

# Day Ahead Market Generator LBMP

--- LBMP \$

### --- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

06/17/2025

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	28.80	26.02	23.86	22.28	22.81	26.41	31.88	35.59	37.28	35.75	37.73	38.36	38.73	38.99	38.73	41.06	43.48	46.42	49.76	51.55	48.69	44.02	37.63	32.74
24138	1.88	1.72	1.64	1.59	1.61	1.52	1.72	2.30	2.47	2.31	2.44	2.54	2.57	2.69	2.77	2.86	3.00	3.32	3.34	3.46	3.23	2.88	2.33	2.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	28.77	25.99	23.84	22.25	22.79	26.39	31.85	35.52	37.21	35.69	37.66	38.26	38.66	38.92	38.69	40.98	43.40	46.34	49.72	51.45	48.60	43.98	37.63	32.71
24260	1.86	1.70	1.62	1.57	1.59	1.49	1.69	2.23	2.40	2.24	2.37	2.44	2.50	2.61	2.73	2.79	2.91	3.23	3.30	3.37	3.14	2.84	2.33	2.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	28.77	25.99	23.84	22.25	22.79	26.39	31.85	35.52	37.21	35.69	37.66	38.26	38.66	38.92	38.69	40.98	43.40	46.34	49.72	51.45	48.60	43.98	37.63	32.71
24261	1.86	1.70	1.62	1.57	1.59	1.49	1.69	2.23	2.40	2.24	2.37	2.44	2.50	2.61	2.73	2.79	2.91	3.23	3.30	3.37	3.14	2.84	2.33	2.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	28.72	25.99	23.77	22.11	22.66	26.29	31.69	35.02	36.62	35.02	37.10	37.61	37.86	38.08	37.14	39.45	41.78	44.61	48.00	49.92	47.24	42.83	37.24	32.56
24011	1.80	1.70	1.55	1.43	1.46	1.39	1.54	1.73	1.81	1.57	1.80	1.79	1.70	1.78	1.19	1.26	1.30	1.51	1.58	1.83	1.77	1.69	1.94	1.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	29.23	26.40	24.12	22.40	22.98	26.66	32.18	35.52	37.21	35.55	37.70	38.22	37.53	37.65	37.43	39.99	42.18	45.09	48.46	50.44	47.78	43.24	36.92	33.14
23798	2.32	2.11	1.91	1.72	1.78	1.77	2.02	2.23	2.40	2.11	2.40	2.40	1.37	1.34	1.47	1.80	1.70	1.98	2.04	2.36	2.32	2.10	1.62	2.48
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	28.72	25.99	23.77	22.11	22.66	26.29	31.69	35.02	36.62	35.02	37.10	37.61	37.86	38.08	37.14	39.45	41.78	44.61	48.00	49.92	47.24	42.83	37.24	32.56
24028	1.80	1.70	1.55	1.43	1.46	1.39	1.54	1.73	1.81	1.57	1.80	1.79	1.70	1.78	1.19	1.26	1.30	1.51	1.58	1.83	1.77	1.69	1.94	1.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	28.10	25.46	23.46	21.88	22.40	25.96	31.27	34.82	36.13	34.48	36.46	37.00	37.39	37.50	37.03	39.49	41.82	44.96	48.32	50.01	47.33	42.87	36.75	32.04
23527	1.18	1.17	1.24	1.20	1.21	1.07	1.12	1.53	1.32	1.04	1.16	1.18	1.23	1.20	1.08	1.30	1.33	1.85	1.90	1.93	1.86	1.73	1.45	1.38
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	27.27	24.73	22.66	21.12	21.62	25.14	30.28	33.52	34.95	33.51	35.44	35.93	36.27	36.49	36.24	38.38	40.64	43.41	46.65	48.43	45.78	41.47	35.58	30.97
24190	0.35	0.44	0.44	0.43	0.42	0.25	0.12	0.23	0.14	0.07	0.14	0.11	0.11	0.18	0.29	0.19	0.16	0.30	0.23	0.34	0.32	0.33	0.28	0.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	26.59	24.00	21.95	20.43	20.96	24.85	30.37	33.62	35.19	33.81	35.69	36.18	36.52	36.63	36.24	38.46	40.72	43.41	46.61	48.14	45.47	41.23	35.41	30.54
355683	-0.32	-0.29	-0.27	-0.25	-0.23	-0.05	0.21	0.33	0.38	0.37	0.39	0.36	0.36	0.33	0.29	0.27	0.24	0.30	0.19	0.05	0.00	0.08	0.11	-0.12
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	27.80	25.14	23.06	21.47	21.98	25.59	30.82	34.02	35.40	33.91	35.79	36.32	36.67	36.81	36.50	38.88	41.21	44.05	47.40	49.20	46.56	42.21	36.22	31.52
323833	0.89	0.85	0.84	0.79	0.78	0.70	0.66	0.73	0.59	0.47	0.49	0.50	0.51	0.51	0.54	0.69	0.73	0.95	0.98	1.11	1.09	1.07	0.92	0.86
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	27.80	25.12	23.06	21.45	21.98	25.59	30.79	34.02	35.40	33.91	35.79	36.32	36.67	36.81	36.50	38.88	41.21	44.05	47.40	49.15	46.56	42.17	36.22	31.52
323834	0.89	0.83	0.84	0.77	0.78	0.70	0.63	0.73	0.59	0.47	0.49	0.50	0.51	0.51	0.54	0.69	0.73	0.95	0.98	1.06	1.09	1.03	0.92	0.86
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	27.27	24.73	22.66	21.12	21.62	25.14	30.28	33.52	34.95	33.51	35.44	35.93	36.27	36.49	36.24	38.38	40.64	43.41	46.65	48.43	45.78	41.47	35.58	30.97
23571	0.35	0.44	0.44	0.43	0.42	0.25	0.12	0.23	0.14	0.07	0.14	0.11	0.11	0.18	0.29	0.19	0.16	0.30	0.23	0.34	0.32	0.33	0.28	0.31
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	27.27 0.35 0.00	24.73 0.44 0.00	22.66 0.44 0.00	21.12 0.43 0.00	21.62 0.42 0.00	25.14 0.25 0.00	30.28 0.12 0.00	33.52 0.23 0.00	34.95 0.14 0.00	33.51 0.07 0.00	35.44 0.14 0.00	35.93 0.11 0.00	36.27 0.11 0.00	36.49 0.18 0.00	36.24 0.29 0.00	38.38 0.19 0.00	40.64 0.16 0.00	43.41 0.30 0.00	46.65 0.23 0.00	48.43 0.34 0.00	45.78 0.32 0.00	41.47 0.33 0.00	35.58 0.28 0.00	30.97 0.31 0.00
ALBANY___3 23573	27.27 0.35 0.00	24.73 0.44 0.00	22.66 0.44 0.00	21.12 0.43 0.00	21.62 0.42 0.00	25.14 0.25 0.00	30.28 0.12 0.00	33.52 0.23 0.00	34.95 0.14 0.00	33.51 0.07 0.00	35.44 0.14 0.00	35.93 0.11 0.00	36.27 0.11 0.00	36.49 0.18 0.00	36.24 0.29 0.00	38.38 0.19 0.00	40.64 0.16 0.00	43.41 0.30 0.00	46.65 0.23 0.00	48.43 0.34 0.00	45.78 0.32 0.00	41.47 0.33 0.00	35.58 0.28 0.00	30.97 0.31 0.00
ALBANY___4 23574	27.27 0.35 0.00	24.73 0.44 0.00	22.66 0.44 0.00	21.12 0.43 0.00	21.62 0.42 0.00	25.14 0.25 0.00	30.28 0.12 0.00	33.52 0.23 0.00	34.95 0.14 0.00	33.51 0.07 0.00	35.44 0.14 0.00	35.93 0.11 0.00	36.27 0.11 0.00	36.49 0.18 0.00	36.24 0.29 0.00	38.38 0.19 0.00	40.64 0.16 0.00	43.41 0.30 0.00	46.65 0.23 0.00	48.43 0.34 0.00	45.78 0.32 0.00	41.47 0.33 0.00	35.58 0.28 0.00	30.97 0.31 0.00
ALBANY___LFGE 323615	27.54 0.62 0.00	24.90 0.61 0.00	22.86 0.64 0.00	21.30 0.62 0.00	21.81 0.62 0.00	25.39 0.50 0.00	30.58 0.42 0.00	33.86 0.57 0.00	35.30 0.49 0.00	33.85 0.40 0.00	35.76 0.46 0.00	36.28 0.46 0.00	36.67 0.51 0.00	36.78 0.47 0.00	36.50 0.54 0.00	38.80 0.61 0.00	41.09 0.61 0.00	43.88 0.78 0.00	47.12 0.70 0.00	48.86 0.77 0.00	46.24 0.77 0.00	41.84 0.70 0.00	35.94 0.64 0.00	31.27 0.61 0.00
ALCOA_PA_115KV_PL-6C 55860	26.70 -0.22 0.00	24.10 -0.19 0.00	22.04 -0.18 0.00	20.52 -0.17 0.00	21.05 -0.15 0.00	24.97 0.07 0.00	30.55 0.39 0.00	33.82 0.53 0.00	35.40 0.59 0.00	34.01 0.57 0.00	35.90 0.60 0.00	36.39 0.57 0.00	36.74 0.58 0.00	36.81 0.51 0.00	36.46 0.50 0.00	38.65 0.46 0.00	40.93 0.45 0.00	43.58 0.47 0.00	46.70 0.28 0.00	48.28 0.19 0.00	45.60 0.14 0.00	41.43 0.29 0.00	35.58 0.28 0.00	30.66 0.00 0.00
ALCOA_RYNLDS___DRP 24188	26.70 -0.22 0.00	24.10 -0.19 0.00	22.04 -0.18 0.00	20.52 -0.17 0.00	21.05 -0.15 0.00	24.97 0.07 0.00	30.55 0.39 0.00	33.82 0.53 0.00	35.40 0.59 0.00	34.01 0.57 0.00	35.90 0.60 0.00	36.39 0.57 0.00	36.74 0.58 0.00	36.81 0.51 0.00	36.46 0.50 0.00	38.65 0.46 0.00	40.93 0.45 0.00	43.58 0.47 0.00	46.70 0.28 0.00	48.28 0.19 0.00	45.60 0.14 0.00	41.43 0.29 0.00	35.58 0.28 0.00	30.66 0.00 0.00
ALCOA___DSASP 323711	26.70 -0.22 0.00	24.10 -0.20 0.00	22.04 -0.18 0.00	20.52 -0.17 0.00	21.05 -0.15 0.00	24.97 0.07 0.00	30.55 0.39 0.00	33.82 0.53 0.00	35.44 0.63 0.00	34.01 0.57 0.00	35.90 0.60 0.00	36.39 0.57 0.00	36.74 0.58 0.00	36.81 0.51 0.00	36.42 0.47 0.00	38.65 0.46 0.00	40.93 0.45 0.00	43.58 0.48 0.00	46.75 0.33 0.00	48.28 0.19 0.00	45.60 0.14 0.00	41.43 0.29 0.00	35.58 0.28 0.00	30.69 0.03 0.00
ALLEGHENY___COGEN 23514	28.69 1.78 0.00	26.06 1.77 0.00	23.37 1.15 0.00	21.66 0.97 0.00	22.19 1.00 0.00	26.04 1.15 0.00	30.85 0.69 0.00	33.82 0.53 0.00	35.30 0.49 0.00	33.88 0.43 0.00	35.37 0.07 0.00	35.89 0.07 0.00	36.20 0.04 0.00	36.56 0.26 0.00	36.24 0.29 0.00	38.35 0.15 0.00	39.71 -0.77 0.00	41.98 -1.12 0.00	46.51 0.09 0.00	49.10 1.01 0.00	46.79 1.32 0.00	41.89 0.74 0.00	37.10 1.80 0.00	32.56 1.90 0.00
ALTAMONT_115KV_TB 2 55880	27.62 0.70 0.00	25.00 0.70 0.00	22.90 0.69 0.00	21.32 0.64 0.00	21.85 0.66 0.00	25.44 0.55 0.00	30.67 0.51 0.00	33.96 0.67 0.00	35.44 0.63 0.00	33.95 0.50 0.00	35.86 0.56 0.00	36.43 0.61 0.00	36.74 0.58 0.00	36.96 0.65 0.00	36.68 0.72 0.00	38.88 0.69 0.00	41.21 0.73 0.00	43.97 0.86 0.00	47.30 0.88 0.00	49.10 1.01 0.00	46.42 0.95 0.00	42.05 0.91 0.00	36.04 0.74 0.00	31.33 0.67 0.00
ALTONA_WT_PWR 323606	26.67 -0.24 0.00	24.07 -0.22 0.00	22.04 -0.18 0.00	20.52 -0.17 0.00	21.05 -0.15 0.00	24.97 0.07 0.00	30.52 0.36 0.00	33.86 0.57 0.00	35.54 0.73 0.00	34.11 0.67 0.00	36.00 0.71 0.00	36.46 0.65 0.00	36.77 0.61 0.00	36.85 0.55 0.00	36.42 0.47 0.00	38.57 0.38 0.00	40.77 0.29 0.00	43.45 0.34 0.00	46.75 0.33 0.00	48.23 0.14 0.00	45.51 0.05 0.00	41.18 0.04 0.00	35.30 0.00 0.00	30.45 -0.21 0.00
AMERICAN_REF_FUEL 24010	27.24 0.32 0.00	24.97 0.68 0.00	22.10 -0.11 0.00	20.50 -0.19 0.00	20.94 -0.25 0.00	24.67 -0.22 0.00	28.89 -1.27 0.00	31.36 -1.93 0.00	33.35 -1.46 0.00	32.41 -1.04 0.00	33.85 -1.45 0.00	34.46 -1.36 0.00	34.75 -1.41 0.00	35.40 -0.91 0.00	35.09 -0.86 0.00	36.66 -1.53 0.00	39.23 -1.26 0.00	40.91 -2.20 0.00	44.89 -1.53 0.00	46.84 -1.25 0.00	44.19 -1.27 0.00	39.91 -1.23 0.00	34.45 -0.85 0.00	30.72 0.06 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	27.62 0.70 0.00	25.17 0.87 0.00	22.35 0.13 0.00	20.72 0.04 0.00	21.18 -0.02 0.00	25.02 0.13 0.00	29.61 -0.54 0.00	32.32 -0.97 0.00	34.46 -0.35 0.00	33.55 0.10 0.00	35.16 -0.14 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.74 0.44 0.00	36.39 0.43 0.00	38.12 -0.08 0.00	40.89 0.40 0.00	42.41 -0.69 0.00	46.56 0.14 0.00	48.57 0.48 0.00	45.60 0.14 0.00	41.10 -0.04 0.00	35.19 -0.11 0.00	31.12 0.46 0.00
ARTHUR KILL_GT_1 23520	28.92 1.99 -0.01	26.09 1.80 0.00	23.90 1.69 0.00	22.32 1.63 0.00	22.83 1.63 0.00	26.36 1.47 0.00	31.79 1.63 0.00	35.42 2.13 0.00	37.07 2.26 0.00	35.62 2.17 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.66 2.50 0.00	38.96 2.65 0.00	38.81 2.84 -0.01	40.92 2.71 -0.02	43.23 2.71 -0.04	45.88 2.72 -0.06	49.24 2.79 -0.04	51.33 3.22 -0.02	48.62 3.14 -0.01	44.07 2.92 -0.01	37.78 2.47 -0.01	32.87 2.21 -0.01
ARTHUR_KILL_2 23512	28.84 1.91 -0.01	25.95 1.65 0.00	23.86 1.64 0.00	22.25 1.57 0.00	22.79 1.59 0.00	26.29 1.39 0.00	31.69 1.54 0.00	35.35 2.06 0.00	36.86 2.05 0.00	35.49 2.04 0.00	37.42 2.12 0.00	38.08 2.26 0.00	38.58 2.42 0.00	38.70 2.40 0.00	38.48 2.52 -0.01	40.69 2.48 -0.02	43.03 2.51 -0.04	45.70 2.54 -0.05	49.01 2.55 -0.04	51.00 2.89 -0.02	48.35 2.87 -0.01	43.79 2.64 -0.01	37.78 2.47 -0.01	32.81 2.15 -0.01
ARTHUR_KILL_3 23513	28.53 1.61 0.00	25.68 1.38 0.00	23.64 1.42 0.00	22.09 1.41 0.00	22.60 1.40 0.00	26.16 1.27 0.00	31.57 1.42 0.00	35.22 1.93 0.00	36.79 1.98 0.00	35.35 1.91 0.00	37.20 1.90 0.00	37.86 2.04 0.00	38.33 2.17 0.00	38.41 2.10 0.00	38.12 2.16 0.00	40.57 2.37 -0.01	42.98 2.47 -0.03	45.99 2.84 -0.04	49.24 2.79 -0.03	50.84 2.74 -0.01	48.11 2.64 -0.01	43.41 2.26 0.00	37.38 2.08 0.00	32.47 1.81 0.00



ARTHUR_KILL_COGEN 323718	28.92 1.99 -0.01	26.02 1.72 0.00	23.90 1.69 0.00	22.32 1.63 0.00	22.83 1.63 0.00	26.36 1.47 0.00	31.78 1.63 0.00	35.42 2.13 0.00	36.93 2.12 0.00	35.59 2.14 0.00	37.49 2.19 0.00	38.18 2.36 0.00	38.69 2.53 0.00	38.81 2.50 0.00	38.59 2.62 -0.01	40.85 2.63 -0.02	43.15 2.63 -0.04	45.87 2.72 -0.05	49.20 2.74 -0.04	51.14 3.03 -0.02	48.53 3.05 -0.01	43.95 2.80 -0.01	37.88 2.58 -0.01	32.90 2.24 -0.01
ASHOKAN____ 23654	28.45 1.53 0.00	25.65 1.36 0.00	23.55 1.33 0.00	21.90 1.22 0.00	22.43 1.23 0.00	26.04 1.15 0.00	31.33 1.17 0.00	34.66 1.37 0.00	36.06 1.25 0.00	34.52 1.07 0.00	36.22 0.92 0.00	36.86 1.04 0.00	37.21 1.05 0.00	37.36 1.05 0.00	37.11 1.15 0.00	39.53 1.34 0.00	42.02 1.54 0.00	45.17 2.07 0.00	48.60 2.18 0.00	50.44 2.36 0.00	47.78 2.32 0.00	43.16 2.02 0.00	37.03 1.73 0.00	32.25 1.59 0.00
ASTORIA_EAST_ENERGY_CC1 323581	28.48 1.56 0.00	25.60 1.31 0.01	23.54 1.33 0.01	22.00 1.32 0.01	22.50 1.31 0.01	26.03 1.15 0.01	31.44 1.30 0.01	35.08 1.80 0.01	36.64 1.84 0.01	35.24 1.80 0.01	37.16 1.87 0.01	37.82 2.00 0.01	38.29 2.13 0.01	38.37 2.07 0.01	38.11 2.16 0.01	40.44 2.25 0.01	42.82 2.35 0.01	45.73 2.63 0.01	48.87 2.46 0.01	50.48 2.40 0.01	47.82 2.36 0.01	43.23 2.10 0.01	37.27 1.98 0.01	32.44 1.78 0.00
ASTORIA_EAST_ENERGY_CC2 323582	28.48 1.56 0.00	25.60 1.31 0.01	23.54 1.33 0.01	22.00 1.32 0.01	22.50 1.31 0.01	26.03 1.15 0.01	31.44 1.30 0.01	35.08 1.80 0.01	36.64 1.84 0.01	35.24 1.80 0.01	37.16 1.87 0.01	37.82 2.00 0.01	38.29 2.13 0.01	38.37 2.07 0.01	38.11 2.16 0.01	40.44 2.25 0.01	42.82 2.35 0.01	45.73 2.63 0.01	48.87 2.46 0.01	50.48 2.40 0.01	47.82 2.36 0.01	43.23 2.10 0.01	37.27 1.98 0.01	32.44 1.78 0.00
ASTORIA_GT2_1 24094	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT2_2 24095	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT2_3 24096	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT2_4 24097	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT3_1 24098	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT3_2 24099	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT3_3 24100	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT3_4 24101	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT4_1 24102	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT4_2 24103	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT4_3 24104	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00



ASTORIA_GT4_4 24105	28.48 1.56 0.00	25.70 1.41 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.06 1.17 0.00	31.45 1.30 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.37 2.41 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.41 2.26 0.00	37.21 1.91 0.00	32.41 1.75 0.00
ASTORIA_GT_1 23523	28.53 1.62 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.09 1.19 0.00	31.51 1.36 0.00	35.15 1.86 0.00	36.90 2.09 0.00	35.39 1.94 0.00	37.38 2.08 0.00	37.97 2.15 0.00	38.37 2.21 0.00	38.63 2.32 0.00	38.44 2.48 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.86 2.76 0.00	49.07 2.65 0.00	50.83 2.74 0.00	48.01 2.55 0.00	43.49 2.35 0.00	37.28 1.98 0.00	32.47 1.81 0.00
ASTORIA_GT_10 24110	28.59 1.67 0.00	25.82 1.53 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.93 2.12 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.40 2.24 0.00	38.66 2.36 0.00	38.44 2.48 0.00	40.64 2.44 0.00	43.03 2.55 0.00	45.91 2.80 0.00	49.16 2.74 0.00	50.93 2.84 0.00	48.10 2.64 0.00	43.57 2.43 0.00	37.35 2.05 0.00	32.53 1.87 0.00
ASTORIA_GT_11 24225	28.59 1.67 0.00	25.82 1.53 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.93 2.12 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.40 2.24 0.00	38.66 2.36 0.00	38.44 2.48 0.00	40.64 2.44 0.00	43.03 2.55 0.00	45.91 2.80 0.00	49.16 2.74 0.00	50.93 2.84 0.00	48.10 2.64 0.00	43.57 2.43 0.00	37.35 2.05 0.00	32.53 1.87 0.00
ASTORIA_GT_12 24226	28.59 1.67 0.00	25.82 1.53 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.93 2.12 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.40 2.24 0.00	38.66 2.36 0.00	38.44 2.48 0.00	40.64 2.44 0.00	43.03 2.55 0.00	45.91 2.80 0.00	49.16 2.74 0.00	50.93 2.84 0.00	48.10 2.64 0.00	43.57 2.43 0.00	37.35 2.05 0.00	32.53 1.87 0.00
ASTORIA_GT_13 24227	28.59 1.67 0.00	25.82 1.53 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.93 2.12 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.40 2.24 0.00	38.66 2.36 0.00	38.44 2.48 0.00	40.64 2.44 0.00	43.03 2.55 0.00	45.91 2.80 0.00	49.16 2.74 0.00	50.93 2.84 0.00	48.10 2.64 0.00	43.57 2.43 0.00	37.35 2.05 0.00	32.53 1.87 0.00
ASTORIA_GT_5 24106	28.53 1.62 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.09 1.19 0.00	31.51 1.36 0.00	35.15 1.86 0.00	36.90 2.09 0.00	35.39 1.94 0.00	37.38 2.08 0.00	37.97 2.15 0.00	38.37 2.21 0.00	38.63 2.32 0.00	38.44 2.48 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.86 2.76 0.00	49.07 2.65 0.00	50.83 2.74 0.00	48.01 2.55 0.00	43.49 2.35 0.00	37.28 1.98 0.00	32.47 1.81 0.00
ASTORIA_GT_7 24107	28.53 1.62 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.09 1.19 0.00	31.51 1.36 0.00	35.15 1.86 0.00	36.90 2.09 0.00	35.39 1.94 0.00	37.38 2.08 0.00	37.97 2.15 0.00	38.37 2.21 0.00	38.63 2.32 0.00	38.44 2.48 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.86 2.76 0.00	49.07 2.65 0.00	50.83 2.74 0.00	48.01 2.55 0.00	43.49 2.35 0.00	37.28 1.98 0.00	32.47 1.81 0.00
ASTORIA_GT_8 24108	28.53 1.62 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.09 1.19 0.00	31.51 1.36 0.00	35.15 1.86 0.00	36.90 2.09 0.00	35.39 1.94 0.00	37.38 2.08 0.00	37.97 2.15 0.00	38.37 2.21 0.00	38.63 2.32 0.00	38.44 2.48 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.86 2.76 0.00	49.07 2.65 0.00	50.83 2.74 0.00	48.01 2.55 0.00	43.49 2.35 0.00	37.28 1.98 0.00	32.47 1.81 0.00
ASTORIA___2 24149	28.48 1.56 0.00	25.60 1.31 0.01	23.56 1.36 0.01	22.00 1.32 0.01	22.53 1.34 0.01	26.06 1.17 0.01	31.44 1.30 0.01	35.11 1.83 0.01	36.68 1.88 0.01	35.28 1.84 0.01	37.20 1.90 0.01	37.82 2.00 0.01	38.32 2.17 0.01	38.40 2.10 0.01	38.14 2.19 0.01	40.44 2.25 0.01	42.86 2.39 0.01	45.73 2.63 0.01	48.87 2.46 0.01	50.53 2.45 0.01	47.82 2.36 0.01	43.23 2.10 0.01	37.30 2.01 0.01	32.47 1.81 0.00
ASTORIA___3 23516	28.59 1.67 0.00	25.75 1.46 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.79 1.98 0.00	35.39 1.94 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.26 2.30 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.90 2.80 0.00	49.07 2.64 0.00	50.73 2.64 0.00	48.01 2.54 0.00	43.41 2.26 0.00	37.45 2.15 0.00	32.56 1.90 0.00
ASTORIA___4 23517	28.59 1.67 0.00	25.82 1.53 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.93 2.12 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.40 2.24 0.00	38.66 2.36 0.00	38.44 2.48 0.00	40.64 2.44 0.00	43.03 2.55 0.00	45.91 2.80 0.00	49.16 2.74 0.00	50.93 2.84 0.00	48.10 2.64 0.00	43.57 2.43 0.00	37.35 2.05 0.00	32.53 1.87 0.00
ASTORIA___5 23518	28.59 1.67 0.00	25.75 1.46 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.79 1.98 0.00	35.39 1.94 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.26 2.30 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.90 2.80 0.00	49.07 2.64 0.00	50.73 2.64 0.00	48.01 2.54 0.00	43.41 2.26 0.00	37.45 2.15 0.00	32.56 1.90 0.00
AST_ENERGY_2_CC3 323677	27.49 1.64 1.07	25.75 1.46 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	28.49 1.45 3.11	30.30 1.96 4.95	30.30 1.98 6.49	28.83 1.91 6.52	32.48 1.94 4.76	33.14 2.08 4.76	33.57 2.21 4.79	33.65 2.14 4.79	33.36 2.19 4.79	35.80 2.37 4.76	31.13 2.51 11.86	33.77 2.84 12.18	37.08 2.79 12.13	38.75 2.79 12.12	36.02 2.68 12.13	36.95 2.34 6.54	33.28 2.12 4.14	31.13 1.87 1.40
AST_ENERGY_2_CC4 323678	27.49 1.64 1.07	25.75 1.46 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	28.49 1.45 3.11	30.30 1.96 4.95	30.30 1.98 6.49	28.83 1.91 6.52	32.48 1.94 4.76	33.14 2.08 4.76	33.57 2.21 4.79	33.65 2.14 4.79	33.36 2.19 4.79	35.80 2.37 4.76	31.13 2.51 11.86	33.77 2.84 12.18	37.08 2.79 12.13	38.75 2.79 12.12	36.02 2.68 12.13	36.95 2.34 6.54	33.28 2.12 4.14	31.13 1.87 1.40



ATHENS_STG_1 23668	27.83 0.92 0.00	25.14 0.85 0.00	23.08 0.87 0.00	21.53 0.85 0.00	22.05 0.85 0.00	25.62 0.72 0.00	30.79 0.63 0.00	34.15 0.86 0.00	35.61 0.80 0.00	34.18 0.73 0.00	36.07 0.78 0.00	36.64 0.82 0.00	37.03 0.87 0.00	37.17 0.87 0.00	36.82 0.86 0.00	39.18 0.99 0.00	41.53 1.05 0.00	44.36 1.25 0.00	47.63 1.20 0.00	49.34 1.25 0.00	46.69 1.23 0.00	42.26 1.11 0.00	36.25 0.95 0.00	31.55 0.89 0.00
ATHENS_STG_2 23670	27.83 0.92 0.00	25.14 0.85 0.00	23.08 0.87 0.00	21.53 0.85 0.00	22.05 0.85 0.00	25.62 0.72 0.00	30.79 0.63 0.00	34.15 0.86 0.00	35.61 0.80 0.00	34.18 0.73 0.00	36.07 0.78 0.00	36.64 0.82 0.00	37.03 0.87 0.00	37.17 0.87 0.00	36.82 0.86 0.00	39.18 0.99 0.00	41.53 1.05 0.00	44.36 1.25 0.00	47.63 1.20 0.00	49.34 1.25 0.00	46.69 1.23 0.00	42.26 1.11 0.00	36.25 0.95 0.00	31.55 0.89 0.00
ATHENS_STG_3 23677	27.83 0.92 0.00	25.14 0.85 0.00	23.08 0.87 0.00	21.53 0.85 0.00	22.05 0.85 0.00	25.62 0.72 0.00	30.79 0.63 0.00	34.15 0.86 0.00	35.61 0.80 0.00	34.18 0.73 0.00	36.07 0.78 0.00	36.64 0.82 0.00	37.03 0.87 0.00	37.17 0.87 0.00	36.82 0.86 0.00	39.18 0.99 0.00	41.53 1.05 0.00	44.36 1.25 0.00	47.63 1.20 0.00	49.34 1.25 0.00	46.69 1.23 0.00	42.26 1.11 0.00	36.25 0.95 0.00	31.55 0.89 0.00
AUBURN___LFGE 323710	27.37 0.46 0.00	24.68 0.39 0.00	22.48 0.27 0.00	20.89 0.21 0.00	21.43 0.23 0.00	25.12 0.22 0.00	30.25 0.09 0.00	33.22 -0.07 0.00	34.74 -0.07 0.00	33.61 0.17 0.00	35.40 0.11 0.00	35.96 0.14 0.00	36.34 0.18 0.00	36.45 0.15 0.00	36.06 0.11 0.00	38.42 0.23 0.00	40.81 0.32 0.00	43.28 0.17 0.00	46.84 0.42 0.00	48.52 0.43 0.00	45.97 0.50 0.00	41.43 0.29 0.00	35.58 0.28 0.00	31.00 0.34 0.00
BABYLON_RES_REC 323704	29.40 2.47 -0.01	26.41 2.11 -0.01	24.40 2.18 -0.01	22.76 2.07 -0.01	23.34 2.14 -0.01	26.76 1.87 0.00	32.15 1.99 0.00	35.89 2.60 0.00	36.79 1.98 0.00	35.65 2.21 0.00	37.63 2.33 0.00	38.36 2.54 0.00	38.80 2.64 0.00	39.04 2.72 -0.01	38.80 2.84 -0.01	41.06 2.87 0.00	43.85 3.36 -0.01	46.82 3.71 -0.01	50.37 3.94 -0.01	51.70 3.61 0.00	49.07 3.59 -0.01	44.65 3.50 -0.01	38.23 2.93 0.00	33.46 2.79 -0.01
BALL_HILL_WT_PWR 323825	27.64 0.73 0.00	25.24 0.95 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	25.02 0.13 0.00	29.55 -0.60 0.00	32.16 -1.13 0.00	34.18 -0.63 0.00	33.25 -0.20 0.00	34.80 -0.49 0.00	35.43 -0.39 0.00	35.76 -0.40 0.00	36.38 0.07 0.00	36.03 0.07 0.00	37.77 -0.42 0.00	40.48 0.00 0.00	42.11 -0.99 0.00	46.19 -0.23 0.00	48.23 0.14 0.00	45.38 -0.09 0.00	40.98 -0.16 0.00	35.23 -0.07 0.00	31.24 0.58 0.00
BARON_WINDS___WT_PWR 323822	27.56 0.64 0.00	25.05 0.75 0.00	22.50 0.29 0.00	20.87 0.19 0.00	21.37 0.17 0.00	25.09 0.20 0.00	29.88 -0.27 0.00	32.66 -0.63 0.00	34.29 -0.52 0.00	33.21 -0.23 0.00	34.80 -0.49 0.00	35.35 -0.47 0.00	35.65 -0.51 0.00	36.09 -0.22 0.00	35.71 -0.25 0.00	37.69 -0.50 0.00	40.20 -0.28 0.00	42.24 -0.86 0.00	46.19 -0.23 0.00	48.23 0.14 0.00	45.51 0.05 0.00	41.10 -0.04 0.00	35.34 0.04 0.00	31.06 0.40 0.00
BARRETT_IC_1 23704	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_10 23701	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_11 23702	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_12 23703	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_2 23705	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_3 23706	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_4 23707	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_5 23708	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01



BARRETT_IC_6 23709	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_7 23710	29.10 2.18 0.00	26.31 2.02 0.00	24.12 1.91 0.00	22.50 1.82 0.00	23.04 1.84 0.00	26.54 1.64 0.00	31.91 1.75 0.00	35.52 2.23 0.00	37.04 2.23 0.00	35.55 2.11 0.00	37.66 2.37 0.00	38.22 2.40 0.00	38.55 2.39 0.00	38.92 2.61 0.00	38.65 2.70 0.00	40.87 2.67 0.00	43.44 2.96 0.00	46.38 3.28 0.00	49.76 3.34 0.00	51.65 3.56 0.00	48.79 3.32 0.00	44.19 3.04 0.00	37.77 2.47 0.00	33.02 2.36 0.00
BARRETT_IC_8 23711	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT_IC_9 23700	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT___1 23545	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BARRETT___2 23546	29.10 2.18 -0.01	26.15 1.85 -0.01	24.13 1.91 -0.01	22.51 1.82 -0.01	23.05 1.84 -0.01	26.54 1.64 0.00	31.91 1.75 0.00	35.55 2.26 0.00	36.55 1.74 0.00	35.42 1.97 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.40 2.24 0.00	38.60 2.29 -0.01	38.37 2.41 -0.01	40.60 2.41 0.00	43.28 2.79 -0.01	46.17 3.06 -0.01	49.63 3.20 -0.01	50.97 2.89 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.84 2.54 0.00	33.06 2.39 -0.01
BATAVIA___115KV_TB1 55881	28.26 1.35 0.00	25.51 1.21 0.00	22.97 0.76 0.00	21.26 0.58 0.00	21.75 0.55 0.00	25.57 0.67 0.00	30.04 -0.12 0.00	33.09 -0.20 0.00	34.77 -0.03 0.00	33.98 0.54 0.00	35.37 0.07 0.00	36.11 0.29 0.00	36.52 0.36 0.00	36.45 0.15 0.00	35.88 -0.07 0.00	38.42 0.23 0.00	41.05 0.57 0.00	43.23 0.13 0.00	47.44 1.02 0.00	48.95 0.87 0.00	46.47 1.00 0.00	41.56 0.41 0.00	36.22 0.92 0.00	31.76 1.10 0.00
BAYONEEC___CTG1 323682	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BAYONEEC___CTG10 323750	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BAYONEEC___CTG2 323683	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BAYONEEC___CTG3 323684	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BAYONEEC___CTG4 323685	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BAYONEEC___CTG5 323686	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BAYONEEC___CTG6 323687	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BAYONEEC___CTG7 323688	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00



BAYONEEC___CTG8 323689	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BAYONEEC___CTG9 323749	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.86 2.05 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.56 1.90 0.00
BEACON___LESR 323632	27.67 0.75 0.00	25.00 0.70 0.00	22.95 0.73 0.00	21.36 0.68 0.00	21.87 0.68 0.00	25.47 0.57 0.00	30.70 0.54 0.00	33.99 0.70 0.00	35.44 0.63 0.00	33.98 0.53 0.00	35.90 0.60 0.00	36.43 0.61 0.00	36.77 0.61 0.00	36.92 0.62 0.00	36.64 0.68 0.00	39.03 0.84 0.00	41.33 0.85 0.00	44.18 1.08 0.00	47.44 1.02 0.00	49.20 1.11 0.00	46.51 1.05 0.00	42.13 0.99 0.00	36.15 0.85 0.00	31.43 0.77 0.00
BEAVER RIVER___HYD 24048	27.40 0.49 0.00	24.71 0.41 0.00	22.59 0.38 0.00	20.99 0.31 0.00	21.56 0.36 0.00	25.32 0.42 0.00	30.73 0.57 0.00	34.02 0.73 0.00	35.50 0.70 0.00	33.98 0.53 0.00	35.94 0.64 0.00	36.14 0.32 0.00	36.45 0.29 0.00	36.49 0.18 0.00	36.10 0.14 0.00	38.38 0.19 0.00	40.69 0.20 0.00	43.23 0.13 0.00	46.75 0.33 0.00	48.67 0.58 0.00	46.10 0.64 0.00	41.89 0.74 0.00	35.86 0.56 0.00	31.00 0.34 0.00
BEEBEE_GT_13 23619	27.64 0.73 0.00	24.90 0.61 0.00	22.53 0.31 0.00	20.89 0.21 0.00	21.39 0.19 0.00	25.09 0.20 0.00	29.79 -0.36 0.00	32.79 -0.50 0.00	34.43 -0.38 0.00	33.55 0.10 0.00	35.12 -0.18 0.00	35.82 0.00 0.00	36.20 0.04 0.00	36.20 -0.11 0.00	35.74 -0.22 0.00	38.15 -0.04 0.00	40.64 0.16 0.00	42.93 -0.17 0.00	46.79 0.37 0.00	48.28 0.19 0.00	45.74 0.27 0.00	41.06 -0.08 0.00	35.62 0.32 0.00	31.18 0.52 0.00
BENSHRST_27_KV_BENSHRST_1 355998	28.92 1.99 -0.01	26.09 1.80 0.00	23.90 1.69 0.00	22.32 1.63 0.00	22.83 1.63 0.00	26.39 1.49 0.00	31.85 1.69 0.00	35.52 2.23 0.00	37.21 2.40 0.00	35.75 2.31 0.00	37.73 2.44 0.00	38.36 2.54 0.00	38.76 2.60 0.00	39.06 2.76 0.00	38.88 2.91 -0.01	41.08 2.86 -0.02	43.47 2.96 -0.04	46.35 3.19 -0.06	49.66 3.20 -0.04	51.52 3.41 -0.02	48.71 3.23 -0.01	44.11 2.96 -0.01	37.81 2.51 -0.01	32.91 2.24 -0.01
BETHLEHEM___GRP 23843	27.27 0.35 0.00	24.73 0.44 0.00	22.66 0.44 0.00	21.12 0.43 0.00	21.62 0.42 0.00	25.14 0.25 0.00	30.28 0.12 0.00	33.52 0.23 0.00	34.95 0.14 0.00	33.51 0.07 0.00	35.44 0.14 0.00	35.93 0.11 0.00	36.27 0.11 0.00	36.49 0.18 0.00	36.24 0.29 0.00	38.38 0.19 0.00	40.64 0.16 0.00	43.41 0.30 0.00	46.65 0.23 0.00	48.43 0.34 0.00	45.78 0.32 0.00	41.47 0.33 0.00	35.58 0.28 0.00	30.97 0.31 0.00
BETHLEHEM___GS1 323560	27.27 0.35 0.00	24.68 0.39 0.00	22.66 0.44 0.00	21.12 0.44 0.00	21.62 0.42 0.00	25.14 0.25 0.00	30.28 0.12 0.00	33.52 0.23 0.00	34.91 0.10 0.00	33.51 0.07 0.00	35.37 0.07 0.00	35.89 0.07 0.00	36.27 0.11 0.00	36.41 0.11 0.00	36.10 0.14 0.00	38.35 0.15 0.00	40.60 0.12 0.00	43.45 0.34 0.00	46.65 0.23 0.00	48.33 0.24 0.00	45.74 0.27 0.00	41.39 0.25 0.00	35.58 0.28 0.00	30.97 0.31 0.00
BETHLEHEM___GS2 323561	27.27 0.35 0.00	24.68 0.39 0.00	22.66 0.44 0.00	21.12 0.44 0.00	21.62 0.42 0.00	25.14 0.25 0.00	30.28 0.12 0.00	33.52 0.23 0.00	34.91 0.10 0.00	33.51 0.07 0.00	35.37 0.07 0.00	35.89 0.07 0.00	36.27 0.11 0.00	36.41 0.11 0.00	36.10 0.14 0.00	38.35 0.15 0.00	40.60 0.12 0.00	43.45 0.34 0.00	46.65 0.23 0.00	48.33 0.24 0.00	45.74 0.27 0.00	41.39 0.25 0.00	35.58 0.28 0.00	30.97 0.31 0.00
BETHLEHEM___GS3 323562	27.27 0.35 0.00	24.68 0.39 0.00	22.66 0.44 0.00	21.12 0.44 0.00	21.62 0.42 0.00	25.14 0.25 0.00	30.28 0.12 0.00	33.52 0.23 0.00	34.91 0.10 0.00	33.51 0.07 0.00	35.37 0.07 0.00	35.89 0.07 0.00	36.27 0.11 0.00	36.41 0.11 0.00	36.10 0.14 0.00	38.35 0.15 0.00	40.60 0.12 0.00	43.45 0.34 0.00	46.65 0.23 0.00	48.33 0.24 0.00	45.74 0.27 0.00	41.39 0.25 0.00	35.58 0.28 0.00	30.97 0.31 0.00
BETHLEHEM___STEEL 23779	27.64 0.73 0.00	24.92 0.63 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	24.99 0.10 0.00	29.49 -0.66 0.00	32.09 -1.20 0.00	33.73 -1.08 0.00	33.08 -0.37 0.00	34.35 -0.95 0.00	35.10 -0.72 0.00	35.55 -0.61 0.00	35.54 -0.76 0.00	35.02 -0.93 0.00	37.50 -0.69 0.00	40.08 -0.40 0.00	41.98 -1.12 0.00	46.00 -0.42 0.00	47.46 -0.63 0.00	45.10 -0.36 0.00	40.32 -0.82 0.00	35.23 -0.07 0.00	30.94 0.28 0.00
BETHLHEM_115KV_TB1 79974	27.35 0.43 0.00	24.78 0.49 0.00	22.70 0.49 0.00	21.16 0.48 0.00	21.66 0.47 0.00	25.22 0.32 0.00	30.37 0.21 0.00	33.59 0.30 0.00	35.05 0.24 0.00	33.58 0.13 0.00	35.51 0.21 0.00	36.03 0.21 0.00	36.38 0.22 0.00	36.56 0.25 0.00	36.32 0.36 0.00	38.46 0.27 0.00	40.77 0.28 0.00	43.54 0.43 0.00	46.79 0.37 0.00	48.52 0.43 0.00	45.92 0.45 0.00	41.60 0.45 0.00	35.69 0.39 0.00	31.06 0.40 0.00
BETHPAGE_CC_5 323564	29.32 2.39 -0.01	26.34 2.04 -0.01	24.33 2.11 -0.01	22.70 2.01 -0.01	23.26 2.06 -0.01	26.71 1.82 0.00	32.09 1.93 0.00	35.72 2.43 0.00	36.72 1.91 0.00	35.59 2.14 0.00	37.56 2.26 0.00	38.29 2.47 0.00	38.73 2.57 0.00	38.93 2.62 -0.01	38.70 2.73 -0.01	40.94 2.75 0.00	43.73 3.24 -0.01	46.65 3.54 -0.01	50.14 3.72 -0.01	51.50 3.41 0.00	48.84 3.36 -0.01	44.40 3.25 -0.01	38.06 2.76 0.00	33.33 2.67 -0.01
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	27.67 0.75 0.00	24.92 0.63 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	24.99 0.10 0.00	29.52 -0.63 0.00	32.12 -1.17 0.00	33.76 -1.04 0.00	33.11 -0.33 0.00	34.38 -0.92 0.00	35.14 -0.68 0.00	35.62 -0.54 0.00	35.62 -0.69 0.00	35.09 -0.86 0.00	37.58 -0.61 0.00	40.20 -0.28 0.00	42.07 -1.03 0.00	46.10 -0.32 0.00	47.56 -0.53 0.00	45.19 -0.27 0.00	40.40 -0.74 0.00	35.26 -0.04 0.00	30.97 0.31 0.00
BINGHAMTON___COGEN 23790	27.56 0.65 0.00	24.88 0.58 0.00	22.66 0.44 0.00	21.08 0.39 0.00	21.60 0.40 0.00	25.27 0.37 0.00	30.37 0.21 0.00	33.42 0.13 0.00	34.91 0.10 0.00	33.71 0.27 0.00	35.44 0.14 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.52 0.22 0.00	36.17 0.22 0.00	38.50 0.31 0.00	40.89 0.40 0.00	43.36 0.26 0.00	46.93 0.51 0.00	48.67 0.58 0.00	46.01 0.55 0.00	41.56 0.41 0.00	35.69 0.39 0.00	31.09 0.43 0.00



BIXINCNT_115KV_LOAD 355685	27.46 0.54 0.00	24.75 0.46 0.00	22.28 0.07 0.00	20.64 -0.04 0.00	21.07 -0.13 0.00	24.85 -0.05 0.00	29.37 -0.78 0.00	31.96 -1.33 0.00	33.45 -1.36 0.00	32.74 -0.70 0.00	34.10 -1.20 0.00	34.82 -1.00 0.00	35.29 -0.87 0.00	35.40 -0.91 0.00	34.95 -1.01 0.00	37.50 -0.69 0.00	40.08 -0.40 0.00	42.07 -1.03 0.00	46.05 -0.37 0.00	47.66 -0.43 0.00	45.10 -0.36 0.00	40.28 -0.86 0.00	35.09 -0.21 0.00	30.72 0.06 0.00
BLACK RIVER___HYD 24047	27.75 0.84 0.00	25.02 0.73 0.00	22.86 0.64 0.00	21.22 0.54 0.00	21.79 0.59 0.00	25.57 0.67 0.00	30.94 0.78 0.00	34.29 1.00 0.00	35.75 0.94 0.00	34.22 0.77 0.00	36.22 0.92 0.00	36.46 0.65 0.00	36.70 0.54 0.00	36.78 0.47 0.00	36.35 0.40 0.00	38.65 0.46 0.00	40.97 0.49 0.00	43.58 0.48 0.00	47.30 0.88 0.00	49.39 1.30 0.00	46.83 1.36 0.00	42.54 1.40 0.00	36.32 1.02 0.00	31.43 0.77 0.00
BLACKRVR_115KV_TB2 79977	27.75 0.83 0.00	24.97 0.68 0.00	22.86 0.64 0.00	21.22 0.54 0.00	21.79 0.59 0.00	25.57 0.67 0.00	30.94 0.78 0.00	34.29 1.00 0.00	35.71 0.91 0.00	34.22 0.77 0.00	36.18 0.88 0.00	36.46 0.64 0.00	36.70 0.54 0.00	36.70 0.40 0.00	36.28 0.32 0.00	38.65 0.46 0.00	40.97 0.49 0.00	43.58 0.47 0.00	47.30 0.88 0.00	49.34 1.25 0.00	46.83 1.36 0.00	42.50 1.36 0.00	36.32 1.02 0.00	31.43 0.77 0.00
BLDWN_LI_69_KV_BK4 356085	29.29 2.37 0.00	26.50 2.21 0.00	24.28 2.07 0.00	22.65 1.96 0.00	23.19 1.99 0.00	26.69 1.79 0.00	32.09 1.93 0.00	35.75 2.46 0.00	37.31 2.51 0.00	35.82 2.37 0.00	38.02 2.72 0.00	38.58 2.76 0.00	38.91 2.75 0.00	39.28 2.98 0.00	39.01 3.06 0.00	41.29 3.09 0.00	43.92 3.44 0.00	46.94 3.84 0.00	50.41 3.99 0.00	52.27 4.18 0.00	49.38 3.91 0.00	44.68 3.54 0.00	38.09 2.79 0.00	33.30 2.64 0.00
BLISS_WT_PWR 323608	27.37 0.46 0.00	24.95 0.66 0.00	22.21 0.00 0.00	20.58 -0.10 0.00	21.01 -0.19 0.00	24.77 -0.12 0.00	29.28 -0.88 0.00	31.86 -1.43 0.00	33.66 -1.15 0.00	32.71 -0.74 0.00	34.27 -1.02 0.00	34.89 -0.93 0.00	35.29 -0.87 0.00	35.94 -0.36 0.00	35.71 -0.25 0.00	37.58 -0.61 0.00	40.28 -0.20 0.00	41.98 -1.12 0.00	46.05 -0.37 0.00	48.14 0.05 0.00	45.20 -0.27 0.00	40.77 -0.37 0.00	35.02 -0.28 0.00	30.93 0.28 0.00
BLUESTONE___WT_PWR 323821	28.42 1.51 0.00	25.68 1.38 0.00	23.44 1.22 0.00	21.78 1.10 0.00	22.34 1.14 0.00	26.14 1.24 0.00	31.48 1.33 0.00	34.86 1.56 0.00	36.41 1.60 0.00	35.02 1.57 0.00	36.96 1.66 0.00	37.43 1.61 0.00	37.82 1.66 0.00	37.94 1.64 0.00	37.61 1.65 0.00	40.02 1.83 0.00	42.43 1.94 0.00	44.96 1.85 0.00	48.65 2.23 0.00	50.59 2.50 0.00	47.78 2.32 0.00	43.28 2.14 0.00	36.99 1.69 0.00	32.19 1.53 0.00
BLUE_CIRC_CHEM_DRP 24182	27.64 0.73 0.00	25.02 0.73 0.00	22.93 0.71 0.00	21.34 0.66 0.00	21.88 0.68 0.00	25.47 0.57 0.00	30.64 0.48 0.00	33.89 0.60 0.00	35.33 0.52 0.00	33.85 0.40 0.00	35.76 0.46 0.00	36.28 0.47 0.00	36.59 0.43 0.00	36.81 0.51 0.00	36.53 0.58 0.00	38.76 0.57 0.00	41.09 0.61 0.00	43.88 0.78 0.00	47.21 0.79 0.00	48.95 0.87 0.00	46.33 0.86 0.00	42.01 0.86 0.00	36.01 0.71 0.00	31.33 0.67 0.00
BOC_GAS_DRP 24189	27.51 0.59 0.00	24.90 0.61 0.00	22.81 0.60 0.00	21.26 0.58 0.00	21.77 0.57 0.00	25.34 0.45 0.00	30.52 0.36 0.00	33.82 0.53 0.00	35.30 0.49 0.00	33.81 0.37 0.00	35.76 0.46 0.00	36.28 0.47 0.00	36.63 0.47 0.00	36.81 0.51 0.00	36.53 0.58 0.00	38.76 0.57 0.00	41.05 0.57 0.00	43.84 0.73 0.00	47.12 0.70 0.00	48.86 0.77 0.00	46.19 0.73 0.00	41.84 0.70 0.00	35.86 0.56 0.00	31.21 0.55 0.00
BOONVILLE_115KV_TB1 79983	27.59 0.67 0.00	24.88 0.58 0.00	22.75 0.53 0.00	21.16 0.48 0.00	21.71 0.51 0.00	25.44 0.55 0.00	30.79 0.63 0.00	34.09 0.80 0.00	35.61 0.80 0.00	34.15 0.70 0.00	36.11 0.81 0.00	36.46 0.64 0.00	36.81 0.65 0.00	36.89 0.58 0.00	36.53 0.58 0.00	38.84 0.65 0.00	41.17 0.69 0.00	43.79 0.69 0.00	47.26 0.84 0.00	49.10 1.01 0.00	46.47 1.00 0.00	42.09 0.95 0.00	36.04 0.74 0.00	31.24 0.58 0.00
BORALEX_4TH_BRANCH 23824	28.10 1.18 0.00	25.51 1.21 0.00	23.46 1.24 0.00	21.88 1.20 0.00	22.41 1.21 0.00	25.97 1.07 0.00	31.27 1.12 0.00	34.82 1.53 0.00	36.20 1.39 0.00	34.48 1.04 0.00	36.53 1.24 0.00	37.04 1.22 0.00	37.39 1.23 0.00	37.65 1.34 0.00	37.29 1.33 0.00	39.49 1.30 0.00	41.86 1.38 0.00	44.91 1.81 0.00	48.32 1.90 0.00	50.11 2.02 0.00	47.38 1.91 0.00	42.91 1.77 0.00	36.78 1.48 0.00	32.04 1.38 0.00
BOWLINE___1 23526	28.40 1.48 0.00	25.60 1.31 0.00	23.55 1.33 0.00	21.97 1.28 0.00	22.49 1.29 0.00	26.07 1.17 0.00	31.39 1.24 0.00	34.95 1.66 0.00	36.41 1.60 0.00	34.99 1.54 0.00	36.89 1.59 0.00	37.50 1.68 0.00	37.97 1.81 0.00	38.08 1.78 0.00	37.75 1.80 0.00	40.18 1.98 0.00	42.59 2.10 0.00	45.52 2.41 0.00	48.83 2.41 0.00	50.59 2.50 0.00	47.83 2.36 0.00	43.24 2.10 0.00	37.13 1.83 0.00	32.25 1.59 0.00
BOWLINE___2 23595	28.40 1.48 0.00	25.60 1.31 0.00	23.55 1.33 0.00	21.97 1.28 0.00	22.49 1.29 0.00	26.07 1.17 0.00	31.39 1.24 0.00	34.95 1.66 0.00	36.41 1.60 0.00	34.99 1.54 0.00	36.89 1.59 0.00	37.50 1.68 0.00	37.97 1.81 0.00	38.08 1.78 0.00	37.75 1.80 0.00	40.18 1.98 0.00	42.59 2.10 0.00	45.52 2.41 0.00	48.83 2.41 0.00	50.59 2.50 0.00	47.83 2.36 0.00	43.24 2.10 0.00	37.13 1.83 0.00	32.25 1.59 0.00
BRADY___115KV_TB2 356060	26.94 0.03 0.00	24.32 0.02 0.00	22.24 0.02 0.00	20.70 0.02 0.00	21.24 0.04 0.00	25.19 0.30 0.00	30.85 0.69 0.00	34.19 0.90 0.00	35.68 0.87 0.00	34.22 0.77 0.00	36.11 0.81 0.00	36.57 0.75 0.00	36.88 0.72 0.00	36.96 0.65 0.00	36.60 0.65 0.00	38.84 0.65 0.00	41.13 0.65 0.00	43.79 0.69 0.00	46.98 0.56 0.00	48.67 0.58 0.00	46.01 0.55 0.00	41.84 0.70 0.00	35.97 0.67 0.00	30.94 0.28 0.00
BRANSCOMB___SOLAR 323811	28.37 1.45 0.00	25.63 1.34 0.00	23.50 1.29 0.00	21.88 1.20 0.00	22.40 1.21 0.00	26.04 1.15 0.00	31.39 1.24 0.00	34.72 1.43 0.00	36.20 1.39 0.00	34.65 1.20 0.00	36.64 1.34 0.00	37.15 1.33 0.00	37.14 0.98 0.00	37.25 0.94 0.00	36.96 1.01 0.00	39.45 1.26 0.00	41.74 1.26 0.00	44.65 1.55 0.00	48.00 1.58 0.00	49.87 1.78 0.00	47.15 1.68 0.00	42.71 1.56 0.00	36.61 1.31 0.00	32.22 1.56 0.00
BRDGHMPT_69_KV_BK1 55812	30.09 3.18 0.00	27.40 3.11 0.00	25.17 2.95 0.00	23.45 2.77 0.00	24.16 2.97 0.00	27.26 2.37 0.00	32.60 2.44 0.00	36.59 3.30 0.00	38.15 3.34 0.00	36.72 3.28 0.00	39.15 3.85 0.00	39.76 3.94 0.00	40.10 3.94 0.00	40.48 4.18 0.00	40.27 4.31 0.00	42.55 4.35 0.00	45.54 5.06 0.00	48.54 5.43 0.00	52.13 5.71 0.00	53.86 5.77 0.00	50.92 5.46 0.00	46.16 5.02 0.00	39.08 3.78 0.00	34.22 3.56 0.00



BRENTWOD_69_KV_W. BRTWOOD 56703	29.61 2.69 0.00	26.84 2.55 0.00	24.61 2.40 0.00	22.96 2.28 0.00	23.57 2.37 0.00	26.94 2.04 0.00	32.36 2.20 0.00	36.15 2.86 0.00	37.63 2.82 0.00	36.12 2.68 0.00	38.37 3.07 0.00	39.01 3.19 0.00	39.38 3.22 0.00	39.75 3.45 0.00	39.52 3.56 0.00	41.78 3.59 0.00	44.57 4.09 0.00	47.59 4.48 0.00	51.16 4.73 0.00	53.04 4.95 0.00	50.15 4.68 0.00	45.34 4.20 0.00	38.48 3.18 0.00	33.66 3.00 0.00
BRISTLHL_115KV_TB1 79998	26.65 -0.27 0.00	24.05 -0.24 0.00	21.95 -0.27 0.00	20.41 -0.27 0.00	20.92 -0.28 0.00	24.50 -0.40 0.00	29.55 -0.60 0.00	32.46 -0.83 0.00	33.94 -0.87 0.00	32.71 -0.74 0.00	34.52 -0.78 0.00	35.03 -0.79 0.00	35.36 -0.80 0.00	35.51 -0.80 0.00	35.13 -0.83 0.00	37.39 -0.80 0.00	39.63 -0.85 0.00	42.11 -0.99 0.00	45.49 -0.93 0.00	47.13 -0.96 0.00	44.60 -0.86 0.00	40.32 -0.82 0.00	34.59 -0.71 0.00	30.20 -0.46 0.00
BROOKHAVEN___DRP 24191	29.42 2.50 0.00	26.77 2.48 0.00	24.59 2.38 0.00	22.92 2.23 0.00	23.59 2.40 0.00	26.69 1.79 0.00	31.94 1.78 0.00	35.72 2.43 0.00	37.14 2.33 0.00	35.69 2.24 0.00	37.98 2.68 0.00	38.58 2.76 0.00	38.98 2.82 0.00	39.39 3.09 0.00	39.16 3.20 0.00	41.40 3.21 0.00	44.21 3.72 0.00	47.16 4.05 0.00	50.69 4.27 0.00	52.51 4.42 0.00	49.60 4.14 0.00	44.89 3.74 0.00	38.09 2.79 0.00	33.33 2.67 0.00
BROOKLYN_NAVY_YARD 23515	28.59 1.67 0.00	25.75 1.46 0.00	23.68 1.47 0.00	22.11 1.43 0.00	22.64 1.44 0.00	26.21 1.32 0.00	31.63 1.48 0.00	35.29 2.00 0.00	36.83 2.02 0.00	35.42 1.97 0.00	37.24 1.94 0.00	37.90 2.08 0.00	38.37 2.21 0.00	38.45 2.14 0.00	38.15 2.19 0.00	40.56 2.37 0.00	42.99 2.51 0.00	45.95 2.84 0.00	49.21 2.79 0.00	50.88 2.79 0.00	48.15 2.68 0.00	43.49 2.34 0.00	37.45 2.15 0.00	32.56 1.90 0.00
BROOKLYN___ARMY_DRP 323595	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
BROOME_2_LFGE 323671	27.56 0.64 0.00	24.92 0.63 0.00	22.66 0.44 0.00	21.07 0.39 0.00	21.60 0.40 0.00	25.27 0.37 0.00	30.37 0.21 0.00	33.42 0.13 0.00	34.95 0.14 0.00	33.71 0.27 0.00	35.51 0.21 0.00	36.04 0.22 0.00	36.42 0.25 0.00	36.63 0.33 0.00	36.28 0.32 0.00	38.50 0.30 0.00	40.89 0.40 0.00	43.32 0.22 0.00	46.93 0.51 0.00	48.76 0.67 0.00	46.01 0.55 0.00	41.64 0.50 0.00	35.69 0.39 0.00	31.15 0.49 0.00
BROOME___LFGE 323600	27.56 0.64 0.00	24.92 0.63 0.00	22.66 0.44 0.00	21.07 0.39 0.00	21.60 0.40 0.00	25.27 0.37 0.00	30.37 0.21 0.00	33.42 0.13 0.00	34.95 0.14 0.00	33.71 0.27 0.00	35.51 0.21 0.00	36.04 0.22 0.00	36.42 0.25 0.00	36.63 0.33 0.00	36.28 0.32 0.00	38.50 0.30 0.00	40.89 0.40 0.00	43.32 0.22 0.00	46.93 0.51 0.00	48.76 0.67 0.00	46.01 0.55 0.00	41.64 0.50 0.00	35.69 0.39 0.00	31.15 0.49 0.00
BROWNFLS_115KV_TB_3_5 80003	27.11 0.19 0.00	24.44 0.15 0.00	22.35 0.13 0.00	20.79 0.10 0.00	21.35 0.15 0.00	25.17 0.27 0.00	30.64 0.48 0.00	33.99 0.70 0.00	35.47 0.66 0.00	34.01 0.57 0.00	35.97 0.67 0.00	36.28 0.47 0.00	36.59 0.43 0.00	36.63 0.33 0.00	36.24 0.29 0.00	38.46 0.27 0.00	40.77 0.28 0.00	43.28 0.17 0.00	46.51 0.09 0.00	48.28 0.19 0.00	45.65 0.18 0.00	41.56 0.41 0.00	35.72 0.42 0.00	30.81 0.15 0.00
BROWNSV1_27_KV_LOAD 356125	28.83 1.91 0.00	26.04 1.75 0.00	23.88 1.67 0.00	22.30 1.61 0.00	22.81 1.61 0.00	26.44 1.54 0.00	31.91 1.75 0.00	35.59 2.30 0.00	37.28 2.47 0.00	35.75 2.31 0.00	37.73 2.44 0.00	38.33 2.51 0.00	38.73 2.57 0.00	38.99 2.69 0.00	38.76 2.80 0.00	41.06 2.86 0.00	43.48 3.00 0.00	46.47 3.36 0.00	49.81 3.39 0.00	51.60 3.51 0.00	48.74 3.27 0.00	44.11 2.96 0.00	37.70 2.40 0.00	32.81 2.15 0.00
BURROWS___LYONSDAL 23803	27.51 0.59 0.00	24.80 0.51 0.00	22.68 0.47 0.00	21.10 0.41 0.00	21.64 0.45 0.00	25.39 0.50 0.00	30.76 0.60 0.00	34.02 0.73 0.00	35.54 0.73 0.00	34.08 0.64 0.00	36.00 0.71 0.00	36.28 0.47 0.00	36.63 0.47 0.00	36.70 0.40 0.00	36.35 0.40 0.00	38.65 0.46 0.00	40.97 0.49 0.00	43.58 0.47 0.00	47.07 0.65 0.00	48.91 0.82 0.00	46.28 0.82 0.00	41.97 0.82 0.00	35.94 0.64 0.00	31.12 0.46 0.00
CAITHNESS_CC_1 323624	29.40 2.47 -0.01	26.39 2.09 -0.01	24.53 2.31 -0.01	22.88 2.19 -0.01	23.56 2.35 -0.01	26.66 1.77 0.00	31.94 1.78 0.00	35.75 2.46 0.00	36.45 1.64 0.00	35.35 1.91 0.00	37.38 2.08 0.00	38.11 2.29 0.00	38.62 2.46 0.00	38.85 2.54 -0.01	38.66 2.70 -0.01	40.86 2.67 0.00	43.69 3.20 -0.01	46.60 3.49 -0.01	50.14 3.72 -0.01	51.36 3.27 0.00	48.75 3.28 -0.01	44.44 3.29 -0.01	38.16 2.86 0.00	33.37 2.70 -0.01
CALPINE BETH_PAGE_GT4 24209	29.29 2.37 0.00	26.50 2.21 0.00	24.30 2.09 0.00	22.67 1.99 0.00	23.23 2.03 0.00	26.69 1.79 0.00	32.03 1.87 0.00	35.62 2.33 0.00	37.11 2.30 0.00	35.65 2.21 0.00	37.84 2.54 0.00	38.43 2.61 0.00	38.76 2.60 0.00	39.14 2.83 0.00	38.87 2.91 0.00	41.13 2.94 0.00	43.76 3.28 0.00	46.72 3.62 0.00	50.18 3.76 0.00	52.08 3.99 0.00	49.19 3.73 0.00	44.48 3.33 0.00	37.88 2.58 0.00	33.23 2.58 0.00
CALPINE_BETH_PAGE_GT_4 323586	29.29 2.37 -0.01	26.32 2.02 -0.01	24.31 2.09 -0.01	22.68 1.99 -0.01	23.24 2.04 -0.01	26.69 1.79 0.00	32.03 1.87 0.00	35.62 2.33 0.00	36.62 1.81 0.00	35.49 2.04 0.00	37.45 2.15 0.00	38.18 2.36 0.00	38.58 2.42 0.00	38.82 2.50 -0.01	38.59 2.62 -0.01	40.82 2.63 0.00	43.57 3.08 -0.01	46.48 3.36 -0.01	50.00 3.57 -0.01	51.31 3.22 0.00	48.70 3.23 -0.01	44.28 3.13 -0.01	37.95 2.65 0.00	33.27 2.60 -0.01
CALPINE_BP_GT1 23823	29.29 2.37 -0.01	26.32 2.02 -0.01	24.31 2.09 -0.01	22.68 1.99 -0.01	23.24 2.04 -0.01	26.69 1.79 0.00	32.03 1.87 0.00	35.62 2.33 0.00	36.62 1.81 0.00	35.49 2.04 0.00	37.45 2.15 0.00	38.18 2.36 0.00	38.58 2.42 0.00	38.82 2.50 -0.01	38.59 2.62 -0.01	40.82 2.63 0.00	43.57 3.08 -0.01	46.48 3.36 -0.01	50.00 3.57 -0.01	51.31 3.22 0.00	48.70 3.23 -0.01	44.28 3.13 -0.01	37.95 2.65 0.00	33.27 2.60 -0.01
CALSPAN___DRP 24200	27.64 0.73 0.00	24.92 0.63 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	24.99 0.10 0.00	29.49 -0.66 0.00	32.09 -1.20 0.00	33.73 -1.08 0.00	33.08 -0.37 0.00	34.35 -0.95 0.00	35.10 -0.72 0.00	35.55 -0.61 0.00	35.54 -0.76 0.00	35.02 -0.93 0.00	37.50 -0.69 0.00	40.08 -0.40 0.00	41.98 -1.12 0.00	46.00 -0.42 0.00	47.46 -0.63 0.00	45.10 -0.36 0.00	40.32 -0.82 0.00	35.23 -0.07 0.00	30.94 0.28 0.00



CALVERTON___SOLAR 323806	29.51 2.58 -0.01	26.49 2.19 -0.01	24.67 2.44 -0.01	22.99 2.30 -0.01	23.68 2.48 -0.01	26.71 1.82 0.00	31.97 1.81 0.00	35.79 2.50 0.00	36.48 1.67 0.00	35.39 1.94 0.00	37.49 2.19 0.00	38.22 2.40 0.00	38.69 2.53 0.00	38.93 2.62 -0.01	38.73 2.77 -0.01	40.94 2.75 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.28 3.85 -0.01	51.45 3.37 0.00	48.84 3.36 -0.01	44.53 3.37 -0.01	38.23 2.93 0.00	33.43 2.76 -0.01
CANDIGU_WT_PWR 323617	27.56 0.64 0.00	25.05 0.75 0.00	22.50 0.29 0.00	20.87 0.19 0.00	21.37 0.17 0.00	25.09 0.20 0.00	29.88 -0.27 0.00	32.66 -0.63 0.00	34.29 -0.52 0.00	33.21 -0.23 0.00	34.80 -0.49 0.00	35.35 -0.47 0.00	35.65 -0.51 0.00	36.09 -0.22 0.00	35.71 -0.25 0.00	37.69 -0.50 0.00	40.20 -0.28 0.00	42.24 -0.86 0.00	46.19 -0.23 0.00	48.23 0.14 0.00	45.51 0.05 0.00	41.10 -0.04 0.00	35.34 0.04 0.00	31.06 0.40 0.00
CARR STREET_E_SYR 24060	27.03 0.11 0.00	24.41 0.12 0.00	22.24 0.02 0.00	20.66 -0.02 0.00	21.20 0.00 0.00	24.82 -0.07 0.00	29.91 -0.24 0.00	32.86 -0.43 0.00	34.43 -0.38 0.00	33.21 -0.23 0.00	35.05 -0.25 0.00	35.57 -0.25 0.00	35.91 -0.25 0.00	36.12 -0.18 0.00	35.74 -0.21 0.00	37.96 -0.23 0.00	40.24 -0.24 0.00	42.72 -0.39 0.00	46.14 -0.28 0.00	47.85 -0.24 0.00	45.24 -0.23 0.00	40.90 -0.25 0.00	35.05 -0.25 0.00	30.57 -0.09 0.00
CARTHAGE___PAPER 23857	27.54 0.62 0.00	24.80 0.51 0.00	22.68 0.47 0.00	21.07 0.39 0.00	21.62 0.42 0.00	25.42 0.52 0.00	30.82 0.66 0.00	34.15 0.86 0.00	35.61 0.80 0.00	34.08 0.63 0.00	36.04 0.74 0.00	36.25 0.43 0.00	36.52 0.36 0.00	36.56 0.26 0.00	36.14 0.18 0.00	38.42 0.23 0.00	40.73 0.24 0.00	43.36 0.26 0.00	46.98 0.56 0.00	48.96 0.87 0.00	46.42 0.96 0.00	42.17 1.03 0.00	36.04 0.74 0.00	31.15 0.49 0.00
CASSADAGA_WT_PWR 323784	27.70 0.78 0.00	25.22 0.92 0.00	22.39 0.18 0.00	20.77 0.08 0.00	21.24 0.04 0.00	25.12 0.22 0.00	29.73 -0.42 0.00	32.49 -0.80 0.00	34.57 -0.24 0.00	33.68 0.24 0.00	35.26 -0.04 0.00	35.86 0.04 0.00	36.27 0.11 0.00	36.88 0.58 0.00	36.50 0.54 0.00	38.27 0.08 0.00	41.05 0.57 0.00	42.59 -0.52 0.00	46.75 0.33 0.00	48.86 0.77 0.00	45.87 0.41 0.00	41.35 0.21 0.00	35.37 0.07 0.00	31.21 0.55 0.00
CE_DUNWOOD___DRP 24194	28.51 1.59 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.07 1.39 0.00	22.60 1.40 0.00	26.16 1.27 0.00	31.51 1.36 0.00	35.12 1.83 0.00	36.76 1.95 0.00	35.19 1.74 0.00	37.21 1.91 0.00	37.79 1.97 0.00	38.15 1.99 0.00	38.45 2.14 0.00	38.19 2.23 0.00	40.45 2.25 0.00	42.87 2.39 0.00	45.78 2.67 0.00	49.16 2.74 0.00	50.97 2.89 0.00	48.15 2.68 0.00	43.57 2.43 0.00	37.21 1.91 0.00	32.38 1.72 0.00
CE_MILLWOOD___DRP 24193	28.45 1.53 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.03 1.34 0.00	22.55 1.36 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.05 1.76 0.00	36.65 1.84 0.00	35.12 1.67 0.00	37.10 1.80 0.00	37.68 1.86 0.00	38.08 1.92 0.00	38.34 2.03 0.00	38.08 2.12 0.00	40.37 2.18 0.00	42.79 2.31 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.83 2.74 0.00	48.06 2.59 0.00	43.49 2.35 0.00	37.14 1.84 0.00	32.31 1.66 0.00
CE_NYC2_DRP 24202	28.61 1.70 0.00	25.85 1.55 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.21 1.32 0.00	31.63 1.48 0.00	35.29 2.00 0.00	37.00 2.19 0.00	35.49 2.04 0.00	37.45 2.15 0.00	38.08 2.26 0.00	38.44 2.28 0.00	38.70 2.40 0.00	38.51 2.55 0.00	40.71 2.52 0.00	43.11 2.63 0.00	45.95 2.84 0.00	49.21 2.79 0.00	50.97 2.89 0.00	48.19 2.73 0.00	43.65 2.51 0.00	37.38 2.08 0.00	32.56 1.90 0.00
CE_NYC_DRP 24195	28.67 1.75 0.00	25.90 1.60 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.35 2.06 0.00	37.07 2.26 0.00	35.52 2.07 0.00	37.49 2.19 0.00	38.08 2.26 0.00	38.44 2.28 0.00	38.74 2.43 0.00	38.47 2.52 0.00	40.79 2.60 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.48 3.06 0.00	51.26 3.17 0.00	48.42 2.96 0.00	43.82 2.67 0.00	37.45 2.15 0.00	32.59 1.93 0.00
CHAFFEE___LFGE 323603	27.70 0.78 0.00	25.27 0.97 0.00	22.44 0.22 0.00	20.79 0.10 0.00	21.24 0.04 0.00	25.02 0.13 0.00	29.55 -0.60 0.00	32.16 -1.13 0.00	34.18 -0.63 0.00	33.21 -0.23 0.00	34.77 -0.53 0.00	35.43 -0.39 0.00	35.76 -0.40 0.00	36.38 0.07 0.00	36.06 0.11 0.00	37.81 -0.38 0.00	40.56 0.08 0.00	42.16 -0.95 0.00	46.24 -0.18 0.00	48.28 0.19 0.00	45.47 0.00 0.00	41.10 -0.04 0.00	35.34 0.04 0.00	31.33 0.67 0.00
CHATEAUG_35_KV_LOAD 355732	26.54 -0.38 0.00	23.93 -0.36 0.00	21.90 -0.31 0.00	20.39 -0.29 0.00	20.92 -0.28 0.00	24.85 -0.05 0.00	30.37 0.21 0.00	33.69 0.40 0.00	35.30 0.49 0.00	33.95 0.50 0.00	35.79 0.49 0.00	36.25 0.43 0.00	36.56 0.40 0.00	36.63 0.33 0.00	36.21 0.25 0.00	38.34 0.15 0.00	40.56 0.08 0.00	43.23 0.13 0.00	46.51 0.09 0.00	48.09 0.00 0.00	45.38 -0.09 0.00	41.02 -0.12 0.00	35.16 -0.14 0.00	30.32 -0.34 0.00
CHATEAUG_WT_PWR 323614	26.57 -0.35 0.00	23.95 -0.34 0.00	21.92 -0.29 0.00	20.41 -0.27 0.00	20.94 -0.25 0.00	24.85 -0.05 0.00	30.34 0.18 0.00	33.66 0.37 0.00	35.33 0.52 0.00	33.95 0.50 0.00	35.79 0.49 0.00	36.28 0.46 0.00	36.60 0.44 0.00	36.63 0.33 0.00	36.24 0.29 0.00	38.38 0.19 0.00	40.56 0.08 0.00	43.23 0.13 0.00	46.51 0.09 0.00	48.04 -0.05 0.00	45.33 -0.14 0.00	40.98 -0.16 0.00	35.16 -0.14 0.00	30.32 -0.34 0.00
CHAT_HIGH_FALL_HYD 323578	26.54 -0.38 0.00	23.93 -0.36 0.00	21.90 -0.31 0.00	20.39 -0.29 0.00	20.92 -0.28 0.00	24.85 -0.05 0.00	30.37 0.21 0.00	33.69 0.40 0.00	35.30 0.49 0.00	33.95 0.50 0.00	35.79 0.49 0.00	36.25 0.43 0.00	36.56 0.40 0.00	36.63 0.33 0.00	36.21 0.25 0.00	38.34 0.15 0.00	40.56 0.08 0.00	43.23 0.13 0.00	46.51 0.09 0.00	48.09 0.00 0.00	45.38 -0.09 0.00	41.02 -0.12 0.00	35.16 -0.14 0.00	30.32 -0.34 0.00
CHAUTAUQUA___LFGE 323629	27.75 0.84 0.00	25.31 1.02 0.00	22.46 0.24 0.00	20.83 0.15 0.00	21.28 0.09 0.00	25.12 0.22 0.00	29.71 -0.45 0.00	32.39 -0.90 0.00	34.46 -0.35 0.00	33.51 0.07 0.00	35.12 -0.18 0.00	35.75 -0.07 0.00	36.09 -0.07 0.00	36.71 0.40 0.00	36.35 0.40 0.00	38.08 -0.11 0.00	40.85 0.36 0.00	42.41 -0.69 0.00	46.56 0.14 0.00	48.62 0.53 0.00	45.69 0.23 0.00	41.23 0.08 0.00	35.37 0.07 0.00	31.33 0.67 0.00
CHERRYST_13_KV_LD 356241	28.72 1.80 0.00	25.97 1.68 0.00	23.79 1.58 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.36 1.47 0.00	31.82 1.66 0.00	35.49 2.20 0.00	37.21 2.40 0.00	35.65 2.21 0.00	37.63 2.33 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.65 2.70 0.00	40.94 2.75 0.00	43.36 2.87 0.00	46.29 3.19 0.00	49.62 3.20 0.00	51.41 3.32 0.00	48.56 3.09 0.00	43.94 2.80 0.00	37.56 2.26 0.00	32.68 2.02 0.00



CHESTROR_138KV_BK263 355645	28.24 1.32 0.00	25.53 1.24 0.00	23.41 1.20 0.00	21.84 1.16 0.00	22.34 1.14 0.00	25.94 1.05 0.00	31.24 1.09 0.00	34.72 1.43 0.00	36.31 1.50 0.00	34.78 1.34 0.00	36.71 1.41 0.00	37.29 1.47 0.00	37.64 1.48 0.00	37.94 1.63 0.00	37.68 1.73 0.00	39.95 1.76 0.00	42.34 1.86 0.00	45.26 2.16 0.00	48.60 2.18 0.00	50.44 2.36 0.00	47.65 2.18 0.00	43.08 1.93 0.00	36.85 1.55 0.00	32.01 1.35 0.00
CH_MIDHUDSON___DRP 24192	28.32 1.40 0.00	25.63 1.34 0.00	23.50 1.29 0.00	21.92 1.24 0.00	22.45 1.25 0.00	26.04 1.15 0.00	31.33 1.18 0.00	34.85 1.56 0.00	36.44 1.64 0.00	34.88 1.44 0.00	36.85 1.55 0.00	37.43 1.61 0.00	37.79 1.63 0.00	38.05 1.74 0.00	37.79 1.83 0.00	40.06 1.87 0.00	42.51 2.02 0.00	45.47 2.37 0.00	48.79 2.37 0.00	50.59 2.50 0.00	47.83 2.36 0.00	43.24 2.10 0.00	36.96 1.66 0.00	32.16 1.50 0.00
CH_MISC_IPPS 23765	28.45 1.53 0.00	25.65 1.36 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.02 1.73 0.00	36.51 1.71 0.00	35.05 1.61 0.00	36.92 1.62 0.00	37.57 1.75 0.00	38.00 1.84 0.00	38.12 1.81 0.00	37.83 1.87 0.00	40.21 2.02 0.00	42.71 2.23 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.78 2.69 0.00	48.06 2.59 0.00	43.41 2.26 0.00	37.20 1.90 0.00	32.34 1.69 0.00
CH_RES_BVR_FALLS 23983	26.62 -0.30 0.00	24.03 -0.27 0.00	21.99 -0.22 0.00	20.48 -0.21 0.00	21.01 -0.19 0.00	24.75 -0.15 0.00	30.07 -0.09 0.00	33.22 -0.07 0.00	34.77 -0.03 0.00	33.25 -0.20 0.00	35.09 -0.21 0.00	35.57 -0.25 0.00	35.87 -0.29 0.00	35.98 -0.33 0.00	35.60 -0.36 0.00	37.81 -0.38 0.00	40.08 -0.40 0.00	42.85 -0.26 0.00	46.10 -0.32 0.00	47.70 -0.39 0.00	45.06 -0.41 0.00	40.73 -0.41 0.00	34.95 -0.35 0.00	30.26 -0.40 0.00
CH_RES_NIAGARA 23895	26.89 -0.03 0.00	24.27 -0.02 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.62 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	32.65 -2.16 0.00	32.08 -1.37 0.00	33.18 -2.12 0.00	33.96 -1.86 0.00	34.39 -1.77 0.00	34.31 -2.00 0.00	33.76 -2.19 0.00	36.13 -2.06 0.00	38.58 -1.90 0.00	40.43 -2.67 0.00	44.33 -2.09 0.00	45.73 -2.36 0.00	43.47 -2.00 0.00	38.96 -2.18 0.00	34.10 -1.20 0.00	30.08 -0.58 0.00
CH_RES_SYRACUSE 23985	27.16 0.24 0.00	24.54 0.24 0.00	22.35 0.13 0.00	20.77 0.08 0.00	21.30 0.11 0.00	24.94 0.05 0.00	30.07 -0.09 0.00	33.06 -0.23 0.00	34.60 -0.21 0.00	33.38 -0.07 0.00	35.23 -0.07 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.31 0.00 0.00	35.96 0.00 0.00	38.19 0.00 0.00	40.48 0.00 0.00	42.98 -0.13 0.00	46.42 0.00 0.00	48.14 0.05 0.00	45.51 0.05 0.00	41.14 0.00 0.00	35.26 -0.04 0.00	30.75 0.09 0.00
CLINTON_WT_PWR 323605	26.57 -0.35 0.00	23.95 -0.34 0.00	21.92 -0.29 0.00	20.41 -0.27 0.00	20.94 -0.25 0.00	24.85 -0.05 0.00	30.34 0.18 0.00	33.66 0.37 0.00	35.33 0.52 0.00	33.95 0.50 0.00	35.79 0.49 0.00	36.28 0.46 0.00	36.60 0.44 0.00	36.63 0.33 0.00	36.24 0.29 0.00	38.38 0.19 0.00	40.56 0.08 0.00	43.23 0.13 0.00	46.51 0.09 0.00	48.04 -0.05 0.00	45.33 -0.14 0.00	40.98 -0.16 0.00	35.16 -0.14 0.00	30.32 -0.34 0.00
CLINTON___LFGE 323618	26.86 -0.05 0.00	24.27 -0.02 0.00	22.19 -0.02 0.00	20.66 -0.02 0.00	21.20 0.00 0.00	25.17 0.27 0.00	30.73 0.57 0.00	34.12 0.83 0.00	35.85 1.04 0.00	34.42 0.97 0.00	36.29 0.99 0.00	36.79 0.97 0.00	37.10 0.94 0.00	37.14 0.84 0.00	36.71 0.76 0.00	38.92 0.72 0.00	41.17 0.69 0.00	43.88 0.78 0.00	47.26 0.84 0.00	48.71 0.62 0.00	45.92 0.45 0.00	41.56 0.41 0.00	35.58 0.28 0.00	30.72 0.06 0.00
COBBLENY_34_KV_TB1 80064	27.70 0.78 0.00	24.95 0.66 0.00	22.44 0.22 0.00	20.79 0.10 0.00	21.24 0.04 0.00	25.02 0.12 0.00	29.55 -0.60 0.00	32.16 -1.13 0.00	33.80 -1.01 0.00	33.15 -0.30 0.00	34.42 -0.88 0.00	35.21 -0.61 0.00	35.65 -0.51 0.00	35.65 -0.65 0.00	35.13 -0.83 0.00	37.66 -0.53 0.00	40.28 -0.20 0.00	42.16 -0.95 0.00	46.14 -0.28 0.00	47.66 -0.43 0.00	45.28 -0.18 0.00	40.49 -0.66 0.00	35.30 0.00 0.00	31.00 0.34 0.00
COFFEEN___115KV_TB3 355620	27.89 0.97 0.00	25.12 0.83 0.00	22.97 0.76 0.00	21.32 0.64 0.00	21.90 0.70 0.00	25.69 0.80 0.00	31.09 0.93 0.00	34.46 1.17 0.00	35.85 1.04 0.00	34.35 0.90 0.00	36.36 1.06 0.00	36.61 0.79 0.00	36.85 0.69 0.00	36.85 0.54 0.00	36.39 0.43 0.00	38.76 0.57 0.00	41.13 0.65 0.00	43.75 0.65 0.00	47.58 1.16 0.00	49.68 1.59 0.00	47.15 1.68 0.00	42.79 1.65 0.00	36.57 1.27 0.00	31.61 0.95 0.00
COLDSPRG_115KV_BK1 355956	27.94 1.02 0.00	25.14 0.85 0.00	22.64 0.42 0.00	20.97 0.29 0.00	21.45 0.25 0.00	25.32 0.42 0.00	30.01 -0.15 0.00	32.76 -0.53 0.00	34.39 -0.42 0.00	33.68 0.23 0.00	35.05 -0.25 0.00	35.78 -0.04 0.00	36.23 0.07 0.00	36.27 -0.04 0.00	35.70 -0.25 0.00	38.27 0.08 0.00	40.89 0.40 0.00	42.76 -0.34 0.00	46.89 0.46 0.00	48.52 0.43 0.00	45.97 0.50 0.00	41.02 -0.12 0.00	35.65 0.35 0.00	31.15 0.49 0.00
COLONIE_LFGE___ 323577	27.91 1.00 0.00	25.24 0.95 0.00	23.19 0.98 0.00	21.61 0.93 0.00	22.13 0.93 0.00	25.72 0.82 0.00	31.00 0.84 0.00	34.36 1.07 0.00	35.78 0.97 0.00	34.25 0.80 0.00	36.22 0.92 0.00	36.75 0.93 0.00	37.03 0.87 0.00	37.14 0.84 0.00	36.78 0.83 0.00	39.22 1.03 0.00	41.53 1.05 0.00	44.44 1.34 0.00	47.77 1.35 0.00	49.48 1.40 0.00	46.83 1.36 0.00	42.42 1.28 0.00	36.36 1.06 0.00	31.73 1.07 0.00
COOPERNY_115KV_TB1 80082	28.05 1.13 0.00	25.36 1.07 0.00	23.24 1.02 0.00	21.65 0.97 0.00	22.17 0.98 0.00	25.77 0.87 0.00	31.03 0.87 0.00	34.46 1.17 0.00	36.03 1.22 0.00	34.55 1.10 0.00	36.46 1.16 0.00	37.04 1.22 0.00	37.43 1.27 0.00	37.65 1.34 0.00	37.39 1.44 0.00	39.68 1.49 0.00	42.06 1.58 0.00	44.87 1.77 0.00	48.23 1.81 0.00	50.06 1.97 0.00	47.28 1.82 0.00	42.79 1.65 0.00	36.57 1.27 0.00	31.79 1.13 0.00
COPENHAGEN_WT_PWR 323753	27.64 0.73 0.00	24.92 0.63 0.00	22.77 0.56 0.00	21.16 0.48 0.00	21.70 0.51 0.00	25.47 0.57 0.00	30.82 0.66 0.00	34.12 0.83 0.00	35.57 0.76 0.00	34.08 0.63 0.00	36.07 0.78 0.00	36.36 0.54 0.00	36.60 0.44 0.00	36.67 0.36 0.00	36.24 0.29 0.00	38.53 0.34 0.00	40.85 0.36 0.00	43.45 0.34 0.00	47.16 0.74 0.00	49.20 1.11 0.00	46.60 1.14 0.00	42.34 1.19 0.00	36.18 0.88 0.00	31.30 0.64 0.00
CORNELL_____ 23752	27.78 0.86 0.00	25.05 0.75 0.00	22.84 0.62 0.00	21.22 0.54 0.00	21.75 0.55 0.00	25.49 0.60 0.00	30.70 0.54 0.00	33.79 0.50 0.00	35.30 0.49 0.00	34.05 0.60 0.00	35.83 0.53 0.00	36.36 0.54 0.00	36.70 0.54 0.00	36.85 0.54 0.00	36.42 0.47 0.00	38.80 0.61 0.00	41.25 0.77 0.00	43.79 0.69 0.00	47.44 1.02 0.00	49.24 1.15 0.00	46.60 1.14 0.00	42.09 0.95 0.00	36.08 0.78 0.00	31.40 0.74 0.00



CORONA__69_KV_TB1 355595	29.21 2.29 0.00	26.41 2.11 0.00	24.19 1.98 0.00	22.59 1.90 0.00	23.13 1.93 0.00	26.64 1.74 0.00	32.03 1.87 0.00	35.72 2.43 0.00	37.28 2.47 0.00	35.75 2.31 0.00	37.95 2.65 0.00	38.54 2.72 0.00	38.87 2.71 0.00	39.21 2.90 0.00	38.94 2.98 0.00	41.21 3.02 0.00	43.80 3.32 0.00	46.77 3.66 0.00	50.23 3.81 0.00	52.13 4.04 0.00	49.24 3.77 0.00	44.56 3.41 0.00	37.98 2.68 0.00	33.17 2.51 0.00
CORTLAND__115KV_TB3 80093	27.54 0.62 0.00	24.85 0.56 0.00	22.68 0.47 0.00	21.08 0.39 0.00	21.60 0.40 0.00	25.29 0.40 0.00	30.49 0.33 0.00	33.56 0.27 0.00	35.05 0.24 0.00	33.81 0.37 0.00	35.62 0.32 0.00	36.14 0.32 0.00	36.52 0.36 0.00	36.63 0.33 0.00	36.24 0.29 0.00	38.61 0.42 0.00	40.97 0.49 0.00	43.54 0.43 0.00	47.07 0.65 0.00	48.81 0.72 0.00	46.19 0.73 0.00	41.72 0.58 0.00	35.79 0.49 0.00	31.15 0.49 0.00
COXSACKIE__GT 23611	28.29 1.37 0.00	25.53 1.24 0.00	23.41 1.20 0.00	21.76 1.07 0.00	22.28 1.08 0.00	26.02 1.12 0.00	31.39 1.24 0.00	34.62 1.33 0.00	36.03 1.22 0.00	34.42 0.97 0.00	36.14 0.85 0.00	36.64 0.82 0.00	36.92 0.76 0.00	37.10 0.80 0.00	36.82 0.86 0.00	39.22 1.03 0.00	41.66 1.17 0.00	44.78 1.68 0.00	48.32 1.90 0.00	50.25 2.17 0.00	47.65 2.18 0.00	43.04 1.89 0.00	36.82 1.52 0.00	32.07 1.41 0.00
CPV__VALLEY__CC1 323721	28.07 1.16 0.00	25.31 1.02 0.00	23.26 1.04 0.00	21.70 1.01 0.00	22.21 1.02 0.00	25.79 0.89 0.00	31.06 0.90 0.00	34.52 1.23 0.00	35.96 1.15 0.00	34.55 1.10 0.00	36.43 1.13 0.00	37.04 1.22 0.00	37.46 1.30 0.00	37.58 1.27 0.00	37.25 1.29 0.00	39.64 1.45 0.00	42.06 1.58 0.00	44.91 1.81 0.00	48.23 1.81 0.00	49.96 1.87 0.00	47.24 1.77 0.00	42.71 1.56 0.00	36.68 1.38 0.00	31.85 1.19 0.00
CPV__VALLEY__CC2 323722	28.07 1.16 0.00	25.31 1.02 0.00	23.26 1.04 0.00	21.70 1.01 0.00	22.21 1.02 0.00	25.79 0.89 0.00	31.06 0.90 0.00	34.52 1.23 0.00	35.96 1.15 0.00	34.55 1.10 0.00	36.43 1.13 0.00	37.04 1.22 0.00	37.46 1.30 0.00	37.58 1.27 0.00	37.25 1.29 0.00	39.64 1.45 0.00	42.06 1.58 0.00	44.91 1.81 0.00	48.23 1.81 0.00	49.96 1.87 0.00	47.24 1.77 0.00	42.71 1.56 0.00	36.68 1.38 0.00	31.85 1.19 0.00
CRESCENT__HYD 24018	27.91 1.00 0.00	25.24 0.95 0.00	23.19 0.98 0.00	21.61 0.93 0.00	22.13 0.93 0.00	25.72 0.82 0.00	31.00 0.84 0.00	34.36 1.07 0.00	35.78 0.97 0.00	34.25 0.80 0.00	36.22 0.92 0.00	36.75 0.93 0.00	37.03 0.87 0.00	37.14 0.84 0.00	36.78 0.83 0.00	39.22 1.03 0.00	41.53 1.05 0.00	44.44 1.34 0.00	47.77 1.35 0.00	49.48 1.40 0.00	46.83 1.36 0.00	42.42 1.28 0.00	36.36 1.06 0.00	31.73 1.07 0.00
CRICKET__VALLEY_CC1 323756	27.97 1.05 0.00	25.31 1.02 0.00	23.30 1.09 0.00	21.76 1.07 0.00	22.28 1.08 0.00	25.79 0.89 0.00	30.97 0.81 0.00	34.52 1.23 0.00	35.92 1.11 0.00	34.38 0.94 0.00	36.32 1.02 0.00	36.89 1.07 0.00	37.35 1.19 0.00	37.47 1.16 0.00	37.07 1.12 0.00	39.45 1.26 0.00	41.82 1.33 0.00	44.83 1.73 0.00	48.09 1.67 0.00	49.77 1.68 0.00	47.10 1.63 0.00	42.62 1.48 0.00	36.57 1.27 0.00	31.82 1.16 0.00
CRICKET__VALLEY_CC2 323757	27.97 1.05 0.00	25.31 1.02 0.00	23.30 1.09 0.00	21.76 1.07 0.00	22.28 1.08 0.00	25.79 0.89 0.00	30.97 0.81 0.00	34.52 1.23 0.00	35.92 1.11 0.00	34.38 0.94 0.00	36.32 1.02 0.00	36.89 1.07 0.00	37.35 1.19 0.00	37.47 1.16 0.00	37.07 1.12 0.00	39.45 1.26 0.00	41.82 1.33 0.00	44.83 1.73 0.00	48.09 1.67 0.00	49.77 1.68 0.00	47.10 1.63 0.00	42.62 1.48 0.00	36.57 1.27 0.00	31.82 1.16 0.00
CRICKET__VALLEY_CC3 323758	27.97 1.05 0.00	25.31 1.02 0.00	23.30 1.09 0.00	21.76 1.07 0.00	22.28 1.08 0.00	25.79 0.89 0.00	30.97 0.81 0.00	34.52 1.23 0.00	35.92 1.11 0.00	34.38 0.94 0.00	36.32 1.02 0.00	36.89 1.07 0.00	37.35 1.19 0.00	37.47 1.16 0.00	37.07 1.12 0.00	39.45 1.26 0.00	41.82 1.33 0.00	44.83 1.73 0.00	48.09 1.67 0.00	49.77 1.68 0.00	47.10 1.63 0.00	42.62 1.48 0.00	36.57 1.27 0.00	31.82 1.16 0.00
CRUCIBLE__METL_DRP 24180	27.16 0.24 0.00	24.49 0.19 0.00	22.35 0.13 0.00	20.77 0.08 0.00	21.30 0.11 0.00	24.94 0.05 0.00	30.07 -0.09 0.00	33.06 -0.23 0.00	34.57 -0.24 0.00	33.38 -0.07 0.00	35.19 -0.11 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.23 -0.07 0.00	35.85 -0.11 0.00	38.15 -0.04 0.00	40.48 0.00 0.00	42.97 -0.13 0.00	46.42 0.00 0.00	48.04 -0.05 0.00	45.47 0.00 0.00	41.06 -0.08 0.00	35.26 -0.04 0.00	30.75 0.09 0.00
DAHOWA__HYDRO 323763	28.50 1.59 0.00	25.75 1.46 0.00	23.61 1.40 0.00	21.97 1.28 0.00	22.51 1.31 0.00	26.14 1.24 0.00	31.52 1.36 0.00	34.86 1.56 0.00	36.38 1.57 0.00	34.79 1.34 0.00	36.82 1.52 0.00	37.32 1.50 0.00	37.17 1.01 0.00	37.32 1.02 0.00	37.00 1.04 0.00	39.53 1.34 0.00	41.78 1.30 0.00	44.70 1.60 0.00	48.09 1.67 0.00	49.92 1.83 0.00	47.24 1.77 0.00	42.79 1.65 0.00	36.64 1.34 0.00	32.34 1.69 0.00
DANC__LFGE 323619	27.32 0.40 0.00	24.66 0.36 0.00	22.50 0.29 0.00	20.91 0.23 0.00	21.45 0.26 0.00	25.12 0.22 0.00	30.34 0.18 0.00	33.56 0.27 0.00	35.02 0.21 0.00	33.61 0.17 0.00	35.55 0.25 0.00	35.89 0.07 0.00	36.20 0.04 0.00	36.31 0.00 0.00	35.92 -0.04 0.00	38.15 -0.04 0.00	40.40 -0.08 0.00	42.93 -0.17 0.00	46.51 0.09 0.00	48.47 0.38 0.00	45.87 0.41 0.00	41.64 0.50 0.00	35.65 0.35 0.00	30.93 0.28 0.00
DANSKAMMER__1 23586	28.45 1.53 0.00	25.65 1.36 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.02 1.73 0.00	36.51 1.71 0.00	35.05 1.61 0.00	36.92 1.62 0.00	37.57 1.75 0.00	38.00 1.84 0.00	38.12 1.81 0.00	37.83 1.87 0.00	40.21 2.02 0.00	42.71 2.23 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.78 2.69 0.00	48.06 2.59 0.00	43.41 2.26 0.00	37.20 1.90 0.00	32.34 1.69 0.00
DANSKAMMER__2 23589	28.45 1.53 0.00	25.65 1.36 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.02 1.73 0.00	36.51 1.71 0.00	35.05 1.61 0.00	36.92 1.62 0.00	37.57 1.75 0.00	38.00 1.84 0.00	38.12 1.81 0.00	37.83 1.87 0.00	40.21 2.02 0.00	42.71 2.23 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.78 2.69 0.00	48.06 2.59 0.00	43.41 2.26 0.00	37.20 1.90 0.00	32.34 1.69 0.00
DANSKAMMER__3 23590	28.45 1.53 0.00	25.65 1.36 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.02 1.73 0.00	36.51 1.71 0.00	35.05 1.61 0.00	36.92 1.62 0.00	37.57 1.75 0.00	38.00 1.84 0.00	38.12 1.81 0.00	37.83 1.87 0.00	40.21 2.02 0.00	42.71 2.23 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.78 2.69 0.00	48.06 2.59 0.00	43.41 2.26 0.00	37.20 1.90 0.00	32.34 1.69 0.00



DANSKAMMER___4 23591	28.45 1.53 0.00	25.65 1.36 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.02 1.73 0.00	36.51 1.71 0.00	35.05 1.61 0.00	36.92 1.62 0.00	37.57 1.75 0.00	38.00 1.84 0.00	38.12 1.81 0.00	37.83 1.87 0.00	40.21 2.02 0.00	42.71 2.23 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.78 2.69 0.00	48.06 2.59 0.00	43.41 2.26 0.00	37.20 1.90 0.00	32.34 1.69 0.00
DANSKAMMER___DIESEL 23592	28.45 1.53 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.09 1.64 0.00	37.03 1.73 0.00	37.61 1.79 0.00	37.97 1.81 0.00	38.23 1.92 0.00	38.01 2.05 0.00	40.29 2.10 0.00	42.75 2.27 0.00	45.73 2.63 0.00	49.07 2.65 0.00	50.93 2.84 0.00	48.15 2.68 0.00	43.49 2.35 0.00	37.14 1.84 0.00	32.31 1.66 0.00
DARBY___SOLAR 323810	28.37 1.45 0.00	25.65 1.36 0.00	23.52 1.31 0.00	21.88 1.20 0.00	22.43 1.23 0.00	26.07 1.17 0.00	31.42 1.27 0.00	34.75 1.46 0.00	36.24 1.43 0.00	34.65 1.20 0.00	36.67 1.38 0.00	37.18 1.36 0.00	37.10 0.94 0.00	37.25 0.94 0.00	36.96 1.01 0.00	39.45 1.26 0.00	41.74 1.26 0.00	44.61 1.51 0.00	48.00 1.58 0.00	49.82 1.73 0.00	47.15 1.68 0.00	42.71 1.56 0.00	36.57 1.27 0.00	32.22 1.56 0.00
DASHVILLE___HYD 23610	28.29 1.37 0.00	25.58 1.29 0.00	23.46 1.24 0.00	21.86 1.18 0.00	22.38 1.19 0.00	25.97 1.07 0.00	31.24 1.09 0.00	34.69 1.40 0.00	36.27 1.46 0.00	34.72 1.27 0.00	36.64 1.34 0.00	37.22 1.40 0.00	37.57 1.41 0.00	37.83 1.52 0.00	37.61 1.65 0.00	39.87 1.68 0.00	42.30 1.82 0.00	45.26 2.16 0.00	48.60 2.18 0.00	50.44 2.36 0.00	47.69 2.23 0.00	43.12 1.97 0.00	36.85 1.55 0.00	32.07 1.41 0.00
DELAWARE___LFGE 323621	27.86 0.94 0.00	25.17 0.87 0.00	23.04 0.82 0.00	21.45 0.77 0.00	21.98 0.78 0.00	25.62 0.72 0.00	30.88 0.72 0.00	34.19 0.90 0.00	35.75 0.94 0.00	34.32 0.87 0.00	36.25 0.95 0.00	36.79 0.97 0.00	37.17 1.01 0.00	37.32 1.02 0.00	37.04 1.08 0.00	39.34 1.15 0.00	41.70 1.21 0.00	44.35 1.25 0.00	47.77 1.35 0.00	49.53 1.44 0.00	46.83 1.36 0.00	42.38 1.23 0.00	36.29 0.99 0.00	31.58 0.92 0.00
DERFIELD_115KV_TB7 355931	27.08 0.16 0.00	24.44 0.15 0.00	22.37 0.16 0.00	20.83 0.14 0.00	21.35 0.15 0.00	24.99 0.10 0.00	30.22 0.06 0.00	33.36 0.07 0.00	34.88 0.07 0.00	33.48 0.03 0.00	35.33 0.04 0.00	35.86 0.04 0.00	36.20 0.04 0.00	36.38 0.07 0.00	36.03 0.07 0.00	38.27 0.08 0.00	40.56 0.08 0.00	43.19 0.09 0.00	46.51 0.09 0.00	48.18 0.10 0.00	45.56 0.09 0.00	41.23 0.08 0.00	35.37 0.07 0.00	30.75 0.09 0.00
DOGLEVILLE___HYD 23807	26.51 -0.40 0.00	23.95 -0.34 0.00	21.90 -0.31 0.00	20.37 -0.31 0.00	20.88 -0.32 0.00	24.45 -0.45 0.00	29.58 -0.57 0.00	32.69 -0.60 0.00	34.15 -0.66 0.00	32.78 -0.67 0.00	34.59 -0.71 0.00	35.07 -0.75 0.00	35.36 -0.80 0.00	35.51 -0.80 0.00	35.17 -0.79 0.00	37.35 -0.84 0.00	39.55 -0.93 0.00	42.03 -1.08 0.00	45.26 -1.16 0.00	46.93 -1.15 0.00	44.42 -1.05 0.00	40.24 -0.91 0.00	34.56 -0.74 0.00	30.08 -0.58 0.00
DUNKIRK__115KV_TB_200 55889	27.75 0.83 0.00	24.97 0.68 0.00	22.46 0.24 0.00	20.83 0.14 0.00	21.28 0.08 0.00	25.12 0.22 0.00	29.67 -0.48 0.00	32.36 -0.93 0.00	34.04 -0.77 0.00	33.41 -0.03 0.00	34.70 -0.60 0.00	35.46 -0.36 0.00	35.94 -0.22 0.00	35.91 -0.40 0.00	35.35 -0.61 0.00	37.89 -0.31 0.00	40.48 0.00 0.00	42.37 -0.73 0.00	46.42 0.00 0.00	47.90 -0.19 0.00	45.47 0.00 0.00	40.57 -0.58 0.00	35.37 0.07 0.00	31.00 0.34 0.00
DUNKIRK___1 23563	27.75 0.83 0.00	24.97 0.68 0.00	22.46 0.24 0.00	20.83 0.14 0.00	21.28 0.08 0.00	25.12 0.22 0.00	29.67 -0.48 0.00	32.36 -0.93 0.00	34.04 -0.77 0.00	33.41 -0.03 0.00	34.70 -0.60 0.00	35.46 -0.36 0.00	35.94 -0.22 0.00	35.91 -0.40 0.00	35.35 -0.61 0.00	37.89 -0.31 0.00	40.48 0.00 0.00	42.37 -0.73 0.00	46.42 0.00 0.00	47.90 -0.19 0.00	45.47 0.00 0.00	40.57 -0.58 0.00	35.37 0.07 0.00	31.00 0.34 0.00
DUNKIRK___2 23564	27.75 0.83 0.00	24.97 0.68 0.00	22.46 0.24 0.00	20.83 0.14 0.00	21.28 0.08 0.00	25.12 0.22 0.00	29.67 -0.48 0.00	32.36 -0.93 0.00	34.04 -0.77 0.00	33.41 -0.03 0.00	34.70 -0.60 0.00	35.46 -0.36 0.00	35.94 -0.22 0.00	35.91 -0.40 0.00	35.35 -0.61 0.00	37.89 -0.31 0.00	40.48 0.00 0.00	42.37 -0.73 0.00	46.42 0.00 0.00	47.90 -0.19 0.00	45.47 0.00 0.00	40.57 -0.58 0.00	35.37 0.07 0.00	31.00 0.34 0.00
DUNKIRK___3 23565	27.70 0.78 0.00	24.95 0.66 0.00	22.44 0.22 0.00	20.79 0.10 0.00	21.24 0.04 0.00	25.04 0.15 0.00	29.58 -0.57 0.00	32.22 -1.07 0.00	33.90 -0.91 0.00	33.25 -0.20 0.00	34.56 -0.74 0.00	35.32 -0.50 0.00	35.76 -0.40 0.00	35.76 -0.54 0.00	35.20 -0.76 0.00	37.70 -0.50 0.00	40.32 -0.16 0.00	42.20 -0.91 0.00	46.24 -0.19 0.00	47.70 -0.38 0.00	45.28 -0.18 0.00	40.44 -0.70 0.00	35.26 -0.04 0.00	30.94 0.28 0.00
DUNKIRK___4 23566	27.70 0.78 0.00	24.95 0.66 0.00	22.44 0.22 0.00	20.79 0.10 0.00	21.24 0.04 0.00	25.04 0.15 0.00	29.58 -0.57 0.00	32.22 -1.07 0.00	33.90 -0.91 0.00	33.25 -0.20 0.00	34.56 -0.74 0.00	35.32 -0.50 0.00	35.76 -0.40 0.00	35.76 -0.54 0.00	35.20 -0.76 0.00	37.70 -0.50 0.00	40.32 -0.16 0.00	42.20 -0.91 0.00	46.24 -0.19 0.00	47.70 -0.38 0.00	45.28 -0.18 0.00	40.44 -0.70 0.00	35.26 -0.04 0.00	30.94 0.28 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	28.56 1.64 0.00	25.82 1.53 0.00	23.68 1.47 0.00	22.11 1.43 0.00	22.64 1.44 0.00	26.21 1.32 0.00	31.60 1.45 0.00	35.19 1.90 0.00	36.83 2.02 0.00	35.29 1.84 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.26 2.10 0.00	38.56 2.25 0.00	38.29 2.34 0.00	40.56 2.37 0.00	42.99 2.51 0.00	45.91 2.80 0.00	49.25 2.83 0.00	51.07 2.98 0.00	48.29 2.82 0.00	43.65 2.51 0.00	37.31 2.01 0.00	32.47 1.81 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	28.34 1.43 0.00	25.63 1.34 0.00	23.50 1.29 0.00	21.92 1.24 0.00	22.43 1.23 0.00	26.04 1.15 0.00	31.36 1.21 0.00	34.85 1.56 0.00	36.44 1.64 0.00	34.92 1.47 0.00	36.85 1.55 0.00	37.47 1.65 0.00	37.79 1.63 0.00	38.08 1.78 0.00	37.83 1.87 0.00	40.10 1.91 0.00	42.55 2.06 0.00	45.47 2.37 0.00	48.83 2.41 0.00	50.69 2.60 0.00	47.92 2.46 0.00	43.28 2.14 0.00	36.99 1.69 0.00	32.16 1.50 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	28.51 1.59 0.00	25.73 1.43 0.00	23.61 1.40 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.09 1.19 0.00	31.48 1.33 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.31 2.01 0.00	37.90 2.08 0.00	38.26 2.10 0.00	38.56 2.25 0.00	38.33 2.37 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.97 2.50 0.00	43.45 2.30 0.00	37.24 1.94 0.00	32.44 1.78 0.00



E179THST_13_KV_LOAD 356214	28.64 1.72 0.00	25.85 1.55 0.00	23.70 1.49 0.00	22.13 1.45 0.00	22.66 1.46 0.00	26.19 1.29 0.00	31.60 1.45 0.00	35.29 2.00 0.00	37.00 2.19 0.00	35.49 2.04 0.00	37.49 2.19 0.00	38.08 2.26 0.00	38.47 2.31 0.00	38.74 2.43 0.00	38.51 2.55 0.00	40.71 2.52 0.00	43.11 2.63 0.00	45.99 2.89 0.00	49.25 2.83 0.00	51.02 2.93 0.00	48.19 2.73 0.00	43.65 2.51 0.00	37.42 2.12 0.00	32.59 1.93 0.00
EAST HAMPTON___GT 23717	30.24 3.31 -0.01	27.14 2.84 -0.01	25.31 3.09 -0.01	23.59 2.90 -0.01	24.30 3.09 -0.01	27.41 2.51 0.00	32.81 2.65 0.00	36.85 3.56 0.00	37.70 2.89 0.00	36.69 3.24 0.00	38.90 3.60 0.00	39.65 3.83 0.00	40.03 3.87 0.00	40.27 3.96 -0.01	40.10 4.13 -0.01	42.36 4.16 0.00	45.39 4.90 -0.01	48.33 5.21 -0.01	51.95 5.52 -0.01	52.94 4.85 0.00	50.25 4.77 -0.01	46.00 4.85 -0.01	39.43 4.13 0.00	34.59 3.93 -0.01
EAST RIVER___6 23660	28.69 1.78 0.00	25.85 1.56 0.00	23.77 1.55 0.00	22.19 1.51 0.00	22.72 1.53 0.00	26.31 1.42 0.00	31.78 1.63 0.00	35.39 2.10 0.00	37.00 2.19 0.00	35.49 2.04 0.00	37.38 2.08 0.00	38.04 2.22 0.00	38.48 2.32 0.00	38.59 2.29 0.00	38.29 2.34 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.08 2.97 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.42 2.95 0.00	43.70 2.55 0.00	37.63 2.33 0.00	32.68 2.02 0.00
EAST RIVER___7 23524	28.69 1.78 0.00	25.85 1.56 0.00	23.77 1.55 0.00	22.19 1.51 0.00	22.72 1.53 0.00	26.31 1.42 0.00	31.78 1.63 0.00	35.39 2.10 0.00	37.00 2.19 0.00	35.49 2.04 0.00	37.38 2.08 0.00	38.04 2.22 0.00	38.48 2.32 0.00	38.59 2.29 0.00	38.29 2.34 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.08 2.97 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.42 2.95 0.00	43.70 2.55 0.00	37.63 2.33 0.00	32.68 2.02 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	28.51 1.59 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.07 1.39 0.00	22.60 1.40 0.00	26.16 1.27 0.00	31.51 1.36 0.00	35.12 1.83 0.00	36.76 1.95 0.00	35.19 1.74 0.00	37.21 1.91 0.00	37.79 1.97 0.00	38.15 1.99 0.00	38.45 2.14 0.00	38.19 2.23 0.00	40.45 2.25 0.00	42.87 2.39 0.00	45.78 2.67 0.00	49.16 2.74 0.00	50.97 2.89 0.00	48.15 2.68 0.00	43.57 2.43 0.00	37.21 1.91 0.00	32.38 1.72 0.00
EAST_HAMPTON___DIESEL 23722	30.24 3.31 -0.01	27.12 2.82 -0.01	25.29 3.07 -0.01	23.59 2.90 -0.01	24.30 3.09 -0.01	27.41 2.51 0.00	32.78 2.62 0.00	36.85 3.56 0.00	37.66 2.85 0.00	36.69 3.24 0.00	38.86 3.56 0.00	39.65 3.83 0.00	39.99 3.83 0.00	40.27 3.96 -0.01	40.10 4.13 -0.01	42.32 4.13 0.00	45.39 4.90 -0.01	48.33 5.21 -0.01	51.95 5.52 -0.01	52.94 4.85 0.00	50.20 4.73 -0.01	45.96 4.81 -0.01	39.43 4.13 0.00	34.59 3.93 -0.01
EAST_POINT___SOLAR 323840	29.93 3.01 0.00	26.94 2.65 0.00	24.61 2.40 0.00	22.85 2.17 0.00	23.47 2.27 0.00	27.53 2.64 0.00	33.08 2.92 0.00	36.39 3.10 0.00	37.98 3.17 0.00	36.22 2.77 0.00	38.34 3.04 0.00	38.79 2.97 0.00	39.09 2.93 0.00	39.28 2.98 0.00	39.01 3.05 0.00	41.67 3.48 0.00	44.13 3.64 0.00	46.94 3.83 0.00	50.74 4.32 0.00	53.14 5.05 0.00	50.47 5.00 0.00	45.63 4.49 0.00	39.04 3.74 0.00	33.88 3.22 0.00
EAST_PULASKI___ESR 323781	27.03 0.11 0.00	24.39 0.10 0.00	22.24 0.02 0.00	20.68 0.00 0.00	21.22 0.02 0.00	24.82 -0.07 0.00	29.91 -0.24 0.00	32.99 -0.30 0.00	34.49 -0.31 0.00	33.18 -0.27 0.00	35.05 -0.25 0.00	35.50 -0.32 0.00	35.80 -0.36 0.00	35.98 -0.33 0.00	35.60 -0.36 0.00	37.77 -0.42 0.00	40.04 -0.44 0.00	42.54 -0.56 0.00	46.00 -0.42 0.00	47.80 -0.29 0.00	45.29 -0.18 0.00	41.02 -0.12 0.00	35.16 -0.14 0.00	30.60 -0.06 0.00
EAST_RIVER___1 323558	28.67 1.75 0.00	25.82 1.53 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.51 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.35 2.06 0.00	36.93 2.12 0.00	35.49 2.04 0.00	37.38 2.08 0.00	38.04 2.22 0.00	38.48 2.32 0.00	38.59 2.29 0.00	38.29 2.34 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.08 2.97 0.00	49.39 2.97 0.00	51.07 2.98 0.00	48.33 2.87 0.00	43.65 2.51 0.00	37.56 2.26 0.00	32.62 1.96 0.00
EAST_RIVER___2 323559	28.69 1.78 0.00	25.85 1.56 0.00	23.77 1.55 0.00	22.19 1.51 0.00	22.72 1.53 0.00	26.31 1.42 0.00	31.78 1.63 0.00	35.39 2.10 0.00	37.00 2.19 0.00	35.49 2.04 0.00	37.38 2.08 0.00	38.04 2.22 0.00	38.48 2.32 0.00	38.59 2.29 0.00	38.29 2.34 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.08 2.97 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.42 2.95 0.00	43.70 2.55 0.00	37.63 2.33 0.00	32.68 2.02 0.00
EAST___DELAWARE_HYD 23607	28.34 1.43 0.00	25.55 1.26 0.00	23.46 1.24 0.00	21.86 1.18 0.00	22.38 1.19 0.00	25.99 1.09 0.00	31.33 1.17 0.00	34.86 1.56 0.00	36.34 1.53 0.00	34.88 1.44 0.00	36.75 1.45 0.00	37.39 1.57 0.00	37.82 1.66 0.00	37.94 1.64 0.00	37.65 1.69 0.00	40.10 1.91 0.00	42.59 2.10 0.00	45.56 2.46 0.00	48.97 2.55 0.00	50.78 2.69 0.00	48.01 2.54 0.00	43.36 2.22 0.00	37.13 1.83 0.00	32.22 1.56 0.00
EIGHT_POINT___WT_PWR 323820	27.80 0.89 0.00	25.24 0.95 0.00	22.66 0.44 0.00	21.01 0.33 0.00	21.52 0.32 0.00	25.29 0.40 0.00	30.13 -0.03 0.00	32.89 -0.40 0.00	34.53 -0.28 0.00	33.45 0.00 0.00	35.05 -0.25 0.00	35.61 -0.21 0.00	35.94 -0.22 0.00	36.41 0.11 0.00	35.99 0.04 0.00	37.88 -0.31 0.00	40.36 -0.12 0.00	42.37 -0.73 0.00	46.47 0.05 0.00	48.52 0.43 0.00	45.79 0.32 0.00	41.31 0.17 0.00	35.51 0.21 0.00	31.21 0.55 0.00
ELBRIDGE_115KV_TB2 80188	27.08 0.16 0.00	24.41 0.12 0.00	22.26 0.04 0.00	20.70 0.02 0.00	21.22 0.02 0.00	24.85 -0.05 0.00	29.95 -0.21 0.00	32.89 -0.40 0.00	34.39 -0.42 0.00	33.21 -0.23 0.00	34.98 -0.32 0.00	35.53 -0.29 0.00	35.91 -0.25 0.00	36.01 -0.29 0.00	35.63 -0.32 0.00	37.92 -0.27 0.00	40.24 -0.24 0.00	42.72 -0.39 0.00	46.19 -0.23 0.00	47.80 -0.29 0.00	45.28 -0.18 0.00	40.86 -0.29 0.00	35.09 -0.21 0.00	30.63 -0.03 0.00
ELEC_TRO_TEK 24086	29.04 2.13 0.00	26.26 1.97 0.00	24.08 1.87 0.00	22.48 1.80 0.00	23.02 1.82 0.00	26.51 1.62 0.00	31.88 1.72 0.00	35.52 2.23 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.73 2.44 0.00	38.33 2.51 0.00	38.66 2.50 0.00	38.99 2.69 0.00	38.73 2.77 0.00	41.02 2.83 0.00	43.60 3.12 0.00	46.51 3.41 0.00	49.95 3.53 0.00	51.84 3.75 0.00	48.92 3.46 0.00	44.27 3.13 0.00	37.74 2.44 0.00	32.96 2.30 0.00
ELLENBURG_WT_PWR 323604	26.57 -0.35 0.00	23.95 -0.34 0.00	21.92 -0.29 0.00	20.41 -0.27 0.00	20.94 -0.25 0.00	24.85 -0.05 0.00	30.34 0.18 0.00	33.66 0.37 0.00	35.33 0.52 0.00	33.95 0.50 0.00	35.79 0.49 0.00	36.28 0.46 0.00	36.60 0.44 0.00	36.63 0.33 0.00	36.24 0.29 0.00	38.38 0.19 0.00	40.56 0.08 0.00	43.23 0.13 0.00	46.51 0.09 0.00	48.04 -0.05 0.00	45.33 -0.14 0.00	40.98 -0.16 0.00	35.16 -0.14 0.00	30.32 -0.34 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	27.56 0.65 0.00	24.83 0.53 0.00	22.33 0.11 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.92 0.02 0.00	29.37 -0.78 0.00	31.96 -1.33 0.00	33.59 -1.22 0.00	32.94 -0.50 0.00	34.20 -1.09 0.00	34.96 -0.86 0.00	35.40 -0.76 0.00	35.36 -0.94 0.00	34.84 -1.11 0.00	37.31 -0.88 0.00	39.87 -0.61 0.00	41.77 -1.34 0.00	45.72 -0.70 0.00	47.22 -0.87 0.00	44.83 -0.64 0.00	40.16 -0.99 0.00	35.05 -0.25 0.00	30.81 0.15 0.00
EMPIRE_CC_1 323656	27.54 0.62 0.00	24.95 0.66 0.00	22.95 0.73 0.00	21.39 0.70 0.00	21.87 0.68 0.00	25.39 0.50 0.00	30.55 0.39 0.00	33.86 0.57 0.00	35.23 0.42 0.00	33.75 0.30 0.00	35.65 0.35 0.00	36.18 0.36 0.00	36.56 0.40 0.00	36.71 0.40 0.00	36.32 0.36 0.00	38.65 0.46 0.00	40.93 0.45 0.00	43.84 0.73 0.00	47.07 0.65 0.00	48.71 0.62 0.00	46.10 0.64 0.00	41.80 0.66 0.00	35.86 0.56 0.00	31.30 0.64 0.00
EMPIRE_CC_2 323658	27.54 0.62 0.00	24.95 0.66 0.00	22.95 0.73 0.00	21.39 0.70 0.00	21.87 0.68 0.00	25.39 0.50 0.00	30.55 0.39 0.00	33.86 0.57 0.00	35.23 0.42 0.00	33.75 0.30 0.00	35.65 0.35 0.00	36.18 0.36 0.00	36.56 0.40 0.00	36.71 0.40 0.00	36.32 0.36 0.00	38.65 0.46 0.00	40.93 0.45 0.00	43.84 0.73 0.00	47.07 0.65 0.00	48.71 0.62 0.00	46.10 0.64 0.00	41.80 0.66 0.00	35.86 0.56 0.00	31.30 0.64 0.00
ENORWICH_115KV_TB1 80156	28.80 1.88 0.00	25.97 1.68 0.00	23.72 1.51 0.00	22.05 1.37 0.00	22.62 1.42 0.00	26.46 1.57 0.00	31.94 1.78 0.00	35.32 2.03 0.00	36.83 2.02 0.00	35.39 1.94 0.00	37.24 1.94 0.00	37.68 1.86 0.00	38.08 1.92 0.00	38.08 1.78 0.00	37.75 1.80 0.00	40.25 2.06 0.00	42.71 2.23 0.00	45.35 2.24 0.00	49.21 2.79 0.00	51.21 3.13 0.00	48.56 3.09 0.00	43.90 2.76 0.00	37.49 2.19 0.00	32.50 1.84 0.00
ERIE_ST__34_KV_TB1-2 80199	27.64 0.73 0.00	24.90 0.61 0.00	22.39 0.18 0.00	20.74 0.06 0.00	21.20 0.00 0.00	24.97 0.07 0.00	29.49 -0.66 0.00	32.09 -1.20 0.00	33.73 -1.08 0.00	33.08 -0.37 0.00	34.38 -0.92 0.00	35.14 -0.68 0.00	35.58 -0.58 0.00	35.62 -0.69 0.00	35.13 -0.83 0.00	37.66 -0.53 0.00	40.28 -0.20 0.00	42.16 -0.95 0.00	46.14 -0.28 0.00	47.70 -0.38 0.00	45.19 -0.27 0.00	40.40 -0.74 0.00	35.23 -0.07 0.00	30.90 0.25 0.00
ERIE_WT_PWR 323693	27.67 0.75 0.00	25.27 0.97 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	25.02 0.13 0.00	29.52 -0.63 0.00	32.12 -1.17 0.00	34.11 -0.70 0.00	33.18 -0.27 0.00	34.73 -0.57 0.00	35.35 -0.47 0.00	35.69 -0.47 0.00	36.31 0.00 0.00	35.96 0.00 0.00	37.69 -0.50 0.00	40.36 -0.12 0.00	42.03 -1.08 0.00	46.10 -0.32 0.00	48.09 0.00 0.00	45.33 -0.14 0.00	40.94 -0.20 0.00	35.23 -0.07 0.00	31.27 0.61 0.00
ESPRGFLD_115KV_TB1 80157	30.28 3.36 0.00	27.23 2.94 0.00	24.88 2.67 0.00	23.10 2.42 0.00	23.72 2.52 0.00	27.86 2.96 0.00	33.62 3.47 0.00	37.15 3.86 0.00	38.88 4.07 0.00	37.13 3.68 0.00	39.32 4.02 0.00	39.83 4.01 0.00	40.17 4.01 0.00	40.33 4.03 0.00	39.98 4.03 0.00	42.58 4.39 0.00	45.14 4.66 0.00	47.93 4.83 0.00	51.81 5.38 0.00	54.05 5.96 0.00	51.24 5.77 0.00	46.29 5.14 0.00	39.64 4.34 0.00	34.31 3.65 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	27.72 0.81 0.00	25.00 0.70 0.00	22.81 0.60 0.00	21.20 0.52 0.00	21.73 0.53 0.00	25.44 0.55 0.00	30.67 0.51 0.00	33.76 0.47 0.00	35.23 0.42 0.00	33.98 0.54 0.00	35.79 0.49 0.00	36.28 0.47 0.00	36.67 0.51 0.00	36.78 0.47 0.00	36.39 0.43 0.00	38.76 0.57 0.00	41.17 0.69 0.00	43.75 0.65 0.00	47.40 0.97 0.00	49.15 1.06 0.00	46.56 1.09 0.00	42.01 0.86 0.00	36.01 0.71 0.00	31.33 0.67 0.00
ETNA____115KV_TB2 80207	27.72 0.81 0.00	25.00 0.70 0.00	22.81 0.60 0.00	21.20 0.52 0.00	21.73 0.53 0.00	25.44 0.55 0.00	30.67 0.51 0.00	33.76 0.47 0.00	35.23 0.42 0.00	33.98 0.54 0.00	35.79 0.49 0.00	36.28 0.47 0.00	36.67 0.51 0.00	36.78 0.47 0.00	36.39 0.43 0.00	38.76 0.57 0.00	41.17 0.69 0.00	43.75 0.65 0.00	47.40 0.97 0.00	49.15 1.06 0.00	46.56 1.09 0.00	42.01 0.86 0.00	36.01 0.71 0.00	31.33 0.67 0.00
EUCLID__115KV_TB2 356179	26.89 -0.03 0.00	24.24 -0.05 0.00	22.13 -0.09 0.00	20.58 -0.10 0.00	21.09 -0.11 0.00	24.70 -0.20 0.00	29.76 -0.39 0.00	32.69 -0.60 0.00	34.22 -0.59 0.00	33.01 -0.43 0.00	34.80 -0.49 0.00	35.35 -0.47 0.00	35.69 -0.47 0.00	35.83 -0.47 0.00	35.45 -0.50 0.00	37.70 -0.50 0.00	40.00 -0.49 0.00	42.46 -0.65 0.00	45.86 -0.56 0.00	47.51 -0.58 0.00	44.97 -0.50 0.00	40.61 -0.53 0.00	34.88 -0.42 0.00	30.44 -0.21 0.00
E_CANADA_CAP_HY 24051	30.07 3.15 0.00	27.06 2.77 0.00	24.72 2.51 0.00	22.96 2.28 0.00	23.57 2.37 0.00	27.66 2.76 0.00	33.32 3.17 0.00	36.75 3.46 0.00	38.43 3.62 0.00	36.69 3.24 0.00	38.79 3.50 0.00	39.29 3.47 0.00	39.56 3.40 0.00	39.72 3.41 0.00	39.41 3.45 0.00	42.09 3.90 0.00	44.57 4.09 0.00	47.33 4.23 0.00	51.11 4.69 0.00	53.38 5.29 0.00	50.60 5.14 0.00	45.75 4.61 0.00	39.22 3.92 0.00	34.06 3.40 0.00
E_CANADA_MHWK_HY 24050	26.51 -0.40 0.00	23.93 -0.36 0.00	21.90 -0.31 0.00	20.37 -0.31 0.00	20.88 -0.32 0.00	24.45 -0.45 0.00	29.58 -0.57 0.00	32.69 -0.60 0.00	34.15 -0.66 0.00	32.74 -0.70 0.00	34.56 -0.74 0.00	35.03 -0.79 0.00	35.36 -0.80 0.00	35.47 -0.83 0.00	35.13 -0.83 0.00	37.35 -0.84 0.00	39.55 -0.93 0.00	42.03 -1.08 0.00	45.26 -1.16 0.00	46.93 -1.15 0.00	44.37 -1.09 0.00	40.20 -0.94 0.00	34.56 -0.74 0.00	30.08 -0.58 0.00
E_FISHKILL__LBMP 23776	28.26 1.35 0.00	25.58 1.29 0.00	23.46 1.24 0.00	21.88 1.20 0.00	22.41 1.21 0.00	25.99 1.10 0.00	31.27 1.12 0.00	34.79 1.50 0.00	36.38 1.57 0.00	34.82 1.37 0.00	36.82 1.52 0.00	37.40 1.58 0.00	37.75 1.59 0.00	38.01 1.71 0.00	37.75 1.80 0.00	40.02 1.83 0.00	42.43 1.94 0.00	45.30 2.20 0.00	48.65 2.23 0.00	50.44 2.36 0.00	47.69 2.23 0.00	43.16 2.02 0.00	36.89 1.59 0.00	32.10 1.44 0.00
FALCON__SEABRD_CC1 323796	26.84 -0.08 0.00	24.22 -0.07 0.00	22.15 -0.07 0.00	20.62 -0.06 0.00	21.18 -0.02 0.00	25.12 0.22 0.00	30.67 0.51 0.00	34.06 0.77 0.00	35.75 0.94 0.00	34.35 0.90 0.00	36.22 0.92 0.00	36.72 0.90 0.00	37.03 0.87 0.00	37.07 0.76 0.00	36.68 0.72 0.00	38.84 0.65 0.00	41.05 0.57 0.00	43.75 0.65 0.00	47.07 0.65 0.00	48.57 0.48 0.00	45.83 0.36 0.00	41.43 0.29 0.00	35.51 0.21 0.00	30.66 0.00 0.00
FALCON__SEABRD_CC2 323797	26.84 -0.08 0.00	24.22 -0.07 0.00	22.15 -0.07 0.00	20.62 -0.06 0.00	21.18 -0.02 0.00	25.12 0.22 0.00	30.67 0.51 0.00	34.06 0.77 0.00	35.75 0.94 0.00	34.35 0.90 0.00	36.22 0.92 0.00	36.72 0.90 0.00	37.03 0.87 0.00	37.07 0.76 0.00	36.68 0.72 0.00	38.84 0.65 0.00	41.05 0.57 0.00	43.75 0.65 0.00	47.07 0.65 0.00	48.57 0.48 0.00	45.83 0.36 0.00	41.43 0.29 0.00	35.51 0.21 0.00	30.66 0.00 0.00



FAR ROCKAWAY___4 23548	29.45 2.53 0.00	26.62 2.33 0.00	24.39 2.18 0.00	22.75 2.07 0.00	23.30 2.10 0.00	26.84 1.94 0.00	32.27 2.11 0.00	36.02 2.73 0.00	37.56 2.75 0.00	36.09 2.64 0.00	38.30 3.00 0.00	38.86 3.04 0.00	39.20 3.04 0.00	39.54 3.23 0.00	39.26 3.31 0.00	41.55 3.36 0.00	44.21 3.72 0.00	47.20 4.09 0.00	50.74 4.32 0.00	52.61 4.52 0.00	49.69 4.23 0.00	44.97 3.83 0.00	38.34 3.04 0.00	33.48 2.82 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	28.67 1.75 0.00	25.90 1.60 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.29 1.39 0.00	31.69 1.54 0.00	35.35 2.06 0.00	37.07 2.26 0.00	35.52 2.07 0.00	37.49 2.19 0.00	38.08 2.26 0.00	38.44 2.28 0.00	38.74 2.43 0.00	38.47 2.52 0.00	40.79 2.60 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.44 3.02 0.00	51.21 3.13 0.00	48.38 2.91 0.00	43.78 2.63 0.00	37.45 2.15 0.00	32.59 1.93 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	28.67 1.75 0.00	25.90 1.60 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.35 2.06 0.00	37.07 2.26 0.00	35.52 2.07 0.00	37.49 2.19 0.00	38.11 2.29 0.00	38.47 2.31 0.00	38.74 2.43 0.00	38.51 2.55 0.00	40.79 2.60 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.48 3.06 0.00	51.26 3.17 0.00	48.42 2.96 0.00	43.82 2.67 0.00	37.45 2.15 0.00	32.59 1.93 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	28.64 1.72 0.00	25.90 1.60 0.00	23.72 1.51 0.00	22.17 1.49 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.69 1.54 0.00	35.35 2.06 0.00	37.04 2.23 0.00	35.52 2.07 0.00	37.49 2.19 0.00	38.08 2.26 0.00	38.44 2.28 0.00	38.74 2.43 0.00	38.47 2.52 0.00	40.79 2.60 0.00	43.15 2.67 0.00	46.12 3.02 0.00	49.44 3.02 0.00	51.21 3.13 0.00	48.38 2.91 0.00	43.78 2.63 0.00	37.45 2.15 0.00	32.56 1.90 0.00
FARRAGUT___LBMP 323566	28.64 1.72 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.32 2.03 0.00	37.00 2.19 0.00	35.49 2.04 0.00	37.45 2.15 0.00	38.04 2.22 0.00	38.40 2.24 0.00	38.70 2.40 0.00	38.44 2.48 0.00	40.75 2.56 0.00	43.15 2.67 0.00	46.08 2.97 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.42 2.12 0.00	32.56 1.90 0.00
FENNER___WINDPWR 24204	27.62 0.70 0.00	24.92 0.63 0.00	22.75 0.53 0.00	21.16 0.48 0.00	21.68 0.49 0.00	25.42 0.52 0.00	30.70 0.54 0.00	33.89 0.60 0.00	35.40 0.59 0.00	34.05 0.60 0.00	35.97 0.67 0.00	36.46 0.65 0.00	36.81 0.65 0.00	36.99 0.69 0.00	36.64 0.68 0.00	38.92 0.72 0.00	41.29 0.81 0.00	43.84 0.73 0.00	47.35 0.93 0.00	49.20 1.11 0.00	46.51 1.05 0.00	42.09 0.95 0.00	36.04 0.74 0.00	31.33 0.67 0.00
FIBERTEK___ENERGY 23856	27.16 0.24 0.00	24.49 0.19 0.00	22.35 0.13 0.00	20.77 0.08 0.00	21.30 0.11 0.00	24.94 0.05 0.00	30.07 -0.09 0.00	33.06 -0.23 0.00	34.57 -0.24 0.00	33.38 -0.07 0.00	35.19 -0.11 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.23 -0.07 0.00	35.85 -0.11 0.00	38.15 -0.04 0.00	40.48 0.00 0.00	42.97 -0.13 0.00	46.42 0.00 0.00	48.04 -0.05 0.00	45.47 0.00 0.00	41.06 -0.08 0.00	35.26 -0.04 0.00	30.75 0.09 0.00
FITZPATRICK___ 23598	26.46 -0.46 0.00	23.90 -0.39 0.00	21.79 -0.42 0.00	20.27 -0.41 0.00	20.77 -0.42 0.00	24.35 -0.55 0.00	29.37 -0.78 0.00	32.22 -1.07 0.00	33.73 -1.08 0.00	32.48 -0.97 0.00	34.27 -1.02 0.00	34.78 -1.04 0.00	35.11 -1.05 0.00	35.29 -1.02 0.00	34.95 -1.01 0.00	37.08 -1.11 0.00	39.35 -1.13 0.00	41.81 -1.29 0.00	45.12 -1.30 0.00	46.79 -1.30 0.00	44.24 -1.23 0.00	39.99 -1.15 0.00	34.31 -0.99 0.00	29.96 -0.70 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	28.51 1.59 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.19 1.29 0.00	31.51 1.36 0.00	35.05 1.76 0.00	36.69 1.88 0.00	35.12 1.67 0.00	37.06 1.76 0.00	37.68 1.86 0.00	38.04 1.88 0.00	38.30 2.00 0.00	38.08 2.12 0.00	40.37 2.18 0.00	42.83 2.35 0.00	45.82 2.72 0.00	49.16 2.74 0.00	51.02 2.93 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.21 1.91 0.00	32.35 1.69 0.00
FORT ORANGE___ 23900	27.54 0.62 0.00	24.90 0.61 0.00	22.86 0.64 0.00	21.30 0.62 0.00	21.81 0.62 0.00	25.37 0.47 0.00	30.55 0.39 0.00	33.82 0.53 0.00	35.23 0.42 0.00	33.75 0.30 0.00	35.62 0.32 0.00	36.14 0.32 0.00	36.52 0.36 0.00	36.63 0.33 0.00	36.32 0.36 0.00	38.65 0.46 0.00	40.97 0.49 0.00	43.84 0.73 0.00	47.12 0.70 0.00	48.86 0.77 0.00	46.24 0.77 0.00	41.84 0.70 0.00	35.94 0.64 0.00	31.27 0.61 0.00
FORT_DRUM_COGEN 23780	27.70 0.78 0.00	24.95 0.66 0.00	22.81 0.60 0.00	21.20 0.52 0.00	21.77 0.57 0.00	25.52 0.62 0.00	30.91 0.75 0.00	34.26 0.97 0.00	35.68 0.87 0.00	34.18 0.74 0.00	36.15 0.85 0.00	36.43 0.61 0.00	36.67 0.51 0.00	36.70 0.40 0.00	36.28 0.32 0.00	38.61 0.42 0.00	40.93 0.45 0.00	43.54 0.43 0.00	47.21 0.79 0.00	49.29 1.20 0.00	46.74 1.27 0.00	42.42 1.28 0.00	36.29 0.99 0.00	31.36 0.71 0.00
FOX_HILLS___ESR 323835	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.74 1.55 0.00	26.26 1.37 0.00	31.69 1.54 0.00	35.35 2.06 0.00	37.00 2.19 0.00	35.52 2.07 0.00	37.52 2.22 0.00	38.15 2.33 0.00	38.55 2.39 0.00	38.85 2.54 0.00	38.66 2.70 -0.01	40.81 2.60 -0.02	43.15 2.63 -0.04	45.92 2.76 -0.06	49.24 2.79 -0.04	51.19 3.08 -0.02	48.44 2.96 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
FPL_FAR_ROCK_GT1 24212	29.45 2.53 -0.01	26.46 2.16 -0.01	24.40 2.18 -0.01	22.76 2.07 -0.01	23.30 2.10 -0.01	26.84 1.94 0.00	32.27 2.11 0.00	36.02 2.73 0.00	37.11 2.30 0.00	35.92 2.47 0.00	37.95 2.65 0.00	38.65 2.83 0.00	39.05 2.89 0.00	39.25 2.94 -0.01	39.02 3.05 -0.01	41.28 3.09 0.00	44.05 3.56 -0.01	47.03 3.92 -0.01	50.56 4.13 -0.01	51.94 3.85 0.00	49.29 3.82 -0.01	44.81 3.66 -0.01	38.41 3.11 0.00	33.52 2.85 -0.01
FPL_FAR_ROCK_GT2 23815	29.45 2.53 -0.01	26.46 2.16 -0.01	24.40 2.18 -0.01	22.76 2.07 -0.01	23.30 2.10 -0.01	26.84 1.94 0.00	32.27 2.11 0.00	36.02 2.73 0.00	37.11 2.30 0.00	35.92 2.47 0.00	37.95 2.65 0.00	38.65 2.83 0.00	39.05 2.89 0.00	39.25 2.94 -0.01	39.02 3.05 -0.01	41.28 3.09 0.00	44.05 3.56 -0.01	47.03 3.92 -0.01	50.56 4.13 -0.01	51.94 3.85 0.00	49.29 3.82 -0.01	44.81 3.66 -0.01	38.41 3.11 0.00	33.52 2.85 -0.01
FRANKLIN_FALL_HYD 24054	26.81 -0.11 0.00	24.22 -0.07 0.00	22.13 -0.09 0.00	20.62 -0.06 0.00	21.15 -0.04 0.00	25.14 0.25 0.00	30.76 0.60 0.00	34.16 0.87 0.00	35.82 1.01 0.00	34.45 1.00 0.00	36.32 1.02 0.00	36.82 1.00 0.00	37.14 0.98 0.00	37.18 0.87 0.00	36.78 0.83 0.00	38.96 0.76 0.00	41.21 0.73 0.00	43.88 0.78 0.00	47.07 0.65 0.00	48.62 0.53 0.00	45.83 0.36 0.00	41.56 0.41 0.00	35.65 0.35 0.00	30.69 0.03 0.00



FREEPORT_EQUS_GT1 23764	29.29 2.37 -0.01	26.32 2.02 -0.01	24.29 2.07 -0.01	22.66 1.97 -0.01	23.22 2.01 -0.01	26.69 1.79 0.00	32.09 1.93 0.00	35.79 2.50 0.00	36.83 2.02 0.00	35.65 2.21 0.00	37.66 2.37 0.00	38.36 2.54 0.00	38.80 2.64 0.00	39.00 2.69 -0.01	38.77 2.81 -0.01	41.06 2.87 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.24 3.81 -0.01	51.60 3.51 0.00	48.98 3.50 -0.01	44.48 3.33 -0.01	38.16 2.86 0.00	33.33 2.67 -0.01
FREEPORT___CT2 23818	29.29 2.37 -0.01	26.32 2.02 -0.01	24.29 2.07 -0.01	22.66 1.97 -0.01	23.22 2.01 -0.01	26.69 1.79 0.00	32.09 1.93 0.00	35.79 2.50 0.00	36.83 2.02 0.00	35.65 2.21 0.00	37.66 2.37 0.00	38.36 2.54 0.00	38.80 2.64 0.00	39.00 2.69 -0.01	38.77 2.81 -0.01	41.06 2.87 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.24 3.81 -0.01	51.60 3.51 0.00	48.98 3.50 -0.01	44.48 3.33 -0.01	38.16 2.86 0.00	33.33 2.67 -0.01
FRESHKLS_33_KV_LOAD 356253	28.92 1.99 -0.01	26.09 1.80 0.00	23.90 1.69 0.00	22.32 1.63 0.00	22.83 1.63 0.00	26.36 1.47 0.00	31.79 1.63 0.00	35.42 2.13 0.00	37.07 2.26 0.00	35.62 2.17 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.66 2.50 0.00	38.96 2.65 0.00	38.81 2.84 -0.01	40.92 2.71 -0.02	43.23 2.71 -0.04	45.88 2.72 -0.06	49.24 2.79 -0.04	51.33 3.22 -0.02	48.62 3.14 -0.01	44.07 2.92 -0.01	37.78 2.47 -0.01	32.87 2.21 -0.01
FULTON COGEN____ 23766	26.65 -0.27 0.00	24.05 -0.24 0.00	21.95 -0.27 0.00	20.41 -0.27 0.00	20.92 -0.28 0.00	24.50 -0.40 0.00	29.55 -0.60 0.00	32.46 -0.83 0.00	33.94 -0.87 0.00	32.71 -0.74 0.00	34.52 -0.78 0.00	35.03 -0.79 0.00	35.36 -0.80 0.00	35.51 -0.80 0.00	35.13 -0.83 0.00	37.39 -0.80 0.00	39.63 -0.85 0.00	42.11 -0.99 0.00	45.49 -0.93 0.00	47.13 -0.96 0.00	44.60 -0.86 0.00	40.32 -0.82 0.00	34.59 -0.71 0.00	30.20 -0.46 0.00
FULTON___LFGE 323630	29.58 2.67 0.00	26.62 2.33 0.00	24.35 2.13 0.00	22.61 1.92 0.00	23.21 2.01 0.00	27.21 2.32 0.00	32.81 2.65 0.00	36.18 2.89 0.00	37.84 3.03 0.00	36.12 2.68 0.00	38.19 2.90 0.00	38.72 2.90 0.00	38.95 2.78 0.00	39.06 2.76 0.00	38.80 2.84 0.00	41.40 3.21 0.00	43.84 3.36 0.00	46.68 3.58 0.00	50.36 3.94 0.00	52.51 4.42 0.00	49.83 4.37 0.00	45.01 3.87 0.00	38.55 3.25 0.00	33.48 2.82 0.00
G.F.CEMENT___DRP 24184	28.72 1.80 0.00	25.99 1.70 0.00	23.77 1.55 0.00	22.11 1.43 0.00	22.66 1.46 0.00	26.29 1.39 0.00	31.69 1.54 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.02 1.57 0.00	37.10 1.80 0.00	37.61 1.79 0.00	37.86 1.70 0.00	38.08 1.78 0.00	37.14 1.19 0.00	39.45 1.26 0.00	41.78 1.30 0.00	44.61 1.51 0.00	48.00 1.58 0.00	49.92 1.83 0.00	47.24 1.77 0.00	42.83 1.69 0.00	37.24 1.94 0.00	32.56 1.90 0.00
GARDENVILLE___LBMP 24039	27.59 0.67 0.00	24.88 0.58 0.00	22.37 0.16 0.00	20.72 0.04 0.00	21.18 -0.02 0.00	24.94 0.05 0.00	29.43 -0.72 0.00	32.03 -1.27 0.00	33.66 -1.15 0.00	33.01 -0.43 0.00	34.28 -1.02 0.00	35.03 -0.79 0.00	35.47 -0.69 0.00	35.47 -0.84 0.00	34.91 -1.04 0.00	37.39 -0.80 0.00	39.96 -0.53 0.00	41.90 -1.21 0.00	45.86 -0.56 0.00	47.37 -0.72 0.00	44.97 -0.50 0.00	40.24 -0.91 0.00	35.12 -0.18 0.00	30.84 0.18 0.00
GARDNVLA_35_KV_LD 355827	27.70 0.78 0.00	24.97 0.68 0.00	22.44 0.22 0.00	20.79 0.10 0.00	21.24 0.04 0.00	25.04 0.15 0.00	29.55 -0.60 0.00	32.16 -1.13 0.00	33.80 -1.01 0.00	33.15 -0.30 0.00	34.45 -0.85 0.00	35.21 -0.61 0.00	35.65 -0.51 0.00	35.65 -0.65 0.00	35.13 -0.83 0.00	37.66 -0.53 0.00	40.24 -0.24 0.00	42.16 -0.95 0.00	46.14 -0.28 0.00	47.61 -0.48 0.00	45.24 -0.23 0.00	40.44 -0.70 0.00	35.30 0.00 0.00	31.03 0.37 0.00
GELCKHM___115KV_LOAD 80723	26.97 0.05 0.00	24.34 0.05 0.00	22.19 -0.02 0.00	20.64 -0.04 0.00	21.15 -0.04 0.00	24.80 -0.10 0.00	29.89 -0.27 0.00	32.82 -0.47 0.00	34.32 -0.49 0.00	33.15 -0.30 0.00	34.95 -0.35 0.00	35.50 -0.32 0.00	35.84 -0.33 0.00	35.98 -0.33 0.00	35.60 -0.36 0.00	37.89 -0.31 0.00	40.16 -0.32 0.00	42.67 -0.43 0.00	46.05 -0.37 0.00	47.70 -0.38 0.00	45.15 -0.32 0.00	40.77 -0.37 0.00	35.02 -0.28 0.00	30.54 -0.12 0.00
GENERAL___MILLS 23808	27.64 0.73 0.00	24.92 0.63 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	24.99 0.10 0.00	29.49 -0.66 0.00	32.09 -1.20 0.00	33.73 -1.08 0.00	33.08 -0.37 0.00	34.35 -0.95 0.00	35.10 -0.72 0.00	35.55 -0.61 0.00	35.54 -0.76 0.00	35.02 -0.93 0.00	37.50 -0.69 0.00	40.08 -0.40 0.00	41.98 -1.12 0.00	46.00 -0.42 0.00	47.46 -0.63 0.00	45.10 -0.36 0.00	40.32 -0.82 0.00	35.23 -0.07 0.00	30.94 0.28 0.00
GE_PLASTICS___DRP 24183	27.51 0.59 0.00	24.90 0.61 0.00	22.81 0.60 0.00	21.26 0.58 0.00	21.77 0.57 0.00	25.34 0.45 0.00	30.52 0.36 0.00	33.79 0.50 0.00	35.26 0.45 0.00	33.78 0.33 0.00	35.72 0.42 0.00	36.21 0.39 0.00	36.56 0.40 0.00	36.78 0.47 0.00	36.50 0.54 0.00	38.69 0.50 0.00	41.01 0.53 0.00	43.79 0.69 0.00	47.12 0.70 0.00	48.86 0.77 0.00	46.19 0.73 0.00	41.84 0.70 0.00	35.86 0.56 0.00	31.21 0.55 0.00
GILBOA___1 23756	27.70 0.78 0.00	25.02 0.73 0.00	22.95 0.73 0.00	21.39 0.70 0.00	21.92 0.72 0.00	25.52 0.62 0.00	30.70 0.54 0.00	34.02 0.73 0.00	35.47 0.66 0.00	34.05 0.60 0.00	35.94 0.64 0.00	36.50 0.68 0.00	36.88 0.72 0.00	37.03 0.73 0.00	36.68 0.72 0.00	39.03 0.84 0.00	41.37 0.89 0.00	44.05 0.95 0.00	47.35 0.93 0.00	49.05 0.96 0.00	46.42 0.96 0.00	42.09 0.95 0.00	36.11 0.81 0.00	31.43 0.77 0.00
GILBOA___2 23757	27.70 0.78 0.00	25.02 0.73 0.00	22.95 0.73 0.00	21.39 0.70 0.00	21.92 0.72 0.00	25.52 0.62 0.00	30.70 0.54 0.00	34.02 0.73 0.00	35.47 0.66 0.00	34.05 0.60 0.00	35.94 0.64 0.00	36.50 0.68 0.00	36.88 0.72 0.00	37.03 0.73 0.00	36.68 0.72 0.00	39.03 0.84 0.00	41.37 0.89 0.00	44.05 0.95 0.00	47.35 0.93 0.00	49.05 0.96 0.00	46.42 0.96 0.00	42.09 0.95 0.00	36.11 0.81 0.00	31.43 0.77 0.00
GILBOA___3 23758	27.70 0.78 0.00	25.02 0.73 0.00	22.95 0.73 0.00	21.39 0.70 0.00	21.92 0.72 0.00	25.52 0.62 0.00	30.70 0.54 0.00	34.02 0.73 0.00	35.47 0.66 0.00	34.05 0.60 0.00	35.94 0.64 0.00	36.50 0.68 0.00	36.88 0.72 0.00	37.03 0.73 0.00	36.68 0.72 0.00	39.03 0.84 0.00	41.37 0.89 0.00	44.05 0.95 0.00	47.35 0.93 0.00	49.05 0.96 0.00	46.42 0.96 0.00	42.09 0.95 0.00	36.11 0.81 0.00	31.43 0.77 0.00
GILBOA___4 23759	27.70 0.78 0.00	25.02 0.73 0.00	22.95 0.73 0.00	21.39 0.70 0.00	21.92 0.72 0.00	25.52 0.62 0.00	30.70 0.54 0.00	34.02 0.73 0.00	35.47 0.66 0.00	34.05 0.60 0.00	35.94 0.64 0.00	36.50 0.68 0.00	36.88 0.72 0.00	37.03 0.73 0.00	36.68 0.72 0.00	39.03 0.84 0.00	41.37 0.89 0.00	44.05 0.95 0.00	47.35 0.93 0.00	49.05 0.96 0.00	46.42 0.96 0.00	42.09 0.95 0.00	36.11 0.81 0.00	31.43 0.77 0.00



GILBOA____ 23599	27.70 0.78 0.00	25.07 0.78 0.00	22.95 0.73 0.00	21.39 0.70 0.00	21.92 0.72 0.00	25.52 0.62 0.00	30.70 0.54 0.00	34.02 0.73 0.00	35.54 0.73 0.00	34.08 0.64 0.00	36.00 0.71 0.00	36.54 0.72 0.00	36.88 0.72 0.00	37.10 0.80 0.00	36.78 0.83 0.00	39.03 0.84 0.00	41.37 0.89 0.00	44.05 0.95 0.00	47.40 0.97 0.00	49.15 1.06 0.00	46.47 1.00 0.00	42.13 0.99 0.00	36.11 0.81 0.00	31.40 0.74 0.00
GINNA____ 23603	26.25 -0.67 0.00	23.81 -0.49 0.00	21.44 -0.78 0.00	19.88 -0.81 0.00	20.37 -0.83 0.00	23.87 -1.02 0.00	28.41 -1.75 0.00	31.33 -1.96 0.00	33.10 -1.70 0.00	32.04 -1.40 0.00	33.78 -1.52 0.00	34.35 -1.47 0.00	34.61 -1.55 0.00	34.93 -1.38 0.00	34.70 -1.26 0.00	36.55 -1.64 0.00	38.90 -1.58 0.00	41.08 -2.03 0.00	44.66 -1.76 0.00	46.50 -1.59 0.00	43.92 -1.55 0.00	39.42 -1.73 0.00	33.92 -1.38 0.00	29.80 -0.86 0.00
GLEN PARK____ 23778	27.83 0.92 0.00	25.09 0.80 0.00	22.92 0.71 0.00	21.28 0.60 0.00	21.85 0.66 0.00	25.64 0.75 0.00	31.03 0.88 0.00	34.39 1.10 0.00	35.82 1.01 0.00	34.31 0.87 0.00	36.32 1.02 0.00	36.57 0.75 0.00	36.81 0.65 0.00	36.85 0.55 0.00	36.42 0.47 0.00	38.73 0.53 0.00	41.05 0.57 0.00	43.71 0.60 0.00	47.49 1.07 0.00	49.63 1.54 0.00	47.06 1.59 0.00	42.75 1.60 0.00	36.46 1.16 0.00	31.55 0.89 0.00
GLENDALE_27_KV_LOAD 356172	28.75 1.83 0.00	25.94 1.65 0.00	23.79 1.58 0.00	22.21 1.53 0.00	22.74 1.55 0.00	26.31 1.42 0.00	31.76 1.60 0.00	35.45 2.16 0.00	37.18 2.37 0.00	35.65 2.21 0.00	37.63 2.33 0.00	38.26 2.44 0.00	38.62 2.46 0.00	38.92 2.61 0.00	38.69 2.73 0.00	40.90 2.71 0.00	43.32 2.83 0.00	46.21 3.10 0.00	49.53 3.11 0.00	51.26 3.17 0.00	48.47 3.00 0.00	43.86 2.72 0.00	37.56 2.26 0.00	32.71 2.05 0.00
GLENWOOD_IC_1_G5 23712	28.96 2.05 0.00	26.19 1.89 0.00	24.01 1.80 0.00	22.40 1.72 0.00	22.93 1.74 0.00	26.49 1.59 0.00	31.88 1.72 0.00	35.55 2.26 0.00	37.14 2.33 0.00	35.62 2.17 0.00	37.77 2.47 0.00	38.40 2.58 0.00	38.73 2.57 0.00	39.06 2.76 0.00	38.80 2.84 0.00	41.09 2.90 0.00	43.32 2.83 0.00	46.25 3.15 0.00	49.67 3.25 0.00	51.45 3.37 0.00	48.60 3.14 0.00	43.98 2.84 0.00	37.74 2.44 0.00	32.93 2.27 0.00
GLENWOOD_IC_2_G1 23688	28.78 1.86 -0.01	25.93 1.63 -0.01	23.87 1.64 -0.01	22.28 1.59 -0.01	22.81 1.61 -0.01	26.36 1.47 0.00	31.72 1.57 0.00	35.35 2.06 0.00	36.69 1.88 0.00	35.35 1.91 0.00	37.35 2.05 0.00	38.00 2.19 0.00	38.44 2.28 0.00	38.60 2.29 -0.01	38.30 2.34 -0.01	40.67 2.48 0.00	43.24 2.75 -0.01	46.13 3.02 -0.01	49.49 3.06 -0.01	51.07 2.98 0.00	48.39 2.91 -0.01	43.82 2.67 -0.01	37.59 2.29 0.00	32.75 2.09 -0.01
GLENWOOD_IC_3_G1 23689	28.78 1.86 -0.01	25.93 1.63 -0.01	23.87 1.64 -0.01	22.28 1.59 -0.01	22.81 1.61 -0.01	26.36 1.47 0.00	31.72 1.57 0.00	35.35 2.06 0.00	36.69 1.88 0.00	35.35 1.91 0.00	37.35 2.05 0.00	38.00 2.19 0.00	38.44 2.28 0.00	38.60 2.29 -0.01	38.30 2.34 -0.01	40.67 2.48 0.00	43.24 2.75 -0.01	46.13 3.02 -0.01	49.49 3.06 -0.01	51.07 2.98 0.00	48.39 2.91 -0.01	43.82 2.67 -0.01	37.59 2.29 0.00	32.75 2.09 -0.01
GLENWOOD____4 23550	28.96 2.05 0.00	26.19 1.89 0.00	24.01 1.80 0.00	22.40 1.72 0.00	22.93 1.74 0.00	26.49 1.59 0.00	31.88 1.72 0.00	35.55 2.26 0.00	37.14 2.33 0.00	35.62 2.17 0.00	37.77 2.47 0.00	38.40 2.58 0.00	38.73 2.57 0.00	39.06 2.76 0.00	38.80 2.84 0.00	41.09 2.90 0.00	43.44 2.96 0.00	46.38 3.28 0.00	49.76 3.34 0.00	51.60 3.51 0.00	48.74 3.27 0.00	44.11 2.96 0.00	37.74 2.44 0.00	32.93 2.27 0.00
GLENWOOD____5 23614	28.96 2.05 0.00	26.19 1.89 0.00	24.01 1.80 0.00	22.40 1.72 0.00	22.93 1.74 0.00	26.49 1.59 0.00	31.88 1.72 0.00	35.55 2.26 0.00	37.14 2.33 0.00	35.62 2.17 0.00	37.77 2.47 0.00	38.40 2.58 0.00	38.73 2.57 0.00	39.06 2.76 0.00	38.80 2.84 0.00	41.09 2.90 0.00	43.44 2.96 0.00	46.38 3.28 0.00	49.76 3.34 0.00	51.60 3.51 0.00	48.74 3.27 0.00	44.11 2.96 0.00	37.74 2.44 0.00	32.93 2.27 0.00
GLOBAL GREEN_PORT_GT1 23814	30.21 3.28 -0.01	27.12 2.82 -0.01	25.27 3.04 -0.01	23.55 2.86 -0.01	24.28 3.07 -0.01	27.38 2.49 0.00	32.75 2.59 0.00	36.78 3.49 0.00	37.63 2.82 0.00	36.59 3.14 0.00	38.79 3.50 0.00	39.54 3.73 0.00	39.92 3.76 0.00	40.20 3.89 -0.01	40.03 4.06 -0.01	42.28 4.09 0.00	45.31 4.82 -0.01	48.28 5.17 -0.01	51.90 5.48 -0.01	52.94 4.85 0.00	50.25 4.77 -0.01	45.92 4.77 -0.01	39.36 4.06 0.00	34.50 3.83 -0.01
GLOBE____DSASP 323697	26.84 -0.08 0.00	24.20 -0.10 0.00	21.73 -0.49 0.00	20.12 -0.56 0.00	20.58 -0.61 0.00	24.25 -0.65 0.00	28.56 -1.60 0.00	30.99 -2.30 0.00	32.55 -2.26 0.00	31.97 -1.47 0.00	33.08 -2.22 0.00	33.85 -1.97 0.00	34.28 -1.88 0.00	34.20 -2.11 0.00	33.66 -2.30 0.00	36.05 -2.14 0.00	38.46 -2.02 0.00	40.35 -2.76 0.00	44.19 -2.23 0.00	45.59 -2.50 0.00	43.33 -2.14 0.00	38.84 -2.30 0.00	33.99 -1.31 0.00	29.98 -0.67 0.00
GOETHSLN____LBMP 323567	28.53 1.62 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.09 1.41 0.00	22.60 1.40 0.00	26.16 1.27 0.00	31.54 1.39 0.00	35.22 1.93 0.00	36.90 2.09 0.00	35.39 1.94 0.00	37.31 2.01 0.00	37.93 2.11 0.00	38.29 2.13 0.00	38.56 2.25 0.00	38.33 2.37 0.00	40.64 2.44 0.00	42.99 2.51 0.00	45.99 2.89 0.00	49.30 2.88 0.00	51.02 2.93 0.00	48.15 2.68 0.00	43.57 2.43 0.00	37.28 1.98 0.00	32.44 1.78 0.00
GOLAH____69_KV_TB 1_2 80279	27.70 0.78 0.00	24.97 0.68 0.00	22.55 0.33 0.00	20.91 0.23 0.00	21.39 0.19 0.00	25.14 0.25 0.00	29.83 -0.33 0.00	32.76 -0.53 0.00	34.39 -0.42 0.00	33.51 0.07 0.00	35.02 -0.28 0.00	35.75 -0.07 0.00	36.09 -0.07 0.00	36.12 -0.18 0.00	35.67 -0.29 0.00	38.12 -0.08 0.00	40.56 0.08 0.00	42.80 -0.30 0.00	46.75 0.32 0.00	48.33 0.24 0.00	45.88 0.41 0.00	41.14 0.00 0.00	35.72 0.42 0.00	31.36 0.71 0.00
GOODYEAR_LAKE_HYD 323669	27.99 1.08 0.00	25.29 1.00 0.00	23.15 0.93 0.00	21.55 0.87 0.00	22.09 0.89 0.00	25.74 0.85 0.00	31.03 0.87 0.00	34.42 1.13 0.00	35.99 1.18 0.00	34.55 1.10 0.00	36.50 1.20 0.00	37.04 1.22 0.00	37.43 1.27 0.00	37.58 1.27 0.00	37.29 1.33 0.00	39.60 1.41 0.00	41.94 1.46 0.00	44.66 1.55 0.00	48.05 1.62 0.00	49.87 1.78 0.00	47.10 1.64 0.00	42.67 1.52 0.00	36.50 1.20 0.00	31.73 1.07 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	27.62 0.70 0.00	24.92 0.63 0.00	22.70 0.49 0.00	21.12 0.43 0.00	21.62 0.42 0.00	25.32 0.42 0.00	30.40 0.24 0.00	33.46 0.17 0.00	34.91 0.10 0.00	33.71 0.27 0.00	35.48 0.18 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.56 0.25 0.00	36.17 0.22 0.00	38.50 0.31 0.00	40.89 0.40 0.00	43.36 0.26 0.00	46.98 0.56 0.00	48.76 0.67 0.00	46.06 0.59 0.00	41.60 0.45 0.00	35.72 0.42 0.00	31.12 0.46 0.00



GOUDEY___7 23579	27.62 0.70 0.00	24.92 0.63 0.00	22.70 0.49 0.00	21.12 0.43 0.00	21.62 0.42 0.00	25.32 0.42 0.00	30.40 0.24 0.00	33.46 0.17 0.00	34.91 0.10 0.00	33.71 0.27 0.00	35.48 0.18 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.56 0.25 0.00	36.17 0.22 0.00	38.50 0.31 0.00	40.89 0.40 0.00	43.36 0.26 0.00	46.98 0.56 0.00	48.76 0.67 0.00	46.06 0.59 0.00	41.60 0.45 0.00	35.72 0.42 0.00	31.12 0.46 0.00
GOUDEY___8 23580	27.62 0.70 0.00	24.92 0.63 0.00	22.70 0.49 0.00	21.12 0.43 0.00	21.62 0.42 0.00	25.32 0.42 0.00	30.40 0.24 0.00	33.46 0.17 0.00	34.91 0.10 0.00	33.71 0.27 0.00	35.48 0.18 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.56 0.25 0.00	36.17 0.22 0.00	38.50 0.31 0.00	40.89 0.40 0.00	43.36 0.26 0.00	46.98 0.56 0.00	48.76 0.67 0.00	46.06 0.59 0.00	41.60 0.45 0.00	35.72 0.42 0.00	31.12 0.46 0.00
GOWANUS_GT1_1 24077	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT1_2 24078	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT1_3 24079	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT1_4 24080	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT1_5 24084	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT1_6 24111	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT1_7 24112	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT1_8 24113	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT2_1 24114	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT2_2 24115	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT2_3 24116	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT2_4 24117	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT2_5 24118	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01



GOWANUS_GT2_6 24119	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT2_7 24120	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT2_8 24121	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT3_1 24122	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT3_2 24123	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT3_3 24124	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT3_4 24125	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT3_5 24126	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT3_6 24127	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT3_7 24128	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT3_8 24129	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
GOWANUS_GT4_1 24130	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT4_2 24131	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT4_3 24132	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT4_4 24133	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01



GOWANUS_GT4_5 24134	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT4_6 24135	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT4_7 24136	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GOWANUS_GT4_8 24137	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GREATVR_69_KV_BK1 356245	29.82 2.91 0.00	27.04 2.75 0.00	24.79 2.58 0.00	23.10 2.42 0.00	23.74 2.54 0.00	27.09 2.19 0.00	32.51 2.35 0.00	36.39 3.10 0.00	37.84 3.03 0.00	36.36 2.91 0.00	38.65 3.35 0.00	39.29 3.47 0.00	39.67 3.51 0.00	40.08 3.78 0.00	39.84 3.88 0.00	42.13 3.93 0.00	44.98 4.49 0.00	48.02 4.91 0.00	51.62 5.20 0.00	53.47 5.39 0.00	50.60 5.14 0.00	45.75 4.61 0.00	38.79 3.49 0.00	33.91 3.25 0.00
GREENBSH_115KV_TB3 55895	27.40 0.48 0.00	24.83 0.53 0.00	22.77 0.56 0.00	21.20 0.52 0.00	21.73 0.53 0.00	25.27 0.37 0.00	30.43 0.27 0.00	33.66 0.37 0.00	35.12 0.31 0.00	33.65 0.20 0.00	35.58 0.28 0.00	36.07 0.25 0.00	36.41 0.25 0.00	36.63 0.33 0.00	36.39 0.43 0.00	38.54 0.34 0.00	40.85 0.36 0.00	43.62 0.52 0.00	46.89 0.46 0.00	48.67 0.58 0.00	46.01 0.55 0.00	41.68 0.53 0.00	35.76 0.46 0.00	31.12 0.46 0.00
GREENDGE_115KV_TB5 80291	27.81 0.89 0.00	25.05 0.75 0.00	22.75 0.53 0.00	21.10 0.41 0.00	21.64 0.45 0.00	25.39 0.50 0.00	30.43 0.27 0.00	33.42 0.13 0.00	34.88 0.07 0.00	33.85 0.40 0.00	35.51 0.21 0.00	36.07 0.25 0.00	36.45 0.29 0.00	36.56 0.25 0.00	36.10 0.14 0.00	38.54 0.34 0.00	41.01 0.53 0.00	43.41 0.30 0.00	47.26 0.84 0.00	48.95 0.87 0.00	46.38 0.91 0.00	41.72 0.58 0.00	35.90 0.60 0.00	31.30 0.64 0.00
GREENIDGE___3 23582	27.81 0.89 0.00	25.05 0.75 0.00	22.75 0.53 0.00	21.10 0.41 0.00	21.64 0.45 0.00	25.39 0.50 0.00	30.43 0.27 0.00	33.42 0.13 0.00	34.88 0.07 0.00	33.85 0.40 0.00	35.51 0.21 0.00	36.07 0.25 0.00	36.45 0.29 0.00	36.56 0.25 0.00	36.10 0.14 0.00	38.54 0.34 0.00	41.01 0.53 0.00	43.41 0.30 0.00	47.26 0.84 0.00	48.95 0.87 0.00	46.38 0.91 0.00	41.72 0.58 0.00	35.90 0.60 0.00	31.30 0.64 0.00
GREENIDGE___4 23583	27.80 0.89 0.00	25.19 0.90 0.00	22.75 0.53 0.00	21.10 0.41 0.00	21.64 0.45 0.00	25.39 0.50 0.00	30.43 0.27 0.00	33.42 0.13 0.00	35.02 0.21 0.00	33.88 0.43 0.00	35.62 0.32 0.00	36.18 0.36 0.00	36.49 0.32 0.00	36.85 0.55 0.00	36.46 0.50 0.00	38.61 0.42 0.00	41.09 0.61 0.00	43.41 0.30 0.00	47.26 0.84 0.00	49.20 1.11 0.00	46.47 1.00 0.00	41.92 0.78 0.00	35.90 0.60 0.00	31.43 0.77 0.00
GREENLWN_69_KV_BK 3 55738	29.10 2.18 0.00	26.33 2.04 0.00	24.15 1.93 0.00	22.52 1.84 0.00	23.08 1.89 0.00	26.51 1.62 0.00	31.88 1.72 0.00	35.39 2.10 0.00	36.83 2.02 0.00	35.42 1.97 0.00	37.52 2.22 0.00	38.08 2.26 0.00	38.44 2.28 0.00	38.81 2.51 0.00	38.55 2.59 0.00	40.79 2.60 0.00	43.44 2.96 0.00	46.38 3.28 0.00	49.76 3.34 0.00	51.60 3.51 0.00	48.74 3.27 0.00	44.06 2.92 0.00	37.52 2.22 0.00	33.08 2.42 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01
GRISSOM___SOLAR 323813	29.31 2.39 0.00	26.40 2.11 0.00	24.15 1.93 0.00	22.44 1.76 0.00	23.02 1.82 0.00	26.99 2.09 0.00	32.54 2.38 0.00	35.92 2.63 0.00	37.53 2.72 0.00	35.86 2.41 0.00	37.91 2.61 0.00	38.43 2.61 0.00	38.65 2.49 0.00	38.78 2.47 0.00	38.51 2.55 0.00	41.06 2.87 0.00	43.48 3.00 0.00	46.34 3.23 0.00	49.95 3.53 0.00	52.08 3.99 0.00	49.38 3.91 0.00	44.64 3.50 0.00	38.20 2.90 0.00	33.20 2.54 0.00
GROVEVILLE___HYD 323602	28.51 1.59 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.19 1.29 0.00	31.51 1.36 0.00	35.05 1.76 0.00	36.69 1.88 0.00	35.12 1.67 0.00	37.06 1.76 0.00	37.68 1.86 0.00	38.04 1.88 0.00	38.30 2.00 0.00	38.08 2.12 0.00	40.37 2.18 0.00	42.83 2.35 0.00	45.82 2.72 0.00	49.16 2.74 0.00	51.02 2.93 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.21 1.91 0.00	32.35 1.69 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	27.16 0.24 0.00	24.49 0.19 0.00	22.35 0.13 0.00	20.77 0.08 0.00	21.30 0.11 0.00	24.94 0.05 0.00	30.07 -0.09 0.00	33.06 -0.23 0.00	34.57 -0.24 0.00	33.38 -0.07 0.00	35.19 -0.11 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.23 -0.07 0.00	35.85 -0.11 0.00	38.15 -0.04 0.00	40.48 0.00 0.00	42.97 -0.13 0.00	46.42 0.00 0.00	48.04 -0.05 0.00	45.47 0.00 0.00	41.06 -0.08 0.00	35.26 -0.04 0.00	30.75 0.09 0.00
HAMLTNNY_34_KV_TB 80303	27.29 0.38 0.00	24.61 0.32 0.00	22.44 0.22 0.00	20.85 0.17 0.00	21.37 0.17 0.00	25.04 0.15 0.00	30.13 -0.03 0.00	33.09 -0.20 0.00	34.63 -0.17 0.00	33.48 0.03 0.00	35.26 -0.04 0.00	35.86 0.04 0.00	36.20 0.04 0.00	36.31 0.00 0.00	35.92 -0.04 0.00	38.23 0.04 0.00	40.60 0.12 0.00	43.06 -0.04 0.00	46.56 0.14 0.00	48.18 0.10 0.00	45.65 0.18 0.00	41.18 0.04 0.00	35.37 0.07 0.00	30.87 0.21 0.00



HAMPSHIRE___PAPER_HYD 323593	27.11 0.19 0.00	24.44 0.15 0.00	22.35 0.13 0.00	20.79 0.10 0.00	21.35 0.15 0.00	25.17 0.27 0.00	30.64 0.48 0.00	33.99 0.70 0.00	35.50 0.70 0.00	34.01 0.57 0.00	35.97 0.67 0.00	36.28 0.46 0.00	36.60 0.44 0.00	36.67 0.36 0.00	36.24 0.29 0.00	38.46 0.27 0.00	40.77 0.29 0.00	43.28 0.17 0.00	46.56 0.14 0.00	48.28 0.19 0.00	45.65 0.18 0.00	41.56 0.41 0.00	35.73 0.43 0.00	30.81 0.15 0.00
HARDSCRABBLE_WT_PWR 323673	26.67 -0.24 0.00	24.07 -0.22 0.00	22.01 -0.20 0.00	20.50 -0.19 0.00	21.01 -0.19 0.00	24.60 -0.30 0.00	29.73 -0.42 0.00	32.86 -0.43 0.00	34.32 -0.49 0.00	32.95 -0.50 0.00	34.77 -0.53 0.00	35.24 -0.57 0.00	35.58 -0.58 0.00	35.65 -0.65 0.00	35.31 -0.65 0.00	37.54 -0.65 0.00	39.75 -0.73 0.00	42.28 -0.82 0.00	45.54 -0.88 0.00	47.17 -0.92 0.00	44.65 -0.82 0.00	40.44 -0.70 0.00	34.73 -0.57 0.00	30.23 -0.43 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	28.42 1.51 0.00	25.70 1.41 0.00	23.57 1.36 0.00	21.97 1.28 0.00	22.49 1.29 0.00	26.09 1.19 0.00	31.45 1.30 0.00	34.99 1.70 0.00	36.58 1.78 0.00	35.05 1.61 0.00	37.03 1.73 0.00	37.61 1.79 0.00	37.97 1.81 0.00	38.27 1.96 0.00	38.01 2.05 0.00	40.33 2.14 0.00	42.75 2.27 0.00	45.69 2.59 0.00	49.07 2.65 0.00	50.93 2.84 0.00	48.10 2.64 0.00	43.45 2.30 0.00	37.14 1.84 0.00	32.25 1.59 0.00
HARSNRAD_115KV_TB1 81005	27.48 0.57 0.00	24.83 0.53 0.00	22.30 0.09 0.00	20.66 -0.02 0.00	21.11 -0.08 0.00	24.87 -0.02 0.00	29.19 -0.97 0.00	31.86 -1.43 0.00	33.49 -1.32 0.00	32.84 -0.60 0.00	34.03 -1.27 0.00	34.82 -1.00 0.00	35.26 -0.90 0.00	35.18 -1.13 0.00	34.55 -1.40 0.00	37.01 -1.18 0.00	39.51 -0.97 0.00	41.47 -1.64 0.00	45.45 -0.97 0.00	46.89 -1.20 0.00	44.56 -0.91 0.00	39.91 -1.23 0.00	34.88 -0.42 0.00	30.72 0.06 0.00
HARZA MOOSE___RIVER 24016	27.51 0.59 0.00	24.80 0.51 0.00	22.68 0.47 0.00	21.10 0.41 0.00	21.64 0.45 0.00	25.39 0.50 0.00	30.76 0.60 0.00	34.02 0.73 0.00	35.54 0.73 0.00	34.08 0.64 0.00	36.00 0.71 0.00	36.28 0.47 0.00	36.63 0.47 0.00	36.70 0.40 0.00	36.35 0.40 0.00	38.65 0.46 0.00	40.97 0.49 0.00	43.58 0.47 0.00	47.07 0.65 0.00	48.91 0.82 0.00	46.28 0.82 0.00	41.97 0.82 0.00	35.94 0.64 0.00	31.12 0.46 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	27.00 0.08 0.00	24.37 0.07 0.00	22.21 0.00 0.00	20.66 -0.02 0.00	21.18 -0.02 0.00	24.82 -0.07 0.00	29.89 -0.27 0.00	32.86 -0.43 0.00	34.36 -0.45 0.00	33.18 -0.27 0.00	34.98 -0.32 0.00	35.53 -0.29 0.00	35.87 -0.29 0.00	36.01 -0.29 0.00	35.63 -0.32 0.00	37.92 -0.27 0.00	40.20 -0.28 0.00	42.67 -0.43 0.00	46.10 -0.32 0.00	47.75 -0.34 0.00	45.19 -0.27 0.00	40.81 -0.33 0.00	35.02 -0.28 0.00	30.57 -0.09 0.00
HELLGATE_13_KV_LD 55870	28.72 1.80 0.00	25.94 1.65 0.00	23.79 1.58 0.00	22.21 1.53 0.00	22.72 1.53 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.42 2.13 0.00	37.14 2.33 0.00	35.62 2.17 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.58 2.42 0.00	38.85 2.54 0.00	38.65 2.70 0.00	40.87 2.67 0.00	43.28 2.79 0.00	46.16 3.06 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.78 2.63 0.00	37.52 2.22 0.00	32.68 2.02 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	28.72 1.80 0.00	25.94 1.65 0.00	23.79 1.58 0.00	22.21 1.53 0.00	22.72 1.53 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.42 2.13 0.00	37.14 2.33 0.00	35.62 2.17 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.58 2.42 0.00	38.85 2.54 0.00	38.65 2.70 0.00	40.87 2.67 0.00	43.28 2.79 0.00	46.16 3.06 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.78 2.63 0.00	37.52 2.22 0.00	32.68 2.02 0.00
HEMPSTEAD____ 23647	29.03 2.10 -0.01	26.10 1.80 -0.01	24.06 1.84 -0.01	22.45 1.76 -0.01	23.01 1.80 -0.01	26.49 1.59 0.00	31.84 1.69 0.00	35.49 2.20 0.00	36.62 1.81 0.00	35.42 1.97 0.00	37.42 2.12 0.00	38.11 2.29 0.00	38.51 2.35 0.00	38.71 2.40 -0.01	38.48 2.52 -0.01	40.75 2.56 0.00	43.44 2.95 -0.01	46.30 3.19 -0.01	49.73 3.30 -0.01	51.12 3.03 0.00	48.47 3.00 -0.01	44.03 2.88 -0.01	37.81 2.51 0.00	33.00 2.33 -0.01
HICKLING___1 23621	27.99 1.08 0.00	25.24 0.95 0.00	22.88 0.67 0.00	21.22 0.54 0.00	21.75 0.55 0.00	25.54 0.65 0.00	30.52 0.36 0.00	33.46 0.17 0.00	34.88 0.07 0.00	33.91 0.47 0.00	35.51 0.21 0.00	36.11 0.29 0.00	36.52 0.36 0.00	36.63 0.33 0.00	36.14 0.18 0.00	38.57 0.38 0.00	41.05 0.57 0.00	43.32 0.22 0.00	47.21 0.79 0.00	49.05 0.96 0.00	46.38 0.91 0.00	41.72 0.58 0.00	35.97 0.67 0.00	31.36 0.71 0.00
HICKLING___2 23622	27.99 1.08 0.00	25.24 0.95 0.00	22.88 0.67 0.00	21.22 0.54 0.00	21.75 0.55 0.00	25.54 0.65 0.00	30.52 0.36 0.00	33.46 0.17 0.00	34.88 0.07 0.00	33.91 0.47 0.00	35.51 0.21 0.00	36.11 0.29 0.00	36.52 0.36 0.00	36.63 0.33 0.00	36.14 0.18 0.00	38.57 0.38 0.00	41.05 0.57 0.00	43.32 0.22 0.00	47.21 0.79 0.00	49.05 0.96 0.00	46.38 0.91 0.00	41.72 0.58 0.00	35.97 0.67 0.00	31.36 0.71 0.00
HIGH FALLS___HY 23754	28.53 1.62 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.03 1.34 0.00	22.55 1.36 0.00	26.19 1.29 0.00	31.54 1.39 0.00	35.09 1.80 0.00	36.72 1.91 0.00	35.19 1.74 0.00	37.10 1.80 0.00	37.68 1.86 0.00	38.04 1.88 0.00	38.34 2.03 0.00	38.11 2.16 0.00	40.45 2.25 0.00	42.95 2.47 0.00	45.95 2.84 0.00	49.39 2.97 0.00	51.26 3.17 0.00	48.47 3.00 0.00	43.74 2.59 0.00	37.31 2.01 0.00	32.41 1.75 0.00
HIGH_RIVER___SOLAR 323847	28.48 1.56 0.00	25.68 1.38 0.00	23.50 1.29 0.00	21.86 1.18 0.00	22.43 1.23 0.00	26.19 1.29 0.00	31.57 1.42 0.00	34.89 1.60 0.00	36.38 1.57 0.00	34.79 1.34 0.00	36.75 1.45 0.00	37.32 1.50 0.00	37.57 1.41 0.00	37.72 1.41 0.00	37.40 1.44 0.00	39.83 1.64 0.00	42.18 1.70 0.00	45.05 1.94 0.00	48.56 2.14 0.00	50.49 2.40 0.00	47.83 2.36 0.00	43.28 2.14 0.00	37.06 1.76 0.00	32.28 1.62 0.00
HILLBURN___GT 23639	28.45 1.53 0.00	25.65 1.36 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.05 1.76 0.00	36.51 1.71 0.00	35.08 1.64 0.00	36.99 1.69 0.00	37.61 1.79 0.00	38.08 1.92 0.00	38.19 1.89 0.00	37.86 1.90 0.00	40.29 2.10 0.00	42.75 2.27 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.78 2.69 0.00	48.01 2.54 0.00	43.36 2.22 0.00	37.24 1.94 0.00	32.31 1.65 0.00
HILLSIDE_115KV_TB1 80332	27.54 0.62 0.00	24.85 0.56 0.00	22.57 0.36 0.00	20.95 0.27 0.00	21.47 0.28 0.00	25.17 0.27 0.00	30.13 -0.03 0.00	33.02 -0.27 0.00	34.43 -0.38 0.00	33.35 -0.10 0.00	34.95 -0.35 0.00	35.57 -0.25 0.00	35.94 -0.22 0.00	36.05 -0.25 0.00	35.67 -0.29 0.00	38.00 -0.19 0.00	40.40 -0.08 0.00	42.76 -0.34 0.00	46.51 0.09 0.00	48.33 0.24 0.00	45.65 0.18 0.00	41.10 -0.04 0.00	35.41 0.11 0.00	30.90 0.25 0.00



HISHELDN_WT_PWR 323625	27.48 0.57 0.00	25.07 0.78 0.00	22.33 0.11 0.00	20.68 0.00 0.00	21.15 -0.04 0.00	24.89 0.00 0.00	29.43 -0.72 0.00	32.06 -1.23 0.00	33.94 -0.87 0.00	32.98 -0.47 0.00	34.49 -0.81 0.00	35.10 -0.72 0.00	35.40 -0.76 0.00	35.98 -0.33 0.00	35.63 -0.32 0.00	37.39 -0.80 0.00	40.00 -0.48 0.00	41.77 -1.34 0.00	45.82 -0.60 0.00	47.85 -0.24 0.00	45.10 -0.37 0.00	40.73 -0.41 0.00	35.02 -0.28 0.00	31.03 0.37 0.00
HOLTSVILLE_IC_1 23690	29.45 2.53 -0.01	26.44 2.14 -0.01	24.53 2.31 -0.01	22.88 2.19 -0.01	23.52 2.31 -0.01	26.74 1.84 0.00	32.06 1.90 0.00	35.85 2.56 0.00	36.55 1.74 0.00	35.45 2.01 0.00	37.49 2.19 0.00	38.22 2.40 0.00	38.73 2.57 0.00	38.96 2.65 -0.01	38.77 2.81 -0.01	40.98 2.79 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.28 3.85 -0.01	51.50 3.41 0.00	48.89 3.41 -0.01	44.56 3.41 -0.01	38.27 2.97 0.00	33.46 2.79 -0.01
HOLTSVILLE_IC_10 23699	29.59 2.67 -0.01	26.56 2.26 -0.01	24.64 2.42 -0.01	22.99 2.30 -0.01	23.62 2.42 -0.01	26.84 1.94 0.00	32.18 2.02 0.00	36.02 2.73 0.00	36.69 1.88 0.00	35.59 2.14 0.00	37.66 2.37 0.00	38.40 2.58 0.00	38.95 2.78 0.00	39.18 2.87 -0.01	38.99 3.02 -0.01	41.21 3.02 0.00	44.05 3.56 -0.01	46.99 3.88 -0.01	50.61 4.18 -0.01	51.79 3.70 0.00	49.16 3.68 -0.01	44.81 3.66 -0.01	38.44 3.14 0.00	33.61 2.94 -0.01
HOLTSVILLE_IC_2 23691	29.45 2.53 -0.01	26.44 2.14 -0.01	24.53 2.31 -0.01	22.88 2.19 -0.01	23.52 2.31 -0.01	26.74 1.84 0.00	32.06 1.90 0.00	35.85 2.56 0.00	36.55 1.74 0.00	35.45 2.01 0.00	37.49 2.19 0.00	38.22 2.40 0.00	38.73 2.57 0.00	38.96 2.65 -0.01	38.77 2.81 -0.01	40.98 2.79 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.28 3.85 -0.01	51.50 3.41 0.00	48.89 3.41 -0.01	44.56 3.41 -0.01	38.27 2.97 0.00	33.46 2.79 -0.01
HOLTSVILLE_IC_3 23692	29.45 2.53 -0.01	26.44 2.14 -0.01	24.53 2.31 -0.01	22.88 2.19 -0.01	23.52 2.31 -0.01	26.74 1.84 0.00	32.06 1.90 0.00	35.85 2.56 0.00	36.55 1.74 0.00	35.45 2.01 0.00	37.49 2.19 0.00	38.22 2.40 0.00	38.73 2.57 0.00	38.96 2.65 -0.01	38.77 2.81 -0.01	40.98 2.79 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.28 3.85 -0.01	51.50 3.41 0.00	48.89 3.41 -0.01	44.56 3.41 -0.01	38.27 2.97 0.00	33.46 2.79 -0.01
HOLTSVILLE_IC_4 23693	29.45 2.53 -0.01	26.44 2.14 -0.01	24.53 2.31 -0.01	22.88 2.19 -0.01	23.52 2.31 -0.01	26.74 1.84 0.00	32.06 1.90 0.00	35.85 2.56 0.00	36.55 1.74 0.00	35.45 2.01 0.00	37.49 2.19 0.00	38.22 2.40 0.00	38.73 2.57 0.00	38.96 2.65 -0.01	38.77 2.81 -0.01	40.98 2.79 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.28 3.85 -0.01	51.50 3.41 0.00	48.89 3.41 -0.01	44.56 3.41 -0.01	38.27 2.97 0.00	33.46 2.79 -0.01
HOLTSVILLE_IC_5 23694	29.45 2.53 -0.01	26.44 2.14 -0.01	24.53 2.31 -0.01	22.88 2.19 -0.01	23.52 2.31 -0.01	26.74 1.84 0.00	32.06 1.90 0.00	35.85 2.56 0.00	36.55 1.74 0.00	35.45 2.01 0.00	37.49 2.19 0.00	38.22 2.40 0.00	38.73 2.57 0.00	38.96 2.65 -0.01	38.77 2.81 -0.01	40.98 2.79 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.28 3.85 -0.01	51.50 3.41 0.00	48.89 3.41 -0.01	44.56 3.41 -0.01	38.27 2.97 0.00	33.46 2.79 -0.01
HOLTSVILLE_IC_6 23695	29.59 2.67 -0.01	26.56 2.26 -0.01	24.64 2.42 -0.01	22.99 2.30 -0.01	23.62 2.42 -0.01	26.84 1.94 0.00	32.18 2.02 0.00	36.02 2.73 0.00	36.69 1.88 0.00	35.59 2.14 0.00	37.66 2.37 0.00	38.40 2.58 0.00	38.95 2.78 0.00	39.18 2.87 -0.01	38.99 3.02 -0.01	41.21 3.02 0.00	44.05 3.56 -0.01	46.99 3.88 -0.01	50.61 4.18 -0.01	51.79 3.70 0.00	49.16 3.68 -0.01	44.81 3.66 -0.01	38.44 3.14 0.00	33.61 2.94 -0.01
HOLTSVILLE_IC_7 23696	29.59 2.67 -0.01	26.56 2.26 -0.01	24.64 2.42 -0.01	22.99 2.30 -0.01	23.62 2.42 -0.01	26.84 1.94 0.00	32.18 2.02 0.00	36.02 2.73 0.00	36.69 1.88 0.00	35.59 2.14 0.00	37.66 2.37 0.00	38.40 2.58 0.00	38.95 2.78 0.00	39.18 2.87 -0.01	38.99 3.02 -0.01	41.21 3.02 0.00	44.05 3.56 -0.01	46.99 3.88 -0.01	50.61 4.18 -0.01	51.79 3.70 0.00	49.16 3.68 -0.01	44.81 3.66 -0.01	38.44 3.14 0.00	33.61 2.94 -0.01
HOLTSVILLE_IC_8 23697	29.59 2.67 -0.01	26.56 2.26 -0.01	24.64 2.42 -0.01	22.99 2.30 -0.01	23.62 2.42 -0.01	26.84 1.94 0.00	32.18 2.02 0.00	36.02 2.73 0.00	36.69 1.88 0.00	35.59 2.14 0.00	37.66 2.37 0.00	38.40 2.58 0.00	38.95 2.78 0.00	39.18 2.87 -0.01	38.99 3.02 -0.01	41.21 3.02 0.00	44.05 3.56 -0.01	46.99 3.88 -0.01	50.61 4.18 -0.01	51.79 3.70 0.00	49.16 3.68 -0.01	44.81 3.66 -0.01	38.44 3.14 0.00	33.61 2.94 -0.01
HOLTSVILLE_IC_9 23698	29.59 2.67 -0.01	26.56 2.26 -0.01	24.64 2.42 -0.01	22.99 2.30 -0.01	23.62 2.42 -0.01	26.84 1.94 0.00	32.18 2.02 0.00	36.02 2.73 0.00	36.69 1.88 0.00	35.59 2.14 0.00	37.66 2.37 0.00	38.40 2.58 0.00	38.95 2.78 0.00	39.18 2.87 -0.01	38.99 3.02 -0.01	41.21 3.02 0.00	44.05 3.56 -0.01	46.99 3.88 -0.01	50.61 4.18 -0.01	51.79 3.70 0.00	49.16 3.68 -0.01	44.81 3.66 -0.01	38.44 3.14 0.00	33.61 2.94 -0.01
HOMER_HL_115KV_TB2 355744	27.48 0.57 0.00	24.80 0.51 0.00	22.33 0.11 0.00	20.70 0.02 0.00	21.18 -0.02 0.00	24.92 0.02 0.00	29.52 -0.63 0.00	32.09 -1.20 0.00	33.45 -1.36 0.00	32.71 -0.74 0.00	34.03 -1.27 0.00	34.71 -1.11 0.00	35.11 -1.05 0.00	35.22 -1.09 0.00	34.73 -1.22 0.00	37.20 -0.99 0.00	39.71 -0.77 0.00	41.68 -1.42 0.00	45.68 -0.74 0.00	47.61 -0.48 0.00	44.92 -0.55 0.00	40.16 -0.99 0.00	34.91 -0.39 0.00	30.54 -0.12 0.00
HOWARD_WT_PWR 323690	27.80 0.89 0.00	25.24 0.95 0.00	22.66 0.44 0.00	21.03 0.35 0.00	21.53 0.34 0.00	25.32 0.42 0.00	30.13 -0.03 0.00	32.92 -0.37 0.00	34.57 -0.24 0.00	33.48 0.03 0.00	35.09 -0.21 0.00	35.64 -0.18 0.00	35.98 -0.18 0.00	36.45 0.15 0.00	36.03 0.07 0.00	37.93 -0.27 0.00	40.40 -0.08 0.00	42.37 -0.73 0.00	46.47 0.05 0.00	48.52 0.43 0.00	45.79 0.32 0.00	41.35 0.21 0.00	35.51 0.21 0.00	31.21 0.55 0.00
HQ_GEN_CEDARS 23644	26.70 -0.22 0.00	24.10 -0.19 0.00	22.04 -0.18 0.00	20.52 -0.17 0.00	21.05 -0.15 0.00	24.97 0.07 0.00	30.58 0.42 0.00	33.89 0.60 0.00	35.47 0.66 0.00	34.05 0.60 0.00	35.97 0.67 0.00	36.46 0.64 0.00	36.78 0.61 0.00	36.85 0.54 0.00	36.50 0.54 0.00	38.69 0.50 0.00	40.97 0.49 0.00	43.58 0.47 0.00	46.65 0.23 0.00	48.23 0.14 0.00	45.56 0.09 0.00	41.47 0.33 0.00	35.62 0.32 0.00	30.66 0.00 0.00
HQ_GEN_CEDARS_PROXY 323590	26.70 -0.22 0.00	24.10 -0.20 0.00	22.04 -0.18 0.00	20.52 -0.17 0.00	21.05 -0.15 0.00	24.97 0.07 0.00	30.58 0.42 0.00	34.08 0.60 -0.19	35.32 0.70 0.19	34.05 0.60 0.00	35.94 0.64 0.00	36.43 0.61 0.00	36.77 0.61 0.00	36.85 0.55 0.00	36.50 0.54 0.00	38.69 0.50 0.00	40.97 0.49 0.00	43.58 0.48 0.00	46.70 0.28 0.00	48.23 0.14 0.00	45.56 0.09 0.00	41.43 0.29 0.00	35.84 0.32 -0.22	30.44 0.00 0.22



HQ_GEN_IMPORT 323601	26.60 -0.32 0.00	23.95 -0.34 0.00	21.92 -0.29 0.00	20.41 -0.27 0.00	20.92 -0.28 0.00	24.77 -0.12 0.00	30.22 0.06 0.00	33.61 0.13 -0.19	34.76 0.14 0.19	33.58 0.13 0.00	35.44 0.14 0.00	35.93 0.11 0.00	36.27 0.11 0.00	36.41 0.11 0.00	36.03 0.07 0.00	38.27 0.08 0.00	40.52 0.04 0.00	43.15 0.04 0.00	46.47 0.05 0.00	48.04 -0.05 0.00	45.42 -0.05 0.00	41.14 0.00 0.00	35.52 0.00 -0.22	30.29 -0.15 0.22
HQ_GEN_WHEEL 23651	26.60 -0.32 0.00	23.95 -0.34 0.00	21.92 -0.29 0.00	20.41 -0.27 0.00	20.92 -0.28 0.00	24.77 -0.12 0.00	30.22 0.06 0.00	33.61 0.13 -0.19	34.76 0.14 0.19	33.58 0.13 0.00	35.44 0.14 0.00	35.93 0.11 0.00	36.27 0.11 0.00	36.41 0.11 0.00	36.03 0.07 0.00	38.27 0.08 0.00	40.52 0.04 0.00	43.15 0.04 0.00	46.47 0.05 0.00	48.04 -0.05 0.00	45.42 -0.05 0.00	41.14 0.00 0.00	35.52 0.00 -0.22	30.29 -0.15 0.22
HUDSON AVE_GT_3 23810	28.67 1.75 0.00	25.90 1.60 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.35 2.06 0.00	37.07 2.26 0.00	35.52 2.07 0.00	37.49 2.19 0.00	38.11 2.29 0.00	38.47 2.31 0.00	38.74 2.43 0.00	38.51 2.55 0.00	40.79 2.60 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.48 3.06 0.00	51.26 3.17 0.00	48.42 2.96 0.00	43.82 2.67 0.00	37.45 2.15 0.00	32.59 1.93 0.00
HUDSON AVE_GT_4 23540	28.67 1.75 0.00	25.90 1.60 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.35 2.06 0.00	37.07 2.26 0.00	35.52 2.07 0.00	37.49 2.19 0.00	38.11 2.29 0.00	38.47 2.31 0.00	38.74 2.43 0.00	38.51 2.55 0.00	40.79 2.60 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.48 3.06 0.00	51.26 3.17 0.00	48.42 2.96 0.00	43.82 2.67 0.00	37.45 2.15 0.00	32.59 1.93 0.00
HUDSON AVE_GT_5 23657	28.67 1.75 0.00	25.90 1.60 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.35 2.06 0.00	37.07 2.26 0.00	35.52 2.07 0.00	37.49 2.19 0.00	38.11 2.29 0.00	38.47 2.31 0.00	38.74 2.43 0.00	38.51 2.55 0.00	40.79 2.60 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.48 3.06 0.00	51.26 3.17 0.00	48.42 2.96 0.00	43.82 2.67 0.00	37.45 2.15 0.00	32.59 1.93 0.00
HUDSON_AVE_10 24168	28.59 1.67 0.00	25.82 1.53 0.00	23.68 1.47 0.00	22.11 1.43 0.00	22.64 1.44 0.00	26.21 1.32 0.00	31.63 1.48 0.00	35.25 1.96 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.35 2.05 0.00	37.93 2.11 0.00	38.33 2.17 0.00	38.59 2.29 0.00	38.37 2.41 0.00	40.64 2.44 0.00	43.03 2.55 0.00	45.99 2.89 0.00	49.30 2.88 0.00	51.07 2.98 0.00	48.24 2.77 0.00	43.65 2.51 0.00	37.38 2.08 0.00	32.53 1.87 0.00
HUDSON___115KV_TB 4 355613	27.89 0.97 0.00	25.24 0.95 0.00	23.12 0.91 0.00	21.51 0.83 0.00	22.02 0.83 0.00	25.67 0.77 0.00	30.91 0.75 0.00	34.16 0.87 0.00	35.64 0.84 0.00	34.05 0.60 0.00	35.93 0.64 0.00	36.46 0.64 0.00	36.74 0.58 0.00	36.99 0.69 0.00	36.75 0.79 0.00	38.99 0.80 0.00	41.33 0.85 0.00	44.27 1.16 0.00	47.72 1.30 0.00	49.58 1.49 0.00	46.92 1.45 0.00	42.46 1.32 0.00	36.36 1.06 0.00	31.64 0.98 0.00
HUNTER MOUNT___DRP 323613	27.97 1.05 0.00	25.29 1.00 0.00	23.17 0.96 0.00	21.55 0.87 0.00	22.07 0.87 0.00	25.74 0.85 0.00	31.00 0.84 0.00	34.22 0.93 0.00	35.68 0.87 0.00	34.08 0.64 0.00	35.93 0.64 0.00	36.43 0.61 0.00	36.74 0.58 0.00	36.96 0.65 0.00	36.71 0.76 0.00	38.96 0.76 0.00	41.33 0.85 0.00	44.31 1.21 0.00	47.77 1.35 0.00	49.68 1.59 0.00	47.01 1.55 0.00	42.54 1.40 0.00	36.43 1.13 0.00	31.70 1.04 0.00
HUNTINGTON_RES_REC 323705	29.32 2.39 -0.01	26.32 2.02 -0.01	24.35 2.13 -0.01	22.72 2.03 -0.01	23.30 2.10 -0.01	26.64 1.74 0.00	32.00 1.84 0.00	35.65 2.36 0.00	36.41 1.60 0.00	35.39 1.94 0.00	37.31 2.01 0.00	38.04 2.22 0.00	38.55 2.39 0.00	38.78 2.47 -0.01	38.59 2.62 -0.01	40.82 2.63 0.00	43.65 3.16 -0.01	46.56 3.45 -0.01	50.10 3.67 -0.01	51.36 3.27 0.00	48.70 3.23 -0.01	44.32 3.17 -0.01	37.98 2.68 0.00	33.37 2.70 -0.01
HUNTLEY___63 23557	27.56 0.65 0.00	24.88 0.58 0.00	22.35 0.13 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.89 0.00 0.00	29.31 -0.84 0.00	31.93 -1.36 0.00	33.59 -1.22 0.00	32.98 -0.47 0.00	34.20 -1.09 0.00	35.00 -0.82 0.00	35.44 -0.72 0.00	35.40 -0.91 0.00	34.81 -1.15 0.00	37.28 -0.92 0.00	39.83 -0.65 0.00	41.72 -1.38 0.00	45.72 -0.70 0.00	47.13 -0.96 0.00	44.83 -0.64 0.00	40.12 -1.03 0.00	35.09 -0.21 0.00	30.84 0.18 0.00
HUNTLEY___64 23558	27.56 0.65 0.00	24.88 0.58 0.00	22.35 0.13 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.89 0.00 0.00	29.31 -0.84 0.00	31.93 -1.36 0.00	33.59 -1.22 0.00	32.98 -0.47 0.00	34.20 -1.09 0.00	35.00 -0.82 0.00	35.44 -0.72 0.00	35.40 -0.91 0.00	34.81 -1.15 0.00	37.28 -0.92 0.00	39.83 -0.65 0.00	41.72 -1.38 0.00	45.72 -0.70 0.00	47.13 -0.96 0.00	44.83 -0.64 0.00	40.12 -1.03 0.00	35.09 -0.21 0.00	30.84 0.18 0.00
HUNTLEY___65 23559	27.56 0.65 0.00	24.88 0.58 0.00	22.35 0.13 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.89 0.00 0.00	29.31 -0.84 0.00	31.93 -1.36 0.00	33.59 -1.22 0.00	32.98 -0.47 0.00	34.20 -1.09 0.00	35.00 -0.82 0.00	35.44 -0.72 0.00	35.40 -0.91 0.00	34.81 -1.15 0.00	37.28 -0.92 0.00	39.83 -0.65 0.00	41.72 -1.38 0.00	45.72 -0.70 0.00	47.13 -0.96 0.00	44.83 -0.64 0.00	40.12 -1.03 0.00	35.09 -0.21 0.00	30.84 0.18 0.00
HUNTLEY___66 23560	27.56 0.65 0.00	24.88 0.58 0.00	22.35 0.13 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.89 0.00 0.00	29.31 -0.84 0.00	31.93 -1.36 0.00	33.59 -1.22 0.00	32.98 -0.47 0.00	34.20 -1.09 0.00	35.00 -0.82 0.00	35.44 -0.72 0.00	35.40 -0.91 0.00	34.81 -1.15 0.00	37.28 -0.92 0.00	39.83 -0.65 0.00	41.72 -1.38 0.00	45.72 -0.70 0.00	47.13 -0.96 0.00	44.83 -0.64 0.00	40.12 -1.03 0.00	35.09 -0.21 0.00	30.84 0.18 0.00
HUNTLEY___67 23561	27.43 0.51 0.00	24.73 0.44 0.00	22.21 0.00 0.00	20.60 -0.08 0.00	21.05 -0.15 0.00	24.80 -0.10 0.00	29.22 -0.93 0.00	31.76 -1.53 0.00	33.38 -1.43 0.00	32.74 -0.70 0.00	33.96 -1.34 0.00	34.71 -1.11 0.00	35.15 -1.01 0.00	35.11 -1.20 0.00	34.59 -1.37 0.00	37.05 -1.15 0.00	39.55 -0.93 0.00	41.47 -1.64 0.00	45.40 -1.02 0.00	46.89 -1.20 0.00	44.56 -0.91 0.00	39.87 -1.28 0.00	34.84 -0.46 0.00	30.66 0.00 0.00
HUNTLEY___68 23562	27.43 0.51 0.00	24.73 0.44 0.00	22.21 0.00 0.00	20.60 -0.08 0.00	21.05 -0.15 0.00	24.80 -0.10 0.00	29.22 -0.93 0.00	31.76 -1.53 0.00	33.38 -1.43 0.00	32.74 -0.70 0.00	33.96 -1.34 0.00	34.71 -1.11 0.00	35.15 -1.01 0.00	35.11 -1.20 0.00	34.59 -1.37 0.00	37.05 -1.15 0.00	39.55 -0.93 0.00	41.47 -1.64 0.00	45.40 -1.02 0.00	46.89 -1.20 0.00	44.56 -0.91 0.00	39.87 -1.28 0.00	34.84 -0.46 0.00	30.66 0.00 0.00



HYLAND___LFGE 323620	28.83 1.91 0.00	26.19 1.90 0.00	23.46 1.24 0.00	21.74 1.05 0.00	22.28 1.08 0.00	26.16 1.27 0.00	30.97 0.81 0.00	33.96 0.67 0.00	35.33 0.52 0.00	33.78 0.33 0.00	35.26 -0.04 0.00	35.78 -0.04 0.00	36.05 -0.11 0.00	36.41 0.11 0.00	36.10 0.14 0.00	38.23 0.04 0.00	39.63 -0.85 0.00	41.98 -1.12 0.00	46.61 0.19 0.00	49.39 1.30 0.00	47.06 1.59 0.00	42.13 0.99 0.00	37.31 2.01 0.00	32.71 2.05 0.00
INDECK___CORINTH 23802	28.75 1.83 0.00	25.99 1.70 0.00	23.79 1.58 0.00	22.11 1.43 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.02 1.73 0.00	36.58 1.77 0.00	34.99 1.54 0.00	37.10 1.80 0.00	37.61 1.79 0.00	36.77 0.61 0.00	36.88 0.58 0.00	36.64 0.68 0.00	39.11 0.92 0.00	41.21 0.73 0.00	44.05 0.95 0.00	47.35 0.93 0.00	49.20 1.11 0.00	46.60 1.14 0.00	42.13 0.99 0.00	36.11 0.81 0.00	32.62 1.96 0.00
INDECK___ILION 23567	26.89 -0.03 0.00	24.29 0.00 0.00	22.21 0.00 0.00	20.68 0.00 0.00	21.20 0.00 0.00	24.82 -0.07 0.00	30.01 -0.15 0.00	33.16 -0.13 0.00	34.67 -0.14 0.00	33.25 -0.20 0.00	35.12 -0.18 0.00	35.60 -0.21 0.00	35.94 -0.22 0.00	36.09 -0.22 0.00	35.74 -0.22 0.00	37.96 -0.23 0.00	40.24 -0.24 0.00	42.80 -0.30 0.00	46.10 -0.32 0.00	47.80 -0.29 0.00	45.19 -0.27 0.00	40.94 -0.21 0.00	35.12 -0.18 0.00	30.54 -0.12 0.00
INDECK___OLEAN 23982	27.48 0.57 0.00	25.02 0.73 0.00	22.33 0.11 0.00	20.70 0.02 0.00	21.18 -0.02 0.00	24.92 0.02 0.00	29.52 -0.63 0.00	32.09 -1.20 0.00	33.69 -1.12 0.00	32.74 -0.70 0.00	34.24 -1.06 0.00	34.85 -0.97 0.00	35.19 -0.97 0.00	35.72 -0.58 0.00	35.38 -0.58 0.00	37.27 -0.92 0.00	39.92 -0.57 0.00	41.64 -1.47 0.00	45.73 -0.70 0.00	48.04 -0.05 0.00	44.97 -0.50 0.00	40.69 -0.45 0.00	34.91 -0.39 0.00	30.84 0.19 0.00
INDECK___OSWEGO 23783	26.67 -0.24 0.00	24.10 -0.20 0.00	21.97 -0.24 0.00	20.44 -0.25 0.00	20.94 -0.25 0.00	24.52 -0.37 0.00	29.55 -0.60 0.00	32.46 -0.83 0.00	33.97 -0.84 0.00	32.71 -0.74 0.00	34.52 -0.78 0.00	35.03 -0.79 0.00	35.36 -0.80 0.00	35.54 -0.76 0.00	35.17 -0.79 0.00	37.35 -0.84 0.00	39.59 -0.89 0.00	42.07 -1.03 0.00	45.44 -0.98 0.00	47.13 -0.96 0.00	44.60 -0.87 0.00	40.32 -0.82 0.00	34.59 -0.71 0.00	30.17 -0.49 0.00
INDECK___YERKES 23781	27.59 0.67 0.00	25.24 0.95 0.00	22.37 0.16 0.00	20.70 0.02 0.00	21.15 -0.04 0.00	24.92 0.02 0.00	29.34 -0.81 0.00	31.96 -1.33 0.00	34.04 -0.77 0.00	33.08 -0.37 0.00	34.63 -0.67 0.00	35.24 -0.57 0.00	35.58 -0.58 0.00	36.23 -0.07 0.00	35.85 -0.11 0.00	37.51 -0.69 0.00	40.16 -0.33 0.00	41.81 -1.29 0.00	45.82 -0.60 0.00	47.80 -0.29 0.00	45.10 -0.37 0.00	40.73 -0.41 0.00	35.12 -0.18 0.00	31.24 0.58 0.00
INDIAN POINT_GT_1 24139	28.42 1.51 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.11 1.22 0.00	31.45 1.30 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.09 1.64 0.00	37.06 1.76 0.00	37.65 1.83 0.00	38.04 1.88 0.00	38.30 2.00 0.00	38.04 2.09 0.00	40.33 2.14 0.00	42.75 2.27 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.83 2.74 0.00	48.06 2.59 0.00	43.45 2.30 0.00	37.14 1.84 0.00	32.28 1.62 0.00
INDIAN POINT_GT_2 23659	28.42 1.51 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.11 1.22 0.00	31.45 1.30 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.09 1.64 0.00	37.06 1.76 0.00	37.65 1.83 0.00	38.04 1.88 0.00	38.30 2.00 0.00	38.04 2.09 0.00	40.33 2.14 0.00	42.75 2.27 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.83 2.74 0.00	48.06 2.59 0.00	43.45 2.30 0.00	37.14 1.84 0.00	32.28 1.62 0.00
INDIAN POINT_GT_3 24019	28.42 1.51 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.11 1.22 0.00	31.45 1.30 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.09 1.64 0.00	37.06 1.76 0.00	37.65 1.83 0.00	38.04 1.88 0.00	38.30 2.00 0.00	38.04 2.09 0.00	40.33 2.14 0.00	42.75 2.27 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.83 2.74 0.00	48.06 2.59 0.00	43.45 2.30 0.00	37.14 1.84 0.00	32.28 1.62 0.00
INDIAN POINT___2 23530	28.42 1.51 0.00	25.63 1.34 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.09 1.19 0.00	31.42 1.27 0.00	35.02 1.73 0.00	36.48 1.67 0.00	35.02 1.57 0.00	36.96 1.66 0.00	37.57 1.75 0.00	38.04 1.88 0.00	38.16 1.85 0.00	37.83 1.87 0.00	40.25 2.06 0.00	42.67 2.18 0.00	45.60 2.50 0.00	48.93 2.51 0.00	50.64 2.55 0.00	47.92 2.45 0.00	43.28 2.14 0.00	37.17 1.87 0.00	32.28 1.62 0.00
INDIAN POINT___3 23531	28.42 1.51 0.00	25.70 1.41 0.00	23.57 1.36 0.00	21.99 1.30 0.00	22.51 1.31 0.00	26.09 1.19 0.00	31.42 1.27 0.00	34.99 1.70 0.00	36.58 1.78 0.00	35.05 1.61 0.00	37.03 1.73 0.00	37.61 1.79 0.00	38.00 1.84 0.00	38.27 1.96 0.00	38.01 2.05 0.00	40.29 2.10 0.00	42.71 2.23 0.00	45.60 2.50 0.00	48.97 2.55 0.00	50.78 2.69 0.00	47.97 2.50 0.00	43.41 2.26 0.00	37.10 1.80 0.00	32.25 1.59 0.00
INGHAM_C_115KV_TB7 356103	26.51 -0.40 0.00	23.95 -0.34 0.00	21.90 -0.31 0.00	20.37 -0.31 0.00	20.88 -0.32 0.00	24.45 -0.45 0.00	29.58 -0.57 0.00	32.69 -0.60 0.00	34.15 -0.66 0.00	32.78 -0.67 0.00	34.59 -0.71 0.00	35.07 -0.75 0.00	35.36 -0.80 0.00	35.51 -0.80 0.00	35.17 -0.79 0.00	37.35 -0.84 0.00	39.55 -0.93 0.00	42.03 -1.08 0.00	45.26 -1.16 0.00	46.93 -1.15 0.00	44.42 -1.05 0.00	40.24 -0.91 0.00	34.56 -0.74 0.00	30.08 -0.58 0.00
IP CORINTH___1 23988	28.75 1.83 0.00	26.02 1.72 0.00	23.79 1.58 0.00	22.11 1.43 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.02 1.57 0.00	37.13 1.84 0.00	37.61 1.79 0.00	37.90 1.74 0.00	38.08 1.78 0.00	36.96 1.01 0.00	39.18 0.99 0.00	41.49 1.01 0.00	44.31 1.21 0.00	47.63 1.21 0.00	49.53 1.44 0.00	46.88 1.41 0.00	42.58 1.44 0.00	37.21 1.91 0.00	32.59 1.93 0.00
IP___TICONDEROGA 23804	30.42 3.50 0.00	27.40 3.11 0.00	24.99 2.78 0.00	23.14 2.46 0.00	23.76 2.56 0.00	27.68 2.79 0.00	33.35 3.20 0.00	36.75 3.46 0.00	38.64 3.83 0.00	36.82 3.38 0.00	39.18 3.88 0.00	39.62 3.80 0.00	39.78 3.62 0.00	39.94 3.63 0.00	38.91 2.95 0.00	41.32 3.13 0.00	43.72 3.24 0.00	46.77 3.66 0.00	50.41 3.99 0.00	52.71 4.62 0.00	49.97 4.50 0.00	45.34 4.20 0.00	39.36 4.06 0.00	34.37 3.71 0.00
ISLIP_RES_REC 323679	29.70 2.77 -0.01	26.66 2.36 -0.01	24.75 2.53 -0.01	23.07 2.38 -0.01	23.73 2.52 -0.01	26.94 2.04 0.00	32.33 2.17 0.00	36.18 2.89 0.00	36.86 2.05 0.00	35.79 2.34 0.00	37.87 2.58 0.00	38.62 2.80 0.00	39.16 3.00 0.00	39.40 3.08 -0.01	39.20 3.24 -0.01	41.44 3.24 0.00	44.34 3.85 -0.01	47.29 4.18 -0.01	50.89 4.46 -0.01	52.08 3.99 0.00	49.43 3.95 -0.01	45.06 3.91 -0.01	38.66 3.36 0.00	33.80 3.13 -0.01



JAMAICA__27_KV_LOAD 355505	28.72 1.80 0.00	25.92 1.63 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.31 1.42 0.00	31.79 1.63 0.00	35.39 2.10 0.00	37.11 2.30 0.00	35.55 2.11 0.00	37.31 2.01 0.00	37.93 2.11 0.00	38.29 2.13 0.00	38.59 2.29 0.00	38.33 2.37 0.00	40.67 2.48 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.12 3.03 0.00	48.29 2.82 0.00	43.65 2.51 0.00	37.52 2.22 0.00	32.71 2.05 0.00
JANIS__SOLAR 323808	28.26 1.35 0.00	25.53 1.24 0.00	23.26 1.04 0.00	21.59 0.91 0.00	22.17 0.98 0.00	25.96 1.07 0.00	31.30 1.15 0.00	34.49 1.20 0.00	35.96 1.15 0.00	34.58 1.14 0.00	36.39 1.10 0.00	36.82 1.00 0.00	37.17 1.01 0.00	37.36 1.05 0.00	37.00 1.04 0.00	39.34 1.14 0.00	41.82 1.33 0.00	44.44 1.34 0.00	48.28 1.86 0.00	50.30 2.21 0.00	47.60 2.14 0.00	43.08 1.93 0.00	36.78 1.48 0.00	32.01 1.35 0.00
JARVIS____ 23743	27.08 0.16 0.00	24.44 0.15 0.00	22.37 0.16 0.00	20.83 0.15 0.00	21.35 0.15 0.00	24.99 0.10 0.00	30.22 0.06 0.00	33.36 0.07 0.00	34.88 0.07 0.00	33.48 0.03 0.00	35.33 0.04 0.00	35.86 0.04 0.00	36.20 0.04 0.00	36.34 0.04 0.00	35.99 0.04 0.00	38.27 0.08 0.00	40.56 0.08 0.00	43.19 0.09 0.00	46.51 0.09 0.00	48.18 0.10 0.00	45.56 0.09 0.00	41.23 0.08 0.00	35.37 0.07 0.00	30.75 0.09 0.00
JENNISON____1 23625	28.37 1.45 0.00	25.60 1.31 0.00	23.39 1.18 0.00	21.74 1.05 0.00	22.30 1.10 0.00	26.06 1.17 0.00	31.42 1.27 0.00	34.72 1.43 0.00	36.27 1.46 0.00	34.88 1.44 0.00	36.78 1.48 0.00	37.29 1.47 0.00	37.68 1.52 0.00	37.76 1.45 0.00	37.39 1.44 0.00	39.87 1.68 0.00	42.26 1.78 0.00	44.87 1.77 0.00	48.56 2.14 0.00	50.44 2.36 0.00	47.69 2.23 0.00	43.12 1.97 0.00	36.89 1.59 0.00	32.07 1.41 0.00
JENNISON____2 23626	28.37 1.45 0.00	25.60 1.31 0.00	23.39 1.18 0.00	21.74 1.05 0.00	22.30 1.10 0.00	26.06 1.17 0.00	31.42 1.27 0.00	34.72 1.43 0.00	36.27 1.46 0.00	34.88 1.44 0.00	36.78 1.48 0.00	37.29 1.47 0.00	37.68 1.52 0.00	37.76 1.45 0.00	37.39 1.44 0.00	39.87 1.68 0.00	42.26 1.78 0.00	44.87 1.77 0.00	48.56 2.14 0.00	50.44 2.36 0.00	47.69 2.23 0.00	43.12 1.97 0.00	36.89 1.59 0.00	32.07 1.41 0.00
JERICOHO_RISE_WT_PWR 323719	26.49 -0.43 0.00	23.88 -0.41 0.00	21.86 -0.36 0.00	20.35 -0.33 0.00	20.88 -0.32 0.00	24.80 -0.10 0.00	30.31 0.15 0.00	33.62 0.33 0.00	35.30 0.49 0.00	33.91 0.47 0.00	35.76 0.46 0.00	36.25 0.43 0.00	36.52 0.36 0.00	36.59 0.29 0.00	36.17 0.22 0.00	38.35 0.15 0.00	40.52 0.04 0.00	43.19 0.09 0.00	46.47 0.05 0.00	47.94 -0.14 0.00	45.24 -0.23 0.00	40.90 -0.25 0.00	35.09 -0.21 0.00	30.23 -0.43 0.00
KATONAH__115KV_46KV_TB4 355592	28.53 1.62 0.00	25.80 1.51 0.00	23.68 1.47 0.00	22.11 1.43 0.00	22.62 1.42 0.00	26.24 1.34 0.00	31.57 1.42 0.00	35.12 1.83 0.00	36.76 1.95 0.00	35.19 1.74 0.00	37.24 1.94 0.00	37.86 2.04 0.00	38.26 2.10 0.00	38.48 2.18 0.00	38.22 2.27 0.00	40.56 2.37 0.00	42.99 2.51 0.00	45.99 2.89 0.00	49.21 2.79 0.00	51.02 2.93 0.00	48.29 2.82 0.00	43.69 2.55 0.00	37.24 1.94 0.00	32.41 1.75 0.00
KCE_NY_1 323755	28.42 1.51 0.00	25.68 1.38 0.00	23.52 1.31 0.00	21.88 1.20 0.00	22.43 1.23 0.00	26.09 1.19 0.00	31.45 1.30 0.00	34.82 1.53 0.00	36.34 1.53 0.00	34.79 1.34 0.00	36.78 1.48 0.00	37.32 1.50 0.00	37.39 1.23 0.00	37.50 1.20 0.00	37.21 1.26 0.00	39.68 1.49 0.00	41.98 1.50 0.00	44.87 1.77 0.00	48.23 1.81 0.00	50.06 1.97 0.00	47.38 1.91 0.00	42.91 1.77 0.00	36.75 1.45 0.00	32.25 1.59 0.00
KCE_NY_6_ESR 323823	27.67 0.75 0.00	25.27 0.97 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	25.02 0.13 0.00	29.52 -0.63 0.00	32.12 -1.17 0.00	34.11 -0.70 0.00	33.18 -0.27 0.00	34.73 -0.57 0.00	35.35 -0.47 0.00	35.69 -0.47 0.00	36.31 0.00 0.00	35.96 0.00 0.00	37.69 -0.50 0.00	40.36 -0.12 0.00	42.03 -1.08 0.00	46.10 -0.32 0.00	48.09 0.00 0.00	45.33 -0.14 0.00	40.94 -0.20 0.00	35.23 -0.07 0.00	31.27 0.61 0.00
KEDC_PORT_JEFF_GT2 24210	29.54 2.61 -0.01	26.51 2.21 -0.01	24.62 2.40 -0.01	22.95 2.25 -0.01	23.58 2.37 -0.01	26.81 1.92 0.00	32.15 1.99 0.00	35.95 2.66 0.00	36.45 1.64 0.00	35.35 1.91 0.00	37.42 2.12 0.00	38.15 2.33 0.00	38.87 2.71 0.00	39.11 2.80 -0.01	38.91 2.95 -0.01	41.17 2.98 0.00	44.01 3.52 -0.01	46.95 3.83 -0.01	50.51 4.09 -0.01	51.74 3.65 0.00	49.11 3.64 -0.01	44.73 3.58 -0.01	38.37 3.07 0.00	33.58 2.91 -0.01
KEDC_PORT_JEFF_GT3 24211	29.54 2.61 -0.01	26.51 2.21 -0.01	24.62 2.40 -0.01	22.95 2.25 -0.01	23.58 2.37 -0.01	26.81 1.92 0.00	32.15 1.99 0.00	35.95 2.66 0.00	36.45 1.64 0.00	35.35 1.91 0.00	37.42 2.12 0.00	38.15 2.33 0.00	38.87 2.71 0.00	39.11 2.80 -0.01	38.91 2.95 -0.01	41.17 2.98 0.00	44.01 3.52 -0.01	46.95 3.83 -0.01	50.51 4.09 -0.01	51.74 3.65 0.00	49.11 3.64 -0.01	44.73 3.58 -0.01	38.37 3.07 0.00	33.58 2.91 -0.01
KEDC_GLWD_GT4 24219	28.97 2.04 -0.01	26.07 1.77 -0.01	24.02 1.80 -0.01	22.41 1.72 -0.01	22.94 1.74 -0.01	26.49 1.59 0.00	31.87 1.72 0.00	35.55 2.26 0.00	36.83 2.02 0.00	35.52 2.07 0.00	37.56 2.26 0.00	38.22 2.40 0.00	38.65 2.49 0.00	38.82 2.50 -0.01	38.55 2.59 -0.01	40.90 2.71 0.00	43.53 3.04 -0.01	46.13 3.02 -0.01	49.54 3.11 -0.01	51.02 2.93 0.00	48.34 2.87 -0.01	43.82 2.67 -0.01	37.81 2.51 0.00	32.97 2.30 -0.01
KEDC_GLWD_GT5 24220	28.97 2.04 -0.01	26.07 1.77 -0.01	24.02 1.80 -0.01	22.41 1.72 -0.01	22.94 1.74 -0.01	26.49 1.59 0.00	31.87 1.72 0.00	35.55 2.26 0.00	36.83 2.02 0.00	35.52 2.07 0.00	37.56 2.26 0.00	38.22 2.40 0.00	38.65 2.49 0.00	38.82 2.50 -0.01	38.55 2.59 -0.01	40.90 2.71 0.00	43.53 3.04 -0.01	46.13 3.02 -0.01	49.54 3.11 -0.01	51.02 2.93 0.00	48.34 2.87 -0.01	43.82 2.67 -0.01	37.81 2.51 0.00	32.97 2.30 -0.01
KENSICO____ 23655	28.51 1.59 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.07 1.39 0.00	22.60 1.40 0.00	26.16 1.27 0.00	31.51 1.36 0.00	35.12 1.83 0.00	36.76 1.95 0.00	35.19 1.74 0.00	37.21 1.91 0.00	37.79 1.97 0.00	38.15 1.99 0.00	38.45 2.14 0.00	38.19 2.23 0.00	40.45 2.25 0.00	42.87 2.39 0.00	45.78 2.67 0.00	49.16 2.74 0.00	50.97 2.89 0.00	48.15 2.68 0.00	43.57 2.43 0.00	37.21 1.91 0.00	32.38 1.72 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	28.53 1.62 0.00	25.77 1.48 0.00	23.61 1.40 0.00	22.03 1.34 0.00	22.53 1.34 0.00	26.16 1.27 0.00	31.54 1.39 0.00	35.05 1.76 0.00	36.69 1.88 0.00	35.15 1.71 0.00	37.03 1.73 0.00	37.65 1.83 0.00	38.00 1.84 0.00	38.27 1.96 0.00	38.04 2.09 0.00	40.41 2.22 0.00	42.87 2.39 0.00	45.91 2.80 0.00	49.35 2.92 0.00	51.21 3.13 0.00	48.42 2.96 0.00	43.69 2.55 0.00	37.31 2.01 0.00	32.41 1.75 0.00



KIAC_JFK_GT1 23816	28.56 1.64 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.07 1.39 0.00	22.57 1.38 0.00	26.16 1.27 0.00	31.60 1.45 0.00	35.05 1.76 0.00	36.76 1.95 0.00	35.25 1.81 0.00	36.99 1.69 0.00	37.57 1.76 0.00	37.97 1.81 0.00	38.23 1.92 0.00	38.01 2.05 0.00	40.29 2.10 0.00	42.71 2.23 0.00	45.60 2.50 0.00	48.88 2.46 0.00	50.64 2.55 0.00	47.83 2.36 0.00	43.24 2.10 0.00	37.17 1.87 0.00	32.53 1.87 0.00
KIAC_JFK_GT2 23817	28.56 1.64 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.07 1.39 0.00	22.57 1.38 0.00	26.16 1.27 0.00	31.60 1.45 0.00	35.05 1.76 0.00	36.76 1.95 0.00	35.25 1.81 0.00	36.99 1.69 0.00	37.57 1.76 0.00	37.97 1.81 0.00	38.23 1.92 0.00	38.01 2.05 0.00	40.29 2.10 0.00	42.71 2.23 0.00	45.60 2.50 0.00	48.88 2.46 0.00	50.64 2.55 0.00	47.83 2.36 0.00	43.24 2.10 0.00	37.17 1.87 0.00	32.53 1.87 0.00
KIAC_JFK____ 323774	28.56 1.64 0.00	25.70 1.41 0.00	23.64 1.42 0.00	22.07 1.39 0.00	22.57 1.38 0.00	26.16 1.27 0.00	31.60 1.45 0.00	35.05 1.76 0.00	36.62 1.81 0.00	35.22 1.77 0.00	36.89 1.59 0.00	37.54 1.72 0.00	38.00 1.84 0.00	38.08 1.78 0.00	37.79 1.83 0.00	40.21 2.02 0.00	42.63 2.14 0.00	45.56 2.46 0.00	48.83 2.41 0.00	50.44 2.36 0.00	47.74 2.27 0.00	43.08 1.93 0.00	37.28 1.98 0.00	32.56 1.90 0.00
KINTIGH__24_KV_GSU 356498	27.29 0.38 0.00	24.92 0.63 0.00	22.19 -0.02 0.00	20.56 -0.12 0.00	21.03 -0.17 0.00	24.75 -0.15 0.00	29.28 -0.88 0.00	31.92 -1.37 0.00	33.83 -0.97 0.00	32.81 -0.64 0.00	34.35 -0.95 0.00	34.96 -0.86 0.00	35.26 -0.90 0.00	35.80 -0.51 0.00	35.45 -0.50 0.00	37.20 -0.99 0.00	39.67 -0.81 0.00	41.59 -1.51 0.00	45.49 -0.93 0.00	47.42 -0.67 0.00	44.74 -0.73 0.00	40.40 -0.74 0.00	34.81 -0.49 0.00	30.88 0.22 0.00
KINTIGH____ 23543	27.29 0.38 0.00	24.63 0.34 0.00	22.19 -0.02 0.00	20.56 -0.12 0.00	21.03 -0.17 0.00	24.75 -0.15 0.00	29.28 -0.87 0.00	31.93 -1.36 0.00	33.49 -1.32 0.00	32.74 -0.70 0.00	34.03 -1.27 0.00	34.78 -1.04 0.00	35.18 -0.98 0.00	35.14 -1.16 0.00	34.66 -1.29 0.00	37.05 -1.15 0.00	39.51 -0.97 0.00	41.55 -1.55 0.00	45.40 -1.02 0.00	46.93 -1.15 0.00	44.56 -0.91 0.00	39.95 -1.19 0.00	34.81 -0.49 0.00	30.60 -0.06 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	26.86 -0.05 0.00	24.27 -0.02 0.00	22.19 -0.02 0.00	20.66 -0.02 0.00	21.20 0.00 0.00	25.17 0.27 0.00	30.73 0.57 0.00	34.16 0.87 0.00	35.82 1.01 0.00	34.42 0.97 0.00	36.29 0.99 0.00	36.79 0.97 0.00	37.10 0.94 0.00	37.14 0.84 0.00	36.71 0.76 0.00	38.92 0.73 0.00	41.17 0.69 0.00	43.88 0.78 0.00	47.16 0.74 0.00	48.71 0.63 0.00	45.92 0.45 0.00	41.56 0.41 0.00	35.58 0.28 0.00	30.69 0.03 0.00
LACHUTE____HYDRO 323717	30.41 3.50 0.00	27.40 3.11 0.00	24.99 2.78 0.00	23.14 2.46 0.00	23.76 2.56 0.00	27.68 2.79 0.00	33.35 3.20 0.00	36.75 3.46 0.00	38.60 3.79 0.00	36.82 3.38 0.00	39.15 3.85 0.00	39.61 3.80 0.00	38.84 2.68 0.00	38.95 2.65 0.00	38.76 2.81 0.00	41.51 3.32 0.00	43.72 3.24 0.00	46.81 3.71 0.00	50.41 3.99 0.00	52.71 4.62 0.00	49.97 4.50 0.00	45.18 4.03 0.00	38.44 3.14 0.00	34.40 3.74 0.00
LAWRNCAY_115KV_TB1 80681	26.76 -0.16 0.00	24.15 -0.15 0.00	22.08 -0.13 0.00	20.56 -0.12 0.00	21.11 -0.08 0.00	25.04 0.15 0.00	30.67 0.51 0.00	34.02 0.73 0.00	35.57 0.77 0.00	34.15 0.70 0.00	36.04 0.74 0.00	36.50 0.68 0.00	36.81 0.65 0.00	36.89 0.58 0.00	36.53 0.58 0.00	38.69 0.50 0.00	40.93 0.45 0.00	43.41 0.30 0.00	46.42 0.00 0.00	47.99 -0.10 0.00	45.33 -0.14 0.00	41.35 0.21 0.00	35.65 0.35 0.00	30.66 0.00 0.00
LEDERLE____ 23769	28.53 1.62 0.00	25.80 1.51 0.00	23.66 1.44 0.00	22.07 1.39 0.00	22.60 1.40 0.00	26.19 1.29 0.00	31.54 1.39 0.00	35.12 1.83 0.00	36.72 1.91 0.00	35.19 1.74 0.00	37.17 1.87 0.00	37.79 1.97 0.00	38.15 1.99 0.00	38.45 2.14 0.00	38.19 2.23 0.00	40.48 2.29 0.00	42.91 2.43 0.00	45.86 2.76 0.00	49.21 2.79 0.00	51.07 2.98 0.00	48.24 2.77 0.00	43.61 2.47 0.00	37.24 1.94 0.00	32.38 1.72 0.00
LIGHTHSE_115KV_TB6 355974	27.11 0.19 0.00	24.44 0.15 0.00	22.30 0.09 0.00	20.74 0.06 0.00	21.26 0.06 0.00	24.89 0.00 0.00	30.01 -0.15 0.00	33.12 -0.17 0.00	34.60 -0.21 0.00	33.31 -0.13 0.00	35.16 -0.14 0.00	35.60 -0.21 0.00	35.91 -0.25 0.00	36.01 -0.29 0.00	35.60 -0.36 0.00	37.85 -0.34 0.00	40.12 -0.36 0.00	42.63 -0.47 0.00	46.14 -0.28 0.00	47.90 -0.19 0.00	45.38 -0.09 0.00	41.10 -0.04 0.00	35.26 -0.04 0.00	30.69 0.03 0.00
LINDEN COGEN____ 23786	28.50 1.59 0.00	25.68 1.38 0.00	23.61 1.40 0.00	22.07 1.39 0.00	22.57 1.38 0.00	26.14 1.24 0.00	31.54 1.39 0.00	35.19 1.90 0.00	36.76 1.95 0.00	35.32 1.87 0.00	37.20 1.90 0.00	37.86 2.04 0.00	38.29 2.13 0.00	38.37 2.07 0.00	38.08 2.12 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.90 2.80 0.00	49.16 2.74 0.00	50.78 2.69 0.00	48.06 2.59 0.00	43.41 2.26 0.00	37.35 2.05 0.00	32.44 1.78 0.00
LINDHRST_69_KV_BK1 356055	29.58 2.66 0.00	26.79 2.50 0.00	24.55 2.33 0.00	22.90 2.21 0.00	23.46 2.27 0.00	26.91 2.02 0.00	32.33 2.17 0.00	36.09 2.80 0.00	37.59 2.78 0.00	36.09 2.64 0.00	38.37 3.07 0.00	38.97 3.15 0.00	39.31 3.15 0.00	39.68 3.38 0.00	39.44 3.49 0.00	41.74 3.55 0.00	44.49 4.01 0.00	47.50 4.40 0.00	51.06 4.64 0.00	52.95 4.86 0.00	50.06 4.59 0.00	45.26 4.11 0.00	38.44 3.14 0.00	33.63 2.97 0.00
LIPA_MISC_IPP 23656	29.42 2.50 0.00	26.77 2.48 0.00	24.59 2.38 0.00	22.92 2.23 0.00	23.59 2.40 0.00	26.69 1.79 0.00	31.94 1.78 0.00	35.72 2.43 0.00	37.14 2.33 0.00	35.69 2.24 0.00	37.98 2.68 0.00	38.58 2.76 0.00	38.98 2.82 0.00	39.39 3.09 0.00	39.16 3.20 0.00	41.40 3.21 0.00	44.21 3.72 0.00	47.16 4.05 0.00	50.69 4.27 0.00	52.51 4.42 0.00	49.60 4.14 0.00	44.89 3.74 0.00	38.09 2.79 0.00	33.33 2.67 0.00
LISF____SOLAR 323691	29.48 2.56 -0.01	26.46 2.16 -0.01	24.62 2.40 -0.01	22.97 2.28 -0.01	23.64 2.44 -0.01	26.71 1.82 0.00	31.97 1.81 0.00	35.79 2.50 0.00	36.48 1.67 0.00	35.39 1.94 0.00	37.45 2.15 0.00	38.18 2.36 0.00	38.65 2.49 0.00	38.93 2.62 -0.01	38.73 2.77 -0.01	40.94 2.75 0.00	43.77 3.28 -0.01	46.69 3.58 -0.01	50.24 3.81 -0.01	51.45 3.37 0.00	48.84 3.36 -0.01	44.53 3.37 -0.01	38.23 2.93 0.00	33.40 2.73 -0.01
LITTLE FALLS____HYD 24013	26.51 -0.40 0.00	23.95 -0.34 0.00	21.90 -0.31 0.00	20.37 -0.31 0.00	20.88 -0.32 0.00	24.45 -0.45 0.00	29.58 -0.57 0.00	32.69 -0.60 0.00	34.15 -0.66 0.00	32.78 -0.67 0.00	34.59 -0.71 0.00	35.07 -0.75 0.00	35.36 -0.80 0.00	35.51 -0.80 0.00	35.17 -0.79 0.00	37.35 -0.84 0.00	39.55 -0.93 0.00	42.03 -1.08 0.00	45.26 -1.16 0.00	46.93 -1.15 0.00	44.42 -1.05 0.00	40.24 -0.91 0.00	34.56 -0.74 0.00	30.08 -0.58 0.00



LITTLRIV_115KV_TB1 356100	27.02 0.11 0.00	24.39 0.10 0.00	22.30 0.09 0.00	20.77 0.08 0.00	21.32 0.13 0.00	25.29 0.40 0.00	31.00 0.84 0.00	34.39 1.10 0.00	35.92 1.11 0.00	34.42 0.97 0.00	36.36 1.06 0.00	36.79 0.97 0.00	37.10 0.94 0.00	37.18 0.87 0.00	36.78 0.83 0.00	38.99 0.80 0.00	41.29 0.81 0.00	43.84 0.73 0.00	46.93 0.51 0.00	48.62 0.53 0.00	45.97 0.50 0.00	41.93 0.78 0.00	36.08 0.78 0.00	31.00 0.34 0.00
LI_NEWBRDGE___DRP 323616	29.02 2.10 0.00	26.26 1.97 0.00	24.08 1.87 0.00	22.46 1.78 0.00	23.02 1.82 0.00	26.46 1.57 0.00	31.82 1.66 0.00	35.45 2.16 0.00	36.97 2.16 0.00	35.49 2.04 0.00	37.66 2.37 0.00	38.22 2.40 0.00	38.58 2.42 0.00	38.92 2.61 0.00	38.65 2.70 0.00	40.94 2.75 0.00	43.52 3.04 0.00	46.47 3.36 0.00	49.90 3.48 0.00	51.79 3.70 0.00	48.88 3.41 0.00	44.23 3.09 0.00	37.66 2.37 0.00	32.93 2.27 0.00
LOCKPORT_115KV_TB60_63_64 80432	27.51 0.59 0.00	24.85 0.56 0.00	22.33 0.11 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.89 0.00 0.00	29.22 -0.93 0.00	31.89 -1.40 0.00	33.52 -1.29 0.00	32.88 -0.57 0.00	34.10 -1.20 0.00	34.89 -0.93 0.00	35.29 -0.87 0.00	35.25 -1.05 0.00	34.59 -1.37 0.00	37.05 -1.15 0.00	39.59 -0.89 0.00	41.51 -1.59 0.00	45.49 -0.93 0.00	46.93 -1.15 0.00	44.60 -0.86 0.00	39.95 -1.19 0.00	34.91 -0.39 0.00	30.75 0.09 0.00
LOCKPORT___CC1 323769	27.48 0.57 0.00	25.17 0.87 0.00	22.30 0.09 0.00	20.66 -0.02 0.00	21.11 -0.08 0.00	24.87 -0.02 0.00	29.19 -0.97 0.00	31.86 -1.43 0.00	33.87 -0.94 0.00	32.91 -0.54 0.00	34.42 -0.88 0.00	35.03 -0.79 0.00	35.33 -0.83 0.00	35.98 -0.33 0.00	35.53 -0.43 0.00	37.16 -1.03 0.00	39.79 -0.69 0.00	41.47 -1.64 0.00	45.49 -0.93 0.00	47.51 -0.57 0.00	44.83 -0.64 0.00	40.44 -0.70 0.00	34.91 -0.39 0.00	31.06 0.40 0.00
LOCKPORT___CC2 323770	27.48 0.57 0.00	25.17 0.87 0.00	22.30 0.09 0.00	20.66 -0.02 0.00	21.11 -0.08 0.00	24.87 -0.02 0.00	29.19 -0.97 0.00	31.86 -1.43 0.00	33.87 -0.94 0.00	32.91 -0.54 0.00	34.42 -0.88 0.00	35.03 -0.79 0.00	35.33 -0.83 0.00	35.98 -0.33 0.00	35.53 -0.43 0.00	37.16 -1.03 0.00	39.79 -0.69 0.00	41.47 -1.64 0.00	45.49 -0.93 0.00	47.51 -0.57 0.00	44.83 -0.64 0.00	40.44 -0.70 0.00	34.91 -0.39 0.00	31.06 0.40 0.00
LOCKPORT___CC3 323771	27.48 0.57 0.00	25.17 0.87 0.00	22.30 0.09 0.00	20.66 -0.02 0.00	21.11 -0.08 0.00	24.87 -0.02 0.00	29.19 -0.97 0.00	31.86 -1.43 0.00	33.87 -0.94 0.00	32.91 -0.54 0.00	34.42 -0.88 0.00	35.03 -0.79 0.00	35.33 -0.83 0.00	35.98 -0.33 0.00	35.53 -0.43 0.00	37.16 -1.03 0.00	39.79 -0.69 0.00	41.47 -1.64 0.00	45.49 -0.93 0.00	47.51 -0.57 0.00	44.83 -0.64 0.00	40.44 -0.70 0.00	34.91 -0.39 0.00	31.06 0.40 0.00
LOCUSVLY_69_KV_BK2 55797	29.15 2.23 0.00	26.38 2.09 0.00	24.17 1.95 0.00	22.54 1.86 0.00	23.10 1.91 0.00	26.61 1.72 0.00	32.03 1.87 0.00	35.69 2.40 0.00	37.25 2.44 0.00	35.75 2.31 0.00	37.95 2.65 0.00	38.54 2.72 0.00	38.87 2.71 0.00	39.21 2.90 0.00	38.98 3.02 0.00	41.25 3.06 0.00	43.76 3.28 0.00	46.72 3.62 0.00	50.13 3.71 0.00	51.98 3.90 0.00	49.10 3.64 0.00	44.44 3.29 0.00	37.91 2.61 0.00	33.14 2.48 0.00
LONG_LAKE_PHOENIX 24014	26.65 -0.27 0.00	24.05 -0.24 0.00	21.95 -0.27 0.00	20.41 -0.27 0.00	20.92 -0.28 0.00	24.50 -0.40 0.00	29.55 -0.60 0.00	32.46 -0.83 0.00	33.94 -0.87 0.00	32.71 -0.74 0.00	34.52 -0.78 0.00	35.03 -0.79 0.00	35.36 -0.80 0.00	35.51 -0.80 0.00	35.13 -0.83 0.00	37.39 -0.80 0.00	39.63 -0.85 0.00	42.11 -0.99 0.00	45.49 -0.93 0.00	47.13 -0.96 0.00	44.60 -0.86 0.00	40.32 -0.82 0.00	34.59 -0.71 0.00	30.20 -0.46 0.00
LOVETT___3 23632	28.40 1.48 0.00	25.70 1.41 0.00	23.55 1.33 0.00	21.99 1.30 0.00	22.51 1.31 0.00	26.09 1.19 0.00	31.42 1.27 0.00	34.99 1.70 0.00	36.55 1.74 0.00	35.02 1.57 0.00	37.03 1.73 0.00	37.61 1.79 0.00	37.97 1.81 0.00	38.27 1.96 0.00	38.01 2.05 0.00	40.25 2.06 0.00	42.67 2.19 0.00	45.60 2.50 0.00	48.93 2.51 0.00	50.78 2.69 0.00	47.97 2.50 0.00	43.37 2.22 0.00	37.06 1.76 0.00	32.22 1.56 0.00
LOVETT___4 23642	28.40 1.48 0.00	25.70 1.41 0.00	23.55 1.33 0.00	21.99 1.30 0.00	22.51 1.31 0.00	26.09 1.19 0.00	31.42 1.27 0.00	34.99 1.70 0.00	36.55 1.74 0.00	35.02 1.57 0.00	37.03 1.73 0.00	37.61 1.79 0.00	37.97 1.81 0.00	38.27 1.96 0.00	38.01 2.05 0.00	40.25 2.06 0.00	42.67 2.19 0.00	45.60 2.50 0.00	48.93 2.51 0.00	50.78 2.69 0.00	47.97 2.50 0.00	43.37 2.22 0.00	37.06 1.76 0.00	32.22 1.56 0.00
LOVETT___5 23593	28.40 1.48 0.00	25.70 1.41 0.00	23.55 1.33 0.00	21.99 1.30 0.00	22.51 1.31 0.00	26.09 1.19 0.00	31.42 1.27 0.00	34.99 1.70 0.00	36.55 1.74 0.00	35.02 1.57 0.00	37.03 1.73 0.00	37.61 1.79 0.00	37.97 1.81 0.00	38.27 1.96 0.00	38.01 2.05 0.00	40.25 2.06 0.00	42.67 2.19 0.00	45.60 2.50 0.00	48.93 2.51 0.00	50.78 2.69 0.00	47.97 2.50 0.00	43.37 2.22 0.00	37.06 1.76 0.00	32.22 1.56 0.00
LOWER RAQUET___HYD 24057	26.78 -0.13 0.00	24.15 -0.14 0.00	22.10 -0.11 0.00	20.58 -0.10 0.00	21.11 -0.08 0.00	25.05 0.15 0.00	30.70 0.54 0.00	34.06 0.77 0.00	35.64 0.83 0.00	34.18 0.73 0.00	36.07 0.78 0.00	36.54 0.72 0.00	36.85 0.69 0.00	36.88 0.58 0.00	36.50 0.54 0.00	38.69 0.50 0.00	40.93 0.45 0.00	43.36 0.26 0.00	46.37 -0.05 0.00	47.90 -0.19 0.00	45.29 -0.18 0.00	41.31 0.17 0.00	35.65 0.35 0.00	30.69 0.03 0.00
LOWER___HUDSON 24059	27.91 1.00 0.00	25.24 0.95 0.00	23.19 0.98 0.00	21.61 0.93 0.00	22.13 0.93 0.00	25.72 0.82 0.00	31.00 0.84 0.00	34.36 1.07 0.00	35.78 0.97 0.00	34.25 0.80 0.00	36.22 0.92 0.00	36.75 0.93 0.00	37.03 0.87 0.00	37.14 0.84 0.00	36.78 0.83 0.00	39.22 1.03 0.00	41.53 1.05 0.00	44.44 1.34 0.00	47.77 1.35 0.00	49.48 1.40 0.00	46.83 1.36 0.00	42.42 1.28 0.00	36.36 1.06 0.00	31.73 1.07 0.00
LOWVILLE_115KV_TB2 356335	27.48 0.57 0.00	24.78 0.49 0.00	22.66 0.44 0.00	21.05 0.37 0.00	21.62 0.42 0.00	25.39 0.50 0.00	30.76 0.60 0.00	34.06 0.77 0.00	35.54 0.73 0.00	34.05 0.60 0.00	35.97 0.67 0.00	36.14 0.32 0.00	36.41 0.25 0.00	36.49 0.18 0.00	36.10 0.14 0.00	38.38 0.19 0.00	40.72 0.24 0.00	43.32 0.22 0.00	46.79 0.37 0.00	48.67 0.58 0.00	46.10 0.64 0.00	41.84 0.70 0.00	35.83 0.53 0.00	31.00 0.34 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	28.40 1.48 0.00	25.68 1.38 0.00	23.52 1.31 0.00	21.88 1.20 0.00	22.43 1.23 0.00	26.09 1.19 0.00	31.45 1.30 0.00	34.79 1.50 0.00	36.38 1.57 0.00	34.78 1.34 0.00	36.82 1.52 0.00	37.32 1.50 0.00	37.64 1.48 0.00	37.83 1.52 0.00	37.32 1.37 0.00	39.60 1.41 0.00	41.98 1.50 0.00	44.83 1.72 0.00	48.23 1.81 0.00	50.11 2.02 0.00	47.38 1.91 0.00	42.95 1.81 0.00	36.96 1.66 0.00	32.22 1.56 0.00



LUTHERNY_35_KV_BK2 355980	28.42 1.51 0.00	25.70 1.41 0.00	23.52 1.31 0.00	21.88 1.20 0.00	22.43 1.23 0.00	26.09 1.19 0.00	31.45 1.30 0.00	34.82 1.53 0.00	36.38 1.57 0.00	34.78 1.34 0.00	36.82 1.52 0.00	37.36 1.54 0.00	37.64 1.48 0.00	37.87 1.56 0.00	37.32 1.37 0.00	39.64 1.45 0.00	41.98 1.50 0.00	44.87 1.77 0.00	48.23 1.81 0.00	50.11 2.02 0.00	47.42 1.96 0.00	43.00 1.85 0.00	36.99 1.69 0.00	32.25 1.59 0.00
LWR___OSWEGATCHIE_HYD 23850	27.11 0.19 0.00	24.44 0.15 0.00	22.35 0.13 0.00	20.79 0.10 0.00	21.35 0.15 0.00	25.17 0.27 0.00	30.64 0.48 0.00	33.99 0.70 0.00	35.47 0.66 0.00	34.01 0.57 0.00	35.97 0.67 0.00	36.28 0.47 0.00	36.59 0.43 0.00	36.63 0.33 0.00	36.24 0.29 0.00	38.46 0.27 0.00	40.77 0.28 0.00	43.28 0.17 0.00	46.51 0.09 0.00	48.28 0.19 0.00	45.65 0.18 0.00	41.56 0.41 0.00	35.72 0.42 0.00	30.81 0.15 0.00
LYONS_FALL_HYD 23570	27.51 0.59 0.00	24.80 0.51 0.00	22.68 0.47 0.00	21.10 0.41 0.00	21.64 0.45 0.00	25.39 0.50 0.00	30.76 0.60 0.00	34.02 0.73 0.00	35.54 0.73 0.00	34.08 0.63 0.00	36.00 0.71 0.00	36.28 0.46 0.00	36.63 0.47 0.00	36.71 0.40 0.00	36.35 0.40 0.00	38.65 0.46 0.00	40.97 0.49 0.00	43.58 0.48 0.00	47.07 0.65 0.00	48.91 0.82 0.00	46.29 0.82 0.00	41.97 0.82 0.00	35.94 0.64 0.00	31.12 0.46 0.00
MADISON___COUNTY_LFGE 323628	27.78 0.86 0.00	25.05 0.75 0.00	22.88 0.67 0.00	21.28 0.60 0.00	21.81 0.61 0.00	25.57 0.67 0.00	30.88 0.72 0.00	34.12 0.83 0.00	35.64 0.84 0.00	34.28 0.84 0.00	36.18 0.88 0.00	36.68 0.86 0.00	37.06 0.90 0.00	37.18 0.87 0.00	36.82 0.86 0.00	39.15 0.95 0.00	41.53 1.05 0.00	44.14 1.03 0.00	47.67 1.25 0.00	49.48 1.39 0.00	46.83 1.36 0.00	42.38 1.23 0.00	36.25 0.95 0.00	31.49 0.83 0.00
MALONE___115KV_TB1 356076	26.81 -0.11 0.00	24.22 -0.07 0.00	22.13 -0.09 0.00	20.62 -0.06 0.00	21.15 -0.04 0.00	25.14 0.25 0.00	30.76 0.60 0.00	34.16 0.87 0.00	35.82 1.01 0.00	34.45 1.00 0.00	36.32 1.02 0.00	36.82 1.00 0.00	37.14 0.98 0.00	37.18 0.87 0.00	36.78 0.83 0.00	38.96 0.76 0.00	41.21 0.73 0.00	43.88 0.78 0.00	47.07 0.65 0.00	48.62 0.53 0.00	45.83 0.36 0.00	41.56 0.41 0.00	35.65 0.35 0.00	30.69 0.03 0.00
MAPLEWOD_115KV_TB3 80458	27.75 0.83 0.00	25.12 0.83 0.00	23.04 0.82 0.00	21.45 0.77 0.00	21.96 0.76 0.00	25.54 0.65 0.00	30.79 0.63 0.00	34.09 0.80 0.00	35.57 0.77 0.00	34.08 0.64 0.00	36.04 0.74 0.00	36.57 0.75 0.00	36.88 0.72 0.00	37.10 0.80 0.00	36.86 0.90 0.00	39.07 0.88 0.00	41.37 0.89 0.00	44.22 1.12 0.00	47.53 1.11 0.00	49.29 1.20 0.00	46.65 1.18 0.00	42.25 1.11 0.00	36.18 0.88 0.00	31.52 0.86 0.00
MAPLE_RIDGE_WT_1 323574	26.60 -0.32 0.00	24.00 -0.29 0.00	21.97 -0.24 0.00	20.48 -0.21 0.00	21.01 -0.19 0.00	24.69 -0.20 0.00	29.98 -0.18 0.00	33.16 -0.13 0.00	34.67 -0.14 0.00	33.25 -0.20 0.00	35.09 -0.21 0.00	35.53 -0.29 0.00	35.83 -0.33 0.00	35.91 -0.40 0.00	35.53 -0.43 0.00	37.77 -0.42 0.00	40.00 -0.48 0.00	42.67 -0.43 0.00	45.87 -0.55 0.00	47.46 -0.63 0.00	44.83 -0.64 0.00	40.53 -0.62 0.00	34.73 -0.57 0.00	30.11 -0.55 0.00
MAPLE_RIDGE_WT_2 323611	26.60 -0.32 0.00	24.00 -0.29 0.00	21.97 -0.24 0.00	20.48 -0.21 0.00	21.01 -0.19 0.00	24.69 -0.20 0.00	29.98 -0.18 0.00	33.16 -0.13 0.00	34.67 -0.14 0.00	33.25 -0.20 0.00	35.09 -0.21 0.00	35.53 -0.29 0.00	35.83 -0.33 0.00	35.91 -0.40 0.00	35.53 -0.43 0.00	37.77 -0.42 0.00	40.00 -0.48 0.00	42.67 -0.43 0.00	45.87 -0.55 0.00	47.46 -0.63 0.00	44.83 -0.64 0.00	40.53 -0.62 0.00	34.73 -0.57 0.00	30.11 -0.55 0.00
MARBLE_RIVER_WT_PWR 323696	26.57 -0.35 0.00	23.95 -0.34 0.00	21.92 -0.29 0.00	20.41 -0.27 0.00	20.94 -0.25 0.00	24.85 -0.05 0.00	30.37 0.21 0.00	33.69 0.40 0.00	35.33 0.52 0.00	33.95 0.50 0.00	35.83 0.53 0.00	36.28 0.46 0.00	36.60 0.44 0.00	36.67 0.36 0.00	36.24 0.29 0.00	38.38 0.19 0.00	40.60 0.12 0.00	43.23 0.13 0.00	46.51 0.09 0.00	48.04 -0.05 0.00	45.33 -0.14 0.00	40.98 -0.16 0.00	35.16 -0.14 0.00	30.32 -0.34 0.00
MARSHVLE_115KV_TB1 80742	30.01 3.10 0.00	27.04 2.75 0.00	24.68 2.47 0.00	22.92 2.23 0.00	23.53 2.33 0.00	27.61 2.71 0.00	33.26 3.11 0.00	36.69 3.40 0.00	38.36 3.55 0.00	36.59 3.14 0.00	38.72 3.42 0.00	39.22 3.40 0.00	39.56 3.40 0.00	39.72 3.41 0.00	39.41 3.45 0.00	41.93 3.74 0.00	44.45 3.97 0.00	47.29 4.18 0.00	51.06 4.64 0.00	53.33 5.24 0.00	50.60 5.14 0.00	45.71 4.57 0.00	39.22 3.92 0.00	33.97 3.31 0.00
MARSH_HILL_WT_PWR 323713	27.80 0.89 0.00	25.24 0.95 0.00	22.66 0.44 0.00	21.01 0.33 0.00	21.52 0.32 0.00	25.29 0.40 0.00	30.13 -0.03 0.00	32.89 -0.40 0.00	34.53 -0.28 0.00	33.45 0.00 0.00	35.05 -0.25 0.00	35.61 -0.21 0.00	35.94 -0.22 0.00	36.41 0.11 0.00	35.99 0.04 0.00	37.88 -0.31 0.00	40.36 -0.12 0.00	42.37 -0.73 0.00	46.47 0.05 0.00	48.52 0.43 0.00	45.79 0.32 0.00	41.31 0.17 0.00	35.51 0.21 0.00	31.21 0.55 0.00
MCINTYRE_115KV_TB2 80467	27.11 0.19 0.00	24.44 0.15 0.00	22.37 0.16 0.00	20.83 0.14 0.00	21.37 0.17 0.00	25.39 0.50 0.00	31.12 0.97 0.00	34.49 1.20 0.00	35.99 1.18 0.00	34.45 1.00 0.00	36.36 1.06 0.00	36.79 0.97 0.00	37.10 0.94 0.00	37.14 0.84 0.00	36.78 0.83 0.00	39.03 0.84 0.00	41.37 0.89 0.00	44.01 0.91 0.00	47.26 0.84 0.00	49.00 0.91 0.00	46.33 0.86 0.00	42.21 1.07 0.00	36.29 0.99 0.00	31.15 0.49 0.00
MECO_____69_KV_BK1 80468	29.85 2.93 0.00	26.87 2.58 0.00	24.52 2.31 0.00	22.79 2.11 0.00	23.38 2.18 0.00	27.43 2.54 0.00	33.11 2.96 0.00	36.52 3.23 0.00	38.25 3.45 0.00	36.46 3.01 0.00	38.62 3.32 0.00	39.08 3.26 0.00	39.34 3.18 0.00	39.50 3.19 0.00	39.16 3.20 0.00	41.71 3.51 0.00	44.25 3.76 0.00	47.16 4.05 0.00	50.88 4.46 0.00	53.09 5.00 0.00	50.33 4.86 0.00	45.46 4.32 0.00	38.94 3.64 0.00	33.73 3.07 0.00
MENANDS___115KV_TB5 355628	27.56 0.65 0.00	25.00 0.70 0.00	22.90 0.69 0.00	21.34 0.66 0.00	21.85 0.66 0.00	25.42 0.52 0.00	30.61 0.45 0.00	33.89 0.60 0.00	35.37 0.56 0.00	33.88 0.43 0.00	35.83 0.53 0.00	36.36 0.54 0.00	36.67 0.51 0.00	36.89 0.58 0.00	36.64 0.68 0.00	38.84 0.65 0.00	41.13 0.65 0.00	43.92 0.82 0.00	47.21 0.79 0.00	49.00 0.91 0.00	46.33 0.86 0.00	41.97 0.82 0.00	35.97 0.67 0.00	31.33 0.67 0.00
MG INDUSTRY___DRP 24185	27.64 0.73 0.00	25.02 0.73 0.00	22.93 0.71 0.00	21.34 0.66 0.00	21.88 0.68 0.00	25.47 0.57 0.00	30.64 0.48 0.00	33.89 0.60 0.00	35.33 0.52 0.00	33.85 0.40 0.00	35.76 0.46 0.00	36.28 0.47 0.00	36.59 0.43 0.00	36.81 0.51 0.00	36.53 0.58 0.00	38.76 0.57 0.00	41.09 0.61 0.00	43.88 0.78 0.00	47.21 0.79 0.00	48.95 0.87 0.00	46.33 0.86 0.00	42.01 0.86 0.00	36.01 0.71 0.00	31.33 0.67 0.00



MID___OSWEGATCHIE_HYD 23849	27.11 0.19 0.00	24.44 0.15 0.00	22.35 0.13 0.00	20.79 0.10 0.00	21.35 0.15 0.00	25.17 0.27 0.00	30.64 0.48 0.00	33.99 0.70 0.00	35.47 0.66 0.00	34.01 0.57 0.00	35.97 0.67 0.00	36.28 0.47 0.00	36.59 0.43 0.00	36.63 0.33 0.00	36.24 0.29 0.00	38.46 0.27 0.00	40.77 0.28 0.00	43.28 0.17 0.00	46.51 0.09 0.00	48.28 0.19 0.00	45.65 0.18 0.00	41.56 0.41 0.00	35.72 0.42 0.00	30.81 0.15 0.00
MID___RAQUETTE_HYD 23851	26.78 -0.13 0.00	24.17 -0.12 0.00	22.10 -0.11 0.00	20.58 -0.10 0.00	21.11 -0.08 0.00	25.04 0.15 0.00	30.70 0.54 0.00	34.06 0.77 0.00	35.61 0.80 0.00	34.18 0.74 0.00	36.08 0.78 0.00	36.54 0.72 0.00	36.85 0.69 0.00	36.92 0.62 0.00	36.53 0.58 0.00	38.69 0.50 0.00	40.93 0.45 0.00	43.36 0.26 0.00	46.33 -0.09 0.00	47.94 -0.14 0.00	45.28 -0.18 0.00	41.31 0.16 0.00	35.65 0.35 0.00	30.66 0.00 0.00
MILLIKEN___1 23584	27.72 0.81 0.00	25.02 0.73 0.00	22.81 0.60 0.00	21.20 0.52 0.00	21.73 0.53 0.00	25.44 0.55 0.00	30.67 0.51 0.00	33.76 0.47 0.00	35.23 0.42 0.00	34.01 0.57 0.00	35.79 0.49 0.00	36.32 0.50 0.00	36.70 0.54 0.00	36.81 0.51 0.00	36.39 0.43 0.00	38.76 0.57 0.00	41.17 0.69 0.00	43.75 0.65 0.00	47.40 0.97 0.00	49.15 1.06 0.00	46.51 1.05 0.00	42.01 0.86 0.00	36.01 0.71 0.00	31.36 0.71 0.00
MILLIKEN___2 23585	27.72 0.81 0.00	25.02 0.73 0.00	22.81 0.60 0.00	21.20 0.52 0.00	21.73 0.53 0.00	25.44 0.55 0.00	30.67 0.51 0.00	33.76 0.47 0.00	35.23 0.42 0.00	34.01 0.57 0.00	35.79 0.49 0.00	36.32 0.50 0.00	36.70 0.54 0.00	36.81 0.51 0.00	36.39 0.43 0.00	38.76 0.57 0.00	41.17 0.69 0.00	43.75 0.65 0.00	47.40 0.97 0.00	49.15 1.06 0.00	46.51 1.05 0.00	42.01 0.86 0.00	36.01 0.71 0.00	31.36 0.71 0.00
MILLIKEN___DIESEL 23629	27.72 0.81 0.00	25.02 0.73 0.00	22.81 0.60 0.00	21.20 0.52 0.00	21.73 0.53 0.00	25.44 0.55 0.00	30.67 0.51 0.00	33.76 0.47 0.00	35.23 0.42 0.00	34.01 0.57 0.00	35.79 0.49 0.00	36.32 0.50 0.00	36.70 0.54 0.00	36.81 0.51 0.00	36.39 0.43 0.00	38.76 0.57 0.00	41.17 0.69 0.00	43.75 0.65 0.00	47.40 0.97 0.00	49.15 1.06 0.00	46.51 1.05 0.00	42.01 0.86 0.00	36.01 0.71 0.00	31.36 0.71 0.00
MILLSEAT___LFGE 323607	28.07 1.16 0.00	25.65 1.36 0.00	22.79 0.58 0.00	21.10 0.41 0.00	21.58 0.38 0.00	25.37 0.47 0.00	29.80 -0.36 0.00	32.72 -0.57 0.00	34.77 -0.03 0.00	33.75 0.30 0.00	35.37 0.07 0.00	36.00 0.18 0.00	36.27 0.11 0.00	36.85 0.55 0.00	36.50 0.54 0.00	38.15 -0.04 0.00	40.85 0.36 0.00	42.76 -0.35 0.00	46.93 0.51 0.00	49.05 0.96 0.00	46.33 0.86 0.00	41.60 0.45 0.00	35.86 0.56 0.00	31.79 1.14 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	28.45 1.53 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.03 1.34 0.00	22.55 1.36 0.00	26.14 1.24 0.00	31.48 1.33 0.00	35.05 1.76 0.00	36.65 1.84 0.00	35.12 1.67 0.00	37.10 1.80 0.00	37.68 1.86 0.00	38.08 1.92 0.00	38.34 2.03 0.00	38.08 2.12 0.00	40.37 2.18 0.00	42.79 2.31 0.00	45.69 2.59 0.00	49.02 2.60 0.00	50.83 2.74 0.00	48.06 2.59 0.00	43.49 2.35 0.00	37.14 1.84 0.00	32.31 1.66 0.00
MILLWOOD_13_KV_LOAD 356217	28.51 1.59 0.00	25.80 1.51 0.00	23.66 1.44 0.00	22.09 1.41 0.00	22.62 1.42 0.00	26.19 1.29 0.00	31.54 1.39 0.00	35.12 1.83 0.00	36.76 1.95 0.00	35.19 1.74 0.00	37.21 1.91 0.00	37.79 1.97 0.00	38.19 2.02 0.00	38.45 2.14 0.00	38.19 2.23 0.00	40.48 2.29 0.00	42.91 2.43 0.00	45.86 2.76 0.00	49.16 2.74 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.61 2.47 0.00	37.24 1.94 0.00	32.41 1.75 0.00
MODEL_CITY_ENERGY 24167	27.32 0.40 0.00	25.05 0.75 0.00	22.17 -0.04 0.00	20.54 -0.14 0.00	21.01 -0.19 0.00	24.75 -0.15 0.00	28.98 -1.18 0.00	31.49 -1.80 0.00	33.49 -1.32 0.00	32.58 -0.87 0.00	34.03 -1.27 0.00	34.39 -1.43 0.00	34.68 -1.48 0.00	35.33 -0.98 0.00	35.24 -0.72 0.00	36.82 -1.37 0.00	39.43 -1.05 0.00	41.08 -2.03 0.00	45.07 -1.35 0.00	47.08 -1.01 0.00	44.37 -1.09 0.00	40.07 -1.07 0.00	34.59 -0.71 0.00	30.81 0.15 0.00
MODERN_LFGE___ 323580	27.32 0.40 0.00	25.05 0.75 0.00	22.17 -0.04 0.00	20.54 -0.14 0.00	21.01 -0.19 0.00	24.75 -0.15 0.00	28.98 -1.18 0.00	31.49 -1.80 0.00	33.49 -1.32 0.00	32.58 -0.87 0.00	34.03 -1.27 0.00	34.39 -1.43 0.00	34.68 -1.48 0.00	35.33 -0.98 0.00	35.24 -0.72 0.00	36.82 -1.37 0.00	39.43 -1.05 0.00	41.08 -2.03 0.00	45.07 -1.35 0.00	47.08 -1.01 0.00	44.37 -1.09 0.00	40.07 -1.07 0.00	34.59 -0.71 0.00	30.81 0.15 0.00
MOHAWK_PAPER___DRP 24187	27.75 0.83 0.00	25.12 0.83 0.00	23.04 0.82 0.00	21.45 0.77 0.00	21.96 0.76 0.00	25.54 0.65 0.00	30.79 0.63 0.00	34.09 0.80 0.00	35.57 0.77 0.00	34.08 0.64 0.00	36.04 0.74 0.00	36.57 0.75 0.00	36.88 0.72 0.00	37.10 0.80 0.00	36.86 0.90 0.00	39.07 0.88 0.00	41.37 0.89 0.00	44.22 1.12 0.00	47.53 1.11 0.00	49.29 1.20 0.00	46.65 1.18 0.00	42.25 1.11 0.00	36.18 0.88 0.00	31.52 0.86 0.00
MOHICAN___35_KV_115KV_LD 80490	28.72 1.80 0.00	25.99 1.70 0.00	23.77 1.55 0.00	22.11 1.43 0.00	22.66 1.46 0.00	26.29 1.39 0.00	31.69 1.54 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.02 1.57 0.00	37.10 1.80 0.00	37.61 1.79 0.00	37.86 1.70 0.00	38.08 1.78 0.00	37.14 1.19 0.00	39.45 1.26 0.00	41.78 1.30 0.00	44.61 1.51 0.00	48.00 1.58 0.00	49.92 1.83 0.00	47.24 1.77 0.00	42.83 1.69 0.00	37.24 1.94 0.00	32.56 1.90 0.00
MONGAUP___HYD 23641	28.37 1.45 0.00	25.58 1.29 0.00	23.48 1.27 0.00	21.88 1.20 0.00	22.40 1.21 0.00	26.04 1.15 0.00	31.36 1.21 0.00	34.79 1.50 0.00	36.24 1.43 0.00	34.75 1.30 0.00	36.57 1.27 0.00	37.21 1.40 0.00	37.61 1.45 0.00	37.76 1.45 0.00	37.43 1.47 0.00	39.87 1.68 0.00	42.35 1.86 0.00	45.39 2.28 0.00	48.83 2.41 0.00	50.68 2.60 0.00	47.97 2.50 0.00	43.28 2.14 0.00	37.10 1.80 0.00	32.22 1.56 0.00
MONTAUK___DIESEL 23721	30.23 3.31 0.00	27.52 3.23 0.00	25.30 3.09 0.00	23.58 2.90 0.00	24.29 3.09 0.00	27.41 2.51 0.00	32.81 2.65 0.00	36.85 3.56 0.00	38.43 3.62 0.00	37.03 3.58 0.00	39.43 4.13 0.00	40.08 4.26 0.00	40.36 4.19 0.00	40.77 4.47 0.00	40.56 4.60 0.00	42.85 4.66 0.00	45.87 5.38 0.00	48.84 5.73 0.00	52.46 6.03 0.00	54.15 6.06 0.00	51.19 5.73 0.00	46.45 5.31 0.00	39.36 4.06 0.00	34.52 3.86 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	27.70 0.78 0.00	24.90 0.61 0.00	22.39 0.18 0.00	20.77 0.08 0.00	21.24 0.04 0.00	25.12 0.22 0.00	29.73 -0.42 0.00	32.49 -0.80 0.00	34.22 -0.59 0.00	33.58 0.13 0.00	34.91 -0.39 0.00	35.64 -0.18 0.00	36.16 0.00 0.00	36.16 -0.15 0.00	35.56 -0.40 0.00	38.12 -0.08 0.00	40.77 0.28 0.00	42.59 -0.52 0.00	46.70 0.28 0.00	48.18 0.10 0.00	45.69 0.23 0.00	40.69 -0.45 0.00	35.34 0.04 0.00	30.87 0.21 0.00



MORRIS_RIDGE___SOLAR 323848	27.56 0.64 0.00	25.07 0.78 0.00	22.44 0.22 0.00	20.81 0.12 0.00	21.30 0.11 0.00	25.05 0.15 0.00	29.71 -0.45 0.00	32.42 -0.87 0.00	34.11 -0.70 0.00	33.08 -0.37 0.00	34.59 -0.71 0.00	35.18 -0.64 0.00	35.47 -0.69 0.00	35.98 -0.33 0.00	35.56 -0.39 0.00	37.46 -0.73 0.00	40.00 -0.48 0.00	41.94 -1.16 0.00	46.00 -0.42 0.00	48.09 0.00 0.00	45.38 -0.09 0.00	40.98 -0.16 0.00	35.23 -0.07 0.00	31.09 0.43 0.00
MORTIMER_115KV_TB3 55949	27.56 0.65 0.00	24.85 0.56 0.00	22.46 0.24 0.00	20.83 0.14 0.00	21.32 0.13 0.00	25.04 0.15 0.00	29.73 -0.42 0.00	32.69 -0.60 0.00	34.32 -0.49 0.00	33.45 0.00 0.00	34.98 -0.32 0.00	35.68 -0.14 0.00	36.05 -0.11 0.00	36.05 -0.25 0.00	35.63 -0.32 0.00	38.00 -0.19 0.00	40.48 0.00 0.00	42.76 -0.34 0.00	46.61 0.19 0.00	48.09 0.00 0.00	45.60 0.14 0.00	40.94 -0.21 0.00	35.48 0.18 0.00	31.09 0.43 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.63 1.48 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.42 1.97 0.00	37.38 2.08 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.67 2.48 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.12 3.03 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00
MUNSVILLE_WIND_PWR 323609	28.91 1.99 0.00	26.09 1.80 0.00	23.81 1.60 0.00	22.11 1.43 0.00	22.70 1.51 0.00	26.56 1.67 0.00	32.06 1.90 0.00	35.49 2.20 0.00	37.04 2.23 0.00	35.55 2.11 0.00	37.45 2.15 0.00	37.86 2.04 0.00	38.26 2.10 0.00	38.34 2.03 0.00	38.01 2.05 0.00	40.44 2.25 0.00	42.87 2.39 0.00	45.47 2.37 0.00	49.35 2.93 0.00	51.45 3.37 0.00	48.69 3.23 0.00	44.11 2.96 0.00	37.59 2.29 0.00	32.65 1.99 0.00
N SALMON___HYD 24042	26.81 -0.11 0.00	24.20 -0.10 0.00	22.13 -0.09 0.00	20.62 -0.06 0.00	21.15 -0.04 0.00	25.14 0.25 0.00	30.76 0.60 0.00	34.15 0.86 0.00	35.85 1.04 0.00	34.45 1.00 0.00	36.32 1.02 0.00	36.82 1.00 0.00	37.14 0.98 0.00	37.17 0.87 0.00	36.75 0.79 0.00	38.96 0.76 0.00	41.21 0.73 0.00	43.88 0.78 0.00	47.16 0.74 0.00	48.62 0.53 0.00	45.83 0.36 0.00	41.56 0.41 0.00	35.65 0.35 0.00	30.72 0.06 0.00
N.AKRON__115KV_KNAPP 355671	28.02 1.10 0.00	25.29 1.00 0.00	22.73 0.51 0.00	21.05 0.37 0.00	21.54 0.34 0.00	25.32 0.42 0.00	29.73 -0.42 0.00	32.62 -0.67 0.00	34.32 -0.49 0.00	33.58 0.13 0.00	34.91 -0.39 0.00	35.68 -0.14 0.00	36.09 -0.07 0.00	36.01 -0.29 0.00	35.42 -0.54 0.00	37.92 -0.27 0.00	40.52 0.04 0.00	42.59 -0.52 0.00	46.70 0.28 0.00	48.18 0.10 0.00	45.78 0.32 0.00	40.94 -0.21 0.00	35.76 0.46 0.00	31.40 0.74 0.00
N.E_GEN_SANDY PD 24062	27.91 1.00 0.00	25.29 1.00 0.00	23.28 1.07 0.00	21.74 1.05 0.00	22.26 1.06 0.00	25.77 0.87 0.00	31.00 0.84 0.00	34.71 1.23 -0.19	35.70 1.08 0.19	34.31 0.87 0.00	36.25 0.95 0.00	36.82 1.00 0.00	37.21 1.05 0.00	37.36 1.05 0.00	36.93 0.97 0.00	39.30 1.11 0.00	41.66 1.17 0.00	44.70 1.60 0.00	48.00 1.58 0.00	49.67 1.58 0.00	47.01 1.55 0.00	42.54 1.40 0.00	36.72 1.20 -0.22	31.57 1.14 0.22
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	28.45 1.53 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.11 1.22 0.00	31.45 1.30 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.09 1.64 0.00	37.06 1.76 0.00	37.65 1.83 0.00	38.04 1.88 0.00	38.30 2.00 0.00	38.04 2.09 0.00	40.33 2.14 0.00	42.79 2.31 0.00	45.69 2.59 0.00	49.07 2.65 0.00	50.88 2.79 0.00	48.06 2.59 0.00	43.45 2.30 0.00	37.14 1.84 0.00	32.28 1.62 0.00
N.QUEENS_27_KV_LOAD 356247	28.53 1.62 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.09 1.19 0.00	31.51 1.36 0.00	35.15 1.86 0.00	36.90 2.09 0.00	35.39 1.94 0.00	37.38 2.08 0.00	37.97 2.15 0.00	38.37 2.21 0.00	38.63 2.32 0.00	38.44 2.48 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.86 2.76 0.00	49.07 2.65 0.00	50.83 2.74 0.00	48.01 2.55 0.00	43.49 2.35 0.00	37.28 1.98 0.00	32.47 1.81 0.00
N.TROY___115KV_TB1 355778	27.91 1.00 0.00	25.29 1.00 0.00	23.19 0.98 0.00	21.61 0.93 0.00	22.13 0.93 0.00	25.72 0.82 0.00	31.00 0.84 0.00	34.36 1.07 0.00	35.85 1.04 0.00	34.25 0.80 0.00	36.25 0.95 0.00	36.75 0.93 0.00	37.10 0.94 0.00	37.32 1.02 0.00	36.96 1.01 0.00	39.22 1.03 0.00	41.53 1.05 0.00	44.44 1.34 0.00	47.77 1.35 0.00	49.58 1.49 0.00	46.88 1.41 0.00	42.50 1.36 0.00	36.43 1.13 0.00	31.73 1.07 0.00
NARROWS_GT1_1 24228	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT1_2 24229	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT1_3 24230	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT1_4 24231	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT1_5 24232	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01



NARROWS_GT1_6 24233	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT1_7 24234	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT1_8 24235	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT2_1 24236	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT2_2 24237	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT2_3 24238	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT2_4 24239	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT2_5 24240	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT2_6 24241	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT2_7 24242	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NARROWS_GT2_8 24243	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	27.97 1.05 0.00	25.29 1.00 0.00	23.17 0.96 0.00	21.55 0.87 0.00	22.07 0.87 0.00	25.74 0.85 0.00	31.00 0.84 0.00	34.22 0.93 0.00	35.68 0.87 0.00	34.08 0.64 0.00	35.93 0.64 0.00	36.43 0.61 0.00	36.74 0.58 0.00	36.96 0.65 0.00	36.71 0.76 0.00	38.96 0.76 0.00	41.33 0.85 0.00	44.31 1.21 0.00	47.77 1.35 0.00	49.68 1.59 0.00	47.01 1.55 0.00	42.54 1.40 0.00	36.43 1.13 0.00	31.70 1.04 0.00
NCHELSEA_115KV_TR2 355582	28.48 1.56 0.00	25.75 1.46 0.00	23.61 1.40 0.00	22.03 1.34 0.00	22.53 1.34 0.00	26.16 1.27 0.00	31.48 1.33 0.00	35.02 1.73 0.00	36.65 1.84 0.00	35.09 1.64 0.00	37.03 1.73 0.00	37.65 1.83 0.00	38.00 1.84 0.00	38.27 1.96 0.00	38.01 2.05 0.00	40.33 2.14 0.00	42.75 2.27 0.00	45.78 2.67 0.00	49.11 2.69 0.00	50.97 2.89 0.00	48.19 2.73 0.00	43.53 2.39 0.00	37.17 1.87 0.00	32.31 1.66 0.00
NEG CAPITAL___MECHNVIL 23645	28.42 1.51 0.00	25.65 1.36 0.00	23.52 1.31 0.00	21.88 1.20 0.00	22.43 1.23 0.00	26.09 1.19 0.00	31.45 1.30 0.00	34.82 1.53 0.00	36.38 1.57 0.00	34.82 1.37 0.00	36.82 1.52 0.00	37.36 1.54 0.00	37.46 1.30 0.00	37.61 1.31 0.00	37.29 1.33 0.00	39.80 1.60 0.00	42.10 1.62 0.00	45.00 1.89 0.00	48.37 1.95 0.00	50.20 2.11 0.00	47.51 2.05 0.00	43.00 1.85 0.00	36.82 1.52 0.00	32.25 1.59 0.00
NEG CENTRAL_HIGH_ACRES 23767	26.97 0.05 0.00	24.46 0.17 0.00	22.01 -0.20 0.00	20.44 -0.25 0.00	20.94 -0.25 0.00	24.55 -0.35 0.00	29.28 -0.88 0.00	32.22 -1.07 0.00	34.01 -0.80 0.00	32.95 -0.50 0.00	34.70 -0.60 0.00	35.28 -0.54 0.00	35.55 -0.61 0.00	35.91 -0.40 0.00	35.60 -0.36 0.00	37.54 -0.65 0.00	39.95 -0.53 0.00	42.16 -0.95 0.00	45.82 -0.60 0.00	47.65 -0.43 0.00	45.06 -0.41 0.00	40.53 -0.62 0.00	34.81 -0.49 0.00	30.57 -0.09 0.00



NEG CENTRAL___DRP 24199	27.51 0.59 0.00	24.80 0.51 0.00	22.55 0.33 0.00	20.95 0.27 0.00	21.47 0.28 0.00	25.19 0.30 0.00	30.25 0.09 0.00	33.26 -0.03 0.00	34.77 -0.03 0.00	33.68 0.23 0.00	35.40 0.11 0.00	36.00 0.18 0.00	36.34 0.18 0.00	36.45 0.15 0.00	36.03 0.07 0.00	38.42 0.23 0.00	40.81 0.32 0.00	43.23 0.13 0.00	46.93 0.51 0.00	48.57 0.48 0.00	46.01 0.55 0.00	41.43 0.29 0.00	35.65 0.35 0.00	31.06 0.40 0.00
NEG CENTRAL___INDECK 23768	28.45 1.53 0.00	25.85 1.56 0.00	23.17 0.95 0.00	21.47 0.79 0.00	22.00 0.81 0.00	25.84 0.95 0.00	30.64 0.48 0.00	33.62 0.33 0.00	35.26 0.45 0.00	34.01 0.57 0.00	35.58 0.28 0.00	36.14 0.32 0.00	36.45 0.29 0.00	36.85 0.55 0.00	36.53 0.57 0.00	38.57 0.38 0.00	39.88 -0.61 0.00	42.03 -1.08 0.00	46.33 -0.09 0.00	48.62 0.53 0.00	46.19 0.73 0.00	41.43 0.29 0.00	36.71 1.41 0.00	32.25 1.59 0.00
NEG CENTRAL___SENECA 23627	27.75 0.83 0.00	25.02 0.73 0.00	22.73 0.51 0.00	21.08 0.39 0.00	21.62 0.42 0.00	25.37 0.47 0.00	30.40 0.24 0.00	33.42 0.13 0.00	34.91 0.10 0.00	33.88 0.43 0.00	35.55 0.25 0.00	36.14 0.32 0.00	36.52 0.36 0.00	36.60 0.29 0.00	36.17 0.22 0.00	38.57 0.38 0.00	41.05 0.57 0.00	43.45 0.34 0.00	47.26 0.84 0.00	48.91 0.82 0.00	46.33 0.86 0.00	41.68 0.53 0.00	35.90 0.60 0.00	31.30 0.64 0.00
NEG CENTRAL___STATE_STREET 24147	27.37 0.46 0.00	24.68 0.39 0.00	22.48 0.27 0.00	20.89 0.21 0.00	21.43 0.23 0.00	25.12 0.22 0.00	30.25 0.09 0.00	33.22 -0.07 0.00	34.74 -0.07 0.00	33.61 0.17 0.00	35.40 0.11 0.00	35.96 0.14 0.00	36.34 0.18 0.00	36.45 0.15 0.00	36.06 0.11 0.00	38.42 0.23 0.00	40.81 0.32 0.00	43.28 0.17 0.00	46.84 0.42 0.00	48.52 0.43 0.00	45.97 0.50 0.00	41.43 0.29 0.00	35.58 0.28 0.00	31.00 0.34 0.00
NEG MILLWOOD___DRP 24198	28.59 1.67 0.00	25.82 1.53 0.00	23.72 1.51 0.00	22.13 1.45 0.00	22.66 1.46 0.00	26.29 1.39 0.00	31.63 1.48 0.00	35.19 1.90 0.00	36.83 2.02 0.00	35.22 1.77 0.00	37.24 1.94 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.52 2.21 0.00	38.26 2.30 0.00	40.60 2.41 0.00	43.07 2.59 0.00	46.08 2.97 0.00	49.35 2.92 0.00	51.17 3.08 0.00	48.47 3.00 0.00	43.78 2.63 0.00	37.31 2.01 0.00	32.47 1.81 0.00
NEG NORTH_FLCN_SEA 23793	26.84 -0.08 0.00	24.22 -0.07 0.00	22.15 -0.07 0.00	20.62 -0.06 0.00	21.18 -0.02 0.00	25.12 0.22 0.00	30.67 0.51 0.00	34.06 0.77 0.00	35.71 0.91 0.00	34.35 0.90 0.00	36.22 0.92 0.00	36.71 0.90 0.00	37.03 0.87 0.00	37.07 0.76 0.00	36.68 0.72 0.00	38.84 0.65 0.00	41.05 0.57 0.00	43.75 0.65 0.00	47.02 0.60 0.00	48.57 0.48 0.00	45.83 0.36 0.00	41.43 0.29 0.00	35.51 0.21 0.00	30.63 -0.03 0.00
NEG NORTH_KES_CHATEGAY 23792	26.54 -0.38 0.00	23.93 -0.36 0.00	21.90 -0.31 0.00	20.39 -0.29 0.00	20.92 -0.28 0.00	24.85 -0.05 0.00	30.37 0.21 0.00	33.69 0.40 0.00	35.30 0.49 0.00	33.95 0.50 0.00	35.79 0.49 0.00	36.25 0.43 0.00	36.56 0.40 0.00	36.63 0.33 0.00	36.21 0.25 0.00	38.34 0.15 0.00	40.56 0.08 0.00	43.23 0.13 0.00	46.51 0.09 0.00	48.09 0.00 0.00	45.38 -0.09 0.00	41.02 -0.12 0.00	35.16 -0.14 0.00	30.32 -0.34 0.00
NEG NORTH___ALICE_FALLS 23915	26.86 -0.05 0.00	24.27 -0.02 0.00	22.19 -0.02 0.00	20.66 -0.02 0.00	21.20 0.00 0.00	25.17 0.27 0.00	30.73 0.57 0.00	34.16 0.87 0.00	35.82 1.01 0.00	34.42 0.97 0.00	36.29 0.99 0.00	36.79 0.97 0.00	37.10 0.94 0.00	37.14 0.84 0.00	36.71 0.76 0.00	38.92 0.73 0.00	41.17 0.69 0.00	43.88 0.78 0.00	47.16 0.74 0.00	48.71 0.63 0.00	45.92 0.45 0.00	41.56 0.41 0.00	35.58 0.28 0.00	30.69 0.03 0.00
NEG NORTH___LWR_SARANAC 23913	26.86 -0.05 0.00	24.27 -0.02 0.00	22.19 -0.02 0.00	20.66 -0.02 0.00	21.20 0.00 0.00	25.17 0.27 0.00	30.73 0.57 0.00	34.16 0.87 0.00	35.82 1.01 0.00	34.42 0.97 0.00	36.29 0.99 0.00	36.79 0.97 0.00	37.10 0.94 0.00	37.14 0.84 0.00	36.71 0.76 0.00	38.92 0.73 0.00	41.17 0.69 0.00	43.88 0.78 0.00	47.16 0.74 0.00	48.71 0.63 0.00	45.92 0.45 0.00	41.56 0.41 0.00	35.58 0.28 0.00	30.69 0.03 0.00
NEG NORTH___PLATTSBURG 23628	26.86 -0.05 0.00	24.27 -0.02 0.00	22.19 -0.02 0.00	20.66 -0.02 0.00	21.20 0.00 0.00	25.17 0.27 0.00	30.73 0.57 0.00	34.12 0.83 0.00	35.85 1.04 0.00	34.42 0.97 0.00	36.29 0.99 0.00	36.79 0.97 0.00	37.10 0.94 0.00	37.14 0.84 0.00	36.71 0.76 0.00	38.92 0.72 0.00	41.17 0.69 0.00	43.88 0.78 0.00	47.26 0.84 0.00	48.71 0.62 0.00	45.92 0.45 0.00	41.56 0.41 0.00	35.58 0.28 0.00	30.72 0.06 0.00
NEG WEST_LEA_LOCKPORT 23791	27.48 0.57 0.00	24.83 0.53 0.00	22.30 0.09 0.00	20.66 -0.02 0.00	21.11 -0.08 0.00	24.87 -0.02 0.00	29.19 -0.97 0.00	31.86 -1.43 0.00	33.49 -1.32 0.00	32.84 -0.60 0.00	34.03 -1.27 0.00	34.82 -1.00 0.00	35.26 -0.90 0.00	35.18 -1.13 0.00	34.55 -1.40 0.00	37.01 -1.18 0.00	39.51 -0.97 0.00	41.47 -1.64 0.00	45.45 -0.97 0.00	46.89 -1.20 0.00	44.56 -0.91 0.00	39.91 -1.23 0.00	34.88 -0.42 0.00	30.72 0.06 0.00
NEG WEST___LANCASTR 23811	27.32 0.40 0.00	24.63 0.34 0.00	22.17 -0.04 0.00	20.56 -0.12 0.00	21.01 -0.19 0.00	24.72 -0.17 0.00	29.25 -0.90 0.00	31.79 -1.50 0.00	33.28 -1.53 0.00	32.61 -0.84 0.00	33.92 -1.38 0.00	34.64 -1.18 0.00	35.08 -1.08 0.00	35.11 -1.20 0.00	34.59 -1.37 0.00	37.08 -1.11 0.00	39.59 -0.89 0.00	41.51 -1.59 0.00	45.49 -0.93 0.00	47.13 -0.96 0.00	44.60 -0.86 0.00	39.91 -1.23 0.00	34.77 -0.53 0.00	30.48 -0.18 0.00
NEG_PENN_ALLEGHNY 23528	27.56 0.64 0.00	24.92 0.63 0.00	22.68 0.47 0.00	21.07 0.39 0.00	21.60 0.40 0.00	25.27 0.37 0.00	30.40 0.24 0.00	33.46 0.17 0.00	34.98 0.17 0.00	33.75 0.30 0.00	35.55 0.25 0.00	36.10 0.29 0.00	36.45 0.29 0.00	36.71 0.40 0.00	36.32 0.36 0.00	38.57 0.38 0.00	40.97 0.49 0.00	43.36 0.26 0.00	46.93 0.51 0.00	48.81 0.72 0.00	46.06 0.59 0.00	41.68 0.53 0.00	35.73 0.43 0.00	31.18 0.52 0.00
NEG___GEN_MONROE 24207	27.70 0.78 0.00	24.97 0.68 0.00	22.55 0.33 0.00	20.91 0.23 0.00	21.39 0.19 0.00	25.14 0.25 0.00	29.83 -0.33 0.00	32.76 -0.53 0.00	34.39 -0.42 0.00	33.51 0.07 0.00	35.02 -0.28 0.00	35.75 -0.07 0.00	36.09 -0.07 0.00	36.12 -0.18 0.00	35.67 -0.29 0.00	38.12 -0.08 0.00	40.56 0.08 0.00	42.80 -0.30 0.00	46.75 0.32 0.00	48.33 0.24 0.00	45.88 0.41 0.00	41.14 0.00 0.00	35.72 0.42 0.00	31.36 0.71 0.00
NEPA___ENERGY 23901	27.27 0.35 0.00	24.61 0.32 0.00	22.19 -0.02 0.00	20.60 -0.08 0.00	21.07 -0.13 0.00	24.75 -0.15 0.00	29.37 -0.78 0.00	31.96 -1.33 0.00	33.35 -1.46 0.00	32.54 -0.90 0.00	33.89 -1.41 0.00	34.57 -1.25 0.00	34.97 -1.19 0.00	35.03 -1.27 0.00	34.59 -1.37 0.00	36.97 -1.22 0.00	39.43 -1.05 0.00	41.47 -1.64 0.00	45.35 -1.07 0.00	47.13 -0.96 0.00	44.51 -0.95 0.00	39.95 -1.19 0.00	34.66 -0.64 0.00	30.38 -0.28 0.00



NEVERSINK___HYD 23608	28.40 1.48 0.00	25.60 1.31 0.00	23.50 1.29 0.00	21.90 1.22 0.00	22.43 1.23 0.00	26.04 1.15 0.00	31.39 1.24 0.00	34.92 1.63 0.00	36.41 1.60 0.00	34.99 1.54 0.00	36.82 1.52 0.00	37.47 1.65 0.00	37.90 1.74 0.00	38.01 1.71 0.00	37.72 1.76 0.00	40.18 1.98 0.00	42.67 2.18 0.00	45.65 2.54 0.00	49.07 2.64 0.00	50.88 2.79 0.00	48.10 2.64 0.00	43.45 2.30 0.00	37.20 1.90 0.00	32.28 1.62 0.00
NEWKRMKL_115KV_TB1 55635	27.46 0.54 0.00	24.88 0.58 0.00	22.81 0.60 0.00	21.24 0.56 0.00	21.75 0.55 0.00	25.32 0.42 0.00	30.49 0.33 0.00	33.76 0.47 0.00	35.23 0.42 0.00	33.75 0.30 0.00	35.69 0.39 0.00	36.21 0.39 0.00	36.56 0.40 0.00	36.74 0.44 0.00	36.50 0.54 0.00	38.69 0.50 0.00	40.97 0.49 0.00	43.75 0.65 0.00	47.02 0.60 0.00	48.76 0.67 0.00	46.10 0.64 0.00	41.80 0.66 0.00	35.83 0.53 0.00	31.18 0.52 0.00
NEWTON___FALLS_HYD 23847	27.11 0.19 0.00	24.44 0.15 0.00	22.35 0.13 0.00	20.79 0.10 0.00	21.35 0.15 0.00	25.17 0.27 0.00	30.64 0.48 0.00	33.99 0.70 0.00	35.47 0.66 0.00	34.01 0.57 0.00	35.97 0.67 0.00	36.28 0.47 0.00	36.59 0.43 0.00	36.63 0.33 0.00	36.24 0.29 0.00	38.46 0.27 0.00	40.77 0.28 0.00	43.28 0.17 0.00	46.51 0.09 0.00	48.28 0.19 0.00	45.65 0.18 0.00	41.56 0.41 0.00	35.72 0.42 0.00	30.81 0.15 0.00
NGRID_A1_DSASP 323792	26.89 -0.03 0.00	24.61 0.31 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.63 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	33.07 -1.74 0.00	32.14 -1.30 0.00	33.57 -1.73 0.00	34.17 -1.65 0.00	34.50 -1.66 0.00	35.11 -1.20 0.00	34.73 -1.22 0.00	36.28 -1.91 0.00	38.82 -1.66 0.00	40.47 -2.63 0.00	44.38 -2.04 0.00	46.31 -1.78 0.00	43.69 -1.77 0.00	39.50 -1.65 0.00	34.10 -1.20 0.00	30.41 -0.25 0.00
NGRID_A2_DSASP 323793	26.89 -0.03 0.00	24.61 0.31 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.63 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	33.07 -1.74 0.00	32.14 -1.30 0.00	33.57 -1.73 0.00	34.17 -1.65 0.00	34.50 -1.66 0.00	35.11 -1.20 0.00	34.73 -1.22 0.00	36.28 -1.91 0.00	38.82 -1.66 0.00	40.47 -2.63 0.00	44.38 -2.04 0.00	46.31 -1.78 0.00	43.69 -1.77 0.00	39.50 -1.65 0.00	34.10 -1.20 0.00	30.41 -0.25 0.00
NGRID_A4_DSASP 323807	26.89 -0.03 0.00	24.61 0.31 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.63 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	33.07 -1.74 0.00	32.14 -1.30 0.00	33.57 -1.73 0.00	34.17 -1.65 0.00	34.50 -1.66 0.00	35.11 -1.20 0.00	34.73 -1.22 0.00	36.28 -1.91 0.00	38.82 -1.66 0.00	40.47 -2.63 0.00	44.38 -2.04 0.00	46.31 -1.78 0.00	43.69 -1.77 0.00	39.50 -1.65 0.00	34.10 -1.20 0.00	30.41 -0.25 0.00
NIAGARA_115E_LBMP 323715	27.21 0.30 0.00	24.95 0.66 0.00	22.10 -0.11 0.00	20.48 -0.21 0.00	20.92 -0.28 0.00	24.65 -0.25 0.00	28.86 -1.30 0.00	31.29 -2.00 0.00	33.28 -1.53 0.00	32.34 -1.10 0.00	33.78 -1.52 0.00	34.39 -1.43 0.00	34.71 -1.45 0.00	35.33 -0.98 0.00	35.02 -0.94 0.00	36.62 -1.57 0.00	39.19 -1.30 0.00	40.86 -2.24 0.00	44.84 -1.58 0.00	46.79 -1.30 0.00	44.15 -1.32 0.00	39.87 -1.28 0.00	34.42 -0.88 0.00	30.66 0.00 0.00
NIAGARA_115W_LBMP 323714	26.84 -0.08 0.00	24.54 0.24 0.00	21.73 -0.49 0.00	20.13 -0.56 0.00	20.58 -0.62 0.00	24.25 -0.65 0.00	28.56 -1.60 0.00	30.99 -2.30 0.00	32.96 -1.85 0.00	32.04 -1.40 0.00	33.46 -1.84 0.00	34.06 -1.75 0.00	34.39 -1.77 0.00	35.00 -1.31 0.00	34.63 -1.33 0.00	36.20 -1.99 0.00	38.70 -1.78 0.00	40.34 -2.76 0.00	44.29 -2.13 0.00	46.16 -1.93 0.00	43.56 -1.91 0.00	39.38 -1.77 0.00	33.99 -1.31 0.00	30.32 -0.34 0.00
NIAGARA_230_LBMP 323716	27.19 0.27 0.00	24.87 0.58 0.00	22.04 -0.18 0.00	20.44 -0.25 0.00	20.88 -0.32 0.00	24.60 -0.30 0.00	28.98 -1.18 0.00	31.46 -1.83 0.00	33.42 -1.39 0.00	32.48 -0.97 0.00	33.92 -1.38 0.00	34.53 -1.29 0.00	34.82 -1.34 0.00	35.47 -0.83 0.00	35.09 -0.86 0.00	36.70 -1.49 0.00	39.23 -1.26 0.00	40.95 -2.15 0.00	44.93 -1.49 0.00	46.89 -1.20 0.00	44.19 -1.27 0.00	39.95 -1.19 0.00	34.49 -0.81 0.00	30.72 0.06 0.00
NIAGARA___115KV_198_GIBSON 55903	26.84 -0.08 0.00	24.20 -0.10 0.00	21.73 -0.49 0.00	20.12 -0.56 0.00	20.58 -0.61 0.00	24.25 -0.65 0.00	28.56 -1.60 0.00	30.99 -2.30 0.00	32.55 -2.26 0.00	31.97 -1.47 0.00	33.08 -2.22 0.00	33.85 -1.97 0.00	34.28 -1.88 0.00	34.20 -2.11 0.00	33.66 -2.30 0.00	36.05 -2.14 0.00	38.46 -2.02 0.00	40.35 -2.76 0.00	44.19 -2.23 0.00	45.59 -2.50 0.00	43.33 -2.14 0.00	38.84 -2.30 0.00	33.99 -1.31 0.00	29.98 -0.67 0.00
NIAGARA____ 23760	27.19 0.27 0.00	24.87 0.58 0.00	22.04 -0.18 0.00	20.44 -0.25 0.00	20.88 -0.32 0.00	24.60 -0.30 0.00	28.98 -1.18 0.00	31.46 -1.83 0.00	33.42 -1.39 0.00	32.48 -0.97 0.00	33.92 -1.38 0.00	34.53 -1.29 0.00	34.82 -1.34 0.00	35.47 -0.83 0.00	35.09 -0.86 0.00	36.70 -1.49 0.00	39.23 -1.26 0.00	40.95 -2.15 0.00	44.93 -1.49 0.00	46.89 -1.20 0.00	44.19 -1.27 0.00	39.95 -1.19 0.00	34.49 -0.81 0.00	30.72 0.06 0.00
NINE_MILE_1 23575	26.46 -0.46 0.00	23.90 -0.39 0.00	21.79 -0.42 0.00	20.27 -0.41 0.00	20.77 -0.42 0.00	24.35 -0.55 0.00	29.37 -0.78 0.00	32.22 -1.07 0.00	33.73 -1.08 0.00	32.48 -0.97 0.00	34.27 -1.02 0.00	34.78 -1.04 0.00	35.11 -1.05 0.00	35.29 -1.02 0.00	34.95 -1.01 0.00	37.08 -1.11 0.00	39.35 -1.13 0.00	41.81 -1.29 0.00	45.12 -1.30 0.00	46.79 -1.30 0.00	44.24 -1.23 0.00	39.99 -1.15 0.00	34.31 -0.99 0.00	29.96 -0.70 0.00
NINE_MILE_2 23744	26.46 -0.46 0.00	23.90 -0.39 0.00	21.79 -0.42 0.00	20.27 -0.41 0.00	20.77 -0.42 0.00	24.35 -0.55 0.00	29.37 -0.78 0.00	32.22 -1.07 0.00	33.73 -1.08 0.00	32.48 -0.97 0.00	34.27 -1.02 0.00	34.78 -1.04 0.00	35.11 -1.05 0.00	35.29 -1.02 0.00	34.95 -1.01 0.00	37.08 -1.11 0.00	39.35 -1.13 0.00	41.81 -1.29 0.00	45.12 -1.30 0.00	46.79 -1.30 0.00	44.24 -1.23 0.00	39.99 -1.15 0.00	34.31 -0.99 0.00	29.96 -0.70 0.00
NM_CAPITAL___DRP 24208	27.51 0.59 0.00	24.92 0.63 0.00	22.86 0.64 0.00	21.30 0.62 0.00	21.81 0.61 0.00	25.37 0.47 0.00	30.55 0.39 0.00	33.82 0.53 0.00	35.30 0.49 0.00	33.81 0.37 0.00	35.76 0.46 0.00	36.25 0.43 0.00	36.59 0.43 0.00	36.81 0.51 0.00	36.57 0.61 0.00	38.73 0.53 0.00	41.05 0.57 0.00	43.84 0.73 0.00	47.12 0.70 0.00	48.86 0.77 0.00	46.19 0.73 0.00	41.88 0.74 0.00	35.90 0.60 0.00	31.24 0.58 0.00
NM_CENTRAL___DRP 24181	27.02 0.11 0.00	24.39 0.10 0.00	22.24 0.02 0.00	20.68 0.00 0.00	21.20 0.00 0.00	24.85 -0.05 0.00	29.92 -0.24 0.00	32.89 -0.40 0.00	34.43 -0.38 0.00	33.21 -0.23 0.00	35.02 -0.28 0.00	35.57 -0.25 0.00	35.94 -0.22 0.00	36.05 -0.25 0.00	35.67 -0.29 0.00	37.96 -0.23 0.00	40.28 -0.20 0.00	42.72 -0.39 0.00	46.14 -0.28 0.00	47.80 -0.29 0.00	45.24 -0.23 0.00	40.86 -0.29 0.00	35.09 -0.21 0.00	30.60 -0.06 0.00



NM_FRONTIER___DRP 24179	26.84 -0.08 0.00	24.20 -0.10 0.00	21.73 -0.49 0.00	20.12 -0.56 0.00	20.58 -0.61 0.00	24.25 -0.65 0.00	28.56 -1.60 0.00	30.99 -2.30 0.00	32.55 -2.26 0.00	31.97 -1.47 0.00	33.08 -2.22 0.00	33.85 -1.97 0.00	34.28 -1.88 0.00	34.20 -2.11 0.00	33.66 -2.30 0.00	36.05 -2.14 0.00	38.46 -2.02 0.00	40.35 -2.76 0.00	44.19 -2.23 0.00	45.59 -2.50 0.00	43.33 -2.14 0.00	38.84 -2.30 0.00	33.99 -1.31 0.00	29.98 -0.67 0.00
NM_ST_REGIS___HYD 24053	26.78 -0.13 0.00	24.17 -0.12 0.00	22.13 -0.09 0.00	20.58 -0.10 0.00	21.13 -0.06 0.00	25.09 0.20 0.00	30.73 0.57 0.00	34.12 0.83 0.00	35.71 0.91 0.00	34.28 0.84 0.00	36.18 0.88 0.00	36.64 0.82 0.00	36.96 0.80 0.00	36.99 0.69 0.00	36.60 0.65 0.00	38.80 0.61 0.00	41.01 0.53 0.00	43.54 0.43 0.00	46.56 0.14 0.00	48.14 0.05 0.00	45.47 0.00 0.00	41.39 0.25 0.00	35.65 0.35 0.00	30.69 0.03 0.00
NORTHPORT___1 23551	29.29 2.37 -0.01	26.34 2.04 -0.01	24.40 2.18 -0.01	22.76 2.07 -0.01	23.37 2.16 -0.01	26.71 1.82 0.00	32.09 1.93 0.00	35.82 2.53 0.00	36.65 1.84 0.00	35.52 2.07 0.00	37.52 2.23 0.00	38.22 2.40 0.00	38.69 2.53 0.00	38.93 2.62 -0.01	38.70 2.73 0.00	40.94 2.75 0.00	43.69 3.20 -0.01	46.65 3.54 -0.01	50.19 3.76 -0.01	51.50 3.41 0.00	48.89 3.41 -0.01	44.48 3.33 -0.01	38.12 2.83 0.00	33.33 2.67 -0.01
NORTHPORT___2 23552	29.29 2.37 -0.01	26.34 2.04 -0.01	24.40 2.18 -0.01	22.76 2.07 -0.01	23.37 2.16 -0.01	26.71 1.82 0.00	32.09 1.93 0.00	35.82 2.53 0.00	36.65 1.84 0.00	35.52 2.07 0.00	37.52 2.23 0.00	38.22 2.40 0.00	38.69 2.53 0.00	38.93 2.62 -0.01	38.70 2.73 0.00	40.94 2.75 0.00	43.69 3.20 -0.01	46.65 3.54 -0.01	50.19 3.76 -0.01	51.50 3.41 0.00	48.89 3.41 -0.01	44.48 3.33 -0.01	38.12 2.83 0.00	33.33 2.67 -0.01
NORTHPORT___3 23553	29.03 2.10 -0.01	26.07 1.77 -0.01	24.09 1.87 -0.01	22.49 1.80 -0.01	23.03 1.82 -0.01	26.44 1.54 0.00	31.78 1.63 0.00	35.25 1.96 0.00	36.06 1.25 0.00	35.12 1.67 0.00	36.85 1.55 0.00	37.57 1.75 0.00	38.00 1.84 0.00	38.20 1.89 -0.01	38.01 2.05 -0.01	40.21 2.02 0.00	42.92 2.43 -0.01	45.83 2.72 -0.01	49.21 2.79 0.00	50.54 2.45 0.00	47.93 2.45 -0.01	43.58 2.43 -0.01	37.38 2.08 0.00	33.03 2.36 -0.01
NORTHPORT___4 23650	29.03 2.10 -0.01	26.07 1.77 -0.01	24.09 1.87 -0.01	22.49 1.80 -0.01	23.03 1.82 -0.01	26.44 1.54 0.00	31.78 1.63 0.00	35.25 1.96 0.00	36.06 1.25 0.00	35.12 1.67 0.00	36.85 1.55 0.00	37.57 1.75 0.00	38.00 1.84 0.00	38.20 1.89 -0.01	38.01 2.05 -0.01	40.21 2.02 0.00	42.92 2.43 -0.01	45.83 2.72 -0.01	49.21 2.79 0.00	50.54 2.45 0.00	47.93 2.45 -0.01	43.58 2.43 -0.01	37.38 2.08 0.00	33.03 2.36 -0.01
NORTHPORT___IC 23718	29.29 2.37 0.00	26.60 2.31 0.00	24.39 2.18 0.00	22.75 2.07 0.00	23.36 2.16 0.00	26.71 1.82 0.00	32.09 1.93 0.00	35.82 2.53 0.00	37.28 2.47 0.00	35.75 2.31 0.00	37.98 2.68 0.00	38.58 2.76 0.00	38.94 2.78 0.00	39.32 3.01 0.00	39.08 3.13 0.00	41.32 3.13 0.00	44.04 3.56 0.00	47.03 3.92 0.00	50.51 4.09 0.00	52.42 4.33 0.00	49.51 4.05 0.00	44.81 3.66 0.00	38.05 2.75 0.00	33.30 2.64 0.00
NORTH___COUNTRY_ESR 323785	26.49 -0.43 0.00	23.88 -0.41 0.00	21.86 -0.36 0.00	20.35 -0.33 0.00	20.88 -0.32 0.00	24.80 -0.10 0.00	30.31 0.15 0.00	33.62 0.33 0.00	35.30 0.49 0.00	33.91 0.47 0.00	35.76 0.46 0.00	36.25 0.43 0.00	36.52 0.36 0.00	36.59 0.29 0.00	36.17 0.22 0.00	38.35 0.15 0.00	40.52 0.04 0.00	43.19 0.09 0.00	46.47 0.05 0.00	47.94 -0.14 0.00	45.24 -0.23 0.00	40.90 -0.25 0.00	35.09 -0.21 0.00	30.23 -0.43 0.00
NPX_GEN_1385_PROXY 323591	28.95 2.02 -0.01	26.20 1.90 -0.01	24.40 2.18 -0.01	22.76 2.07 -0.01	23.37 2.16 -0.01	26.71 1.82 0.00	32.09 1.93 0.00	36.01 2.53 -0.19	36.39 1.77 0.19	35.25 1.80 0.00	37.17 1.87 0.00	37.90 2.08 0.00	38.33 2.17 0.00	38.56 2.25 -0.01	38.34 2.37 -0.01	40.56 2.37 0.00	43.20 2.71 -0.01	46.26 3.14 -0.01	49.86 3.44 -0.01	51.36 3.27 0.00	48.75 3.28 -0.01	44.36 3.21 -0.01	38.03 2.51 -0.22	32.84 2.39 0.21
NPX_GEN_CSC 323557	29.40 2.47 -0.01	26.39 2.09 -0.01	24.60 2.38 -0.01	22.95 2.25 -0.01	23.68 2.48 -0.01	26.59 1.69 0.00	31.75 1.60 0.00	35.74 2.26 -0.19	36.05 1.43 0.19	35.15 1.70 0.00	37.24 1.94 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.71 2.40 -0.01	38.52 2.55 -0.01	40.71 2.52 0.00	43.57 3.08 -0.01	46.48 3.36 -0.01	50.00 3.57 -0.01	51.17 3.08 0.00	48.57 3.09 -0.01	44.28 3.13 -0.01	38.20 2.68 -0.22	32.99 2.54 0.21
NSINS_S_GLNS_FALLS 23858	28.77 1.86 0.00	26.04 1.75 0.00	23.81 1.60 0.00	22.13 1.45 0.00	22.70 1.50 0.00	26.31 1.42 0.00	31.72 1.57 0.00	35.09 1.80 0.00	36.69 1.88 0.00	35.05 1.61 0.00	37.17 1.87 0.00	37.68 1.86 0.00	37.93 1.77 0.00	38.12 1.82 0.00	37.14 1.19 0.00	39.41 1.22 0.00	41.74 1.25 0.00	44.57 1.47 0.00	47.91 1.49 0.00	49.87 1.78 0.00	47.15 1.68 0.00	42.79 1.65 0.00	37.28 1.98 0.00	32.62 1.96 0.00
NUCOR_STEEL___DRP 24197	27.40 0.48 0.00	24.73 0.44 0.00	22.53 0.31 0.00	20.93 0.25 0.00	21.47 0.28 0.00	25.14 0.25 0.00	30.28 0.12 0.00	33.26 -0.03 0.00	34.77 -0.03 0.00	33.61 0.17 0.00	35.40 0.11 0.00	35.96 0.14 0.00	36.31 0.14 0.00	36.41 0.11 0.00	36.03 0.07 0.00	38.38 0.19 0.00	40.72 0.24 0.00	43.23 0.13 0.00	46.75 0.32 0.00	48.43 0.34 0.00	45.88 0.41 0.00	41.39 0.25 0.00	35.55 0.25 0.00	31.00 0.34 0.00
NUMBER_THREE_WT_PWR 323818	27.46 0.54 0.00	24.75 0.46 0.00	22.64 0.42 0.00	21.03 0.35 0.00	21.60 0.40 0.00	25.37 0.47 0.00	30.76 0.60 0.00	34.06 0.77 0.00	35.50 0.70 0.00	34.01 0.57 0.00	35.94 0.64 0.00	36.10 0.29 0.00	36.38 0.22 0.00	36.45 0.15 0.00	36.06 0.11 0.00	38.35 0.15 0.00	40.64 0.16 0.00	43.28 0.17 0.00	46.75 0.33 0.00	48.62 0.53 0.00	46.06 0.59 0.00	41.80 0.66 0.00	35.79 0.49 0.00	30.93 0.28 0.00
NYISO_LBMP_REFERENCE 24008	26.92 0.00 0.00	24.29 0.00 0.00	22.21 0.00 0.00	20.68 0.00 0.00	21.20 0.00 0.00	24.89 0.00 0.00	30.16 0.00 0.00	33.29 0.00 0.00	34.81 0.00 0.00	33.45 0.00 0.00	35.30 0.00 0.00	35.82 0.00 0.00	36.16 0.00 0.00	36.31 0.00 0.00	35.96 0.00 0.00	38.19 0.00 0.00	40.48 0.00 0.00	43.10 0.00 0.00	46.42 0.00 0.00	48.09 0.00 0.00	45.47 0.00 0.00	41.14 0.00 0.00	35.30 0.00 0.00	30.66 0.00 0.00
NYPA_BRENTWD____GT 24164	29.62 2.69 -0.01	26.61 2.31 -0.01	24.62 2.40 -0.01	22.97 2.28 -0.01	23.58 2.37 -0.01	26.94 2.04 0.00	32.36 2.20 0.00	36.15 2.86 0.00	36.97 2.16 0.00	35.86 2.41 0.00	37.91 2.61 0.00	38.62 2.80 0.00	39.09 2.93 0.00	39.32 3.01 -0.01	39.13 3.16 -0.01	41.36 3.17 0.00	44.21 3.72 -0.01	47.16 4.05 -0.01	50.79 4.36 -0.01	52.08 3.99 0.00	49.43 3.95 -0.01	45.02 3.87 -0.01	38.55 3.25 0.00	33.70 3.04 -0.01



NYPYA_GOWANUS____GT5 24156	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NYPYA_GOWANUS____GT6 24157	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	36.93 2.12 0.00	35.55 2.11 0.00	37.49 2.19 0.00	38.15 2.33 0.00	38.65 2.49 0.00	38.74 2.43 0.00	38.52 2.55 -0.01	40.81 2.60 -0.02	43.23 2.71 -0.04	46.13 2.97 -0.06	49.34 2.88 -0.04	51.09 2.98 -0.02	48.39 2.91 -0.01	43.79 2.64 -0.01	37.74 2.43 -0.01	32.81 2.15 -0.01
NYPYA_HARLEM__RVR__GT1 24160	28.50 1.59 0.00	25.62 1.34 0.01	23.56 1.36 0.01	22.02 1.34 0.01	22.53 1.34 0.01	26.06 1.17 0.01	31.44 1.30 0.01	35.11 1.83 0.01	36.68 1.88 0.01	35.28 1.84 0.01	37.20 1.90 0.01	37.82 2.00 0.01	38.32 2.17 0.01	38.40 2.10 0.01	38.14 2.19 0.01	40.44 2.25 0.01	42.86 2.39 0.01	45.73 2.63 0.01	48.87 2.46 0.01	50.48 2.40 0.01	47.82 2.36 0.01	43.23 2.10 0.01	37.30 2.01 0.01	32.47 1.81 0.00
NYPYA_HARLEM__RVR__GT2 24161	28.50 1.59 0.00	25.62 1.34 0.01	23.56 1.36 0.01	22.02 1.34 0.01	22.53 1.34 0.01	26.06 1.17 0.01	31.44 1.30 0.01	35.11 1.83 0.01	36.68 1.88 0.01	35.28 1.84 0.01	37.20 1.90 0.01	37.82 2.00 0.01	38.32 2.17 0.01	38.40 2.10 0.01	38.14 2.19 0.01	40.44 2.25 0.01	42.86 2.39 0.01	45.73 2.63 0.01	48.87 2.46 0.01	50.48 2.40 0.01	47.82 2.36 0.01	43.23 2.10 0.01	37.30 2.01 0.01	32.47 1.81 0.00
NYPYA_KENT____GT 24152	28.73 1.80 0.00	25.85 1.56 0.00	23.77 1.55 0.00	22.19 1.51 0.00	22.72 1.53 0.00	26.26 1.37 0.00	31.69 1.54 0.00	35.35 2.06 0.00	36.90 2.09 0.00	35.52 2.07 0.00	37.42 2.12 0.00	38.08 2.26 0.00	38.58 2.42 0.00	38.66 2.36 0.00	38.41 2.45 0.00	40.76 2.56 -0.01	43.17 2.67 -0.02	46.07 2.93 -0.03	49.27 2.83 -0.02	50.99 2.89 -0.01	48.29 2.82 -0.01	43.66 2.51 0.00	37.63 2.33 0.00	32.72 2.05 0.00
NYPYA_POUCH1____GT 24155	28.81 1.88 -0.01	25.92 1.63 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.74 1.55 0.00	26.26 1.37 0.00	31.69 1.54 0.00	35.35 2.06 0.00	36.86 2.05 0.00	35.49 2.04 0.00	37.42 2.12 0.00	38.08 2.26 0.00	38.58 2.42 0.00	38.70 2.40 0.00	38.48 2.52 -0.01	40.73 2.52 -0.02	43.11 2.59 -0.04	45.87 2.72 -0.05	49.15 2.69 -0.04	51.00 2.89 -0.02	48.35 2.87 -0.01	43.75 2.59 -0.01	37.71 2.40 -0.01	32.78 2.11 -0.01
NYPYA_VERNON____GT2 24162	28.64 1.72 0.00	25.80 1.51 0.00	23.73 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.90 2.09 0.00	35.49 2.04 0.00	37.38 2.08 0.00	38.04 2.22 0.00	38.51 2.35 0.00	38.59 2.29 0.00	38.33 2.37 0.00	40.68 2.48 0.00	43.08 2.59 -0.01	46.00 2.89 -0.01	49.21 2.79 -0.01	50.88 2.79 0.00	48.15 2.68 0.00	43.53 2.39 0.00	37.53 2.23 0.00	32.62 1.96 0.00
NYPYA_VERNON____GT3 24163	28.64 1.72 0.00	25.80 1.51 0.00	23.73 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	36.90 2.09 0.00	35.49 2.04 0.00	37.38 2.08 0.00	38.04 2.22 0.00	38.51 2.35 0.00	38.59 2.29 0.00	38.33 2.37 0.00	40.68 2.48 0.00	43.08 2.59 -0.01	46.00 2.89 -0.01	49.21 2.79 -0.01	50.88 2.79 0.00	48.15 2.68 0.00	43.53 2.39 0.00	37.53 2.23 0.00	32.62 1.96 0.00
NYPYA__ASTORIA_CC1 323568	28.59 1.67 0.00	25.75 1.46 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.79 1.98 0.00	35.39 1.94 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.26 2.30 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.90 2.80 0.00	49.07 2.64 0.00	50.73 2.64 0.00	48.01 2.54 0.00	43.41 2.26 0.00	37.45 2.15 0.00	32.56 1.90 0.00
NYPYA__ASTORIA_CC2 323569	28.59 1.67 0.00	25.75 1.46 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.19 1.29 0.00	31.57 1.42 0.00	35.25 1.96 0.00	36.79 1.98 0.00	35.39 1.94 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.26 2.30 0.00	40.60 2.41 0.00	42.99 2.51 0.00	45.90 2.80 0.00	49.07 2.64 0.00	50.73 2.64 0.00	48.01 2.54 0.00	43.41 2.26 0.00	37.45 2.15 0.00	32.56 1.90 0.00
NYPYA__HOLTSVILL 23794	29.45 2.53 -0.01	26.44 2.14 -0.01	24.53 2.31 -0.01	22.88 2.19 -0.01	23.52 2.31 -0.01	26.74 1.84 0.00	32.06 1.90 0.00	35.85 2.56 0.00	36.55 1.74 0.00	35.45 2.01 0.00	37.49 2.19 0.00	38.22 2.40 0.00	38.73 2.57 0.00	38.96 2.65 -0.01	38.77 2.81 -0.01	40.98 2.79 0.00	43.81 3.32 -0.01	46.73 3.62 -0.01	50.28 3.85 -0.01	51.50 3.41 0.00	48.89 3.41 -0.01	44.53 3.37 -0.01	38.27 2.97 0.00	33.46 2.79 -0.01
NYPYA____HELLGATE_GT1 24158	28.50 1.59 0.00	25.62 1.34 0.01	23.56 1.36 0.01	22.02 1.34 0.01	22.53 1.34 0.01	26.06 1.17 0.01	31.44 1.30 0.01	35.11 1.83 0.01	36.68 1.88 0.01	35.28 1.84 0.01	37.20 1.90 0.01	37.82 2.00 0.01	38.32 2.17 0.01	38.40 2.10 0.01	38.14 2.19 0.01	40.44 2.25 0.01	42.86 2.39 0.01	45.73 2.63 0.01	48.87 2.46 0.01	50.48 2.40 0.01	47.82 2.36 0.01	43.23 2.10 0.01	37.30 2.01 0.01	32.47 1.81 0.00
NYPYA____HELLGATE_GT2 24159	28.50 1.59 0.00	25.62 1.34 0.01	23.56 1.36 0.01	22.02 1.34 0.01	22.53 1.34 0.01	26.06 1.17 0.01	31.44 1.30 0.01	35.11 1.83 0.01	36.68 1.88 0.01	35.28 1.84 0.01	37.20 1.90 0.01	37.82 2.00 0.01	38.32 2.17 0.01	38.40 2.10 0.01	38.14 2.19 0.01	40.44 2.25 0.01	42.86 2.39 0.01	45.73 2.63 0.01	48.87 2.46 0.01	50.48 2.40 0.01	47.82 2.36 0.01	43.23 2.10 0.01	37.30 2.01 0.01	32.47 1.81 0.00
NYS_BARGE__HYD 23848	27.51 0.59 0.00	25.19 0.90 0.00	22.33 0.11 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.89 0.00 0.00	29.22 -0.94 0.00	31.89 -1.40 0.00	33.90 -0.91 0.00	32.98 -0.47 0.00	34.49 -0.81 0.00	35.10 -0.72 0.00	35.40 -0.76 0.00	36.01 -0.29 0.00	35.56 -0.39 0.00	37.20 -0.99 0.00	39.83 -0.65 0.00	41.51 -1.59 0.00	45.59 -0.83 0.00	47.56 -0.53 0.00	44.87 -0.59 0.00	40.48 -0.66 0.00	34.95 -0.35 0.00	31.09 0.43 0.00
OAK ORCHARD__HYD 24046	27.56 0.64 0.00	25.05 0.75 0.00	22.46 0.24 0.00	20.83 0.15 0.00	21.32 0.13 0.00	25.05 0.15 0.00	29.73 -0.42 0.00	32.69 -0.60 0.00	34.57 -0.24 0.00	33.48 0.03 0.00	35.23 -0.07 0.00	35.82 0.00 0.00	36.12 -0.04 0.00	36.52 0.22 0.00	36.24 0.29 0.00	38.15 -0.04 0.00	40.60 0.12 0.00	42.76 -0.35 0.00	46.65 0.23 0.00	48.57 0.48 0.00	45.87 0.41 0.00	41.23 0.08 0.00	35.51 0.21 0.00	31.27 0.61 0.00



OAKDALE___35_KV_LOAD 356122	27.54 0.62 0.00	24.85 0.56 0.00	22.66 0.44 0.00	21.05 0.37 0.00	21.58 0.38 0.00	25.24 0.35 0.00	30.34 0.18 0.00	33.39 0.10 0.00	34.88 0.07 0.00	33.65 0.20 0.00	35.40 0.11 0.00	35.96 0.14 0.00	36.34 0.18 0.00	36.49 0.18 0.00	36.14 0.18 0.00	38.46 0.27 0.00	40.85 0.36 0.00	43.32 0.22 0.00	46.89 0.46 0.00	48.62 0.53 0.00	45.97 0.50 0.00	41.51 0.37 0.00	35.65 0.35 0.00	31.06 0.40 0.00
OCC_CHEM___DRP 24175	26.89 -0.03 0.00	24.27 -0.02 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.62 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	32.65 -2.16 0.00	32.08 -1.37 0.00	33.18 -2.12 0.00	33.96 -1.86 0.00	34.39 -1.77 0.00	34.31 -2.00 0.00	33.76 -2.19 0.00	36.13 -2.06 0.00	38.58 -1.90 0.00	40.43 -2.67 0.00	44.33 -2.09 0.00	45.73 -2.36 0.00	43.47 -2.00 0.00	38.96 -2.18 0.00	34.10 -1.20 0.00	30.08 -0.58 0.00
OH_GEN_PROXY 24063	27.19 0.27 0.00	24.85 0.56 0.00	22.06 -0.15 0.00	20.44 -0.25 0.00	20.90 -0.30 0.00	24.60 -0.30 0.00	29.01 -1.15 0.00	31.71 -1.77 -0.19	33.26 -1.36 0.19	32.51 -0.94 0.00	33.96 -1.34 0.00	34.56 -1.25 0.00	34.86 -1.30 0.00	35.47 -0.83 0.00	35.13 -0.83 0.00	36.78 -1.41 0.00	39.27 -1.21 0.00	41.04 -2.07 0.00	45.03 -1.39 0.00	46.98 -1.10 0.00	44.28 -1.18 0.00	39.99 -1.15 0.00	34.71 -0.81 -0.22	30.50 0.06 0.22
OLIN_CORP_DRP 24177	27.24 0.32 0.00	24.61 0.32 0.00	22.10 -0.11 0.00	20.50 -0.19 0.00	20.94 -0.25 0.00	24.67 -0.22 0.00	28.89 -1.27 0.00	31.36 -1.93 0.00	32.93 -1.88 0.00	32.31 -1.14 0.00	33.46 -1.84 0.00	34.24 -1.58 0.00	34.68 -1.48 0.00	34.60 -1.71 0.00	34.09 -1.87 0.00	36.51 -1.68 0.00	38.98 -1.50 0.00	40.91 -2.20 0.00	44.84 -1.58 0.00	46.26 -1.83 0.00	43.97 -1.50 0.00	39.37 -1.77 0.00	34.45 -0.85 0.00	30.35 -0.31 0.00
OLIN_CORP_DSASP 323712	26.89 -0.03 0.00	24.61 0.31 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.63 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	33.07 -1.74 0.00	32.14 -1.30 0.00	33.57 -1.73 0.00	34.17 -1.65 0.00	34.50 -1.66 0.00	35.11 -1.20 0.00	34.73 -1.22 0.00	36.28 -1.91 0.00	38.82 -1.66 0.00	40.47 -2.63 0.00	44.38 -2.04 0.00	46.31 -1.78 0.00	43.69 -1.77 0.00	39.50 -1.65 0.00	34.10 -1.20 0.00	30.41 -0.25 0.00
ONEIDA_HERK_LFGE 323681	27.56 0.64 0.00	24.85 0.56 0.00	22.73 0.51 0.00	21.14 0.45 0.00	21.68 0.49 0.00	25.42 0.52 0.00	30.79 0.63 0.00	34.06 0.77 0.00	35.57 0.76 0.00	34.15 0.70 0.00	36.07 0.78 0.00	36.43 0.61 0.00	36.77 0.61 0.00	36.88 0.58 0.00	36.53 0.57 0.00	38.80 0.61 0.00	41.13 0.65 0.00	43.75 0.65 0.00	47.26 0.84 0.00	49.05 0.96 0.00	46.42 0.96 0.00	42.09 0.95 0.00	36.01 0.71 0.00	31.21 0.55 0.00
ONEIDA___115KV_TB4 55905	27.78 0.86 0.00	25.05 0.75 0.00	22.88 0.67 0.00	21.28 0.60 0.00	21.81 0.61 0.00	25.57 0.67 0.00	30.88 0.72 0.00	34.12 0.83 0.00	35.64 0.84 0.00	34.28 0.84 0.00	36.18 0.88 0.00	36.68 0.86 0.00	37.06 0.90 0.00	37.18 0.87 0.00	36.82 0.86 0.00	39.15 0.95 0.00	41.53 1.05 0.00	44.14 1.03 0.00	47.67 1.25 0.00	49.48 1.39 0.00	46.83 1.36 0.00	42.38 1.23 0.00	36.25 0.95 0.00	31.49 0.83 0.00
ONONDAGA_REF_OCCRA 23987	27.13 0.22 0.00	24.46 0.17 0.00	22.33 0.11 0.00	20.77 0.08 0.00	21.28 0.08 0.00	24.92 0.02 0.00	30.04 -0.12 0.00	33.02 -0.27 0.00	34.57 -0.24 0.00	33.35 -0.10 0.00	35.16 -0.14 0.00	35.71 -0.11 0.00	36.09 -0.07 0.00	36.20 -0.11 0.00	35.81 -0.14 0.00	38.12 -0.08 0.00	40.44 -0.04 0.00	42.93 -0.17 0.00	46.37 -0.05 0.00	48.04 -0.05 0.00	45.47 0.00 0.00	41.06 -0.08 0.00	35.23 -0.07 0.00	30.72 0.06 0.00
ONONDAGA___COGEN 23986	27.16 0.24 0.00	24.49 0.19 0.00	22.35 0.13 0.00	20.77 0.08 0.00	21.30 0.11 0.00	24.94 0.05 0.00	30.07 -0.09 0.00	33.06 -0.23 0.00	34.57 -0.24 0.00	33.38 -0.07 0.00	35.19 -0.11 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.23 -0.07 0.00	35.85 -0.11 0.00	38.15 -0.04 0.00	40.48 0.00 0.00	42.97 -0.13 0.00	46.42 0.00 0.00	48.04 -0.05 0.00	45.47 0.00 0.00	41.06 -0.08 0.00	35.26 -0.04 0.00	30.75 0.09 0.00
ONTARIO___LFGE 23819	27.75 0.84 0.00	25.14 0.85 0.00	22.73 0.51 0.00	21.07 0.39 0.00	21.62 0.42 0.00	25.37 0.47 0.00	30.40 0.24 0.00	33.42 0.13 0.00	35.05 0.25 0.00	33.91 0.47 0.00	35.69 0.39 0.00	36.21 0.39 0.00	36.56 0.40 0.00	36.88 0.58 0.00	36.53 0.57 0.00	38.65 0.46 0.00	41.13 0.65 0.00	43.45 0.34 0.00	47.30 0.88 0.00	49.20 1.11 0.00	46.47 1.00 0.00	41.89 0.74 0.00	35.90 0.60 0.00	31.39 0.73 0.00
ORANGEVILLE_WT_PWR 323706	27.48 0.57 0.00	25.05 0.75 0.00	22.35 0.13 0.00	20.70 0.02 0.00	21.18 -0.02 0.00	24.92 0.02 0.00	29.49 -0.66 0.00	32.12 -1.17 0.00	33.97 -0.84 0.00	32.98 -0.47 0.00	34.49 -0.81 0.00	35.07 -0.75 0.00	35.40 -0.76 0.00	35.94 -0.36 0.00	35.56 -0.39 0.00	37.39 -0.80 0.00	39.95 -0.53 0.00	41.77 -1.34 0.00	45.82 -0.60 0.00	47.90 -0.19 0.00	45.15 -0.32 0.00	40.77 -0.37 0.00	35.05 -0.25 0.00	31.00 0.34 0.00
ORANGEVILLE___ESR 323794	27.48 0.57 0.00	25.05 0.75 0.00	22.35 0.13 0.00	20.70 0.02 0.00	21.18 -0.02 0.00	24.92 0.02 0.00	29.49 -0.66 0.00	32.12 -1.17 0.00	33.97 -0.84 0.00	32.98 -0.47 0.00	34.49 -0.81 0.00	35.07 -0.75 0.00	35.40 -0.76 0.00	35.94 -0.36 0.00	35.56 -0.39 0.00	37.39 -0.80 0.00	39.95 -0.53 0.00	41.77 -1.34 0.00	45.82 -0.60 0.00	47.90 -0.19 0.00	45.15 -0.32 0.00	40.77 -0.37 0.00	35.05 -0.25 0.00	31.00 0.34 0.00
OSWEGATCHIE___HYD 24044	27.11 0.19 0.00	24.44 0.15 0.00	22.35 0.13 0.00	20.79 0.10 0.00	21.35 0.15 0.00	25.17 0.27 0.00	30.64 0.48 0.00	33.99 0.70 0.00	35.50 0.70 0.00	34.01 0.57 0.00	35.97 0.67 0.00	36.28 0.46 0.00	36.60 0.44 0.00	36.67 0.36 0.00	36.24 0.29 0.00	38.46 0.27 0.00	40.77 0.29 0.00	43.28 0.17 0.00	46.56 0.14 0.00	48.28 0.19 0.00	45.65 0.18 0.00	41.56 0.41 0.00	35.73 0.43 0.00	30.81 0.15 0.00
OSWEGO___5 23606	26.65 -0.27 0.00	24.10 -0.20 0.00	21.95 -0.27 0.00	20.41 -0.27 0.00	20.92 -0.28 0.00	24.52 -0.37 0.00	29.55 -0.60 0.00	32.46 -0.83 0.00	34.01 -0.80 0.00	32.74 -0.70 0.00	34.56 -0.74 0.00	35.07 -0.75 0.00	35.40 -0.76 0.00	35.58 -0.73 0.00	35.24 -0.72 0.00	37.39 -0.80 0.00	39.67 -0.81 0.00	42.11 -0.99 0.00	45.49 -0.93 0.00	47.17 -0.92 0.00	44.60 -0.87 0.00	40.32 -0.82 0.00	34.59 -0.71 0.00	30.17 -0.49 0.00
OSWEGO___6 23613	26.65 -0.27 0.00	24.10 -0.20 0.00	21.95 -0.27 0.00	20.41 -0.27 0.00	20.92 -0.28 0.00	24.52 -0.37 0.00	29.55 -0.60 0.00	32.46 -0.83 0.00	34.01 -0.80 0.00	32.74 -0.70 0.00	34.56 -0.74 0.00	35.07 -0.75 0.00	35.40 -0.76 0.00	35.58 -0.73 0.00	35.24 -0.72 0.00	37.39 -0.80 0.00	39.67 -0.81 0.00	42.11 -0.99 0.00	45.49 -0.93 0.00	47.17 -0.92 0.00	44.60 -0.87 0.00	40.32 -0.82 0.00	34.59 -0.71 0.00	30.17 -0.49 0.00



OUTOKUMPU-AB___DRP 24206	27.56 0.65 0.00	24.88 0.58 0.00	22.35 0.13 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.89 0.00 0.00	29.31 -0.84 0.00	31.93 -1.36 0.00	33.59 -1.22 0.00	32.98 -0.47 0.00	34.20 -1.09 0.00	35.00 -0.82 0.00	35.44 -0.72 0.00	35.40 -0.91 0.00	34.81 -1.15 0.00	37.28 -0.92 0.00	39.83 -0.65 0.00	41.72 -1.38 0.00	45.72 -0.70 0.00	47.13 -0.96 0.00	44.83 -0.64 0.00	40.12 -1.03 0.00	35.09 -0.21 0.00	30.84 0.18 0.00
OXBOW___BTM 323836	27.29 0.38 0.00	24.95 0.66 0.00	22.10 -0.11 0.00	20.48 -0.21 0.00	20.92 -0.28 0.00	24.65 -0.25 0.00	29.01 -1.15 0.00	31.56 -1.73 0.00	33.59 -1.22 0.00	32.68 -0.77 0.00	34.17 -1.13 0.00	34.78 -1.04 0.00	35.11 -1.05 0.00	35.72 -0.58 0.00	35.38 -0.58 0.00	36.97 -1.22 0.00	39.59 -0.89 0.00	41.21 -1.90 0.00	45.21 -1.21 0.00	47.17 -0.92 0.00	44.47 -1.00 0.00	40.20 -0.94 0.00	34.67 -0.63 0.00	30.88 0.22 0.00
OXBOW___ 24026	27.29 0.38 0.00	24.61 0.32 0.00	22.10 -0.11 0.00	20.48 -0.21 0.00	20.92 -0.28 0.00	24.65 -0.25 0.00	29.01 -1.15 0.00	31.56 -1.73 0.00	33.21 -1.60 0.00	32.58 -0.87 0.00	33.78 -1.52 0.00	34.57 -1.25 0.00	35.00 -1.16 0.00	34.93 -1.38 0.00	34.37 -1.58 0.00	36.82 -1.37 0.00	39.31 -1.17 0.00	41.21 -1.90 0.00	45.12 -1.30 0.00	46.55 -1.54 0.00	44.24 -1.23 0.00	39.62 -1.52 0.00	34.66 -0.64 0.00	30.54 -0.12 0.00
OXY_CHEM_DSASP 323612	26.89 -0.03 0.00	24.27 -0.02 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.62 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	32.65 -2.16 0.00	32.08 -1.37 0.00	33.18 -2.12 0.00	33.96 -1.86 0.00	34.39 -1.77 0.00	34.31 -2.00 0.00	33.76 -2.19 0.00	36.13 -2.06 0.00	38.58 -1.90 0.00	40.43 -2.67 0.00	44.33 -2.09 0.00	45.73 -2.36 0.00	43.47 -2.00 0.00	38.96 -2.18 0.00	34.10 -1.20 0.00	30.08 -0.58 0.00
OZONE_PARK_ESR 323760	28.86 1.94 0.00	26.07 1.77 0.00	23.88 1.67 0.00	22.30 1.61 0.00	22.83 1.63 0.00	26.44 1.54 0.00	31.91 1.75 0.00	35.59 2.30 0.00	37.31 2.51 0.00	35.75 2.31 0.00	37.73 2.44 0.00	38.36 2.54 0.00	38.73 2.57 0.00	38.99 2.69 0.00	38.76 2.80 0.00	41.09 2.90 0.00	43.52 3.04 0.00	46.47 3.36 0.00	49.86 3.44 0.00	51.65 3.56 0.00	48.79 3.32 0.00	44.11 2.96 0.00	37.74 2.44 0.00	32.84 2.18 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	26.89 -0.03 0.00	24.27 -0.02 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.62 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	32.65 -2.16 0.00	32.08 -1.37 0.00	33.18 -2.12 0.00	33.96 -1.86 0.00	34.39 -1.77 0.00	34.31 -2.00 0.00	33.76 -2.19 0.00	36.13 -2.06 0.00	38.58 -1.90 0.00	40.43 -2.67 0.00	44.33 -2.09 0.00	45.73 -2.36 0.00	43.47 -2.00 0.00	38.96 -2.18 0.00	34.10 -1.20 0.00	30.08 -0.58 0.00
PACKARD___115KV_DUPONT_184 80571	26.89 -0.03 0.00	24.27 -0.02 0.00	21.79 -0.42 0.00	20.19 -0.50 0.00	20.62 -0.57 0.00	24.30 -0.60 0.00	28.62 -1.54 0.00	31.06 -2.23 0.00	32.65 -2.16 0.00	32.08 -1.37 0.00	33.18 -2.12 0.00	33.96 -1.86 0.00	34.39 -1.77 0.00	34.31 -2.00 0.00	33.76 -2.19 0.00	36.13 -2.06 0.00	38.58 -1.90 0.00	40.43 -2.67 0.00	44.33 -2.09 0.00	45.73 -2.36 0.00	43.47 -2.00 0.00	38.96 -2.18 0.00	34.10 -1.20 0.00	30.08 -0.58 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	28.51 1.59 0.00	25.73 1.43 0.00	23.59 1.38 0.00	22.05 1.37 0.00	22.55 1.36 0.00	26.09 1.19 0.00	31.48 1.33 0.00	35.12 1.83 0.00	36.83 2.02 0.00	35.32 1.87 0.00	37.28 1.98 0.00	37.90 2.08 0.00	38.26 2.10 0.00	38.52 2.21 0.00	38.33 2.37 0.00	40.48 2.29 0.00	42.87 2.39 0.00	45.73 2.63 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.45 2.30 0.00	37.21 1.91 0.00	32.44 1.78 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	28.75 1.83 0.00	25.94 1.65 0.00	23.79 1.58 0.00	22.23 1.55 0.00	22.74 1.55 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.55 2.11 0.00	37.59 2.29 0.00	38.15 2.33 0.00	38.51 2.35 0.00	38.77 2.47 0.00	38.62 2.66 0.00	40.83 2.64 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.78 2.63 0.00	37.52 2.22 0.00	32.71 2.05 0.00
PATROON___115KV_TB1 80586	27.54 0.62 0.00	24.95 0.66 0.00	22.86 0.64 0.00	21.30 0.62 0.00	21.81 0.61 0.00	25.39 0.50 0.00	30.58 0.42 0.00	33.82 0.53 0.00	35.33 0.52 0.00	33.85 0.40 0.00	35.83 0.53 0.00	36.32 0.50 0.00	36.67 0.51 0.00	36.89 0.58 0.00	36.64 0.68 0.00	38.80 0.61 0.00	41.09 0.61 0.00	43.88 0.78 0.00	47.16 0.74 0.00	48.91 0.82 0.00	46.28 0.82 0.00	41.93 0.78 0.00	35.94 0.64 0.00	31.27 0.61 0.00
PATTRSNVILLE___SOLAR 323815	28.32 1.40 0.00	25.55 1.26 0.00	23.39 1.18 0.00	21.76 1.07 0.00	22.32 1.12 0.00	26.07 1.17 0.00	31.42 1.27 0.00	34.72 1.43 0.00	36.24 1.43 0.00	34.68 1.24 0.00	36.64 1.34 0.00	37.25 1.43 0.00	37.50 1.34 0.00	37.61 1.31 0.00	37.32 1.37 0.00	39.72 1.53 0.00	42.06 1.58 0.00	44.87 1.77 0.00	48.32 1.90 0.00	50.25 2.17 0.00	47.56 2.09 0.00	43.04 1.89 0.00	36.85 1.55 0.00	32.13 1.47 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	27.54 0.62 0.00	24.83 0.53 0.00	22.33 0.11 0.00	20.68 0.00 0.00	21.13 -0.06 0.00	24.89 0.00 0.00	29.40 -0.75 0.00	31.99 -1.30 0.00	33.56 -1.25 0.00	32.88 -0.57 0.00	34.20 -1.09 0.00	34.96 -0.86 0.00	35.40 -0.76 0.00	35.43 -0.87 0.00	34.91 -1.04 0.00	37.39 -0.80 0.00	40.00 -0.49 0.00	41.90 -1.21 0.00	45.86 -0.56 0.00	47.46 -0.63 0.00	44.97 -0.50 0.00	40.24 -0.91 0.00	35.05 -0.25 0.00	30.75 0.09 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	28.59 1.67 0.00	25.82 1.53 0.00	23.72 1.51 0.00	22.13 1.45 0.00	22.66 1.46 0.00	26.29 1.39 0.00	31.63 1.48 0.00	35.19 1.90 0.00	36.83 2.02 0.00	35.22 1.77 0.00	37.24 1.94 0.00	37.90 2.08 0.00	38.29 2.13 0.00	38.52 2.21 0.00	38.26 2.30 0.00	40.60 2.41 0.00	43.07 2.59 0.00	46.08 2.97 0.00	49.35 2.92 0.00	51.17 3.08 0.00	48.47 3.00 0.00	43.78 2.63 0.00	37.31 2.01 0.00	32.47 1.81 0.00
PEEKSKILL___ 23653	28.42 1.51 0.00	25.63 1.34 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.11 1.22 0.00	31.45 1.30 0.00	35.02 1.73 0.00	36.48 1.67 0.00	35.05 1.61 0.00	36.96 1.66 0.00	37.61 1.79 0.00	38.08 1.92 0.00	38.16 1.85 0.00	37.86 1.90 0.00	40.25 2.06 0.00	42.71 2.23 0.00	45.65 2.54 0.00	48.93 2.51 0.00	50.64 2.55 0.00	47.97 2.50 0.00	43.32 2.18 0.00	37.20 1.90 0.00	32.31 1.65 0.00
PGE MADISON___WINDPWR 24146	28.91 1.99 0.00	26.09 1.80 0.00	23.81 1.60 0.00	22.11 1.43 0.00	22.70 1.51 0.00	26.56 1.67 0.00	32.06 1.90 0.00	35.49 2.20 0.00	37.04 2.23 0.00	35.55 2.11 0.00	37.45 2.15 0.00	37.86 2.04 0.00	38.26 2.10 0.00	38.34 2.03 0.00	38.01 2.05 0.00	40.44 2.25 0.00	42.87 2.39 0.00	45.47 2.37 0.00	49.35 2.93 0.00	51.45 3.37 0.00	48.69 3.23 0.00	44.11 2.96 0.00	37.59 2.29 0.00	32.65 1.99 0.00



PIERCEFIELD___HYD 23852	26.78 -0.13 0.00	24.17 -0.12 0.00	22.10 -0.11 0.00	20.58 -0.10 0.00	21.11 -0.08 0.00	25.04 0.15 0.00	30.70 0.54 0.00	34.06 0.77 0.00	35.61 0.80 0.00	34.18 0.74 0.00	36.08 0.78 0.00	36.54 0.72 0.00	36.85 0.69 0.00	36.92 0.62 0.00	36.53 0.58 0.00	38.69 0.50 0.00	40.93 0.45 0.00	43.36 0.26 0.00	46.33 -0.09 0.00	47.94 -0.14 0.00	45.28 -0.18 0.00	41.31 0.16 0.00	35.65 0.35 0.00	30.66 0.00 0.00
PINELAWN_CC_1 323563	29.40 2.47 -0.01	26.41 2.11 -0.01	24.40 2.18 -0.01	22.76 2.07 -0.01	23.34 2.14 -0.01	26.76 1.87 0.00	32.15 1.99 0.00	35.89 2.60 0.00	36.79 1.98 0.00	35.65 2.21 0.00	37.63 2.33 0.00	38.36 2.54 0.00	38.80 2.64 0.00	39.04 2.72 -0.01	38.80 2.84 -0.01	41.06 2.87 0.00	43.85 3.36 -0.01	46.82 3.71 -0.01	50.37 3.94 -0.01	51.70 3.61 0.00	49.07 3.59 -0.01	44.65 3.50 -0.01	38.23 2.93 0.00	33.46 2.79 -0.01
PJM_GEN_HTTP_PROXY 323702	28.61 1.70 0.00	25.77 1.48 0.00	23.73 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.48 2.00 -0.19	36.67 2.05 0.19	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.08 2.59 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.97 2.89 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.71 2.19 -0.22	32.34 1.90 0.22
PJM_GEN_KEystone 24065	27.83 0.92 0.00	25.22 0.92 0.00	22.88 0.67 0.00	21.30 0.62 0.00	21.79 0.59 0.00	25.42 0.52 0.00	30.40 0.24 0.00	33.71 0.23 -0.19	34.87 0.25 0.19	33.81 0.37 0.00	35.55 0.25 0.00	36.14 0.32 0.00	36.52 0.36 0.00	36.81 0.51 0.00	36.50 0.54 0.00	38.65 0.46 0.00	41.13 0.65 0.00	43.58 0.48 0.00	47.16 0.74 0.00	49.05 0.96 0.00	46.29 0.82 0.00	41.80 0.66 0.00	36.16 0.64 -0.22	31.23 0.80 0.22
PJM_GEN_NEPTUNE_PROXY 323594	29.00 2.07 -0.01	26.07 1.77 -0.01	24.06 1.84 -0.01	22.47 1.78 -0.01	23.01 1.80 -0.01	26.44 1.54 0.00	31.78 1.63 0.00	35.61 2.13 -0.19	36.26 1.64 0.19	35.28 1.84 0.00	37.24 1.94 0.00	37.93 2.11 0.00	38.37 2.21 0.00	38.56 2.25 -0.01	38.34 2.37 -0.01	40.60 2.41 0.00	43.32 2.83 -0.01	46.22 3.11 -0.01	49.68 3.25 -0.01	51.02 2.93 0.00	48.39 2.91 -0.01	43.99 2.84 -0.01	37.95 2.43 -0.22	32.75 2.30 0.21
PJM_GEN_VFT_PROXY 323633	28.50 1.59 0.00	25.68 1.38 0.00	23.61 1.40 0.00	22.07 1.39 0.00	22.57 1.38 0.00	26.14 1.24 0.00	31.54 1.39 0.00	35.38 1.90 -0.19	36.57 1.95 0.19	35.32 1.87 0.00	37.20 1.90 0.00	37.86 2.04 0.00	38.29 2.13 0.00	38.37 2.07 0.00	38.08 2.12 0.00	40.52 2.33 0.00	42.91 2.43 0.00	45.90 2.80 0.00	49.16 2.74 0.00	50.78 2.69 0.00	48.06 2.59 0.00	43.41 2.26 0.00	37.57 2.05 -0.22	32.22 1.78 0.22
PLATSBURG_115KV_PMLD1 355749	26.81 -0.11 0.00	24.20 -0.10 0.00	22.13 -0.09 0.00	20.62 -0.06 0.00	21.15 -0.04 0.00	25.09 0.20 0.00	30.67 0.51 0.00	34.02 0.73 0.00	35.68 0.87 0.00	34.32 0.87 0.00	36.18 0.88 0.00	36.68 0.86 0.00	36.99 0.83 0.00	37.03 0.73 0.00	36.64 0.68 0.00	38.80 0.61 0.00	41.01 0.53 0.00	43.71 0.60 0.00	46.98 0.56 0.00	48.52 0.43 0.00	45.78 0.32 0.00	41.43 0.29 0.00	35.51 0.21 0.00	30.63 -0.03 0.00
PLEASANTVLY___LBMP 24000	28.21 1.29 0.00	25.56 1.26 0.00	23.44 1.22 0.00	21.86 1.18 0.00	22.38 1.19 0.00	25.94 1.05 0.00	31.21 1.06 0.00	34.75 1.46 0.00	36.31 1.50 0.00	34.75 1.30 0.00	36.75 1.45 0.00	37.32 1.50 0.00	37.68 1.52 0.00	37.94 1.63 0.00	37.68 1.73 0.00	39.95 1.76 0.00	42.34 1.86 0.00	45.26 2.16 0.00	48.56 2.14 0.00	50.35 2.26 0.00	47.60 2.14 0.00	43.08 1.93 0.00	36.82 1.52 0.00	32.04 1.38 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	28.48 1.56 0.00	25.75 1.46 0.00	23.61 1.40 0.00	22.05 1.37 0.00	22.57 1.38 0.00	26.16 1.27 0.00	31.48 1.33 0.00	35.09 1.80 0.00	36.72 1.91 0.00	35.15 1.71 0.00	37.17 1.87 0.00	37.75 1.93 0.00	38.15 1.99 0.00	38.41 2.11 0.00	38.15 2.19 0.00	40.45 2.25 0.00	42.87 2.39 0.00	45.78 2.67 0.00	49.11 2.69 0.00	50.93 2.84 0.00	48.15 2.68 0.00	43.53 2.39 0.00	37.21 1.91 0.00	32.35 1.69 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	28.48 1.56 0.00	25.75 1.46 0.00	23.61 1.40 0.00	22.05 1.37 0.00	22.57 1.38 0.00	26.16 1.27 0.00	31.48 1.33 0.00	35.09 1.80 0.00	36.72 1.91 0.00	35.15 1.71 0.00	37.17 1.87 0.00	37.75 1.93 0.00	38.15 1.99 0.00	38.41 2.11 0.00	38.15 2.19 0.00	40.45 2.25 0.00	42.87 2.39 0.00	45.78 2.67 0.00	49.11 2.69 0.00	50.93 2.84 0.00	48.15 2.68 0.00	43.53 2.39 0.00	37.21 1.91 0.00	32.35 1.69 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	28.34 1.43 0.00	25.65 1.36 0.00	23.52 1.31 0.00	21.94 1.26 0.00	22.45 1.25 0.00	26.06 1.17 0.00	31.36 1.21 0.00	34.89 1.60 0.00	36.48 1.67 0.00	34.92 1.47 0.00	36.89 1.59 0.00	37.47 1.65 0.00	37.82 1.66 0.00	38.08 1.78 0.00	37.83 1.87 0.00	40.10 1.91 0.00	42.55 2.06 0.00	45.52 2.41 0.00	48.88 2.46 0.00	50.69 2.60 0.00	47.92 2.46 0.00	43.32 2.18 0.00	36.99 1.69 0.00	32.19 1.53 0.00
POLETTI_____ 23519	28.56 1.64 0.00	25.82 1.53 0.00	23.68 1.47 0.00	22.13 1.45 0.00	22.64 1.44 0.00	26.21 1.32 0.00	31.60 1.45 0.00	35.25 1.96 0.00	36.93 2.12 0.00	35.39 1.94 0.00	37.35 2.05 0.00	37.97 2.15 0.00	38.33 2.17 0.00	38.63 2.32 0.00	38.37 2.41 0.00	40.64 2.44 0.00	43.03 2.55 0.00	45.95 2.84 0.00	49.30 2.88 0.00	51.07 2.98 0.00	48.24 2.77 0.00	43.65 2.51 0.00	37.35 2.05 0.00	32.50 1.84 0.00
POMONA___ESR 323819	28.45 1.53 0.00	25.65 1.36 0.00	23.59 1.38 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.11 1.22 0.00	31.45 1.30 0.00	35.02 1.73 0.00	36.48 1.67 0.00	35.05 1.61 0.00	36.96 1.66 0.00	37.61 1.79 0.00	38.04 1.88 0.00	38.19 1.89 0.00	37.86 1.90 0.00	40.29 2.10 0.00	42.71 2.23 0.00	45.65 2.54 0.00	48.97 2.55 0.00	50.73 2.64 0.00	47.97 2.50 0.00	43.32 2.18 0.00	37.20 1.90 0.00	32.31 1.65 0.00
PORT_JEFF_3 23555	29.51 2.58 -0.01	26.51 2.21 -0.01	24.60 2.38 -0.01	22.93 2.23 -0.01	23.56 2.35 -0.01	26.79 1.89 0.00	32.15 1.99 0.00	35.92 2.63 0.00	36.58 1.77 0.00	35.49 2.04 0.00	37.52 2.23 0.00	38.26 2.44 0.00	38.84 2.68 0.00	39.07 2.76 -0.01	38.88 2.91 -0.01	41.09 2.90 0.00	43.97 3.48 -0.01	46.86 3.75 -0.01	50.47 4.04 -0.01	51.70 3.61 0.00	49.07 3.59 -0.01	44.69 3.54 -0.01	38.37 3.07 0.00	33.55 2.88 -0.01
PORT_JEFF_4 23616	29.51 2.58 -0.01	26.51 2.21 -0.01	24.60 2.38 -0.01	22.93 2.23 -0.01	23.56 2.35 -0.01	26.79 1.89 0.00	32.15 1.99 0.00	35.92 2.63 0.00	36.58 1.77 0.00	35.49 2.04 0.00	37.52 2.23 0.00	38.26 2.44 0.00	38.84 2.68 0.00	39.07 2.76 -0.01	38.88 2.91 -0.01	41.09 2.90 0.00	43.97 3.48 -0.01	46.86 3.75 -0.01	50.47 4.04 -0.01	51.70 3.61 0.00	49.07 3.59 -0.01	44.69 3.54 -0.01	38.37 3.07 0.00	33.55 2.88 -0.01



PORT_JEFF_IC 23713	29.53 2.61 0.00	26.82 2.53 0.00	24.61 2.40 0.00	22.94 2.25 0.00	23.57 2.37 0.00	26.81 1.92 0.00	32.15 1.99 0.00	35.95 2.66 0.00	37.14 2.33 0.00	35.69 2.24 0.00	37.98 2.68 0.00	38.58 2.76 0.00	39.23 3.07 0.00	39.61 3.30 0.00	39.41 3.45 0.00	41.67 3.48 0.00	44.45 3.97 0.00	47.46 4.35 0.00	51.02 4.60 0.00	52.85 4.76 0.00	49.92 4.46 0.00	45.18 4.03 0.00	38.30 3.00 0.00	33.51 2.85 0.00
PPL PILGRIM_ST_GT1 24216	29.62 2.69 -0.01	26.61 2.31 -0.01	24.62 2.40 -0.01	22.97 2.28 -0.01	23.58 2.37 -0.01	26.94 2.04 0.00	32.36 2.20 0.00	36.15 2.86 0.00	36.97 2.16 0.00	35.86 2.41 0.00	37.91 2.61 0.00	38.62 2.80 0.00	39.09 2.93 0.00	39.32 3.01 -0.01	39.13 3.16 -0.01	41.36 3.17 0.00	44.21 3.72 -0.01	47.16 4.05 -0.01	50.79 4.36 -0.01	52.08 3.99 0.00	49.43 3.95 -0.01	45.02 3.87 -0.01	38.55 3.25 0.00	33.70 3.04 -0.01
PPL PILGRIM_ST_GT2 24217	29.62 2.69 -0.01	26.61 2.31 -0.01	24.62 2.40 -0.01	22.97 2.28 -0.01	23.58 2.37 -0.01	26.94 2.04 0.00	32.36 2.20 0.00	36.15 2.86 0.00	36.97 2.16 0.00	35.86 2.41 0.00	37.91 2.61 0.00	38.62 2.80 0.00	39.09 2.93 0.00	39.32 3.01 -0.01	39.13 3.16 -0.01	41.36 3.17 0.00	44.21 3.72 -0.01	47.16 4.05 -0.01	50.79 4.36 -0.01	52.08 3.99 0.00	49.43 3.95 -0.01	45.02 3.87 -0.01	38.55 3.25 0.00	33.70 3.04 -0.01
PPL_SHRM_GT3 24213	29.43 2.50 -0.01	26.41 2.11 -0.01	24.62 2.40 -0.01	22.95 2.25 -0.01	23.68 2.48 -0.01	26.59 1.69 0.00	31.78 1.63 0.00	35.59 2.30 0.00	36.27 1.46 0.00	35.18 1.74 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.48 2.32 0.00	38.71 2.40 -0.01	38.52 2.55 -0.01	40.71 2.52 0.00	43.57 3.08 -0.01	46.48 3.36 -0.01	50.05 3.62 -0.01	51.21 3.12 0.00	48.61 3.13 -0.01	44.32 3.17 -0.01	38.06 2.76 0.00	33.24 2.58 -0.01
PPL_SHRM_GT4 24214	29.43 2.50 -0.01	26.41 2.11 -0.01	24.62 2.40 -0.01	22.95 2.25 -0.01	23.68 2.48 -0.01	26.59 1.69 0.00	31.78 1.63 0.00	35.59 2.30 0.00	36.27 1.46 0.00	35.18 1.74 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.48 2.32 0.00	38.71 2.40 -0.01	38.52 2.55 -0.01	40.71 2.52 0.00	43.57 3.08 -0.01	46.48 3.36 -0.01	50.05 3.62 -0.01	51.21 3.12 0.00	48.61 3.13 -0.01	44.32 3.17 -0.01	38.06 2.76 0.00	33.24 2.58 -0.01
PROJECT___ORANGE 1 24174	27.05 0.13 0.00	24.39 0.10 0.00	22.26 0.04 0.00	20.70 0.02 0.00	21.22 0.02 0.00	24.85 -0.05 0.00	29.95 -0.21 0.00	32.92 -0.37 0.00	34.43 -0.38 0.00	33.25 -0.20 0.00	35.05 -0.25 0.00	35.60 -0.21 0.00	35.98 -0.18 0.00	36.09 -0.22 0.00	35.70 -0.25 0.00	38.00 -0.19 0.00	40.28 -0.20 0.00	42.76 -0.34 0.00	46.19 -0.23 0.00	47.80 -0.29 0.00	45.28 -0.18 0.00	40.90 -0.25 0.00	35.09 -0.21 0.00	30.63 -0.03 0.00
PROJECT___ORANGE 2 24166	27.05 0.13 0.00	24.39 0.10 0.00	22.26 0.04 0.00	20.70 0.02 0.00	21.22 0.02 0.00	24.85 -0.05 0.00	29.95 -0.21 0.00	32.92 -0.37 0.00	34.43 -0.38 0.00	33.25 -0.20 0.00	35.05 -0.25 0.00	35.60 -0.21 0.00	35.98 -0.18 0.00	36.09 -0.22 0.00	35.70 -0.25 0.00	38.00 -0.19 0.00	40.28 -0.20 0.00	42.76 -0.34 0.00	46.19 -0.23 0.00	47.80 -0.29 0.00	45.28 -0.18 0.00	40.90 -0.25 0.00	35.09 -0.21 0.00	30.63 -0.03 0.00
PUCKETT___SOLAR 323809	27.88 0.97 0.00	25.19 0.90 0.00	22.95 0.73 0.00	21.32 0.64 0.00	21.85 0.66 0.00	25.59 0.70 0.00	30.79 0.63 0.00	33.92 0.63 0.00	35.40 0.59 0.00	34.11 0.67 0.00	35.94 0.64 0.00	36.43 0.61 0.00	36.81 0.65 0.00	37.03 0.73 0.00	36.68 0.72 0.00	38.96 0.76 0.00	41.37 0.89 0.00	43.88 0.78 0.00	47.53 1.11 0.00	49.39 1.30 0.00	46.69 1.23 0.00	42.26 1.11 0.00	36.18 0.88 0.00	31.55 0.89 0.00
PYRITES___HYD 24023	27.13 0.22 0.00	24.46 0.17 0.00	22.39 0.18 0.00	20.85 0.17 0.00	21.41 0.21 0.00	25.42 0.52 0.00	31.15 1.00 0.00	34.56 1.27 0.00	36.06 1.25 0.00	34.55 1.10 0.00	36.46 1.16 0.00	36.89 1.07 0.00	37.21 1.05 0.00	37.25 0.94 0.00	36.89 0.93 0.00	39.11 0.92 0.00	41.41 0.93 0.00	44.01 0.91 0.00	47.16 0.74 0.00	48.91 0.82 0.00	46.24 0.77 0.00	42.13 0.99 0.00	36.25 0.95 0.00	31.15 0.49 0.00
QUAKERRD_115KV_BK1 80622	26.86 -0.05 0.00	24.20 -0.10 0.00	21.93 -0.29 0.00	20.35 -0.33 0.00	20.86 -0.34 0.00	24.45 -0.45 0.00	29.16 -1.00 0.00	32.06 -1.23 0.00	33.63 -1.18 0.00	32.71 -0.74 0.00	34.28 -1.02 0.00	34.92 -0.90 0.00	35.29 -0.87 0.00	35.29 -1.02 0.00	34.88 -1.08 0.00	37.24 -0.95 0.00	39.59 -0.89 0.00	41.90 -1.21 0.00	45.54 -0.88 0.00	47.03 -1.06 0.00	44.56 -0.91 0.00	40.03 -1.11 0.00	34.63 -0.67 0.00	30.32 -0.34 0.00
QUENSBRY_115KV_TB8 356137	28.99 2.07 0.00	26.21 1.92 0.00	23.97 1.75 0.00	22.25 1.57 0.00	22.83 1.63 0.00	26.46 1.57 0.00	31.91 1.75 0.00	35.29 2.00 0.00	36.93 2.12 0.00	35.29 1.84 0.00	37.45 2.15 0.00	37.93 2.11 0.00	38.19 2.02 0.00	38.37 2.07 0.00	37.29 1.33 0.00	39.57 1.37 0.00	41.86 1.38 0.00	44.70 1.59 0.00	48.05 1.62 0.00	50.06 1.97 0.00	47.38 1.91 0.00	43.00 1.85 0.00	37.52 2.22 0.00	32.84 2.18 0.00
RAMAPO___LBMP 323565	28.37 1.45 0.00	25.65 1.36 0.00	23.52 1.31 0.00	21.94 1.26 0.00	22.47 1.27 0.00	26.04 1.15 0.00	31.36 1.21 0.00	34.92 1.63 0.00	36.48 1.67 0.00	34.95 1.51 0.00	36.92 1.62 0.00	37.54 1.72 0.00	37.90 1.74 0.00	38.16 1.85 0.00	37.90 1.94 0.00	40.18 1.99 0.00	42.59 2.11 0.00	45.52 2.41 0.00	48.83 2.41 0.00	50.69 2.60 0.00	47.88 2.41 0.00	43.28 2.14 0.00	37.03 1.73 0.00	32.16 1.50 0.00
RANKINE____ 23646	27.64 0.73 0.00	24.92 0.63 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	24.99 0.10 0.00	29.49 -0.66 0.00	32.09 -1.20 0.00	33.73 -1.08 0.00	33.08 -0.37 0.00	34.35 -0.95 0.00	35.10 -0.72 0.00	35.55 -0.61 0.00	35.54 -0.76 0.00	35.02 -0.93 0.00	37.50 -0.69 0.00	40.08 -0.40 0.00	41.98 -1.12 0.00	46.00 -0.42 0.00	47.46 -0.63 0.00	45.10 -0.36 0.00	40.32 -0.82 0.00	35.23 -0.07 0.00	30.94 0.28 0.00
RAVENSWOOD_GT2_1 24244	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.63 1.48 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.12 3.03 0.00	48.29 2.82 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00
RAVENSWOOD_GT2_2 24245	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.63 1.48 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.12 3.03 0.00	48.29 2.82 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00



RAVENSWOOD_GT2_3 24246	28.64 1.72 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.32 2.03 0.00	37.00 2.19 0.00	35.45 2.01 0.00	37.45 2.15 0.00	38.04 2.22 0.00	38.40 2.24 0.00	38.70 2.40 0.00	38.44 2.48 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.42 2.12 0.00	32.56 1.90 0.00
RAVENSWOOD_GT2_4 24247	28.64 1.72 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.32 2.03 0.00	37.00 2.19 0.00	35.45 2.01 0.00	37.45 2.15 0.00	38.04 2.22 0.00	38.40 2.24 0.00	38.70 2.40 0.00	38.44 2.48 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.42 2.12 0.00	32.56 1.90 0.00
RAVENSWOOD_GT3_1 24248	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.40 2.24 0.00	38.66 2.36 0.00	38.44 2.48 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.12 3.03 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00
RAVENSWOOD_GT3_2 24249	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.40 2.24 0.00	38.66 2.36 0.00	38.44 2.48 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.12 3.03 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00
RAVENSWOOD_GT3_3 24250	28.64 1.72 0.00	25.90 1.60 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.26 1.37 0.00	31.69 1.54 0.00	35.35 2.06 0.00	37.04 2.23 0.00	35.49 2.04 0.00	37.49 2.19 0.00	38.08 2.26 0.00	38.44 2.28 0.00	38.74 2.43 0.00	38.47 2.52 0.00	40.75 2.56 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.44 3.02 0.00	51.21 3.13 0.00	48.38 2.91 0.00	43.78 2.63 0.00	37.45 2.15 0.00	32.59 1.93 0.00
RAVENSWOOD_GT3_4 24251	28.64 1.72 0.00	25.90 1.60 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.26 1.37 0.00	31.69 1.54 0.00	35.35 2.06 0.00	37.04 2.23 0.00	35.49 2.04 0.00	37.49 2.19 0.00	38.08 2.26 0.00	38.44 2.28 0.00	38.74 2.43 0.00	38.47 2.52 0.00	40.75 2.56 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.44 3.02 0.00	51.21 3.13 0.00	48.38 2.91 0.00	43.78 2.63 0.00	37.45 2.15 0.00	32.59 1.93 0.00
RAVENSWOOD_GT_1 23729	28.64 1.72 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.32 2.03 0.00	37.04 2.23 0.00	35.52 2.07 0.00	37.49 2.19 0.00	38.11 2.29 0.00	38.47 2.31 0.00	38.74 2.43 0.00	38.55 2.59 0.00	40.75 2.56 0.00	43.16 2.67 -0.01	46.00 2.89 -0.01	49.26 2.83 -0.01	51.07 2.98 0.00	48.24 2.77 0.00	43.70 2.55 0.00	37.42 2.12 0.00	32.59 1.93 0.00
RAVENSWOOD_GT_10 24258	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00
RAVENSWOOD_GT_11 24259	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00
RAVENSWOOD_GT_4 24252	28.61 1.70 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.29 2.00 0.00	37.00 2.19 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.12 2.63 0.00	46.04 2.93 -0.01	49.40 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.42 2.12 0.00	32.56 1.90 0.00
RAVENSWOOD_GT_5 24254	28.61 1.70 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.29 2.00 0.00	37.00 2.19 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.12 2.63 0.00	46.04 2.93 -0.01	49.40 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.42 2.12 0.00	32.56 1.90 0.00
RAVENSWOOD_GT_6 24253	28.61 1.70 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.29 2.00 0.00	37.00 2.19 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.12 2.63 0.00	46.04 2.93 -0.01	49.40 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.42 2.12 0.00	32.56 1.90 0.00
RAVENSWOOD_GT_7 24255	28.61 1.70 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.29 2.00 0.00	37.00 2.19 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.12 2.63 0.00	46.04 2.93 -0.01	49.40 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.42 2.12 0.00	32.56 1.90 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00
RAVENSWOOD_GT_9 24257	28.61 1.70 0.00	25.87 1.58 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.11 2.63 0.00	46.04 2.93 0.00	49.35 2.92 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.74 2.59 0.00	37.38 2.08 0.00	32.53 1.87 0.00



RAVENSWOOD___1 23533	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.21 1.32 0.00	31.63 1.48 0.00	35.29 2.00 0.00	36.86 2.05 0.00	35.45 2.01 0.00	37.35 2.05 0.00	38.00 2.19 0.00	38.48 2.32 0.00	38.56 2.25 0.00	38.29 2.34 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.95 2.84 0.00	49.16 2.74 0.00	50.83 2.74 0.00	48.15 2.68 0.00	43.49 2.34 0.00	37.49 2.19 0.00	32.59 1.93 0.00
RAVENSWOOD___2 23534	28.61 1.70 0.00	25.75 1.46 0.00	23.70 1.49 0.00	22.13 1.45 0.00	22.66 1.46 0.00	26.21 1.32 0.00	31.60 1.45 0.00	35.29 2.00 0.00	36.83 2.02 0.00	35.42 1.97 0.00	37.35 2.05 0.00	38.00 2.19 0.00	38.48 2.32 0.00	38.56 2.25 0.00	38.29 2.34 0.00	40.64 2.45 0.00	43.03 2.55 0.00	45.95 2.84 0.00	49.16 2.74 0.00	50.83 2.74 0.00	48.10 2.64 0.00	43.49 2.34 0.00	37.49 2.19 0.00	32.59 1.93 0.00
RAVENSWOOD___3 23535	28.61 1.70 0.00	25.77 1.48 0.00	23.70 1.49 0.00	22.15 1.47 0.00	22.66 1.46 0.00	26.24 1.34 0.00	31.66 1.51 0.00	35.29 2.00 0.00	36.83 2.02 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.52 2.21 0.00	38.22 2.27 0.00	40.64 2.45 0.00	43.08 2.59 0.00	45.99 2.89 0.00	49.30 2.88 0.00	50.93 2.84 0.00	48.24 2.77 0.00	43.57 2.43 0.00	37.49 2.19 0.00	32.59 1.93 0.00
RAVENSWOOD___4 23820	28.61 1.70 0.00	25.75 1.46 0.00	23.70 1.49 0.00	22.13 1.45 0.00	22.66 1.46 0.00	26.19 1.29 0.00	31.60 1.45 0.00	35.29 2.00 0.00	36.83 2.02 0.00	35.42 1.97 0.00	37.31 2.01 0.00	37.97 2.15 0.00	38.44 2.28 0.00	38.56 2.25 0.00	38.26 2.30 0.00	40.64 2.45 0.00	43.03 2.55 0.01	45.94 2.84 0.01	49.15 2.74 0.01	50.78 2.69 0.00	48.10 2.64 0.00	43.49 2.34 0.00	37.45 2.15 0.00	32.56 1.90 0.00
RCPL_TRUST___DRP 24196	28.67 1.75 0.00	25.92 1.63 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.35 2.06 0.00	37.07 2.26 0.00	35.52 2.07 0.00	37.52 2.22 0.00	38.11 2.29 0.00	38.47 2.31 0.00	38.77 2.47 0.00	38.51 2.55 0.00	40.79 2.60 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.48 3.06 0.00	51.26 3.17 0.00	48.42 2.96 0.00	43.82 2.67 0.00	37.45 2.15 0.00	32.59 1.93 0.00
RED___ROCHESTER 323720	27.78 0.86 0.00	25.24 0.95 0.00	22.64 0.42 0.00	20.97 0.29 0.00	21.49 0.30 0.00	25.19 0.30 0.00	29.91 -0.24 0.00	32.92 -0.37 0.00	34.84 0.03 0.00	33.78 0.33 0.00	35.58 0.28 0.00	36.21 0.39 0.00	36.49 0.32 0.00	36.88 0.58 0.00	36.64 0.68 0.00	38.53 0.34 0.00	41.05 0.57 0.00	43.23 0.13 0.00	47.16 0.74 0.00	49.10 1.01 0.00	46.38 0.91 0.00	41.64 0.50 0.00	35.83 0.53 0.00	31.52 0.86 0.00
REGAN___SOLAR 323812	29.58 2.67 0.00	26.62 2.33 0.00	24.33 2.11 0.00	22.61 1.92 0.00	23.19 1.99 0.00	27.18 2.29 0.00	32.81 2.65 0.00	36.22 2.93 0.00	37.87 3.06 0.00	36.15 2.71 0.00	38.26 2.97 0.00	38.76 2.94 0.00	38.95 2.78 0.00	39.06 2.76 0.00	38.80 2.84 0.00	41.44 3.24 0.00	43.84 3.36 0.00	46.73 3.62 0.00	50.41 3.99 0.00	52.56 4.47 0.00	49.83 4.37 0.00	45.05 3.91 0.00	38.51 3.21 0.00	33.48 2.82 0.00
RENSSELAER___COGEN 23796	27.40 0.49 0.00	24.78 0.49 0.00	22.77 0.56 0.00	21.20 0.52 0.00	21.73 0.53 0.00	25.27 0.37 0.00	30.43 0.27 0.00	33.66 0.37 0.00	35.05 0.25 0.00	33.65 0.20 0.00	35.51 0.21 0.00	36.07 0.25 0.00	36.42 0.25 0.00	36.56 0.26 0.00	36.24 0.29 0.00	38.53 0.34 0.00	40.80 0.32 0.00	43.62 0.52 0.00	46.88 0.46 0.00	48.57 0.48 0.00	45.97 0.50 0.00	41.60 0.45 0.00	35.73 0.43 0.00	31.12 0.46 0.00
REPUBLIC_115KV_BARTNBRK 55605	30.63 3.71 0.00	27.60 3.30 0.00	25.17 2.95 0.00	23.29 2.61 0.00	23.91 2.71 0.00	27.88 2.99 0.00	33.56 3.41 0.00	37.02 3.73 0.00	38.95 4.14 0.00	37.13 3.68 0.00	39.50 4.20 0.00	39.94 4.12 0.00	40.07 3.91 0.00	40.23 3.92 0.00	39.23 3.27 0.00	41.67 3.48 0.00	44.09 3.60 0.00	47.16 4.05 0.00	50.78 4.36 0.00	53.14 5.05 0.00	50.38 4.91 0.00	45.71 4.57 0.00	39.64 4.34 0.00	34.61 3.96 0.00
REVERE_CPPR_DRP 24186	27.97 1.05 0.00	25.22 0.92 0.00	23.06 0.84 0.00	21.41 0.72 0.00	21.96 0.76 0.00	25.74 0.85 0.00	31.12 0.97 0.00	34.42 1.13 0.00	35.99 1.18 0.00	34.55 1.10 0.00	36.50 1.20 0.00	36.97 1.15 0.00	37.32 1.16 0.00	37.43 1.13 0.00	37.11 1.15 0.00	39.45 1.26 0.00	41.82 1.34 0.00	44.44 1.34 0.00	48.05 1.62 0.00	49.87 1.78 0.00	47.19 1.73 0.00	42.75 1.60 0.00	36.57 1.27 0.00	31.70 1.04 0.00
REYNLDPA_13_KV_LD 356490	26.70 -0.22 0.00	24.12 -0.17 0.00	22.04 -0.18 0.00	20.54 -0.14 0.00	21.07 -0.13 0.00	24.97 0.07 0.00	30.49 0.33 0.00	33.76 0.47 0.00	35.33 0.52 0.00	33.98 0.54 0.00	35.86 0.56 0.00	36.36 0.54 0.00	36.70 0.54 0.00	36.78 0.47 0.00	36.39 0.43 0.00	38.61 0.42 0.00	40.93 0.45 0.00	43.58 0.47 0.00	46.79 0.37 0.00	48.33 0.24 0.00	45.65 0.18 0.00	41.39 0.25 0.00	35.55 0.25 0.00	30.69 0.03 0.00
REYNOLDS_115KV_TB3 80639	27.56 0.65 0.00	25.00 0.70 0.00	22.93 0.71 0.00	21.37 0.68 0.00	21.88 0.68 0.00	25.42 0.52 0.00	30.61 0.45 0.00	33.92 0.63 0.00	35.37 0.56 0.00	33.88 0.43 0.00	35.83 0.53 0.00	36.32 0.50 0.00	36.67 0.51 0.00	36.89 0.58 0.00	36.60 0.65 0.00	38.80 0.61 0.00	41.13 0.65 0.00	43.97 0.86 0.00	47.26 0.84 0.00	49.00 0.91 0.00	46.33 0.86 0.00	41.97 0.82 0.00	35.97 0.67 0.00	31.33 0.67 0.00
RIVERBAY____ 323610	28.75 1.83 0.00	25.94 1.65 0.00	23.79 1.58 0.00	22.23 1.55 0.00	22.74 1.55 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.55 2.11 0.00	37.59 2.29 0.00	38.15 2.33 0.00	38.51 2.35 0.00	38.77 2.47 0.00	38.62 2.66 0.00	40.83 2.64 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.39 2.97 0.00	51.17 3.08 0.00	48.33 2.86 0.00	43.78 2.63 0.00	37.52 2.22 0.00	32.71 2.05 0.00
RIVERSDE_115KV_TB3 55908	27.51 0.59 0.00	24.92 0.63 0.00	22.86 0.64 0.00	21.30 0.62 0.00	21.81 0.61 0.00	25.37 0.47 0.00	30.55 0.39 0.00	33.82 0.53 0.00	35.30 0.49 0.00	33.81 0.37 0.00	35.76 0.46 0.00	36.25 0.43 0.00	36.59 0.43 0.00	36.81 0.51 0.00	36.57 0.61 0.00	38.73 0.53 0.00	41.05 0.57 0.00	43.84 0.73 0.00	47.12 0.70 0.00	48.86 0.77 0.00	46.19 0.73 0.00	41.88 0.74 0.00	35.90 0.60 0.00	31.24 0.58 0.00
ROARING___BROOK_WT_PWR 323790	26.60 -0.32 0.00	24.00 -0.29 0.00	21.97 -0.24 0.00	20.48 -0.21 0.00	21.01 -0.19 0.00	24.69 -0.20 0.00	29.98 -0.18 0.00	33.16 -0.13 0.00	34.67 -0.14 0.00	33.25 -0.20 0.00	35.09 -0.21 0.00	35.53 -0.29 0.00	35.83 -0.33 0.00	35.91 -0.40 0.00	35.53 -0.43 0.00	37.77 -0.42 0.00	40.00 -0.48 0.00	42.67 -0.43 0.00	45.87 -0.55 0.00	47.46 -0.63 0.00	44.83 -0.64 0.00	40.53 -0.62 0.00	34.73 -0.57 0.00	30.11 -0.55 0.00



ROCHESRG_115KV_T4 355643	27.43 0.51 0.00	24.73 0.44 0.00	22.37 0.16 0.00	20.74 0.06 0.00	21.24 0.04 0.00	24.92 0.02 0.00	29.64 -0.51 0.00	32.52 -0.77 0.00	34.15 -0.66 0.00	33.25 -0.20 0.00	34.77 -0.53 0.00	35.46 -0.36 0.00	35.84 -0.33 0.00	35.87 -0.44 0.00	35.42 -0.54 0.00	37.81 -0.38 0.00	40.24 -0.24 0.00	42.50 -0.60 0.00	46.28 -0.14 0.00	47.80 -0.29 0.00	45.33 -0.14 0.00	40.69 -0.45 0.00	35.26 -0.04 0.00	30.90 0.25 0.00
ROCHESTER_9_IC 23652	27.64 0.73 0.00	24.90 0.61 0.00	22.53 0.31 0.00	20.89 0.21 0.00	21.39 0.19 0.00	25.09 0.20 0.00	29.79 -0.36 0.00	32.79 -0.50 0.00	34.43 -0.38 0.00	33.55 0.10 0.00	35.12 -0.18 0.00	35.82 0.00 0.00	36.20 0.04 0.00	36.20 -0.11 0.00	35.74 -0.22 0.00	38.15 -0.04 0.00	40.64 0.16 0.00	42.93 -0.17 0.00	46.79 0.37 0.00	48.28 0.19 0.00	45.74 0.27 0.00	41.06 -0.08 0.00	35.62 0.32 0.00	31.18 0.52 0.00
ROCKVIEW_13_KV_LD 356306	28.61 1.70 0.00	25.87 1.58 0.00	23.72 1.51 0.00	22.15 1.47 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.29 2.00 0.00	36.93 2.12 0.00	35.39 1.94 0.00	37.42 2.12 0.00	38.00 2.18 0.00	38.37 2.21 0.00	38.66 2.36 0.00	38.40 2.45 0.00	40.71 2.52 0.00	43.15 2.67 0.00	46.04 2.93 0.00	49.39 2.97 0.00	51.21 3.13 0.00	48.42 2.96 0.00	43.78 2.63 0.00	37.38 2.08 0.00	32.53 1.87 0.00
ROME____115KV_TB2 80656	27.97 1.05 0.00	25.22 0.92 0.00	23.06 0.84 0.00	21.41 0.72 0.00	21.96 0.76 0.00	25.74 0.85 0.00	31.12 0.97 0.00	34.42 1.13 0.00	35.99 1.18 0.00	34.55 1.10 0.00	36.50 1.20 0.00	36.97 1.15 0.00	37.32 1.16 0.00	37.43 1.13 0.00	37.11 1.15 0.00	39.45 1.26 0.00	41.82 1.34 0.00	44.44 1.34 0.00	48.05 1.62 0.00	49.87 1.78 0.00	47.19 1.73 0.00	42.75 1.60 0.00	36.57 1.27 0.00	31.70 1.04 0.00
ROSETON___1 23587	28.21 1.29 0.00	25.46 1.17 0.00	23.41 1.20 0.00	21.84 1.16 0.00	22.38 1.19 0.00	25.94 1.05 0.00	31.21 1.05 0.00	34.75 1.46 0.00	36.20 1.39 0.00	34.75 1.30 0.00	36.64 1.34 0.00	37.29 1.47 0.00	37.71 1.55 0.00	37.83 1.52 0.00	37.50 1.55 0.00	39.87 1.68 0.00	42.31 1.82 0.00	45.22 2.11 0.00	48.51 2.09 0.00	50.20 2.11 0.00	47.51 2.05 0.00	42.95 1.81 0.00	36.89 1.59 0.00	32.07 1.41 0.00
ROSETON___2 23588	28.21 1.29 0.00	25.46 1.17 0.00	23.41 1.20 0.00	21.84 1.16 0.00	22.38 1.19 0.00	25.94 1.05 0.00	31.21 1.05 0.00	34.75 1.46 0.00	36.20 1.39 0.00	34.75 1.30 0.00	36.64 1.34 0.00	37.29 1.47 0.00	37.71 1.55 0.00	37.83 1.52 0.00	37.50 1.55 0.00	39.87 1.68 0.00	42.31 1.82 0.00	45.22 2.11 0.00	48.51 2.09 0.00	50.20 2.11 0.00	47.51 2.05 0.00	42.95 1.81 0.00	36.89 1.59 0.00	32.07 1.41 0.00
ROTTDAM_115KV_TB3 80664	27.86 0.94 0.00	25.19 0.90 0.00	23.06 0.84 0.00	21.47 0.79 0.00	22.00 0.81 0.00	25.64 0.75 0.00	30.94 0.78 0.00	34.22 0.93 0.00	35.75 0.94 0.00	34.25 0.80 0.00	36.22 0.92 0.00	36.82 1.00 0.00	37.14 0.98 0.00	37.32 1.02 0.00	36.96 1.01 0.00	39.18 0.99 0.00	41.53 1.05 0.00	44.27 1.16 0.00	47.67 1.25 0.00	49.48 1.39 0.00	46.78 1.32 0.00	42.38 1.23 0.00	36.36 1.06 0.00	31.64 0.98 0.00
RUSSELL___1 23602	27.78 0.86 0.00	25.02 0.73 0.00	22.64 0.42 0.00	20.97 0.29 0.00	21.49 0.30 0.00	25.19 0.30 0.00	29.92 -0.24 0.00	32.92 -0.37 0.00	34.63 -0.17 0.00	33.71 0.27 0.00	35.33 0.04 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.41 0.11 0.00	35.99 0.04 0.00	38.42 0.23 0.00	40.93 0.45 0.00	43.23 0.13 0.00	47.12 0.70 0.00	48.62 0.53 0.00	46.06 0.59 0.00	41.31 0.16 0.00	35.83 0.53 0.00	31.33 0.67 0.00
RUSSELL___2 23532	27.78 0.86 0.00	25.02 0.73 0.00	22.64 0.42 0.00	20.97 0.29 0.00	21.49 0.30 0.00	25.19 0.30 0.00	29.92 -0.24 0.00	32.92 -0.37 0.00	34.63 -0.17 0.00	33.71 0.27 0.00	35.33 0.04 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.41 0.11 0.00	35.99 0.04 0.00	38.42 0.23 0.00	40.93 0.45 0.00	43.23 0.13 0.00	47.12 0.70 0.00	48.62 0.53 0.00	46.06 0.59 0.00	41.31 0.16 0.00	35.83 0.53 0.00	31.33 0.67 0.00
RUSSELL___3 23549	27.78 0.86 0.00	25.02 0.73 0.00	22.64 0.42 0.00	20.97 0.29 0.00	21.49 0.30 0.00	25.19 0.30 0.00	29.92 -0.24 0.00	32.92 -0.37 0.00	34.63 -0.17 0.00	33.71 0.27 0.00	35.33 0.04 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.41 0.11 0.00	35.99 0.04 0.00	38.42 0.23 0.00	40.93 0.45 0.00	43.23 0.13 0.00	47.12 0.70 0.00	48.62 0.53 0.00	46.06 0.59 0.00	41.31 0.16 0.00	35.83 0.53 0.00	31.33 0.67 0.00
RUSSELL___4 23556	27.78 0.86 0.00	25.02 0.73 0.00	22.64 0.42 0.00	20.97 0.29 0.00	21.49 0.30 0.00	25.19 0.30 0.00	29.92 -0.24 0.00	32.92 -0.37 0.00	34.63 -0.17 0.00	33.71 0.27 0.00	35.33 0.04 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.41 0.11 0.00	35.99 0.04 0.00	38.42 0.23 0.00	40.93 0.45 0.00	43.23 0.13 0.00	47.12 0.70 0.00	48.62 0.53 0.00	46.06 0.59 0.00	41.31 0.16 0.00	35.83 0.53 0.00	31.33 0.67 0.00
RUSSELL___STATION 23914	27.78 0.86 0.00	25.02 0.73 0.00	22.64 0.42 0.00	20.97 0.29 0.00	21.49 0.30 0.00	25.19 0.30 0.00	29.92 -0.24 0.00	32.92 -0.37 0.00	34.63 -0.17 0.00	33.71 0.27 0.00	35.33 0.04 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.41 0.11 0.00	35.99 0.04 0.00	38.42 0.23 0.00	40.93 0.45 0.00	43.23 0.13 0.00	47.12 0.70 0.00	48.62 0.53 0.00	46.06 0.59 0.00	41.31 0.16 0.00	35.83 0.53 0.00	31.33 0.67 0.00
S SALMON___HYD 24043	27.11 0.19 0.00	24.46 0.17 0.00	22.30 0.09 0.00	20.74 0.06 0.00	21.26 0.06 0.00	24.89 0.00 0.00	30.01 -0.15 0.00	33.12 -0.17 0.00	34.64 -0.17 0.00	33.31 -0.13 0.00	35.19 -0.11 0.00	35.61 -0.21 0.00	35.91 -0.25 0.00	36.09 -0.22 0.00	35.71 -0.25 0.00	37.88 -0.31 0.00	40.12 -0.37 0.00	42.63 -0.47 0.00	46.14 -0.28 0.00	47.94 -0.14 0.00	45.38 -0.09 0.00	41.14 0.00 0.00	35.26 -0.04 0.00	30.69 0.03 0.00
S.PERRY__115KV_TB1 80734	28.45 1.53 0.00	25.63 1.34 0.00	23.17 0.96 0.00	21.47 0.79 0.00	22.00 0.81 0.00	25.84 0.95 0.00	30.64 0.48 0.00	33.62 0.33 0.00	35.02 0.21 0.00	33.95 0.50 0.00	35.37 0.07 0.00	36.00 0.18 0.00	36.38 0.22 0.00	36.38 0.07 0.00	35.88 -0.07 0.00	37.24 -0.95 0.00	39.75 -0.73 0.00	42.03 -1.08 0.00	46.28 -0.14 0.00	48.09 0.00 0.00	45.88 0.41 0.00	41.10 -0.04 0.00	36.71 1.41 0.00	32.04 1.38 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	27.48 0.57 0.00	24.78 0.49 0.00	22.28 0.07 0.00	20.64 -0.04 0.00	21.09 -0.11 0.00	24.85 -0.05 0.00	29.28 -0.87 0.00	31.86 -1.43 0.00	33.45 -1.36 0.00	32.84 -0.60 0.00	34.06 -1.24 0.00	34.82 -1.00 0.00	35.26 -0.90 0.00	35.22 -1.09 0.00	34.70 -1.26 0.00	37.16 -1.03 0.00	39.67 -0.81 0.00	41.60 -1.51 0.00	45.59 -0.84 0.00	47.03 -1.06 0.00	44.69 -0.77 0.00	39.99 -1.15 0.00	34.95 -0.35 0.00	30.75 0.09 0.00



SAWYER___23_KV_LOAD 55526	27.48 0.57 0.00	24.78 0.49 0.00	22.28 0.07 0.00	20.64 -0.04 0.00	21.09 -0.11 0.00	24.85 -0.05 0.00	29.28 -0.87 0.00	31.86 -1.43 0.00	33.45 -1.36 0.00	32.84 -0.60 0.00	34.06 -1.24 0.00	34.82 -1.00 0.00	35.26 -0.90 0.00	35.22 -1.09 0.00	34.70 -1.26 0.00	37.16 -1.03 0.00	39.67 -0.81 0.00	41.60 -1.51 0.00	45.59 -0.84 0.00	47.03 -1.06 0.00	44.69 -0.77 0.00	39.99 -1.15 0.00	34.95 -0.35 0.00	30.75 0.09 0.00
SELKIRK___I 23801	27.64 0.73 0.00	25.00 0.70 0.00	22.92 0.71 0.00	21.34 0.66 0.00	21.87 0.68 0.00	25.47 0.57 0.00	30.64 0.48 0.00	33.89 0.60 0.00	35.30 0.49 0.00	33.81 0.37 0.00	35.72 0.43 0.00	36.25 0.43 0.00	36.60 0.44 0.00	36.74 0.44 0.00	36.42 0.47 0.00	38.77 0.57 0.00	41.05 0.57 0.00	43.88 0.78 0.00	47.16 0.74 0.00	48.91 0.82 0.00	46.29 0.82 0.00	41.92 0.78 0.00	36.01 0.71 0.00	31.33 0.67 0.00
SELKIRK___II 23799	27.51 0.59 0.00	24.85 0.56 0.00	22.81 0.60 0.00	21.26 0.58 0.00	21.77 0.57 0.00	25.34 0.45 0.00	30.52 0.36 0.00	33.79 0.50 0.00	35.23 0.42 0.00	33.78 0.33 0.00	35.65 0.35 0.00	36.21 0.39 0.00	36.60 0.44 0.00	36.71 0.40 0.00	36.39 0.43 0.00	38.69 0.50 0.00	41.01 0.52 0.00	43.79 0.69 0.00	47.07 0.65 0.00	48.76 0.67 0.00	46.15 0.68 0.00	41.80 0.66 0.00	35.86 0.56 0.00	31.21 0.55 0.00
SENECA OSWGO___HYD 24041	26.65 -0.27 0.00	24.07 -0.22 0.00	21.95 -0.27 0.00	20.41 -0.27 0.00	20.92 -0.28 0.00	24.50 -0.40 0.00	29.55 -0.60 0.00	32.46 -0.83 0.00	33.97 -0.84 0.00	32.74 -0.70 0.00	34.56 -0.74 0.00	35.07 -0.75 0.00	35.40 -0.76 0.00	35.58 -0.73 0.00	35.24 -0.72 0.00	37.39 -0.80 0.00	39.67 -0.81 0.00	42.11 -0.99 0.00	45.49 -0.93 0.00	47.17 -0.92 0.00	44.65 -0.82 0.00	40.36 -0.78 0.00	34.59 -0.71 0.00	30.17 -0.49 0.00
SENECA___115KV_TB3 355854	27.70 0.78 0.00	24.95 0.66 0.00	22.44 0.22 0.00	20.79 0.10 0.00	21.24 0.04 0.00	25.02 0.12 0.00	29.52 -0.63 0.00	32.12 -1.17 0.00	33.76 -1.04 0.00	33.15 -0.30 0.00	34.42 -0.88 0.00	35.17 -0.64 0.00	35.62 -0.54 0.00	35.62 -0.69 0.00	35.06 -0.90 0.00	37.58 -0.61 0.00	40.16 -0.32 0.00	42.07 -1.03 0.00	46.05 -0.37 0.00	47.56 -0.53 0.00	45.15 -0.32 0.00	40.40 -0.74 0.00	35.26 -0.04 0.00	31.00 0.34 0.00
SENECA___ENERGY 23797	27.32 0.40 0.00	24.73 0.44 0.00	22.39 0.18 0.00	20.81 0.12 0.00	21.32 0.13 0.00	25.02 0.13 0.00	30.07 -0.09 0.00	33.06 -0.23 0.00	34.67 -0.14 0.00	33.51 0.07 0.00	35.33 0.04 0.00	35.86 0.04 0.00	36.20 0.04 0.00	36.49 0.18 0.00	36.10 0.14 0.00	38.27 0.08 0.00	40.64 0.16 0.00	43.02 -0.09 0.00	46.65 0.23 0.00	48.47 0.38 0.00	45.83 0.36 0.00	41.35 0.21 0.00	35.44 0.14 0.00	30.97 0.31 0.00
SHOEMAKER___GT 23640	28.16 1.24 0.00	25.41 1.12 0.00	23.35 1.13 0.00	21.76 1.07 0.00	22.28 1.08 0.00	25.86 0.97 0.00	31.15 0.99 0.00	34.62 1.33 0.00	36.06 1.25 0.00	34.65 1.20 0.00	36.50 1.20 0.00	37.11 1.29 0.00	37.53 1.37 0.00	37.68 1.38 0.00	37.36 1.40 0.00	39.76 1.57 0.00	42.18 1.70 0.00	45.09 1.98 0.00	48.42 1.99 0.00	50.15 2.07 0.00	47.46 2.00 0.00	42.87 1.73 0.00	36.82 1.52 0.00	31.98 1.32 0.00
SHOEMAKR_138KV_BK 111 55601	28.16 1.24 0.00	25.48 1.19 0.00	23.35 1.13 0.00	21.78 1.10 0.00	22.30 1.10 0.00	25.87 0.97 0.00	31.15 1.00 0.00	34.62 1.33 0.00	36.20 1.39 0.00	34.68 1.24 0.00	36.61 1.31 0.00	37.18 1.36 0.00	37.53 1.37 0.00	37.79 1.49 0.00	37.54 1.58 0.00	39.83 1.64 0.00	42.22 1.74 0.00	45.13 2.03 0.00	48.46 2.04 0.00	50.30 2.21 0.00	47.51 2.05 0.00	43.00 1.85 0.00	36.75 1.45 0.00	31.95 1.29 0.00
SHOREHAM_IC_1 23715	29.43 2.50 -0.01	26.41 2.11 -0.01	24.62 2.40 -0.01	22.95 2.25 -0.01	23.68 2.48 -0.01	26.59 1.69 0.00	31.78 1.63 0.00	35.59 2.30 0.00	36.27 1.46 0.00	35.18 1.74 0.00	37.27 1.98 0.00	38.00 2.19 0.00	38.48 2.32 0.00	38.71 2.40 -0.01	38.52 2.55 -0.01	40.71 2.52 0.00	43.57 3.08 -0.01	46.48 3.36 -0.01	50.05 3.62 -0.01	51.21 3.12 0.00	48.61 3.13 -0.01	44.32 3.17 -0.01	38.06 2.76 0.00	33.24 2.58 -0.01
SHOREHAM_IC_2 23716	29.42 2.50 0.00	26.82 2.53 0.00	24.61 2.40 0.00	22.94 2.25 0.00	23.68 2.48 0.00	26.59 1.69 0.00	31.79 1.63 0.00	35.59 2.30 0.00	37.04 2.23 0.00	35.55 2.11 0.00	37.84 2.54 0.00	38.43 2.61 0.00	38.84 2.68 0.00	39.25 2.94 0.00	39.01 3.06 0.00	41.25 3.06 0.00	44.09 3.60 0.00	47.03 3.92 0.00	50.55 4.13 0.00	52.37 4.28 0.00	49.51 4.05 0.00	44.76 3.62 0.00	37.95 2.65 0.00	33.20 2.54 0.00
SISSONVILLE____ 23735	26.78 -0.13 0.00	24.17 -0.12 0.00	22.10 -0.11 0.00	20.58 -0.10 0.00	21.11 -0.08 0.00	25.04 0.15 0.00	30.70 0.54 0.00	34.06 0.77 0.00	35.61 0.80 0.00	34.18 0.74 0.00	36.08 0.78 0.00	36.54 0.72 0.00	36.85 0.69 0.00	36.92 0.62 0.00	36.53 0.58 0.00	38.69 0.50 0.00	40.93 0.45 0.00	43.36 0.26 0.00	46.33 -0.09 0.00	47.94 -0.14 0.00	45.28 -0.18 0.00	41.31 0.16 0.00	35.65 0.35 0.00	30.66 0.00 0.00
SITHE_IND_GS1 24169	26.49 -0.43 0.00	23.93 -0.36 0.00	21.81 -0.40 0.00	20.29 -0.39 0.00	20.79 -0.40 0.00	24.37 -0.52 0.00	29.37 -0.78 0.00	32.19 -1.10 0.00	33.73 -1.08 0.00	32.48 -0.97 0.00	34.24 -1.06 0.00	34.78 -1.04 0.00	35.11 -1.05 0.00	35.29 -1.02 0.00	34.95 -1.01 0.00	37.08 -1.11 0.00	39.35 -1.13 0.00	41.77 -1.34 0.00	45.12 -1.30 0.00	46.79 -1.30 0.00	44.24 -1.23 0.00	39.99 -1.15 0.00	34.31 -0.99 0.00	29.96 -0.70 0.00
SITHE_IND_GS2 24170	26.49 -0.43 0.00	23.93 -0.36 0.00	21.81 -0.40 0.00	20.29 -0.39 0.00	20.79 -0.40 0.00	24.37 -0.52 0.00	29.37 -0.78 0.00	32.19 -1.10 0.00	33.73 -1.08 0.00	32.48 -0.97 0.00	34.24 -1.06 0.00	34.78 -1.04 0.00	35.11 -1.05 0.00	35.29 -1.02 0.00	34.95 -1.01 0.00	37.08 -1.11 0.00	39.35 -1.13 0.00	41.77 -1.34 0.00	45.12 -1.30 0.00	46.79 -1.30 0.00	44.24 -1.23 0.00	39.99 -1.15 0.00	34.31 -0.99 0.00	29.96 -0.70 0.00
SITHE_IND_GS3 24171	26.49 -0.43 0.00	23.93 -0.36 0.00	21.81 -0.40 0.00	20.29 -0.39 0.00	20.79 -0.40 0.00	24.37 -0.52 0.00	29.37 -0.78 0.00	32.19 -1.10 0.00	33.73 -1.08 0.00	32.48 -0.97 0.00	34.24 -1.06 0.00	34.78 -1.04 0.00	35.11 -1.05 0.00	35.29 -1.02 0.00	34.95 -1.01 0.00	37.08 -1.11 0.00	39.35 -1.13 0.00	41.77 -1.34 0.00	45.12 -1.30 0.00	46.79 -1.30 0.00	44.24 -1.23 0.00	39.99 -1.15 0.00	34.31 -0.99 0.00	29.96 -0.70 0.00
SITHE_IND_GS4 24172	26.49 -0.43 0.00	23.93 -0.36 0.00	21.81 -0.40 0.00	20.29 -0.39 0.00	20.79 -0.40 0.00	24.37 -0.52 0.00	29.37 -0.78 0.00	32.19 -1.10 0.00	33.73 -1.08 0.00	32.48 -0.97 0.00	34.24 -1.06 0.00	34.78 -1.04 0.00	35.11 -1.05 0.00	35.29 -1.02 0.00	34.95 -1.01 0.00	37.08 -1.11 0.00	39.35 -1.13 0.00	41.77 -1.34 0.00	45.12 -1.30 0.00	46.79 -1.30 0.00	44.24 -1.23 0.00	39.99 -1.15 0.00	34.31 -0.99 0.00	29.96 -0.70 0.00



SITHE___BATAVIA 24024	28.29 1.37 0.00	25.82 1.53 0.00	22.97 0.76 0.00	21.28 0.60 0.00	21.77 0.57 0.00	25.59 0.70 0.00	30.07 -0.09 0.00	33.12 -0.17 0.00	35.16 0.35 0.00	34.08 0.63 0.00	35.76 0.46 0.00	36.36 0.54 0.00	36.63 0.47 0.00	37.17 0.87 0.00	36.86 0.90 0.00	38.61 0.42 0.00	41.29 0.81 0.00	43.32 0.22 0.00	47.53 1.11 0.00	49.72 1.64 0.00	46.96 1.50 0.00	42.09 0.95 0.00	36.25 0.95 0.00	32.10 1.44 0.00
SITHE___INDEPEND 23800	26.49 -0.43 0.00	23.90 -0.39 0.00	21.81 -0.40 0.00	20.29 -0.39 0.00	20.79 -0.40 0.00	24.37 -0.52 0.00	29.37 -0.78 0.00	32.19 -1.10 0.00	33.69 -1.11 0.00	32.48 -0.97 0.00	34.20 -1.09 0.00	34.74 -1.07 0.00	35.08 -1.08 0.00	35.22 -1.09 0.00	34.84 -1.11 0.00	37.08 -1.11 0.00	39.31 -1.17 0.00	41.77 -1.34 0.00	45.12 -1.30 0.00	46.69 -1.39 0.00	44.19 -1.27 0.00	39.95 -1.19 0.00	34.31 -0.99 0.00	29.98 -0.67 0.00
SITHE___MASSENA 23902	26.70 -0.22 0.00	24.10 -0.20 0.00	22.04 -0.18 0.00	20.54 -0.14 0.00	21.07 -0.13 0.00	24.97 0.07 0.00	30.55 0.39 0.00	33.82 0.53 0.00	35.44 0.63 0.00	34.01 0.57 0.00	35.90 0.60 0.00	36.39 0.57 0.00	36.74 0.58 0.00	36.81 0.51 0.00	36.42 0.47 0.00	38.65 0.46 0.00	40.93 0.45 0.00	43.58 0.48 0.00	46.75 0.33 0.00	48.28 0.19 0.00	45.60 0.14 0.00	41.43 0.29 0.00	35.58 0.28 0.00	30.69 0.03 0.00
SITHE___OGDNSBRG 24021	27.05 0.13 0.00	24.41 0.12 0.00	22.33 0.11 0.00	20.79 0.10 0.00	21.32 0.13 0.00	25.34 0.45 0.00	31.03 0.87 0.00	34.39 1.10 0.00	35.89 1.08 0.00	34.38 0.94 0.00	36.29 0.99 0.00	36.71 0.90 0.00	37.03 0.87 0.00	37.10 0.80 0.00	36.75 0.79 0.00	38.96 0.76 0.00	41.29 0.81 0.00	43.97 0.86 0.00	47.16 0.74 0.00	48.91 0.82 0.00	46.24 0.77 0.00	42.09 0.95 0.00	36.18 0.88 0.00	31.09 0.43 0.00
SITHE___STERLING 23777	27.78 0.86 0.00	25.07 0.78 0.00	22.88 0.67 0.00	21.28 0.60 0.00	21.81 0.62 0.00	25.57 0.67 0.00	30.88 0.72 0.00	34.12 0.83 0.00	35.64 0.83 0.00	34.28 0.84 0.00	36.18 0.88 0.00	36.68 0.86 0.00	37.06 0.90 0.00	37.21 0.91 0.00	36.86 0.90 0.00	39.15 0.96 0.00	41.53 1.05 0.00	44.14 1.03 0.00	47.67 1.25 0.00	49.48 1.40 0.00	46.83 1.36 0.00	42.42 1.28 0.00	36.29 0.99 0.00	31.52 0.86 0.00
SLEIGHT__34_KV_TB1 80719	27.24 0.32 0.00	24.56 0.27 0.00	22.28 0.07 0.00	20.68 0.00 0.00	21.20 0.00 0.00	24.87 -0.02 0.00	29.73 -0.42 0.00	32.72 -0.57 0.00	34.32 -0.49 0.00	33.35 -0.10 0.00	35.02 -0.28 0.00	35.64 -0.18 0.00	36.02 -0.14 0.00	36.05 -0.25 0.00	35.63 -0.32 0.00	38.00 -0.19 0.00	40.40 -0.08 0.00	42.76 -0.34 0.00	46.42 0.00 0.00	47.94 -0.14 0.00	45.42 -0.05 0.00	40.86 -0.29 0.00	35.23 -0.07 0.00	30.78 0.12 0.00
SMITHTWN_69_KV_BK 1 55830	29.56 2.64 0.00	26.82 2.53 0.00	24.59 2.38 0.00	22.92 2.23 0.00	23.55 2.35 0.00	26.84 1.94 0.00	32.21 2.05 0.00	35.99 2.70 0.00	37.31 2.51 0.00	35.85 2.41 0.00	38.12 2.82 0.00	38.72 2.90 0.00	39.23 3.07 0.00	39.65 3.34 0.00	39.44 3.49 0.00	41.71 3.51 0.00	44.49 4.01 0.00	47.50 4.40 0.00	51.06 4.64 0.00	52.90 4.81 0.00	49.97 4.50 0.00	45.18 4.03 0.00	38.34 3.04 0.00	33.57 2.91 0.00
SOUTH CAIRO___GT 23612	28.16 1.24 0.00	25.46 1.17 0.00	23.32 1.11 0.00	21.68 0.99 0.00	22.19 1.00 0.00	25.89 1.00 0.00	31.24 1.09 0.00	34.46 1.17 0.00	35.92 1.11 0.00	34.28 0.84 0.00	36.08 0.78 0.00	36.57 0.75 0.00	36.85 0.69 0.00	37.10 0.80 0.00	36.86 0.90 0.00	39.11 0.92 0.00	41.53 1.05 0.00	44.61 1.51 0.00	48.09 1.67 0.00	50.06 1.97 0.00	47.42 1.96 0.00	42.87 1.73 0.00	36.71 1.41 0.00	31.95 1.29 0.00
SOUTH HAMPTN___IC 23720	29.94 3.01 -0.01	26.87 2.57 -0.01	25.04 2.82 -0.01	23.34 2.65 -0.01	24.05 2.84 -0.01	27.11 2.21 0.00	32.42 2.26 0.00	36.39 3.10 0.00	37.14 2.33 0.00	36.12 2.68 0.00	38.26 2.97 0.00	39.04 3.23 0.00	39.45 3.29 0.00	39.69 3.38 -0.01	39.53 3.56 -0.01	41.74 3.55 0.00	44.74 4.25 -0.01	47.64 4.52 -0.01	51.26 4.83 -0.01	52.37 4.28 0.00	49.70 4.23 -0.01	45.35 4.20 -0.01	38.90 3.60 0.00	34.04 3.37 -0.01
SOUTHDOW_115KV_TB1 355954	27.99 1.08 0.00	25.19 0.90 0.00	22.66 0.44 0.00	21.01 0.33 0.00	21.47 0.28 0.00	25.37 0.47 0.00	30.10 -0.06 0.00	32.86 -0.43 0.00	34.57 -0.24 0.00	33.91 0.47 0.00	35.30 0.00 0.00	36.03 0.21 0.00	36.52 0.36 0.00	36.52 0.22 0.00	35.92 -0.04 0.00	38.50 0.31 0.00	41.13 0.65 0.00	42.97 -0.13 0.00	47.12 0.70 0.00	48.67 0.58 0.00	46.19 0.73 0.00	41.14 0.00 0.00	35.79 0.49 0.00	31.27 0.61 0.00
SOUTHOLD_69_KV_BK 2 55809	30.23 3.31 0.00	27.50 3.21 0.00	25.26 3.04 0.00	23.54 2.85 0.00	24.27 3.07 0.00	27.38 2.49 0.00	32.75 2.59 0.00	36.79 3.50 0.00	38.36 3.55 0.00	36.92 3.48 0.00	39.36 4.06 0.00	39.97 4.16 0.00	40.28 4.12 0.00	40.70 4.39 0.00	40.49 4.53 0.00	42.77 4.58 0.00	45.79 5.30 0.00	48.79 5.69 0.00	52.41 5.99 0.00	54.10 6.01 0.00	51.19 5.73 0.00	46.41 5.27 0.00	39.29 3.99 0.00	34.43 3.77 0.00
SOUTHOLD___IC 23719	30.21 3.28 -0.01	27.12 2.82 -0.01	25.27 3.04 -0.01	23.55 2.86 -0.01	24.28 3.07 -0.01	27.38 2.49 0.00	32.75 2.59 0.00	36.78 3.49 0.00	37.63 2.82 0.00	36.59 3.14 0.00	38.79 3.50 0.00	39.54 3.73 0.00	39.92 3.76 0.00	40.20 3.89 -0.01	40.03 4.06 -0.01	42.28 4.09 0.00	45.31 4.82 -0.01	48.28 5.17 -0.01	51.90 5.48 -0.01	52.94 4.85 0.00	50.25 4.77 -0.01	45.92 4.77 -0.01	39.36 4.06 0.00	34.50 3.83 -0.01
SOUTH_FORK_WT_PWR 323839	30.24 3.31 -0.01	27.12 2.82 -0.01	25.29 3.07 -0.01	23.59 2.90 -0.01	24.30 3.09 -0.01	27.41 2.51 0.00	32.78 2.62 0.00	36.85 3.56 0.00	37.66 2.85 0.00	36.69 3.24 0.00	38.86 3.56 0.00	39.65 3.83 0.00	39.99 3.83 0.00	40.27 3.96 -0.01	40.10 4.13 -0.01	42.32 4.13 0.00	45.39 4.90 -0.01	48.33 5.21 -0.01	51.95 5.52 -0.01	52.94 4.85 0.00	50.20 4.73 -0.01	45.96 4.81 -0.01	39.43 4.13 0.00	34.59 3.93 -0.01
SPIERFLS_115KV_TB 1 80737	28.75 1.83 0.00	26.02 1.72 0.00	23.79 1.58 0.00	22.11 1.43 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.02 1.57 0.00	37.13 1.84 0.00	37.61 1.79 0.00	37.90 1.74 0.00	38.08 1.78 0.00	36.96 1.01 0.00	39.18 0.99 0.00	41.49 1.01 0.00	44.31 1.21 0.00	47.63 1.21 0.00	49.53 1.44 0.00	46.88 1.41 0.00	42.58 1.44 0.00	37.21 1.91 0.00	32.59 1.93 0.00
ST LAWRENCE____ 23600	26.46 -0.46 0.00	23.86 -0.44 0.00	21.81 -0.40 0.00	20.33 -0.35 0.00	20.84 -0.36 0.00	24.69 -0.20 0.00	30.16 0.00 0.00	33.36 0.07 0.00	34.95 0.14 0.00	33.55 0.10 0.00	35.41 0.11 0.00	35.89 0.07 0.00	36.23 0.07 0.00	36.34 0.04 0.00	35.96 0.00 0.00	38.15 -0.04 0.00	40.44 -0.04 0.00	43.06 -0.04 0.00	46.28 -0.14 0.00	47.85 -0.24 0.00	45.24 -0.23 0.00	40.98 -0.16 0.00	35.16 -0.14 0.00	30.35 -0.31 0.00



STATE_CA_115KV_115_LB 55624	27.54 0.62 0.00	24.95 0.66 0.00	22.86 0.64 0.00	21.30 0.62 0.00	21.81 0.61 0.00	25.39 0.50 0.00	30.58 0.42 0.00	33.86 0.57 0.00	35.33 0.52 0.00	33.85 0.40 0.00	35.83 0.53 0.00	36.32 0.50 0.00	36.67 0.51 0.00	36.89 0.58 0.00	36.64 0.68 0.00	38.80 0.61 0.00	41.09 0.61 0.00	43.88 0.78 0.00	47.16 0.74 0.00	48.91 0.82 0.00	46.28 0.82 0.00	41.93 0.78 0.00	35.94 0.64 0.00	31.27 0.61 0.00
STATE_ST_34_KV_LOAD 55959	27.37 0.46 0.00	24.68 0.39 0.00	22.48 0.27 0.00	20.89 0.21 0.00	21.43 0.23 0.00	25.12 0.22 0.00	30.25 0.09 0.00	33.22 -0.07 0.00	34.74 -0.07 0.00	33.61 0.17 0.00	35.40 0.11 0.00	35.96 0.14 0.00	36.34 0.18 0.00	36.45 0.15 0.00	36.06 0.11 0.00	38.42 0.23 0.00	40.81 0.32 0.00	43.28 0.17 0.00	46.84 0.42 0.00	48.52 0.43 0.00	45.97 0.50 0.00	41.43 0.29 0.00	35.58 0.28 0.00	31.00 0.34 0.00
STATION_5_MISC_HYD 23604	27.64 0.73 0.00	25.12 0.83 0.00	22.53 0.31 0.00	20.89 0.21 0.00	21.39 0.19 0.00	25.09 0.20 0.00	29.80 -0.36 0.00	32.79 -0.50 0.00	34.67 -0.14 0.00	33.61 0.17 0.00	35.37 0.07 0.00	35.96 0.14 0.00	36.23 0.07 0.00	36.67 0.36 0.00	36.39 0.43 0.00	38.27 0.08 0.00	40.77 0.29 0.00	42.93 -0.17 0.00	46.79 0.37 0.00	48.76 0.67 0.00	46.06 0.59 0.00	41.35 0.21 0.00	35.62 0.32 0.00	31.37 0.71 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	27.43 0.51 0.00	24.73 0.44 0.00	22.44 0.22 0.00	20.81 0.12 0.00	21.32 0.13 0.00	25.02 0.12 0.00	29.89 -0.27 0.00	32.89 -0.40 0.00	34.46 -0.35 0.00	33.48 0.03 0.00	35.12 -0.18 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.16 -0.15 0.00	35.74 -0.22 0.00	38.12 -0.08 0.00	40.56 0.08 0.00	42.93 -0.17 0.00	46.65 0.23 0.00	48.23 0.14 0.00	45.69 0.23 0.00	41.06 -0.08 0.00	35.44 0.14 0.00	30.97 0.31 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	27.40 0.48 0.00	24.71 0.41 0.00	22.35 0.13 0.00	20.72 0.04 0.00	21.24 0.04 0.00	24.92 0.02 0.00	29.61 -0.54 0.00	32.59 -0.70 0.00	34.22 -0.59 0.00	33.31 -0.13 0.00	34.91 -0.39 0.00	35.60 -0.21 0.00	35.98 -0.18 0.00	35.98 -0.33 0.00	35.53 -0.43 0.00	37.92 -0.27 0.00	40.40 -0.08 0.00	42.67 -0.43 0.00	46.47 0.05 0.00	47.94 -0.14 0.00	45.42 -0.05 0.00	40.77 -0.37 0.00	35.34 0.04 0.00	30.94 0.28 0.00
STA_56___34_KV_BUS2 355983	27.40 0.48 0.00	24.71 0.41 0.00	22.35 0.13 0.00	20.72 0.04 0.00	21.24 0.04 0.00	24.92 0.02 0.00	29.61 -0.54 0.00	32.59 -0.70 0.00	34.22 -0.59 0.00	33.31 -0.13 0.00	34.91 -0.39 0.00	35.60 -0.21 0.00	35.98 -0.18 0.00	35.98 0.00	35.53 -0.43 0.00	37.92 -0.27 0.00	40.40 -0.08 0.00	42.67 -0.43 0.00	46.47 0.05 0.00	47.94 -0.14 0.00	45.42 -0.05 0.00	40.77 -0.37 0.00	35.34 0.04 0.00	30.94 0.28 0.00
STA_67___115KV_BK2 355882	27.59 0.67 0.00	24.85 0.56 0.00	22.48 0.27 0.00	20.85 0.17 0.00	21.35 0.15 0.00	25.04 0.15 0.00	29.76 -0.39 0.00	32.72 -0.57 0.00	34.36 -0.45 0.00	33.48 0.03 0.00	35.02 -0.28 0.00	35.71 -0.11 0.00	36.09 -0.07 0.00	36.09 -0.22 0.00	35.67 -0.29 0.00	38.04 -0.15 0.00	40.52 0.04 0.00	42.80 -0.30 0.00	46.65 0.23 0.00	48.14 0.05 0.00	45.65 0.18 0.00	40.94 -0.21 0.00	35.51 0.21 0.00	31.09 0.43 0.00
STA_7___115KV_9TRANS 80674	27.78 0.86 0.00	25.02 0.73 0.00	22.64 0.42 0.00	20.97 0.29 0.00	21.49 0.30 0.00	25.19 0.30 0.00	29.92 -0.24 0.00	32.92 -0.37 0.00	34.63 -0.17 0.00	33.71 0.27 0.00	35.33 0.04 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.41 0.11 0.00	35.99 0.04 0.00	38.42 0.23 0.00	40.93 0.45 0.00	43.23 0.13 0.00	47.12 0.70 0.00	48.62 0.53 0.00	46.06 0.59 0.00	41.31 0.16 0.00	35.83 0.53 0.00	31.33 0.67 0.00
STA_82___115KV_TB1 80780	27.56 0.65 0.00	24.83 0.53 0.00	22.46 0.24 0.00	20.83 0.14 0.00	21.32 0.13 0.00	25.04 0.15 0.00	29.73 -0.42 0.00	32.69 -0.60 0.00	34.32 -0.49 0.00	33.45 0.00 0.00	34.98 -0.32 0.00	35.68 -0.14 0.00	36.05 -0.11 0.00	36.05 -0.25 0.00	35.60 -0.36 0.00	38.00 -0.19 0.00	40.48 0.00 0.00	42.76 -0.34 0.00	46.56 0.14 0.00	48.09 0.00 0.00	45.60 0.14 0.00	40.90 -0.25 0.00	35.48 0.18 0.00	31.06 0.40 0.00
STEEL___WIND 323596	27.67 0.75 0.00	25.27 0.97 0.00	22.41 0.20 0.00	20.77 0.08 0.00	21.22 0.02 0.00	25.02 0.13 0.00	29.52 -0.63 0.00	32.12 -1.17 0.00	34.11 -0.70 0.00	33.18 -0.27 0.00	34.73 -0.57 0.00	35.35 -0.47 0.00	35.69 -0.47 0.00	36.31 0.00 0.00	35.96 0.00 0.00	37.69 -0.50 0.00	40.36 -0.12 0.00	42.03 -1.08 0.00	46.10 -0.32 0.00	48.09 0.00 0.00	45.33 -0.14 0.00	40.94 -0.20 0.00	35.23 -0.07 0.00	31.27 0.61 0.00
STEPHTWN_115KV_BK_2 55603	27.67 0.75 0.00	25.05 0.75 0.00	22.95 0.73 0.00	21.37 0.68 0.00	21.88 0.68 0.00	25.47 0.57 0.00	30.70 0.54 0.00	33.99 0.70 0.00	35.47 0.66 0.00	33.98 0.54 0.00	35.93 0.64 0.00	36.43 0.61 0.00	36.78 0.61 0.00	36.99 0.69 0.00	36.78 0.83 0.00	39.03 0.84 0.00	41.33 0.85 0.00	44.18 1.08 0.00	47.49 1.07 0.00	49.24 1.15 0.00	46.56 1.09 0.00	42.17 1.03 0.00	36.15 0.85 0.00	31.46 0.80 0.00
STEUBEN_REC_LFGE 323667	27.91 1.00 0.00	25.12 0.83 0.00	22.73 0.51 0.00	21.08 0.39 0.00	21.60 0.40 0.00	25.39 0.50 0.00	30.25 0.09 0.00	33.02 -0.27 0.00	34.46 -0.35 0.00	33.58 0.13 0.00	35.05 -0.25 0.00	35.68 -0.14 0.00	36.09 -0.07 0.00	36.20 -0.11 0.00	35.67 -0.29 0.00	37.92 -0.27 0.00	40.48 0.00 0.00	42.63 -0.47 0.00	46.70 0.28 0.00	48.43 0.34 0.00	45.92 0.45 0.00	41.18 0.04 0.00	35.65 0.35 0.00	31.12 0.46 0.00
STILLWATER___SOLAR 323814	28.37 1.45 0.00	25.63 1.34 0.00	23.50 1.29 0.00	21.86 1.18 0.00	22.40 1.21 0.00	26.07 1.17 0.00	31.39 1.24 0.00	34.75 1.46 0.00	36.27 1.46 0.00	34.68 1.24 0.00	36.71 1.41 0.00	37.21 1.40 0.00	37.28 1.12 0.00	37.39 1.09 0.00	37.11 1.15 0.00	39.56 1.37 0.00	41.86 1.38 0.00	44.74 1.64 0.00	48.14 1.72 0.00	49.96 1.87 0.00	47.29 1.82 0.00	42.79 1.65 0.00	36.68 1.38 0.00	32.19 1.53 0.00
STONY___BROOK 24151	29.59 2.67 -0.01	26.56 2.26 -0.01	24.62 2.40 -0.01	22.97 2.28 -0.01	23.60 2.39 -0.01	26.84 1.94 0.00	32.21 2.05 0.00	35.99 2.70 0.00	36.55 1.74 0.00	35.49 2.04 0.00	37.52 2.23 0.00	38.26 2.44 0.00	38.95 2.78 0.00	39.18 2.87 -0.01	38.99 3.02 -0.01	41.21 3.02 0.00	44.09 3.60 -0.01	47.03 3.92 -0.01	50.61 4.18 -0.01	51.84 3.75 0.00	49.20 3.73 -0.01	44.81 3.66 -0.01	38.44 3.14 0.00	33.64 2.97 -0.01
STURGEON_POOL_HYD 23609	28.29 1.37 0.00	25.60 1.31 0.00	23.46 1.24 0.00	21.88 1.20 0.00	22.41 1.21 0.00	25.99 1.10 0.00	31.27 1.12 0.00	34.79 1.50 0.00	36.38 1.57 0.00	34.85 1.40 0.00	36.75 1.45 0.00	37.36 1.54 0.00	37.72 1.55 0.00	37.98 1.67 0.00	37.72 1.76 0.00	40.02 1.83 0.00	42.47 1.98 0.00	45.39 2.28 0.00	48.74 2.32 0.00	50.59 2.50 0.00	47.78 2.32 0.00	43.20 2.06 0.00	36.92 1.62 0.00	32.10 1.44 0.00



ST_LAW_115_BK7_LBMP 345037	26.43 -0.48 0.00	23.83 -0.46 0.00	21.81 -0.40 0.00	20.31 -0.37 0.00	20.84 -0.36 0.00	24.69 -0.20 0.00	30.19 0.03 0.00	33.39 0.10 0.00	34.95 0.14 0.00	33.58 0.13 0.00	35.44 0.14 0.00	35.93 0.11 0.00	36.23 0.07 0.00	36.34 0.04 0.00	35.99 0.04 0.00	38.19 0.00 0.00	40.44 -0.04 0.00	43.06 -0.04 0.00	46.28 -0.14 0.00	47.85 0.00 0.00	45.20 -0.27 0.00	40.98 -0.16 0.00	35.19 -0.11 0.00	30.35 -0.31 0.00
ST_LAW_115_BK8_LBMP 345038	26.43 -0.48 0.00	23.83 -0.46 0.00	21.81 -0.40 0.00	20.31 -0.37 0.00	20.84 -0.36 0.00	24.69 -0.20 0.00	30.19 0.03 0.00	33.39 0.10 0.00	34.95 0.14 0.00	33.58 0.13 0.00	35.44 0.14 0.00	35.93 0.11 0.00	36.23 0.07 0.00	36.34 0.04 0.00	35.99 0.04 0.00	38.19 0.00 0.00	40.44 -0.04 0.00	43.06 -0.04 0.00	46.28 -0.14 0.00	47.85 -0.24 0.00	45.20 -0.27 0.00	40.98 -0.16 0.00	35.19 -0.11 0.00	30.35 -0.31 0.00
ST_LAW_230_BK5_LBMP 345035	26.46 -0.46 0.00	23.86 -0.44 0.00	21.81 -0.40 0.00	20.33 -0.35 0.00	20.84 -0.36 0.00	24.69 -0.20 0.00	30.16 0.00 0.00	33.36 0.07 0.00	34.95 0.14 0.00	33.55 0.10 0.00	35.41 0.11 0.00	35.89 0.07 0.00	36.23 0.07 0.00	36.34 0.04 0.00	35.96 0.00 0.00	38.15 -0.04 0.00	40.44 -0.04 0.00	43.06 -0.04 0.00	46.28 -0.14 0.00	47.85 -0.24 0.00	45.24 -0.23 0.00	40.98 -0.16 0.00	35.16 -0.14 0.00	30.35 -0.31 0.00
ST_LAW_230_BK6_LBMP 345036	26.46 -0.46 0.00	23.86 -0.44 0.00	21.81 -0.40 0.00	20.33 -0.35 0.00	20.84 -0.36 0.00	24.69 -0.20 0.00	30.16 0.00 0.00	33.36 0.07 0.00	34.95 0.14 0.00	33.55 0.10 0.00	35.41 0.11 0.00	35.89 0.07 0.00	36.23 0.07 0.00	36.34 0.04 0.00	35.96 0.00 0.00	38.15 -0.04 0.00	40.44 -0.04 0.00	43.06 -0.04 0.00	46.28 -0.14 0.00	47.85 -0.24 0.00	45.24 -0.23 0.00	40.98 -0.16 0.00	35.16 -0.14 0.00	30.35 -0.31 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	28.26 1.35 0.00	25.58 1.29 0.00	23.44 1.22 0.00	21.86 1.18 0.00	22.38 1.19 0.00	25.97 1.07 0.00	31.27 1.12 0.00	34.79 1.50 0.00	36.38 1.57 0.00	34.85 1.40 0.00	36.78 1.48 0.00	37.40 1.58 0.00	37.75 1.59 0.00	38.01 1.71 0.00	37.75 1.80 0.00	40.02 1.83 0.00	42.47 1.98 0.00	45.35 2.24 0.00	48.70 2.27 0.00	50.54 2.45 0.00	47.74 2.27 0.00	43.16 2.02 0.00	36.89 1.59 0.00	32.07 1.41 0.00
SWANROAD_115KV_TB1 355699	27.27 0.35 0.00	24.66 0.36 0.00	22.15 -0.07 0.00	20.52 -0.17 0.00	20.96 -0.23 0.00	24.70 -0.20 0.00	28.92 -1.24 0.00	31.39 -1.90 0.00	33.00 -1.81 0.00	32.38 -1.07 0.00	33.53 -1.76 0.00	34.31 -1.50 0.00	34.75 -1.41 0.00	34.67 -1.63 0.00	34.16 -1.80 0.00	36.59 -1.60 0.00	39.07 -1.42 0.00	40.95 -2.16 0.00	44.94 -1.49 0.00	46.36 -1.73 0.00	44.06 -1.41 0.00	39.46 -1.69 0.00	34.52 -0.78 0.00	30.41 -0.25 0.00
SYNERGY___BIOGAS 323694	28.29 1.37 0.00	25.51 1.21 0.00	22.97 0.76 0.00	21.28 0.60 0.00	21.77 0.57 0.00	25.59 0.70 0.00	30.07 -0.09 0.00	33.12 -0.17 0.00	34.81 0.00 0.00	34.01 0.57 0.00	35.40 0.11 0.00	36.14 0.32 0.00	36.56 0.40 0.00	36.49 0.18 0.00	35.92 -0.04 0.00	38.46 0.27 0.00	41.09 0.61 0.00	43.28 0.17 0.00	47.49 1.07 0.00	49.00 0.91 0.00	46.56 1.09 0.00	41.60 0.45 0.00	36.25 0.95 0.00	31.79 1.13 0.00
SYRACUSE___ENERGY_ST1 323597	27.16 0.24 0.00	24.49 0.19 0.00	22.35 0.13 0.00	20.77 0.08 0.00	21.30 0.11 0.00	24.94 0.05 0.00	30.07 -0.09 0.00	33.06 -0.23 0.00	34.57 -0.24 0.00	33.38 -0.07 0.00	35.19 -0.11 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.23 -0.07 0.00	35.85 -0.11 0.00	38.15 -0.04 0.00	40.48 0.00 0.00	42.97 -0.13 0.00	46.42 0.00 0.00	48.04 -0.05 0.00	45.47 0.00 0.00	41.06 -0.08 0.00	35.26 -0.04 0.00	30.75 0.09 0.00
SYRACUSE___ENERGY_ST2 323598	27.16 0.24 0.00	24.49 0.19 0.00	22.35 0.13 0.00	20.77 0.08 0.00	21.30 0.11 0.00	24.94 0.05 0.00	30.07 -0.09 0.00	33.06 -0.23 0.00	34.57 -0.24 0.00	33.38 -0.07 0.00	35.19 -0.11 0.00	35.75 -0.07 0.00	36.12 -0.04 0.00	36.23 -0.07 0.00	35.85 -0.11 0.00	38.15 -0.04 0.00	40.48 0.00 0.00	42.97 -0.13 0.00	46.42 0.00 0.00	48.04 -0.05 0.00	45.47 0.00 0.00	41.06 -0.08 0.00	35.26 -0.04 0.00	30.75 0.09 0.00
SYRACUSE___POWER 24017	27.11 0.19 0.00	24.46 0.17 0.00	22.30 0.09 0.00	20.74 0.06 0.00	21.26 0.06 0.00	24.89 0.00 0.00	30.04 -0.12 0.00	33.02 -0.27 0.00	34.53 -0.28 0.00	33.35 -0.10 0.00	35.16 -0.14 0.00	35.68 -0.14 0.00	36.05 -0.11 0.00	36.20 -0.11 0.00	35.81 -0.14 0.00	38.12 -0.08 0.00	40.40 -0.08 0.00	42.89 -0.22 0.00	46.33 -0.09 0.00	47.99 -0.10 0.00	45.42 -0.05 0.00	41.02 -0.12 0.00	35.19 -0.11 0.00	30.69 0.03 0.00
TALLMAN_138KV_BK151 55660	28.42 1.51 0.00	25.73 1.43 0.00	23.57 1.36 0.00	22.01 1.32 0.00	22.53 1.34 0.00	26.11 1.22 0.00	31.45 1.30 0.00	35.02 1.73 0.00	36.58 1.78 0.00	35.05 1.61 0.00	37.03 1.73 0.00	37.65 1.83 0.00	38.00 1.84 0.00	38.30 2.00 0.00	38.04 2.09 0.00	40.33 2.14 0.00	42.75 2.27 0.00	45.65 2.54 0.00	49.02 2.60 0.00	50.88 2.79 0.00	48.01 2.55 0.00	43.45 2.30 0.00	37.14 1.84 0.00	32.25 1.59 0.00
TEALLAVE_115KV_TB7 355573	27.02 0.11 0.00	24.39 0.10 0.00	22.24 0.02 0.00	20.68 0.00 0.00	21.20 0.00 0.00	24.85 -0.05 0.00	29.92 -0.24 0.00	32.89 -0.40 0.00	34.43 -0.38 0.00	33.21 -0.23 0.00	35.02 -0.28 0.00	35.57 -0.25 0.00	35.94 -0.22 0.00	36.05 -0.25 0.00	35.67 -0.29 0.00	37.96 -0.23 0.00	40.28 -0.20 0.00	42.72 -0.39 0.00	46.14 -0.28 0.00	47.80 -0.29 0.00	45.24 -0.23 0.00	40.86 -0.29 0.00	35.09 -0.21 0.00	30.60 -0.06 0.00
TELGRAPH_34_KV_EAST 80808	27.78 0.86 0.00	25.09 0.80 0.00	22.55 0.33 0.00	20.89 0.21 0.00	21.37 0.17 0.00	25.14 0.25 0.00	29.52 -0.63 0.00	32.32 -0.97 0.00	34.01 -0.80 0.00	33.31 -0.13 0.00	34.59 -0.71 0.00	35.35 -0.47 0.00	35.76 -0.40 0.00	35.72 -0.58 0.00	35.09 -0.86 0.00	37.58 -0.61 0.00	40.16 -0.32 0.00	42.16 -0.95 0.00	46.19 -0.23 0.00	47.66 -0.43 0.00	45.28 -0.18 0.00	40.53 -0.62 0.00	35.41 0.11 0.00	31.12 0.46 0.00
TEMPLE___115KV_TB 2 55572	27.05 0.13 0.00	24.39 0.10 0.00	22.26 0.04 0.00	20.70 0.02 0.00	21.22 0.02 0.00	24.85 -0.05 0.00	29.95 -0.21 0.00	32.92 -0.37 0.00	34.43 -0.38 0.00	33.25 -0.20 0.00	35.05 -0.25 0.00	35.60 -0.21 0.00	35.98 -0.18 0.00	36.09 -0.22 0.00	35.70 -0.25 0.00	38.00 -0.19 0.00	40.28 -0.20 0.00	42.76 -0.34 0.00	46.19 -0.23 0.00	47.80 -0.29 0.00	45.28 -0.18 0.00	40.90 -0.25 0.00	35.09 -0.21 0.00	30.63 -0.03 0.00
TIANA___69_KV_BK 1 55817	29.82 2.91 0.00	27.16 2.87 0.00	24.92 2.71 0.00	23.23 2.54 0.00	23.95 2.76 0.00	26.99 2.09 0.00	32.30 2.14 0.00	36.22 2.93 0.00	37.73 2.92 0.00	36.26 2.81 0.00	38.62 3.32 0.00	39.26 3.44 0.00	39.60 3.44 0.00	40.01 3.70 0.00	39.80 3.85 0.00	42.05 3.86 0.00	44.98 4.49 0.00	47.93 4.83 0.00	51.53 5.11 0.00	53.33 5.24 0.00	50.38 4.91 0.00	45.63 4.48 0.00	38.65 3.35 0.00	33.82 3.16 0.00



TILDEN___115KV_TB1 80814	27.11 0.19 0.00	24.46 0.17 0.00	22.30 0.09 0.00	20.74 0.06 0.00	21.26 0.06 0.00	24.89 0.00 0.00	30.04 -0.12 0.00	33.02 -0.27 0.00	34.53 -0.28 0.00	33.35 -0.10 0.00	35.16 -0.14 0.00	35.68 -0.14 0.00	36.05 -0.11 0.00	36.20 -0.11 0.00	35.81 -0.14 0.00	38.12 -0.08 0.00	40.40 -0.08 0.00	42.89 -0.22 0.00	46.33 -0.09 0.00	47.99 -0.10 0.00	45.42 -0.05 0.00	41.02 -0.12 0.00	35.19 -0.11 0.00	30.69 0.03 0.00
TRIGEN___CC 323695	29.04 2.13 0.00	26.26 1.97 0.00	24.08 1.87 0.00	22.48 1.80 0.00	23.02 1.82 0.00	26.51 1.62 0.00	31.88 1.72 0.00	35.52 2.23 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.73 2.44 0.00	38.33 2.51 0.00	38.66 2.50 0.00	38.99 2.69 0.00	38.73 2.77 0.00	41.02 2.83 0.00	43.60 3.12 0.00	46.51 3.41 0.00	49.95 3.53 0.00	51.84 3.75 0.00	48.92 3.46 0.00	44.27 3.13 0.00	37.74 2.44 0.00	32.96 2.30 0.00
TRINITY__115KV__4 BK 55933	27.43 0.51 0.00	24.88 0.58 0.00	22.79 0.58 0.00	21.24 0.56 0.00	21.75 0.55 0.00	25.29 0.40 0.00	30.46 0.30 0.00	33.72 0.43 0.00	35.19 0.38 0.00	33.71 0.27 0.00	35.65 0.35 0.00	36.18 0.36 0.00	36.49 0.33 0.00	36.70 0.40 0.00	36.46 0.50 0.00	38.61 0.42 0.00	40.93 0.45 0.00	43.71 0.60 0.00	46.98 0.56 0.00	48.71 0.63 0.00	46.10 0.64 0.00	41.76 0.62 0.00	35.79 0.49 0.00	31.18 0.52 0.00
UNION___PROCESSING_DRP 323587	27.56 0.65 0.00	24.85 0.56 0.00	22.46 0.24 0.00	20.83 0.14 0.00	21.32 0.13 0.00	25.04 0.15 0.00	29.73 -0.42 0.00	32.69 -0.60 0.00	34.32 -0.49 0.00	33.45 0.00 0.00	34.98 -0.32 0.00	35.68 -0.14 0.00	36.05 -0.11 0.00	36.05 -0.25 0.00	35.63 -0.32 0.00	38.00 -0.19 0.00	40.48 0.00 0.00	42.76 -0.34 0.00	46.61 0.19 0.00	48.09 0.00 0.00	45.60 0.14 0.00	40.94 -0.21 0.00	35.48 0.18 0.00	31.09 0.43 0.00
UPPER HUDSON___HYD 24058	28.75 1.83 0.00	25.99 1.70 0.00	23.79 1.58 0.00	22.11 1.43 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.02 1.73 0.00	36.58 1.77 0.00	34.99 1.54 0.00	37.10 1.80 0.00	37.61 1.79 0.00	36.96 0.79 0.00	37.07 0.76 0.00	36.82 0.86 0.00	39.30 1.11 0.00	41.45 0.97 0.00	44.31 1.21 0.00	47.63 1.20 0.00	49.48 1.40 0.00	46.88 1.41 0.00	42.38 1.23 0.00	36.29 0.99 0.00	32.62 1.96 0.00
UPPER RAQUET___HYD 24056	26.78 -0.13 0.00	24.15 -0.14 0.00	22.10 -0.11 0.00	20.58 -0.10 0.00	21.11 -0.08 0.00	25.05 0.15 0.00	30.70 0.54 0.00	34.06 0.77 0.00	35.64 0.83 0.00	34.18 0.73 0.00	36.07 0.78 0.00	36.54 0.72 0.00	36.85 0.69 0.00	36.88 0.58 0.00	36.50 0.54 0.00	38.69 0.50 0.00	40.93 0.45 0.00	43.36 0.26 0.00	46.37 -0.05 0.00	47.90 -0.19 0.00	45.29 -0.18 0.00	41.31 0.17 0.00	35.65 0.35 0.00	30.69 0.03 0.00
VALLEY44_115KV_TB2 355964	27.48 0.57 0.00	24.80 0.51 0.00	22.33 0.11 0.00	20.70 0.02 0.00	21.18 -0.02 0.00	24.92 0.02 0.00	29.52 -0.63 0.00	32.06 -1.23 0.00	33.45 -1.36 0.00	32.71 -0.74 0.00	34.03 -1.27 0.00	34.71 -1.11 0.00	35.15 -1.01 0.00	35.22 -1.09 0.00	34.73 -1.22 0.00	37.20 -0.99 0.00	39.71 -0.77 0.00	41.68 -1.42 0.00	45.68 -0.74 0.00	47.51 -0.58 0.00	44.88 -0.59 0.00	40.16 -0.99 0.00	34.91 -0.39 0.00	30.57 -0.09 0.00
VALLEY___115KV_TB 1-4 80826	26.84 -0.08 0.00	24.22 -0.07 0.00	22.15 -0.07 0.00	20.62 -0.06 0.00	21.13 -0.06 0.00	24.75 -0.15 0.00	29.95 -0.21 0.00	33.09 -0.20 0.00	34.57 -0.24 0.00	33.18 -0.27 0.00	35.02 -0.28 0.00	35.50 -0.32 0.00	35.84 -0.33 0.00	35.98 -0.33 0.00	35.63 -0.32 0.00	37.85 -0.34 0.00	40.08 -0.40 0.00	42.63 -0.47 0.00	45.91 -0.51 0.00	47.56 -0.53 0.00	45.01 -0.45 0.00	40.77 -0.37 0.00	34.98 -0.32 0.00	30.44 -0.21 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	28.18 1.27 0.00	25.46 1.17 0.00	23.30 1.09 0.00	21.70 1.01 0.00	22.24 1.04 0.00	25.92 1.02 0.00	31.24 1.09 0.00	34.65 1.36 0.00	36.27 1.46 0.00	34.82 1.37 0.00	36.78 1.48 0.00	37.32 1.50 0.00	37.72 1.55 0.00	37.87 1.56 0.00	37.54 1.58 0.00	39.91 1.72 0.00	42.26 1.78 0.00	44.91 1.81 0.00	48.42 2.00 0.00	50.20 2.12 0.00	47.42 1.96 0.00	42.95 1.81 0.00	36.78 1.48 0.00	31.95 1.29 0.00
VISCHER___FERRY HYD 24020	27.91 1.00 0.00	25.24 0.95 0.00	23.19 0.98 0.00	21.61 0.93 0.00	22.13 0.93 0.00	25.72 0.82 0.00	31.00 0.84 0.00	34.36 1.07 0.00	35.78 0.97 0.00	34.25 0.80 0.00	36.22 0.92 0.00	36.75 0.93 0.00	37.03 0.87 0.00	37.14 0.84 0.00	36.78 0.83 0.00	39.22 1.03 0.00	41.53 1.05 0.00	44.44 1.34 0.00	47.77 1.35 0.00	49.48 1.40 0.00	46.83 1.36 0.00	42.42 1.28 0.00	36.36 1.06 0.00	31.73 1.07 0.00
V_A_10_SYNC_DSASP 323832	27.29 0.38 0.00	24.63 0.34 0.00	22.19 -0.02 0.00	20.56 -0.12 0.00	21.03 -0.17 0.00	24.75 -0.15 0.00	29.28 -0.87 0.00	31.93 -1.36 0.00	33.49 -1.32 0.00	32.74 -0.70 0.00	34.03 -1.27 0.00	34.78 -1.04 0.00	35.18 -0.98 0.00	35.14 -1.16 0.00	34.66 -1.29 0.00	37.05 -1.15 0.00	39.51 -0.97 0.00	41.55 -1.55 0.00	45.40 -1.02 0.00	46.93 -1.15 0.00	44.56 -0.91 0.00	39.95 -1.19 0.00	34.81 -0.49 0.00	30.60 -0.06 0.00
V_CMM_10_SYNC_DSASP 323787	26.57 -0.35 0.00	23.95 -0.34 0.00	21.92 -0.29 0.00	20.41 -0.27 0.00	20.94 -0.25 0.00	24.82 -0.07 0.00	30.34 0.18 0.00	33.59 0.30 0.00	35.16 0.35 0.00	33.78 0.33 0.00	35.65 0.35 0.00	36.14 0.32 0.00	36.49 0.32 0.00	36.56 0.26 0.00	36.17 0.22 0.00	38.42 0.23 0.00	40.69 0.20 0.00	43.32 0.22 0.00	46.56 0.14 0.00	48.09 0.00 0.00	45.42 -0.05 0.00	41.18 0.04 0.00	35.37 0.07 0.00	30.51 -0.15 0.00
V_CMP_10_SYNC_DSASP 323788	26.81 -0.11 0.00	24.20 -0.10 0.00	22.13 -0.09 0.00	20.62 -0.06 0.00	21.15 -0.04 0.00	25.09 0.20 0.00	30.67 0.51 0.00	34.02 0.73 0.00	35.71 0.90 0.00	34.31 0.87 0.00	36.18 0.88 0.00	36.68 0.86 0.00	36.99 0.83 0.00	37.03 0.73 0.00	36.64 0.68 0.00	38.80 0.61 0.00	41.01 0.52 0.00	43.71 0.60 0.00	47.02 0.60 0.00	48.52 0.43 0.00	45.79 0.32 0.00	41.39 0.25 0.00	35.51 0.21 0.00	30.63 -0.03 0.00
V_D_10_SYNC_DSASP 323841	26.70 -0.22 0.00	24.10 -0.20 0.00	22.04 -0.18 0.00	20.52 -0.17 0.00	21.05 -0.15 0.00	24.97 0.07 0.00	30.55 0.39 0.00	33.82 0.53 0.00	35.44 0.63 0.00	34.01 0.57 0.00	35.90 0.60 0.00	36.39 0.57 0.00	36.74 0.58 0.00	36.81 0.51 0.00	36.42 0.47 0.00	38.65 0.46 0.00	40.93 0.45 0.00	43.58 0.48 0.00	46.75 0.33 0.00	48.28 0.19 0.00	45.60 0.14 0.00	41.43 0.29 0.00	35.58 0.28 0.00	30.69 0.03 0.00
V_E_10_SYNC_DSASP 323830	28.91 1.99 0.00	26.09 1.80 0.00	23.81 1.60 0.00	22.11 1.43 0.00	22.70 1.51 0.00	26.56 1.67 0.00	32.06 1.90 0.00	35.49 2.20 0.00	37.04 2.23 0.00	35.55 2.11 0.00	37.45 2.15 0.00	37.86 2.04 0.00	38.26 2.10 0.00	38.34 2.03 0.00	38.01 2.05 0.00	40.44 2.25 0.00	42.87 2.39 0.00	45.47 2.37 0.00	49.35 2.93 0.00	51.45 3.37 0.00	48.69 3.23 0.00	44.11 2.96 0.00	37.59 2.29 0.00	32.65 1.99 0.00



V_F_30_NSYNC___DSASP 323816	28.40 1.48 0.00	25.65 1.36 0.00	23.52 1.31 0.00	21.88 1.20 0.00	22.43 1.23 0.00	26.09 1.19 0.00	31.45 1.30 0.00	34.79 1.50 0.00	36.30 1.50 0.00	34.75 1.30 0.00	36.78 1.48 0.00	37.32 1.50 0.00	37.35 1.19 0.00	37.50 1.20 0.00	37.18 1.22 0.00	39.64 1.45 0.00	41.94 1.46 0.00	44.83 1.73 0.00	48.18 1.76 0.00	50.01 1.93 0.00	47.33 1.86 0.00	42.87 1.73 0.00	36.71 1.41 0.00	32.25 1.59 0.00
V_F_30_SYNC_DSASP 323786	27.54 0.62 0.00	24.95 0.66 0.00	22.86 0.64 0.00	21.30 0.62 0.00	21.81 0.61 0.00	25.39 0.50 0.00	30.58 0.42 0.00	33.82 0.53 0.00	35.33 0.52 0.00	33.85 0.40 0.00	35.83 0.53 0.00	36.32 0.50 0.00	36.67 0.51 0.00	36.89 0.58 0.00	36.64 0.68 0.00	38.80 0.61 0.00	41.09 0.61 0.00	43.88 0.78 0.00	47.16 0.74 0.00	48.91 0.82 0.00	46.28 0.82 0.00	41.93 0.78 0.00	35.94 0.64 0.00	31.27 0.61 0.00
V_XM_10_SYNC_DSASP 323789	26.81 -0.11 0.00	24.20 -0.10 0.00	22.13 -0.09 0.00	20.62 -0.06 0.00	21.15 -0.04 0.00	25.09 0.20 0.00	30.67 0.51 0.00	34.02 0.73 0.00	35.71 0.90 0.00	34.31 0.87 0.00	36.18 0.88 0.00	36.68 0.86 0.00	36.99 0.83 0.00	37.03 0.73 0.00	36.64 0.68 0.00	38.80 0.61 0.00	41.01 0.52 0.00	43.71 0.60 0.00	47.02 0.60 0.00	48.52 0.43 0.00	45.79 0.32 0.00	41.39 0.25 0.00	35.51 0.21 0.00	30.63 -0.03 0.00
W.BABYLN_69_KV_BK1 56697	29.69 2.77 0.00	26.89 2.60 0.00	24.64 2.42 0.00	22.98 2.30 0.00	23.57 2.37 0.00	26.99 2.09 0.00	32.42 2.26 0.00	36.22 2.93 0.00	37.70 2.89 0.00	36.19 2.74 0.00	38.48 3.18 0.00	39.08 3.26 0.00	39.45 3.29 0.00	39.83 3.52 0.00	39.59 3.63 0.00	41.86 3.67 0.00	44.65 4.17 0.00	47.67 4.57 0.00	51.29 4.87 0.00	53.19 5.10 0.00	50.24 4.77 0.00	45.46 4.32 0.00	38.58 3.28 0.00	33.76 3.10 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	28.51 1.59 0.00	25.77 1.48 0.00	23.64 1.42 0.00	22.05 1.37 0.00	22.57 1.38 0.00	26.16 1.27 0.00	31.51 1.36 0.00	35.09 1.80 0.00	36.69 1.88 0.00	35.15 1.71 0.00	37.13 1.84 0.00	37.75 1.93 0.00	38.11 1.95 0.00	38.37 2.07 0.00	38.15 2.19 0.00	40.45 2.25 0.00	42.87 2.39 0.00	45.78 2.67 0.00	49.16 2.74 0.00	51.02 2.93 0.00	48.19 2.73 0.00	43.57 2.43 0.00	37.21 1.91 0.00	32.35 1.69 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	28.67 1.75 0.00	25.92 1.63 0.00	23.75 1.53 0.00	22.17 1.49 0.00	22.70 1.50 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.35 2.06 0.00	37.07 2.26 0.00	35.52 2.07 0.00	37.52 2.22 0.00	38.11 2.29 0.00	38.47 2.31 0.00	38.77 2.47 0.00	38.51 2.55 0.00	40.79 2.60 0.00	43.19 2.71 0.00	46.12 3.02 0.00	49.48 3.06 0.00	51.26 3.17 0.00	48.42 2.96 0.00	43.82 2.67 0.00	37.45 2.15 0.00	32.59 1.93 0.00
W50THST__13_KV_LOAD 356117	28.80 1.88 0.00	26.02 1.72 0.00	23.86 1.64 0.00	22.28 1.59 0.00	22.81 1.61 0.00	26.44 1.54 0.00	31.91 1.75 0.00	35.59 2.30 0.00	37.31 2.51 0.00	35.75 2.31 0.00	37.73 2.44 0.00	38.36 2.54 0.00	38.73 2.57 0.00	39.03 2.72 0.00	38.76 2.80 0.00	41.06 2.86 0.00	43.48 3.00 0.00	46.42 3.32 0.00	49.76 3.34 0.00	51.55 3.46 0.00	48.69 3.23 0.00	44.02 2.88 0.00	37.63 2.33 0.00	32.74 2.08 0.00
WADING RIVER_IC_1 23522	29.40 2.47 -0.01	26.39 2.09 -0.01	24.62 2.40 -0.01	22.95 2.25 -0.01	23.68 2.48 -0.01	26.56 1.67 0.00	31.72 1.57 0.00	35.55 2.26 0.00	36.24 1.43 0.00	35.15 1.70 0.00	37.24 1.94 0.00	37.93 2.11 0.00	38.44 2.28 0.00	38.67 2.36 -0.01	38.48 2.52 -0.01	40.71 2.52 0.00	43.53 3.04 -0.01	46.43 3.32 -0.01	49.96 3.53 -0.01	51.12 3.03 0.00	48.52 3.05 -0.01	44.28 3.13 -0.01	37.98 2.68 0.00	33.21 2.54 -0.01
WADING RIVER_IC_2 23547	29.40 2.47 -0.01	26.39 2.09 -0.01	24.62 2.40 -0.01	22.95 2.25 -0.01	23.68 2.48 -0.01	26.56 1.67 0.00	31.72 1.57 0.00	35.55 2.26 0.00	36.24 1.43 0.00	35.15 1.70 0.00	37.24 1.94 0.00	37.93 2.11 0.00	38.44 2.28 0.00	38.67 2.36 -0.01	38.48 2.52 -0.01	40.71 2.52 0.00	43.53 3.04 -0.01	46.43 3.32 -0.01	49.96 3.53 -0.01	51.12 3.03 0.00	48.52 3.05 -0.01	44.28 3.13 -0.01	37.98 2.68 0.00	33.21 2.54 -0.01
WADING RIVER_IC_3 23601	29.40 2.47 -0.01	26.39 2.09 -0.01	24.62 2.40 -0.01	22.95 2.25 -0.01	23.68 2.48 -0.01	26.56 1.67 0.00	31.72 1.57 0.00	35.55 2.26 0.00	36.24 1.43 0.00	35.15 1.70 0.00	37.24 1.94 0.00	37.93 2.11 0.00	38.44 2.28 0.00	38.67 2.36 -0.01	38.48 2.52 -0.01	40.71 2.52 0.00	43.53 3.04 -0.01	46.43 3.32 -0.01	49.96 3.53 -0.01	51.12 3.03 0.00	48.52 3.05 -0.01	44.28 3.13 -0.01	37.98 2.68 0.00	33.21 2.54 -0.01
WALDENNY_12_KV_BK2 80841	27.72 0.81 0.00	24.97 0.68 0.00	22.46 0.24 0.00	20.81 0.12 0.00	21.26 0.06 0.00	25.04 0.15 0.00	29.55 -0.60 0.00	32.16 -1.13 0.00	33.80 -1.01 0.00	33.18 -0.27 0.00	34.45 -0.85 0.00	35.21 -0.61 0.00	35.65 -0.51 0.00	35.65 -0.65 0.00	35.13 -0.83 0.00	37.66 -0.53 0.00	40.24 -0.24 0.00	42.11 -0.99 0.00	46.10 -0.32 0.00	47.56 -0.53 0.00	45.19 -0.27 0.00	40.44 -0.70 0.00	35.30 0.00 0.00	31.00 0.34 0.00
WALDEN__HYDRO 24148	28.34 1.43 0.00	25.63 1.34 0.00	23.50 1.29 0.00	21.92 1.24 0.00	22.45 1.25 0.00	26.04 1.15 0.00	31.36 1.21 0.00	34.85 1.56 0.00	36.44 1.64 0.00	34.92 1.47 0.00	36.85 1.55 0.00	37.47 1.65 0.00	37.82 1.66 0.00	38.08 1.78 0.00	37.83 1.87 0.00	40.14 1.95 0.00	42.55 2.06 0.00	45.52 2.41 0.00	48.88 2.46 0.00	50.73 2.64 0.00	47.92 2.46 0.00	43.32 2.18 0.00	36.99 1.69 0.00	32.16 1.50 0.00
WARRENSBURG____ 23737	28.75 1.83 0.00	26.02 1.72 0.00	23.79 1.58 0.00	22.11 1.43 0.00	22.68 1.48 0.00	26.26 1.37 0.00	31.66 1.51 0.00	35.02 1.73 0.00	36.62 1.81 0.00	35.02 1.57 0.00	37.13 1.84 0.00	37.61 1.79 0.00	37.90 1.74 0.00	38.08 1.78 0.00	36.96 1.01 0.00	39.18 0.99 0.00	41.49 1.01 0.00	44.31 1.21 0.00	47.63 1.21 0.00	49.53 1.44 0.00	46.88 1.41 0.00	42.58 1.44 0.00	37.21 1.91 0.00	32.59 1.93 0.00
WATERSIDE____6 8 9 23538	28.61 1.70 0.00	25.85 1.55 0.00	23.70 1.49 0.00	22.13 1.45 0.00	22.66 1.46 0.00	26.19 1.29 0.00	31.60 1.45 0.00	35.29 2.00 0.00	36.97 2.16 0.00	35.45 2.01 0.00	37.45 2.15 0.00	38.04 2.22 0.00	38.40 2.24 0.00	38.70 2.40 0.00	38.47 2.52 0.00	40.67 2.48 0.00	43.07 2.59 0.01	45.94 2.84 0.01	49.20 2.79 0.01	50.97 2.89 0.00	48.19 2.73 0.00	43.65 2.51 0.00	37.38 2.08 0.00	32.53 1.87 0.00
WATKINRD_115KV_LN8_ILLION 55919	26.89 -0.03 0.00	24.29 0.00 0.00	22.21 0.00 0.00	20.68 0.00 0.00	21.20 0.00 0.00	24.82 -0.07 0.00	30.01 -0.15 0.00	33.16 -0.13 0.00	34.67 -0.14 0.00	33.25 -0.20 0.00	35.12 -0.18 0.00	35.60 -0.21 0.00	35.94 -0.22 0.00	36.09 -0.22 0.00	35.74 -0.22 0.00	37.96 -0.23 0.00	40.24 -0.24 0.00	42.80 -0.30 0.00	46.10 -0.32 0.00	47.80 -0.29 0.00	45.19 -0.27 0.00	40.94 -0.21 0.00	35.12 -0.18 0.00	30.54 -0.12 0.00



WDELAWARE___HYD 323627	28.34 1.43 0.00	25.53 1.24 0.00	23.46 1.24 0.00	21.86 1.18 0.00	22.38 1.19 0.00	25.99 1.09 0.00	31.33 1.17 0.00	34.82 1.53 0.00	36.34 1.53 0.00	34.88 1.44 0.00	36.75 1.45 0.00	37.39 1.57 0.00	37.82 1.66 0.00	37.94 1.64 0.00	37.65 1.69 0.00	40.06 1.87 0.00	42.59 2.10 0.00	45.56 2.46 0.00	48.97 2.55 0.00	50.73 2.64 0.00	48.01 2.54 0.00	43.32 2.18 0.00	37.13 1.83 0.00	32.22 1.56 0.00
WEST BABYLON___IC 23714	29.69 2.77 0.00	26.89 2.60 0.00	24.64 2.42 0.00	22.98 2.30 0.00	23.57 2.37 0.00	26.99 2.09 0.00	32.42 2.26 0.00	36.22 2.93 0.00	37.70 2.89 0.00	36.19 2.74 0.00	38.48 3.18 0.00	39.08 3.26 0.00	39.45 3.29 0.00	39.83 3.52 0.00	39.59 3.63 0.00	41.86 3.67 0.00	44.65 4.17 0.00	47.67 4.57 0.00	51.29 4.87 0.00	53.19 5.10 0.00	50.24 4.77 0.00	45.46 4.32 0.00	38.58 3.28 0.00	33.76 3.10 0.00
WEST CANADA___HYD 24049	27.08 0.16 0.00	24.44 0.15 0.00	22.37 0.16 0.00	20.83 0.15 0.00	21.35 0.15 0.00	24.99 0.10 0.00	30.22 0.06 0.00	33.36 0.07 0.00	34.88 0.07 0.00	33.48 0.03 0.00	35.33 0.04 0.00	35.86 0.04 0.00	36.20 0.04 0.00	36.34 0.04 0.00	35.99 0.04 0.00	38.27 0.08 0.00	40.56 0.08 0.00	43.19 0.09 0.00	46.51 0.09 0.00	48.18 0.10 0.00	45.56 0.09 0.00	41.23 0.08 0.00	35.37 0.07 0.00	30.75 0.09 0.00
WESTERN_NY_WIND 24143	28.26 1.35 0.00	25.51 1.21 0.00	22.97 0.76 0.00	21.26 0.58 0.00	21.75 0.55 0.00	25.57 0.67 0.00	30.04 -0.12 0.00	33.09 -0.20 0.00	34.77 -0.03 0.00	33.98 0.54 0.00	35.37 0.07 0.00	36.11 0.29 0.00	36.52 0.36 0.00	36.45 0.15 0.00	35.88 -0.07 0.00	38.42 0.23 0.00	41.05 0.57 0.00	43.23 0.13 0.00	47.44 1.02 0.00	48.95 0.87 0.00	46.47 1.00 0.00	41.56 0.41 0.00	36.22 0.92 0.00	31.76 1.10 0.00
WESTOVER___LESR 323668	27.62 0.70 0.00	24.92 0.63 0.00	22.70 0.49 0.00	21.12 0.43 0.00	21.62 0.42 0.00	25.32 0.42 0.00	30.40 0.24 0.00	33.46 0.17 0.00	34.91 0.10 0.00	33.71 0.27 0.00	35.48 0.18 0.00	36.03 0.21 0.00	36.41 0.25 0.00	36.56 0.25 0.00	36.17 0.22 0.00	38.50 0.31 0.00	40.89 0.40 0.00	43.36 0.26 0.00	46.98 0.56 0.00	48.76 0.67 0.00	46.06 0.59 0.00	41.60 0.45 0.00	35.72 0.42 0.00	31.12 0.46 0.00
WETHRSFD_WT_PWR 323626	27.48 0.57 0.00	25.05 0.75 0.00	22.35 0.13 0.00	20.72 0.04 0.00	21.20 0.00 0.00	24.92 0.02 0.00	29.52 -0.63 0.00	32.16 -1.13 0.00	33.97 -0.84 0.00	32.98 -0.47 0.00	34.49 -0.81 0.00	35.07 -0.75 0.00	35.40 -0.76 0.00	35.94 -0.36 0.00	35.56 -0.39 0.00	37.39 -0.80 0.00	39.95 -0.53 0.00	41.81 -1.29 0.00	45.82 -0.60 0.00	47.90 -0.19 0.00	45.15 -0.32 0.00	40.77 -0.37 0.00	35.05 -0.25 0.00	31.00 0.34 0.00
WHAVSTOR_138KV_BK127 55557	28.40 1.48 0.00	25.70 1.41 0.00	23.57 1.36 0.00	21.99 1.30 0.00	22.51 1.31 0.00	26.09 1.19 0.00	31.42 1.27 0.00	34.99 1.70 0.00	36.55 1.74 0.00	35.02 1.57 0.00	37.03 1.73 0.00	37.61 1.79 0.00	37.97 1.81 0.00	38.27 1.96 0.00	38.01 2.05 0.00	40.29 2.10 0.00	42.71 2.23 0.00	45.60 2.50 0.00	48.93 2.51 0.00	50.78 2.69 0.00	47.97 2.50 0.00	43.37 2.22 0.00	37.10 1.80 0.00	32.22 1.56 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	28.40 1.48 0.00	25.70 1.41 0.00	23.57 1.36 0.00	21.99 1.30 0.00	22.51 1.31 0.00	26.09 1.19 0.00	31.42 1.27 0.00	34.99 1.70 0.00	36.55 1.74 0.00	35.02 1.57 0.00	37.03 1.73 0.00	37.61 1.79 0.00	37.97 1.81 0.00	38.27 1.96 0.00	38.01 2.05 0.00	40.29 2.10 0.00	42.71 2.23 0.00	45.60 2.50 0.00	48.93 2.51 0.00	50.78 2.69 0.00	47.97 2.50 0.00	43.37 2.22 0.00	37.10 1.80 0.00	32.22 1.56 0.00
WHITEHAL_115KV_TB1 80871	29.74 2.83 0.00	26.84 2.55 0.00	24.50 2.29 0.00	22.71 2.03 0.00	23.30 2.10 0.00	27.11 2.22 0.00	32.69 2.53 0.00	36.09 2.80 0.00	37.84 3.03 0.00	36.09 2.64 0.00	38.37 3.07 0.00	38.79 2.97 0.00	38.98 2.82 0.00	39.17 2.87 0.00	38.11 2.16 0.00	40.48 2.29 0.00	42.87 2.39 0.00	45.86 2.76 0.00	49.39 2.97 0.00	51.55 3.46 0.00	48.83 3.36 0.00	44.31 3.17 0.00	38.55 3.25 0.00	33.66 3.00 0.00
WHITEPLN_13_KV_LOAD 356215	28.72 1.80 0.00	25.94 1.65 0.00	23.79 1.58 0.00	22.21 1.53 0.00	22.77 1.57 0.00	26.36 1.47 0.00	31.79 1.63 0.00	35.42 2.13 0.00	37.11 2.30 0.00	35.55 2.11 0.00	37.59 2.29 0.00	38.18 2.36 0.00	38.58 2.42 0.00	38.88 2.58 0.00	38.58 2.62 0.00	40.90 2.71 0.00	43.40 2.91 0.00	46.29 3.19 0.00	49.67 3.25 0.00	51.45 3.37 0.00	48.69 3.23 0.00	43.98 2.84 0.00	37.52 2.22 0.00	32.65 1.99 0.00
WM_FLOYD_69_KV_BK2 356380	29.53 2.61 0.00	26.87 2.58 0.00	24.66 2.44 0.00	23.00 2.32 0.00	23.68 2.48 0.00	26.76 1.87 0.00	32.06 1.90 0.00	35.89 2.60 0.00	37.31 2.51 0.00	35.82 2.37 0.00	38.12 2.82 0.00	38.72 2.90 0.00	39.13 2.97 0.00	39.54 3.23 0.00	39.30 3.34 0.00	41.55 3.36 0.00	44.37 3.89 0.00	47.33 4.22 0.00	50.92 4.50 0.00	52.71 4.62 0.00	49.88 4.41 0.00	45.09 3.95 0.00	38.23 2.93 0.00	33.45 2.79 0.00
WOODARD__115KV_TB2 355635	26.97 0.05 0.00	24.34 0.05 0.00	22.21 0.00 0.00	20.64 -0.04 0.00	21.18 -0.02 0.00	24.80 -0.10 0.00	29.89 -0.27 0.00	32.86 -0.43 0.00	34.36 -0.45 0.00	33.15 -0.30 0.00	34.98 -0.32 0.00	35.50 -0.32 0.00	35.87 -0.29 0.00	35.98 -0.33 0.00	35.60 -0.36 0.00	37.89 -0.31 0.00	40.20 -0.28 0.00	42.67 -0.43 0.00	46.10 -0.32 0.00	47.70 -0.38 0.00	45.15 -0.32 0.00	40.81 -0.33 0.00	35.02 -0.28 0.00	30.57 -0.09 0.00
WOODMERE_69_KV_BK1 55827	29.39 2.48 0.00	26.58 2.28 0.00	24.35 2.13 0.00	22.71 2.03 0.00	23.25 2.06 0.00	26.79 1.89 0.00	32.21 2.05 0.00	35.92 2.63 0.00	37.49 2.68 0.00	35.99 2.54 0.00	38.19 2.89 0.00	38.79 2.97 0.00	39.13 2.97 0.00	39.46 3.16 0.00	39.19 3.24 0.00	41.48 3.28 0.00	44.13 3.64 0.00	47.11 4.01 0.00	50.60 4.18 0.00	52.51 4.42 0.00	49.60 4.14 0.00	44.89 3.74 0.00	38.27 2.97 0.00	33.39 2.73 0.00
YORK___WARBASSE 23770	28.81 1.88 -0.01	25.99 1.70 0.00	23.81 1.60 0.00	22.23 1.55 0.00	22.77 1.57 0.00	26.29 1.39 0.00	31.72 1.57 0.00	35.39 2.10 0.00	37.07 2.26 0.00	35.59 2.14 0.00	37.59 2.29 0.00	38.22 2.40 0.00	38.62 2.46 0.00	38.88 2.58 0.00	38.70 2.73 -0.01	40.89 2.67 -0.02	43.27 2.75 -0.04	46.13 2.97 -0.06	49.43 2.97 -0.04	51.28 3.17 -0.02	48.48 3.00 -0.01	43.91 2.76 -0.01	37.64 2.33 -0.01	32.75 2.08 -0.01