64 0.00	23.73 0.35 0.00	23.51 0.68 0.00	22.79 0.71 0.00	23.39 0.48 0.00	24.15 0.05 0.00	30.52 -0.15 0.00	42.71 0.51 0.00	53.16 0.73 0.00	53.96 0.85 0.00	45.94 0.63 0.00	39.12 0.31 0.00	36.25 0.81 0.00



MORRIS RIDGE___SOLAR 323848	33.42 -0.27 0.00	31.79 -0.42 0.00	32.48 0.03 0.00	32.08 -0.16 0.00	32.95 0.00 0.00	38.60 0.15 0.00	53.88 0.22 0.00	54.72 -0.78 0.00	41.13 -0.75 0.00	28.05 -0.93 0.00	25.04 -0.93 0.00	23.20 -0.59 0.00	22.65 -0.72 0.00	22.41 -0.41 0.00	21.69 -0.40 0.00	22.31 -0.60 0.00	23.16 -0.94 0.00	29.29 -1.38 0.00	41.15 -1.05 0.00	51.59 -0.84 0.00	52.42 -0.69 0.00	44.80 -0.50 0.00	38.42 -0.39 0.00	35.47 0.04 0.00
MORTIMER_115KV_TB3 55949	33.42 -0.27 0.00	31.73 -0.48 0.00	32.26 -0.19 0.00	31.95 -0.29 0.00	32.72 -0.23 0.00	38.18 -0.27 0.00	53.23 -0.43 0.00	54.84 -0.67 0.00	41.47 -0.42 0.00	28.54 -0.43 0.00	25.56 -0.42 0.00	23.58 -0.21 0.00	23.05 -0.33 0.00	22.73 -0.09 0.00	22.02 -0.07 0.00	22.68 -0.23 0.00	23.47 -0.63 0.00	29.69 -0.98 0.00	41.28 -0.93 0.00	51.43 -1.00 0.00	52.32 -0.80 0.00	44.53 -0.77 0.00	38.19 -0.62 0.00	35.01 -0.43 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	36.19 2.49 0.00	34.60 2.38 0.00	34.76 2.30 0.00	34.47 2.22 0.00	35.12 2.17 0.00	41.14 2.69 0.00	57.59 3.92 -0.01	59.84 4.33 -0.01	39.39 3.31 5.80	21.07 2.20 10.11	17.26 2.05 10.77	13.77 1.86 11.88	14.50 1.82 10.70	13.74 1.78 10.86	11.15 1.79 12.72	12.82 1.88 11.97	14.52 2.07 11.65	23.35 2.67 9.99	41.31 3.50 4.39	62.01 4.25 -5.33	61.20 4.14 -3.94	48.62 3.35 0.04	40.57 2.87 1.11	37.88 2.44 0.00
MUNSVILLE_WIND_PWR 323609	36.29 2.59 0.00	34.60 2.38 0.00	34.95 2.50 0.00	34.76 2.52 0.00	35.62 2.67 0.00	41.91 3.46 0.00	59.57 5.90 0.00	65.05 9.55 0.00	47.33 5.44 0.00	31.32 2.35 0.00	27.15 1.17 0.00	24.63 0.83 0.00	24.08 0.70 0.00	23.21 0.39 0.00	22.53 0.44 0.00	23.48 0.57 0.00	25.14 1.04 0.00	31.96 1.29 0.00	45.24 3.04 0.00	57.31 4.88 0.00	58.05 4.94 0.00	49.42 4.12 0.00	42.03 3.22 0.00	38.37 2.94 0.00
N SALMON___HYD 24042	60.26 -1.31 -27.88	52.85 -1.19 -21.83	31.35 -1.10 0.00	31.34 -0.90 0.00	31.96 -0.99 0.00	37.06 -1.38 0.00	51.78 -1.88 0.00	53.51 -2.00 0.00	40.25 -1.63 0.00	27.82 -1.16 0.00	24.91 -1.07 0.00	22.78 -1.02 0.00	22.49 -0.89 0.00	21.86 -0.96 0.00	21.05 -1.04 0.00	21.85 -1.05 0.00	23.09 -1.01 0.00	29.57 -1.10 0.00	41.11 -1.10 0.00	51.54 -0.89 0.00	52.53 -0.58 0.00	44.94 -0.36 0.00	38.58 -0.23 0.00	35.33 -0.11 0.00
N.AKRON__115KV_KNAPP 355671	33.32 -0.37 0.00	31.54 -0.68 0.00	32.32 -0.13 0.00	31.92 -0.32 0.00	32.78 -0.16 0.00	38.18 -0.27 0.00	53.07 -0.59 0.00	54.17 -1.33 0.00	41.09 -0.80 0.00	28.14 -0.84 0.00	25.17 -0.81 0.00	23.39 -0.40 0.00	22.77 -0.61 0.00	22.62 -0.21 0.00	21.93 -0.15 0.00	22.50 -0.41 0.00	23.09 -1.01 0.00	29.05 -1.63 0.00	40.64 -1.56 0.00	50.59 -1.84 0.00	51.57 -1.54 0.00	44.03 -1.27 0.00	37.80 -1.01 0.00	35.01 -0.43 0.00
N.BELMOR_69_KV_BK1 55787	36.08 2.39 0.00	34.47 2.25 0.00	34.56 2.11 0.00	34.18 1.93 0.00	34.86 1.91 0.00	40.98 2.54 0.00	56.66 3.01 0.00	59.16 3.66 0.00	46.83 3.85 -1.09	33.53 2.64 -1.91	30.46 2.44 -2.04	28.29 2.24 -2.25	27.58 2.17 -2.03	27.00 2.12 -2.06	26.64 2.14 -2.41	27.42 2.24 -2.27	28.72 2.41 -2.21	35.60 3.04 -1.89	47.00 3.97 -0.83	57.60 4.77 -0.40	58.19 4.78 -0.29	49.15 3.85 0.00	42.39 3.38 -0.20	37.52 2.09 0.00
N.E_GEN_SANDY PD 24062	35.17 1.48 0.00	33.63 1.42 0.00	33.82 1.36 0.00	33.56 1.32 0.00	34.30 1.35 0.00	40.06 1.61 0.00	55.86 2.20 0.00	58.00 2.50 0.00	43.72 1.84 0.00	30.22 1.25 0.00	27.15 1.17 0.00	24.84 1.05 0.00	24.41 1.03 0.00	23.80 0.98 0.00	23.10 1.02 0.00	23.98 1.08 0.00	25.30 1.20 0.00	32.27 1.59 0.00	44.23 2.03 0.00	54.79 2.36 0.00	55.40 2.28 0.00	47.16 1.86 0.00	40.36 1.55 0.00	36.78 1.35 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	35.68 1.99 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.02 1.77 0.00	34.73 1.78 0.00	40.64 2.19 0.00	56.83 3.17 0.00	59.06 3.55 0.00	44.56 2.68 0.00	30.77 1.80 0.00	27.66 1.69 0.00	25.32 1.52 0.00	24.88 1.50 0.00	24.28 1.46 0.00	23.55 1.46 0.00	24.47 1.56 0.00	25.81 1.71 0.00	32.88 2.21 0.00	45.07 2.87 0.00	55.89 3.46 0.00	56.46 3.35 0.00	47.84 2.54 0.00	41.02 2.21 0.00	37.34 1.91 0.00
N.QUEENS_27_KV_LOAD 356247	36.33 2.63 -0.01	34.77 2.54 -0.01	34.86 2.40 -0.01	34.57 2.32 -0.01	35.30 2.34 -0.01	41.30 2.85 -0.01	57.97 4.29 -0.01	60.29 4.77 -0.01	57.89 3.52 -12.48	53.03 2.32 -21.74	51.33 2.18 -23.17	51.36 2.00 -25.56	48.33 1.94 -23.01	48.09 1.92 -23.35	51.36 1.90 -27.37	50.64 1.99 -25.74	51.33 2.17 -25.06	54.96 2.79 -21.50	55.32 3.67 -9.44	61.42 4.35 -4.64	60.85 4.30 -3.43	48.96 3.58 -0.08	44.22 3.03 -2.39	38.03 2.59 -0.01
N.TROY___115KV_TB1 355778	35.01 1.31 0.00	33.44 1.22 0.00	33.65 1.20 0.00	33.40 1.16 0.00	34.27 1.32 0.00	40.06 1.61 0.00	56.02 2.36 0.00	58.00 2.50 0.00	43.60 1.72 0.00	30.05 1.07 0.00	26.89 0.91 0.00	24.56 0.76 0.00	24.13 0.75 0.00	23.53 0.71 0.00	22.79 0.71 0.00	23.66 0.76 0.00	25.02 0.92 0.00	31.90 1.23 0.00	43.93 1.73 0.00	54.58 2.15 0.00	55.29 2.18 0.00	47.11 1.81 0.00	40.24 1.44 0.00	36.67 1.24 0.00
NARROWS_GT1_1 24228	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT1_2 24229	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT1_3 24230	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT1_4 24231	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89



NARROWS_GT1_5 24232	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT1_6 24233	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT1_7 24234	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT1_8 24235	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT2_1 24236	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT2_2 24237	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT2_3 24238	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT2_4 24239	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT2_5 24240	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT2_6 24241	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT2_7 24242	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NARROWS_GT2_8 24243	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	35.01 1.31 0.00	33.53 1.32 0.00	33.72 1.27 0.00	33.50 1.26 0.00	34.30 1.35 0.00	40.06 1.61 0.00	56.08 2.41 0.00	57.78 2.28 0.00	43.31 1.42 0.00	30.08 1.10 0.00	26.81 0.83 0.00	24.39 0.59 0.00	23.89 0.51 0.00	23.32 0.50 0.00	22.60 0.51 0.00	23.50 0.60 0.00	24.90 0.80 0.00	31.87 1.20 0.00	44.27 2.07 0.00	54.42 1.99 0.00	55.24 2.12 0.00	46.98 1.68 0.00	40.21 1.40 0.00	36.74 1.31 0.00
NCHELSEA_115KV_TR2 355582	35.68 1.99 0.00	34.18 1.96 0.00	34.30 1.85 0.00	34.05 1.81 0.00	34.76 1.81 0.00	40.68 2.23 0.00	57.04 3.38 0.00	59.11 3.61 0.00	44.52 2.64 0.00	30.71 1.74 0.00	27.59 1.61 0.00	25.23 1.43 0.00	24.78 1.40 0.00	24.19 1.37 0.00	23.48 1.39 0.00	24.40 1.49 0.00	25.74 1.64 0.00	32.79 2.12 0.00	45.07 2.87 0.00	55.89 3.46 0.00	56.51 3.40 0.00	47.97 2.67 0.00	41.10 2.29 0.00	37.42 1.98 0.00
NEG CAPITAL___MECHNVIL 23645	35.44 1.75 0.00	33.85 1.64 0.00	34.07 1.62 0.00	33.82 1.58 0.00	34.89 1.94 0.00	40.91 2.46 0.00	57.31 3.65 0.00	59.16 3.66 0.00	44.35 2.47 0.00	30.45 1.48 0.00	27.15 1.17 0.00	24.82 1.02 0.00	24.32 0.94 0.00	23.69 0.87 0.00	22.91 0.82 0.00	23.80 0.89 0.00	25.21 1.11 0.00	32.18 1.50 0.00	44.48 2.28 0.00	55.42 2.99 0.00	56.30 3.19 0.00	47.93 2.63 0.00	40.86 2.06 0.00	37.27 1.84 0.00



NEG CENTRAL_HIGH_ACRES 23767	32.98 -0.71 0.00	31.34 -0.87 0.00	31.77 -0.68 0.00	31.47 -0.77 0.00	32.19 -0.76 0.00	37.68 -0.77 0.00	52.64 -1.02 0.00	54.28 -1.22 0.00	40.92 -0.96 0.00	28.22 -0.75 0.00	25.22 -0.75 0.00	23.20 -0.59 0.00	22.75 -0.63 0.00	22.39 -0.43 0.00	21.62 -0.46 0.00	22.31 -0.60 0.00	23.21 -0.89 0.00	29.35 -1.32 0.00	40.77 -1.44 0.00	50.86 -1.57 0.00	51.68 -1.43 0.00	43.99 -1.32 0.00	37.72 -1.09 0.00	34.40 -1.03 0.00
NEG CENTRAL___DRP 24199	34.00 0.30 0.00	32.44 0.23 0.00	32.74 0.29 0.00	32.56 0.32 0.00	33.34 0.40 0.00	38.95 0.50 0.00	54.52 0.86 0.00	56.11 0.61 0.00	42.26 0.38 0.00	29.06 0.09 0.00	25.90 -0.08 0.00	23.77 -0.02 0.00	23.33 -0.05 0.00	22.87 0.05 0.00	22.09 0.00 0.00	22.86 -0.05 0.00	23.88 -0.22 0.00	30.40 -0.28 0.00	42.25 0.04 0.00	52.64 0.21 0.00	53.38 0.27 0.00	45.53 0.23 0.00	38.93 0.12 0.00	35.64 0.21 0.00
NEG CENTRAL___INDECK 23768	34.47 0.78 0.00	32.76 0.55 0.00	33.29 0.84 0.00	32.98 0.74 0.00	33.80 0.86 0.00	39.68 1.23 0.00	55.59 1.93 0.00	56.83 1.33 0.00	42.43 0.54 0.00	28.89 -0.09 0.00	25.69 -0.29 0.00	23.66 -0.14 0.00	23.15 -0.23 0.00	22.85 0.02 0.00	22.09 0.00 0.00	22.77 -0.14 0.00	23.67 -0.43 0.00	30.09 -0.58 0.00	42.42 0.21 0.00	53.42 0.99 0.00	54.49 1.38 0.00	46.30 1.00 0.00	39.66 0.85 0.00	36.25 0.82 0.00
NEG CENTRAL___SENECA 23627	34.23 0.54 0.00	32.60 0.39 0.00	33.00 0.55 0.00	32.79 0.55 0.00	33.61 0.66 0.00	39.25 0.81 0.00	54.95 1.29 0.00	56.45 0.94 0.00	42.55 0.67 0.00	29.15 0.17 0.00	25.92 -0.05 0.00	23.82 0.02 0.00	23.36 -0.02 0.00	22.94 0.11 0.00	22.15 0.07 0.00	22.91 0.00 0.00	23.88 -0.22 0.00	30.43 -0.25 0.00	42.42 0.21 0.00	52.90 0.47 0.00	53.64 0.53 0.00	45.80 0.50 0.00	39.16 0.35 0.00	35.89 0.46 0.00
NEG CENTRAL___STATE_STREET 24147	33.93 0.24 0.00	32.37 0.16 0.00	32.61 0.16 0.00	32.44 0.19 0.00	33.18 0.23 0.00	38.75 0.31 0.00	54.25 0.59 0.00	55.95 0.44 0.00	42.14 0.25 0.00	29.06 0.09 0.00	25.95 -0.03 0.00	23.80 0.00 0.00	23.36 -0.02 0.00	22.87 0.05 0.00	22.09 0.00 0.00	22.88 -0.02 0.00	23.98 -0.12 0.00	30.52 -0.15 0.00	42.25 0.04 0.00	52.64 0.21 0.00	53.38 0.27 0.00	45.44 0.14 0.00	38.85 0.04 0.00	35.47 0.04 0.00
NEG MILLWOOD___DRP 24198	35.85 2.16 0.00	34.34 2.13 0.00	34.46 2.01 0.00	34.18 1.93 0.00	34.93 1.98 0.00	40.91 2.46 0.00	57.42 3.76 0.00	59.55 4.05 0.00	44.86 2.97 0.00	30.89 1.91 0.00	27.69 1.71 0.00	25.32 1.52 0.00	24.92 1.54 0.00	24.28 1.46 0.00	23.57 1.48 0.00	24.49 1.58 0.00	25.91 1.81 0.00	32.94 2.27 0.00	45.33 3.12 0.00	56.26 3.83 0.00	56.88 3.77 0.00	48.20 2.90 0.00	41.33 2.52 0.00	37.59 2.16 0.00
NEG NORTH_FLCN_SEA 23793	-6.89 -1.31 39.27	0.24 -1.22 30.75	31.28 -1.17 0.00	31.27 -0.97 0.00	31.89 -1.05 0.00	37.06 -1.38 0.00	51.68 -1.99 0.00	53.45 -2.05 0.00	40.29 -1.59 0.00	27.87 -1.10 0.00	24.99 -0.99 0.00	22.87 -0.93 0.00	22.56 -0.82 0.00	21.95 -0.87 0.00	21.16 -0.93 0.00	21.97 -0.94 0.00	23.18 -0.92 0.00	29.69 -0.98 0.00	41.23 -0.97 0.00	51.75 -0.68 0.00	52.69 -0.42 0.00	45.08 -0.23 0.00	38.77 -0.04 0.00	35.57 0.14 0.00
NEG NORTH_KES_CHATEGAY 23792	-9.87 -1.65 41.92	-2.12 -1.51 32.82	30.99 -1.46 0.00	30.95 -1.29 0.00	31.60 -1.35 0.00	36.72 -1.73 0.00	51.19 -2.47 0.00	52.89 -2.61 0.00	39.87 -2.01 0.00	27.58 -1.39 0.00	24.73 -1.25 0.00	22.63 -1.17 0.00	22.33 -1.05 0.00	21.70 -1.12 0.00	20.94 -1.15 0.00	21.74 -1.17 0.00	22.97 -1.13 0.00	29.42 -1.26 0.00	40.81 -1.39 0.00	51.22 -1.21 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.34 -0.47 0.00	35.18 -0.25 0.00
NEG NORTH___ALICE_FALLS 23915	-7.11 -1.11 39.69	0.01 -1.13 31.07	31.38 -1.07 0.00	31.34 -0.90 0.00	31.99 -0.96 0.00	37.14 -1.31 0.00	51.84 -1.82 0.00	53.67 -1.83 0.00	40.38 -1.51 0.00	27.90 -1.07 0.00	25.02 -0.96 0.00	22.89 -0.90 0.00	22.61 -0.77 0.00	21.98 -0.84 0.00	21.16 -0.93 0.00	21.99 -0.92 0.00	23.21 -0.89 0.00	29.72 -0.95 0.00	41.32 -0.89 0.00	51.90 -0.52 0.00	52.90 -0.21 0.00	45.21 -0.09 0.00	38.89 0.08 0.00	35.61 0.18 0.00
NEG NORTH___LWR_SARANAC 23913	-7.11 -1.11 39.69	0.01 -1.13 31.07	31.38 -1.07 0.00	31.34 -0.90 0.00	31.99 -0.96 0.00	37.14 -1.31 0.00	51.84 -1.82 0.00	53.67 -1.83 0.00	40.38 -1.51 0.00	27.90 -1.07 0.00	25.02 -0.96 0.00	22.89 -0.90 0.00	22.61 -0.77 0.00	21.98 -0.84 0.00	21.16 -0.93 0.00	21.99 -0.92 0.00	23.21 -0.89 0.00	29.72 -0.95 0.00	41.32 -0.89 0.00	51.90 -0.52 0.00	52.90 -0.21 0.00	45.21 -0.09 0.00	38.89 0.08 0.00	35.61 0.18 0.00
NEG NORTH___PLATTSBURG 23628	-7.11 -1.11 39.69	0.01 -1.13 31.07	31.38 -1.07 0.00	31.34 -0.90 0.00	31.99 -0.96 0.00	37.14 -1.31 0.00	51.84 -1.82 0.00	53.67 -1.83 0.00	40.34 -1.55 0.00	27.90 -1.07 0.00	25.02 -0.96 0.00	22.89 -0.90 0.00	22.61 -0.77 0.00	21.98 -0.84 0.00	21.16 -0.93 0.00	21.99 -0.92 0.00	23.21 -0.89 0.00	29.72 -0.95 0.00	41.32 -0.89 0.00	51.90 -0.52 0.00	52.90 -0.21 0.00	45.21 -0.09 0.00	38.89 0.08 0.00	35.61 0.18 0.00
NEG WEST_LEA_LOCKPORT 23791	32.75 -0.94 0.00	31.02 -1.19 0.00	31.84 -0.62 0.00	31.44 -0.81 0.00	32.29 -0.66 0.00	37.56 -0.88 0.00	52.05 -1.61 0.00	53.00 -2.50 0.00	40.33 -1.55 0.00	27.67 -1.30 0.00	24.78 -1.19 0.00	23.11 -0.69 0.00	22.47 -0.91 0.00	22.37 -0.46 0.00	21.71 -0.38 0.00	22.29 -0.62 0.00	22.82 -1.28 0.00	28.62 -2.06 0.00	39.93 -2.28 0.00	49.60 -2.83 0.00	50.40 -2.71 0.00	43.17 -2.13 0.00	37.10 -1.71 0.00	34.51 -0.92 0.00
NEG WEST___LANCASTER 23811	33.56 -0.13 0.00	31.86 -0.35 0.00	32.65 0.19 0.00	32.27 0.03 0.00	33.21 0.26 0.00	38.60 0.15 0.00	53.77 0.11 0.00	54.28 -1.22 0.00	41.30 -0.59 0.00	28.16 -0.81 0.00	25.20 -0.78 0.00	23.44 -0.36 0.00	22.80 -0.58 0.00	22.62 -0.21 0.00	21.93 -0.15 0.00	22.52 -0.39 0.00	23.21 -0.89 0.00	29.26 -1.41 0.00	40.77 -1.43 0.00	50.70 -1.73 0.00	51.47 -1.65 0.00	43.94 -1.36 0.00	37.76 -1.05 0.00	35.50 0.07 0.00
NEG_PENN_ALLEGHNY 23528	34.26 0.57 0.00	32.70 0.48 0.00	33.00 0.55 0.00	32.76 0.51 0.00	33.54 0.59 0.00	39.17 0.73 0.00	54.84 1.18 0.00	56.44 0.94 0.00	42.68 0.79 0.00	29.32 0.35 0.00	26.16 0.18 0.00	24.01 0.21 0.00	23.57 0.19 0.00	23.07 0.25 0.00	22.31 0.22 0.00	23.11 0.21 0.00	24.17 0.07 0.00	30.76 0.09 0.00	42.58 0.38 0.00	53.01 0.58 0.00	53.70 0.59 0.00	45.71 0.41 0.00	39.20 0.39 0.00	35.93 0.50 0.00
NEG___GEN_MONROE 24207	33.59 -0.10 0.00	31.89 -0.32 0.00	32.42 -0.03 0.00	32.11 -0.13 0.00	32.92 -0.03 0.00	38.45 0.00 0.00	53.50 -0.16 0.00	55.00 -0.50 0.00	41.55 -0.34 0.00	28.54 -0.43 0.00	25.51 -0.47 0.00	23.56 -0.24 0.00	22.98 -0.40 0.00	22.69 -0.14 0.00	21.98 -0.11 0.00	22.63 -0.27 0.00	23.40 -0.70 0.00	29.60 -1.07 0.00	41.19 -1.01 0.00	51.43 -1.00 0.00	52.42 -0.69 0.00	44.62 -0.68 0.00	38.34 -0.47 0.00	35.18 -0.25 0.00



NEPA___ENERGY 23901	34.06 0.37 0.00	32.41 0.19 0.00	33.13 0.68 0.00	32.79 0.55 0.00	33.77 0.82 0.00	39.25 0.81 0.00	54.68 1.02 0.00	55.56 0.06 0.00	42.26 0.38 0.00	28.83 -0.14 0.00	25.79 -0.18 0.00	23.97 0.17 0.00	23.31 -0.07 0.00	23.10 0.27 0.00	22.40 0.31 0.00	23.02 0.11 0.00	23.76 -0.34 0.00	29.97 -0.71 0.00	41.70 -0.51 0.00	51.90 -0.52 0.00	52.64 -0.48 0.00	44.80 -0.50 0.00	38.50 -0.31 0.00	35.96 0.53 0.00
NEVERSINK___HYD 23608	35.61 1.92 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.08 1.84 0.00	34.83 1.88 0.00	40.71 2.27 0.00	57.20 3.54 0.00	59.06 3.56 0.00	44.44 2.56 0.00	30.57 1.59 0.00	27.40 1.43 0.00	25.01 1.21 0.00	24.52 1.15 0.00	23.96 1.14 0.00	23.26 1.17 0.00	24.19 1.28 0.00	25.50 1.40 0.00	32.51 1.84 0.00	44.91 2.70 0.00	55.73 3.31 0.00	56.41 3.29 0.00	47.79 2.49 0.00	41.02 2.21 0.00	37.45 2.02 0.00
NEWKRMKL_115KV_TB1 55635	34.47 0.77 0.00	32.99 0.77 0.00	33.17 0.71 0.00	32.92 0.68 0.00	33.71 0.76 0.00	39.29 0.85 0.00	54.79 1.13 0.00	56.78 1.28 0.00	42.85 0.96 0.00	29.70 0.72 0.00	26.63 0.65 0.00	24.37 0.57 0.00	23.94 0.56 0.00	23.32 0.50 0.00	22.60 0.51 0.00	23.46 0.55 0.00	24.80 0.70 0.00	31.56 0.89 0.00	43.22 1.01 0.00	53.58 1.15 0.00	54.28 1.17 0.00	46.21 0.91 0.00	39.55 0.74 0.00	36.10 0.67 0.00
NEWTON___FALLS_HYD 23847	37.17 -0.94 -4.42	34.87 -0.81 -3.46	31.67 -0.78 0.00	31.53 -0.71 0.00	32.22 -0.72 0.00	37.68 -0.77 0.00	52.75 -0.91 0.00	54.39 -1.11 0.00	40.75 -1.13 0.00	27.96 -1.01 0.00	24.94 -1.04 0.00	22.75 -1.05 0.00	22.40 -0.98 0.00	21.75 -1.07 0.00	21.01 -1.08 0.00	21.81 -1.10 0.00	23.02 -1.08 0.00	29.51 -1.17 0.00	41.11 -1.10 0.00	51.43 -1.00 0.00	52.26 -0.85 0.00	44.76 -0.54 0.00	38.23 -0.58 0.00	34.86 -0.57 0.00
NGRID_A1_DSASP 323792	32.31 -1.38 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.79 -1.45 0.00	31.60 -1.35 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.06 -3.44 0.00	39.70 -2.18 0.00	27.29 -1.68 0.00	24.52 -1.45 0.00	22.89 -0.90 0.00	22.26 -1.12 0.00	22.16 -0.66 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.73 -1.37 0.00	28.28 -2.39 0.00	39.29 -2.91 0.00	48.71 -3.72 0.00	49.45 -3.66 0.00	42.45 -2.85 0.00	36.60 -2.21 0.00	33.84 -1.59 0.00
NGRID_A2_DSASP 323793	32.31 -1.38 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.79 -1.45 0.00	31.60 -1.35 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.06 -3.44 0.00	39.70 -2.18 0.00	27.29 -1.68 0.00	24.52 -1.45 0.00	22.89 -0.90 0.00	22.26 -1.12 0.00	22.16 -0.66 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.73 -1.37 0.00	28.28 -2.39 0.00	39.29 -2.91 0.00	48.71 -3.72 0.00	49.45 -3.66 0.00	42.45 -2.85 0.00	36.60 -2.21 0.00	33.84 -1.59 0.00
NGRID_A4_DSASP 323807	32.31 -1.38 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.79 -1.45 0.00	31.60 -1.35 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.06 -3.44 0.00	39.70 -2.18 0.00	27.29 -1.68 0.00	24.52 -1.45 0.00	22.89 -0.90 0.00	22.26 -1.12 0.00	22.16 -0.66 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.73 -1.37 0.00	28.28 -2.39 0.00	39.29 -2.91 0.00	48.71 -3.72 0.00	49.45 -3.66 0.00	42.45 -2.85 0.00	36.60 -2.21 0.00	33.84 -1.59 0.00
NIAGARA_115E_LBMP 323715	32.18 -1.52 0.00	30.47 -1.74 0.00	31.29 -1.17 0.00	30.69 -1.55 0.00	31.50 -1.45 0.00	36.87 -1.58 0.00	51.03 -2.63 0.00	51.95 -3.55 0.00	39.58 -2.30 0.00	27.18 -1.80 0.00	24.39 -1.59 0.00	22.78 -1.02 0.00	22.14 -1.24 0.00	22.05 -0.78 0.00	21.40 -0.68 0.00	21.97 -0.94 0.00	22.61 -1.49 0.00	28.13 -2.55 0.00	39.17 -3.04 0.00	48.55 -3.88 0.00	49.34 -3.77 0.00	42.36 -2.94 0.00	36.48 -2.33 0.00	33.73 -1.70 0.00
NIAGARA_115W_LBMP 323714	32.21 -1.48 0.00	30.47 -1.74 0.00	31.32 -1.14 0.00	30.69 -1.55 0.00	31.50 -1.45 0.00	36.83 -1.61 0.00	50.98 -2.68 0.00	51.90 -3.61 0.00	39.58 -2.30 0.00	27.24 -1.74 0.00	24.44 -1.53 0.00	22.82 -0.98 0.00	22.19 -1.19 0.00	22.09 -0.73 0.00	21.45 -0.64 0.00	22.01 -0.89 0.00	22.66 -1.45 0.00	28.19 -2.48 0.00	39.17 -3.04 0.00	48.55 -3.88 0.00	49.29 -3.82 0.00	42.31 -2.99 0.00	36.48 -2.33 0.00	33.73 -1.70 0.00
NIAGARA_230_LBMP 323716	32.51 -1.18 0.00	30.80 -1.42 0.00	31.58 -0.87 0.00	30.98 -1.26 0.00	31.79 -1.15 0.00	37.18 -1.27 0.00	51.46 -2.20 0.00	52.45 -3.05 0.00	40.00 -1.88 0.00	27.50 -1.48 0.00	24.68 -1.30 0.00	23.04 -0.76 0.00	22.40 -0.98 0.00	22.30 -0.52 0.00	21.62 -0.46 0.00	22.22 -0.69 0.00	22.87 -1.23 0.00	28.50 -2.18 0.00	39.59 -2.62 0.00	49.07 -3.36 0.00	49.82 -3.29 0.00	42.72 -2.58 0.00	36.83 -1.98 0.00	34.09 -1.35 0.00
NIAGARA___115KV_198_GIBSON 55903	32.21 -1.48 0.00	30.47 -1.74 0.00	31.32 -1.14 0.00	30.86 -1.39 0.00	31.70 -1.25 0.00	36.83 -1.61 0.00	50.93 -2.74 0.00	51.89 -3.61 0.00	39.58 -2.30 0.00	27.24 -1.74 0.00	24.42 -1.56 0.00	22.80 -1.00 0.00	22.16 -1.22 0.00	22.07 -0.75 0.00	21.45 -0.64 0.00	22.01 -0.89 0.00	22.53 -1.57 0.00	28.19 -2.48 0.00	39.17 -3.04 0.00	48.60 -3.83 0.00	49.40 -3.72 0.00	42.31 -2.99 0.00	36.44 -2.37 0.00	33.94 -1.49 0.00
NIAGARA___ 23760	32.51 -1.18 0.00	30.80 -1.42 0.00	31.58 -0.87 0.00	30.98 -1.26 0.00	31.79 -1.15 0.00	37.18 -1.27 0.00	51.46 -2.20 0.00	52.45 -3.05 0.00	40.00 -1.88 0.00	27.50 -1.48 0.00	24.68 -1.30 0.00	23.04 -0.76 0.00	22.40 -0.98 0.00	22.30 -0.52 0.00	21.62 -0.46 0.00	22.22 -0.69 0.00	22.87 -1.23 0.00	28.50 -2.18 0.00	39.59 -2.62 0.00	49.07 -3.36 0.00	49.82 -3.29 0.00	42.72 -2.58 0.00	36.83 -1.98 0.00	34.09 -1.35 0.00
NINE_MILE_1 23575	32.75 -0.94 0.00	31.31 -0.90 0.00	31.58 -0.87 0.00	31.34 -0.90 0.00	32.03 -0.92 0.00	37.37 -1.08 0.00	52.22 -1.45 0.00	53.95 -1.55 0.00	40.71 -1.17 0.00	28.25 -0.72 0.00	25.35 -0.62 0.00	23.23 -0.57 0.00	22.82 -0.56 0.00	22.30 -0.52 0.00	21.58 -0.51 0.00	22.36 -0.55 0.00	23.47 -0.63 0.00	29.75 -0.92 0.00	40.90 -1.31 0.00	50.86 -1.57 0.00	51.52 -1.59 0.00	43.94 -1.36 0.00	37.61 -1.20 0.00	34.33 -1.10 0.00
NINE_MILE_2 23744	32.75 -0.94 0.00	31.31 -0.90 0.00	31.58 -0.87 0.00	31.34 -0.90 0.00	32.03 -0.92 0.00	37.37 -1.08 0.00	52.22 -1.45 0.00	53.95 -1.55 0.00	40.71 -1.17 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.23 -0.57 0.00	22.82 -0.56 0.00	22.30 -0.52 0.00	21.58 -0.51 0.00	22.36 -0.55 0.00	23.47 -0.63 0.00	29.75 -0.92 0.00	40.90 -1.31 0.00	50.86 -1.57 0.00	51.52 -1.59 0.00	43.94 -1.36 0.00	37.61 -1.20 0.00	34.33 -1.10 0.00
NM_CAPITAL___DRP 24208	34.60 0.91 0.00	33.11 0.90 0.00	33.30 0.84 0.00	33.05 0.81 0.00	33.81 0.86 0.00	39.45 1.00 0.00	55.00 1.34 0.00	57.00 1.50 0.00	42.97 1.09 0.00	29.79 0.81 0.00	26.70 0.73 0.00	24.46 0.67 0.00	24.01 0.63 0.00	23.42 0.59 0.00	22.68 0.60 0.00	23.55 0.64 0.00	24.87 0.77 0.00	31.68 1.01 0.00	43.39 1.18 0.00	53.79 1.36 0.00	54.44 1.33 0.00	46.39 1.09 0.00	39.70 0.89 0.00	36.25 0.81 0.00



NM_CENTRAL___DRP 24181	33.56 -0.13 0.00	32.02 -0.19 0.00	32.29 -0.16 0.00	32.08 -0.16 0.00	32.82 -0.13 0.00	38.29 -0.15 0.00	53.61 -0.05 0.00	55.34 -0.17 0.00	41.76 -0.13 0.00	28.89 -0.09 0.00	25.85 -0.13 0.00	23.70 -0.10 0.00	23.29 -0.09 0.00	22.75 -0.07 0.00	22.00 -0.09 0.00	22.79 -0.11 0.00	23.88 -0.22 0.00	30.34 -0.34 0.00	41.82 -0.38 0.00	52.06 -0.37 0.00	52.74 -0.37 0.00	44.94 -0.36 0.00	38.42 -0.39 0.00	35.08 -0.35 0.00
NM_FRONTIER___DRP 24179	32.21 -1.48 0.00	30.47 -1.74 0.00	31.32 -1.14 0.00	30.86 -1.39 0.00	31.70 -1.25 0.00	36.83 -1.61 0.00	50.93 -2.74 0.00	51.89 -3.61 0.00	39.58 -2.30 0.00	27.24 -1.74 0.00	24.42 -1.56 0.00	22.80 -1.00 0.00	22.16 -1.22 0.00	22.07 -0.75 0.00	21.45 -0.64 0.00	22.01 -0.89 0.00	22.53 -1.57 0.00	28.19 -2.48 0.00	39.17 -3.04 0.00	48.60 -3.83 0.00	49.40 -3.72 0.00	42.31 -2.99 0.00	36.44 -2.37 0.00	33.94 -1.49 0.00
NM_ST_REGIS___HYD 24053	43.25 -1.35 -10.91	39.56 -1.19 -8.54	31.32 -1.14 0.00	31.24 -1.00 0.00	31.86 -1.09 0.00	37.06 -1.38 0.00	51.52 -2.15 0.00	53.23 -2.28 0.00	40.17 -1.72 0.00	27.67 -1.30 0.00	24.73 -1.25 0.00	22.61 -1.19 0.00	22.30 -1.08 0.00	21.68 -1.14 0.00	20.90 -1.19 0.00	21.69 -1.21 0.00	22.92 -1.18 0.00	29.32 -1.35 0.00	40.73 -1.48 0.00	50.75 -1.68 0.00	51.63 -1.49 0.00	44.40 -0.91 0.00	38.07 -0.74 0.00	34.79 -0.64 0.00
NORTHPORT___1 23551	35.82 2.12 0.00	34.24 2.03 0.00	34.33 1.88 0.00	34.11 1.87 0.00	34.86 1.91 0.00	40.71 2.27 0.00	56.02 2.36 0.00	58.55 3.05 0.00	45.92 3.47 -0.56	32.28 2.32 -0.99	29.21 2.18 -1.05	26.96 2.00 -1.16	26.39 1.96 -1.04	25.80 1.92 -1.06	25.28 1.94 -1.24	26.16 2.08 -1.17	27.45 2.22 -1.14	34.53 2.88 -0.97	46.26 3.63 -0.42	57.09 4.45 -0.20	57.56 4.30 -0.15	48.74 3.44 0.00	41.90 2.99 -0.10	37.31 1.88 0.00
NORTHPORT___2 23552	35.82 2.12 0.00	34.24 2.03 0.00	34.33 1.88 0.00	34.11 1.87 0.00	34.86 1.91 0.00	40.71 2.27 0.00	56.02 2.36 0.00	58.55 3.05 0.00	45.92 3.47 -0.56	32.28 2.32 -0.99	29.21 2.18 -1.05	26.96 2.00 -1.16	26.39 1.96 -1.04	25.80 1.92 -1.06	25.28 1.94 -1.24	26.16 2.08 -1.17	27.45 2.22 -1.14	34.53 2.88 -0.97	46.26 3.63 -0.42	57.09 4.45 -0.20	57.56 4.30 -0.15	48.74 3.44 0.00	41.90 2.99 -0.10	37.31 1.88 0.00
NORTHPORT___3 23553	36.02 2.32 0.00	34.40 2.19 0.00	34.50 2.05 0.00	34.27 2.03 0.00	35.03 2.08 0.00	40.94 2.50 0.00	55.48 1.83 0.00	57.77 2.28 0.00	45.81 3.35 -0.57	32.59 2.61 -1.01	29.47 2.42 -1.07	27.17 2.19 -1.18	26.59 2.15 -1.07	26.00 2.10 -1.08	25.48 2.12 -1.27	26.32 2.22 -1.19	27.65 2.39 -1.16	34.70 3.04 -0.99	45.80 3.17 -0.43	56.31 3.67 -0.21	56.88 3.61 -0.15	48.29 2.99 0.00	41.78 2.87 -0.10	37.52 2.09 0.00
NORTHPORT___4 23650	36.02 2.32 0.00	34.40 2.19 0.00	34.50 2.05 0.00	34.27 2.03 0.00	35.03 2.08 0.00	40.94 2.50 0.00	55.48 1.83 0.00	57.77 2.28 0.00	45.81 3.35 -0.57	32.59 2.61 -1.01	29.47 2.42 -1.07	27.17 2.19 -1.18	26.59 2.15 -1.07	26.00 2.10 -1.08	25.48 2.12 -1.27	26.32 2.22 -1.19	27.65 2.39 -1.16	34.70 3.04 -0.99	45.80 3.17 -0.43	56.31 3.67 -0.21	56.88 3.61 -0.15	48.29 2.99 0.00	41.78 2.87 -0.10	37.52 2.09 0.00
NORTHPORT___IC 23718	35.82 2.12 0.00	34.24 2.03 0.00	34.33 1.88 0.00	33.89 1.64 0.00	34.60 1.65 0.00	40.71 2.27 0.00	55.97 2.31 0.00	58.38 2.89 0.00	45.84 3.39 -0.56	32.28 2.32 -0.99	29.21 2.18 -1.05	26.98 2.02 -1.16	26.39 1.96 -1.04	25.80 1.92 -1.06	25.28 1.94 -1.24	26.16 2.08 -1.17	27.46 2.22 -1.14	34.50 2.85 -0.97	46.26 3.63 -0.42	56.98 4.35 -0.20	57.51 4.25 -0.15	48.83 3.53 0.00	41.94 3.03 -0.10	37.17 1.74 0.00
NORTH___COUNTRY_ESR 323785	-10.00 -1.72 41.98	-2.23 -1.58 32.86	30.93 -1.52 0.00	30.89 -1.35 0.00	31.53 -1.42 0.00	36.64 -1.81 0.00	51.03 -2.63 0.00	52.78 -2.72 0.00	39.75 -2.13 0.00	27.56 -1.42 0.00	24.70 -1.27 0.00	22.61 -1.19 0.00	22.30 -1.08 0.00	21.68 -1.14 0.00	20.92 -1.17 0.00	21.72 -1.19 0.00	22.92 -1.18 0.00	29.35 -1.32 0.00	40.73 -1.48 0.00	51.07 -1.36 0.00	52.00 -1.12 0.00	44.49 -0.81 0.00	38.27 -0.54 0.00	35.08 -0.35 0.00
NPX_GEN_1385_PROXY 323591	35.75 2.06 0.00	34.18 1.97 0.00	34.27 1.82 0.00	34.05 1.80 0.00	34.79 1.84 0.00	40.60 2.15 0.00	54.73 1.07 0.00	57.61 2.11 0.00	45.25 2.81 -0.56	31.67 1.71 -0.99	28.72 1.69 -1.05	26.51 1.55 -1.16	25.94 1.52 -1.04	25.34 1.46 -1.06	24.92 1.59 -1.24	25.77 1.70 -1.17	27.02 1.78 -1.14	34.25 2.61 -0.97	45.79 3.17 -0.42	56.20 3.57 -0.20	55.00 3.08 1.19	47.92 2.63 0.00	41.20 2.29 -0.10	37.03 1.60 0.00
NPX_GEN_CSC 323557	35.21 1.52 0.00	33.85 1.64 0.00	33.95 1.49 0.00	33.73 1.48 0.00	34.47 1.52 0.00	40.06 1.61 0.00	55.37 1.72 0.00	57.77 2.28 0.00	45.19 2.72 -0.58	31.73 1.74 -1.02	28.83 1.77 -1.08	26.76 1.76 -1.20	26.19 1.73 -1.08	25.58 1.67 -1.09	25.05 1.68 -1.28	26.06 1.95 -1.21	27.32 2.05 -1.17	34.26 2.58 -1.01	45.64 3.00 -0.44	56.52 3.88 -0.21	57.04 3.77 -0.15	48.20 2.90 0.00	41.32 2.41 -0.10	36.67 1.24 0.00
NSINS_S__GLNS_FALLS 23858	35.65 1.95 0.00	34.02 1.80 0.00	34.27 1.82 0.00	34.02 1.77 0.00	35.02 2.08 0.00	41.14 2.69 0.00	57.96 4.29 0.00	59.89 4.38 0.00	44.77 2.89 0.00	30.63 1.65 0.00	27.20 1.22 0.00	24.77 0.98 0.00	24.34 0.96 0.00	23.67 0.84 0.00	22.86 0.77 0.00	23.76 0.85 0.00	25.21 1.11 0.00	32.18 1.50 0.00	44.65 2.45 0.00	55.73 3.30 0.00	56.83 3.72 0.00	48.34 3.04 0.00	41.14 2.33 0.00	37.49 2.06 0.00
NUCOR_STEEL___DRP 24197	34.03 0.34 0.00	32.47 0.26 0.00	32.74 0.29 0.00	32.56 0.32 0.00	33.28 0.33 0.00	38.87 0.42 0.00	54.31 0.64 0.00	56.00 0.50 0.00	42.18 0.29 0.00	29.09 0.12 0.00	25.98 0.00 0.00	23.82 0.02 0.00	23.38 0.00 0.00	22.89 0.07 0.00	22.11 0.02 0.00	22.91 0.00 0.00	24.00 -0.10 0.00	30.55 -0.12 0.00	42.25 0.04 0.00	52.69 0.26 0.00	53.43 0.32 0.00	45.53 0.23 0.00	38.93 0.12 0.00	35.57 0.14 0.00
NUMBER_THREE_WT_PWR 323818	35.29 -0.34 -1.93	33.57 -0.16 -1.51	32.32 -0.13 0.00	32.15 -0.10 0.00	32.85 -0.10 0.00	38.56 0.12 0.00	54.31 0.65 0.00	56.00 0.50 0.00	41.76 -0.13 0.00	28.57 -0.41 0.00	25.40 -0.57 0.00	23.18 -0.62 0.00	22.77 -0.61 0.00	22.11 -0.71 0.00	21.38 -0.71 0.00	22.17 -0.73 0.00	23.45 -0.65 0.00	30.06 -0.61 0.00	42.04 -0.17 0.00	52.80 0.37 0.00	53.54 0.42 0.00	45.71 0.41 0.00	38.93 0.12 0.00	35.50 0.07 0.00
NYISO_LBMP_REFERENCE 24008	33.69 0.00 0.00	32.21 0.00 0.00	32.45 0.00 0.00	32.24 0.00 0.00	32.95 0.00 0.00	38.45 0.00 0.00	53.66 0.00 0.00	55.50 0.00 0.00	41.88 0.00 0.00	28.98 0.00 0.00	25.98 0.00 0.00	23.80 0.00 0.00	23.38 0.00 0.00	22.82 0.00 0.00	22.09 0.00 0.00	22.91 0.00 0.00	24.10 0.00 0.00	30.67 0.00 0.00	42.20 0.00 0.00	52.43 0.00 0.00	53.11 0.00 0.00	45.30 0.00 0.00	38.81 0.00 0.00	35.43 0.00 0.00



NYPA_BRENTWD____GT 24164	36.12 2.43 0.00	34.53 2.32 0.00	34.63 2.17 0.00	34.40 2.16 0.00	35.16 2.21 0.00	41.10 2.65 0.00	56.66 3.00 0.00	59.16 3.66 0.00	46.34 3.85 -0.60	32.61 2.58 -1.06	29.49 2.39 -1.13	27.26 2.21 -1.24	26.67 2.17 -1.12	26.08 2.12 -1.14	25.54 2.12 -1.33	26.45 2.29 -1.25	27.78 2.46 -1.22	34.91 3.19 -1.04	46.75 4.09 -0.45	57.79 5.14 -0.22	58.26 4.99 -0.16	49.28 3.99 0.00	42.33 3.42 -0.11	37.63 2.20 0.00
NYPA_GOWANUS____GT5 24156	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NYPA_GOWANUS____GT6 24157	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.91 2.64 -0.02	35.66 2.70 -0.01	49.43 3.08 -7.91	58.23 4.56 -0.01	60.56 5.05 -0.01	58.18 3.81 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.29 2.07 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.33 4.78 -3.43	54.97 3.85 -5.82	58.70 3.22 -16.67	50.23 2.91 -11.89
NYPA_HARLEM__RVR__GT1 24160	36.29 2.59 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.57 2.32 -0.01	35.33 2.37 -0.01	41.26 2.81 -0.01	57.86 4.19 -0.01	60.12 4.60 -0.01	57.79 3.44 -12.48	52.97 2.26 -21.73	51.27 2.13 -23.16	51.28 1.93 -25.55	48.28 1.89 -23.01	48.02 1.85 -23.35	51.31 1.86 -27.36	50.59 1.95 -25.74	51.28 2.12 -25.06	54.89 2.73 -21.49	55.23 3.59 -9.44	61.37 4.30 -4.64	60.79 4.25 -3.43	48.82 3.44 -0.08	44.14 2.95 -2.39	37.99 2.55 -0.01
NYPA_HARLEM__RVR__GT2 24161	36.29 2.59 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.57 2.32 -0.01	35.33 2.37 -0.01	41.26 2.81 -0.01	57.86 4.19 -0.01	60.12 4.60 -0.01	57.79 3.44 -12.48	52.97 2.26 -21.73	51.27 2.13 -23.16	51.28 1.93 -25.55	48.28 1.89 -23.01	48.02 1.85 -23.35	51.31 1.86 -27.36	50.59 1.95 -25.74	51.28 2.12 -25.06	54.89 2.73 -21.49	55.23 3.59 -9.44	61.37 4.30 -4.64	60.79 4.25 -3.43	48.82 3.44 -0.08	44.14 2.95 -2.39	37.99 2.55 -0.01
NYPA_KENT____GT 24152	44.60 2.79 -8.11	35.48 2.71 -0.56	35.07 2.56 -0.05	34.80 2.55 -0.01	35.56 2.60 -0.01	46.33 3.04 -4.85	58.13 4.45 -0.01	60.40 4.89 -0.01	58.09 3.73 -12.48	53.15 2.43 -21.74	53.46 2.26 -25.23	54.06 2.05 -28.22	57.65 2.03 -32.23	58.07 1.98 -33.26	54.50 1.97 -30.45	54.57 2.08 -29.57	54.81 2.24 -28.46	55.08 2.92 -21.50	58.41 3.88 -12.33	61.79 4.72 -4.64	61.22 4.68 -3.43	53.07 3.76 -4.01	54.68 3.18 -12.69	45.57 2.84 -7.30
NYPA_POUCH1____GT 24155	49.60 2.70 -13.21	35.90 2.74 -0.95	35.00 2.47 -0.08	34.78 2.52 -0.02	35.59 2.64 -0.01	49.24 2.88 -7.91	57.97 4.29 -0.01	60.29 4.77 -0.01	57.97 3.60 -12.48	53.06 2.35 -21.74	52.74 2.15 -24.61	53.17 1.95 -27.42	55.81 1.92 -30.51	56.14 1.89 -31.43	53.49 1.88 -29.53	53.36 1.97 -28.48	53.69 2.14 -27.45	54.96 2.79 -21.50	58.50 3.75 -12.54	61.63 4.56 -4.64	61.06 4.51 -3.43	54.74 3.63 -5.82	58.51 3.03 -16.67	50.09 2.77 -11.89
NYPA_VERNON____GT2 24162	39.46 2.76 -3.01	34.99 2.61 -0.17	35.00 2.53 -0.02	34.73 2.48 -0.01	35.46 2.50 -0.01	43.20 2.96 -1.79	58.02 4.34 -0.01	60.29 4.77 -0.01	58.01 3.64 -12.48	53.12 2.40 -21.74	51.17 2.23 -22.96	51.11 2.02 -25.29	50.31 1.99 -24.94	50.25 1.96 -25.46	51.09 1.94 -27.05	50.45 2.04 -25.50	51.03 2.22 -24.71	55.02 2.85 -21.50	58.12 3.80 -12.12	61.63 4.56 -4.64	61.06 4.51 -3.43	51.18 3.67 -2.21	50.63 3.11 -8.71	40.87 2.73 -2.71
NYPA_VERNON____GT3 24163	39.46 2.76 -3.01	34.99 2.61 -0.17	35.00 2.53 -0.02	34.73 2.48 -0.01	35.46 2.50 -0.01	43.20 2.96 -1.79	58.02 4.34 -0.01	60.29 4.77 -0.01	58.01 3.64 -12.48	53.12 2.40 -21.74	51.17 2.23 -22.96	51.11 2.02 -25.29	50.31 1.99 -24.94	50.25 1.96 -25.46	51.09 1.94 -27.05	50.45 2.04 -25.50	51.03 2.22 -24.71	55.02 2.85 -21.50	58.12 3.80 -12.12	61.63 4.56 -4.64	61.06 4.51 -3.43	51.18 3.67 -2.21	50.63 3.11 -8.71	40.87 2.73 -2.71
NYPA__ASTORIA_CC1 323568	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.73 2.48 -0.01	35.46 2.50 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.71 -0.01	57.97 3.60 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	55.02 2.85 -21.50	58.50 3.75 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.11 -8.30	39.51 2.73 -1.35
NYPA__ASTORIA_CC2 323569	37.92 2.73 -1.50	34.86 2.61 -0.04	34.96 2.50 -0.01	34.73 2.48 -0.01	35.46 2.50 -0.01	42.29 2.96 -0.89	57.97 4.29 -0.01	60.23 4.71 -0.01	57.97 3.60 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.62	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	55.02 2.85 -21.50	58.50 3.75 -12.54	61.58 4.51 -4.64	61.01 4.46 -3.43	50.85 3.67 -1.88	50.21 3.11 -8.30	39.51 2.73 -1.35
NYPA__HOLTSVILL 23794	35.75 2.06 0.00	34.24 2.03 0.00	34.30 1.85 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.68 2.23 0.00	56.13 2.47 0.00	58.55 3.05 0.00	45.85 3.39 -0.58	32.25 2.26 -1.01	29.21 2.15 -1.08	27.01 2.02 -1.19	26.42 1.96 -1.07	25.83 1.92 -1.09	25.29 1.92 -1.28	26.24 2.13 -1.20	27.54 2.26 -1.17	34.59 2.92 -1.00	46.27 3.63 -0.44	57.25 4.61 -0.21	57.73 4.46 -0.15	48.83 3.54 0.00	41.90 2.99 -0.10	37.24 1.81 0.00
NYPA__HELLGATE_GT1 24158	36.29 2.59 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.57 2.32 -0.01	35.33 2.37 -0.01	41.26 2.81 -0.01	57.86 4.19 -0.01	60.12 4.60 -0.01	57.79 3.44 -12.48	52.97 2.26 -21.73	51.27 2.13 -23.16	51.28 1.93 -25.55	48.28 1.89 -23.01	48.02 1.85 -23.35	51.31 1.86 -27.36	50.59 1.95 -25.74	51.28 2.12 -25.06	54.89 2.73 -21.49	55.23 3.59 -9.44	61.37 4.30 -4.64	60.79 4.25 -3.43	48.82 3.44 -0.08	44.14 2.95 -2.39	37.99 2.55 -0.01
NYPA__HELLGATE_GT2 24159	36.29 2.59 -0.01	34.73 2.51 -0.01	34.83 2.37 -0.01	34.57 2.32 -0.01	35.33 2.37 -0.01	41.26 2.81 -0.01	57.86 4.19 -0.01	60.12 4.60 -0.01	57.79 3.44 -12.48	52.97 2.26 -21.73	51.27 2.13 -23.16	51.28 1.93 -25.55	48.28 1.89 -23.01	48.02 1.85 -23.35	51.31 1.86 -27.36	50.59 1.95 -25.74	51.28 2.12 -25.06	54.89 2.73 -21.49	55.23 3.59 -9.44	61.37 4.30 -4.64	60.79 4.25 -3.43	48.82 3.44 -0.08	44.14 2.95 -2.39	37.99 2.55 -0.01
NYS_BARGE__HYD 23848	32.71 -0.98 0.00	30.99 -1.22 0.00	31.83 -0.62 0.00	31.24 -1.00 0.00	32.06 -0.89 0.00	37.52 -0.92 0.00	52.05 -1.61 0.00	53.01 -2.50 0.00	40.29 -1.59 0.00	27.64 -1.33 0.00	24.78 -1.19 0.00	23.11 -0.69 0.00	22.47 -0.91 0.00	22.37 -0.46 0.00	21.69 -0.40 0.00	22.27 -0.64 0.00	22.92 -1.18 0.00	28.59 -2.09 0.00	39.88 -2.32 0.00	49.49 -2.93 0.00	50.35 -2.76 0.00	43.17 -2.13 0.00	37.14 -1.67 0.00	34.30 -1.14 0.00



OAK ORCHARD___HYD 24046	33.42 -0.27 0.00	31.73 -0.48 0.00	32.23 -0.23 0.00	31.86 -0.39 0.00	32.62 -0.33 0.00	38.18 -0.27 0.00	53.23 -0.43 0.00	54.84 -0.66 0.00	41.42 -0.46 0.00	28.54 -0.43 0.00	25.56 -0.42 0.00	23.58 -0.21 0.00	23.08 -0.30 0.00	22.75 -0.07 0.00	22.02 -0.07 0.00	22.68 -0.23 0.00	23.55 -0.55 0.00	29.69 -0.98 0.00	41.28 -0.93 0.00	51.43 -1.00 0.00	52.26 -0.85 0.00	44.53 -0.77 0.00	38.23 -0.58 0.00	34.90 -0.53 0.00
OAKDALE___35_KV_LOAD 356122	34.16 0.47 0.00	32.60 0.39 0.00	32.94 0.49 0.00	32.69 0.45 0.00	33.48 0.53 0.00	39.06 0.62 0.00	54.63 0.97 0.00	56.28 0.78 0.00	42.43 0.54 0.00	29.18 0.20 0.00	26.08 0.10 0.00	23.97 0.17 0.00	23.50 0.12 0.00	23.00 0.18 0.00	22.26 0.18 0.00	23.07 0.16 0.00	24.15 0.05 0.00	30.73 0.06 0.00	42.50 0.30 0.00	52.90 0.47 0.00	53.54 0.42 0.00	45.62 0.32 0.00	39.08 0.27 0.00	35.89 0.46 0.00
OCC_CHEM___DRP 24175	32.34 -1.35 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.95 -1.29 0.00	31.83 -1.12 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.12 -3.39 0.00	39.75 -2.14 0.00	27.32 -1.65 0.00	24.50 -1.48 0.00	22.87 -0.93 0.00	22.23 -1.15 0.00	22.14 -0.68 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.61 -1.49 0.00	28.28 -2.39 0.00	39.33 -2.87 0.00	48.76 -3.67 0.00	49.55 -3.56 0.00	42.45 -2.85 0.00	36.56 -2.25 0.00	34.05 -1.38 0.00
OH_GEN_PROXY 24063	32.58 -1.11 0.00	30.83 -1.38 0.00	31.64 -0.81 0.00	31.02 -1.23 0.00	31.83 -1.12 0.00	37.25 -1.19 0.00	51.57 -2.09 0.00	52.56 -2.94 0.00	40.08 -1.80 0.00	27.56 -1.42 0.00	24.73 -1.25 0.00	23.06 -0.74 0.00	22.42 -0.96 0.00	22.32 -0.50 0.00	21.67 -0.42 0.00	22.27 -0.64 0.00	22.92 -1.18 0.00	28.56 -2.12 0.00	39.67 -2.53 0.00	49.18 -3.25 0.00	49.93 -3.19 0.00	42.81 -2.49 0.00	36.91 -1.90 0.00	34.12 -1.31 0.00
OLIN_CORP_DRP 24177	32.28 -1.42 0.00	30.54 -1.68 0.00	31.38 -1.07 0.00	30.92 -1.32 0.00	31.80 -1.15 0.00	36.95 -1.50 0.00	51.14 -2.52 0.00	52.12 -3.44 0.00	39.71 -2.18 0.00	27.27 -1.71 0.00	24.44 -1.53 0.00	22.82 -0.98 0.00	22.16 -1.22 0.00	22.07 -0.75 0.00	21.43 -0.66 0.00	22.01 -0.89 0.00	22.53 -1.57 0.00	28.22 -2.45 0.00	39.29 -2.91 0.00	48.76 -3.67 0.00	49.55 -3.56 0.00	42.45 -2.85 0.00	36.52 -2.29 0.00	34.01 -1.42 0.00
OLIN_CORP_DSASP 323712	32.31 -1.38 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.79 -1.45 0.00	31.60 -1.35 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.06 -3.44 0.00	39.70 -2.18 0.00	27.29 -1.68 0.00	24.52 -1.45 0.00	22.89 -0.90 0.00	22.26 -1.12 0.00	22.16 -0.66 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.73 -1.37 0.00	28.28 -2.39 0.00	39.29 -2.91 0.00	48.71 -3.72 0.00	49.45 -3.66 0.00	42.45 -2.85 0.00	36.60 -2.21 0.00	33.84 -1.59 0.00
ONEIDA_HERK_LFGE 323681	35.01 0.41 -0.91	33.35 0.42 -0.72	32.91 0.45 0.00	32.69 0.45 0.00	33.44 0.49 0.00	39.17 0.73 0.00	55.11 1.45 0.00	56.83 1.33 0.00	42.60 0.71 0.00	29.24 0.26 0.00	26.05 0.08 0.00	23.80 0.00 0.00	23.36 -0.02 0.00	22.71 -0.11 0.00	22.00 -0.09 0.00	22.82 -0.09 0.00	24.08 -0.02 0.00	30.80 0.12 0.00	42.79 0.59 0.00	53.58 1.15 0.00	54.28 1.17 0.00	46.30 1.00 0.00	39.47 0.66 0.00	36.00 0.57 0.00
ONEIDA___115KV_TB4 55905	34.64 0.94 0.00	33.08 0.87 0.00	33.33 0.88 0.00	33.11 0.87 0.00	33.87 0.92 0.00	39.64 1.19 0.00	55.76 2.09 0.00	57.50 2.00 0.00	43.14 1.26 0.00	29.61 0.64 0.00	26.39 0.42 0.00	24.13 0.33 0.00	23.68 0.30 0.00	23.07 0.25 0.00	22.33 0.24 0.00	23.16 0.25 0.00	24.41 0.31 0.00	31.19 0.52 0.00	43.26 1.06 0.00	54.11 1.68 0.00	54.81 1.70 0.00	46.71 1.40 0.00	39.86 1.05 0.00	36.35 0.92 0.00
ONONDAGA_REF_OCCRA 23987	33.69 0.00 0.00	32.18 -0.03 0.00	32.42 -0.03 0.00	32.21 -0.03 0.00	32.95 0.00 0.00	38.45 0.00 0.00	53.88 0.21 0.00	55.61 0.11 0.00	41.93 0.04 0.00	28.98 0.00 0.00	25.90 -0.08 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.04 -0.17 0.00	52.32 -0.10 0.00	53.01 -0.11 0.00	45.17 -0.14 0.00	38.61 -0.19 0.00	35.25 -0.18 0.00
ONONDAGA___COGEN 23986	33.73 0.03 0.00	32.21 0.00 0.00	32.45 0.00 0.00	32.24 0.00 0.00	32.98 0.03 0.00	38.48 0.04 0.00	53.88 0.21 0.00	55.61 0.11 0.00	41.93 0.04 0.00	29.00 0.03 0.00	25.92 -0.05 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.04 -0.17 0.00	52.32 -0.10 0.00	53.01 -0.11 0.00	45.17 -0.14 0.00	38.61 -0.19 0.00	35.25 -0.18 0.00
ONTARIO___LFGE 23819	34.23 0.54 0.00	32.60 0.39 0.00	33.00 0.55 0.00	32.73 0.48 0.00	33.54 0.59 0.00	39.25 0.81 0.00	54.95 1.29 0.00	56.39 0.89 0.00	42.51 0.63 0.00	29.15 0.17 0.00	25.92 -0.05 0.00	23.82 0.02 0.00	23.36 -0.02 0.00	22.94 0.11 0.00	22.15 0.07 0.00	22.91 0.00 0.00	23.91 -0.19 0.00	30.43 -0.25 0.00	42.42 0.21 0.00	52.85 0.42 0.00	53.64 0.53 0.00	45.80 0.50 0.00	39.16 0.35 0.00	35.86 0.43 0.00
ORANGEVILLE_WT_PWR 323706	33.19 -0.50 0.00	31.53 -0.68 0.00	32.29 -0.16 0.00	31.82 -0.42 0.00	32.72 -0.23 0.00	38.29 -0.15 0.00	53.34 -0.32 0.00	54.23 -1.27 0.00	40.96 -0.92 0.00	28.02 -0.96 0.00	25.04 -0.93 0.00	23.25 -0.55 0.00	22.65 -0.72 0.00	22.48 -0.34 0.00	21.78 -0.31 0.00	22.36 -0.55 0.00	23.14 -0.96 0.00	29.11 -1.56 0.00	40.81 -1.39 0.00	50.96 -1.47 0.00	51.79 -1.33 0.00	44.31 -1.00 0.00	38.03 -0.78 0.00	35.11 -0.32 0.00
ORANGEVILLE___ESR 323794	33.19 -0.50 0.00	31.53 -0.68 0.00	32.29 -0.16 0.00	31.82 -0.42 0.00	32.72 -0.23 0.00	38.29 -0.15 0.00	53.34 -0.32 0.00	54.23 -1.27 0.00	40.96 -0.92 0.00	28.02 -0.96 0.00	25.04 -0.93 0.00	23.25 -0.55 0.00	22.65 -0.72 0.00	22.48 -0.34 0.00	21.78 -0.31 0.00	22.36 -0.55 0.00	23.14 -0.96 0.00	29.11 -1.56 0.00	40.81 -1.39 0.00	50.96 -1.47 0.00	51.79 -1.33 0.00	44.31 -1.00 0.00	38.03 -0.78 0.00	35.11 -0.32 0.00
OSWEGATCHIE___HYD 24044	37.17 -0.94 -4.42	34.87 -0.80 -3.46	31.67 -0.78 0.00	31.53 -0.71 0.00	32.22 -0.73 0.00	37.68 -0.77 0.00	52.75 -0.91 0.00	54.39 -1.11 0.00	40.76 -1.13 0.00	27.96 -1.01 0.00	24.94 -1.04 0.00	22.75 -1.05 0.00	22.40 -0.98 0.00	21.75 -1.07 0.00	21.01 -1.08 0.00	21.81 -1.10 0.00	23.02 -1.08 0.00	29.51 -1.17 0.00	41.11 -1.10 0.00	51.43 -1.00 0.00	52.26 -0.85 0.00	44.76 -0.54 0.00	38.23 -0.58 0.00	34.86 -0.57 0.00
OSWEGO___5 23606	33.02 -0.67 0.00	31.57 -0.64 0.00	31.80 -0.65 0.00	31.60 -0.64 0.00	32.29 -0.66 0.00	37.68 -0.77 0.00	52.70 -0.96 0.00	54.39 -1.11 0.00	41.05 -0.84 0.00	28.45 -0.52 0.00	25.51 -0.47 0.00	23.39 -0.40 0.00	22.96 -0.42 0.00	22.46 -0.37 0.00	21.71 -0.38 0.00	22.50 -0.41 0.00	23.62 -0.48 0.00	29.94 -0.74 0.00	41.24 -0.97 0.00	51.28 -1.15 0.00	51.94 -1.17 0.00	44.26 -1.04 0.00	37.92 -0.89 0.00	34.62 -0.81 0.00



OSWEGO___6 23613	33.02 -0.67 0.00	31.57 -0.64 0.00	31.80 -0.65 0.00	31.60 -0.64 0.00	32.29 -0.66 0.00	37.68 -0.77 0.00	52.70 -0.96 0.00	54.39 -1.11 0.00	41.05 -0.84 0.00	28.45 -0.52 0.00	25.51 -0.47 0.00	23.39 -0.40 0.00	22.96 -0.42 0.00	22.46 -0.37 0.00	21.71 -0.38 0.00	22.50 -0.41 0.00	23.62 -0.48 0.00	29.94 -0.74 0.00	41.24 -0.97 0.00	51.28 -1.15 0.00	51.94 -1.17 0.00	44.26 -1.04 0.00	37.92 -0.89 0.00	34.62 -0.81 0.00
OUTOKUMPU-AB___DRP 24206	33.05 -0.64 0.00	31.31 -0.90 0.00	32.16 -0.29 0.00	31.76 -0.48 0.00	32.62 -0.33 0.00	37.95 -0.50 0.00	52.64 -1.02 0.00	53.50 -2.00 0.00	40.75 -1.13 0.00	27.93 -1.04 0.00	25.02 -0.96 0.00	23.32 -0.48 0.00	22.68 -0.70 0.00	22.55 -0.27 0.00	21.89 -0.20 0.00	22.45 -0.46 0.00	23.02 -1.08 0.00	28.86 -1.81 0.00	40.31 -1.90 0.00	50.07 -2.36 0.00	50.88 -2.23 0.00	43.63 -1.68 0.00	37.45 -1.36 0.00	34.86 -0.57 0.00
OXBOW___BTM 323836	32.65 -1.04 0.00	30.92 -1.29 0.00	31.77 -0.68 0.00	31.18 -1.06 0.00	31.99 -0.96 0.00	37.45 -1.00 0.00	51.89 -1.77 0.00	52.78 -2.72 0.00	40.21 -1.68 0.00	27.59 -1.39 0.00	24.76 -1.22 0.00	23.09 -0.71 0.00	22.44 -0.94 0.00	22.34 -0.48 0.00	21.69 -0.40 0.00	22.27 -0.64 0.00	22.90 -1.20 0.00	28.56 -2.12 0.00	39.80 -2.40 0.00	49.34 -3.09 0.00	50.14 -2.97 0.00	43.04 -2.26 0.00	37.06 -1.75 0.00	34.23 -1.20 0.00
OXBOW____ 24026	32.68 -1.01 0.00	30.92 -1.29 0.00	31.77 -0.68 0.00	31.34 -0.90 0.00	32.22 -0.72 0.00	37.45 -1.00 0.00	51.84 -1.82 0.00	52.78 -2.72 0.00	40.21 -1.68 0.00	27.58 -1.39 0.00	24.73 -1.25 0.00	23.08 -0.71 0.00	22.44 -0.94 0.00	22.32 -0.50 0.00	21.69 -0.40 0.00	22.24 -0.66 0.00	22.80 -1.30 0.00	28.56 -2.12 0.00	39.80 -2.41 0.00	49.39 -3.04 0.00	50.19 -2.92 0.00	43.04 -2.27 0.00	36.98 -1.82 0.00	34.44 -0.99 0.00
OXY_CHEM_DSASP 323612	32.34 -1.35 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.95 -1.29 0.00	31.83 -1.12 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.12 -3.39 0.00	39.75 -2.14 0.00	27.32 -1.65 0.00	24.50 -1.48 0.00	22.87 -0.93 0.00	22.23 -1.15 0.00	22.14 -0.68 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.61 -1.49 0.00	28.28 -2.39 0.00	39.33 -2.87 0.00	48.76 -3.67 0.00	49.55 -3.56 0.00	42.45 -2.85 0.00	36.56 -2.25 0.00	34.05 -1.38 0.00
OZONE_PARK_ESR 323760	36.52 2.83 0.00	34.89 2.67 0.00	35.05 2.60 0.00	34.76 2.51 0.00	35.39 2.44 0.00	41.48 3.04 0.00	58.12 4.45 0.00	60.45 4.94 -10.25	55.86 3.73 -17.84	49.31 2.49 -19.02	47.30 2.31 -20.98	46.87 2.09 -18.89	44.33 2.06 -19.17	44.00 2.01 -22.47	46.54 1.99 -21.13	46.15 2.11 -20.57	46.96 2.29 -17.64	51.29 2.98 -7.76	53.93 3.97 -3.81	61.06 4.82 -2.82	60.71 4.78 -0.07	49.22 3.85 -1.97	44.07 3.30 -1.97	38.23 2.80 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	32.34 -1.35 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.95 -1.29 0.00	31.83 -1.12 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.12 -3.39 0.00	39.75 -2.14 0.00	27.32 -1.65 0.00	24.50 -1.48 0.00	22.87 -0.93 0.00	22.23 -1.15 0.00	22.14 -0.68 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.61 -1.49 0.00	28.28 -2.39 0.00	39.33 -2.87 0.00	48.76 -3.67 0.00	49.55 -3.56 0.00	42.45 -2.85 0.00	36.56 -2.25 0.00	34.05 -1.38 0.00
PACKARD___115KV_DUPONT_184 80571	32.34 -1.35 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.95 -1.29 0.00	31.83 -1.12 0.00	36.99 -1.46 0.00	51.14 -2.52 0.00	52.12 -3.39 0.00	39.75 -2.14 0.00	27.32 -1.65 0.00	24.50 -1.48 0.00	22.87 -0.93 0.00	22.23 -1.15 0.00	22.14 -0.68 0.00	21.51 -0.57 0.00	22.08 -0.82 0.00	22.61 -1.49 0.00	28.28 -2.39 0.00	39.33 -2.87 0.00	48.76 -3.67 0.00	49.55 -3.56 0.00	42.45 -2.85 0.00	36.56 -2.25 0.00	34.05 -1.38 0.00
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	36.33 2.63 -0.01	34.73 2.51 -0.01	34.86 2.40 -0.01	34.57 2.32 -0.01	35.26 2.31 -0.01	41.26 2.81 -0.01	57.86 4.19 -0.01	60.12 4.61 -0.01	57.80 3.43 -12.48	52.97 2.26 -21.74	51.28 2.13 -23.17	51.31 1.95 -25.56	48.28 1.89 -23.01	48.04 1.87 -23.35	51.31 1.86 -27.37	50.59 1.95 -25.74	51.29 2.12 -25.06	54.90 2.73 -21.50	55.28 3.63 -9.44	61.37 4.30 -4.64	60.79 4.25 -3.43	48.87 3.49 -0.08	44.18 2.99 -2.39	37.99 2.55 -0.01
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	36.50 2.80 -0.01	34.93 2.71 -0.01	35.03 2.56 -0.01	34.73 2.48 -0.01	35.39 2.44 -0.01	41.41 2.96 -0.01	58.08 4.40 -0.01	60.34 4.83 -0.01	57.93 3.56 -12.48	53.06 2.35 -21.74	51.33 2.18 -23.17	51.36 2.00 -25.56	48.33 1.94 -23.01	48.06 1.89 -23.35	51.34 1.88 -27.37	50.64 1.99 -25.74	51.38 2.22 -25.06	54.96 2.79 -21.50	55.36 3.71 -9.44	61.53 4.46 -4.64	60.95 4.41 -3.43	49.00 3.62 -0.08	44.34 3.14 -2.39	38.13 2.69 -0.01
PATROON___115KV_TB1 80586	34.57 0.88 0.00	33.08 0.87 0.00	33.26 0.81 0.00	33.02 0.77 0.00	33.77 0.82 0.00	39.41 0.96 0.00	54.95 1.29 0.00	56.94 1.44 0.00	42.97 1.09 0.00	29.76 0.78 0.00	26.68 0.70 0.00	24.42 0.62 0.00	23.99 0.61 0.00	23.39 0.57 0.00	22.66 0.57 0.00	23.50 0.60 0.00	24.85 0.75 0.00	31.62 0.95 0.00	43.34 1.14 0.00	53.74 1.31 0.00	54.44 1.33 0.00	46.39 1.09 0.00	39.66 0.85 0.00	36.21 0.78 0.00
PATTRSNVILLE___SOLAR 323815	35.71 2.02 0.00	34.11 1.90 0.00	34.33 1.88 0.00	34.11 1.87 0.00	34.89 1.94 0.00	40.98 2.54 0.00	57.58 3.92 0.00	59.11 3.61 0.00	43.68 1.80 0.00	29.64 0.67 0.00	26.34 0.36 0.00	24.04 0.24 0.00	23.57 0.19 0.00	22.94 0.11 0.00	22.15 0.07 0.00	23.02 0.12 0.00	24.39 0.29 0.00	31.56 0.89 0.00	44.40 2.19 0.00	55.83 3.41 0.00	56.83 3.72 0.00	48.38 3.08 0.00	41.18 2.37 0.00	37.52 2.09 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	33.52 -0.17 0.00	31.83 -0.39 0.00	32.65 0.19 0.00	32.24 0.00 0.00	33.18 0.23 0.00	38.60 0.15 0.00	53.72 0.05 0.00	54.39 -1.11 0.00	41.34 -0.54 0.00	28.22 -0.75 0.00	25.27 -0.70 0.00	23.51 -0.29 0.00	22.87 -0.51 0.00	22.71 -0.11 0.00	22.02 -0.07 0.00	22.61 -0.30 0.00	23.26 -0.84 0.00	29.26 -1.41 0.00	40.85 -1.35 0.00	50.80 -1.63 0.00	51.57 -1.54 0.00	44.12 -1.18 0.00	37.88 -0.93 0.00	35.47 0.04 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	35.85 2.16 0.00	34.34 2.13 0.00	34.46 2.01 0.00	34.18 1.93 0.00	34.93 1.98 0.00	40.91 2.46 0.00	57.42 3.76 0.00	59.55 4.05 0.00	44.86 2.97 0.00	30.89 1.91 0.00	27.69 1.71 0.00	25.32 1.52 0.00	24.92 1.54 0.00	24.28 1.46 0.00	23.57 1.48 0.00	24.49 1.58 0.00	25.91 1.81 0.00	32.94 2.27 0.00	45.33 3.12 0.00	56.26 3.83 0.00	56.88 3.77 0.00	48.20 2.90 0.00	41.33 2.52 0.00	37.59 2.16 0.00
PEEKSKILL____ 23653	35.78 2.09 0.00	34.24 2.03 0.00	34.37 1.91 0.00	34.14 1.90 0.00	34.86 1.91 0.00	40.75 2.31 0.00	57.05 3.38 0.00	59.22 3.72 0.00	45.05 2.85 -0.31	31.35 1.83 -0.54	28.27 1.71 -0.58	25.96 1.52 -0.64	25.47 1.52 -0.58	24.89 1.48 -0.58	24.25 1.48 -0.68	25.13 1.58 -0.64	26.49 1.76 -0.63	33.48 2.27 -0.54	45.44 3.00 -0.24	56.16 3.61 -0.12	56.76 3.56 -0.09	48.07 2.76 0.00	41.28 2.41 -0.06	37.52 2.09 0.00



PGE MADISON___WINDPWR 24146	36.29 2.59 0.00	34.60 2.38 0.00	34.95 2.50 0.00	34.76 2.52 0.00	35.62 2.67 0.00	41.91 3.46 0.00	59.57 5.90 0.00	65.05 9.55 0.00	47.33 5.44 0.00	31.32 2.35 0.00	27.15 1.17 0.00	24.63 0.83 0.00	24.08 0.70 0.00	23.21 0.39 0.00	22.53 0.44 0.00	23.48 0.57 0.00	25.14 1.04 0.00	31.96 1.29 0.00	45.24 3.04 0.00	57.31 4.88 0.00	58.05 4.94 0.00	49.42 4.12 0.00	42.03 3.22 0.00	38.37 2.94 0.00
PIERCEFIELD___HYD 23852	38.89 -1.31 -6.51	36.12 -1.19 -5.10	31.32 -1.14 0.00	31.21 -1.03 0.00	31.83 -1.12 0.00	37.06 -1.38 0.00	51.46 -2.20 0.00	53.12 -2.39 0.00	40.12 -1.76 0.00	27.61 -1.36 0.00	24.70 -1.27 0.00	22.56 -1.24 0.00	22.26 -1.12 0.00	21.61 -1.21 0.00	20.87 -1.21 0.00	21.65 -1.26 0.00	22.87 -1.23 0.00	29.26 -1.41 0.00	40.60 -1.60 0.00	50.49 -1.94 0.00	51.31 -1.81 0.00	44.17 -1.13 0.00	37.88 -0.93 0.00	34.58 -0.85 0.00
PINELAWN_CC_1 323563	36.05 2.36 0.00	34.43 2.22 0.00	34.56 2.11 0.00	34.31 2.07 0.00	35.06 2.11 0.00	40.98 2.54 0.00	56.61 2.95 0.00	59.05 3.56 0.00	46.45 3.85 -0.71	32.81 2.58 -1.25	29.70 2.39 -1.34	27.46 2.19 -1.47	26.86 2.15 -1.33	26.27 2.10 -1.35	25.79 2.12 -1.58	26.64 2.25 -1.48	27.96 2.41 -1.45	35.01 3.10 -1.24	46.71 3.97 -0.54	57.62 4.93 -0.26	58.14 4.83 -0.19	49.15 3.85 0.00	42.28 3.34 -0.13	37.56 2.13 0.00
PJM_GEN_HTP_PROXY 323702	36.19 2.49 0.00	34.60 2.38 0.00	34.76 2.30 0.00	34.50 2.26 0.00	35.22 2.27 0.00	41.14 2.69 0.00	57.64 3.97 0.00	59.89 4.38 0.00	52.99 3.35 -7.76	44.69 2.20 -13.51	42.43 2.05 -14.40	41.54 1.86 -15.89	39.53 1.85 -14.30	39.12 1.78 -14.52	40.89 1.79 -17.01	40.81 1.90 -16.00	41.75 2.07 -15.58	46.70 2.67 -13.36	51.58 3.50 -5.87	59.61 4.30 -2.89	59.44 4.19 -2.13	48.71 3.35 -0.05	43.17 2.87 -1.49	37.91 2.48 0.00
PJM_GEN_KEystone 24065	34.43 0.74 0.00	32.89 0.68 0.00	33.23 0.78 0.00	32.92 0.68 0.00	33.71 0.76 0.00	39.37 0.92 0.00	54.90 1.24 0.00	56.50 1.00 0.00	43.57 0.96 -0.72	30.69 0.46 -1.25	27.75 0.44 -1.34	25.82 0.55 -1.47	25.15 0.44 -1.33	24.76 0.59 -1.35	24.28 0.62 -1.58	24.97 0.57 -1.48	26.03 0.48 -1.45	32.37 0.46 -1.24	43.42 0.67 -0.54	53.43 0.73 -0.27	54.00 0.69 -0.20	45.81 0.50 0.00	39.49 0.54 -0.14	36.21 0.78 0.00
PJM_GEN_NEPTUNE_PROXY 323594	35.85 2.16 0.00	34.24 2.03 0.00	34.33 1.88 0.00	34.11 1.87 0.00	34.86 1.91 0.00	40.75 2.31 0.00	56.23 2.58 0.00	58.71 3.22 0.00	46.06 3.69 -0.49	32.38 2.55 -0.86	29.23 2.34 -0.92	26.93 2.12 -1.01	26.37 2.08 -0.91	25.78 2.03 -0.92	25.23 2.05 -1.08	26.06 2.13 -1.02	27.36 2.26 -0.99	34.37 2.85 -0.85	46.29 3.71 -0.37	57.06 4.45 -0.18	57.65 4.41 -0.13	48.88 3.58 0.00	42.04 3.14 -0.09	37.38 1.95 0.00
PJM_GEN_VFT_PROXY 323633	36.25 2.56 0.00	34.63 2.42 0.00	34.79 2.34 0.00	34.53 2.29 0.00	35.22 2.27 0.00	41.22 2.77 0.00	57.58 3.92 0.00	59.89 4.38 0.00	55.48 3.35 -10.25	49.08 2.26 -17.84	47.10 2.10 -19.02	46.68 1.90 -20.98	44.16 1.89 -18.89	43.84 1.85 -19.17	46.39 1.83 -22.47	45.99 1.95 -21.13	46.79 2.12 -20.57	51.04 2.73 -17.64	53.55 3.59 -7.76	60.54 4.30 -3.81	60.12 4.19 -2.82	48.81 3.44 -0.07	43.72 2.95 -1.97	37.98 2.55 0.00
PLATSBURG_115KV_PMLD1 355749	-6.88 -1.31 39.26	0.25 -1.22 30.74	31.28 -1.17 0.00	31.24 -1.00 0.00	31.89 -1.05 0.00	37.02 -1.42 0.00	51.68 -1.99 0.00	53.45 -2.05 0.00	40.25 -1.63 0.00	27.87 -1.10 0.00	24.99 -0.99 0.00	22.87 -0.93 0.00	22.56 -0.82 0.00	21.93 -0.89 0.00	21.16 -0.93 0.00	21.97 -0.94 0.00	23.18 -0.92 0.00	29.69 -0.98 0.00	41.19 -1.01 0.00	51.69 -0.73 0.00	52.64 -0.48 0.00	45.08 -0.23 0.00	38.77 -0.04 0.00	35.54 0.11 0.00
PLEASANTVLY___LBMP 24000	35.48 1.79 0.00	33.92 1.71 0.00	34.11 1.66 0.00	33.82 1.58 0.00	34.53 1.58 0.00	40.37 1.92 0.00	56.45 2.79 0.00	58.61 3.11 0.00	44.23 2.35 0.00	30.54 1.56 0.00	27.48 1.51 0.00	25.16 1.36 0.00	24.71 1.33 0.00	24.10 1.28 0.00	23.39 1.30 0.00	24.28 1.37 0.00	25.62 1.52 0.00	32.64 1.96 0.00	44.74 2.53 0.00	55.42 2.99 0.00	56.03 2.92 0.00	47.66 2.36 0.00	40.83 2.02 0.00	37.13 1.70 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	35.85 2.16 0.00	34.31 2.09 0.00	34.43 1.98 0.00	34.18 1.93 0.00	34.86 1.91 0.00	40.79 2.35 0.00	57.09 3.43 0.00	59.33 3.83 0.00	44.27 2.89 0.51	30.00 1.91 0.88	26.83 1.79 0.94	24.38 1.62 1.04	24.03 1.59 0.94	23.42 1.55 0.95	22.52 1.55 1.11	23.51 1.65 1.05	24.91 1.83 1.02	32.13 2.33 0.87	44.90 3.08 0.38	55.96 3.72 0.19	56.59 3.61 0.14	48.20 2.90 0.00	41.20 2.48 0.10	37.52 2.09 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	35.85 2.16 0.00	34.31 2.09 0.00	34.43 1.98 0.00	34.18 1.93 0.00	34.86 1.91 0.00	40.79 2.35 0.00	57.09 3.43 0.00	59.33 3.83 0.00	44.27 2.89 0.51	30.00 1.91 0.88	26.83 1.79 0.94	24.38 1.62 1.04	24.03 1.59 0.94	23.42 1.55 0.95	22.52 1.55 1.11	23.51 1.65 1.05	24.91 1.83 1.02	32.13 2.33 0.87	44.90 3.08 0.38	55.96 3.72 0.19	56.59 3.61 0.14	48.20 2.90 0.00	41.20 2.48 0.10	37.52 2.09 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	35.58 1.89 0.00	34.05 1.84 0.00	34.20 1.75 0.00	33.95 1.71 0.00	34.66 1.71 0.00	40.52 2.08 0.00	56.77 3.11 0.00	58.83 3.33 0.00	44.36 2.47 0.00	30.63 1.65 0.00	27.51 1.53 0.00	25.16 1.36 0.00	24.71 1.33 0.00	24.12 1.30 0.00	23.41 1.33 0.00	24.33 1.42 0.00	25.67 1.57 0.00	32.70 2.02 0.00	44.95 2.74 0.00	55.68 3.25 0.00	56.30 3.19 0.00	47.79 2.49 0.00	40.98 2.17 0.00	37.27 1.84 0.00
POLETTI___ 23519	36.32 2.63 0.00	34.69 2.48 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.19 2.24 0.00	41.25 2.81 0.00	57.75 4.08 0.00	60.00 4.50 0.00	55.60 3.48 -10.24	49.13 2.32 -17.84	47.14 2.16 -19.01	46.72 1.95 -20.97	44.18 1.92 -18.88	43.86 1.87 -19.16	46.42 1.88 -22.46	46.00 1.97 -21.12	46.83 2.17 -20.56	51.10 2.79 -17.64	53.63 3.67 -7.75	60.69 4.46 -3.81	60.28 4.36 -2.81	48.90 3.53 -0.07	43.80 3.03 -1.97	37.98 2.55 0.00
POMONA___ESR 323819	35.68 1.99 0.00	34.15 1.93 0.00	34.30 1.85 0.00	34.05 1.80 0.00	34.79 1.84 0.00	40.64 2.19 0.00	56.88 3.22 0.00	59.06 3.56 0.00	44.60 2.72 0.00	30.77 1.80 0.00	27.66 1.69 0.00	25.30 1.50 0.00	24.88 1.50 0.00	24.28 1.46 0.00	23.55 1.46 0.00	24.47 1.56 0.00	25.79 1.69 0.00	32.88 2.21 0.00	45.08 2.87 0.00	55.89 3.46 0.00	56.46 3.35 0.00	47.84 2.54 0.00	41.02 2.21 0.00	37.38 1.95 0.00
PORT_JEFF_3 23555	35.88 2.19 0.00	34.34 2.13 0.00	34.43 1.98 0.00	34.21 1.97 0.00	34.96 2.01 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.02 3.56 -0.58	32.34 2.35 -1.02	29.30 2.23 -1.09	27.09 2.09 -1.20	26.49 2.03 -1.08	25.90 1.98 -1.10	25.36 1.99 -1.29	26.32 2.20 -1.21	27.61 2.34 -1.18	34.72 3.04 -1.01	46.44 3.80 -0.44	57.46 4.82 -0.21	57.99 4.73 -0.15	49.01 3.72 0.00	42.06 3.14 -0.10	37.38 1.95 0.00



PORT_JEFF_4 23616	35.88 2.19 0.00	34.34 2.13 0.00	34.43 1.98 0.00	34.21 1.97 0.00	34.96 2.01 0.00	40.83 2.38 0.00	56.34 2.68 0.00	58.77 3.27 0.00	46.02 3.56 -0.58	32.34 2.35 -1.02	29.30 2.23 -1.09	27.09 2.09 -1.20	26.49 2.03 -1.08	25.90 1.98 -1.10	25.36 1.99 -1.29	26.32 2.20 -1.21	27.61 2.34 -1.18	34.72 3.04 -1.01	46.44 3.80 -0.44	57.46 4.82 -0.21	57.99 4.73 -0.15	49.01 3.72 0.00	42.06 3.14 -0.10	37.38 1.95 0.00
PORT_JEFF_IC 23713	35.92 2.22 0.00	34.37 2.16 0.00	34.46 2.01 0.00	33.95 1.71 0.00	34.63 1.68 0.00	40.83 2.38 0.00	56.29 2.63 0.00	58.72 3.22 0.00	45.99 3.52 -0.59	32.38 2.38 -1.03	29.31 2.23 -1.09	27.13 2.12 -1.21	26.52 2.06 -1.09	25.93 2.01 -1.10	25.39 2.01 -1.29	26.35 2.22 -1.22	27.65 2.36 -1.18	34.72 3.04 -1.02	46.49 3.84 -0.44	57.20 4.56 -0.21	57.68 4.41 -0.15	49.06 3.76 0.00	42.10 3.18 -0.11	37.27 1.84 0.00
PPL PILGRIM_ST_GT1 24216	36.12 2.43 0.00	34.53 2.32 0.00	34.63 2.17 0.00	34.40 2.16 0.00	35.16 2.21 0.00	41.10 2.65 0.00	56.66 3.00 0.00	59.16 3.66 0.00	46.34 3.85 -0.60	32.61 2.58 -1.06	29.49 2.39 -1.13	27.26 2.21 -1.24	26.67 2.17 -1.12	26.08 2.12 -1.14	25.54 2.12 -1.33	26.45 2.29 -1.25	27.78 2.46 -1.22	34.91 3.19 -1.04	46.75 4.09 -0.45	57.79 5.14 -0.22	58.26 4.99 -0.16	49.28 3.99 0.00	42.33 3.42 -0.11	37.63 2.20 0.00
PPL PILGRIM_ST_GT2 24217	36.12 2.43 0.00	34.53 2.32 0.00	34.63 2.17 0.00	34.40 2.16 0.00	35.16 2.21 0.00	41.10 2.65 0.00	56.66 3.00 0.00	59.16 3.66 0.00	46.34 3.85 -0.60	32.61 2.58 -1.06	29.49 2.39 -1.13	27.26 2.21 -1.24	26.67 2.17 -1.12	26.08 2.12 -1.14	25.54 2.12 -1.33	26.45 2.29 -1.25	27.78 2.46 -1.22	34.91 3.19 -1.04	46.75 4.09 -0.45	57.79 5.14 -0.22	58.26 4.99 -0.16	49.28 3.99 0.00	42.33 3.42 -0.11	37.63 2.20 0.00
PPL_SHRM_GT3 24213	35.24 1.55 0.00	33.89 1.67 0.00	33.95 1.49 0.00	33.76 1.52 0.00	34.50 1.55 0.00	40.10 1.65 0.00	55.43 1.77 0.00	57.83 2.33 0.00	45.23 2.76 -0.58	31.76 1.77 -1.02	28.83 1.77 -1.09	26.79 1.79 -1.20	26.19 1.73 -1.08	25.61 1.69 -1.10	25.05 1.68 -1.29	26.09 1.97 -1.21	27.33 2.05 -1.18	34.29 2.61 -1.01	45.68 3.04 -0.44	56.62 3.98 -0.21	57.09 3.83 -0.15	48.24 2.94 0.00	41.36 2.45 -0.10	36.71 1.27 0.00
PPL_SHRM_GT4 24214	35.24 1.55 0.00	33.89 1.67 0.00	33.95 1.49 0.00	33.76 1.52 0.00	34.50 1.55 0.00	40.10 1.65 0.00	55.43 1.77 0.00	57.83 2.33 0.00	45.23 2.76 -0.58	31.76 1.77 -1.02	28.83 1.77 -1.09	26.79 1.79 -1.20	26.19 1.73 -1.08	25.61 1.69 -1.10	25.05 1.68 -1.29	26.09 1.97 -1.21	27.33 2.05 -1.18	34.29 2.61 -1.01	45.68 3.04 -0.44	56.62 3.98 -0.21	57.09 3.83 -0.15	48.24 2.94 0.00	41.36 2.45 -0.10	36.71 1.27 0.00
PROJECT___ORANGE 1 24174	33.56 -0.13 0.00	32.05 -0.16 0.00	32.32 -0.13 0.00	32.11 -0.13 0.00	32.85 -0.10 0.00	38.33 -0.12 0.00	53.61 -0.05 0.00	55.39 -0.11 0.00	41.76 -0.13 0.00	28.92 -0.06 0.00	25.87 -0.10 0.00	23.70 -0.10 0.00	23.29 -0.09 0.00	22.78 -0.05 0.00	22.02 -0.07 0.00	22.82 -0.09 0.00	23.91 -0.19 0.00	30.37 -0.31 0.00	41.87 -0.34 0.00	52.11 -0.31 0.00	52.79 -0.32 0.00	44.94 -0.36 0.00	38.46 -0.35 0.00	35.11 -0.32 0.00
PROJECT___ORANGE 2 24166	33.56 -0.13 0.00	32.05 -0.16 0.00	32.32 -0.13 0.00	32.11 -0.13 0.00	32.85 -0.10 0.00	38.33 -0.12 0.00	53.61 -0.05 0.00	55.39 -0.11 0.00	41.76 -0.13 0.00	28.92 -0.06 0.00	25.87 -0.10 0.00	23.70 -0.10 0.00	23.29 -0.09 0.00	22.78 -0.05 0.00	22.02 -0.07 0.00	22.82 -0.09 0.00	23.91 -0.19 0.00	30.37 -0.31 0.00	41.87 -0.34 0.00	52.11 -0.31 0.00	52.79 -0.32 0.00	44.94 -0.36 0.00	38.46 -0.35 0.00	35.11 -0.32 0.00
PUCKETT___SOLAR 323809	34.77 1.08 0.00	33.18 0.97 0.00	33.49 1.04 0.00	33.24 1.00 0.00	34.07 1.12 0.00	39.83 1.38 0.00	55.97 2.31 0.00	58.00 2.50 0.00	43.35 1.47 0.00	29.55 0.58 0.00	26.24 0.26 0.00	24.01 0.21 0.00	23.54 0.16 0.00	22.98 0.16 0.00	22.24 0.16 0.00	23.07 0.16 0.00	24.29 0.19 0.00	31.01 0.34 0.00	43.18 0.97 0.00	54.00 1.57 0.00	54.71 1.59 0.00	46.57 1.27 0.00	39.86 1.05 0.00	36.49 1.06 0.00
PYRITES___HYD 24023	39.04 -0.51 -5.85	36.38 -0.42 -4.58	32.10 -0.36 0.00	31.98 -0.26 0.00	32.65 -0.30 0.00	38.06 -0.38 0.00	52.96 -0.70 0.00	54.56 -0.94 0.00	41.00 -0.88 0.00	28.14 -0.84 0.00	25.09 -0.88 0.00	22.92 -0.69 0.00	22.61 -0.77 0.00	21.95 -0.87 0.00	21.20 -0.88 0.00	21.99 -0.92 0.00	23.23 -0.87 0.00	29.78 -0.89 0.00	41.49 -0.72 0.00	51.80 -0.63 0.00	52.64 -0.48 0.00	45.30 0.00 0.00	38.81 0.00 0.00	35.43 0.00 0.00
QUAKERRD_115KV_BK1 80622	32.78 -0.91 0.00	31.15 -1.06 0.00	31.58 -0.88 0.00	31.34 -0.90 0.00	32.06 -0.89 0.00	37.45 -1.00 0.00	52.21 -1.45 0.00	53.84 -1.67 0.00	40.67 -1.21 0.00	28.05 -0.93 0.00	25.09 -0.88 0.00	23.11 -0.69 0.00	22.63 -0.75 0.00	22.27 -0.55 0.00	21.56 -0.53 0.00	22.22 -0.69 0.00	23.06 -1.04 0.00	29.23 -1.44 0.00	40.56 -1.65 0.00	50.54 -1.89 0.00	51.41 -1.70 0.00	43.72 -1.59 0.00	37.49 -1.32 0.00	34.30 -1.13 0.00
QUEENSBRY_115KV_TB8 356137	35.65 1.95 0.00	34.05 1.84 0.00	34.27 1.82 0.00	34.02 1.77 0.00	35.02 2.08 0.00	41.18 2.73 0.00	58.06 4.40 0.00	60.00 4.50 0.00	44.82 2.93 0.00	30.66 1.68 0.00	27.22 1.25 0.00	24.80 1.00 0.00	24.34 0.96 0.00	23.67 0.84 0.00	22.86 0.77 0.00	23.78 0.87 0.00	25.23 1.13 0.00	32.18 1.50 0.00	44.69 2.49 0.00	55.78 3.36 0.00	56.88 3.77 0.00	48.38 3.08 0.00	41.14 2.33 0.00	37.49 2.06 0.00
RAMAPO___LBMP 323565	35.48 1.79 0.00	33.95 1.74 0.00	34.08 1.62 0.00	33.82 1.58 0.00	34.56 1.61 0.00	40.41 1.96 0.00	56.45 2.79 0.00	58.67 3.16 0.00	44.31 2.43 0.00	30.60 1.62 0.00	27.51 1.53 0.00	25.18 1.38 0.00	24.74 1.36 0.00	24.15 1.32 0.00	23.41 1.33 0.00	24.33 1.42 0.00	25.64 1.54 0.00	32.67 1.99 0.00	44.78 2.57 0.00	55.47 3.04 0.00	56.09 2.97 0.00	47.61 2.31 0.00	40.87 2.06 0.00	37.20 1.77 0.00
RANKINE____ 23646	33.32 -0.37 0.00	31.60 -0.61 0.00	32.42 -0.03 0.00	32.02 -0.23 0.00	32.95 0.00 0.00	38.29 -0.15 0.00	53.23 -0.43 0.00	54.06 -1.44 0.00	41.13 -0.75 0.00	28.16 -0.81 0.00	25.22 -0.75 0.00	23.49 -0.31 0.00	22.84 -0.54 0.00	22.69 -0.14 0.00	22.02 -0.07 0.00	22.59 -0.32 0.00	23.21 -0.89 0.00	29.14 -1.53 0.00	40.68 -1.52 0.00	50.59 -1.84 0.00	51.41 -1.70 0.00	43.99 -1.31 0.00	37.76 -1.05 0.00	35.18 -0.25 0.00
RAVENSWOOD_GT2_1 24244	36.25 2.56 0.00	34.63 2.42 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.21 2.77 0.00	57.64 3.97 -0.01	59.95 4.44 -0.01	57.72 3.35 -12.48	52.95 2.23 -21.74	51.25 2.10 -23.17	51.26 1.90 -25.56	48.26 1.87 -23.01	48.00 1.83 -23.36	51.27 1.81 -27.37	50.58 1.92 -25.75	51.26 2.10 -25.06	54.87 2.70 -21.50	55.24 3.59 -9.45	61.37 4.30 -4.64	60.79 4.25 -3.43	48.83 3.44 -0.08	44.15 2.95 -2.40	37.95 2.52 0.00



RAVENSWOOD_GT2_2 24245	36.25 2.56 0.00	34.63 2.42 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.21 2.77 0.00	57.64 3.97 -0.01	59.95 4.44 -0.01	57.72 3.35 -12.48	52.95 2.23 -21.74	51.25 2.10 -23.17	51.26 1.90 -25.56	48.26 1.87 -23.01	48.00 1.83 -23.36	51.27 1.81 -27.37	50.58 1.92 -25.75	51.26 2.10 -25.06	54.87 2.70 -21.50	55.24 3.59 -9.45	61.37 4.30 -4.64	60.79 4.25 -3.43	48.83 3.44 -0.08	44.15 2.95 -2.40	37.95 2.52 0.00
RAVENSWOOD_GT2_3 24246	36.25 2.56 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.53 2.29 0.00	35.16 2.21 0.00	41.21 2.77 0.00	57.69 4.02 -0.01	59.95 4.44 -0.01	57.76 3.39 -12.48	52.97 2.26 -21.74	51.25 2.10 -23.17	51.26 1.90 -25.56	48.26 1.87 -23.01	48.00 1.83 -23.36	51.29 1.83 -27.37	50.58 1.92 -25.75	51.29 2.12 -25.06	54.90 2.73 -21.50	55.24 3.59 -9.45	61.42 4.35 -4.64	60.79 4.25 -3.43	48.83 3.44 -0.08	44.15 2.95 -2.40	37.95 2.52 0.00
RAVENSWOOD_GT2_4 24247	36.25 2.56 0.00	34.66 2.45 0.00	34.82 2.37 0.00	34.53 2.29 0.00	35.16 2.21 0.00	41.21 2.77 0.00	57.69 4.02 -0.01	59.95 4.44 -0.01	57.76 3.39 -12.48	52.97 2.26 -21.74	51.25 2.10 -23.17	51.26 1.90 -25.56	48.26 1.87 -23.01	48.00 1.83 -23.36	51.29 1.83 -27.37	50.58 1.92 -25.75	51.29 2.12 -25.06	54.90 2.73 -21.50	55.24 3.59 -9.45	61.42 4.35 -4.64	60.79 4.25 -3.43	48.83 3.44 -0.08	44.15 2.95 -2.40	37.95 2.52 0.00
RAVENSWOOD_GT3_1 24248	36.25 2.56 0.00	34.63 2.42 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.21 2.77 0.00	57.69 4.02 -0.01	59.95 4.44 -0.01	57.72 3.35 -12.48	52.95 2.23 -21.74	51.25 2.10 -23.17	51.26 1.90 -25.56	48.26 1.87 -23.01	48.00 1.83 -23.36	51.27 1.81 -27.37	50.58 1.92 -25.75	51.26 2.10 -25.06	54.87 2.70 -21.50	55.24 3.59 -9.45	61.42 4.35 -4.64	60.79 4.25 -3.43	48.83 3.44 -0.08	44.15 2.95 -2.40	37.95 2.52 0.00
RAVENSWOOD_GT3_2 24249	36.25 2.56 0.00	34.63 2.42 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.21 2.77 0.00	57.69 4.02 -0.01	59.95 4.44 -0.01	57.72 3.35 -12.48	52.95 2.23 -21.74	51.25 2.10 -23.17	51.26 1.90 -25.56	48.26 1.87 -23.01	48.00 1.83 -23.36	51.27 1.81 -27.37	50.58 1.92 -25.75	51.26 2.10 -25.06	54.87 2.70 -21.50	55.24 3.59 -9.45	61.42 4.35 -4.64	60.79 4.25 -3.43	48.83 3.44 -0.08	44.15 2.95 -2.40	37.95 2.52 0.00
RAVENSWOOD_GT3_3 24250	36.29 2.59 0.00	34.69 2.48 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.19 2.24 0.00	41.25 2.81 0.00	57.75 4.08 -0.01	60.00 4.50 -0.01	57.80 3.43 -12.48	53.00 2.29 -21.74	51.28 2.13 -23.17	51.29 1.93 -25.56	48.29 1.89 -23.01	48.03 1.85 -23.36	51.31 1.86 -27.37	50.60 1.95 -25.75	51.31 2.14 -25.06	54.93 2.76 -21.50	55.28 3.63 -9.45	61.47 4.40 -4.64	60.85 4.30 -3.43	48.87 3.49 -0.08	44.19 2.99 -2.40	37.98 2.55 0.00
RAVENSWOOD_GT3_4 24251	36.29 2.59 0.00	34.69 2.48 0.00	34.82 2.37 0.00	34.56 2.32 0.00	35.19 2.24 0.00	41.25 2.81 0.00	57.75 4.08 -0.01	60.00 4.50 -0.01	57.80 3.43 -12.48	53.00 2.29 -21.74	51.28 2.13 -23.17	51.29 1.93 -25.56	48.29 1.89 -23.01	48.03 1.85 -23.36	51.31 1.86 -27.37	50.60 1.95 -25.75	51.31 2.14 -25.06	54.93 2.76 -21.50	55.28 3.63 -9.45	61.47 4.40 -4.64	60.85 4.30 -3.43	48.87 3.49 -0.08	44.19 2.99 -2.40	37.98 2.55 0.00
RAVENSWOOD_GT_1 23729	39.46 2.76 -3.01	34.99 2.61 -0.17	35.00 2.53 -0.02	34.70 2.45 -0.01	35.36 2.41 -0.01	43.20 2.96 -1.79	57.97 4.29 -0.01	60.29 4.77 -0.01	57.97 3.60 -12.48	53.12 2.40 -21.74	51.17 2.23 -22.96	51.13 2.05 -25.29	50.31 1.99 -24.94	50.25 1.96 -25.46	51.09 1.94 -27.05	50.45 2.04 -25.50	51.03 2.22 -24.71	55.02 2.85 -21.50	58.12 3.80 -12.12	61.63 4.56 -4.64	61.01 4.46 -3.43	51.18 3.67 -2.21	50.67 3.14 -8.71	40.83 2.69 -2.71
RAVENSWOOD_GT_10 24258	36.40 2.56 -0.15	34.63 2.42 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.30 2.77 -0.09	57.64 3.97 -0.01	59.95 4.44 -0.01	57.72 3.35 -12.48	52.95 2.23 -21.74	51.22 2.08 -23.17	51.26 1.90 -25.56	48.56 1.87 -23.31	48.33 1.83 -23.68	51.27 1.81 -27.37	50.59 1.92 -25.76	51.26 2.10 -25.06	54.87 2.70 -21.50	55.55 3.59 -9.76	61.37 4.30 -4.64	60.79 4.25 -3.43	48.96 3.40 -0.26	44.74 2.95 -2.98	38.08 2.52 -0.13
RAVENSWOOD_GT_11 24259	36.40 2.56 -0.15	34.63 2.42 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.30 2.77 -0.09	57.64 3.97 -0.01	59.95 4.44 -0.01	57.72 3.35 -12.48	52.95 2.23 -21.74	51.22 2.08 -23.17	51.26 1.90 -25.56	48.56 1.87 -23.31	48.33 1.83 -23.68	51.27 1.81 -27.37	50.59 1.92 -25.76	51.26 2.10 -25.06	54.87 2.70 -21.50	55.55 3.59 -9.76	61.37 4.30 -4.64	60.79 4.25 -3.43	48.96 3.40 -0.26	44.74 2.95 -2.98	38.08 2.52 -0.13
RAVENSWOOD_GT_4 24252	38.51 2.53 -2.29	34.73 2.38 -0.13	34.77 2.30 -0.01	34.47 2.22 -0.01	35.13 2.17 -0.01	42.54 2.73 -1.37	57.59 3.92 -0.01	59.90 4.38 -0.01	57.68 3.31 -12.48	52.92 2.20 -21.74	51.06 2.08 -23.01	51.03 1.88 -25.35	49.71 1.85 -24.48	49.59 1.80 -24.96	51.01 1.79 -27.13	50.37 1.90 -25.56	50.97 2.07 -24.80	54.84 2.67 -21.50	57.23 3.55 -11.48	61.37 4.30 -4.64	60.74 4.20 -3.43	50.40 3.40 -1.70	48.93 2.91 -7.21	39.97 2.48 -2.06
RAVENSWOOD_GT_5 24254	38.51 2.53 -2.29	34.73 2.38 -0.13	34.77 2.30 -0.01	34.47 2.22 -0.01	35.13 2.17 -0.01	42.54 2.73 -1.37	57.59 3.92 -0.01	59.90 4.38 -0.01	57.68 3.31 -12.48	52.92 2.20 -21.74	51.06 2.08 -23.01	51.03 1.88 -25.35	49.71 1.85 -24.48	49.59 1.80 -24.96	51.01 1.79 -27.13	50.37 1.90 -25.56	50.97 2.07 -24.80	54.84 2.67 -21.50	57.23 3.55 -11.48	61.37 4.30 -4.64	60.74 4.20 -3.43	50.40 3.40 -1.70	48.93 2.91 -7.21	39.97 2.48 -2.06
RAVENSWOOD_GT_6 24253	38.51 2.53 -2.29	34.73 2.38 -0.13	34.77 2.30 -0.01	34.47 2.22 -0.01	35.13 2.17 -0.01	42.54 2.73 -1.37	57.59 3.92 -0.01	59.90 4.38 -0.01	57.68 3.31 -12.48	52.92 2.20 -21.74	51.06 2.08 -23.01	51.03 1.88 -25.35	49.71 1.85 -24.48	49.59 1.80 -24.96	51.01 1.79 -27.13	50.37 1.90 -25.56	50.97 2.07 -24.80	54.84 2.67 -21.50	57.23 3.55 -11.48	61.37 4.30 -4.64	60.74 4.20 -3.43	50.40 3.40 -1.70	48.93 2.91 -7.21	39.97 2.48 -2.06
RAVENSWOOD_GT_7 24255	38.51 2.53 -2.29	34.73 2.38 -0.13	34.77 2.30 -0.01	34.47 2.22 -0.01	35.13 2.17 -0.01	42.54 2.73 -1.37	57.59 3.92 -0.01	59.90 4.38 -0.01	57.68 3.31 -12.48	52.92 2.20 -21.74	51.06 2.08 -23.01	51.03 1.88 -25.35	49.71 1.85 -24.48	49.59 1.80 -24.96	51.01 1.79 -27.13	50.37 1.90 -25.56	50.97 2.07 -24.80	54.84 2.67 -21.50	57.23 3.55 -11.48	61.37 4.30 -4.64	60.74 4.20 -3.43	50.40 3.40 -1.70	48.93 2.91 -7.21	39.97 2.48 -2.06
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	36.40 2.56 -0.15	34.63 2.42 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.30 2.77 -0.09	57.64 3.97 -0.01	59.95 4.44 -0.01	57.72 3.35 -12.48	52.95 2.23 -21.74	51.22 2.08 -23.17	51.26 1.90 -25.56	48.56 1.87 -23.31	48.33 1.83 -23.68	51.27 1.81 -27.37	50.59 1.92 -25.76	51.26 2.10 -25.06	54.87 2.70 -21.50	55.55 3.59 -9.76	61.37 4.30 -4.64	60.79 4.25 -3.43	48.96 3.40 -0.26	44.74 2.95 -2.98	38.08 2.52 -0.13



RAVENSWOOD_GT_9 24257	36.40 2.56 -0.15	34.63 2.42 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.30 2.77 -0.09	57.64 3.97 -0.01	59.95 4.44 -0.01	57.72 3.35 -12.48	52.95 2.23 -21.74	51.22 2.08 -23.17	51.26 1.90 -25.56	48.56 1.87 -23.31	48.33 1.83 -23.68	51.27 1.81 -27.37	50.59 1.92 -25.76	51.26 2.10 -25.06	54.87 2.70 -21.50	55.55 3.59 -9.76	61.37 4.30 -4.64	60.79 4.25 -3.43	48.96 3.40 -0.26	44.74 2.95 -2.98	38.08 2.52 -0.13
RAVENSWOOD___1 23533	37.91 2.73 -1.49	34.86 2.61 -0.04	35.00 2.53 -0.01	34.73 2.48 -0.01	35.46 2.50 -0.01	42.29 2.96 -0.88	57.97 4.29 -0.01	60.23 4.71 -0.01	57.97 3.60 -12.48	53.09 2.38 -21.74	51.38 2.23 -23.17	51.38 2.02 -25.56	51.38 1.99 -26.01	51.38 1.94 -26.61	51.38 1.92 -27.37	50.85 2.04 -25.90	51.38 2.22 -25.06	55.02 2.85 -21.50	58.54 3.80 -12.54	61.63 4.56 -4.64	61.06 4.51 -3.43	50.81 3.63 -1.88	50.21 3.11 -8.29	39.50 2.73 -1.34
RAVENSWOOD___2 23534	37.89 2.70 -1.50	34.80 2.54 -0.04	34.93 2.47 -0.01	34.67 2.42 -0.01	35.39 2.44 -0.01	42.25 2.92 -0.89	57.86 4.19 -0.01	60.12 4.60 -0.01	57.89 3.52 -12.48	53.03 2.32 -21.74	51.33 2.18 -23.17	51.33 1.97 -25.56	51.34 1.94 -26.02	51.34 1.89 -26.63	51.34 1.88 -27.37	50.80 1.99 -25.90	51.33 2.17 -25.06	54.96 2.79 -21.50	58.47 3.71 -12.55	61.42 4.35 -4.64	60.95 4.41 -3.43	50.76 3.58 -1.88	50.15 3.03 -8.31	39.44 2.66 -1.35
RAVENSWOOD___3 23535	36.25 2.56 0.00	34.63 2.42 0.00	34.79 2.34 0.00	34.56 2.32 0.00	35.25 2.31 0.00	41.22 2.77 0.00	57.69 4.03 -0.01	59.95 4.44 -0.01	57.76 3.39 -12.48	52.95 2.23 -21.74	51.25 2.10 -23.17	51.26 1.90 -25.56	48.26 1.87 -23.01	48.00 1.83 -23.36	51.27 1.81 -27.37	50.58 1.92 -25.75	51.26 2.10 -25.06	54.87 2.70 -21.50	55.24 3.59 -9.45	61.42 4.35 -4.64	60.79 4.25 -3.43	48.78 3.40 -0.08	44.12 2.91 -2.40	37.98 2.55 0.00
RAVENSWOOD___4 23820	36.43 2.73 -0.01	34.74 2.61 0.08	34.99 2.53 0.00	34.73 2.48 -0.01	35.43 2.47 -0.01	41.40 2.96 0.01	57.97 4.29 -0.01	60.23 4.71 -0.01	57.97 3.60 -12.48	53.09 2.38 -21.74	51.56 2.21 -23.38	51.65 2.02 -25.83	52.44 1.99 -27.08	52.52 1.94 -27.76	51.69 1.92 -27.68	51.24 2.04 -26.30	51.70 2.19 -25.41	55.02 2.85 -21.50	58.92 3.75 -12.96	61.58 4.51 -4.64	61.01 4.46 -3.43	50.49 3.63 -1.56	49.81 3.11 -7.90	38.17 2.73 -0.01
RCPL_TRUST___DRP 24196	36.39 2.70 0.00	34.82 2.61 0.00	34.89 2.43 0.00	34.63 2.39 0.00	35.32 2.37 0.00	41.33 2.88 0.00	58.07 4.40 0.00	60.39 4.88 0.00	53.37 3.73 -7.76	44.98 2.49 -13.51	42.69 2.31 -14.40	41.80 2.12 -15.89	39.74 2.06 -14.30	39.35 2.01 -14.52	41.11 2.01 -17.01	41.02 2.11 -16.00	41.97 2.29 -15.58	47.01 2.98 -13.36	52.00 3.92 -5.87	60.08 4.77 -2.89	59.92 4.67 -2.13	49.07 3.71 -0.05	43.52 3.22 -1.49	38.09 2.66 0.00
RED___ROCHESTER 323720	33.59 -0.10 0.00	31.92 -0.29 0.00	32.42 -0.03 0.00	32.02 -0.22 0.00	32.78 -0.16 0.00	38.41 -0.04 0.00	53.56 -0.11 0.00	55.17 -0.33 0.00	41.68 -0.21 0.00	28.71 -0.26 0.00	25.69 -0.29 0.00	23.70 -0.09 0.00	23.19 -0.19 0.00	22.87 0.05 0.00	22.13 0.04 0.00	22.79 -0.11 0.00	23.64 -0.46 0.00	29.85 -0.83 0.00	41.53 -0.68 0.00	51.80 -0.63 0.00	52.69 -0.43 0.00	44.85 -0.45 0.00	38.46 -0.35 0.00	35.11 -0.32 0.00
REGAN___SOLAR 323812	36.29 2.59 0.00	34.63 2.42 0.00	34.89 2.44 0.00	34.63 2.39 0.00	35.45 2.50 0.00	41.71 3.27 0.00	58.81 5.15 0.00	60.39 4.89 0.00	44.60 2.72 0.00	30.25 1.27 0.00	26.83 0.86 0.00	24.49 0.69 0.00	23.99 0.61 0.00	23.35 0.53 0.00	22.53 0.44 0.00	23.41 0.50 0.00	24.82 0.72 0.00	32.08 1.41 0.00	45.16 2.95 0.00	56.83 4.40 0.00	58.00 4.88 0.00	49.29 3.99 0.00	41.87 3.07 0.00	38.16 2.73 0.00
RENSSELAER___COGEN 23796	34.43 0.74 0.00	32.95 0.74 0.00	33.13 0.68 0.00	32.92 0.68 0.00	33.64 0.69 0.00	39.25 0.81 0.00	54.68 1.02 0.00	56.67 1.17 0.00	42.80 0.92 0.00	29.64 0.67 0.00	26.57 0.60 0.00	24.35 0.55 0.00	23.89 0.51 0.00	23.32 0.50 0.00	22.60 0.51 0.00	23.46 0.55 0.00	24.75 0.65 0.00	31.53 0.86 0.00	43.18 0.97 0.00	53.53 1.10 0.00	54.18 1.06 0.00	46.16 0.86 0.00	39.51 0.70 0.00	36.07 0.64 0.00
REPUBLIC_115KV_BARTNBRK 55605	36.56 2.86 0.00	34.85 2.64 0.00	35.08 2.63 0.00	34.82 2.58 0.00	35.88 2.93 0.00	42.37 3.92 0.00	60.05 6.39 0.00	61.72 6.22 0.00	45.86 3.98 0.00	31.15 2.17 0.00	27.53 1.56 0.00	25.04 1.24 0.00	24.57 1.19 0.00	23.83 1.00 0.00	22.97 0.88 0.00	23.92 1.01 0.00	25.47 1.37 0.00	32.60 1.93 0.00	45.67 3.46 0.00	57.36 4.93 0.00	58.85 5.74 0.00	49.92 4.62 0.00	42.22 3.42 0.00	38.48 3.05 0.00
REVERE_CPPR_DRP 24186	34.80 1.11 0.00	33.24 1.03 0.00	33.52 1.07 0.00	33.31 1.06 0.00	34.07 1.12 0.00	39.91 1.46 0.00	56.24 2.58 0.00	57.94 2.44 0.00	43.39 1.51 0.00	29.73 0.75 0.00	26.44 0.47 0.00	24.16 0.36 0.00	23.73 0.35 0.00	23.05 0.23 0.00	22.33 0.24 0.00	23.16 0.25 0.00	24.46 0.36 0.00	31.29 0.61 0.00	43.55 1.35 0.00	54.53 2.10 0.00	55.29 2.18 0.00	47.11 1.81 0.00	40.13 1.32 0.00	36.60 1.17 0.00
REYNOLDS_115KV_TB3 80639	34.74 1.04 0.00	33.24 1.03 0.00	33.43 0.97 0.00	33.18 0.94 0.00	33.94 0.99 0.00	39.60 1.15 0.00	55.22 1.56 0.00	57.22 1.72 0.00	43.18 1.30 0.00	29.90 0.93 0.00	26.81 0.83 0.00	24.54 0.74 0.00	24.10 0.72 0.00	23.51 0.68 0.00	22.79 0.71 0.00	23.66 0.76 0.00	24.97 0.87 0.00	31.81 1.13 0.00	43.60 1.39 0.00	54.00 1.57 0.00	54.65 1.54 0.00	46.57 1.27 0.00	39.86 1.05 0.00	36.35 0.92 0.00
RIVERBAY____ 323610	36.50 2.80 -0.01	34.93 2.71 -0.01	35.03 2.56 -0.01	34.73 2.48 -0.01	35.39 2.44 -0.01	41.41 2.96 -0.01	58.08 4.40 -0.01	60.34 4.83 -0.01	57.93 3.56 -12.48	53.06 2.35 -21.74	51.33 2.18 -23.17	51.36 2.00 -25.56	48.33 1.94 -23.01	48.06 1.89 -23.35	51.34 1.88 -27.37	50.64 1.99 -25.74	51.38 2.22 -25.06	54.96 2.79 -21.50	55.36 3.71 -9.44	61.53 4.46 -4.64	60.95 4.41 -3.43	49.00 3.62 -0.08	44.34 3.14 -2.39	38.13 2.69 -0.01
RIVERSDE_115KV_TB3 55908	34.60 0.91 0.00	33.11 0.90 0.00	33.30 0.84 0.00	33.05 0.81 0.00	33.81 0.86 0.00	39.45 1.00 0.00	55.00 1.34 0.00	57.00 1.50 0.00	42.97 1.09 0.00	29.79 0.81 0.00	26.70 0.73 0.00	24.46 0.67 0.00	24.01 0.63 0.00	23.42 0.59 0.00	22.68 0.60 0.00	23.55 0.64 0.00	24.87 0.77 0.00	31.68 1.01 0.00	43.39 1.18 0.00	53.79 1.36 0.00	54.44 1.33 0.00	46.39 1.09 0.00	39.70 0.89 0.00	36.25 0.81 0.00
ROARING___BROOK_WT_PWR 323790	33.05 -0.64 0.00	31.66 -0.55 0.00	31.97 -0.49 0.00	31.79 -0.45 0.00	32.46 -0.49 0.00	37.83 -0.62 0.00	52.80 -0.86 0.00	54.61 -0.89 0.00	41.26 -0.63 0.00	28.51 -0.46 0.00	25.56 -0.42 0.00	23.42 -0.38 0.00	23.00 -0.37 0.00	22.41 -0.41 0.00	21.65 -0.44 0.00	22.43 -0.48 0.00	23.62 -0.48 0.00	30.12 -0.55 0.00	41.57 -0.63 0.00	51.75 -0.68 0.00	52.37 -0.74 0.00	44.71 -0.59 0.00	38.34 -0.46 0.00	35.04 -0.39 0.00



ROCHESRG_115KV_T4 355643	33.29 -0.40 0.00	31.63 -0.58 0.00	32.13 -0.32 0.00	31.82 -0.42 0.00	32.62 -0.33 0.00	38.02 -0.42 0.00	53.02 -0.64 0.00	54.56 -0.94 0.00	41.30 -0.59 0.00	28.45 -0.52 0.00	25.48 -0.49 0.00	23.51 -0.29 0.00	23.01 -0.37 0.00	22.66 -0.16 0.00	21.96 -0.13 0.00	22.61 -0.30 0.00	23.43 -0.67 0.00	29.63 -1.04 0.00	41.15 -1.06 0.00	51.22 -1.21 0.00	52.10 -1.01 0.00	44.35 -0.95 0.00	38.03 -0.78 0.00	34.90 -0.53 0.00
ROCHESTER_9_IC 23652	33.46 -0.24 0.00	31.79 -0.42 0.00	32.29 -0.16 0.00	31.98 -0.26 0.00	32.78 -0.16 0.00	38.25 -0.19 0.00	53.29 -0.38 0.00	54.89 -0.61 0.00	41.51 -0.38 0.00	28.60 -0.38 0.00	25.59 -0.39 0.00	23.61 -0.19 0.00	23.10 -0.28 0.00	22.78 -0.05 0.00	22.04 -0.04 0.00	22.70 -0.21 0.00	23.52 -0.58 0.00	29.75 -0.92 0.00	41.36 -0.84 0.00	51.54 -0.89 0.00	52.42 -0.69 0.00	44.62 -0.68 0.00	38.27 -0.54 0.00	35.08 -0.35 0.00
ROCKVIEW_13_KV_LD 356306	36.08 2.39 0.00	34.50 2.29 0.00	34.66 2.21 0.00	34.37 2.13 0.00	35.02 2.08 0.00	41.06 2.61 0.00	57.47 3.81 0.00	59.72 4.22 0.00	45.07 3.18 0.00	31.09 2.12 0.00	27.98 2.00 0.00	25.61 1.81 0.00	25.13 1.75 0.00	24.53 1.71 0.00	23.79 1.70 0.00	24.72 1.81 0.00	26.10 2.00 0.00	33.25 2.58 0.00	45.62 3.42 0.00	56.57 4.14 0.00	57.15 4.04 0.00	48.56 3.26 0.00	41.56 2.76 0.00	37.77 2.34 0.00
ROME____115KV_TB2 80656	34.80 1.11 0.00	33.24 1.03 0.00	33.52 1.07 0.00	33.31 1.06 0.00	34.07 1.12 0.00	39.91 1.46 0.00	56.24 2.58 0.00	57.94 2.44 0.00	43.39 1.51 0.00	29.73 0.75 0.00	26.44 0.47 0.00	24.16 0.36 0.00	23.73 0.35 0.00	23.05 0.23 0.00	22.33 0.24 0.00	23.16 0.25 0.00	24.46 0.36 0.00	31.29 0.61 0.00	43.55 1.35 0.00	54.53 2.10 0.00	55.29 2.18 0.00	47.11 1.81 0.00	40.13 1.32 0.00	36.60 1.17 0.00
ROSETON___1 23587	35.41 1.72 0.00	33.89 1.67 0.00	34.04 1.59 0.00	33.79 1.55 0.00	34.53 1.58 0.00	40.33 1.88 0.00	56.34 2.68 0.00	58.50 3.00 0.00	44.19 2.30 0.00	30.48 1.51 0.00	27.43 1.45 0.00	25.11 1.31 0.00	24.66 1.29 0.00	24.08 1.25 0.00	23.35 1.26 0.00	24.26 1.35 0.00	25.57 1.47 0.00	32.57 1.90 0.00	44.65 2.45 0.00	55.36 2.93 0.00	55.93 2.81 0.00	47.52 2.22 0.00	40.75 1.94 0.00	37.13 1.70 0.00
ROSETON___2 23588	35.41 1.72 0.00	33.89 1.67 0.00	34.04 1.59 0.00	33.79 1.55 0.00	34.53 1.58 0.00	40.33 1.88 0.00	56.34 2.68 0.00	58.50 3.00 0.00	44.19 2.30 0.00	30.48 1.51 0.00	27.43 1.45 0.00	25.11 1.31 0.00	24.66 1.29 0.00	24.08 1.25 0.00	23.35 1.26 0.00	24.26 1.35 0.00	25.57 1.47 0.00	32.57 1.90 0.00	44.65 2.45 0.00	55.36 2.93 0.00	55.93 2.81 0.00	47.52 2.22 0.00	40.75 1.94 0.00	37.13 1.70 0.00
ROTTORDAM_115KV_TB3 80664	34.77 1.08 0.00	33.24 1.03 0.00	33.46 1.01 0.00	33.21 0.97 0.00	33.90 0.96 0.00	39.64 1.19 0.00	55.43 1.77 0.00	57.33 1.83 0.00	43.14 1.26 0.00	29.76 0.78 0.00	26.68 0.70 0.00	24.39 0.59 0.00	23.96 0.58 0.00	23.37 0.55 0.00	22.64 0.55 0.00	23.48 0.57 0.00	24.78 0.67 0.00	31.65 0.98 0.00	43.60 1.39 0.00	54.16 1.73 0.00	54.92 1.81 0.00	46.80 1.49 0.00	40.01 1.20 0.00	36.46 1.03 0.00
RUSSELL___1 23602	33.59 -0.10 0.00	31.92 -0.29 0.00	32.42 -0.03 0.00	32.11 -0.13 0.00	32.88 -0.07 0.00	38.41 -0.04 0.00	53.56 -0.11 0.00	55.17 -0.33 0.00	41.72 -0.17 0.00	28.71 -0.26 0.00	25.69 -0.29 0.00	23.70 -0.10 0.00	23.19 -0.19 0.00	22.87 0.05 0.00	22.13 0.04 0.00	22.79 -0.11 0.00	23.59 -0.51 0.00	29.84 -0.83 0.00	41.53 -0.68 0.00	51.80 -0.63 0.00	52.74 -0.37 0.00	44.85 -0.45 0.00	38.42 -0.39 0.00	35.22 -0.21 0.00
RUSSELL___2 23532	33.59 -0.10 0.00	31.92 -0.29 0.00	32.42 -0.03 0.00	32.11 -0.13 0.00	32.88 -0.07 0.00	38.41 -0.04 0.00	53.56 -0.11 0.00	55.17 -0.33 0.00	41.72 -0.17 0.00	28.71 -0.26 0.00	25.69 -0.29 0.00	23.70 -0.10 0.00	23.19 -0.19 0.00	22.87 0.05 0.00	22.13 0.04 0.00	22.79 -0.11 0.00	23.59 -0.51 0.00	29.84 -0.83 0.00	41.53 -0.68 0.00	51.80 -0.63 0.00	52.74 -0.37 0.00	44.85 -0.45 0.00	38.42 -0.39 0.00	35.22 -0.21 0.00
RUSSELL___3 23549	33.59 -0.10 0.00	31.92 -0.29 0.00	32.42 -0.03 0.00	32.11 -0.13 0.00	32.88 -0.07 0.00	38.41 -0.04 0.00	53.56 -0.11 0.00	55.17 -0.33 0.00	41.72 -0.17 0.00	28.71 -0.26 0.00	25.69 -0.29 0.00	23.70 -0.10 0.00	23.19 -0.19 0.00	22.87 0.05 0.00	22.13 0.04 0.00	22.79 -0.11 0.00	23.59 -0.51 0.00	29.84 -0.83 0.00	41.53 -0.68 0.00	51.80 -0.63 0.00	52.74 -0.37 0.00	44.85 -0.45 0.00	38.42 -0.39 0.00	35.22 -0.21 0.00
RUSSELL___4 23556	33.59 -0.10 0.00	31.92 -0.29 0.00	32.42 -0.03 0.00	32.11 -0.13 0.00	32.88 -0.07 0.00	38.41 -0.04 0.00	53.56 -0.11 0.00	55.17 -0.33 0.00	41.72 -0.17 0.00	28.71 -0.26 0.00	25.69 -0.29 0.00	23.70 -0.10 0.00	23.19 -0.19 0.00	22.87 0.05 0.00	22.13 0.04 0.00	22.79 -0.11 0.00	23.59 -0.51 0.00	29.84 -0.83 0.00	41.53 -0.68 0.00	51.80 -0.63 0.00	52.74 -0.37 0.00	44.85 -0.45 0.00	38.42 -0.39 0.00	35.22 -0.21 0.00
RUSSELL___STATION 23914	33.59 -0.10 0.00	31.92 -0.29 0.00	32.42 -0.03 0.00	32.11 -0.13 0.00	32.88 -0.07 0.00	38.41 -0.04 0.00	53.56 -0.11 0.00	55.17 -0.33 0.00	41.72 -0.17 0.00	28.71 -0.26 0.00	25.69 -0.29 0.00	23.70 -0.10 0.00	23.19 -0.19 0.00	22.87 0.05 0.00	22.13 0.04 0.00	22.79 -0.11 0.00	23.59 -0.51 0.00	29.84 -0.83 0.00	41.53 -0.68 0.00	51.80 -0.63 0.00	52.74 -0.37 0.00	44.85 -0.45 0.00	38.42 -0.39 0.00	35.22 -0.21 0.00
S SALMON___HYD 24043	33.25 -0.44 0.00	31.79 -0.42 0.00	32.03 -0.42 0.00	31.82 -0.42 0.00	32.55 -0.39 0.00	38.06 -0.38 0.00	53.40 -0.27 0.00	55.06 -0.45 0.00	41.26 -0.63 0.00	28.45 -0.52 0.00	25.46 -0.52 0.00	23.27 -0.52 0.00	22.87 -0.51 0.00	22.30 -0.52 0.00	21.56 -0.53 0.00	22.34 -0.57 0.00	23.45 -0.65 0.00	29.87 -0.80 0.00	41.40 -0.80 0.00	51.75 -0.68 0.00	52.48 -0.63 0.00	44.71 -0.59 0.00	38.23 -0.58 0.00	34.90 -0.53 0.00
S.PERRY__115KV_TB1 80734	34.50 0.81 0.00	32.76 0.55 0.00	33.33 0.88 0.00	33.08 0.84 0.00	33.94 0.99 0.00	39.72 1.27 0.00	55.59 1.93 0.00	56.83 1.33 0.00	42.43 0.54 0.00	28.89 -0.09 0.00	25.66 -0.31 0.00	23.66 -0.14 0.00	23.15 -0.23 0.00	22.82 0.00 0.00	22.09 0.00 0.00	22.77 -0.14 0.00	23.59 -0.51 0.00	30.09 -0.58 0.00	42.42 0.21 0.00	53.48 1.05 0.00	54.55 1.43 0.00	46.30 1.00 0.00	39.62 0.81 0.00	36.35 0.92 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	33.02 -0.67 0.00	31.25 -0.97 0.00	32.10 -0.36 0.00	31.66 -0.58 0.00	32.55 -0.40 0.00	37.83 -0.62 0.00	52.48 -1.18 0.00	53.45 -2.05 0.00	40.67 -1.21 0.00	27.90 -1.07 0.00	24.99 -0.99 0.00	23.30 -0.50 0.00	22.65 -0.72 0.00	22.53 -0.30 0.00	21.87 -0.22 0.00	22.45 -0.46 0.00	23.04 -1.06 0.00	28.89 -1.78 0.00	40.26 -1.94 0.00	49.96 -2.46 0.00	50.83 -2.28 0.00	43.49 -1.81 0.00	37.37 -1.44 0.00	34.79 -0.64 0.00



SAWYER___23_KV_LOAD 55526	33.02 -0.67 0.00	31.25 -0.97 0.00	32.10 -0.36 0.00	31.66 -0.58 0.00	32.55 -0.40 0.00	37.83 -0.62 0.00	52.48 -1.18 0.00	53.45 -2.05 0.00	40.67 -1.21 0.00	27.90 -1.07 0.00	24.99 -0.99 0.00	23.30 -0.50 0.00	22.65 -0.72 0.00	22.53 -0.30 0.00	21.87 -0.22 0.00	22.45 -0.46 0.00	23.04 -1.06 0.00	28.89 -1.78 0.00	40.26 -1.94 0.00	49.96 -2.46 0.00	50.83 -2.28 0.00	43.49 -1.81 0.00	37.37 -1.44 0.00	34.79 -0.64 0.00
SELKIRK___I 23801	34.67 0.98 0.00	33.18 0.97 0.00	33.39 0.94 0.00	33.14 0.90 0.00	33.87 0.92 0.00	39.56 1.12 0.00	55.11 1.45 0.00	56.94 1.44 0.00	42.89 1.00 0.00	29.58 0.61 0.00	26.50 0.52 0.00	24.23 0.43 0.00	23.78 0.40 0.00	23.19 0.36 0.00	22.46 0.38 0.00	23.32 0.41 0.00	24.63 0.53 0.00	31.44 0.77 0.00	43.26 1.06 0.00	53.79 1.36 0.00	54.49 1.38 0.00	46.48 1.18 0.00	39.78 0.97 0.00	36.32 0.89 0.00
SELKIRK___II 23799	34.54 0.84 0.00	33.02 0.81 0.00	33.23 0.78 0.00	32.98 0.74 0.00	33.74 0.79 0.00	39.37 0.92 0.00	54.84 1.18 0.00	56.83 1.33 0.00	42.89 1.00 0.00	29.70 0.72 0.00	26.63 0.65 0.00	24.39 0.60 0.00	23.94 0.56 0.00	23.37 0.55 0.00	22.64 0.55 0.00	23.50 0.59 0.00	24.77 0.67 0.00	31.59 0.92 0.00	43.30 1.10 0.00	53.64 1.21 0.00	54.34 1.22 0.00	46.30 1.00 0.00	39.63 0.82 0.00	36.18 0.75 0.00
SENECA OSWGO___HYD 24041	33.12 -0.57 0.00	31.66 -0.55 0.00	31.90 -0.55 0.00	31.69 -0.55 0.00	32.39 -0.56 0.00	37.79 -0.65 0.00	52.91 -0.75 0.00	54.67 -0.83 0.00	41.17 -0.71 0.00	28.54 -0.43 0.00	25.53 -0.44 0.00	23.39 -0.40 0.00	22.98 -0.40 0.00	22.46 -0.37 0.00	21.71 -0.38 0.00	22.50 -0.41 0.00	23.62 -0.48 0.00	29.97 -0.70 0.00	41.32 -0.89 0.00	51.43 -1.00 0.00	52.10 -1.01 0.00	44.40 -0.91 0.00	37.95 -0.85 0.00	34.62 -0.81 0.00
SENECA___115KV_TB3 355854	33.39 -0.30 0.00	31.63 -0.58 0.00	32.48 0.03 0.00	32.08 -0.16 0.00	33.01 0.07 0.00	38.37 -0.08 0.00	53.34 -0.32 0.00	54.17 -1.33 0.00	41.21 -0.67 0.00	28.19 -0.78 0.00	25.25 -0.73 0.00	23.54 -0.26 0.00	22.87 -0.51 0.00	22.73 -0.09 0.00	22.04 -0.04 0.00	22.63 -0.27 0.00	23.23 -0.87 0.00	29.20 -1.47 0.00	40.77 -1.43 0.00	50.65 -1.78 0.00	51.52 -1.59 0.00	44.08 -1.22 0.00	37.84 -0.97 0.00	35.25 -0.18 0.00
SENECA___ENERGY 23797	33.76 0.07 0.00	32.18 -0.03 0.00	32.52 0.07 0.00	32.27 0.03 0.00	33.05 0.10 0.00	38.68 0.23 0.00	54.14 0.48 0.00	55.72 0.22 0.00	42.01 0.13 0.00	28.89 -0.09 0.00	25.77 -0.21 0.00	23.68 -0.12 0.00	23.22 -0.16 0.00	22.75 -0.07 0.00	22.00 -0.09 0.00	22.75 -0.16 0.00	23.79 -0.31 0.00	30.24 -0.43 0.00	41.95 -0.25 0.00	52.27 -0.16 0.00	53.01 -0.11 0.00	45.21 -0.09 0.00	38.69 -0.12 0.00	35.33 -0.11 0.00
SHOEMAKER___GT 23640	35.14 1.45 0.00	33.63 1.42 0.00	33.78 1.33 0.00	33.56 1.32 0.00	34.30 1.35 0.00	40.06 1.61 0.00	56.02 2.36 0.00	58.00 2.50 0.00	43.81 1.93 0.00	30.22 1.25 0.00	27.15 1.17 0.00	24.84 1.05 0.00	24.41 1.03 0.00	23.85 1.03 0.00	23.13 1.04 0.00	24.01 1.10 0.00	25.28 1.18 0.00	32.24 1.56 0.00	44.27 2.07 0.00	54.89 2.46 0.00	55.51 2.39 0.00	47.16 1.86 0.00	40.48 1.67 0.00	36.88 1.45 0.00
SHOEMAKR_138KV_BK 111 55601	35.14 1.45 0.00	33.63 1.42 0.00	33.78 1.33 0.00	33.56 1.32 0.00	34.27 1.32 0.00	40.06 1.61 0.00	56.02 2.36 0.00	58.06 2.55 0.00	43.81 1.93 0.00	30.25 1.27 0.00	27.15 1.17 0.00	24.89 1.09 0.00	24.43 1.05 0.00	23.85 1.03 0.00	23.15 1.06 0.00	24.03 1.12 0.00	25.31 1.21 0.00	32.24 1.56 0.00	44.27 2.07 0.00	54.89 2.46 0.00	55.50 2.39 0.00	47.20 1.90 0.00	40.48 1.67 0.00	36.88 1.45 0.00
SHOREHAM_IC_1 23715	35.24 1.55 0.00	33.89 1.67 0.00	33.95 1.49 0.00	33.76 1.52 0.00	34.50 1.55 0.00	40.10 1.65 0.00	55.43 1.77 0.00	57.83 2.33 0.00	45.23 2.76 -0.58	31.76 1.77 -1.02	28.83 1.77 -1.09	26.79 1.79 -1.20	26.19 1.73 -1.08	25.61 1.69 -1.10	25.05 1.68 -1.29	26.09 1.97 -1.21	27.33 2.05 -1.18	34.29 2.61 -1.01	45.68 3.04 -0.44	56.62 3.98 -0.21	57.09 3.83 -0.15	48.24 2.94 0.00	41.36 2.45 -0.10	36.71 1.27 0.00
SHOREHAM_IC_2 23716	35.24 1.55 0.00	33.89 1.67 0.00	33.95 1.49 0.00	33.76 1.52 0.00	34.50 1.55 0.00	40.10 1.65 0.00	55.43 1.77 0.00	57.83 2.33 0.00	45.23 2.76 -0.58	31.76 1.77 -1.02	28.83 1.77 -1.09	26.79 1.79 -1.20	26.19 1.73 -1.08	25.61 1.69 -1.10	25.05 1.68 -1.29	26.09 1.97 -1.21	27.33 2.05 -1.18	34.29 2.61 -1.01	45.68 3.04 -0.44	56.62 3.98 -0.21	57.09 3.83 -0.15	48.24 2.94 0.00	41.36 2.45 -0.10	36.71 1.27 0.00
SISSONVILLE____ 23735	38.89 -1.31 -6.51	36.12 -1.19 -5.10	31.32 -1.14 0.00	31.21 -1.03 0.00	31.83 -1.12 0.00	37.06 -1.38 0.00	51.46 -2.20 0.00	53.12 -2.39 0.00	40.12 -1.76 0.00	27.61 -1.36 0.00	24.70 -1.27 0.00	22.56 -1.24 0.00	22.26 -1.12 0.00	21.61 -1.21 0.00	20.87 -1.21 0.00	21.65 -1.26 0.00	22.87 -1.23 0.00	29.26 -1.41 0.00	40.60 -1.60 0.00	50.49 -1.94 0.00	51.31 -1.81 0.00	44.17 -1.13 0.00	37.88 -0.93 0.00	34.58 -0.85 0.00
SITHE_IND_GS1 24169	32.75 -0.94 0.00	31.31 -0.90 0.00	31.58 -0.87 0.00	31.34 -0.90 0.00	32.03 -0.92 0.00	37.37 -1.08 0.00	52.22 -1.45 0.00	53.95 -1.55 0.00	40.71 -1.17 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.25 -0.55 0.00	22.84 -0.54 0.00	22.32 -0.50 0.00	21.60 -0.49 0.00	22.38 -0.53 0.00	23.50 -0.60 0.00	29.75 -0.92 0.00	40.90 -1.31 0.00	50.86 -1.57 0.00	51.52 -1.59 0.00	43.90 -1.40 0.00	37.61 -1.20 0.00	34.33 -1.10 0.00
SITHE_IND_GS2 24170	32.75 -0.94 0.00	31.31 -0.90 0.00	31.58 -0.87 0.00	31.34 -0.90 0.00	32.03 -0.92 0.00	37.37 -1.08 0.00	52.22 -1.45 0.00	53.95 -1.55 0.00	40.71 -1.17 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.25 -0.55 0.00	22.84 -0.54 0.00	22.32 -0.50 0.00	21.60 -0.49 0.00	22.38 -0.53 0.00	23.50 -0.60 0.00	29.75 -0.92 0.00	40.90 -1.31 0.00	50.86 -1.57 0.00	51.52 -1.59 0.00	43.90 -1.40 0.00	37.61 -1.20 0.00	34.33 -1.10 0.00
SITHE_IND_GS3 24171	32.75 -0.94 0.00	31.31 -0.90 0.00	31.58 -0.87 0.00	31.34 -0.90 0.00	32.03 -0.92 0.00	37.37 -1.08 0.00	52.22 -1.45 0.00	53.95 -1.55 0.00	40.71 -1.17 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.25 -0.55 0.00	22.84 -0.54 0.00	22.32 -0.50 0.00	21.60 -0.49 0.00	22.38 -0.53 0.00	23.50 -0.60 0.00	29.75 -0.92 0.00	40.90 -1.31 0.00	50.86 -1.57 0.00	51.52 -1.59 0.00	43.90 -1.40 0.00	37.61 -1.20 0.00	34.33 -1.10 0.00
SITHE_IND_GS4 24172	32.75 -0.94 0.00	31.31 -0.90 0.00	31.58 -0.87 0.00	31.34 -0.90 0.00	32.03 -0.92 0.00	37.37 -1.08 0.00	52.22 -1.45 0.00	53.95 -1.55 0.00	40.71 -1.17 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.25 -0.55 0.00	22.84 -0.54 0.00	22.32 -0.50 0.00	21.60 -0.49 0.00	22.38 -0.53 0.00	23.50 -0.60 0.00	29.75 -0.92 0.00	40.90 -1.31 0.00	50.86 -1.57 0.00	51.52 -1.59 0.00	43.90 -1.40 0.00	37.61 -1.20 0.00	34.33 -1.10 0.00



SITHE___BATAVIA 24024	33.63 -0.07 0.00	31.86 -0.35 0.00	32.58 0.13 0.00	32.08 -0.16 0.00	32.88 -0.07 0.00	38.56 0.12 0.00	53.72 0.05 0.00	54.89 -0.61 0.00	41.51 -0.38 0.00	28.40 -0.58 0.00	25.40 -0.57 0.00	23.56 -0.24 0.00	22.96 -0.42 0.00	22.80 -0.02 0.00	22.09 0.00 0.00	22.66 -0.25 0.00	23.35 -0.75 0.00	29.32 -1.35 0.00	41.07 -1.14 0.00	51.22 -1.20 0.00	52.21 -0.90 0.00	44.58 -0.73 0.00	38.30 -0.51 0.00	35.15 -0.28 0.00
SITHE___INDEPEND 23800	32.75 -0.94 0.00	31.31 -0.90 0.00	31.58 -0.88 0.00	31.34 -0.90 0.00	32.06 -0.89 0.00	37.37 -1.08 0.00	52.21 -1.45 0.00	53.95 -1.55 0.00	40.75 -1.13 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.25 -0.55 0.00	22.84 -0.54 0.00	22.32 -0.50 0.00	21.60 -0.49 0.00	22.38 -0.53 0.00	23.47 -0.63 0.00	29.75 -0.92 0.00	40.90 -1.31 0.00	50.86 -1.57 0.00	51.52 -1.59 0.00	43.90 -1.40 0.00	37.61 -1.20 0.00	34.33 -1.10 0.00
SITHE___MASSENA 23902	34.82 -0.40 -1.53	33.06 -0.35 -1.20	32.16 -0.29 0.00	32.05 -0.19 0.00	32.68 -0.26 0.00	37.99 -0.46 0.00	52.64 -1.02 0.00	54.39 -1.11 0.00	41.17 -0.71 0.00	28.45 -0.52 0.00	25.48 -0.49 0.00	23.32 -0.48 0.00	22.98 -0.40 0.00	22.37 -0.46 0.00	21.60 -0.49 0.00	22.40 -0.50 0.00	23.62 -0.48 0.00	30.12 -0.55 0.00	41.61 -0.59 0.00	51.64 -0.78 0.00	52.42 -0.69 0.00	45.12 -0.18 0.00	38.73 -0.08 0.00	35.40 -0.04 0.00
SITHE___OGDNSBRG 24021	38.00 -0.27 -4.58	35.57 -0.23 -3.58	32.29 -0.16 0.00	32.18 -0.06 0.00	32.85 -0.10 0.00	38.25 -0.19 0.00	53.18 -0.48 0.00	54.78 -0.72 0.00	41.21 -0.67 0.00	28.28 -0.70 0.00	25.27 -0.70 0.00	23.08 -0.71 0.00	22.75 -0.63 0.00	22.11 -0.71 0.00	21.36 -0.73 0.00	22.17 -0.73 0.00	23.40 -0.70 0.00	30.00 -0.67 0.00	41.70 -0.51 0.00	52.01 -0.42 0.00	52.85 -0.27 0.00	45.48 0.18 0.00	38.96 0.16 0.00	35.61 0.18 0.00
SITHE___STERLING 23777	34.63 0.94 0.00	33.08 0.87 0.00	33.33 0.88 0.00	33.11 0.87 0.00	33.87 0.92 0.00	39.64 1.19 0.00	55.75 2.09 0.00	57.50 2.00 0.00	43.14 1.26 0.00	29.61 0.64 0.00	26.39 0.41 0.00	24.13 0.33 0.00	23.68 0.30 0.00	23.07 0.25 0.00	22.33 0.24 0.00	23.16 0.25 0.00	24.41 0.31 0.00	31.19 0.52 0.00	43.26 1.06 0.00	54.11 1.68 0.00	54.81 1.70 0.00	46.71 1.41 0.00	39.86 1.05 0.00	36.32 0.89 0.00
SLEIGHT__34_KV_TB1 80719	33.46 -0.24 0.00	31.83 -0.39 0.00	32.23 -0.23 0.00	31.98 -0.26 0.00	32.75 -0.20 0.00	38.25 -0.19 0.00	53.50 -0.16 0.00	55.17 -0.33 0.00	41.59 -0.29 0.00	28.66 -0.32 0.00	25.56 -0.42 0.00	23.51 -0.29 0.00	23.05 -0.33 0.00	22.64 -0.18 0.00	21.89 -0.20 0.00	22.59 -0.32 0.00	23.50 -0.60 0.00	29.84 -0.83 0.00	41.44 -0.76 0.00	51.69 -0.73 0.00	52.53 -0.58 0.00	44.67 -0.63 0.00	38.23 -0.58 0.00	34.97 -0.46 0.00
SOUTH CAIRO___GT 23612	35.24 1.55 0.00	33.79 1.58 0.00	33.98 1.53 0.00	33.76 1.52 0.00	34.56 1.61 0.00	40.37 1.92 0.00	56.72 3.06 0.00	58.28 2.78 0.00	43.64 1.76 0.00	30.25 1.27 0.00	26.91 0.94 0.00	24.46 0.67 0.00	23.96 0.58 0.00	23.37 0.55 0.00	22.66 0.57 0.00	23.57 0.66 0.00	24.99 0.89 0.00	32.02 1.35 0.00	44.61 2.41 0.00	54.89 2.46 0.00	55.77 2.66 0.00	47.34 2.04 0.00	40.52 1.71 0.00	37.03 1.59 0.00
SOUTH HAMPTN___IC 23720	35.41 1.72 0.00	33.98 1.77 0.00	34.07 1.62 0.00	33.89 1.64 0.00	34.60 1.65 0.00	40.29 1.85 0.00	55.75 2.09 0.00	58.16 2.66 0.00	45.48 3.02 -0.58	31.90 1.91 -1.02	28.88 1.82 -1.09	26.80 1.81 -1.20	26.19 1.73 -1.08	25.58 1.67 -1.09	25.03 1.66 -1.28	26.04 1.92 -1.21	27.32 2.05 -1.17	34.32 2.64 -1.01	45.81 3.17 -0.44	56.78 4.14 -0.21	57.30 4.03 -0.15	48.42 3.12 0.00	41.47 2.56 -0.10	36.92 1.49 0.00
SOUTHDOW_115KV_TB1 355954	34.84 1.15 0.00	33.15 0.93 0.00	34.08 1.62 0.00	33.76 1.52 0.00	34.79 1.85 0.00	40.52 2.08 0.00	56.77 3.11 0.00	57.61 2.11 0.00	43.81 1.93 0.00	29.73 0.75 0.00	26.55 0.57 0.00	24.63 0.83 0.00	23.92 0.54 0.00	23.71 0.89 0.00	22.97 0.88 0.00	23.55 0.64 0.00	24.29 0.19 0.00	30.70 0.03 0.00	43.05 0.84 0.00	53.53 1.10 0.00	54.39 1.27 0.00	46.39 1.09 0.00	39.58 0.78 0.00	36.78 1.35 0.00
SOUTHOLD_69_KV_BK 2 55809	35.28 1.58 0.00	33.89 1.68 0.00	33.95 1.49 0.00	33.37 1.13 0.00	34.04 1.09 0.00	40.18 1.73 0.00	55.70 2.04 0.00	58.11 2.61 0.00	45.35 2.89 -0.58	31.85 1.85 -1.02	28.70 1.64 -1.09	26.64 1.64 -1.20	26.00 1.54 -1.08	25.35 1.44 -1.09	24.81 1.44 -1.28	25.81 1.70 -1.21	27.11 1.83 -1.17	34.10 2.42 -1.01	45.51 2.87 -0.44	56.36 3.72 -0.21	56.93 3.66 -0.15	48.29 2.99 0.00	41.28 2.37 -0.10	36.74 1.31 0.00
SOUTHOLD___IC 23719	35.28 1.58 0.00	33.89 1.67 0.00	33.95 1.49 0.00	33.76 1.52 0.00	34.50 1.55 0.00	40.22 1.77 0.00	55.75 2.09 0.00	58.16 2.66 0.00	45.44 2.97 -0.58	31.85 1.86 -1.02	28.70 1.64 -1.09	26.64 1.64 -1.20	26.00 1.54 -1.08	25.36 1.44 -1.09	24.81 1.43 -1.28	25.81 1.70 -1.21	27.11 1.83 -1.17	34.10 2.42 -1.01	45.51 2.87 -0.44	56.52 3.88 -0.21	57.04 3.77 -0.15	48.24 2.94 0.00	41.28 2.37 -0.10	36.85 1.42 0.00
SOUTH_FORK_WT_PWR 323839	34.90 1.21 0.00	33.53 1.32 0.00	33.59 1.14 0.00	33.40 1.16 0.00	34.13 1.18 0.00	39.79 1.34 0.00	55.16 1.50 0.00	57.61 2.11 0.00	45.02 2.56 -0.58	31.59 1.59 -1.02	28.39 1.32 -1.09	26.33 1.33 -1.20	25.67 1.21 -1.08	25.03 1.12 -1.09	24.48 1.10 -1.28	25.47 1.35 -1.21	26.77 1.49 -1.17	33.67 1.99 -1.01	44.83 2.19 -0.44	55.73 3.09 -0.21	56.29 3.03 -0.15	47.61 2.31 0.00	40.74 1.82 -0.10	36.49 1.06 0.00
SPIERFLS_115KV_TB 1 80737	35.51 1.82 0.00	33.92 1.71 0.00	34.14 1.69 0.00	33.89 1.64 0.00	34.89 1.94 0.00	40.98 2.54 0.00	57.74 4.08 0.00	59.66 4.16 0.00	44.65 2.76 0.00	30.54 1.56 0.00	27.15 1.17 0.00	24.75 0.95 0.00	24.29 0.91 0.00	23.62 0.80 0.00	22.82 0.73 0.00	23.73 0.82 0.00	25.16 1.06 0.00	32.08 1.41 0.00	44.53 2.32 0.00	55.52 3.09 0.00	56.62 3.51 0.00	48.16 2.85 0.00	40.98 2.17 0.00	37.34 1.91 0.00
ST LAWRENCE____ 23600	32.98 -0.71 0.00	31.57 -0.64 0.00	31.83 -0.62 0.00	31.69 -0.55 0.00	32.36 -0.59 0.00	37.68 -0.77 0.00	52.43 -1.23 0.00	54.17 -1.33 0.00	40.88 -1.01 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.20 -0.59 0.00	22.84 -0.54 0.00	22.27 -0.55 0.00	21.51 -0.57 0.00	22.31 -0.60 0.00	23.50 -0.60 0.00	29.97 -0.70 0.00	41.32 -0.89 0.00	51.43 -1.00 0.00	52.16 -0.95 0.00	44.67 -0.63 0.00	38.34 -0.46 0.00	35.08 -0.35 0.00
STATE_CA_115KV_115_LB 55624	34.57 0.88 0.00	33.08 0.87 0.00	33.26 0.81 0.00	33.02 0.77 0.00	33.77 0.82 0.00	39.41 0.96 0.00	54.95 1.29 0.00	56.94 1.44 0.00	42.97 1.09 0.00	29.76 0.78 0.00	26.68 0.70 0.00	24.42 0.62 0.00	23.99 0.61 0.00	23.39 0.57 0.00	22.66 0.57 0.00	23.53 0.62 0.00	24.85 0.75 0.00	31.62 0.95 0.00	43.34 1.14 0.00	53.74 1.31 0.00	54.44 1.33 0.00	46.39 1.09 0.00	39.66 0.85 0.00	36.21 0.78 0.00



STATE_ST_34_KV_LOAD 55959	33.93 0.24 0.00	32.37 0.16 0.00	32.61 0.16 0.00	32.44 0.19 0.00	33.18 0.23 0.00	38.75 0.31 0.00	54.25 0.59 0.00	55.95 0.44 0.00	42.14 0.25 0.00	29.06 0.09 0.00	25.95 -0.03 0.00	23.80 0.00 0.00	23.36 -0.02 0.00	22.87 0.05 0.00	22.09 0.00 0.00	22.88 -0.02 0.00	23.98 -0.12 0.00	30.52 -0.15 0.00	42.25 0.04 0.00	52.64 0.21 0.00	53.38 0.27 0.00	45.44 0.14 0.00	38.85 0.04 0.00	35.47 0.04 0.00
STATION 5_MISC_HYD 23604	33.46 -0.23 0.00	31.79 -0.42 0.00	32.29 -0.16 0.00	31.92 -0.32 0.00	32.65 -0.30 0.00	38.26 -0.19 0.00	53.34 -0.32 0.00	54.89 -0.61 0.00	41.51 -0.38 0.00	28.60 -0.38 0.00	25.59 -0.39 0.00	23.61 -0.19 0.00	23.10 -0.28 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.72 -0.18 0.00	23.57 -0.53 0.00	29.75 -0.92 0.00	41.36 -0.84 0.00	51.49 -0.94 0.00	52.37 -0.74 0.00	44.62 -0.68 0.00	38.27 -0.54 0.00	34.97 -0.46 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	33.66 -0.03 0.00	32.02 -0.19 0.00	32.45 0.00 0.00	32.21 -0.03 0.00	32.98 0.03 0.00	38.52 0.08 0.00	53.82 0.16 0.00	55.45 -0.06 0.00	41.84 -0.04 0.00	28.77 -0.20 0.00	25.69 -0.29 0.00	23.63 -0.17 0.00	23.17 -0.21 0.00	22.78 -0.05 0.00	22.02 -0.07 0.00	22.72 -0.18 0.00	23.62 -0.48 0.00	29.97 -0.71 0.00	41.70 -0.51 0.00	52.01 -0.42 0.00	52.85 -0.27 0.00	44.98 -0.32 0.00	38.50 -0.31 0.00	35.25 -0.18 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	33.29 -0.40 0.00	31.63 -0.58 0.00	32.10 -0.36 0.00	31.82 -0.42 0.00	32.59 -0.36 0.00	38.02 -0.42 0.00	53.02 -0.64 0.00	54.67 -0.83 0.00	41.34 -0.54 0.00	28.48 -0.49 0.00	25.48 -0.49 0.00	23.49 -0.31 0.00	22.98 -0.40 0.00	22.66 -0.16 0.00	21.93 -0.15 0.00	22.59 -0.32 0.00	23.40 -0.70 0.00	29.63 -1.04 0.00	41.19 -1.01 0.00	51.33 -1.10 0.00	52.21 -0.90 0.00	44.40 -0.91 0.00	38.07 -0.74 0.00	34.86 -0.57 0.00
STA_56___34_KV_BUS2 355983	33.29 -0.40 0.00	31.63 -0.58 0.00	32.10 -0.36 0.00	31.82 -0.42 0.00	32.59 -0.36 0.00	38.02 -0.42 0.00	53.02 -0.64 0.00	54.67 -0.83 0.00	41.34 -0.54 0.00	28.48 -0.49 0.00	25.48 -0.49 0.00	23.49 -0.31 0.00	22.98 -0.40 0.00	22.66 -0.16 0.00	21.93 -0.15 0.00	22.59 -0.32 0.00	23.40 -0.70 0.00	29.63 -1.04 0.00	41.19 -1.01 0.00	51.33 -1.10 0.00	52.21 -0.90 0.00	44.40 -0.91 0.00	38.07 -0.74 0.00	34.86 -0.57 0.00
STA_67___115KV_BK2 355882	33.42 -0.27 0.00	31.73 -0.48 0.00	32.23 -0.23 0.00	31.95 -0.29 0.00	32.72 -0.23 0.00	38.18 -0.27 0.00	53.18 -0.48 0.00	54.78 -0.72 0.00	41.42 -0.46 0.00	28.54 -0.43 0.00	25.53 -0.44 0.00	23.56 -0.24 0.00	23.05 -0.33 0.00	22.73 -0.09 0.00	22.00 -0.09 0.00	22.68 -0.23 0.00	23.47 -0.63 0.00	29.69 -0.98 0.00	41.28 -0.93 0.00	51.43 -1.00 0.00	52.32 -0.80 0.00	44.53 -0.77 0.00	38.15 -0.66 0.00	35.01 -0.43 0.00
STA_7___115KV_9TRANS 80674	33.59 -0.10 0.00	31.92 -0.29 0.00	32.42 -0.03 0.00	32.11 -0.13 0.00	32.88 -0.07 0.00	38.41 -0.04 0.00	53.56 -0.11 0.00	55.17 -0.33 0.00	41.72 -0.17 0.00	28.71 -0.26 0.00	25.69 -0.29 0.00	23.70 -0.10 0.00	23.19 -0.19 0.00	22.87 0.05 0.00	22.13 0.04 0.00	22.79 -0.11 0.00	23.59 -0.51 0.00	29.84 -0.83 0.00	41.53 -0.68 0.00	51.80 -0.63 0.00	52.74 -0.37 0.00	44.85 -0.45 0.00	38.42 -0.39 0.00	35.22 -0.21 0.00
STA_82___115KV_TB1 80780	33.42 -0.27 0.00	31.73 -0.48 0.00	32.23 -0.23 0.00	31.95 -0.29 0.00	32.72 -0.23 0.00	38.18 -0.27 0.00	53.23 -0.43 0.00	54.78 -0.72 0.00	41.42 -0.46 0.00	28.54 -0.43 0.00	25.53 -0.44 0.00	23.56 -0.24 0.00	23.05 -0.33 0.00	22.73 -0.09 0.00	22.00 -0.09 0.00	22.68 -0.23 0.00	23.47 -0.63 0.00	29.69 -0.98 0.00	41.28 -0.93 0.00	51.43 -1.00 0.00	52.32 -0.80 0.00	44.53 -0.77 0.00	38.19 -0.62 0.00	35.01 -0.43 0.00
STEEL___WIND 323596	33.32 -0.37 0.00	31.60 -0.61 0.00	32.45 0.00 0.00	31.89 -0.35 0.00	32.78 -0.16 0.00	38.33 -0.11 0.00	53.29 -0.37 0.00	54.12 -1.39 0.00	41.17 -0.71 0.00	28.16 -0.81 0.00	25.22 -0.75 0.00	23.51 -0.28 0.00	22.84 -0.54 0.00	22.71 -0.11 0.00	22.02 -0.07 0.00	22.61 -0.30 0.00	23.31 -0.79 0.00	29.17 -1.50 0.00	40.73 -1.48 0.00	50.54 -1.89 0.00	51.36 -1.75 0.00	44.03 -1.27 0.00	37.88 -0.93 0.00	35.04 -0.39 0.00
STEPHTWN_115KV_BK_2 55603	34.80 1.11 0.00	33.28 1.06 0.00	33.49 1.04 0.00	33.21 0.97 0.00	34.00 1.05 0.00	39.72 1.27 0.00	55.43 1.77 0.00	57.39 1.89 0.00	43.27 1.38 0.00	29.96 0.99 0.00	26.81 0.83 0.00	24.54 0.74 0.00	24.08 0.70 0.00	23.48 0.66 0.00	22.73 0.64 0.00	23.62 0.71 0.00	24.97 0.87 0.00	31.81 1.13 0.00	43.64 1.43 0.00	54.11 1.68 0.00	54.87 1.75 0.00	46.75 1.45 0.00	39.93 1.13 0.00	36.46 1.03 0.00
STEUBEN_REC_LFGE 323667	33.73 0.03 0.00	32.12 -0.10 0.00	32.78 0.32 0.00	32.60 0.35 0.00	33.54 0.59 0.00	39.29 0.85 0.00	55.16 1.50 0.00	56.28 0.78 0.00	42.34 0.46 0.00	28.80 -0.17 0.00	25.56 -0.42 0.00	23.63 -0.17 0.00	23.12 -0.26 0.00	22.82 0.00 0.00	22.04 -0.04 0.00	22.70 -0.21 0.00	23.55 -0.55 0.00	30.06 -0.61 0.00	42.33 0.13 0.00	53.16 0.73 0.00	53.96 0.85 0.00	46.07 0.77 0.00	39.35 0.54 0.00	36.42 0.99 0.00
STILLWATER___SOLAR 323814	35.34 1.65 0.00	33.76 1.55 0.00	33.98 1.53 0.00	33.76 1.52 0.00	34.86 1.91 0.00	40.83 2.38 0.00	57.26 3.60 0.00	59.06 3.56 0.00	44.27 2.39 0.00	30.37 1.39 0.00	27.04 1.07 0.00	24.70 0.90 0.00	24.22 0.84 0.00	23.57 0.75 0.00	22.82 0.73 0.00	23.71 0.80 0.00	25.11 1.01 0.00	32.05 1.38 0.00	44.36 2.15 0.00	55.26 2.83 0.00	56.19 3.08 0.00	47.84 2.54 0.00	40.79 1.98 0.00	37.20 1.77 0.00
STONY___BROOK 24151	35.98 2.29 0.00	34.43 2.22 0.00	34.53 2.08 0.00	34.31 2.07 0.00	35.06 2.11 0.00	40.94 2.50 0.00	56.45 2.79 0.00	58.88 3.39 0.00	46.11 3.64 -0.59	32.44 2.43 -1.03	29.36 2.29 -1.10	27.15 2.14 -1.21	26.57 2.11 -1.09	25.96 2.03 -1.11	25.44 2.05 -1.30	26.37 2.25 -1.22	27.70 2.41 -1.19	34.82 3.13 -1.02	46.57 3.93 -0.44	57.57 4.93 -0.21	58.10 4.83 -0.15	49.10 3.81 0.00	42.13 3.22 -0.11	37.49 2.05 0.00
STURGEON_POOL_HYD 23609	35.48 1.79 0.00	33.95 1.74 0.00	34.11 1.66 0.00	33.85 1.61 0.00	34.56 1.61 0.00	40.41 1.96 0.00	56.56 2.90 0.00	58.61 3.11 0.00	44.23 2.35 0.00	30.51 1.54 0.00	27.46 1.48 0.00	25.11 1.31 0.00	24.67 1.29 0.00	24.08 1.26 0.00	23.37 1.28 0.00	24.28 1.37 0.00	25.62 1.52 0.00	32.60 1.93 0.00	44.74 2.53 0.00	55.47 3.04 0.00	56.03 2.92 0.00	47.61 2.31 0.00	40.83 2.02 0.00	37.17 1.74 0.00
ST_LAW_115_BK7_LBMP 345037	32.95 -0.74 0.00	31.57 -0.64 0.00	31.83 -0.62 0.00	31.69 -0.55 0.00	32.36 -0.59 0.00	37.64 -0.81 0.00	52.32 -1.34 0.00	54.06 -1.44 0.00	40.84 -1.05 0.00	28.25 -0.72 0.00	25.30 -0.68 0.00	23.18 -0.62 0.00	22.82 -0.56 0.00	22.23 -0.59 0.00	21.47 -0.62 0.00	22.29 -0.62 0.00	23.47 -0.63 0.00	29.94 -0.74 0.00	41.28 -0.93 0.00	51.33 -1.10 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.30 -0.51 0.00	35.04 -0.39 0.00



ST_LAW_115_BK8_LBMP 345038	32.95 -0.74 0.00	31.57 -0.64 0.00	31.83 -0.62 0.00	31.69 -0.55 0.00	32.36 -0.59 0.00	37.64 -0.81 0.00	52.32 -1.34 0.00	54.06 -1.44 0.00	40.84 -1.05 0.00	28.25 -0.72 0.00	25.30 -0.68 0.00	23.18 -0.62 0.00	22.82 -0.56 0.00	22.23 -0.59 0.00	21.47 -0.62 0.00	22.29 -0.62 0.00	23.47 -0.63 0.00	29.94 -0.74 0.00	41.28 -0.93 0.00	51.33 -1.10 0.00	52.10 -1.01 0.00	44.62 -0.68 0.00	38.30 -0.51 0.00	35.04 -0.39 0.00
ST_LAW_230_BK5_LBMP 345035	32.98 -0.71 0.00	31.57 -0.64 0.00	31.83 -0.62 0.00	31.69 -0.55 0.00	32.36 -0.59 0.00	37.68 -0.77 0.00	52.43 -1.23 0.00	54.17 -1.33 0.00	40.88 -1.01 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.20 -0.59 0.00	22.84 -0.54 0.00	22.27 -0.55 0.00	21.51 -0.57 0.00	22.31 -0.60 0.00	23.50 -0.60 0.00	29.97 -0.70 0.00	41.32 -0.89 0.00	51.43 -1.00 0.00	52.16 -0.95 0.00	44.67 -0.63 0.00	38.34 -0.46 0.00	35.08 -0.35 0.00
ST_LAW_230_BK6_LBMP 345036	32.98 -0.71 0.00	31.57 -0.64 0.00	31.83 -0.62 0.00	31.69 -0.55 0.00	32.36 -0.59 0.00	37.68 -0.77 0.00	52.43 -1.23 0.00	54.17 -1.33 0.00	40.88 -1.01 0.00	28.28 -0.70 0.00	25.35 -0.62 0.00	23.20 -0.59 0.00	22.84 -0.54 0.00	22.27 -0.55 0.00	21.51 -0.57 0.00	22.31 -0.60 0.00	23.50 -0.60 0.00	29.97 -0.70 0.00	41.32 -0.89 0.00	51.43 -1.00 0.00	52.16 -0.95 0.00	44.67 -0.63 0.00	38.34 -0.46 0.00	35.08 -0.35 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	35.34 1.65 0.00	33.82 1.61 0.00	33.95 1.49 0.00	33.69 1.45 0.00	34.43 1.48 0.00	40.25 1.81 0.00	56.29 2.63 0.00	58.39 2.89 0.00	44.06 2.18 0.00	30.42 1.45 0.00	27.35 1.38 0.00	25.04 1.24 0.00	24.60 1.22 0.00	24.01 1.19 0.00	23.30 1.21 0.00	24.19 1.28 0.00	25.50 1.40 0.00	32.48 1.81 0.00	44.57 2.36 0.00	55.26 2.83 0.00	55.82 2.71 0.00	47.43 2.13 0.00	40.67 1.86 0.00	37.06 1.63 0.00
SWANROAD_115KV_TB1 355699	32.31 -1.38 0.00	30.57 -1.64 0.00	31.41 -1.04 0.00	30.98 -1.26 0.00	31.83 -1.12 0.00	36.99 -1.46 0.00	51.25 -2.41 0.00	52.17 -3.33 0.00	39.75 -2.14 0.00	27.29 -1.68 0.00	24.47 -1.51 0.00	22.82 -0.98 0.00	22.19 -1.19 0.00	22.07 -0.75 0.00	21.45 -0.64 0.00	22.01 -0.89 0.00	22.53 -1.57 0.00	28.22 -2.45 0.00	39.33 -2.87 0.00	48.81 -3.62 0.00	49.61 -3.51 0.00	42.49 -2.81 0.00	36.56 -2.25 0.00	34.05 -1.38 0.00
SYNERGY___BIOGAS 323694	33.66 -0.03 0.00	31.86 -0.35 0.00	32.58 0.13 0.00	32.24 0.00 0.00	33.08 0.13 0.00	38.56 0.12 0.00	53.72 0.05 0.00	54.89 -0.61 0.00	41.55 -0.34 0.00	28.40 -0.58 0.00	25.40 -0.57 0.00	23.56 -0.24 0.00	22.96 -0.42 0.00	22.78 -0.05 0.00	22.07 -0.02 0.00	22.66 -0.25 0.00	23.26 -0.84 0.00	29.32 -1.35 0.00	41.11 -1.10 0.00	51.28 -1.15 0.00	52.32 -0.80 0.00	44.58 -0.72 0.00	38.27 -0.54 0.00	35.33 -0.11 0.00
SYRACUSE___ENERGY_ST1 323597	33.73 0.03 0.00	32.21 0.00 0.00	32.45 0.00 0.00	32.24 0.00 0.00	32.98 0.03 0.00	38.48 0.04 0.00	53.88 0.21 0.00	55.61 0.11 0.00	41.93 0.04 0.00	29.00 0.03 0.00	25.92 -0.05 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.04 -0.17 0.00	52.32 -0.10 0.00	53.01 -0.11 0.00	45.17 -0.14 0.00	38.61 -0.19 0.00	35.25 -0.18 0.00
SYRACUSE___ENERGY_ST2 323598	33.73 0.03 0.00	32.21 0.00 0.00	32.45 0.00 0.00	32.24 0.00 0.00	32.98 0.03 0.00	38.48 0.04 0.00	53.88 0.21 0.00	55.61 0.11 0.00	41.93 0.04 0.00	29.00 0.03 0.00	25.92 -0.05 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	42.04 -0.17 0.00	52.32 -0.10 0.00	53.01 -0.11 0.00	45.17 -0.14 0.00	38.61 -0.19 0.00	35.25 -0.18 0.00
SYRACUSE___POWER 24017	33.66 -0.03 0.00	32.15 -0.06 0.00	32.39 -0.06 0.00	32.21 -0.03 0.00	32.92 -0.03 0.00	38.45 0.00 0.00	53.82 0.16 0.00	55.56 0.06 0.00	41.88 0.00 0.00	28.98 0.00 0.00	25.90 -0.08 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	41.99 -0.21 0.00	52.27 -0.16 0.00	52.95 -0.16 0.00	45.12 -0.18 0.00	38.58 -0.23 0.00	35.22 -0.21 0.00
TALLMAN___138KV_BK151 55660	35.61 1.92 0.00	34.08 1.87 0.00	34.20 1.75 0.00	33.95 1.71 0.00	34.66 1.71 0.00	40.52 2.08 0.00	56.72 3.06 0.00	58.89 3.39 0.00	44.48 2.60 0.00	30.71 1.74 0.00	27.61 1.64 0.00	25.27 1.48 0.00	24.83 1.45 0.00	24.24 1.41 0.00	23.50 1.41 0.00	24.42 1.51 0.00	25.74 1.64 0.00	32.79 2.12 0.00	44.95 2.74 0.00	55.73 3.30 0.00	56.30 3.19 0.00	47.75 2.45 0.00	40.98 2.17 0.00	37.31 1.88 0.00
TEALLAVE_115KV_TB7 355573	33.56 -0.13 0.00	32.02 -0.19 0.00	32.29 -0.16 0.00	32.08 -0.16 0.00	32.82 -0.13 0.00	38.29 -0.15 0.00	53.61 -0.05 0.00	55.34 -0.17 0.00	41.76 -0.13 0.00	28.89 -0.09 0.00	25.85 -0.13 0.00	23.70 -0.10 0.00	23.29 -0.09 0.00	22.75 -0.07 0.00	22.00 -0.09 0.00	22.79 -0.11 0.00	23.88 -0.22 0.00	30.34 -0.34 0.00	41.82 -0.38 0.00	52.06 -0.37 0.00	52.74 -0.37 0.00	44.94 -0.36 0.00	38.42 -0.39 0.00	35.08 -0.35 0.00
TELGRAPH_34_KV_EAST 80808	33.12 -0.57 0.00	31.34 -0.87 0.00	32.13 -0.32 0.00	31.73 -0.52 0.00	32.59 -0.36 0.00	37.95 -0.50 0.00	52.70 -0.97 0.00	53.78 -1.72 0.00	40.84 -1.05 0.00	27.99 -0.99 0.00	25.04 -0.94 0.00	23.30 -0.50 0.00	22.68 -0.70 0.00	22.53 -0.30 0.00	21.85 -0.24 0.00	22.43 -0.48 0.00	23.02 -1.08 0.00	28.92 -1.75 0.00	40.39 -1.81 0.00	50.28 -2.15 0.00	51.20 -1.91 0.00	43.76 -1.54 0.00	37.57 -1.24 0.00	34.83 -0.60 0.00
TEMPLE___115KV_TB 2 55572	33.56 -0.13 0.00	32.05 -0.16 0.00	32.32 -0.13 0.00	32.11 -0.13 0.00	32.85 -0.10 0.00	38.33 -0.12 0.00	53.61 -0.05 0.00	55.39 -0.11 0.00	41.76 -0.13 0.00	28.92 -0.06 0.00	25.87 -0.10 0.00	23.70 -0.10 0.00	23.29 -0.09 0.00	22.78 -0.05 0.00	22.02 -0.07 0.00	22.82 -0.09 0.00	23.91 -0.19 0.00	30.37 -0.31 0.00	41.87 -0.34 0.00	52.11 -0.31 0.00	52.79 -0.32 0.00	44.94 -0.36 0.00	38.46 -0.35 0.00	35.11 -0.32 0.00
TIANA____69_KV_BK 1 55817	35.44 1.75 0.00	34.05 1.84 0.00	34.11 1.66 0.00	33.50 1.26 0.00	34.17 1.22 0.00	40.33 1.88 0.00	55.75 2.09 0.00	58.16 2.66 0.00	45.44 2.97 -0.58	31.93 1.94 -1.02	28.96 1.90 -1.09	26.85 1.86 -1.20	26.26 1.80 -1.08	25.65 1.73 -1.09	25.09 1.72 -1.28	26.11 1.99 -1.21	27.40 2.12 -1.17	34.38 2.70 -1.01	45.93 3.29 -0.44	56.78 4.14 -0.21	57.30 4.04 -0.15	48.56 3.26 0.00	41.59 2.68 -0.10	36.85 1.42 0.00
TILDEN___115KV_TB1 80814	33.66 -0.03 0.00	32.15 -0.06 0.00	32.39 -0.06 0.00	32.21 -0.03 0.00	32.92 -0.03 0.00	38.45 0.00 0.00	53.82 0.16 0.00	55.56 0.06 0.00	41.88 0.00 0.00	28.98 0.00 0.00	25.90 -0.08 0.00	23.75 -0.05 0.00	23.33 -0.05 0.00	22.80 -0.02 0.00	22.04 -0.04 0.00	22.84 -0.07 0.00	23.96 -0.14 0.00	30.46 -0.21 0.00	41.99 -0.21 0.00	52.27 -0.16 0.00	52.95 -0.16 0.00	45.12 -0.18 0.00	38.58 -0.23 0.00	35.22 -0.21 0.00



TRIGEN___CC 323695	35.98 2.29 0.00	34.40 2.19 0.00	34.50 2.04 0.00	34.11 1.87 0.00	34.83 1.88 0.00	40.91 2.46 0.00	56.56 2.90 0.00	59.05 3.55 0.00	47.28 3.81 -1.58	34.38 2.64 -2.77	31.35 2.42 -2.95	29.27 2.21 -3.26	28.47 2.15 -2.93	27.90 2.10 -2.98	27.70 2.12 -3.49	28.39 2.20 -3.29	29.64 2.34 -3.20	36.36 2.94 -2.74	47.24 3.84 -1.20	57.62 4.61 -0.58	58.16 4.62 -0.42	49.01 3.71 0.00	42.40 3.30 -0.29	37.49 2.06 0.00
TRINITY___115KV___4 BK 55933	34.50 0.81 0.00	32.99 0.77 0.00	33.20 0.75 0.00	32.95 0.71 0.00	33.71 0.76 0.00	39.29 0.85 0.00	54.79 1.13 0.00	56.78 1.28 0.00	42.85 0.96 0.00	29.70 0.72 0.00	26.63 0.65 0.00	24.39 0.59 0.00	23.94 0.56 0.00	23.35 0.52 0.00	22.62 0.53 0.00	23.48 0.57 0.00	24.80 0.70 0.00	31.59 0.92 0.00	43.22 1.01 0.00	53.58 1.15 0.00	54.28 1.17 0.00	46.25 0.95 0.00	39.58 0.78 0.00	36.14 0.71 0.00
UNION___PROCESSING_DRP 323587	33.42 -0.27 0.00	31.73 -0.48 0.00	32.26 -0.19 0.00	31.95 -0.29 0.00	32.72 -0.23 0.00	38.18 -0.27 0.00	53.23 -0.43 0.00	54.84 -0.67 0.00	41.47 -0.42 0.00	28.54 -0.43 0.00	25.56 -0.42 0.00	23.58 -0.21 0.00	23.05 -0.33 0.00	22.73 -0.09 0.00	22.02 -0.07 0.00	22.68 -0.23 0.00	23.47 -0.63 0.00	29.69 -0.98 0.00	41.28 -0.93 0.00	51.43 -1.00 0.00	52.32 -0.80 0.00	44.53 -0.77 0.00	38.19 -0.62 0.00	35.01 -0.43 0.00
UPPER HUDSON___HYD 24058	35.51 1.82 0.00	33.92 1.71 0.00	34.14 1.69 0.00	33.92 1.68 0.00	34.89 1.94 0.00	40.98 2.54 0.00	57.74 4.08 0.00	59.67 4.16 0.00	44.65 2.76 0.00	30.54 1.56 0.00	27.15 1.17 0.00	24.80 1.00 0.00	24.29 0.91 0.00	23.62 0.80 0.00	22.82 0.73 0.00	23.73 0.82 0.00	25.16 1.06 0.00	32.08 1.41 0.00	44.52 2.32 0.00	55.57 3.15 0.00	56.62 3.50 0.00	48.16 2.86 0.00	40.98 2.17 0.00	37.34 1.91 0.00
UPPER RAQUET___HYD 24056	38.89 -1.31 -6.51	36.12 -1.19 -5.10	31.32 -1.14 0.00	31.21 -1.03 0.00	31.86 -1.09 0.00	37.06 -1.38 0.00	51.46 -2.20 0.00	53.12 -2.38 0.00	40.08 -1.80 0.00	27.61 -1.36 0.00	24.70 -1.27 0.00	22.56 -1.24 0.00	22.26 -1.12 0.00	21.61 -1.21 0.00	20.87 -1.21 0.00	21.65 -1.26 0.00	22.85 -1.25 0.00	29.26 -1.41 0.00	40.60 -1.60 0.00	50.49 -1.94 0.00	51.31 -1.81 0.00	44.17 -1.13 0.00	37.88 -0.93 0.00	34.62 -0.81 0.00
VALLEY44_115KV_TB2 355964	33.93 0.24 0.00	32.28 0.06 0.00	33.04 0.58 0.00	32.69 0.45 0.00	33.67 0.72 0.00	39.14 0.69 0.00	54.57 0.91 0.00	55.11 -0.39 0.00	41.93 0.04 0.00	28.51 -0.46 0.00	25.48 -0.49 0.00	23.66 -0.14 0.00	23.03 -0.35 0.00	22.82 0.00 0.00	22.13 0.04 0.00	22.70 -0.21 0.00	23.47 -0.63 0.00	29.63 -1.04 0.00	41.23 -0.97 0.00	51.33 -1.10 0.00	52.05 -1.06 0.00	44.35 -0.95 0.00	38.15 -0.66 0.00	35.93 0.50 0.00
VALLEY___115KV_TB 1-4 80826	33.46 -0.24 0.00	32.05 -0.16 0.00	32.32 -0.13 0.00	32.18 -0.06 0.00	32.95 0.00 0.00	38.60 0.15 0.00	54.09 0.43 0.00	56.00 0.50 0.00	42.09 0.21 0.00	28.95 -0.03 0.00	25.85 -0.13 0.00	23.66 -0.14 0.00	23.24 -0.14 0.00	22.59 -0.23 0.00	21.89 -0.20 0.00	22.70 -0.21 0.00	23.98 -0.12 0.00	30.61 -0.06 0.00	42.46 0.25 0.00	53.06 0.63 0.00	53.91 0.80 0.00	46.12 0.82 0.00	39.55 0.74 0.00	36.14 0.71 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	35.61 1.92 0.00	34.02 1.80 0.00	34.27 1.82 0.00	34.02 1.77 0.00	34.79 1.85 0.00	40.75 2.31 0.00	57.20 3.54 0.00	59.22 3.72 0.00	44.44 2.55 0.00	30.42 1.45 0.00	27.12 1.14 0.00	24.80 1.00 0.00	24.34 0.96 0.00	23.67 0.84 0.00	22.95 0.86 0.00	23.80 0.89 0.00	25.09 0.99 0.00	32.11 1.44 0.00	44.48 2.28 0.00	55.52 3.09 0.00	56.25 3.13 0.00	47.88 2.58 0.00	40.94 2.13 0.00	37.38 1.95 0.00
VISCHER___FERRY HYD 24020	35.01 1.31 0.00	33.44 1.22 0.00	33.65 1.20 0.00	33.40 1.16 0.00	34.23 1.28 0.00	40.06 1.61 0.00	56.02 2.36 0.00	58.00 2.50 0.00	43.60 1.72 0.00	30.05 1.07 0.00	26.89 0.91 0.00	24.58 0.78 0.00	24.13 0.75 0.00	23.53 0.71 0.00	22.79 0.71 0.00	23.66 0.75 0.00	24.99 0.89 0.00	31.90 1.23 0.00	43.94 1.73 0.00	54.58 2.15 0.00	55.29 2.18 0.00	47.12 1.81 0.00	40.25 1.44 0.00	36.71 1.27 0.00
V_A_10_SYNC_DSASP 323832	32.92 -0.77 0.00	31.25 -0.97 0.00	31.87 -0.58 0.00	31.37 -0.87 0.00	32.19 -0.76 0.00	37.64 -0.81 0.00	52.27 -1.40 0.00	53.61 -1.89 0.00	40.71 -1.17 0.00	28.05 -0.93 0.00	25.14 -0.83 0.00	23.32 -0.48 0.00	22.75 -0.63 0.00	22.55 -0.27 0.00	21.85 -0.24 0.00	22.50 -0.41 0.00	23.26 -0.84 0.00	29.17 -1.50 0.00	40.47 -1.73 0.00	50.28 -2.15 0.00	51.10 -2.02 0.00	43.67 -1.63 0.00	37.53 -1.28 0.00	34.48 -0.95 0.00
V_CMM_10_SYNC_DSASP 323787	33.15 -0.54 0.00	31.73 -0.48 0.00	32.00 -0.45 0.00	31.89 -0.35 0.00	32.52 -0.43 0.00	37.83 -0.62 0.00	52.59 -1.07 0.00	54.33 -1.17 0.00	41.00 -0.88 0.00	28.37 -0.61 0.00	25.43 -0.55 0.00	23.27 -0.52 0.00	22.93 -0.44 0.00	22.34 -0.48 0.00	21.58 -0.51 0.00	22.38 -0.53 0.00	23.57 -0.53 0.00	30.06 -0.61 0.00	41.49 -0.72 0.00	51.59 -0.84 0.00	52.37 -0.74 0.00	44.89 -0.41 0.00	38.54 -0.27 0.00	35.22 -0.21 0.00
V_CMP_10_SYNC_DSASP 323788	-6.88 -1.31 39.26	0.25 -1.22 30.74	31.29 -1.17 0.00	31.24 -1.00 0.00	31.89 -1.06 0.00	37.02 -1.42 0.00	51.68 -1.98 0.00	53.45 -2.05 0.00	40.21 -1.68 0.00	27.87 -1.10 0.00	24.99 -0.99 0.00	22.87 -0.93 0.00	22.56 -0.82 0.00	21.93 -0.89 0.00	21.16 -0.93 0.00	21.97 -0.94 0.00	23.18 -0.92 0.00	29.69 -0.98 0.00	41.19 -1.01 0.00	51.69 -0.73 0.00	52.63 -0.48 0.00	45.08 -0.23 0.00	38.77 -0.04 0.00	35.54 0.11 0.00
V_D_10_SYNC_DSASP 323841	34.75 -0.40 -1.46	33.00 -0.35 -1.14	32.16 -0.29 0.00	32.05 -0.19 0.00	32.68 -0.26 0.00	37.99 -0.46 0.00	52.64 -1.02 0.00	54.39 -1.11 0.00	41.17 -0.71 0.00	28.45 -0.52 0.00	25.48 -0.49 0.00	23.32 -0.48 0.00	22.98 -0.40 0.00	22.39 -0.43 0.00	21.60 -0.49 0.00	22.40 -0.50 0.00	23.62 -0.48 0.00	30.15 -0.52 0.00	41.61 -0.59 0.00	51.64 -0.78 0.00	52.42 -0.69 0.00	45.12 -0.18 0.00	38.73 -0.08 0.00	35.40 -0.04 0.00
V_E_10_SYNC_DSASP 323830	36.29 2.59 0.00	34.60 2.38 0.00	34.95 2.50 0.00	34.76 2.52 0.00	35.62 2.67 0.00	41.91 3.46 0.00	59.57 5.90 0.00	65.05 9.55 0.00	47.33 5.44 0.00	31.32 2.35 0.00	27.15 1.17 0.00	24.63 0.83 0.00	24.08 0.70 0.00	23.21 0.39 0.00	22.53 0.44 0.00	23.48 0.57 0.00	25.14 1.04 0.00	31.96 1.29 0.00	45.24 3.04 0.00	57.31 4.88 0.00	58.05 4.94 0.00	49.42 4.12 0.00	42.03 3.22 0.00	38.37 2.94 0.00
V_F_30_NSYNC___DSASP 323816	35.38 1.68 0.00	33.79 1.58 0.00	34.04 1.59 0.00	33.79 1.55 0.00	34.93 1.98 0.00	40.94 2.50 0.00	57.42 3.76 0.00	59.22 3.72 0.00	44.40 2.51 0.00	30.45 1.48 0.00	27.12 1.14 0.00	24.77 0.98 0.00	24.29 0.91 0.00	23.64 0.82 0.00	22.86 0.77 0.00	23.78 0.87 0.00	25.16 1.06 0.00	32.11 1.44 0.00	44.44 2.24 0.00	55.31 2.88 0.00	56.30 3.19 0.00	47.88 2.58 0.00	40.83 2.02 0.00	37.24 1.81 0.00



V_F_30_SYNC_DSASP 323786	34.57 0.88 0.00	33.08 0.87 0.00	33.26 0.81 0.00	33.02 0.77 0.00	33.77 0.82 0.00	39.41 0.96 0.00	54.95 1.29 0.00	56.94 1.44 0.00	42.97 1.09 0.00	29.76 0.78 0.00	26.68 0.70 0.00	24.42 0.62 0.00	23.99 0.61 0.00	23.39 0.57 0.00	22.66 0.57 0.00	23.50 0.60 0.00	24.85 0.75 0.00	31.62 0.95 0.00	43.34 1.14 0.00	53.74 1.31 0.00	54.44 1.33 0.00	46.39 1.09 0.00	39.66 0.85 0.00	36.21 0.78 0.00
V_XM_10_SYNC_DSASP 323789	-6.88 -1.31 39.26	0.25 -1.22 30.74	31.29 -1.17 0.00	31.24 -1.00 0.00	31.89 -1.06 0.00	37.02 -1.42 0.00	51.68 -1.98 0.00	53.45 -2.05 0.00	40.21 -1.68 0.00	27.87 -1.10 0.00	24.99 -0.99 0.00	22.87 -0.93 0.00	22.56 -0.82 0.00	21.93 -0.89 0.00	21.16 -0.93 0.00	21.97 -0.94 0.00	23.18 -0.92 0.00	29.69 -0.98 0.00	41.19 -1.01 0.00	51.69 -0.73 0.00	52.63 -0.48 0.00	45.08 -0.23 0.00	38.77 -0.04 0.00	35.54 0.11 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	35.68 1.99 0.00	34.18 1.96 0.00	34.30 1.85 0.00	34.05 1.81 0.00	34.76 1.81 0.00	40.64 2.19 0.00	56.88 3.22 0.00	59.06 3.55 0.00	44.61 2.72 0.00	30.80 1.83 0.00	27.66 1.69 0.00	25.35 1.55 0.00	24.88 1.50 0.00	24.28 1.46 0.00	23.57 1.48 0.00	24.47 1.56 0.00	25.81 1.71 0.00	32.88 2.21 0.00	45.07 2.87 0.00	55.89 3.46 0.00	56.51 3.40 0.00	47.93 2.63 0.00	41.10 2.29 0.00	37.42 1.98 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	36.25 2.56 0.00	34.66 2.45 0.00	34.79 2.34 0.00	34.50 2.26 0.00	35.16 2.21 0.00	41.18 2.73 0.00	57.75 4.08 0.00	60.06 4.55 0.00	53.08 3.43 -7.76	44.78 2.29 -13.51	42.51 2.13 -14.40	41.64 1.95 -15.89	39.60 1.92 -14.30	39.19 1.85 -14.52	40.96 1.86 -17.01	40.86 1.95 -16.00	41.82 2.14 -15.58	46.79 2.76 -13.36	51.71 3.63 -5.87	59.72 4.40 -2.89	59.55 4.30 -2.13	48.84 3.49 -0.05	43.29 2.99 -1.49	37.95 2.52 0.00
W50THST__13_KV_LOAD 356117	36.39 2.70 0.00	34.85 2.64 0.00	34.92 2.47 0.00	34.66 2.42 0.00	35.35 2.41 0.00	41.37 2.92 0.00	58.12 4.45 0.00	60.45 4.94 0.00	53.41 3.77 -7.76	45.01 2.52 -13.51	42.71 2.34 -14.40	41.83 2.14 -15.89	39.76 2.08 -14.30	39.37 2.03 -14.52	41.13 2.03 -17.01	41.04 2.13 -16.00	41.99 2.31 -15.58	47.01 2.98 -13.36	52.05 3.97 -5.87	60.14 4.82 -2.89	59.97 4.73 -2.13	49.11 3.76 -0.05	43.56 3.26 -1.49	38.12 2.69 0.00
WADING RIVER_IC_1 23522	35.21 1.52 0.00	33.85 1.64 0.00	33.91 1.46 0.00	33.69 1.45 0.00	34.43 1.48 0.00	40.02 1.58 0.00	55.32 1.67 0.00	57.72 2.22 0.00	45.15 2.68 -0.58	31.73 1.74 -1.02	28.80 1.74 -1.08	26.76 1.76 -1.20	26.16 1.71 -1.08	25.58 1.67 -1.09	25.03 1.66 -1.28	26.06 1.95 -1.21	27.30 2.02 -1.17	34.22 2.54 -1.01	45.59 2.95 -0.44	56.52 3.88 -0.21	56.98 3.72 -0.15	48.15 2.86 0.00	41.28 2.37 -0.10	36.67 1.24 0.00
WADING RIVER_IC_2 23547	35.21 1.52 0.00	33.85 1.64 0.00	33.91 1.46 0.00	33.69 1.45 0.00	34.43 1.48 0.00	40.02 1.58 0.00	55.32 1.67 0.00	57.72 2.22 0.00	45.15 2.68 -0.58	31.73 1.74 -1.02	28.80 1.74 -1.08	26.76 1.76 -1.20	26.16 1.71 -1.08	25.58 1.67 -1.09	25.03 1.66 -1.28	26.06 1.95 -1.21	27.30 2.02 -1.17	34.22 2.54 -1.01	45.59 2.95 -0.44	56.52 3.88 -0.21	56.98 3.72 -0.15	48.15 2.86 0.00	41.28 2.37 -0.10	36.67 1.24 0.00
WADING RIVER_IC_3 23601	35.21 1.52 0.00	33.85 1.64 0.00	33.91 1.46 0.00	33.69 1.45 0.00	34.43 1.48 0.00	40.02 1.58 0.00	55.32 1.67 0.00	57.72 2.22 0.00	45.15 2.68 -0.58	31.73 1.74 -1.02	28.80 1.74 -1.08	26.76 1.76 -1.20	26.16 1.71 -1.08	25.58 1.67 -1.09	25.03 1.66 -1.28	26.06 1.95 -1.21	27.30 2.02 -1.17	34.22 2.54 -1.01	45.59 2.95 -0.44	56.52 3.88 -0.21	56.98 3.72 -0.15	48.15 2.86 0.00	41.28 2.37 -0.10	36.67 1.24 0.00
WALDENNY_12_KV_BK2 80841	33.32 -0.37 0.00	31.60 -0.61 0.00	32.45 0.00 0.00	32.05 -0.19 0.00	32.95 0.00 0.00	38.33 -0.12 0.00	53.23 -0.43 0.00	54.11 -1.39 0.00	41.17 -0.71 0.00	28.16 -0.81 0.00	25.22 -0.75 0.00	23.51 -0.29 0.00	22.87 -0.51 0.00	22.71 -0.11 0.00	22.04 -0.04 0.00	22.61 -0.30 0.00	23.21 -0.89 0.00	29.17 -1.50 0.00	40.73 -1.48 0.00	50.59 -1.84 0.00	51.41 -1.70 0.00	44.03 -1.27 0.00	37.80 -1.01 0.00	35.18 -0.25 0.00
WALDEN__HYDRO 24148	35.48 1.79 0.00	33.95 1.74 0.00	34.11 1.66 0.00	33.85 1.61 0.00	34.56 1.61 0.00	40.41 1.96 0.00	56.61 2.95 0.00	58.67 3.16 0.00	44.23 2.35 0.00	30.54 1.56 0.00	27.43 1.45 0.00	25.11 1.31 0.00	24.64 1.26 0.00	24.08 1.26 0.00	23.35 1.26 0.00	24.26 1.35 0.00	25.57 1.47 0.00	32.57 1.90 0.00	44.74 2.53 0.00	55.47 3.04 0.00	56.09 2.97 0.00	47.61 2.31 0.00	40.83 2.02 0.00	37.20 1.77 0.00
WARRENSBURG____ 23737	35.51 1.82 0.00	33.92 1.71 0.00	34.14 1.69 0.00	33.89 1.64 0.00	34.89 1.94 0.00	40.98 2.54 0.00	57.74 4.08 0.00	59.66 4.16 0.00	44.65 2.76 0.00	30.54 1.56 0.00	27.15 1.17 0.00	24.75 0.95 0.00	24.29 0.91 0.00	23.62 0.80 0.00	22.82 0.73 0.00	23.73 0.82 0.00	25.16 1.06 0.00	32.08 1.41 0.00	44.53 2.32 0.00	55.52 3.09 0.00	56.62 3.51 0.00	48.16 2.85 0.00	40.98 2.17 0.00	37.34 1.91 0.00
WATERSIDE____6 8 9 23538	36.43 2.73 -0.01	34.74 2.61 0.08	34.99 2.53 0.00	34.70 2.45 -0.01	35.33 2.37 -0.01	41.40 2.96 0.01	57.97 4.29 -0.01	60.23 4.72 -0.01	57.93 3.56 -12.48	53.09 2.38 -21.74	51.59 2.23 -23.38	51.65 2.02 -25.83	52.44 1.99 -27.08	52.52 1.94 -27.76	51.69 1.92 -27.68	51.25 2.04 -26.30	51.73 2.22 -25.41	54.99 2.82 -21.50	58.93 3.76 -12.96	61.58 4.51 -4.64	61.01 4.46 -3.43	50.48 3.62 -1.56	49.81 3.10 -7.90	38.13 2.69 -0.01
WATKINRD_115KV_LN8_ILLION 55919	33.39 -0.30 0.00	31.99 -0.23 0.00	32.29 -0.16 0.00	32.15 -0.10 0.00	32.92 -0.03 0.00	38.60 0.15 0.00	54.20 0.54 0.00	56.11 0.61 0.00	42.14 0.25 0.00	28.92 -0.06 0.00	25.77 -0.21 0.00	23.58 -0.21 0.00	23.17 -0.21 0.00	22.50 -0.32 0.00	21.80 -0.29 0.00	22.61 -0.30 0.00	23.91 -0.19 0.00	30.58 -0.09 0.00	42.50 0.30 0.00	53.27 0.84 0.00	54.12 1.01 0.00	46.39 1.09 0.00	39.74 0.93 0.00	36.35 0.92 0.00
WATSON__69_KV_BK 1 55734	36.25 2.56 0.00	34.66 2.45 0.00	34.76 2.30 0.00	34.27 2.03 0.00	34.96 2.01 0.00	41.21 2.77 0.00	56.93 3.27 0.00	59.33 3.83 0.00	46.49 3.98 -0.62	32.73 2.67 -1.09	29.61 2.47 -1.17	27.39 2.31 -1.29	26.78 2.24 -1.16	26.21 2.21 -1.18	25.68 2.21 -1.38	26.59 2.38 -1.30	27.94 2.58 -1.26	35.10 3.34 -1.08	47.02 4.35 -0.47	58.06 5.40 -0.23	58.59 5.31 -0.16	49.60 4.30 0.00	42.53 3.61 -0.11	37.66 2.23 0.00
WDELAWARE__HYD 323627	35.51 1.82 0.00	34.05 1.84 0.00	34.20 1.75 0.00	33.98 1.74 0.00	34.73 1.78 0.00	40.60 2.15 0.00	56.99 3.33 0.00	58.89 3.39 0.00	44.31 2.43 0.00	30.48 1.51 0.00	27.33 1.35 0.00	24.94 1.14 0.00	24.48 1.10 0.00	23.92 1.10 0.00	23.21 1.13 0.00	24.12 1.21 0.00	25.45 1.35 0.00	32.45 1.78 0.00	44.78 2.57 0.00	55.63 3.20 0.00	56.25 3.13 0.00	47.66 2.35 0.00	40.90 2.09 0.00	37.34 1.91 0.00



WEST BABYLON___IC 23714	36.25 2.56 0.00	34.66 2.45 0.00	34.76 2.30 0.00	34.31 2.06 0.00	34.99 2.04 0.00	41.21 2.77 0.00	56.88 3.22 0.00	59.38 3.89 0.00	46.62 4.02 -0.72	32.95 2.72 -1.26	29.83 2.52 -1.34	27.61 2.33 -1.48	26.98 2.27 -1.33	26.39 2.21 -1.35	25.90 2.23 -1.58	26.78 2.38 -1.49	28.10 2.55 -1.45	35.20 3.28 -1.24	47.05 4.30 -0.54	58.04 5.35 -0.26	58.56 5.26 -0.19	49.56 4.26 0.00	42.55 3.61 -0.13	37.66 2.23 0.00
WEST CANADA___HYD 24049	33.90 0.20 0.00	32.41 0.19 0.00	32.65 0.20 0.00	32.40 0.16 0.00	33.15 0.20 0.00	38.68 0.23 0.00	54.09 0.43 0.00	55.94 0.44 0.00	42.22 0.33 0.00	29.18 0.20 0.00	26.13 0.16 0.00	23.94 0.14 0.00	23.50 0.12 0.00	22.94 0.11 0.00	22.20 0.11 0.00	23.02 0.12 0.00	24.27 0.17 0.00	30.89 0.22 0.00	42.50 0.30 0.00	52.85 0.42 0.00	53.49 0.37 0.00	45.62 0.32 0.00	39.04 0.23 0.00	35.65 0.21 0.00
WESTERN_NY_WIND 24143	33.59 -0.10 0.00	31.79 -0.42 0.00	32.55 0.10 0.00	32.18 -0.06 0.00	33.05 0.10 0.00	38.52 0.08 0.00	53.61 -0.05 0.00	54.84 -0.67 0.00	41.47 -0.42 0.00	28.37 -0.61 0.00	25.35 -0.62 0.00	23.54 -0.26 0.00	22.91 -0.47 0.00	22.75 -0.07 0.00	22.07 -0.02 0.00	22.63 -0.27 0.00	23.23 -0.87 0.00	29.29 -1.38 0.00	41.02 -1.18 0.00	51.17 -1.26 0.00	52.21 -0.90 0.00	44.49 -0.82 0.00	38.19 -0.62 0.00	35.29 -0.14 0.00
WESTOVER___LESR 323668	34.27 0.57 0.00	32.70 0.48 0.00	33.04 0.58 0.00	32.79 0.55 0.00	33.57 0.63 0.00	39.18 0.73 0.00	54.79 1.13 0.00	56.39 0.89 0.00	42.51 0.63 0.00	29.24 0.26 0.00	26.11 0.13 0.00	23.99 0.19 0.00	23.52 0.14 0.00	23.05 0.23 0.00	22.31 0.22 0.00	23.09 0.18 0.00	24.17 0.07 0.00	30.80 0.12 0.00	42.58 0.38 0.00	53.01 0.58 0.00	53.70 0.58 0.00	45.71 0.41 0.00	39.16 0.35 0.00	35.96 0.53 0.00
WETHRSFD_WT_PWR 323626	33.19 -0.50 0.00	31.57 -0.64 0.00	32.32 -0.13 0.00	31.86 -0.39 0.00	32.72 -0.23 0.00	38.29 -0.15 0.00	53.40 -0.27 0.00	54.23 -1.27 0.00	41.00 -0.88 0.00	28.02 -0.96 0.00	25.04 -0.93 0.00	23.25 -0.55 0.00	22.65 -0.72 0.00	22.46 -0.37 0.00	21.76 -0.33 0.00	22.36 -0.55 0.00	23.14 -0.96 0.00	29.14 -1.53 0.00	40.85 -1.35 0.00	51.02 -1.41 0.00	51.84 -1.28 0.00	44.35 -0.95 0.00	38.07 -0.74 0.00	35.15 -0.28 0.00
WHAVSTOR_138KV_BK127 55557	35.68 1.99 0.00	34.15 1.93 0.00	34.27 1.82 0.00	34.02 1.77 0.00	34.73 1.78 0.00	40.60 2.15 0.00	56.78 3.11 0.00	59.00 3.50 0.00	44.56 2.68 0.00	30.74 1.77 0.00	27.64 1.66 0.00	25.30 1.50 0.00	24.85 1.47 0.00	24.26 1.44 0.00	23.55 1.46 0.00	24.44 1.53 0.00	25.79 1.69 0.00	32.85 2.18 0.00	45.03 2.83 0.00	55.84 3.41 0.00	56.41 3.29 0.00	47.79 2.49 0.00	40.98 2.17 0.00	37.31 1.88 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	35.68 1.99 0.00	34.15 1.93 0.00	34.27 1.82 0.00	34.02 1.77 0.00	34.73 1.78 0.00	40.60 2.15 0.00	56.78 3.11 0.00	59.00 3.50 0.00	44.56 2.68 0.00	30.74 1.77 0.00	27.64 1.66 0.00	25.30 1.50 0.00	24.85 1.47 0.00	24.26 1.44 0.00	23.55 1.46 0.00	24.44 1.53 0.00	25.79 1.69 0.00	32.85 2.18 0.00	45.03 2.83 0.00	55.84 3.41 0.00	56.41 3.29 0.00	47.79 2.49 0.00	40.98 2.17 0.00	37.31 1.88 0.00
WHITEHAL_115KV_TB1 80871	35.92 2.22 0.00	34.27 2.06 0.00	34.53 2.08 0.00	34.27 2.03 0.00	35.29 2.34 0.00	41.56 3.11 0.00	58.71 5.04 0.00	60.55 5.05 0.00	45.15 3.27 0.00	30.80 1.83 0.00	27.30 1.32 0.00	24.85 1.05 0.00	24.38 1.01 0.00	23.69 0.87 0.00	22.86 0.77 0.00	23.78 0.87 0.00	25.28 1.18 0.00	32.30 1.63 0.00	44.99 2.79 0.00	56.31 3.88 0.00	57.52 4.41 0.00	48.88 3.58 0.00	41.49 2.68 0.00	37.81 2.37 0.00
WHITEPLN_13_KV_LOAD 356215	36.15 2.46 0.00	34.56 2.35 0.00	34.72 2.27 0.00	34.43 2.19 0.00	35.09 2.14 0.00	41.14 2.69 0.00	57.69 4.02 0.00	59.94 4.44 0.00	45.58 3.31 -0.39	31.83 2.17 -0.68	28.75 2.05 -0.72	26.43 1.83 -0.80	25.87 1.78 -0.72	25.28 1.73 -0.73	24.69 1.74 -0.85	25.54 1.83 -0.80	26.93 2.05 -0.78	33.95 2.61 -0.67	46.04 3.55 -0.29	56.87 4.30 -0.14	57.47 4.25 -0.11	48.66 3.35 0.00	41.68 2.79 -0.07	37.81 2.37 0.00
WM_FLOYD_69_KV_BK2 356380	35.58 1.89 0.00	34.11 1.90 0.00	34.20 1.75 0.00	33.60 1.35 0.00	34.30 1.35 0.00	40.45 2.00 0.00	55.86 2.20 0.00	58.27 2.78 0.00	45.57 3.10 -0.58	32.02 2.03 -1.02	29.04 1.97 -1.09	26.90 1.90 -1.20	26.31 1.85 -1.08	25.72 1.80 -1.10	25.16 1.79 -1.29	26.18 2.06 -1.21	27.47 2.19 -1.18	34.50 2.82 -1.01	46.10 3.46 -0.44	56.99 4.35 -0.21	57.52 4.25 -0.15	48.74 3.44 0.00	41.79 2.87 -0.10	36.96 1.52 0.00
WOODARD__115KV_TB2 355635	33.49 -0.20 0.00	31.99 -0.23 0.00	32.23 -0.23 0.00	32.02 -0.23 0.00	32.75 -0.20 0.00	38.22 -0.23 0.00	53.45 -0.21 0.00	55.22 -0.28 0.00	41.63 -0.25 0.00	28.83 -0.14 0.00	25.79 -0.18 0.00	23.66 -0.14 0.00	23.24 -0.14 0.00	22.71 -0.11 0.00	21.96 -0.13 0.00	22.75 -0.16 0.00	23.86 -0.24 0.00	30.30 -0.37 0.00	41.78 -0.42 0.00	51.96 -0.47 0.00	52.64 -0.48 0.00	44.85 -0.45 0.00	38.38 -0.43 0.00	35.04 -0.39 0.00
YORK___WARBASSE 23770	49.77 2.86 -13.21	35.97 2.80 -0.95	35.16 2.63 -0.08	34.87 2.61 -0.02	35.56 2.60 -0.01	49.43 3.08 -7.91	58.24 4.56 -0.01	60.57 5.05 -0.01	58.14 3.77 -12.48	53.21 2.49 -21.74	52.87 2.29 -24.61	53.31 2.09 -27.42	55.95 2.06 -30.51	56.26 2.01 -31.43	53.60 1.99 -29.53	53.50 2.11 -28.48	53.84 2.29 -27.45	55.11 2.94 -21.50	58.71 3.97 -12.54	61.89 4.82 -4.64	61.32 4.78 -3.43	54.97 3.85 -5.82	58.74 3.26 -16.67	50.19 2.87 -11.89