

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

04/28/2025

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	31.47	27.79	26.67	26.54	26.85	29.82	39.11	40.81	35.16	29.61	26.10	24.97	24.79	25.70	25.54	26.58	30.65	35.81	43.69	51.22	51.35	39.68	31.33	27.22
24138	1.89	1.52	1.53	1.48	1.47	1.61	2.14	2.38	2.36	2.14	1.89	1.96	1.94	2.04	2.04	2.20	2.50	3.01	3.35	3.83	4.06	2.94	2.35	1.91
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.52	-0.65	-0.65	-0.86	-1.03	-2.57
74TH STREET_GT_1	31.52	27.84	26.72	26.59	26.87	29.82	39.11	40.77	35.15	29.64	26.09	24.97	24.79	25.70	25.56	26.53	30.59	35.81	43.76	51.26	51.35	39.75	31.33	27.20
24260	1.95	1.58	1.58	1.53	1.50	1.61	2.14	2.34	2.36	2.17	1.89	1.96	1.94	2.04	2.07	2.15	2.45	3.01	3.42	3.88	4.06	3.01	2.35	1.89
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.52	-0.65	-0.65	-0.86	-1.03	-2.57
74TH STREET_GT_2	31.52	27.84	26.72	26.59	26.87	29.82	39.11	40.77	35.15	29.64	26.09	24.97	24.79	25.70	25.56	26.53	30.59	35.81	43.76	51.26	51.35	39.75	31.33	27.20
24261	1.95	1.58	1.58	1.53	1.50	1.61	2.14	2.34	2.36	2.17	1.89	1.96	1.94	2.04	2.07	2.15	2.45	3.01	3.42	3.88	4.06	3.01	2.35	1.89
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.52	-0.65	-0.65	-0.86	-1.03	-2.57
ADK HUDSON___FALLS	31.29	27.74	26.57	26.49	26.82	29.94	39.30	40.81	34.60	28.84	25.25	23.84	23.67	24.49	24.41	25.44	29.58	34.60	48.12	57.20	57.26	48.37	42.10	27.32
24011	1.72	1.47	1.43	1.43	1.45	1.72	2.33	2.38	1.80	1.37	1.04	0.83	0.82	0.83	0.92	1.05	1.44	1.51	1.91	2.52	2.66	1.90	1.48	1.18
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	-6.39	-7.94	-7.95	-10.59	-12.67	-3.40
ADK RESOURCE___RCVRY	31.41	27.87	26.67	26.61	26.92	30.08	39.52	41.04	34.76	28.95	25.32	23.89	23.72	24.54	24.43	25.53	29.75	34.66	48.19	57.33	57.38	48.36	42.05	27.37
23798	1.83	1.60	1.53	1.55	1.55	1.86	2.55	2.61	1.97	1.48	1.11	0.87	0.87	0.88	0.94	1.15	1.60	1.57	2.03	2.71	2.85	1.97	1.54	1.23
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.32	-6.34	-7.88	-7.89	-10.51	-12.57	-3.40
ADK S GLENS___FALLS	31.29	27.74	26.57	26.49	26.82	29.94	39.30	40.81	34.60	28.84	25.25	23.84	23.67	24.49	24.41	25.44	29.58	34.60	48.12	57.20	57.26	48.37	42.10	27.32
24028	1.72	1.47	1.43	1.43	1.45	1.72	2.33	2.38	1.80	1.37	1.04	0.83	0.82	0.83	0.92	1.05	1.44	1.51	1.91	2.52	2.66	1.90	1.48	1.18
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.33	-6.39	-7.94	-7.95	-10.59	-12.67	-3.40
ADK_NYS___DAM	31.20	27.66	26.51	26.39	26.72	29.71	39.08	40.58	34.69	29.25	25.59	24.35	24.15	24.94	24.86	26.07	30.28	35.99	50.42	59.50	59.37	50.95	44.90	28.05
23527	1.63	1.39	1.38	1.33	1.34	1.49	2.11	2.15	1.90	1.78	1.38	1.33	1.30	1.28	1.36	1.68	2.14	2.85	3.30	3.69	3.64	2.98	2.49	1.98
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.37	-7.30	-9.07	-9.08	-12.10	-14.47	-3.33
AIR_PRODUCTS___DRP	30.10	26.69	25.61	25.51	25.81	28.69	37.52	38.97	33.38	28.07	24.64	23.52	23.31	24.11	24.01	24.97	28.91	33.78	37.22	43.22	43.12	30.61	21.31	26.58
24190	0.53	0.42	0.48	0.45	0.43	0.48	0.55	0.54	0.59	0.60	0.44	0.51	0.46	0.45	0.52	0.59	0.76	1.21	1.35	1.40	1.40	1.29	1.20	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	0.20	3.96	4.92	4.92	6.56	7.84	-2.98
AKWESSNE_115KV_BK	29.28	26.06	24.86	24.91	25.25	28.02	36.97	38.47	32.60	27.36	24.13	22.88	22.74	23.55	23.38	24.26	28.06	32.80	39.98	46.74	46.69	35.80	27.70	22.49
355683	-0.30	-0.21	-0.28	-0.15	-0.13	-0.20	0.00	0.04	-0.20	-0.11	-0.07	-0.14	-0.11	-0.12	-0.12	-0.12	-0.08	0.03	0.16	0.00	0.05	-0.07	-0.25	-0.25
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	30.55	27.11	25.99	25.91	26.21	29.12	38.12	39.43	33.45	27.99	24.57	23.34	23.19	23.97	23.87	24.87	28.85	33.68	36.80	42.99	42.93	29.92	20.32	26.70
323833	0.97	0.84	0.86	0.85	0.84	0.90	1.15	1.00	0.66	0.52	0.36	0.32	0.34	0.31	0.37	0.49	0.70	1.15	1.51	1.87	1.91	1.54	1.34	1.05
	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	0.23	4.53	5.62	5.63	7.50	8.97	-2.91
ALBANY_2_SOLAR	30.52	27.11	25.99	25.89	26.21	29.12	38.12	39.43	33.45	27.99	24.54	23.34	23.19	23.97	23.87	24.87	28.85	33.68	36.82	43.00	42.94	29.94	20.32	26.68
323834	0.95	0.84	0.86	0.83	0.84	0.90	1.15	1.00	0.66	0.52	0.34	0.32	0.34	0.31	0.37	0.49	0.70	1.15	1.51	1.87	1.91	1.54	1.31	1.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	4.52	5.61	5.62	7.48	8.95	-2.91
ALBANY___1	30.10	26.69	25.61	25.51	25.81	28.69	37.52	38.97	33.38	28.07	24.64	23.52	23.31	24.11	24.01	24.97	28.91	33.78	37.22	43.22	43.12	30.61	21.31	26.58
23571	0.53	0.42	0.48	0.45	0.43	0.48	0.55	0.54	0.59	0.60	0.44	0.51	0.46	0.45	0.52	0.59	0.76	1.21	1.35	1.40	1.40	1.29	1.20	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	0.20	3.96	4.92	4.92	6.56	7.84	-2.98



ALBANY___2 23572	30.10 0.53 0.00	26.69 0.42 0.00	25.61 0.48 0.00	25.51 0.45 0.00	25.81 0.43 0.00	28.69 0.48 0.00	37.52 0.55 0.00	38.97 0.54 0.00	33.38 0.59 0.00	28.07 0.60 0.00	24.64 0.44 0.00	23.52 0.51 0.00	23.31 0.46 0.00	24.11 0.45 0.00	24.01 0.52 0.00	24.97 0.59 0.00	28.91 0.76 0.00	33.78 1.21 0.20	37.22 1.35 3.96	43.22 1.40 4.92	43.12 1.40 4.92	30.61 1.29 6.56	21.31 1.20 7.84	26.58 0.86 -2.98
ALBANY___3 23573	30.10 0.53 0.00	26.69 0.42 0.00	25.61 0.48 0.00	25.51 0.45 0.00	25.81 0.43 0.00	28.69 0.48 0.00	37.52 0.55 0.00	38.97 0.54 0.00	33.38 0.59 0.00	28.07 0.60 0.00	24.64 0.44 0.00	23.52 0.51 0.00	23.31 0.46 0.00	24.11 0.45 0.00	24.01 0.52 0.00	24.97 0.59 0.00	28.91 0.76 0.00	33.78 1.21 0.20	37.22 1.35 3.96	43.22 1.40 4.92	43.12 1.40 4.92	30.61 1.29 6.56	21.31 1.20 7.84	26.58 0.86 -2.98
ALBANY___4 23574	30.10 0.53 0.00	26.69 0.42 0.00	25.61 0.48 0.00	25.51 0.45 0.00	25.81 0.43 0.00	28.69 0.48 0.00	37.52 0.55 0.00	38.97 0.54 0.00	33.38 0.59 0.00	28.07 0.60 0.00	24.64 0.44 0.00	23.52 0.51 0.00	23.31 0.46 0.00	24.11 0.45 0.00	24.01 0.52 0.00	24.97 0.59 0.00	28.91 0.76 0.00	33.78 1.21 0.20	37.22 1.35 3.96	43.22 1.40 4.92	43.12 1.40 4.92	30.61 1.29 6.56	21.31 1.20 7.84	26.58 0.86 -2.98
ALBANY___LFGE 323615	30.31 0.74 0.00	26.89 0.63 0.00	25.79 0.65 0.00	25.71 0.65 0.00	26.01 0.63 0.00	28.92 0.71 0.00	37.86 0.89 0.00	39.35 0.92 0.00	33.68 0.89 0.00	28.29 0.82 0.00	24.83 0.63 0.00	23.66 0.64 0.00	23.49 0.64 0.00	24.28 0.61 0.00	24.18 0.68 0.00	25.22 0.83 0.00	29.24 1.10 0.00	34.48 1.51 -0.20	45.52 1.71 -3.99	53.56 1.87 -4.96	53.52 1.91 -4.96	44.10 1.62 -6.61	37.28 1.42 -7.91	27.06 1.07 -3.26
ALCOA_PA_115KV_PL-6C 55860	29.45 -0.12 0.00	26.21 -0.05 0.00	24.98 -0.15 0.00	25.06 0.00 0.00	25.40 0.03 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.43 0.00 0.00	32.56 -0.23 0.00	27.30 -0.16 0.00	24.06 -0.15 0.00	22.83 -0.18 0.00	22.67 -0.18 0.00	23.47 -0.19 0.00	23.31 -0.19 0.00	24.22 -0.17 0.00	27.98 -0.17 0.00	32.70 -0.07 0.00	39.94 0.12 0.00	46.55 -0.19 0.00	46.51 -0.14 0.00	35.73 -0.14 0.00	27.64 -0.31 0.00	22.44 -0.30 0.00
ALCOA_RYNLDS___DRP 24188	29.45 -0.12 0.00	26.21 -0.05 0.00	24.98 -0.15 0.00	25.06 0.00 0.00	25.40 0.03 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.43 0.00 0.00	32.56 -0.23 0.00	27.30 -0.16 0.00	24.06 -0.15 0.00	22.83 -0.18 0.00	22.67 -0.18 0.00	23.47 -0.19 0.00	23.31 -0.19 0.00	24.22 -0.17 0.00	27.98 -0.17 0.00	32.70 -0.07 0.00	39.94 0.12 0.00	46.55 -0.19 0.00	46.51 -0.14 0.00	35.73 -0.14 0.00	27.64 -0.31 0.00	22.44 -0.30 0.00
ALCOA___DSASP 323711	29.45 -0.12 0.00	26.21 -0.05 0.00	24.98 -0.15 0.00	25.06 0.00 0.00	25.40 0.03 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.47 0.04 0.00	32.57 -0.23 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.83 -0.18 0.00	22.67 -0.18 0.00	23.47 -0.19 0.00	23.30 -0.19 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.70 -0.07 0.00	39.94 0.12 0.00	46.55 -0.19 0.00	46.51 -0.14 0.00	35.73 -0.14 0.00	27.64 -0.31 0.00	22.44 -0.30 0.00
ALLEGHENY___COGEN 23514	29.84 0.27 0.00	26.71 0.45 0.00	25.21 0.08 0.00	25.06 0.00 0.00	25.45 0.08 0.00	28.69 0.48 0.00	37.38 0.41 0.00	38.08 -0.35 0.00	32.86 0.07 0.00	26.92 -0.55 0.00	23.53 -0.68 0.00	22.12 -0.90 0.00	21.73 -1.12 0.00	22.58 -1.09 0.00	22.22 -1.27 0.00	22.95 -1.44 0.00	26.40 -1.75 0.00	31.03 -1.74 0.00	38.27 -1.55 0.00	45.71 -1.03 0.00	45.48 -1.16 0.00	35.27 -0.61 0.00	27.17 -0.78 0.00	22.44 -0.77 -0.47
ALTAMONT_115KV_TB 2 55880	30.37 0.80 0.00	26.95 0.68 0.00	25.84 0.70 0.00	25.74 0.68 0.00	26.04 0.66 0.00	28.92 0.71 0.00	37.89 0.92 0.00	39.35 0.92 0.00	33.58 0.79 0.00	28.18 0.71 0.00	24.76 0.56 0.00	23.59 0.58 0.00	23.44 0.59 0.00	24.28 0.62 0.00	24.13 0.63 0.00	25.07 0.68 0.00	28.96 0.82 0.00	33.82 1.15 0.09	39.44 1.35 1.73	46.13 1.54 2.15	46.08 1.59 2.15	34.27 1.26 2.86	25.59 1.06 3.43	26.61 0.82 -3.06
ALTONA_WT_PWR 323606	29.39 -0.18 0.00	26.19 -0.08 0.00	24.98 -0.15 0.00	25.09 0.03 0.00	25.45 0.08 0.00	28.27 0.06 0.00	37.16 0.19 0.00	38.73 0.31 0.00	32.86 0.07 0.00	27.44 -0.03 0.00	24.18 -0.02 0.00	23.04 0.02 0.00	22.85 0.00 0.00	23.62 -0.05 0.00	23.45 -0.05 0.00	24.41 0.02 0.00	28.20 0.06 0.00	33.03 0.26 0.00	40.33 0.52 0.00	47.25 0.52 0.00	47.16 0.51 0.00	36.02 0.14 0.00	27.76 -0.19 0.00	22.44 -0.30 0.00
AMERICAN_REF_FUEL 24010	27.71 -1.86 0.00	24.69 -1.58 0.00	23.10 -2.03 0.00	22.93 -2.13 0.00	23.24 -2.13 0.00	26.21 -2.00 0.00	33.90 -3.07 0.00	34.59 -3.84 0.00	30.63 -2.17 0.00	25.46 -2.00 0.00	22.44 -1.77 0.00	21.22 -1.80 0.00	20.79 -2.06 0.00	21.68 -1.99 0.00	21.24 -2.26 0.00	21.80 -2.59 0.00	24.80 -3.35 0.00	28.64 -4.13 0.00	34.68 -5.14 0.00	40.62 -6.12 0.00	40.21 -6.44 0.00	31.71 -4.16 0.00	24.76 -3.19 0.00	20.48 -2.68 -0.42
ARKWRIGHT___SUMMIT_WT_PWR 323751	29.54 -0.03 0.00	26.37 0.11 0.00	24.78 -0.35 0.00	24.61 -0.45 0.00	24.97 -0.41 0.00	28.05 -0.17 0.00	36.53 -0.44 0.00	37.12 -1.31 0.00	32.70 -0.10 0.00	27.00 -0.47 0.00	23.82 -0.39 0.00	22.44 -0.57 0.00	22.14 -0.71 0.00	23.03 -0.64 0.00	22.58 -0.92 0.00	23.09 -1.29 0.00	26.29 -1.86 0.00	30.34 -2.42 0.00	36.87 -2.95 0.00	43.04 -3.69 0.00	42.12 -4.52 0.00	32.79 -3.09 0.00	25.24 -2.71 0.00	20.69 -2.52 -0.47
ARTHUR KILL_GT_1 23520	31.80 2.22 -0.01	28.08 1.81 0.00	26.95 1.81 -0.01	26.82 1.75 -0.01	27.10 1.73 0.00	29.97 1.75 0.00	39.19 2.22 0.00	40.81 2.38 0.00	35.16 2.36 0.00	29.67 2.20 0.00	26.12 1.91 0.00	24.99 1.98 0.00	24.86 2.01 0.00	25.79 2.13 0.00	25.63 2.14 0.00	26.68 2.29 0.00	30.77 2.62 -0.01	35.88 3.08 -0.03	43.69 3.35 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.87 3.12 -0.87	31.53 2.54 -1.03	27.44 2.12 -2.58
ARTHUR_KILL_2 23512	31.71 2.13 -0.01	28.03 1.76 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.11 2.14 0.00	40.70 2.27 0.00	35.09 2.29 0.00	29.58 2.12 0.00	26.07 1.86 0.00	24.95 1.93 0.00	24.82 1.97 0.00	25.72 2.06 0.00	25.56 2.07 0.00	26.63 2.24 0.00	30.71 2.56 -0.01	35.78 2.98 -0.03	43.56 3.22 -0.52	50.84 3.46 -0.65	50.93 3.64 -0.65	39.76 3.01 -0.87	31.44 2.46 -1.03	27.39 2.07 -2.58
ARTHUR_KILL_3 23513	31.23 1.65 0.00	27.58 1.31 0.00	26.46 1.33 0.00	26.34 1.28 0.00	26.64 1.27 0.00	29.60 1.38 0.00	38.74 1.77 0.00	40.46 2.04 0.00	34.86 2.07 0.00	29.36 1.89 0.00	25.90 1.69 0.00	24.79 1.77 0.00	24.61 1.76 0.00	25.49 1.82 0.00	25.33 1.83 0.00	26.36 1.97 0.00	30.42 2.28 0.00	35.55 2.75 -0.03	43.36 3.02 -0.52	50.79 3.41 -0.65	50.93 3.64 -0.65	39.43 2.69 -0.86	31.13 2.15 -1.03	27.07 1.75 -2.57



ARTHUR_KILL_COGEN 323718	31.80 2.22 -0.01	28.08 1.81 0.00	26.95 1.81 -0.01	26.82 1.75 -0.01	27.10 1.73 0.00	29.97 1.75 0.00	39.19 2.22 0.00	40.81 2.38 0.00	35.16 2.36 0.00	29.67 2.20 0.00	26.12 1.91 0.00	24.99 1.98 0.00	24.86 2.01 0.00	25.79 2.13 0.00	25.63 2.14 0.00	26.68 2.29 0.00	30.77 2.62 -0.01	35.88 3.08 -0.03	43.69 3.35 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.87 3.12 -0.87	31.53 2.54 -1.03	27.44 2.12 -2.58
ASHOKAN____ 23654	30.93 1.36 0.00	27.42 1.15 0.00	26.31 1.18 0.00	26.21 1.15 0.00	26.54 1.17 0.00	29.49 1.27 0.00	38.67 1.70 0.00	40.12 1.69 0.00	33.94 1.15 0.00	28.32 0.85 0.00	24.86 0.65 0.00	23.59 0.58 0.00	23.47 0.62 0.00	24.26 0.59 0.00	24.15 0.66 0.00	25.17 0.78 0.00	29.30 1.15 0.00	34.78 2.20 0.18	39.17 2.83 3.48	46.02 3.60 4.32	45.92 3.59 4.32	32.63 2.51 5.76	23.10 2.04 6.89	27.14 1.66 -2.74
ASTORIA_EAST_ENERGY_CC1 323581	31.44 1.86 -0.01	27.76 1.50 0.00	26.70 1.56 -0.01	26.57 1.50 -0.01	26.74 1.37 0.00	29.54 1.33 0.00	38.56 1.59 0.00	40.27 1.84 0.01	34.75 1.97 0.01	29.33 1.87 0.01	25.89 1.69 0.01	24.78 1.77 0.01	24.63 1.78 0.01	25.53 1.87 0.01	25.37 1.88 0.01	26.40 2.02 0.01	30.42 2.28 0.01	35.47 2.69 -0.02	43.28 2.95 -0.51	50.65 3.27 -0.64	50.74 3.45 -0.64	39.24 2.51 -0.86	31.08 2.10 -1.03	27.19 1.87 -2.58
ASTORIA_EAST_ENERGY_CC2 323582	31.44 1.86 -0.01	27.76 1.50 0.00	26.70 1.56 -0.01	26.57 1.50 -0.01	26.74 1.37 0.00	29.54 1.33 0.00	38.56 1.59 0.00	40.27 1.84 0.01	34.75 1.97 0.01	29.33 1.87 0.01	25.89 1.69 0.01	24.78 1.77 0.01	24.63 1.78 0.01	25.53 1.87 0.01	25.37 1.88 0.01	26.40 2.02 0.01	30.42 2.28 0.01	35.47 2.69 -0.02	43.28 2.95 -0.51	50.65 3.27 -0.64	50.74 3.45 -0.64	39.24 2.51 -0.86	31.08 2.10 -1.03	27.19 1.87 -2.58
ASTORIA_GT2_1 24094	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT2_2 24095	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT2_3 24096	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT2_4 24097	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT3_1 24098	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT3_2 24099	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT3_3 24100	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT3_4 24101	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT4_1 24102	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT4_2 24103	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT4_3 24104	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58



ASTORIA_GT4_4 24105	31.44 1.86 -0.01	27.79 1.52 0.00	26.72 1.58 -0.01	26.57 1.50 -0.01	26.77 1.40 0.00	29.54 1.33 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.76 1.97 0.00	29.34 1.87 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.66 3.27 -0.65	50.79 3.50 -0.65	39.25 2.51 -0.86	31.11 2.12 -1.03	27.19 1.86 -2.58
ASTORIA_GT_1 23523	31.50 1.92 -0.01	27.81 1.55 0.00	26.75 1.61 -0.01	26.62 1.55 -0.01	26.80 1.42 0.00	29.60 1.38 0.00	38.63 1.67 0.00	40.34 1.92 0.01	34.82 2.03 0.01	29.38 1.92 0.01	25.94 1.74 0.01	24.82 1.82 0.01	24.67 1.83 0.01	25.57 1.92 0.01	25.41 1.93 0.01	26.45 2.07 0.01	30.47 2.33 0.01	35.57 2.78 -0.02	43.36 3.02 -0.51	50.74 3.37 -0.64	50.83 3.54 -0.64	39.32 2.58 -0.86	31.13 2.15 -1.03	27.23 1.91 -2.58
ASTORIA_GT_10 24110	31.50 1.92 -0.01	27.84 1.58 0.00	26.72 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.71 1.50 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.00 1.79 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.46 2.07 0.00	30.48 2.34 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.23 1.91 -2.58
ASTORIA_GT_11 24225	31.50 1.92 -0.01	27.84 1.58 0.00	26.72 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.71 1.50 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.00 1.79 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.46 2.07 0.00	30.48 2.34 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.23 1.91 -2.58
ASTORIA_GT_12 24226	31.50 1.92 -0.01	27.84 1.58 0.00	26.72 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.71 1.50 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.00 1.79 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.46 2.07 0.00	30.48 2.34 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.23 1.91 -2.58
ASTORIA_GT_13 24227	31.50 1.92 -0.01	27.84 1.58 0.00	26.72 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.71 1.50 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.00 1.79 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.46 2.07 0.00	30.48 2.34 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.23 1.91 -2.58
ASTORIA_GT_5 24106	31.50 1.92 -0.01	27.81 1.55 0.00	26.75 1.61 -0.01	26.62 1.55 -0.01	26.80 1.42 0.00	29.60 1.38 0.00	38.63 1.66 0.00	40.27 1.84 0.00	34.83 2.03 0.00	29.39 1.92 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.42 1.93 0.00	26.41 2.02 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.37 3.03 -0.52	50.75 3.37 -0.65	50.84 3.55 -0.65	39.32 2.58 -0.86	31.13 2.15 -1.03	27.21 1.89 -2.58
ASTORIA_GT_7 24107	31.50 1.92 -0.01	27.81 1.55 0.00	26.75 1.61 -0.01	26.62 1.55 -0.01	26.80 1.42 0.00	29.60 1.38 0.00	38.63 1.66 0.00	40.27 1.84 0.00	34.83 2.03 0.00	29.39 1.92 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.42 1.93 0.00	26.41 2.02 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.37 3.03 -0.52	50.75 3.37 -0.65	50.84 3.55 -0.65	39.32 2.58 -0.86	31.13 2.15 -1.03	27.21 1.89 -2.58
ASTORIA_GT_8 24108	31.50 1.92 -0.01	27.81 1.55 0.00	26.75 1.61 -0.01	26.62 1.55 -0.01	26.80 1.42 0.00	29.60 1.38 0.00	38.63 1.66 0.00	40.27 1.84 0.00	34.83 2.03 0.00	29.39 1.92 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.42 1.93 0.00	26.41 2.02 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.37 3.03 -0.52	50.75 3.37 -0.65	50.84 3.55 -0.65	39.32 2.58 -0.86	31.13 2.15 -1.03	27.21 1.89 -2.58
ASTORIA___2 24149	31.44 1.86 -0.01	27.79 1.52 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.77 1.39 0.00	29.57 1.35 0.00	38.59 1.62 0.00	40.27 1.84 0.01	34.75 1.97 0.01	29.33 1.87 0.01	25.92 1.72 0.01	24.80 1.80 0.01	24.65 1.80 0.01	25.53 1.87 0.01	25.37 1.88 0.01	26.43 2.05 0.01	30.42 2.28 0.01	35.50 2.72 -0.02	43.28 2.95 -0.51	50.65 3.27 -0.64	50.79 3.50 -0.64	39.24 2.51 -0.86	31.08 2.10 -1.03	27.21 1.89 -2.58
ASTORIA___3 23516	31.53 1.95 -0.01	27.84 1.58 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.74 1.52 0.00	38.85 1.88 0.00	40.58 2.15 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.02 1.82 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.51 2.12 0.00	30.59 2.45 0.00	35.68 2.88 -0.03	43.53 3.19 -0.52	50.93 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.25 1.93 -2.58
ASTORIA___4 23517	31.50 1.92 -0.01	27.84 1.58 0.00	26.72 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.71 1.50 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.00 1.79 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.46 2.07 0.00	30.48 2.34 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.23 1.91 -2.58
ASTORIA___5 23518	31.53 1.95 -0.01	27.84 1.58 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.74 1.52 0.00	38.85 1.88 0.00	40.58 2.15 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.02 1.82 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.51 2.12 0.00	30.59 2.45 0.00	35.68 2.88 -0.03	43.53 3.19 -0.52	50.93 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.25 1.93 -2.58
AST_ENERGY_2_CC3 323677	31.29 1.71 0.00	27.66 1.39 0.00	26.54 1.41 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.65 1.44 0.00	37.08 1.81 1.70	38.71 2.04 1.76	34.86 2.07 0.00	29.39 1.92 0.00	25.93 1.72 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.35 1.86 0.00	26.39 2.00 0.00	30.45 2.31 0.00	35.51 2.72 -0.03	43.36 3.02 -0.52	50.79 3.41 -0.65	50.93 3.64 -0.65	39.43 2.69 -0.86	31.16 2.18 -1.03	27.11 1.80 -2.57
AST_ENERGY_2_CC4 323678	31.29 1.71 0.00	27.66 1.39 0.00	26.54 1.41 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.65 1.44 0.00	37.08 1.81 1.70	38.71 2.04 1.76	34.86 2.07 0.00	29.39 1.92 0.00	25.93 1.72 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.35 1.86 0.00	26.39 2.00 0.00	30.45 2.31 0.00	35.51 2.72 -0.03	43.36 3.02 -0.52	50.79 3.41 -0.65	50.93 3.64 -0.65	39.43 2.69 -0.86	31.16 2.18 -1.03	27.11 1.80 -2.57



ATHENS_STG_1 23668	30.55 0.97 0.00	27.08 0.82 0.00	25.99 0.86 0.00	25.89 0.83 0.00	26.16 0.79 0.00	29.03 0.82 0.00	38.04 1.07 0.00	39.58 1.15 0.00	33.81 1.02 0.00	28.40 0.93 0.00	25.00 0.80 0.00	23.84 0.83 0.00	23.72 0.87 0.00	24.56 0.90 0.00	24.41 0.92 0.00	25.39 1.00 0.00	29.33 1.18 0.00	34.24 1.48 0.00	41.49 1.67 0.00	48.61 1.87 0.00	48.60 1.96 0.00	37.38 1.51 0.00	29.21 1.26 0.00	26.54 1.00 -2.81
ATHENS_STG_2 23670	30.55 0.97 0.00	27.08 0.82 0.00	25.99 0.86 0.00	25.89 0.83 0.00	26.16 0.79 0.00	29.03 0.82 0.00	38.04 1.07 0.00	39.58 1.15 0.00	33.81 1.02 0.00	28.40 0.93 0.00	25.00 0.80 0.00	23.84 0.83 0.00	23.72 0.87 0.00	24.56 0.90 0.00	24.41 0.92 0.00	25.39 1.00 0.00	29.33 1.18 0.00	34.24 1.48 0.00	41.49 1.67 0.00	48.61 1.87 0.00	48.60 1.96 0.00	37.38 1.51 0.00	29.21 1.26 0.00	26.54 1.00 -2.81
ATHENS_STG_3 23677	30.55 0.97 0.00	27.08 0.82 0.00	25.99 0.86 0.00	25.89 0.83 0.00	26.16 0.79 0.00	29.03 0.82 0.00	38.04 1.07 0.00	39.58 1.15 0.00	33.81 1.02 0.00	28.40 0.93 0.00	25.00 0.80 0.00	23.84 0.83 0.00	23.72 0.87 0.00	24.56 0.90 0.00	24.41 0.92 0.00	25.39 1.00 0.00	29.33 1.18 0.00	34.24 1.48 0.00	41.49 1.67 0.00	48.61 1.87 0.00	48.60 1.96 0.00	37.38 1.51 0.00	29.21 1.26 0.00	26.54 1.00 -2.81
AUBURN___LFGE 323710	29.51 -0.06 0.00	26.24 -0.03 0.00	25.03 -0.10 0.00	24.93 -0.13 0.00	25.25 -0.13 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.35 -0.08 0.00	32.73 -0.07 0.00	27.30 -0.16 0.00	24.06 -0.15 0.00	22.81 -0.21 0.00	22.60 -0.25 0.00	23.38 -0.28 0.00	23.16 -0.33 0.00	24.07 -0.32 0.00	27.75 -0.39 0.00	32.21 -0.56 0.00	39.22 -0.60 0.00	46.22 -0.51 0.00	46.09 -0.56 0.00	35.52 -0.36 0.00	27.56 -0.39 0.00	22.84 -0.25 -0.35
BABYLON_RES_REC 323704	31.73 2.16 0.00	28.00 1.73 0.00	26.84 1.71 0.00	26.69 1.63 0.00	26.90 1.52 0.00	29.88 1.66 0.00	38.74 1.77 0.00	40.43 2.00 0.00	34.69 1.90 0.00	29.20 1.73 0.00	25.97 1.77 0.00	24.95 1.93 0.00	24.84 1.99 0.00	25.70 2.04 0.00	25.68 2.19 0.00	26.78 2.39 0.00	31.00 2.84 -0.01	36.47 3.24 -0.46	44.01 3.66 -0.53	51.69 4.30 -0.66	51.74 4.43 -0.66	40.23 3.48 -0.87	31.64 2.66 -1.03	27.29 1.98 -2.58
BABYLON__69_KV_BK2 356345	31.91 2.34 0.00	28.21 1.94 0.00	27.02 1.88 0.00	26.86 1.80 0.00	27.10 1.73 0.00	29.88 1.66 0.00	38.97 2.00 0.00	40.50 2.08 0.00	34.89 2.10 0.00	29.34 1.87 0.00	25.92 1.72 0.00	25.11 2.09 0.00	25.00 2.15 0.00	25.89 2.22 0.00	25.87 2.37 0.00	26.92 2.54 0.00	31.17 3.01 -0.01	36.75 3.54 -0.45	44.41 4.06 -0.53	52.21 4.81 -0.66	52.25 4.94 -0.66	40.62 3.87 -0.87	31.92 2.93 -1.03	27.45 2.14 -2.58
BALL_HILL_WT_PWR 323825	29.19 -0.39 0.00	26.00 -0.26 0.00	24.46 -0.68 0.00	24.28 -0.78 0.00	24.61 -0.76 0.00	27.62 -0.59 0.00	35.97 -1.00 0.00	36.58 -1.84 0.00	32.24 -0.56 0.00	26.70 -0.77 0.00	23.53 -0.68 0.00	22.19 -0.83 0.00	21.87 -0.98 0.00	22.74 -0.92 0.00	22.30 -1.20 0.00	22.87 -1.51 0.00	26.06 -2.08 0.00	30.05 -2.72 0.00	36.55 -3.26 0.00	42.76 -3.97 0.00	42.17 -4.48 0.00	33.04 -2.83 0.00	25.57 -2.38 0.00	21.05 -2.16 -0.47
BARON_WINDS___WT_PWR 323822	29.16 -0.41 0.00	26.00 -0.26 0.00	24.63 -0.50 0.00	24.48 -0.58 0.00	24.84 -0.53 0.00	27.85 -0.37 0.00	36.34 -0.63 0.00	37.12 -1.31 0.00	32.24 -0.56 0.00	26.67 -0.80 0.00	23.46 -0.75 0.00	22.16 -0.85 0.00	21.87 -0.98 0.00	22.69 -0.97 0.00	22.34 -1.15 0.00	23.05 -1.34 0.00	26.43 -1.72 0.00	30.67 -2.10 0.00	37.51 -2.31 0.00	44.21 -2.52 0.00	43.80 -2.85 0.00	34.01 -1.87 0.00	26.27 -1.68 0.00	21.88 -1.46 -0.59
BARRETT_IC_1 23704	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_10 23701	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_11 23702	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_12 23703	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_2 23705	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_3 23706	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_4 23707	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58



BARRETT_IC_5 23708	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_6 23709	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_7 23710	31.55 1.98 0.00	27.89 1.63 0.00	26.72 1.58 0.00	26.56 1.50 0.00	26.82 1.45 0.00	29.68 1.47 0.00	38.71 1.74 0.00	40.16 1.73 0.00	34.70 1.90 0.00	29.17 1.70 0.00	25.78 1.57 0.00	24.85 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.58 2.19 0.00	30.69 2.53 -0.01	39.82 2.88 -4.17	43.65 3.30 -0.53	51.18 3.79 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.50 2.52 -1.03	27.18 1.86 -2.58
BARRETT_IC_8 23711	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT_IC_9 23700	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT___1 23545	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BARRETT___2 23546	31.58 2.01 0.00	27.89 1.63 0.00	26.74 1.61 0.00	26.59 1.53 0.00	26.82 1.45 0.00	29.82 1.61 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.90 1.69 0.00	24.86 1.84 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.54 2.04 0.00	26.63 2.24 0.00	30.77 2.62 -0.01	39.85 2.92 -4.17	43.65 3.30 -0.53	51.18 3.78 -0.66	51.22 3.92 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.20 1.89 -2.58
BATAVIA__115KV_TB1 55881	28.71 -0.86 0.00	25.66 -0.60 0.00	24.05 -1.08 0.00	23.91 -1.15 0.00	24.26 -1.12 0.00	27.37 -0.85 0.00	35.49 -1.48 0.00	36.85 -1.58 0.00	31.91 -0.89 0.00	26.42 -1.04 0.00	23.36 -0.85 0.00	21.96 -1.06 0.00	21.64 -1.21 0.00	22.43 -1.23 0.00	21.97 -1.53 0.00	22.58 -1.80 0.00	25.87 -2.28 0.00	30.01 -2.75 0.00	36.43 -3.38 0.00	42.95 -3.79 0.00	42.63 -4.01 0.00	33.40 -2.48 0.00	25.94 -2.01 0.00	22.00 -1.14 -0.40
BAYONEEC___CTG1 323682	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BAYONEEC___CTG10 323750	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BAYONEEC___CTG2 323683	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BAYONEEC___CTG3 323684	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BAYONEEC___CTG4 323685	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BAYONEEC___CTG5 323686	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BAYONEEC___CTG6 323687	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57



BAYONEEC___CTG7 323688	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BAYONEEC___CTG8 323689	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BAYONEEC___CTG9 323749	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.92 2.13 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BEACON___LESR 323632	30.46 0.89 0.00	27.03 0.76 0.00	25.91 0.78 0.00	25.81 0.75 0.00	26.11 0.74 0.00	29.06 0.85 0.00	38.08 1.11 0.00	39.58 1.15 0.00	33.84 1.05 0.00	28.43 0.96 0.00	24.93 0.73 0.00	23.73 0.71 0.00	23.56 0.71 0.00	24.35 0.69 0.00	24.24 0.75 0.00	25.31 0.93 0.00	29.38 1.24 0.00	33.98 1.70 0.49	32.21 1.95 9.56	37.06 2.20 11.87	37.00 2.24 11.89	21.90 1.86 15.83	10.60 1.59 18.94	26.74 1.20 -2.80
BEAVER RIVER___HYD 24048	28.83 -0.74 0.00	25.71 -0.55 0.00	24.60 -0.53 0.00	24.81 -0.25 0.00	25.22 -0.15 0.00	28.13 -0.08 0.00	37.01 0.04 0.00	38.54 0.12 0.00	32.30 -0.49 0.00	26.75 -0.71 0.00	23.53 -0.68 0.00	22.32 -0.69 0.00	22.07 -0.78 0.00	22.93 -0.73 0.00	22.74 -0.75 0.00	23.70 -0.68 0.00	27.39 -0.76 0.00	32.11 -0.66 0.00	39.66 -0.16 0.00	47.02 0.28 0.00	46.46 -0.19 0.00	35.30 -0.58 0.00	27.28 -0.67 0.00	22.21 -0.64 -0.11
BEEBEE_GT_13 23619	28.86 -0.71 0.00	25.74 -0.53 0.00	24.30 -0.83 0.00	24.16 -0.90 0.00	24.49 -0.89 0.00	27.51 -0.71 0.00	35.79 -1.18 0.00	37.12 -1.31 0.00	32.10 -0.69 0.00	26.67 -0.80 0.00	23.60 -0.61 0.00	22.25 -0.76 0.00	21.96 -0.89 0.00	22.79 -0.88 0.00	22.34 -1.15 0.00	23.05 -1.34 0.00	26.46 -1.69 0.00	30.67 -2.10 0.00	37.15 -2.67 0.00	43.75 -2.99 0.00	43.52 -3.13 0.00	33.90 -1.97 0.00	26.38 -1.57 0.00	22.27 -0.82 -0.35
BENSHRST_27_KV_BENSHRST_1 355998	31.83 2.25 -0.01	28.08 1.81 0.00	26.95 1.81 -0.01	26.82 1.75 -0.01	27.10 1.73 0.00	29.99 1.78 0.00	39.26 2.29 0.00	40.85 2.42 0.00	35.32 2.53 0.00	29.80 2.33 0.00	26.24 2.03 0.00	25.13 2.12 0.00	24.98 2.13 0.00	25.91 2.25 0.00	25.75 2.26 0.00	26.73 2.34 0.00	30.83 2.67 -0.01	36.04 3.24 -0.03	43.96 3.62 -0.52	51.40 4.02 -0.65	51.54 4.24 -0.65	39.98 3.23 -0.87	31.58 2.60 -1.03	27.46 2.14 -2.58
BETHLEHEM___GRP 23843	30.10 0.53 0.00	26.69 0.42 0.00	25.61 0.48 0.00	25.51 0.45 0.00	25.81 0.43 0.00	28.69 0.48 0.00	37.52 0.55 0.00	38.97 0.54 0.00	33.38 0.59 0.00	28.07 0.60 0.00	24.64 0.44 0.00	23.52 0.51 0.00	23.31 0.46 0.00	24.11 0.45 0.00	24.01 0.52 0.00	24.97 0.59 0.00	28.91 0.76 0.00	33.78 1.21 0.20	37.22 1.35 3.96	43.22 1.40 4.92	43.12 1.40 4.92	30.61 1.29 6.56	21.31 1.20 7.84	26.58 0.86 -2.98
BETHLEHEM___GS1 323560	30.07 0.50 0.00	26.68 0.42 0.00	25.61 0.48 0.00	25.51 0.45 0.00	25.81 0.43 0.00	28.67 0.45 0.00	37.53 0.56 0.00	39.01 0.58 0.00	33.38 0.59 0.00	28.07 0.60 0.00	24.64 0.44 0.00	23.52 0.51 0.00	23.33 0.48 0.00	24.11 0.45 0.00	24.01 0.52 0.00	25.02 0.63 0.00	29.02 0.87 0.00	33.78 1.21 0.20	37.22 1.35 3.96	43.22 1.40 4.92	43.12 1.40 4.92	30.61 1.29 6.56	21.31 1.20 7.84	26.60 0.89 -2.98
BETHLEHEM___GS2 323561	30.07 0.50 0.00	26.68 0.42 0.00	25.61 0.48 0.00	25.51 0.45 0.00	25.81 0.43 0.00	28.67 0.45 0.00	37.53 0.56 0.00	39.01 0.58 0.00	33.38 0.59 0.00	28.07 0.60 0.00	24.64 0.44 0.00	23.52 0.51 0.00	23.33 0.48 0.00	24.11 0.45 0.00	24.01 0.52 0.00	25.02 0.63 0.00	29.02 0.87 0.00	33.78 1.21 0.20	37.22 1.35 3.96	43.22 1.40 4.92	43.12 1.40 4.92	30.61 1.29 6.56	21.31 1.20 7.84	26.60 0.89 -2.98
BETHLEHEM___GS3 323562	30.07 0.50 0.00	26.68 0.42 0.00	25.61 0.48 0.00	25.51 0.45 0.00	25.81 0.43 0.00	28.67 0.45 0.00	37.53 0.56 0.00	39.01 0.58 0.00	33.38 0.59 0.00	28.07 0.60 0.00	24.64 0.44 0.00	23.52 0.51 0.00	23.33 0.48 0.00	24.11 0.45 0.00	24.01 0.52 0.00	25.02 0.63 0.00	29.02 0.87 0.00	33.78 1.21 0.20	37.22 1.35 3.96	43.22 1.40 4.92	43.12 1.40 4.92	30.61 1.29 6.56	21.31 1.20 7.84	26.60 0.89 -2.98
BETHLEHEM___STEEL 23779	28.54 -1.03 0.00	25.42 -0.84 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.01 -1.37 0.00	27.00 -1.21 0.00	35.08 -1.89 0.00	36.31 -2.11 0.00	31.51 -1.28 0.00	26.15 -1.32 0.00	23.17 -1.04 0.00	21.77 -1.24 0.00	21.55 -1.30 0.00	22.29 -1.37 0.00	21.85 -1.64 0.00	22.41 -1.98 0.00	25.56 -2.59 0.00	29.46 -3.31 0.00	35.80 -4.02 0.00	41.97 -4.77 0.00	41.47 -5.18 0.00	32.65 -3.23 0.00	25.35 -2.60 0.00	21.48 -1.71 -0.45
BETHLHEM_115KV_TB1 79974	30.13 0.56 0.00	26.74 0.47 0.00	25.66 0.53 0.00	25.56 0.50 0.00	25.86 0.48 0.00	28.72 0.51 0.00	37.60 0.63 0.00	39.04 0.61 0.00	33.42 0.62 0.00	28.10 0.63 0.00	24.67 0.46 0.00	23.54 0.53 0.00	23.33 0.48 0.00	24.16 0.50 0.00	24.03 0.54 0.00	25.00 0.61 0.00	28.93 0.79 0.00	33.76 1.18 0.19	37.46 1.35 3.72	43.57 1.45 4.62	43.47 1.45 4.62	31.01 1.29 6.16	21.76 1.17 7.36	26.57 0.84 -2.99
BETHPAGE_CC_5 323564	31.73 2.16 0.00	28.00 1.73 0.00	26.84 1.71 0.00	26.69 1.63 0.00	26.90 1.52 0.00	29.88 1.66 0.00	38.82 1.85 0.00	40.50 2.07 0.00	34.79 2.00 0.00	29.25 1.78 0.00	26.00 1.79 0.00	24.97 1.96 0.00	24.86 2.01 0.00	25.72 2.06 0.00	25.68 2.19 0.00	26.78 2.39 0.00	30.94 2.79 -0.01	36.48 3.11 -0.60	43.86 3.50 -0.53	51.51 4.11 -0.66	51.55 4.24 -0.66	40.01 3.26 -0.87	31.53 2.54 -1.03	27.25 1.93 -2.58
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	28.57 -1.01 0.00	25.45 -0.81 0.00	23.88 -1.26 0.00	23.71 -1.35 0.00	24.03 -1.34 0.00	27.03 -1.19 0.00	35.12 -1.85 0.00	36.35 -2.08 0.00	31.55 -1.25 0.00	26.18 -1.29 0.00	23.19 -1.02 0.00	21.77 -1.24 0.00	21.55 -1.30 0.00	22.29 -1.37 0.00	21.85 -1.64 0.00	22.44 -1.95 0.00	25.56 -2.59 0.00	29.49 -3.28 0.00	35.84 -3.98 0.00	42.02 -4.72 0.00	41.51 -5.13 0.00	32.65 -3.23 0.00	25.35 -2.60 0.00	21.44 -1.75 -0.46



BINGHAMTON___COGEN 23790	29.72 0.15 0.00	26.40 0.13 0.00	25.18 0.05 0.00	25.06 0.00 0.00	25.38 0.00 0.00	28.30 0.08 0.00	37.04 0.07 0.00	38.35 -0.08 0.00	32.92 0.13 0.00	27.47 0.00 0.00	24.21 0.00 0.00	22.94 -0.07 0.00	22.76 -0.09 0.00	23.57 -0.09 0.00	23.33 -0.16 0.00	24.19 -0.20 0.00	27.86 -0.28 0.00	32.34 -0.43 0.00	39.42 -0.40 0.00	46.36 -0.37 0.00	46.18 -0.47 0.00	35.66 -0.22 0.00	27.73 -0.22 0.00	23.46 -0.11 -0.84
BIXINCNT_115KV_LOAD 355685	28.77 -0.80 0.00	25.69 -0.58 0.00	24.15 -0.98 0.00	24.03 -1.03 0.00	24.36 -1.02 0.00	27.37 -0.85 0.00	35.68 -1.29 0.00	36.78 -1.65 0.00	31.94 -0.85 0.00	26.42 -1.04 0.00	23.41 -0.80 0.00	21.96 -1.06 0.00	21.78 -1.07 0.00	22.48 -1.18 0.00	22.06 -1.43 0.00	22.58 -1.80 0.00	25.73 -2.42 0.00	29.65 -3.11 0.00	36.12 -3.70 0.00	42.34 -4.39 0.00	41.65 -4.99 0.00	32.50 -3.37 0.00	25.07 -2.88 0.00	21.06 -2.16 -0.48
BLACK RIVER___HYD 24047	29.16 -0.41 0.00	25.98 -0.29 0.00	24.83 -0.30 0.00	24.96 -0.10 0.00	25.43 0.05 0.00	28.36 0.14 0.00	37.49 0.52 0.00	39.01 0.58 0.00	32.57 -0.23 0.00	26.81 -0.66 0.00	23.58 -0.63 0.00	22.35 -0.67 0.00	22.07 -0.78 0.00	22.95 -0.71 0.00	22.74 -0.75 0.00	23.68 -0.71 0.00	27.36 -0.79 0.00	32.08 -0.69 0.00	39.82 0.00 0.00	47.48 0.75 0.00	47.02 0.37 0.00	35.70 -0.18 0.00	27.59 -0.36 0.00	22.48 -0.41 -0.15
BLACKRVR_115KV_TB2 79977	29.16 -0.41 0.00	25.98 -0.29 0.00	24.83 -0.30 0.00	24.96 -0.10 0.00	25.43 0.05 0.00	28.36 0.14 0.00	37.49 0.52 0.00	38.89 0.46 0.00	32.56 -0.23 0.00	26.81 -0.66 0.00	23.58 -0.63 0.00	22.35 -0.67 0.00	22.07 -0.78 0.00	22.95 -0.71 0.00	22.74 -0.75 0.00	23.70 -0.68 0.00	27.39 -0.76 0.00	32.08 -0.69 0.00	39.82 0.00 0.00	47.48 0.75 0.00	47.02 0.37 0.00	35.70 -0.18 0.00	27.59 -0.36 0.00	22.46 -0.43 -0.15
BLISS_WT_PWR 323608	28.77 -0.80 0.00	25.69 -0.58 0.00	24.15 -0.98 0.00	24.03 -1.03 0.00	24.39 -0.99 0.00	27.40 -0.82 0.00	35.71 -1.26 0.00	36.35 -2.08 0.00	32.01 -0.79 0.00	26.45 -1.02 0.00	23.34 -0.87 0.00	21.96 -1.06 0.00	21.66 -1.19 0.00	22.51 -1.16 0.00	22.08 -1.41 0.00	22.61 -1.78 0.00	25.72 -2.42 0.00	29.68 -3.08 0.00	36.12 -3.70 0.00	42.30 -4.44 0.00	41.56 -5.08 0.00	32.40 -3.48 0.00	24.93 -3.02 0.00	20.37 -2.84 -0.48
BLUESTONE___WT_PWR 323821	30.63 1.06 0.00	27.29 1.02 0.00	26.09 0.95 0.00	26.06 1.00 0.00	26.54 1.17 0.00	29.65 1.44 0.00	39.00 2.03 0.00	40.39 1.96 0.00	34.30 1.51 0.00	28.35 0.88 0.00	24.86 0.65 0.00	23.57 0.55 0.00	23.24 0.39 0.00	24.16 0.50 0.00	23.89 0.40 0.00	24.85 0.46 0.00	28.74 0.59 0.00	33.65 0.89 0.00	41.45 1.63 0.00	49.12 2.38 0.00	48.75 2.10 0.00	37.27 1.40 0.00	28.84 0.89 0.00	24.23 0.59 -0.90
BLUE_CIRC_CHEM_DRP 24182	30.40 0.83 0.00	26.97 0.71 0.00	25.86 0.73 0.00	25.79 0.73 0.00	26.09 0.71 0.00	28.98 0.76 0.00	37.93 0.96 0.00	39.27 0.85 0.00	33.45 0.66 0.00	28.04 0.58 0.00	24.62 0.41 0.00	23.43 0.41 0.00	23.26 0.41 0.00	24.09 0.43 0.00	23.96 0.47 0.00	24.90 0.51 0.00	28.82 0.68 0.00	33.63 1.08 0.22	36.92 1.35 4.25	43.05 1.59 5.28	42.99 1.63 5.28	30.16 1.33 7.04	20.71 1.17 8.42	26.53 0.86 -2.93
BOC_GAS_DRP 24189	30.28 0.71 0.00	26.84 0.58 0.00	25.76 0.63 0.00	25.66 0.60 0.00	25.96 0.58 0.00	28.84 0.62 0.00	37.75 0.78 0.00	39.20 0.77 0.00	33.48 0.69 0.00	28.10 0.63 0.00	24.74 0.53 0.00	23.57 0.55 0.00	23.42 0.57 0.00	24.26 0.59 0.00	24.10 0.61 0.00	25.02 0.63 0.00	28.93 0.79 0.00	33.73 1.08 0.12	38.67 1.23 2.38	45.14 1.36 2.96	45.08 1.40 2.96	33.08 1.15 3.94	24.21 0.98 4.72	26.51 0.75 -3.02
BOONVILLE_115KV_TB1 79983	29.66 0.09 0.00	26.40 0.13 0.00	25.26 0.13 0.00	25.34 0.28 0.00	25.73 0.36 0.00	28.67 0.45 0.00	37.67 0.70 0.00	39.12 0.69 0.00	33.12 0.33 0.00	27.52 0.05 0.00	24.21 0.00 0.00	22.97 -0.05 0.00	22.74 -0.11 0.00	23.59 -0.07 0.00	23.40 -0.09 0.00	24.36 -0.02 0.00	28.17 0.03 0.00	32.93 0.16 0.00	40.42 0.60 0.00	47.81 1.07 0.00	47.39 0.75 0.00	36.20 0.32 0.00	28.06 0.11 0.00	22.86 0.02 -0.10
BORALEX_4TH_BRANCH 23824	31.20 1.63 0.00	27.66 1.39 0.00	26.52 1.38 0.00	26.39 1.33 0.00	26.72 1.34 0.00	29.77 1.55 0.00	39.08 2.11 0.00	40.54 2.11 0.00	34.73 1.93 0.00	29.25 1.79 0.00	25.59 1.38 0.00	24.35 1.33 0.00	24.13 1.28 0.00	24.94 1.28 0.00	24.86 1.36 0.00	26.00 1.61 0.00	30.12 1.97 0.00	35.99 2.85 -0.37	50.43 3.30 -7.30	59.50 3.69 -9.07	59.37 3.64 -9.08	50.95 2.98 -12.10	44.91 2.49 -14.47	28.05 1.98 -3.33
BOWLINE___1 23526	31.02 1.45 0.00	27.45 1.18 0.00	26.34 1.21 0.00	26.21 1.15 0.00	26.49 1.12 0.00	29.40 1.18 0.00	38.49 1.52 0.00	40.08 1.65 0.00	34.47 1.67 0.00	28.98 1.51 0.00	25.54 1.33 0.00	24.39 1.38 0.00	24.24 1.39 0.00	25.11 1.44 0.00	24.95 1.46 0.00	26.00 1.61 0.00	30.03 1.89 0.00	35.02 2.23 -0.02	42.85 2.55 -0.48	50.23 2.90 -0.60	50.27 3.03 -0.60	38.97 2.30 -0.80	30.77 1.87 -0.95	26.73 1.50 -2.49
BOWLINE___2 23595	31.02 1.45 0.00	27.45 1.18 0.00	26.34 1.21 0.00	26.21 1.15 0.00	26.49 1.12 0.00	29.40 1.18 0.00	38.49 1.52 0.00	40.12 1.69 0.00	34.47 1.67 0.00	29.00 1.54 0.00	25.56 1.35 0.00	24.39 1.38 0.00	24.24 1.39 0.00	25.11 1.44 0.00	24.97 1.48 0.00	26.00 1.61 0.00	30.03 1.89 0.00	35.02 2.23 -0.02	42.85 2.55 -0.48	50.23 2.90 -0.60	50.27 3.03 -0.60	38.97 2.30 -0.80	30.77 1.87 -0.95	26.75 1.52 -2.49
BRADY___115KV_TB2 356060	29.54 -0.03 0.00	26.29 0.03 0.00	25.06 -0.08 0.00	25.16 0.10 0.00	25.53 0.15 0.00	28.36 0.14 0.00	37.15 0.18 0.00	38.58 0.15 0.00	32.53 -0.26 0.00	27.19 -0.27 0.00	23.94 -0.27 0.00	22.69 -0.32 0.00	22.53 -0.32 0.00	23.33 -0.33 0.00	23.19 -0.31 0.00	24.12 -0.27 0.00	27.86 -0.28 0.00	32.67 -0.10 0.00	40.06 0.24 0.00	46.83 0.09 0.00	46.74 0.09 0.00	35.84 -0.04 0.00	27.70 -0.25 0.00	22.44 -0.30 0.00
BRANSCOMB___SOLAR 323811	31.05 1.48 0.00	27.55 1.29 0.00	26.39 1.26 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.65 1.44 0.00	38.93 1.96 0.00	40.43 2.00 0.00	34.27 1.48 0.00	28.65 1.18 0.00	25.08 0.87 0.00	23.77 0.76 0.00	23.60 0.75 0.00	24.42 0.76 0.00	24.32 0.82 0.00	25.39 1.00 0.00	29.52 1.38 0.00	34.75 1.64 -0.35	48.66 2.03 -6.81	57.76 2.57 -8.46	57.82 2.70 -8.47	49.20 2.04 -11.28	43.06 1.62 -13.49	27.43 1.30 -3.40
BRENTWOD_69_KV_W. BRTWOOD 56703	31.85 2.28 0.00	28.16 1.89 0.00	26.94 1.81 0.00	26.81 1.75 0.00	27.05 1.67 0.00	29.77 1.55 0.00	38.86 1.89 0.00	40.35 1.92 0.00	34.76 1.97 0.00	29.25 1.79 0.00	25.88 1.67 0.00	25.06 2.05 0.00	24.98 2.13 0.00	25.84 2.18 0.00	25.82 2.33 0.00	26.87 2.49 0.00	31.11 2.96 -0.01	36.48 3.44 -0.27	44.29 3.94 -0.53	51.97 4.58 -0.66	52.01 4.71 -0.66	40.52 3.77 -0.87	31.83 2.85 -1.03	27.41 2.09 -2.58



BRISTLHL_115KV_TB1 79998	29.07 -0.50 0.00	25.85 -0.42 0.00	24.68 -0.45 0.00	24.61 -0.45 0.00	24.89 -0.48 0.00	27.76 -0.45 0.00	36.38 -0.59 0.00	37.89 -0.54 0.00	32.30 -0.49 0.00	27.00 -0.47 0.00	23.82 -0.39 0.00	22.62 -0.39 0.00	22.46 -0.39 0.00	23.24 -0.43 0.00	23.07 -0.42 0.00	23.97 -0.41 0.00	27.64 -0.51 0.00	31.95 -0.82 0.00	38.86 -0.96 0.00	45.76 -0.98 0.00	45.62 -1.03 0.00	35.12 -0.75 0.00	27.31 -0.64 0.00	22.46 -0.50 -0.22
BROOKHAVEN___DRP 24191	31.61 2.04 0.00	28.00 1.73 0.00	26.79 1.66 0.00	26.66 1.60 0.00	26.87 1.50 0.00	29.32 1.10 0.00	38.08 1.11 0.00	39.58 1.15 0.00	34.04 1.25 0.00	28.79 1.32 0.00	25.42 1.21 0.00	24.83 1.82 0.00	24.82 1.97 0.00	25.63 1.96 0.00	25.70 2.21 0.00	26.70 2.32 0.00	30.94 2.79 -0.01	35.91 2.92 -0.23	43.61 3.27 -0.53	51.27 3.88 -0.66	51.31 4.01 -0.66	40.23 3.48 -0.87	31.50 2.52 -1.03	27.16 1.84 -2.58
BROOKLYN_NAVY_YARD 23515	31.32 1.74 0.00	27.66 1.39 0.00	26.54 1.41 0.00	26.41 1.35 0.00	26.69 1.32 0.00	29.68 1.47 0.00	38.89 1.92 0.00	40.58 2.15 0.00	34.96 2.16 0.00	29.45 1.98 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.65 1.80 0.00	25.56 1.89 0.00	25.40 1.90 0.00	26.44 2.05 0.00	30.51 2.36 0.00	35.61 2.82 -0.03	43.45 3.11 -0.52	50.93 3.55 -0.65	51.07 3.78 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.11 1.80 -2.57
BROOKLYN___ARMY_DRP 323595	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
BROOKVLE_69_KV_TB1 55790	31.58 2.01 0.00	27.92 1.65 0.00	26.77 1.63 0.00	26.61 1.55 0.00	26.90 1.52 0.00	29.80 1.58 0.00	38.97 2.00 0.00	40.50 2.08 0.00	34.93 2.13 0.00	29.36 1.90 0.00	25.95 1.74 0.00	24.95 1.93 0.00	24.79 1.94 0.00	25.70 2.04 0.00	25.58 2.09 0.00	26.63 2.24 0.00	30.75 2.59 0.00	36.98 3.11 -1.10	43.90 3.54 -0.54	51.47 4.07 -0.66	51.51 4.20 -0.66	39.98 3.23 -0.88	31.53 2.54 -1.03	27.22 1.91 -2.58
BROOME_2_LFGE 323671	29.72 0.15 0.00	26.40 0.13 0.00	25.18 0.05 0.00	25.06 0.00 0.00	25.38 0.00 0.00	28.30 0.08 0.00	37.04 0.07 0.00	38.28 -0.15 0.00	32.96 0.16 0.00	27.47 0.00 0.00	24.18 -0.02 0.00	22.94 -0.07 0.00	22.74 -0.11 0.00	23.57 -0.09 0.00	23.33 -0.16 0.00	24.17 -0.22 0.00	27.86 -0.28 0.00	32.34 -0.43 0.00	39.42 -0.40 0.00	46.36 -0.38 0.00	46.18 -0.47 0.00	35.66 -0.21 0.00	27.72 -0.22 0.00	23.39 -0.18 -0.84
BROOME___LFGE 323600	29.72 0.15 0.00	26.40 0.13 0.00	25.18 0.05 0.00	25.06 0.00 0.00	25.38 0.00 0.00	28.30 0.08 0.00	37.04 0.07 0.00	38.28 -0.15 0.00	32.96 0.16 0.00	27.47 0.00 0.00	24.18 -0.02 0.00	22.94 -0.07 0.00	22.74 -0.11 0.00	23.57 -0.09 0.00	23.33 -0.16 0.00	24.17 -0.22 0.00	27.86 -0.28 0.00	32.34 -0.43 0.00	39.42 -0.40 0.00	46.36 -0.38 0.00	46.18 -0.47 0.00	35.66 -0.21 0.00	27.72 -0.22 0.00	23.39 -0.18 -0.84
BROWNFLS_115KV_TB_3_5 80003	28.60 -0.98 0.00	25.48 -0.79 0.00	24.35 -0.78 0.00	24.51 -0.55 0.00	24.92 -0.46 0.00	27.71 -0.51 0.00	36.34 -0.63 0.00	37.78 -0.65 0.00	31.78 -1.02 0.00	26.42 -1.04 0.00	23.26 -0.94 0.00	22.05 -0.97 0.00	21.84 -1.01 0.00	22.67 -0.99 0.00	22.51 -0.99 0.00	23.44 -0.95 0.00	27.10 -1.04 0.00	31.78 -0.98 0.00	39.10 -0.72 0.00	46.04 -0.70 0.00	45.67 -0.98 0.00	34.87 -1.00 0.00	26.92 -1.03 0.00	21.86 -0.96 -0.08
BROWNSV1_27_KV_LOAD 356125	31.52 1.95 0.00	27.84 1.58 0.00	26.72 1.58 0.00	26.56 1.50 0.00	26.87 1.50 0.00	29.82 1.61 0.00	39.11 2.14 0.00	40.77 2.34 0.00	35.15 2.36 0.00	29.64 2.17 0.00	26.09 1.89 0.00	24.99 1.98 0.00	24.82 1.97 0.00	25.72 2.06 0.00	25.56 2.07 0.00	26.53 2.15 0.00	30.59 2.45 0.00	35.81 3.01 -0.03	43.76 3.42 -0.52	51.31 3.93 -0.65	51.40 4.10 -0.65	39.75 3.01 -0.86	31.39 2.40 -1.03	27.25 1.93 -2.57
BURROWS___LYONSDAL 23803	29.42 -0.15 0.00	26.21 -0.05 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.63 0.25 0.00	28.55 0.34 0.00	37.52 0.55 0.00	38.97 0.54 0.00	32.96 0.16 0.00	27.33 -0.14 0.00	24.04 -0.17 0.00	22.83 -0.18 0.00	22.58 -0.27 0.00	23.45 -0.21 0.00	23.23 -0.26 0.00	24.19 -0.20 0.00	28.00 -0.14 0.00	32.77 0.00 0.00	40.26 0.44 0.00	47.62 0.89 0.00	47.11 0.47 0.00	35.95 0.07 0.00	27.84 -0.11 0.00	22.66 -0.18 -0.10
CAITHNESS_CC_1 323624	31.70 2.13 0.00	27.95 1.68 0.00	26.82 1.68 0.00	26.69 1.63 0.00	26.85 1.47 0.00	29.65 1.44 0.00	38.15 1.18 0.00	39.85 1.42 0.00	34.14 1.35 0.00	28.84 1.37 0.00	25.73 1.53 0.00	24.83 1.82 0.00	24.82 1.97 0.00	25.63 1.96 0.00	25.68 2.19 0.00	26.73 2.34 0.00	31.00 2.84 -0.01	35.98 2.98 -0.23	43.65 3.30 -0.53	51.27 3.88 -0.66	51.36 4.06 -0.66	40.19 3.44 -0.87	31.50 2.52 -1.03	27.18 1.87 -2.58
CALPINE BETH_PAGE_GT4 24209	31.67 2.10 0.00	27.97 1.71 0.00	26.82 1.68 0.00	26.66 1.60 0.00	26.90 1.52 0.00	29.74 1.52 0.00	38.86 1.89 0.00	40.35 1.92 0.00	34.79 2.00 0.00	29.28 1.81 0.00	25.88 1.67 0.00	24.97 1.96 0.00	24.84 1.99 0.00	25.72 2.06 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.65 -0.01	36.48 2.95 -0.77	43.70 3.34 -0.53	51.27 3.88 -0.66	51.32 4.01 -0.66	39.84 3.09 -0.88	31.44 2.46 -1.03	27.18 1.86 -2.58
CALPINE_BETH_PAGE_GT_4 323586	31.70 2.13 0.00	27.97 1.71 0.00	26.82 1.68 0.00	26.69 1.63 0.00	26.90 1.52 0.00	29.88 1.66 0.00	38.85 1.88 0.00	40.50 2.07 0.00	34.79 2.00 0.00	29.28 1.81 0.00	26.00 1.79 0.00	24.97 1.96 0.00	24.84 1.99 0.00	25.72 2.06 0.00	25.65 2.16 0.00	26.78 2.39 0.00	30.89 2.73 -0.01	36.51 2.98 -0.77	43.70 3.35 -0.53	51.27 3.88 -0.66	51.36 4.06 -0.66	39.84 3.09 -0.88	31.39 2.40 -1.03	27.18 1.87 -2.58
CALPINE_BP_GT1 23823	31.70 2.13 0.00	27.97 1.71 0.00	26.82 1.68 0.00	26.69 1.63 0.00	26.90 1.52 0.00	29.88 1.66 0.00	38.85 1.88 0.00	40.50 2.07 0.00	34.79 2.00 0.00	29.28 1.81 0.00	26.00 1.79 0.00	24.97 1.96 0.00	24.84 1.99 0.00	25.72 2.06 0.00	25.65 2.16 0.00	26.78 2.39 0.00	30.89 2.73 -0.01	36.51 2.98 -0.77	43.70 3.35 -0.53	51.27 3.88 -0.66	51.36 4.06 -0.66	39.84 3.09 -0.88	31.39 2.40 -1.03	27.18 1.87 -2.58
CALSPAN___DRP 24200	28.54 -1.03 0.00	25.42 -0.84 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.01 -1.37 0.00	27.00 -1.21 0.00	35.08 -1.89 0.00	36.31 -2.11 0.00	31.51 -1.28 0.00	26.15 -1.32 0.00	23.17 -1.04 0.00	21.77 -1.24 0.00	21.55 -1.30 0.00	22.29 -1.37 0.00	21.85 -1.64 0.00	22.41 -1.98 0.00	25.56 -2.59 0.00	29.46 -3.31 0.00	35.80 -4.02 0.00	41.97 -4.77 0.00	41.47 -5.18 0.00	32.65 -3.23 0.00	25.35 -2.60 0.00	21.48 -1.71 -0.45



CALVERTON___SOLAR 323806	31.76 2.19 0.00	28.03 1.76 0.00	26.87 1.73 0.00	26.76 1.70 0.00	26.90 1.52 0.00	29.65 1.44 0.00	38.00 1.03 0.00	39.69 1.27 0.00	33.97 1.18 0.00	28.73 1.26 0.00	25.68 1.48 0.00	24.83 1.82 0.00	24.84 1.99 0.00	25.63 1.96 0.00	25.73 2.23 0.00	26.78 2.39 0.00	31.05 2.90 -0.01	35.95 2.95 -0.23	43.62 3.27 -0.53	51.27 3.88 -0.66	51.36 4.06 -0.66	40.30 3.55 -0.87	31.47 2.49 -1.03	27.18 1.87 -2.58
CANDIGU_WT_PWR 323617	29.16 -0.41 0.00	26.00 -0.26 0.00	24.63 -0.50 0.00	24.48 -0.58 0.00	24.84 -0.53 0.00	27.85 -0.37 0.00	36.34 -0.63 0.00	37.12 -1.31 0.00	32.24 -0.56 0.00	26.67 -0.80 0.00	23.46 -0.75 0.00	22.16 -0.85 0.00	21.87 -0.98 0.00	22.69 -0.97 0.00	22.34 -1.15 0.00	23.05 -1.34 0.00	26.43 -1.72 0.00	30.67 -2.10 0.00	37.51 -2.31 0.00	44.21 -2.52 0.00	43.80 -2.85 0.00	34.01 -1.87 0.00	26.27 -1.68 0.00	21.88 -1.46 -0.59
CARR STREET_E_SYR 24060	29.25 -0.32 0.00	26.00 -0.26 0.00	24.81 -0.33 0.00	24.71 -0.35 0.00	25.02 -0.36 0.00	27.91 -0.31 0.00	36.56 -0.41 0.00	38.08 -0.35 0.00	32.50 -0.30 0.00	27.17 -0.30 0.00	23.96 -0.24 0.00	22.76 -0.25 0.00	22.60 -0.25 0.00	23.38 -0.28 0.00	23.21 -0.28 0.00	24.05 -0.34 0.00	27.72 -0.42 0.00	32.11 -0.66 0.00	39.06 -0.76 0.00	45.99 -0.75 0.00	45.85 -0.79 0.00	35.30 -0.58 0.00	27.47 -0.48 0.00	22.65 -0.34 -0.25
CARTHAGE___PAPER 23857	28.92 -0.65 0.00	25.77 -0.50 0.00	24.65 -0.48 0.00	24.83 -0.23 0.00	25.27 -0.10 0.00	28.19 -0.03 0.00	37.19 0.22 0.00	38.73 0.31 0.00	32.37 -0.43 0.00	26.75 -0.71 0.00	23.50 -0.70 0.00	22.30 -0.71 0.00	22.05 -0.80 0.00	22.91 -0.76 0.00	22.69 -0.80 0.00	23.66 -0.73 0.00	27.36 -0.79 0.00	32.08 -0.69 0.00	39.74 -0.08 0.00	47.20 0.47 0.00	46.74 0.09 0.00	35.52 -0.36 0.00	27.42 -0.53 0.00	22.33 -0.55 -0.14
CASSADAGA_WT_PWR 323784	29.69 0.12 0.00	26.53 0.26 0.00	24.93 -0.20 0.00	24.78 -0.28 0.00	25.15 -0.23 0.00	28.24 0.03 0.00	36.86 -0.11 0.00	37.47 -0.96 0.00	32.96 0.16 0.00	27.19 -0.27 0.00	23.96 -0.24 0.00	22.58 -0.44 0.00	22.30 -0.55 0.00	23.17 -0.50 0.00	22.69 -0.80 0.00	23.22 -1.17 0.00	26.40 -1.75 0.00	30.51 -2.26 0.00	37.07 -2.75 0.00	43.28 -3.46 0.00	42.35 -4.29 0.00	32.93 -2.94 0.00	25.27 -2.68 0.00	20.65 -2.57 -0.48
CE_DUNWOOD___DRP 24194	31.17 1.60 0.00	27.55 1.29 0.00	26.47 1.33 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.54 1.33 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.70 1.90 0.00	29.17 1.70 0.00	25.71 1.50 0.00	24.58 1.56 0.00	24.40 1.55 0.00	25.30 1.63 0.00	25.16 1.67 0.00	26.12 1.73 0.00	30.14 2.00 0.00	35.32 2.52 -0.03	43.21 2.87 -0.52	50.65 3.27 -0.65	50.70 3.41 -0.65	39.28 2.55 -0.86	31.05 2.07 -1.03	26.95 1.64 -2.57
CE_MILLWOOD___DRP 24193	31.14 1.57 0.00	27.53 1.26 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.48 1.27 0.00	38.63 1.66 0.00	40.23 1.81 0.00	34.60 1.80 0.00	29.12 1.65 0.00	25.63 1.43 0.00	24.51 1.50 0.00	24.36 1.51 0.00	25.23 1.56 0.00	25.09 1.60 0.00	26.07 1.68 0.00	30.09 1.94 0.00	35.22 2.42 -0.03	43.12 2.79 -0.52	50.56 3.18 -0.64	50.60 3.31 -0.64	39.21 2.48 -0.86	30.99 2.01 -1.02	26.89 1.59 -2.56
CE_NYC2_DRP 24202	31.50 1.92 -0.01	27.84 1.58 0.00	26.72 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.71 1.50 0.00	38.93 1.96 0.00	40.50 2.08 0.00	34.99 2.20 0.00	29.53 2.06 0.00	26.00 1.79 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.65 1.99 0.00	25.49 2.00 0.00	26.48 2.10 0.00	30.51 2.36 0.00	35.68 2.88 -0.03	43.57 3.23 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.54 2.80 -0.86	31.27 2.29 -1.03	27.23 1.91 -2.58
CE_NYC_DRP 24195	31.37 1.80 0.00	27.71 1.44 0.00	26.62 1.48 0.00	26.46 1.40 0.00	26.77 1.40 0.00	29.71 1.50 0.00	38.97 2.00 0.00	40.58 2.15 0.00	34.99 2.20 0.00	29.50 2.03 0.00	25.97 1.77 0.00	24.88 1.86 0.00	24.70 1.85 0.00	25.58 1.92 0.00	25.44 1.95 0.00	26.41 2.02 0.00	30.45 2.31 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	51.03 3.65 -0.65	51.17 3.87 -0.65	39.57 2.83 -0.86	31.27 2.29 -1.03	27.13 1.82 -2.57
CHAFFEE___LFGE 323603	28.65 -0.92 0.00	25.50 -0.76 0.00	24.03 -1.11 0.00	23.86 -1.20 0.00	24.18 -1.19 0.00	27.09 -1.13 0.00	35.34 -1.63 0.00	35.85 -2.57 0.00	31.61 -1.18 0.00	26.09 -1.37 0.00	23.00 -1.21 0.00	21.68 -1.34 0.00	21.39 -1.46 0.00	22.20 -1.47 0.00	21.80 -1.69 0.00	22.36 -2.02 0.00	25.53 -2.62 0.00	29.59 -3.18 0.00	35.92 -3.90 0.00	42.11 -4.63 0.00	41.61 -5.04 0.00	32.75 -3.12 0.00	25.43 -2.52 0.00	20.93 -2.27 -0.46
CHATEAUG_35_KV_LOAD 355732	29.33 -0.24 0.00	26.13 -0.13 0.00	24.91 -0.23 0.00	25.01 -0.05 0.00	25.38 0.00 0.00	28.19 -0.03 0.00	37.04 0.07 0.00	38.58 0.15 0.00	32.70 -0.10 0.00	27.47 0.00 0.00	24.21 0.00 0.00	22.92 -0.09 0.00	22.74 -0.11 0.00	23.50 -0.17 0.00	23.33 -0.16 0.00	24.26 -0.12 0.00	28.06 -0.08 0.00	32.90 0.13 0.00	40.22 0.40 0.00	47.11 0.37 0.00	47.02 0.37 0.00	35.91 0.04 0.00	27.67 -0.28 0.00	22.33 -0.41 0.00
CHATEAUG_WT_PWR 323614	29.30 -0.27 0.00	26.11 -0.16 0.00	24.91 -0.23 0.00	24.99 -0.07 0.00	25.35 -0.03 0.00	28.16 -0.06 0.00	37.01 0.04 0.00	38.54 0.12 0.00	32.70 -0.10 0.00	27.52 0.06 0.00	24.25 0.05 0.00	22.92 -0.09 0.00	22.76 -0.09 0.00	23.50 -0.16 0.00	23.35 -0.14 0.00	24.29 -0.10 0.00	28.06 -0.08 0.00	32.86 0.10 0.00	40.14 0.32 0.00	46.97 0.23 0.00	46.88 0.23 0.00	35.84 -0.04 0.00	27.64 -0.31 0.00	22.35 -0.39 0.00
CHAT_HIGH_FALL_HYD 323578	29.33 -0.24 0.00	26.13 -0.13 0.00	24.91 -0.23 0.00	25.01 -0.05 0.00	25.38 0.00 0.00	28.19 -0.03 0.00	37.04 0.07 0.00	38.58 0.15 0.00	32.70 -0.10 0.00	27.47 0.00 0.00	24.21 0.00 0.00	22.92 -0.09 0.00	22.74 -0.11 0.00	23.50 -0.17 0.00	23.33 -0.16 0.00	24.26 -0.12 0.00	28.06 -0.08 0.00	32.90 0.13 0.00	40.22 0.40 0.00	47.11 0.37 0.00	47.02 0.37 0.00	35.91 0.04 0.00	27.67 -0.28 0.00	22.33 -0.41 0.00
CHAUTAUQUA___LFGE 323629	29.48 -0.09 0.00	26.29 0.03 0.00	24.71 -0.43 0.00	24.53 -0.53 0.00	24.87 -0.51 0.00	27.93 -0.28 0.00	36.38 -0.59 0.00	37.01 -1.42 0.00	32.60 -0.20 0.00	26.94 -0.52 0.00	23.75 -0.46 0.00	22.39 -0.62 0.00	22.07 -0.78 0.00	22.95 -0.71 0.00	22.51 -0.99 0.00	23.07 -1.32 0.00	26.26 -1.89 0.00	30.31 -2.46 0.00	36.83 -2.99 0.00	43.09 -3.65 0.00	42.35 -4.29 0.00	33.15 -2.73 0.00	25.60 -2.35 0.00	21.02 -2.18 -0.47
CHERRYST_13_KV_LD 356241	31.43 1.86 0.00	27.79 1.52 0.00	26.67 1.53 0.00	26.54 1.48 0.00	26.82 1.45 0.00	29.80 1.58 0.00	39.04 2.07 0.00	40.70 2.27 0.00	35.09 2.30 0.00	29.58 2.11 0.00	26.05 1.84 0.00	24.95 1.93 0.00	24.77 1.92 0.00	25.65 1.99 0.00	25.51 2.02 0.00	26.48 2.10 0.00	30.54 2.39 0.00	35.74 2.95 -0.03	43.65 3.30 -0.52	51.17 3.79 -0.65	51.26 3.96 -0.65	39.64 2.91 -0.86	31.33 2.35 -1.03	27.18 1.86 -2.57



CHESTROR_138KV_BK263 355645	30.78 1.21 0.00	27.26 1.00 0.00	26.16 1.03 0.00	26.04 0.98 0.00	26.31 0.94 0.00	29.20 0.99 0.00	38.26 1.29 0.00	39.77 1.34 0.00	34.17 1.38 0.00	28.70 1.24 0.00	25.27 1.07 0.00	24.14 1.13 0.00	23.97 1.12 0.00	24.82 1.16 0.00	24.69 1.20 0.00	25.63 1.24 0.00	29.64 1.49 0.00	34.66 1.87 -0.02	42.40 2.15 -0.43	49.75 2.48 -0.54	49.79 2.61 -0.54	38.53 1.94 -0.72	30.43 1.62 -0.86	26.40 1.27 -2.39
CH_MIDHUDSON___DRP 24192	31.02 1.45 0.00	27.45 1.18 0.00	26.36 1.23 0.00	26.24 1.18 0.00	26.54 1.17 0.00	29.46 1.24 0.00	38.63 1.66 0.00	40.16 1.73 0.00	34.43 1.64 0.00	28.92 1.46 0.00	25.44 1.23 0.00	24.28 1.27 0.00	24.13 1.28 0.00	24.99 1.33 0.00	24.86 1.36 0.00	25.83 1.44 0.00	29.86 1.72 0.00	35.02 2.23 -0.02	42.82 2.59 -0.42	50.25 2.99 -0.52	50.24 3.08 -0.52	38.86 2.30 -0.69	30.68 1.90 -0.83	26.87 1.52 -2.61
CH_MISC_IPPS 23765	31.08 1.51 0.00	27.50 1.23 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.51 1.30 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.50 1.70 0.00	28.95 1.48 0.00	25.49 1.28 0.00	24.28 1.26 0.00	24.13 1.28 0.00	24.99 1.32 0.00	24.86 1.36 0.00	25.90 1.51 0.00	29.97 1.83 0.00	35.08 2.29 -0.02	42.93 2.71 -0.40	50.41 3.18 -0.50	50.41 3.26 -0.50	38.94 2.40 -0.66	30.67 1.93 -0.79	26.87 1.57 -2.56
CH_RES_BVR_FALLS 23983	29.10 -0.47 0.00	25.90 -0.37 0.00	24.78 -0.35 0.00	24.81 -0.25 0.00	25.15 -0.23 0.00	27.96 -0.25 0.00	36.67 -0.30 0.00	38.20 -0.23 0.00	32.50 -0.30 0.00	27.25 -0.22 0.00	24.01 -0.19 0.00	22.81 -0.21 0.00	22.64 -0.21 0.00	23.43 -0.24 0.00	23.28 -0.21 0.00	24.17 -0.22 0.00	27.92 -0.23 0.00	32.57 -0.20 0.00	39.66 -0.16 0.00	46.41 -0.32 0.00	46.27 -0.37 0.00	35.37 -0.50 0.00	27.33 -0.62 0.00	22.15 -0.59 0.00
CH_RES_NIAGARA 23895	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.29 -2.08 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	35.28 -3.15 0.00	30.66 -2.13 0.00	25.52 -1.95 0.00	22.66 -1.55 0.00	21.29 -1.73 0.00	21.02 -1.83 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.94 -3.21 0.00	28.67 -4.10 0.00	34.72 -5.10 0.00	40.61 -6.12 0.00	40.21 -6.44 0.00	31.75 -4.13 0.00	24.79 -3.16 0.00	21.18 -1.98 -0.42
CH_RES_SYRACUSE 23985	29.37 -0.21 0.00	26.13 -0.13 0.00	24.93 -0.20 0.00	24.83 -0.23 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.79 -0.18 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.24 -0.26 0.00	24.10 -0.29 0.00	27.75 -0.39 0.00	32.18 -0.59 0.00	39.18 -0.64 0.00	46.13 -0.61 0.00	45.99 -0.65 0.00	35.41 -0.47 0.00	27.53 -0.42 0.00	22.75 -0.27 -0.28
CLINTON_WT_PWR 323605	29.30 -0.27 0.00	26.11 -0.16 0.00	24.91 -0.23 0.00	24.99 -0.07 0.00	25.35 -0.03 0.00	28.16 -0.06 0.00	37.01 0.04 0.00	38.54 0.12 0.00	32.70 -0.10 0.00	27.52 0.06 0.00	24.25 0.05 0.00	22.92 -0.09 0.00	22.76 -0.09 0.00	23.50 -0.16 0.00	23.35 -0.14 0.00	24.29 -0.10 0.00	28.06 -0.08 0.00	32.86 0.10 0.00	40.14 0.32 0.00	46.97 0.23 0.00	46.88 0.23 0.00	35.84 -0.04 0.00	27.64 -0.31 0.00	22.35 -0.39 0.00
CLINTON___LFGE 323618	29.63 0.06 0.00	26.40 0.13 0.00	25.13 0.00 0.00	25.26 0.20 0.00	25.63 0.25 0.00	28.47 0.25 0.00	37.49 0.52 0.00	39.08 0.65 0.00	33.05 0.26 0.00	28.05 0.58 0.00	24.74 0.53 0.00	23.18 0.16 0.00	22.99 0.14 0.00	23.74 0.07 0.00	23.59 0.09 0.00	24.56 0.17 0.00	28.37 0.22 0.00	33.26 0.49 0.00	40.69 0.87 0.00	47.67 0.93 0.00	47.63 0.98 0.00	36.31 0.43 0.00	27.92 -0.03 0.00	22.56 -0.18 0.00
COBBLENY_34_KV_TB1 80064	28.65 -0.92 0.00	25.50 -0.76 0.00	24.03 -1.11 0.00	23.88 -1.18 0.00	24.18 -1.19 0.00	27.09 -1.13 0.00	35.34 -1.63 0.00	36.24 -2.19 0.00	31.58 -1.21 0.00	26.09 -1.37 0.00	23.07 -1.14 0.00	21.68 -1.33 0.00	21.48 -1.37 0.00	22.20 -1.47 0.00	21.80 -1.69 0.00	22.34 -2.05 0.00	25.50 -2.65 0.00	29.56 -3.21 0.00	35.92 -3.90 0.00	42.11 -4.63 0.00	41.61 -5.04 0.00	32.75 -3.12 0.00	25.41 -2.54 0.00	21.54 -1.66 -0.46
COFFEEN___115KV_TB3 355620	29.28 -0.30 0.00	26.08 -0.18 0.00	24.93 -0.20 0.00	25.06 0.00 0.00	25.53 0.15 0.00	28.50 0.28 0.00	37.67 0.70 0.00	39.04 0.61 0.00	32.66 -0.13 0.00	26.84 -0.63 0.00	23.60 -0.61 0.00	22.37 -0.64 0.00	22.07 -0.78 0.00	22.95 -0.71 0.00	22.74 -0.75 0.00	23.73 -0.66 0.00	27.41 -0.73 0.00	32.14 -0.62 0.00	39.98 0.16 0.00	47.72 0.98 0.00	47.25 0.61 0.00	35.88 0.00 0.00	27.70 -0.25 0.00	22.55 -0.34 -0.15
COLDSPRG_115KV_BK1 355956	29.69 0.12 0.00	26.48 0.21 0.00	24.88 -0.25 0.00	24.76 -0.30 0.00	25.10 -0.28 0.00	28.16 -0.06 0.00	36.82 -0.15 0.00	37.89 -0.54 0.00	32.89 0.10 0.00	27.14 -0.33 0.00	24.01 -0.19 0.00	22.51 -0.51 0.00	22.35 -0.50 0.00	23.10 -0.57 0.00	22.65 -0.85 0.00	23.17 -1.22 0.00	26.37 -1.77 0.00	30.47 -2.29 0.00	37.11 -2.71 0.00	43.51 -3.22 0.00	42.73 -3.92 0.00	33.44 -2.44 0.00	25.77 -2.18 0.00	21.64 -1.59 -0.49
COLONIE_LFGE___ 323577	30.78 1.21 0.00	27.32 1.05 0.00	26.16 1.03 0.00	26.09 1.03 0.00	26.39 1.02 0.00	29.34 1.13 0.00	38.52 1.55 0.00	40.08 1.65 0.00	34.20 1.41 0.00	28.70 1.24 0.00	25.15 0.94 0.00	23.91 0.90 0.00	23.74 0.89 0.00	24.54 0.88 0.00	24.46 0.96 0.00	25.53 1.15 0.00	29.64 1.49 0.00	35.13 1.97 -0.40	49.94 2.31 -7.81	59.10 2.66 -9.70	59.06 2.70 -9.71	50.96 2.15 -12.94	45.18 1.76 -15.47	27.52 1.39 -3.40
COOPERNY_115KV_TB1 80082	30.46 0.89 0.00	27.00 0.74 0.00	25.89 0.75 0.00	25.79 0.73 0.00	26.09 0.71 0.00	28.95 0.73 0.00	37.93 0.96 0.00	39.43 1.00 0.00	33.81 1.02 0.00	28.37 0.91 0.00	24.98 0.77 0.00	23.82 0.81 0.00	23.65 0.80 0.00	24.52 0.85 0.00	24.36 0.87 0.00	25.29 0.90 0.00	29.19 1.04 0.00	34.08 1.31 0.00	41.33 1.51 0.00	48.51 1.78 0.00	48.51 1.87 0.00	37.27 1.40 0.00	29.10 1.15 0.00	25.61 0.93 -1.93
COPENHAGEN_WT_PWR 323753	29.13 -0.44 0.00	25.95 -0.31 0.00	24.81 -0.33 0.00	24.91 -0.15 0.00	25.35 -0.03 0.00	28.30 0.08 0.00	37.34 0.37 0.00	38.89 0.46 0.00	32.53 -0.26 0.00	26.81 -0.66 0.00	23.60 -0.60 0.00	22.37 -0.64 0.00	22.10 -0.75 0.00	22.95 -0.71 0.00	22.74 -0.75 0.00	23.70 -0.68 0.00	27.36 -0.79 0.00	32.05 -0.72 0.00	39.70 -0.12 0.00	47.30 0.56 0.00	46.88 0.23 0.00	35.63 -0.25 0.00	27.56 -0.39 0.00	22.49 -0.41 -0.16
CORNELL_____ 23752	30.01 0.44 0.00	26.71 0.45 0.00	25.49 0.35 0.00	25.39 0.33 0.00	25.73 0.36 0.00	28.72 0.51 0.00	37.71 0.74 0.00	39.04 0.61 0.00	33.32 0.52 0.00	27.66 0.19 0.00	24.33 0.12 0.00	23.04 0.02 0.00	22.80 -0.05 0.00	23.62 -0.05 0.00	23.40 -0.09 0.00	24.31 -0.07 0.00	28.12 -0.03 0.00	32.70 -0.07 0.00	40.06 0.24 0.00	47.30 0.56 0.00	47.07 0.42 0.00	36.27 0.39 0.00	28.12 0.17 0.00	23.49 0.16 -0.59



CORONA_69_KV_TB1 355595	31.67 2.10 0.00	28.00 1.73 0.00	26.82 1.68 0.00	26.66 1.60 0.00	26.92 1.55 0.00	29.80 1.58 0.00	38.93 1.96 0.00	40.43 2.00 0.00	34.89 2.10 0.00	29.34 1.87 0.00	25.92 1.72 0.00	24.97 1.96 0.00	24.84 1.99 0.00	25.72 2.06 0.00	25.63 2.14 0.00	26.70 2.32 0.00	30.84 2.67 -0.02	38.88 3.15 -2.97	43.98 3.62 -0.54	51.61 4.21 -0.66	51.65 4.34 -0.66	40.09 3.34 -0.88	31.64 2.66 -1.03	27.29 1.98 -2.58
CORTLAND_115KV_TB3 80093	29.81 0.24 0.00	26.50 0.24 0.00	25.28 0.15 0.00	25.21 0.15 0.00	25.53 0.15 0.00	28.47 0.25 0.00	37.34 0.37 0.00	38.74 0.31 0.00	33.09 0.30 0.00	27.55 0.08 0.00	24.25 0.05 0.00	23.01 0.00 0.00	22.80 -0.05 0.00	23.62 -0.05 0.00	23.42 -0.07 0.00	24.31 -0.07 0.00	28.06 -0.08 0.00	32.60 -0.16 0.00	39.82 0.00 0.00	46.92 0.19 0.00	46.74 0.09 0.00	36.02 0.14 0.00	27.98 0.03 0.00	23.24 0.02 -0.48
COXSACKIE___GT 23611	30.87 1.30 0.00	27.39 1.13 0.00	26.29 1.16 0.00	26.21 1.15 0.00	26.54 1.17 0.00	29.57 1.35 0.00	38.89 1.92 0.00	40.27 1.84 0.00	34.01 1.21 0.00	28.29 0.82 0.00	24.76 0.56 0.00	23.45 0.44 0.00	23.31 0.46 0.00	24.07 0.40 0.00	23.99 0.49 0.00	25.05 0.66 0.00	29.21 1.07 0.00	34.35 1.83 0.25	37.49 2.51 4.84	43.90 3.18 6.02	43.75 3.13 6.02	30.18 2.33 8.02	20.28 1.93 9.60	27.08 1.52 -2.82
CPV_VALLEY___CC1 323721	30.61 1.03 0.00	27.08 0.82 0.00	25.99 0.86 0.00	25.86 0.80 0.00	26.16 0.79 0.00	29.03 0.82 0.00	38.00 1.03 0.00	39.58 1.15 0.00	33.94 1.15 0.00	28.54 1.07 0.00	25.15 0.94 0.00	23.98 0.97 0.00	23.83 0.98 0.00	24.68 1.02 0.00	24.55 1.06 0.00	25.53 1.15 0.00	29.50 1.35 0.00	34.39 1.61 -0.02	42.04 1.83 -0.39	49.32 2.11 -0.48	49.32 2.19 -0.48	38.17 1.65 -0.64	30.11 1.40 -0.77	26.08 1.11 -2.23
CPV_VALLEY___CC2 323722	30.61 1.03 0.00	27.08 0.82 0.00	25.99 0.86 0.00	25.86 0.80 0.00	26.16 0.79 0.00	29.03 0.82 0.00	38.00 1.03 0.00	39.58 1.15 0.00	33.94 1.15 0.00	28.54 1.07 0.00	25.15 0.94 0.00	23.98 0.97 0.00	23.83 0.98 0.00	24.68 1.02 0.00	24.55 1.06 0.00	25.53 1.15 0.00	29.50 1.35 0.00	34.39 1.61 -0.02	42.04 1.83 -0.39	49.32 2.11 -0.48	49.32 2.19 -0.48	38.17 1.65 -0.64	30.11 1.40 -0.77	26.08 1.11 -2.23
CRESCENT___HYD 24018	30.78 1.21 0.00	27.32 1.05 0.00	26.16 1.03 0.00	26.09 1.03 0.00	26.39 1.02 0.00	29.34 1.13 0.00	38.52 1.55 0.00	40.08 1.65 0.00	34.20 1.41 0.00	28.70 1.24 0.00	25.15 0.94 0.00	23.91 0.90 0.00	23.74 0.89 0.00	24.54 0.88 0.00	24.46 0.96 0.00	25.53 1.15 0.00	29.64 1.49 0.00	35.13 1.97 -0.40	49.94 2.31 -7.81	59.10 2.66 -9.70	59.06 2.70 -9.71	50.96 2.15 -12.94	45.18 1.76 -15.47	27.52 1.39 -3.40
CRICKET___VALLEY_CC1 323756	30.90 1.33 0.00	27.37 1.10 0.00	26.27 1.13 0.00	26.14 1.08 0.00	26.44 1.07 0.00	29.31 1.10 0.00	38.45 1.48 0.00	40.00 1.58 0.00	34.27 1.48 0.00	28.87 1.40 0.00	25.39 1.19 0.00	24.26 1.24 0.00	24.08 1.23 0.00	24.92 1.25 0.00	24.78 1.29 0.00	25.87 1.49 0.00	29.92 1.77 0.00	35.05 2.23 -0.05	43.32 2.51 -1.00	50.78 2.80 -1.24	50.78 2.89 -1.24	39.79 2.26 -1.65	31.82 1.90 -1.97	27.00 1.55 -2.72
CRICKET___VALLEY_CC2 323757	30.90 1.33 0.00	27.37 1.10 0.00	26.27 1.13 0.00	26.14 1.08 0.00	26.44 1.07 0.00	29.31 1.10 0.00	38.45 1.48 0.00	40.00 1.58 0.00	34.27 1.48 0.00	28.87 1.40 0.00	25.39 1.19 0.00	24.26 1.24 0.00	24.08 1.23 0.00	24.92 1.25 0.00	24.78 1.29 0.00	25.87 1.49 0.00	29.92 1.77 0.00	35.05 2.23 -0.05	43.32 2.51 -1.00	50.78 2.80 -1.24	50.78 2.89 -1.24	39.79 2.26 -1.65	31.82 1.90 -1.97	27.00 1.55 -2.72
CRICKET___VALLEY_CC3 323758	30.90 1.33 0.00	27.37 1.10 0.00	26.27 1.13 0.00	26.14 1.08 0.00	26.44 1.07 0.00	29.31 1.10 0.00	38.45 1.48 0.00	40.00 1.58 0.00	34.27 1.48 0.00	28.87 1.40 0.00	25.39 1.19 0.00	24.26 1.24 0.00	24.08 1.23 0.00	24.92 1.25 0.00	24.78 1.29 0.00	25.87 1.49 0.00	29.92 1.77 0.00	35.05 2.23 -0.05	43.32 2.51 -1.00	50.78 2.80 -1.24	50.78 2.89 -1.24	39.79 2.26 -1.65	31.82 1.90 -1.97	27.00 1.55 -2.72
CRUCIBLE_METL_DRP 24180	29.36 -0.21 0.00	26.13 -0.13 0.00	24.93 -0.20 0.00	24.86 -0.20 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.78 -0.18 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.84 -0.31 0.00	32.21 -0.56 0.00	39.18 -0.64 0.00	46.13 -0.61 0.00	45.99 -0.65 0.00	35.41 -0.47 0.00	27.53 -0.42 0.00	22.70 -0.32 -0.28
DAHOWA___HYDRO 323763	31.14 1.57 0.00	27.60 1.34 0.00	26.44 1.31 0.00	26.36 1.30 0.00	26.69 1.32 0.00	29.74 1.52 0.00	39.08 2.11 0.00	40.58 2.15 0.00	34.40 1.61 0.00	28.70 1.24 0.00	25.13 0.92 0.00	23.80 0.78 0.00	23.65 0.80 0.00	24.44 0.78 0.00	24.34 0.84 0.00	25.41 1.02 0.00	29.58 1.43 0.00	34.74 1.64 -0.34	48.50 2.03 -6.65	57.61 2.62 -8.26	57.67 2.75 -8.27	48.94 2.04 -11.02	42.72 1.59 -13.18	27.41 1.27 -3.40
DANC___LFGE 323619	29.07 -0.50 0.00	25.87 -0.39 0.00	24.73 -0.40 0.00	24.76 -0.30 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.93 -0.04 0.00	38.43 0.00 0.00	32.37 -0.43 0.00	26.81 -0.66 0.00	23.63 -0.58 0.00	22.42 -0.60 0.00	22.21 -0.64 0.00	23.03 -0.64 0.00	22.84 -0.66 0.00	23.73 -0.66 0.00	27.39 -0.76 0.00	31.91 -0.85 0.00	39.30 -0.52 0.00	46.60 -0.14 0.00	46.32 -0.32 0.00	35.37 -0.50 0.00	27.42 -0.53 0.00	22.47 -0.45 -0.18
DANSKAMMER___1 23586	31.08 1.51 0.00	27.50 1.23 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.51 1.30 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.50 1.70 0.00	28.95 1.48 0.00	25.49 1.28 0.00	24.28 1.26 0.00	24.13 1.28 0.00	24.99 1.32 0.00	24.86 1.36 0.00	25.90 1.51 0.00	29.97 1.83 0.00	35.08 2.29 -0.02	42.93 2.71 -0.40	50.41 3.18 -0.50	50.41 3.26 -0.50	38.94 2.40 -0.66	30.67 1.93 -0.79	26.87 1.57 -2.56
DANSKAMMER___2 23589	31.08 1.51 0.00	27.50 1.23 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.51 1.30 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.50 1.70 0.00	28.95 1.48 0.00	25.49 1.28 0.00	24.28 1.26 0.00	24.13 1.28 0.00	24.99 1.32 0.00	24.86 1.36 0.00	25.90 1.51 0.00	29.97 1.83 0.00	35.08 2.29 -0.02	42.93 2.71 -0.40	50.41 3.18 -0.50	50.41 3.26 -0.50	38.94 2.40 -0.66	30.67 1.93 -0.79	26.87 1.57 -2.56
DANSKAMMER___3 23590	31.08 1.51 0.00	27.50 1.23 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.51 1.30 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.50 1.70 0.00	28.95 1.48 0.00	25.49 1.28 0.00	24.28 1.26 0.00	24.13 1.28 0.00	24.99 1.32 0.00	24.86 1.36 0.00	25.90 1.51 0.00	29.97 1.83 0.00	35.08 2.29 -0.02	42.93 2.71 -0.40	50.41 3.18 -0.50	50.41 3.26 -0.50	38.94 2.40 -0.66	30.67 1.93 -0.79	26.87 1.57 -2.56



DANSKAMMER___4 23591	31.08 1.51 0.00	27.50 1.23 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.51 1.30 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.50 1.70 0.00	28.95 1.48 0.00	25.49 1.28 0.00	24.28 1.26 0.00	24.13 1.28 0.00	24.99 1.32 0.00	24.86 1.36 0.00	25.90 1.51 0.00	29.97 1.83 0.00	35.08 2.29 -0.02	42.93 2.71 -0.40	50.41 3.18 -0.50	50.41 3.26 -0.50	38.94 2.40 -0.66	30.67 1.93 -0.79	26.87 1.57 -2.56
DANSKAMMER___DIESEL 23592	31.08 1.51 0.00	27.50 1.23 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.51 1.30 0.00	38.71 1.74 0.00	40.27 1.84 0.00	34.50 1.71 0.00	28.95 1.48 0.00	25.46 1.26 0.00	24.28 1.27 0.00	24.13 1.28 0.00	24.99 1.33 0.00	24.86 1.36 0.00	25.83 1.44 0.00	29.89 1.75 0.00	35.05 2.26 -0.02	42.93 2.71 -0.40	50.41 3.18 -0.50	50.41 3.27 -0.50	38.94 2.40 -0.66	30.67 1.93 -0.79	26.87 1.57 -2.56
DARBY___SOLAR 323810	31.05 1.48 0.00	27.55 1.29 0.00	26.39 1.26 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.65 1.44 0.00	38.96 1.99 0.00	40.43 2.00 0.00	34.30 1.51 0.00	28.65 1.18 0.00	25.08 0.87 0.00	23.77 0.76 0.00	23.60 0.75 0.00	24.42 0.76 0.00	24.32 0.82 0.00	25.39 1.00 0.00	29.52 1.38 0.00	34.75 1.64 -0.35	48.65 2.03 -6.80	57.75 2.57 -8.45	57.76 2.66 -8.46	49.15 2.01 -11.27	43.02 1.59 -13.48	27.41 1.27 -3.40
DASHVILLE___HYD 23610	30.90 1.33 0.00	27.34 1.08 0.00	26.26 1.13 0.00	26.14 1.08 0.00	26.44 1.07 0.00	29.32 1.10 0.00	38.45 1.48 0.00	39.97 1.54 0.00	34.17 1.38 0.00	28.68 1.21 0.00	25.25 1.04 0.00	24.10 1.08 0.00	23.95 1.10 0.00	24.80 1.14 0.00	24.67 1.17 0.00	25.61 1.22 0.00	29.64 1.49 0.00	34.79 2.06 0.04	41.43 2.43 0.82	48.57 2.85 1.02	48.56 2.94 1.02	36.67 2.15 1.36	28.08 1.76 1.63	26.52 1.18 -2.60
DEERFIELD_69_KV_DEERFIELD LD 355887	31.55 1.98 0.00	27.95 1.68 0.00	26.74 1.61 0.00	26.61 1.55 0.00	26.82 1.45 0.00	29.20 0.99 0.00	37.89 0.92 0.00	39.43 1.00 0.00	33.88 1.08 0.00	28.68 1.21 0.00	25.27 1.07 0.00	24.81 1.80 0.00	24.84 1.99 0.00	25.68 2.01 0.00	25.84 2.35 0.00	26.87 2.49 0.00	31.17 3.01 -0.01	36.11 3.11 -0.23	43.81 3.46 -0.53	51.51 4.11 -0.66	51.50 4.20 -0.66	40.30 3.55 -0.87	31.36 2.38 -1.03	27.07 1.75 -2.58
DELAWARE___LFGE 323621	30.49 0.92 0.00	27.08 0.81 0.00	25.94 0.80 0.00	25.84 0.78 0.00	26.19 0.81 0.00	29.09 0.87 0.00	38.15 1.18 0.00	39.58 1.15 0.00	33.74 0.95 0.00	28.18 0.71 0.00	24.81 0.61 0.00	23.61 0.60 0.00	23.42 0.57 0.00	24.28 0.62 0.00	24.08 0.59 0.00	24.97 0.59 0.00	28.85 0.70 0.00	33.71 0.92 -0.03	41.68 1.27 -0.58	49.05 1.59 -0.72	48.96 1.59 -0.72	38.02 1.18 -0.97	30.03 0.92 -1.15	24.61 0.75 -1.12
DERFIELD_115KV_TB7 355931	29.66 0.09 0.00	26.34 0.08 0.00	25.23 0.10 0.00	25.16 0.10 0.00	25.48 0.10 0.00	28.33 0.11 0.00	37.12 0.15 0.00	38.58 0.15 0.00	32.92 0.13 0.00	27.55 0.08 0.00	24.28 0.07 0.00	23.08 0.07 0.00	22.92 0.07 0.00	23.74 0.07 0.00	23.56 0.07 0.00	24.48 0.10 0.00	28.26 0.11 0.00	32.93 0.16 0.00	40.06 0.24 0.00	47.02 0.28 0.00	46.93 0.28 0.00	36.05 0.18 0.00	28.12 0.17 0.00	22.85 0.11 0.00
DOGLEVILLE___HYD 23807	28.83 -0.74 0.00	25.63 -0.63 0.00	24.61 -0.53 0.00	24.58 -0.48 0.00	24.99 -0.38 0.00	27.79 -0.42 0.00	36.42 -0.55 0.00	37.89 -0.54 0.00	32.30 -0.49 0.00	27.03 -0.44 0.00	23.79 -0.41 0.00	22.65 -0.37 0.00	22.44 -0.41 0.00	23.26 -0.40 0.00	23.07 -0.42 0.00	23.97 -0.41 0.00	27.72 -0.42 0.00	32.34 -0.43 0.00	39.38 -0.44 0.00	46.36 -0.37 0.00	46.23 -0.42 0.00	35.48 -0.39 0.00	27.70 -0.25 0.00	22.47 -0.27 0.00
DUNKIRK___115KV_TB_200 55889	29.42 -0.15 0.00	26.24 -0.03 0.00	24.66 -0.48 0.00	24.51 -0.55 0.00	24.84 -0.53 0.00	27.88 -0.34 0.00	36.30 -0.67 0.00	37.39 -1.04 0.00	32.50 -0.30 0.00	26.92 -0.55 0.00	23.82 -0.39 0.00	22.37 -0.64 0.00	22.16 -0.69 0.00	22.91 -0.76 0.00	22.46 -1.03 0.00	23.02 -1.37 0.00	26.23 -1.91 0.00	30.24 -2.52 0.00	36.83 -2.99 0.00	43.09 -3.65 0.00	42.35 -4.29 0.00	33.15 -2.73 0.00	25.63 -2.32 0.00	21.62 -1.59 -0.47
DUNKIRK___1 23563	29.42 -0.15 0.00	26.24 -0.03 0.00	24.66 -0.48 0.00	24.51 -0.55 0.00	24.84 -0.53 0.00	27.88 -0.34 0.00	36.30 -0.67 0.00	37.39 -1.04 0.00	32.50 -0.30 0.00	26.92 -0.55 0.00	23.82 -0.39 0.00	22.37 -0.64 0.00	22.16 -0.69 0.00	22.91 -0.76 0.00	22.46 -1.03 0.00	23.02 -1.37 0.00	26.23 -1.91 0.00	30.24 -2.52 0.00	36.83 -2.99 0.00	43.09 -3.65 0.00	42.35 -4.29 0.00	33.15 -2.73 0.00	25.63 -2.32 0.00	21.62 -1.59 -0.47
DUNKIRK___2 23564	29.42 -0.15 0.00	26.24 -0.03 0.00	24.66 -0.48 0.00	24.51 -0.55 0.00	24.84 -0.53 0.00	27.88 -0.34 0.00	36.30 -0.67 0.00	37.39 -1.04 0.00	32.50 -0.30 0.00	26.92 -0.55 0.00	23.82 -0.39 0.00	22.37 -0.64 0.00	22.16 -0.69 0.00	22.91 -0.76 0.00	22.46 -1.03 0.00	23.02 -1.37 0.00	26.23 -1.91 0.00	30.24 -2.52 0.00	36.83 -2.99 0.00	43.09 -3.65 0.00	42.35 -4.29 0.00	33.15 -2.73 0.00	25.63 -2.32 0.00	21.62 -1.59 -0.47
DUNKIRK___3 23565	29.19 -0.38 0.00	26.00 -0.26 0.00	24.45 -0.68 0.00	24.28 -0.78 0.00	24.61 -0.76 0.00	27.62 -0.59 0.00	35.97 -1.00 0.00	37.08 -1.34 0.00	32.24 -0.56 0.00	26.70 -0.77 0.00	23.63 -0.58 0.00	22.19 -0.83 0.00	21.98 -0.87 0.00	22.74 -0.92 0.00	22.30 -1.20 0.00	22.87 -1.51 0.00	26.06 -2.08 0.00	30.05 -2.72 0.00	36.55 -3.27 0.00	42.81 -3.93 0.00	42.17 -4.48 0.00	33.04 -2.83 0.00	25.60 -2.35 0.00	21.59 -1.61 -0.47
DUNKIRK___4 23566	29.19 -0.38 0.00	26.00 -0.26 0.00	24.45 -0.68 0.00	24.28 -0.78 0.00	24.61 -0.76 0.00	27.62 -0.59 0.00	35.97 -1.00 0.00	37.08 -1.34 0.00	32.24 -0.56 0.00	26.70 -0.77 0.00	23.63 -0.58 0.00	22.19 -0.83 0.00	21.98 -0.87 0.00	22.74 -0.92 0.00	22.30 -1.20 0.00	22.87 -1.51 0.00	26.06 -2.08 0.00	30.05 -2.72 0.00	36.55 -3.27 0.00	42.81 -3.93 0.00	42.17 -4.48 0.00	33.04 -2.83 0.00	25.60 -2.35 0.00	21.59 -1.61 -0.47
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	31.23 1.66 0.00	27.60 1.34 0.00	26.49 1.36 0.00	26.36 1.30 0.00	26.64 1.27 0.00	29.57 1.35 0.00	38.78 1.81 0.00	40.39 1.96 0.00	34.76 1.97 0.00	29.25 1.79 0.00	25.78 1.57 0.00	24.67 1.66 0.00	24.50 1.65 0.00	25.37 1.70 0.00	25.23 1.74 0.00	26.22 1.83 0.00	30.26 2.11 0.00	35.41 2.62 -0.03	43.33 2.99 -0.52	50.80 3.41 -0.65	50.84 3.55 -0.65	39.39 2.65 -0.86	31.11 2.12 -1.03	27.00 1.68 -2.57
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	30.93 1.36 0.00	27.37 1.10 0.00	26.26 1.13 0.00	26.14 1.08 0.00	26.44 1.07 0.00	29.34 1.13 0.00	38.45 1.48 0.00	40.00 1.58 0.00	34.33 1.54 0.00	28.81 1.35 0.00	25.37 1.16 0.00	24.21 1.20 0.00	24.06 1.21 0.00	24.89 1.23 0.00	24.79 1.29 0.00	25.73 1.34 0.00	29.75 1.60 0.00	34.85 2.06 -0.02	42.56 2.39 -0.36	49.98 2.80 -0.44	49.98 2.89 -0.44	38.62 2.15 -0.59	30.42 1.76 -0.71	26.63 1.41 -2.48



E179THST_138_KV_TB4_REV_LBMP_J 345001	31.53 1.95 -0.01	27.84 1.58 0.00	26.75 1.61 -0.01	26.62 1.55 -0.01	26.85 1.47 0.00	29.63 1.41 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.83 2.03 0.00	29.39 1.92 0.00	25.88 1.67 0.00	24.79 1.77 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.37 2.22 0.00	35.51 2.72 -0.03	43.37 3.03 -0.52	50.75 3.37 -0.65	50.84 3.55 -0.65	39.36 2.62 -0.86	31.19 2.21 -1.03	27.21 1.89 -2.58
E179THST_13_KV_LOAD 356214	31.65 2.07 -0.01	27.92 1.65 0.00	26.85 1.71 -0.01	26.70 1.63 -0.01	26.92 1.55 0.00	29.74 1.52 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.96 2.16 0.00	29.50 2.03 0.00	25.97 1.77 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.46 2.07 0.00	30.51 2.36 0.00	35.68 2.88 -0.03	43.53 3.19 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.50 2.76 -0.86	31.27 2.29 -1.03	27.30 1.98 -2.58
EAST HAMPTON___GT 23717	31.35 1.77 0.00	27.63 1.36 0.00	26.51 1.38 0.00	26.39 1.33 0.00	26.52 1.14 0.00	29.26 1.04 0.00	37.49 0.52 0.00	39.27 0.84 0.00	33.58 0.79 0.00	28.43 0.96 0.00	25.32 1.11 0.00	24.60 1.59 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.82 2.33 0.00	26.95 2.56 0.00	31.28 3.12 -0.01	36.14 3.15 -0.23	43.77 3.42 -0.53	51.41 4.02 -0.66	51.36 4.06 -0.66	39.98 3.23 -0.87	30.97 1.98 -1.03	26.86 1.55 -2.58
EAST RIVER___6 23660	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.74 1.37 0.00	29.71 1.49 0.00	38.89 1.92 0.00	40.58 2.15 0.00	34.92 2.13 0.00	29.47 2.00 0.00	25.97 1.77 0.00	24.86 1.84 0.00	24.68 1.83 0.00	25.56 1.89 0.00	25.42 1.93 0.00	26.46 2.07 0.00	30.51 2.36 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	50.98 3.60 -0.65	51.12 3.83 -0.65	39.54 2.80 -0.86	31.22 2.24 -1.03	27.13 1.82 -2.57
EAST RIVER___7 23524	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.74 1.37 0.00	29.71 1.49 0.00	38.89 1.92 0.00	40.58 2.15 0.00	34.92 2.13 0.00	29.47 2.00 0.00	25.97 1.77 0.00	24.86 1.84 0.00	24.68 1.83 0.00	25.56 1.89 0.00	25.42 1.93 0.00	26.46 2.07 0.00	30.51 2.36 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	50.98 3.60 -0.65	51.12 3.83 -0.65	39.54 2.80 -0.86	31.22 2.24 -1.03	27.13 1.82 -2.57
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	31.17 1.60 0.00	27.55 1.29 0.00	26.47 1.33 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.54 1.33 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.70 1.90 0.00	29.17 1.70 0.00	25.71 1.50 0.00	24.58 1.56 0.00	24.40 1.55 0.00	25.30 1.63 0.00	25.16 1.67 0.00	26.12 1.73 0.00	30.14 2.00 0.00	35.32 2.52 -0.03	43.21 2.87 -0.52	50.65 3.27 -0.65	50.70 3.41 -0.65	39.28 2.55 -0.86	31.05 2.07 -1.03	26.95 1.64 -2.57
EAST_HAMPTON___DIESEL 23722	31.29 1.71 0.00	27.58 1.31 0.00	26.46 1.33 0.00	26.31 1.25 0.00	26.47 1.09 0.00	29.20 0.99 0.00	37.41 0.45 0.00	39.20 0.77 0.00	33.51 0.72 0.00	28.37 0.91 0.00	25.27 1.06 0.00	24.56 1.54 0.00	24.63 1.78 0.00	25.56 1.89 0.00	25.80 2.30 0.00	26.95 2.56 0.00	31.25 3.10 -0.01	36.11 3.11 -0.23	43.73 3.38 -0.53	51.36 3.97 -0.66	51.32 4.01 -0.66	39.91 3.16 -0.87	30.88 1.90 -1.03	26.82 1.50 -2.58
EAST_POINT___SOLAR 323840	32.23 2.66 0.00	28.60 2.34 0.00	27.35 2.21 0.00	27.29 2.23 0.00	27.68 2.31 0.00	30.98 2.77 0.00	40.52 3.55 0.00	40.92 2.50 0.00	33.64 0.85 0.00	27.63 0.17 0.00	24.18 -0.02 0.00	22.83 -0.18 0.00	22.71 -0.14 0.00	23.47 -0.19 0.00	23.21 -0.28 0.00	24.27 -0.12 0.00	28.20 0.06 0.00	33.66 0.66 -0.24	47.11 2.55 -4.74	57.21 4.58 -5.89	57.40 4.85 -5.90	47.29 3.55 -7.86	39.98 2.63 -9.40	28.51 2.05 -3.72
EAST_PULASKI___ESR 323781	29.04 -0.53 0.00	25.84 -0.42 0.00	24.68 -0.45 0.00	24.63 -0.43 0.00	25.00 -0.38 0.00	27.88 -0.34 0.00	36.60 -0.37 0.00	38.04 -0.38 0.00	32.27 -0.53 0.00	26.86 -0.60 0.00	23.72 -0.48 0.00	22.51 -0.51 0.00	22.33 -0.52 0.00	23.12 -0.54 0.00	22.93 -0.56 0.00	23.80 -0.59 0.00	27.44 -0.70 0.00	31.85 -0.92 0.00	38.94 -0.88 0.00	46.04 -0.70 0.00	45.85 -0.79 0.00	35.19 -0.68 0.00	27.33 -0.62 0.00	22.47 -0.48 -0.21
EAST_RIVER___1 323558	31.38 1.80 0.00	27.71 1.44 0.00	26.62 1.48 0.00	26.49 1.43 0.00	26.77 1.39 0.00	29.74 1.52 0.00	38.96 1.99 0.00	40.66 2.23 0.00	34.99 2.20 0.00	29.50 2.03 0.00	26.00 1.79 0.00	24.88 1.86 0.00	24.70 1.85 0.00	25.58 1.92 0.00	25.44 1.95 0.00	26.48 2.10 0.00	30.54 2.39 0.00	35.68 2.88 -0.03	43.53 3.19 -0.52	51.03 3.65 -0.65	51.12 3.83 -0.65	39.57 2.83 -0.86	31.25 2.26 -1.03	27.16 1.84 -2.57
EAST_RIVER___2 323559	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.74 1.37 0.00	29.71 1.49 0.00	38.89 1.92 0.00	40.58 2.15 0.00	34.92 2.13 0.00	29.47 2.00 0.00	25.97 1.77 0.00	24.86 1.84 0.00	24.68 1.83 0.00	25.56 1.89 0.00	25.42 1.93 0.00	26.46 2.07 0.00	30.51 2.36 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	50.98 3.60 -0.65	51.12 3.83 -0.65	39.54 2.80 -0.86	31.22 2.24 -1.03	27.13 1.82 -2.57
EAST___DELAWARE_HYD 23607	30.72 1.15 0.00	27.21 0.94 0.00	26.11 0.98 0.00	25.99 0.93 0.00	26.31 0.94 0.00	29.23 1.01 0.00	38.34 1.37 0.00	39.89 1.46 0.00	34.07 1.28 0.00	28.54 1.07 0.00	25.13 0.92 0.00	23.94 0.92 0.00	23.77 0.91 0.00	24.61 0.95 0.00	24.48 0.99 0.00	25.49 1.10 0.00	29.50 1.35 0.00	34.50 1.74 0.00	41.93 2.11 0.00	49.35 2.62 0.00	49.30 2.66 0.00	37.74 1.86 0.00	29.46 1.51 0.00	26.30 1.23 -2.33
EIGHT_POINT___WT_PWR 323820	29.22 -0.35 0.00	26.11 -0.16 0.00	24.76 -0.38 0.00	24.66 -0.40 0.00	25.07 -0.30 0.00	28.22 0.00 0.00	36.86 -0.11 0.00	37.62 -0.81 0.00	32.63 -0.16 0.00	26.89 -0.58 0.00	23.60 -0.60 0.00	22.25 -0.76 0.00	21.94 -0.91 0.00	22.76 -0.90 0.00	22.39 -1.10 0.00	23.07 -1.32 0.00	26.43 -1.72 0.00	30.73 -2.03 0.00	37.67 -2.15 0.00	44.35 -2.38 0.00	43.75 -2.89 0.00	33.87 -2.01 0.00	25.97 -1.98 0.00	21.79 -1.50 -0.55
ELBRIDGE_115KV_TB2 80188	29.28 -0.30 0.00	26.03 -0.24 0.00	24.83 -0.30 0.00	24.73 -0.33 0.00	25.05 -0.33 0.00	27.93 -0.28 0.00	36.60 -0.37 0.00	37.97 -0.46 0.00	32.43 -0.36 0.00	27.08 -0.38 0.00	23.89 -0.31 0.00	22.67 -0.35 0.00	22.51 -0.34 0.00	23.29 -0.38 0.00	23.09 -0.40 0.00	23.97 -0.41 0.00	27.64 -0.51 0.00	31.98 -0.79 0.00	38.90 -0.92 0.00	45.80 -0.93 0.00	45.67 -0.98 0.00	35.16 -0.72 0.00	27.36 -0.59 0.00	22.60 -0.43 -0.30
ELEC_TRO_TEK 24086	31.52 1.95 0.00	27.87 1.60 0.00	26.69 1.56 0.00	26.54 1.48 0.00	26.82 1.45 0.00	29.65 1.44 0.00	38.74 1.77 0.00	40.27 1.84 0.00	34.73 1.93 0.00	29.20 1.73 0.00	25.80 1.60 0.00	24.88 1.86 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.54 2.04 0.00	26.58 2.19 0.00	30.69 2.53 -0.02	37.31 2.95 -1.60	43.74 3.38 -0.54	51.33 3.93 -0.66	51.37 4.06 -0.66	39.84 3.09 -0.88	31.47 2.49 -1.03	27.18 1.86 -2.58



ELLENBURG_WT_PWR 323604	29.30 -0.27 0.00	26.11 -0.16 0.00	24.91 -0.23 0.00	24.99 -0.07 0.00	25.35 -0.03 0.00	28.16 -0.06 0.00	37.01 0.04 0.00	38.54 0.12 0.00	32.70 -0.10 0.00	27.52 0.06 0.00	24.25 0.05 0.00	22.92 -0.09 0.00	22.76 -0.09 0.00	23.50 -0.16 0.00	23.35 -0.14 0.00	24.29 -0.10 0.00	28.06 -0.08 0.00	32.86 0.10 0.00	40.14 0.32 0.00	46.97 0.23 0.00	46.88 0.23 0.00	35.84 -0.04 0.00	27.64 -0.31 0.00	22.35 -0.39 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	28.42 -1.15 0.00	25.32 -0.95 0.00	23.75 -1.38 0.00	23.58 -1.48 0.00	23.90 -1.47 0.00	26.92 -1.30 0.00	34.90 -2.07 0.00	36.16 -2.27 0.00	31.42 -1.38 0.00	26.07 -1.40 0.00	23.12 -1.09 0.00	21.70 -1.31 0.00	21.48 -1.37 0.00	22.22 -1.44 0.00	21.78 -1.72 0.00	22.36 -2.02 0.00	25.47 -2.67 0.00	29.36 -3.41 0.00	35.64 -4.18 0.00	41.78 -4.95 0.00	41.33 -5.32 0.00	32.50 -3.37 0.00	25.29 -2.66 0.00	21.48 -1.71 -0.44
EMPIRE_CC_1 323656	30.69 1.12 0.00	27.24 0.97 0.00	26.11 0.98 0.00	26.01 0.95 0.00	26.31 0.94 0.00	29.23 1.01 0.00	38.34 1.37 0.00	39.81 1.38 0.00	34.20 1.41 0.00	28.81 1.35 0.00	25.27 1.06 0.00	24.10 1.08 0.00	23.90 1.05 0.00	24.70 1.04 0.00	24.60 1.10 0.00	25.73 1.34 0.00	29.83 1.69 0.00	35.45 2.26 -0.43	50.76 2.55 -8.39	59.97 2.80 -10.43	59.88 2.80 -10.44	52.11 2.33 -13.91	46.57 1.98 -16.63	27.58 1.57 -3.27
EMPIRE_CC_2 323658	30.69 1.12 0.00	27.24 0.97 0.00	26.11 0.98 0.00	26.01 0.95 0.00	26.31 0.94 0.00	29.23 1.01 0.00	38.34 1.37 0.00	39.81 1.38 0.00	34.20 1.41 0.00	28.81 1.35 0.00	25.27 1.06 0.00	24.10 1.08 0.00	23.90 1.05 0.00	24.70 1.04 0.00	24.60 1.10 0.00	25.73 1.34 0.00	29.83 1.69 0.00	35.45 2.26 -0.43	50.76 2.55 -8.39	59.97 2.80 -10.43	59.88 2.80 -10.44	52.11 2.33 -13.91	46.57 1.98 -16.63	27.58 1.57 -3.27
ENORWICH_115KV_TB1 80156	31.17 1.60 0.00	27.79 1.52 0.00	26.52 1.38 0.00	26.51 1.45 0.00	27.00 1.62 0.00	30.22 2.00 0.00	39.82 2.85 0.00	41.16 2.73 0.00	34.73 1.93 0.00	28.51 1.04 0.00	24.96 0.75 0.00	23.59 0.58 0.00	23.19 0.34 0.00	24.11 0.45 0.00	23.85 0.35 0.00	24.85 0.46 0.00	28.85 0.70 0.00	33.88 1.11 0.00	42.05 2.23 0.00	50.10 3.37 0.00	49.63 2.99 0.00	37.92 2.04 0.00	29.26 1.31 0.00	24.50 0.96 -0.80
ERIE_ST_34_KV_TB1-2 80199	28.51 -1.06 0.00	25.40 -0.87 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.01 -1.37 0.00	27.00 -1.21 0.00	35.08 -1.89 0.00	36.24 -2.19 0.00	31.48 -1.31 0.00	26.09 -1.37 0.00	23.12 -1.09 0.00	21.70 -1.31 0.00	21.50 -1.35 0.00	22.24 -1.42 0.00	21.83 -1.67 0.00	22.36 -2.02 0.00	25.50 -2.65 0.00	29.42 -3.34 0.00	35.80 -4.02 0.00	41.97 -4.77 0.00	41.47 -5.18 0.00	32.61 -3.26 0.00	25.32 -2.63 0.00	21.33 -1.86 -0.46
ERIE_WT_PWR 323693	28.57 -1.01 0.00	25.45 -0.81 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.00 -1.37 0.00	27.03 -1.18 0.00	35.12 -1.85 0.00	35.78 -2.65 0.00	31.55 -1.25 0.00	26.18 -1.29 0.00	23.07 -1.14 0.00	21.77 -1.24 0.00	21.41 -1.44 0.00	22.29 -1.37 0.00	21.85 -1.65 0.00	22.41 -1.97 0.00	25.50 -2.65 0.00	29.52 -3.24 0.00	35.84 -3.98 0.00	41.97 -4.77 0.00	41.51 -5.13 0.00	32.65 -3.23 0.00	25.38 -2.57 0.00	20.89 -2.30 -0.45
ESPRGFLD_115KV_TB1 80157	31.55 1.98 0.00	28.03 1.76 0.00	26.79 1.66 0.00	26.74 1.68 0.00	27.13 1.75 0.00	30.25 2.03 0.00	39.71 2.74 0.00	40.93 2.50 0.00	34.43 1.64 0.00	28.46 0.99 0.00	25.01 0.80 0.00	23.68 0.67 0.00	23.47 0.62 0.00	24.35 0.69 0.00	24.06 0.56 0.00	25.00 0.61 0.00	28.96 0.82 0.00	34.21 1.28 -0.17	45.46 2.31 -3.34	54.29 3.41 -4.14	54.20 3.41 -4.15	43.91 2.51 -5.53	36.38 1.82 -6.61	24.21 1.46 -0.01
ETNA_115_KV_TB1_REV_LBMP_C 345029	29.99 0.41 0.00	26.69 0.42 0.00	25.43 0.30 0.00	25.36 0.30 0.00	25.71 0.33 0.00	28.69 0.48 0.00	37.64 0.67 0.00	38.97 0.54 0.00	33.25 0.46 0.00	27.63 0.16 0.00	24.30 0.10 0.00	23.01 0.00 0.00	22.80 -0.05 0.00	23.59 -0.07 0.00	23.38 -0.12 0.00	24.29 -0.10 0.00	28.09 -0.06 0.00	32.67 -0.10 0.00	39.98 0.16 0.00	47.20 0.47 0.00	47.02 0.37 0.00	36.20 0.32 0.00	28.06 0.11 0.00	23.44 0.11 -0.59
ETNA____115KV_TB2 80207	29.99 0.41 0.00	26.69 0.42 0.00	25.43 0.30 0.00	25.36 0.30 0.00	25.71 0.33 0.00	28.69 0.48 0.00	37.64 0.67 0.00	38.97 0.54 0.00	33.25 0.46 0.00	27.63 0.16 0.00	24.30 0.10 0.00	23.01 0.00 0.00	22.80 -0.05 0.00	23.59 -0.07 0.00	23.38 -0.12 0.00	24.29 -0.10 0.00	28.09 -0.06 0.00	32.67 -0.10 0.00	39.98 0.16 0.00	47.20 0.47 0.00	47.02 0.37 0.00	36.20 0.32 0.00	28.06 0.11 0.00	23.44 0.11 -0.59
EUCLID____115KV_TB2 356179	29.10 -0.47 0.00	25.87 -0.39 0.00	24.71 -0.43 0.00	24.61 -0.45 0.00	24.92 -0.46 0.00	27.79 -0.42 0.00	36.38 -0.59 0.00	37.97 -0.46 0.00	32.40 -0.39 0.00	27.08 -0.38 0.00	23.89 -0.31 0.00	22.69 -0.32 0.00	22.53 -0.32 0.00	23.33 -0.33 0.00	23.14 -0.35 0.00	24.05 -0.34 0.00	27.72 -0.42 0.00	32.05 -0.72 0.00	38.98 -0.84 0.00	45.90 -0.84 0.00	45.76 -0.89 0.00	35.19 -0.68 0.00	27.39 -0.56 0.00	22.55 -0.43 -0.24
E_CANADA_CAP_HY 24051	32.14 2.57 0.00	28.55 2.28 0.00	27.29 2.16 0.00	27.24 2.18 0.00	27.61 2.23 0.00	30.84 2.62 0.00	40.48 3.51 0.00	41.46 3.04 0.00	34.60 1.80 0.00	28.51 1.04 0.00	24.98 0.77 0.00	23.61 0.60 0.00	23.44 0.59 0.00	24.28 0.61 0.00	23.96 0.47 0.00	24.97 0.58 0.00	29.05 0.90 0.00	34.53 1.54 -0.22	47.08 2.91 -4.36	56.54 4.39 -5.42	56.59 4.52 -5.42	46.51 3.41 -7.22	39.11 2.52 -8.64	28.59 1.98 -3.88
E_CANADA_MHWK_HY 24050	28.83 -0.74 0.00	25.63 -0.63 0.00	24.60 -0.53 0.00	24.58 -0.48 0.00	25.00 -0.38 0.00	27.79 -0.42 0.00	36.42 -0.55 0.00	37.93 -0.50 0.00	32.30 -0.49 0.00	27.03 -0.44 0.00	23.82 -0.39 0.00	22.64 -0.37 0.00	22.44 -0.41 0.00	23.26 -0.40 0.00	23.07 -0.42 0.00	24.00 -0.39 0.00	27.72 -0.42 0.00	32.34 -0.43 0.00	39.38 -0.44 0.00	46.36 -0.38 0.00	46.22 -0.42 0.00	35.48 -0.39 0.00	27.70 -0.25 0.00	22.49 -0.25 0.00
E_FISHKILL____LBMP 23776	30.99 1.42 0.00	27.42 1.16 0.00	26.31 1.18 0.00	26.19 1.13 0.00	26.49 1.12 0.00	29.37 1.16 0.00	38.52 1.55 0.00	40.04 1.61 0.00	34.40 1.61 0.00	28.95 1.48 0.00	25.49 1.28 0.00	24.35 1.33 0.00	24.18 1.33 0.00	25.04 1.37 0.00	24.90 1.41 0.00	25.87 1.49 0.00	29.89 1.75 0.00	34.99 2.20 -0.03	42.86 2.51 -0.53	50.25 2.85 -0.66	50.29 2.99 -0.66	39.02 2.26 -0.88	30.85 1.84 -1.06	26.84 1.48 -2.63
FALCON____SEABRD_CC1 323796	29.57 0.00 0.00	26.34 0.08 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.60 0.23 0.00	28.41 0.20 0.00	37.38 0.41 0.00	38.97 0.54 0.00	33.02 0.23 0.00	28.07 0.60 0.00	24.74 0.53 0.00	23.15 0.14 0.00	22.96 0.11 0.00	23.74 0.07 0.00	23.56 0.07 0.00	24.53 0.15 0.00	28.32 0.17 0.00	33.19 0.42 0.00	40.57 0.75 0.00	47.48 0.75 0.00	47.44 0.79 0.00	36.23 0.36 0.00	27.89 -0.06 0.00	22.56 -0.18 0.00



FALCON___SEABRD_CC2 323797	29.57 0.00 0.00	26.34 0.08 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.60 0.23 0.00	28.41 0.20 0.00	37.38 0.41 0.00	38.97 0.54 0.00	33.02 0.23 0.00	28.07 0.60 0.00	24.74 0.53 0.00	23.15 0.14 0.00	22.96 0.11 0.00	23.74 0.07 0.00	23.56 0.07 0.00	24.53 0.15 0.00	28.32 0.17 0.00	33.19 0.42 0.00	40.57 0.75 0.00	47.48 0.75 0.00	47.44 0.79 0.00	36.23 0.36 0.00	27.89 -0.06 0.00	22.56 -0.18 0.00
FAR ROCKAWAY___4 23548	31.85 2.28 0.00	28.16 1.89 0.00	26.97 1.83 0.00	26.79 1.73 0.00	27.05 1.67 0.00	29.96 1.75 0.00	39.11 2.14 0.00	40.66 2.23 0.00	35.06 2.26 0.00	29.47 2.01 0.00	26.05 1.84 0.00	25.11 2.09 0.00	24.95 2.10 0.00	25.86 2.20 0.00	25.77 2.28 0.00	26.83 2.44 0.00	31.00 2.84 -0.01	39.20 3.37 -3.06	44.30 3.94 -0.54	51.98 4.58 -0.66	52.02 4.71 -0.66	40.34 3.59 -0.88	31.83 2.85 -1.03	27.41 2.09 -2.58
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	31.35 1.77 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.75 1.37 0.00	29.68 1.47 0.00	38.93 1.96 0.00	40.54 2.11 0.00	34.99 2.20 0.00	29.47 2.01 0.00	25.95 1.74 0.00	24.85 1.84 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.42 1.93 0.00	26.41 2.02 0.00	30.45 2.31 0.00	35.61 2.82 -0.03	43.53 3.19 -0.52	50.98 3.60 -0.65	51.12 3.82 -0.65	39.57 2.83 -0.86	31.25 2.26 -1.03	27.13 1.82 -2.57
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	31.37 1.80 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.77 1.40 0.00	29.71 1.50 0.00	38.93 1.96 0.00	40.54 2.11 0.00	34.99 2.20 0.00	29.47 2.01 0.00	25.95 1.74 0.00	24.85 1.84 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.42 1.93 0.00	26.41 2.02 0.00	30.45 2.31 0.00	35.61 2.82 -0.03	43.53 3.19 -0.52	50.98 3.60 -0.65	51.12 3.82 -0.65	39.57 2.83 -0.86	31.25 2.26 -1.03	27.13 1.82 -2.57
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	31.35 1.77 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.75 1.37 0.00	29.68 1.47 0.00	38.93 1.96 0.00	40.54 2.11 0.00	34.96 2.16 0.00	29.47 2.01 0.00	25.95 1.74 0.00	24.85 1.84 0.00	24.68 1.83 0.00	25.56 1.89 0.00	25.42 1.93 0.00	26.39 2.00 0.00	30.43 2.28 0.00	35.61 2.82 -0.03	43.49 3.15 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.54 2.80 -0.86	31.25 2.26 -1.03	27.11 1.80 -2.57
FARRAGUT___LBMP 323566	31.35 1.77 0.00	27.68 1.42 0.00	26.57 1.43 0.00	26.44 1.38 0.00	26.75 1.37 0.00	29.68 1.47 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.93 2.13 0.00	29.45 1.98 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.66 1.81 0.00	25.53 1.87 0.00	25.40 1.90 0.00	26.39 2.00 0.00	30.40 2.25 0.00	35.58 2.79 -0.03	43.45 3.11 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.11 1.80 -2.57
FENNER___WINDPWR 24204	29.90 0.33 0.00	26.61 0.34 0.00	25.41 0.28 0.00	25.36 0.30 0.00	25.73 0.36 0.00	28.69 0.48 0.00	37.64 0.67 0.00	39.12 0.69 0.00	33.25 0.46 0.00	27.66 0.19 0.00	24.35 0.15 0.00	23.11 0.09 0.00	22.90 0.05 0.00	23.74 0.07 0.00	23.52 0.02 0.00	24.44 0.05 0.00	28.26 0.11 0.00	32.93 0.16 0.00	40.30 0.48 0.00	47.58 0.84 0.00	47.35 0.70 0.00	36.34 0.47 0.00	28.23 0.28 0.00	23.25 0.18 -0.32
FIBERTEK___ENERGY 23856	29.36 -0.21 0.00	26.13 -0.13 0.00	24.93 -0.20 0.00	24.86 -0.20 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.78 -0.18 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.84 -0.31 0.00	32.21 -0.56 0.00	39.18 -0.64 0.00	46.13 -0.61 0.00	45.99 -0.65 0.00	35.41 -0.47 0.00	27.53 -0.42 0.00	22.70 -0.32 -0.28
FITZPATRICK____ 23598	28.71 -0.86 0.00	25.53 -0.74 0.00	24.38 -0.75 0.00	24.31 -0.75 0.00	24.61 -0.76 0.00	27.40 -0.82 0.00	35.90 -1.07 0.00	37.35 -1.08 0.00	31.88 -0.92 0.00	26.67 -0.80 0.00	23.55 -0.65 0.00	22.37 -0.64 0.00	22.21 -0.64 0.00	23.00 -0.66 0.00	22.81 -0.68 0.00	23.63 -0.76 0.00	27.22 -0.93 0.00	31.52 -1.25 0.00	38.31 -1.51 0.00	45.06 -1.68 0.00	44.92 -1.72 0.00	34.55 -1.33 0.00	26.94 -1.01 0.00	22.15 -0.75 -0.16
FLOWRFLD_69_KV_BK1 356044	31.79 2.22 0.00	28.10 1.84 0.00	26.92 1.78 0.00	26.76 1.70 0.00	27.00 1.62 0.00	29.63 1.41 0.00	38.56 1.59 0.00	40.04 1.61 0.00	34.53 1.74 0.00	29.09 1.62 0.00	25.71 1.50 0.00	24.99 1.98 0.00	24.93 2.08 0.00	25.77 2.11 0.00	25.80 2.30 0.00	26.85 2.46 0.00	31.11 2.96 -0.01	36.35 3.34 -0.24	44.09 3.74 -0.53	51.79 4.39 -0.66	51.83 4.52 -0.66	40.48 3.73 -0.87	31.75 2.77 -1.03	27.32 2.00 -2.58
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	31.11 1.54 0.00	27.53 1.26 0.00	26.44 1.31 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.54 1.33 0.00	38.78 1.81 0.00	40.31 1.88 0.00	34.53 1.74 0.00	28.98 1.51 0.00	25.49 1.28 0.00	24.30 1.29 0.00	24.15 1.30 0.00	24.99 1.33 0.00	24.88 1.39 0.00	25.83 1.44 0.00	29.92 1.77 0.00	35.11 2.33 -0.02	42.98 2.75 -0.42	50.48 3.22 -0.52	50.48 3.31 -0.52	39.01 2.44 -0.69	30.76 1.98 -0.83	26.91 1.59 -2.58
FORT ORANGE____ 23900	30.34 0.77 0.00	26.92 0.66 0.00	25.81 0.68 0.00	25.71 0.65 0.00	26.01 0.63 0.00	28.92 0.71 0.00	37.89 0.92 0.00	39.35 0.92 0.00	33.61 0.82 0.00	28.24 0.77 0.00	24.76 0.56 0.00	23.59 0.58 0.00	23.42 0.57 0.00	24.21 0.54 0.00	24.10 0.61 0.00	25.14 0.76 0.00	29.19 1.04 0.00	33.78 1.48 0.46	32.58 1.71 8.95	37.54 1.92 11.12	37.43 1.91 11.13	22.66 1.62 14.83	11.64 1.42 17.74	26.64 1.09 -2.80
FORT_DRUM_COGEN 23780	29.13 -0.44 0.00	25.95 -0.32 0.00	24.81 -0.33 0.00	24.93 -0.13 0.00	25.40 0.03 0.00	28.33 0.11 0.00	37.45 0.48 0.00	38.85 0.42 0.00	32.56 -0.23 0.00	26.81 -0.66 0.00	23.58 -0.63 0.00	22.35 -0.67 0.00	22.07 -0.78 0.00	22.95 -0.71 0.00	22.74 -0.75 0.00	23.73 -0.66 0.00	27.39 -0.76 0.00	32.08 -0.69 0.00	39.82 0.00 0.00	47.44 0.70 0.00	46.97 0.33 0.00	35.70 -0.18 0.00	27.56 -0.39 0.00	22.43 -0.45 -0.15
FOX_HILLS___ESR 323835	31.74 2.16 -0.01	28.03 1.76 0.00	26.90 1.76 -0.01	26.77 1.70 -0.01	27.05 1.67 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.62 2.19 0.00	35.15 2.36 0.00	29.66 2.20 0.00	26.12 1.91 0.00	25.02 2.00 0.00	24.86 2.01 0.00	25.79 2.13 0.00	25.63 2.14 0.00	26.63 2.24 0.00	30.69 2.53 -0.01	35.85 3.05 -0.03	43.72 3.38 -0.52	51.08 3.69 -0.65	51.17 3.87 -0.65	39.83 3.09 -0.87	31.50 2.52 -1.03	27.39 2.07 -2.58
FPL FAR_ROCK_GT1 24212	31.91 2.34 0.00	28.16 1.89 0.00	26.97 1.83 0.00	26.81 1.75 0.00	27.05 1.67 0.00	30.11 1.89 0.00	39.11 2.14 0.00	40.81 2.38 0.00	35.05 2.26 0.00	29.47 2.00 0.00	26.17 1.96 0.00	25.11 2.09 0.00	24.95 2.10 0.00	25.87 2.20 0.00	25.77 2.28 0.00	26.90 2.51 0.00	31.11 2.95 -0.01	39.23 3.41 -3.06	44.30 3.94 -0.54	51.98 4.58 -0.66	52.02 4.71 -0.66	40.34 3.59 -0.88	31.80 2.82 -1.03	27.43 2.12 -2.58



FPL_FAR_ROCK_GT2 23815	31.91 2.34 0.00	28.16 1.89 0.00	26.97 1.83 0.00	26.81 1.75 0.00	27.05 1.67 0.00	30.11 1.89 0.00	39.11 2.14 0.00	40.81 2.38 0.00	35.05 2.26 0.00	29.47 2.00 0.00	26.17 1.96 0.00	25.11 2.09 0.00	24.95 2.10 0.00	25.87 2.20 0.00	25.77 2.28 0.00	26.90 2.51 0.00	31.11 2.95 -0.01	39.23 3.41 -3.06	44.30 3.94 -0.54	51.98 4.58 -0.66	52.02 4.71 -0.66	40.34 3.59 -0.88	31.80 2.82 -1.03	27.43 2.12 -2.58
FRANKLIN_FALL_HYD 24054	29.45 -0.12 0.00	26.24 -0.03 0.00	24.98 -0.15 0.00	25.14 0.08 0.00	25.50 0.13 0.00	28.30 0.08 0.00	37.23 0.26 0.00	38.77 0.35 0.00	32.76 -0.03 0.00	27.52 0.05 0.00	24.23 0.02 0.00	22.92 -0.09 0.00	22.76 -0.09 0.00	23.52 -0.14 0.00	23.35 -0.14 0.00	24.29 -0.10 0.00	28.09 -0.06 0.00	32.96 0.20 0.00	40.38 0.56 0.00	47.25 0.51 0.00	47.21 0.56 0.00	35.98 0.11 0.00	27.67 -0.28 0.00	22.35 -0.39 0.00
FREEPORT_EQUS_GT1 23764	31.70 2.13 0.00	27.97 1.71 0.00	26.82 1.68 0.00	26.69 1.63 0.00	26.90 1.52 0.00	29.91 1.69 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.83 2.03 0.00	29.28 1.81 0.00	26.00 1.79 0.00	24.97 1.96 0.00	24.84 1.99 0.00	25.72 2.06 0.00	25.65 2.16 0.00	26.75 2.36 0.00	30.94 2.79 -0.01	37.23 3.18 -1.29	43.98 3.62 -0.53	51.60 4.21 -0.66	51.64 4.34 -0.66	40.09 3.34 -0.88	31.58 2.60 -1.03	27.27 1.96 -2.58
FREEPORT___CT2 23818	31.70 2.13 0.00	27.97 1.71 0.00	26.82 1.68 0.00	26.69 1.63 0.00	26.90 1.52 0.00	29.91 1.69 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.83 2.03 0.00	29.28 1.81 0.00	26.00 1.79 0.00	24.97 1.96 0.00	24.84 1.99 0.00	25.72 2.06 0.00	25.65 2.16 0.00	26.75 2.36 0.00	30.94 2.79 -0.01	37.23 3.18 -1.29	43.98 3.62 -0.53	51.60 4.21 -0.66	51.64 4.34 -0.66	40.09 3.34 -0.88	31.58 2.60 -1.03	27.27 1.96 -2.58
FRESHKLS_33_KV_LOAD 356253	31.80 2.22 -0.01	28.08 1.81 0.00	26.95 1.81 -0.01	26.80 1.73 -0.01	27.10 1.73 0.00	29.96 1.75 0.00	39.19 2.22 0.00	40.62 2.19 0.00	35.15 2.36 0.00	29.66 2.20 0.00	26.09 1.89 0.00	24.99 1.98 0.00	24.84 1.99 0.00	25.79 2.13 0.00	25.63 2.14 0.00	26.63 2.24 0.00	30.69 2.53 -0.01	35.85 3.05 -0.03	43.69 3.34 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.87 3.12 -0.87	31.53 2.54 -1.03	27.41 2.09 -2.58
FULTON COGEN____ 23766	29.07 -0.50 0.00	25.85 -0.42 0.00	24.68 -0.45 0.00	24.61 -0.45 0.00	24.89 -0.48 0.00	27.76 -0.45 0.00	36.38 -0.59 0.00	37.89 -0.54 0.00	32.30 -0.49 0.00	27.00 -0.47 0.00	23.82 -0.39 0.00	22.62 -0.39 0.00	22.46 -0.39 0.00	23.24 -0.43 0.00	23.07 -0.42 0.00	23.97 -0.41 0.00	27.64 -0.51 0.00	31.95 -0.82 0.00	38.86 -0.96 0.00	45.76 -0.98 0.00	45.62 -1.03 0.00	35.12 -0.75 0.00	27.31 -0.64 0.00	22.46 -0.50 -0.22
FULTON___LFGE 323630	31.91 2.34 0.00	28.32 2.05 0.00	27.09 1.96 0.00	27.02 1.96 0.00	27.38 2.00 0.00	30.61 2.40 0.00	40.15 3.18 0.00	41.27 2.84 0.00	34.53 1.74 0.00	28.51 1.04 0.00	24.98 0.77 0.00	23.59 0.58 0.00	23.42 0.57 0.00	24.26 0.59 0.00	24.03 0.54 0.00	25.05 0.66 0.00	29.13 0.98 0.00	34.62 1.61 -0.25	47.48 2.83 -4.83	56.85 4.11 -6.00	56.90 4.24 -6.01	47.00 3.12 -8.00	39.87 2.35 -9.57	28.27 1.84 -3.68
G.F.CEMENT___DRP 24184	31.29 1.72 0.00	27.74 1.47 0.00	26.57 1.43 0.00	26.49 1.43 0.00	26.82 1.45 0.00	29.94 1.72 0.00	39.30 2.33 0.00	40.81 2.38 0.00	34.60 1.80 0.00	28.84 1.37 0.00	25.25 1.04 0.00	23.84 0.83 0.00	23.67 0.82 0.00	24.49 0.83 0.00	24.41 0.92 0.00	25.44 1.05 0.00	29.58 1.44 0.00	34.60 1.51 -0.33	48.12 1.91 -6.39	57.20 2.52 -7.94	57.26 2.66 -7.95	48.37 1.90 -10.59	42.10 1.48 -12.67	27.32 1.18 -3.40
GARDENVILLE___LBMP 24039	28.51 -1.06 0.00	25.40 -0.87 0.00	23.80 -1.33 0.00	23.66 -1.40 0.00	23.95 -1.42 0.00	26.97 -1.24 0.00	35.01 -1.96 0.00	36.24 -2.19 0.00	31.48 -1.31 0.00	26.12 -1.35 0.00	23.14 -1.07 0.00	21.75 -1.27 0.00	21.52 -1.33 0.00	22.24 -1.42 0.00	21.83 -1.67 0.00	22.39 -2.00 0.00	25.53 -2.62 0.00	29.42 -3.34 0.00	35.76 -4.06 0.00	41.92 -4.81 0.00	41.42 -5.22 0.00	32.57 -3.30 0.00	25.32 -2.63 0.00	21.46 -1.73 -0.45
GARDNVLA_35_KV_LD 355827	28.57 -1.01 0.00	25.45 -0.81 0.00	23.88 -1.26 0.00	23.71 -1.35 0.00	24.03 -1.34 0.00	27.06 -1.16 0.00	35.12 -1.85 0.00	36.35 -2.08 0.00	31.58 -1.21 0.00	26.20 -1.26 0.00	23.21 -0.99 0.00	21.82 -1.20 0.00	21.59 -1.26 0.00	22.34 -1.33 0.00	21.90 -1.60 0.00	22.46 -1.93 0.00	25.58 -2.56 0.00	29.52 -3.24 0.00	35.88 -3.94 0.00	42.02 -4.72 0.00	41.56 -5.08 0.00	32.68 -3.19 0.00	25.41 -2.54 0.00	21.53 -1.66 -0.45
GELCKHM___115KV_LOAD 80723	29.19 -0.38 0.00	25.95 -0.32 0.00	24.78 -0.35 0.00	24.68 -0.38 0.00	24.99 -0.38 0.00	27.88 -0.34 0.00	36.53 -0.44 0.00	38.04 -0.38 0.00	32.47 -0.33 0.00	27.14 -0.33 0.00	23.94 -0.27 0.00	22.74 -0.28 0.00	22.58 -0.27 0.00	23.36 -0.31 0.00	23.19 -0.31 0.00	24.07 -0.32 0.00	27.75 -0.39 0.00	32.11 -0.66 0.00	39.06 -0.76 0.00	45.99 -0.75 0.00	45.85 -0.79 0.00	35.27 -0.61 0.00	27.45 -0.50 0.00	22.61 -0.39 -0.26
GENERAL___MILLS 23808	28.54 -1.03 0.00	25.42 -0.84 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.01 -1.37 0.00	27.00 -1.21 0.00	35.08 -1.89 0.00	36.31 -2.11 0.00	31.51 -1.28 0.00	26.15 -1.32 0.00	23.17 -1.04 0.00	21.77 -1.24 0.00	21.55 -1.30 0.00	22.29 -1.37 0.00	21.85 -1.64 0.00	22.41 -1.98 0.00	25.56 -2.59 0.00	29.46 -3.31 0.00	35.80 -4.02 0.00	41.97 -4.77 0.00	41.47 -5.18 0.00	32.65 -3.23 0.00	25.35 -2.60 0.00	21.48 -1.71 -0.45
GE_PLASTICS___DRP 24183	30.28 0.71 0.00	26.87 0.60 0.00	25.76 0.63 0.00	25.69 0.63 0.00	25.98 0.61 0.00	28.86 0.65 0.00	37.78 0.81 0.00	39.24 0.81 0.00	33.51 0.72 0.00	28.15 0.69 0.00	24.74 0.53 0.00	23.59 0.58 0.00	23.40 0.55 0.00	24.23 0.57 0.00	24.10 0.61 0.00	25.05 0.66 0.00	28.96 0.82 0.00	33.72 1.21 0.26	36.17 1.39 5.04	42.01 1.54 6.27	41.96 1.59 6.27	28.81 1.29 8.36	19.10 1.15 10.00	26.54 0.86 -2.93
GILBOA___1 23756	30.37 0.80 0.00	26.92 0.66 0.00	25.89 0.75 0.00	25.79 0.73 0.00	26.08 0.71 0.00	28.89 0.68 0.00	37.86 0.89 0.00	39.35 0.92 0.00	33.61 0.82 0.00	28.18 0.71 0.00	24.81 0.61 0.00	23.64 0.62 0.00	23.56 0.71 0.00	24.40 0.73 0.00	24.24 0.75 0.00	25.12 0.73 0.00	29.02 0.87 0.00	33.85 1.08 0.00	41.09 1.27 0.00	48.09 1.36 0.00	48.04 1.40 0.00	37.06 1.18 0.00	28.90 0.95 0.00	25.98 0.77 -2.47
GILBOA___2 23757	30.37 0.80 0.00	26.92 0.66 0.00	25.89 0.75 0.00	25.79 0.73 0.00	26.08 0.71 0.00	28.89 0.68 0.00	37.86 0.89 0.00	39.35 0.92 0.00	33.61 0.82 0.00	28.18 0.71 0.00	24.81 0.61 0.00	23.64 0.62 0.00	23.56 0.71 0.00	24.40 0.73 0.00	24.24 0.75 0.00	25.12 0.73 0.00	29.02 0.87 0.00	33.85 1.08 0.00	41.09 1.27 0.00	48.09 1.36 0.00	48.04 1.40 0.00	37.06 1.18 0.00	28.90 0.95 0.00	25.98 0.77 -2.47



GILBOA___3 23758	30.37 0.80 0.00	26.92 0.66 0.00	25.89 0.75 0.00	25.79 0.73 0.00	26.08 0.71 0.00	28.89 0.68 0.00	37.86 0.89 0.00	39.35 0.92 0.00	33.61 0.82 0.00	28.18 0.71 0.00	24.81 0.61 0.00	23.64 0.62 0.00	23.56 0.71 0.00	24.40 0.73 0.00	24.24 0.75 0.00	25.12 0.73 0.00	29.02 0.87 0.00	33.85 1.08 0.00	41.09 1.27 0.00	48.09 1.36 0.00	48.04 1.40 0.00	37.06 1.18 0.00	28.90 0.95 0.00	25.98 0.77 -2.47
GILBOA___4 23759	30.37 0.80 0.00	26.92 0.66 0.00	25.89 0.75 0.00	25.79 0.73 0.00	26.08 0.71 0.00	28.89 0.68 0.00	37.86 0.89 0.00	39.35 0.92 0.00	33.61 0.82 0.00	28.18 0.71 0.00	24.81 0.61 0.00	23.64 0.62 0.00	23.56 0.71 0.00	24.40 0.73 0.00	24.24 0.75 0.00	25.12 0.73 0.00	29.02 0.87 0.00	33.85 1.08 0.00	41.09 1.27 0.00	48.09 1.36 0.00	48.04 1.40 0.00	37.06 1.18 0.00	28.90 0.95 0.00	25.98 0.77 -2.47
GILBOA___ 23599	30.37 0.80 0.00	26.92 0.66 0.00	25.89 0.75 0.00	25.79 0.73 0.00	26.09 0.71 0.00	28.89 0.68 0.00	37.86 0.89 0.00	39.31 0.88 0.00	33.61 0.82 0.00	28.18 0.71 0.00	24.81 0.61 0.00	23.64 0.62 0.00	23.56 0.71 0.00	24.40 0.73 0.00	24.25 0.75 0.00	25.09 0.71 0.00	28.96 0.82 0.00	33.85 1.08 0.00	41.09 1.27 0.00	48.09 1.36 0.00	48.04 1.40 0.00	37.06 1.18 0.00	28.93 0.98 0.00	25.98 0.77 -2.47
GINNA___ 23603	27.59 -1.98 0.00	24.64 -1.63 0.00	23.30 -1.83 0.00	23.18 -1.88 0.00	23.50 -1.88 0.00	26.38 -1.83 0.00	34.35 -2.62 0.00	35.20 -3.23 0.00	30.79 -2.00 0.00	25.54 -1.92 0.00	22.51 -1.70 0.00	21.33 -1.68 0.00	20.91 -1.94 0.00	21.82 -1.85 0.00	21.40 -2.09 0.00	22.09 -2.29 0.00	25.39 -2.76 0.00	29.59 -3.18 0.00	35.80 -4.02 0.00	42.20 -4.53 0.00	41.98 -4.66 0.00	32.65 -3.23 0.00	25.38 -2.57 0.00	20.92 -2.16 -0.34
GLEN PARK___ 23778	29.22 -0.35 0.00	26.03 -0.24 0.00	24.88 -0.25 0.00	25.01 -0.05 0.00	25.48 0.10 0.00	28.44 0.22 0.00	37.56 0.59 0.00	39.08 0.65 0.00	32.60 -0.20 0.00	26.81 -0.66 0.00	23.55 -0.65 0.00	22.32 -0.69 0.00	22.05 -0.80 0.00	22.93 -0.73 0.00	22.72 -0.77 0.00	23.68 -0.71 0.00	27.36 -0.79 0.00	32.08 -0.69 0.00	39.90 0.08 0.00	47.62 0.89 0.00	47.16 0.51 0.00	35.80 -0.07 0.00	27.64 -0.31 0.00	22.53 -0.36 -0.15
GLENDALE_27_KV_LOAD 356172	31.59 2.01 -0.01	27.89 1.63 0.00	26.80 1.66 -0.01	26.65 1.58 -0.01	26.92 1.55 0.00	29.82 1.61 0.00	39.04 2.07 0.00	40.70 2.27 0.00	35.12 2.33 0.00	29.64 2.17 0.00	26.09 1.89 0.00	24.99 1.98 0.00	24.84 1.99 0.00	25.75 2.08 0.00	25.58 2.09 0.00	26.58 2.19 0.00	30.62 2.48 0.00	35.84 3.05 -0.03	43.72 3.38 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.72 2.98 -0.86	31.39 2.40 -1.03	27.30 1.98 -2.58
GLENWOOD_IC_1_G5 23712	31.49 1.92 0.00	27.84 1.58 0.00	26.69 1.56 0.00	26.54 1.48 0.00	26.82 1.45 0.00	29.71 1.50 0.00	38.89 1.92 0.00	40.43 2.00 0.00	34.86 2.07 0.00	29.34 1.87 0.00	25.88 1.67 0.00	24.88 1.86 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.51 2.02 0.00	26.53 2.15 0.00	30.64 2.48 -0.02	36.84 2.98 -1.09	43.78 3.42 -0.54	51.19 3.79 -0.66	51.23 3.92 -0.66	39.84 3.09 -0.88	31.41 2.43 -1.03	27.18 1.86 -2.58
GLENWOOD_IC_2_G1 23688	31.38 1.80 0.00	27.74 1.47 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.78 1.81 0.00	40.43 2.00 0.00	34.76 1.97 0.00	29.25 1.78 0.00	25.85 1.65 0.00	24.76 1.75 0.00	24.61 1.76 0.00	25.49 1.82 0.00	25.37 1.88 0.00	26.44 2.05 0.00	30.51 2.36 0.00	35.61 2.78 -0.06	43.49 3.14 -0.52	51.03 3.65 -0.65	51.07 3.78 -0.65	39.61 2.87 -0.86	31.25 2.26 -1.03	27.11 1.80 -2.58
GLENWOOD_IC_3_G1 23689	31.38 1.80 0.00	27.74 1.47 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.78 1.81 0.00	40.43 2.00 0.00	34.76 1.97 0.00	29.25 1.78 0.00	25.85 1.65 0.00	24.76 1.75 0.00	24.61 1.76 0.00	25.49 1.82 0.00	25.37 1.88 0.00	26.44 2.05 0.00	30.51 2.36 0.00	35.61 2.78 -0.06	43.49 3.14 -0.52	51.03 3.65 -0.65	51.07 3.78 -0.65	39.61 2.87 -0.86	31.25 2.26 -1.03	27.11 1.80 -2.58
GLENWOOD___4 23550	31.49 1.92 0.00	27.84 1.58 0.00	26.69 1.56 0.00	26.54 1.48 0.00	26.82 1.45 0.00	29.71 1.50 0.00	38.89 1.92 0.00	40.43 2.00 0.00	34.86 2.07 0.00	29.34 1.87 0.00	25.88 1.67 0.00	24.88 1.86 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.51 2.02 0.00	26.53 2.15 0.00	30.64 2.48 -0.02	36.84 2.98 -1.09	43.78 3.42 -0.54	51.23 3.83 -0.66	51.32 4.01 -0.66	39.84 3.09 -0.88	31.41 2.43 -1.03	27.18 1.86 -2.58
GLENWOOD___5 23614	31.49 1.92 0.00	27.84 1.58 0.00	26.69 1.56 0.00	26.54 1.48 0.00	26.82 1.45 0.00	29.71 1.50 0.00	38.89 1.92 0.00	40.43 2.00 0.00	34.86 2.07 0.00	29.34 1.87 0.00	25.88 1.67 0.00	24.88 1.86 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.51 2.02 0.00	26.53 2.15 0.00	30.64 2.48 -0.02	36.84 2.98 -1.09	43.78 3.42 -0.54	51.23 3.83 -0.66	51.32 4.01 -0.66	39.84 3.09 -0.88	31.41 2.43 -1.03	27.18 1.86 -2.58
GLOBAL GREEN_PORT_GT1 23814	31.61 2.04 0.00	27.87 1.60 0.00	26.72 1.58 0.00	26.59 1.53 0.00	26.74 1.37 0.00	29.51 1.30 0.00	37.82 0.85 0.00	39.58 1.15 0.00	33.84 1.05 0.00	28.62 1.15 0.00	25.54 1.33 0.00	24.76 1.75 0.00	24.82 1.97 0.00	25.70 2.04 0.00	25.91 2.42 0.00	27.02 2.63 0.00	31.36 3.21 -0.01	36.27 3.28 -0.23	43.97 3.62 -0.53	51.69 4.30 -0.66	51.69 4.38 -0.66	40.27 3.52 -0.87	31.25 2.26 -1.03	27.04 1.73 -2.58
GLOBE___DSASP 323697	27.68 -1.89 0.00	24.66 -1.60 0.00	23.07 -2.06 0.00	22.90 -2.16 0.00	23.22 -2.16 0.00	26.16 -2.06 0.00	33.83 -3.14 0.00	35.12 -3.30 0.00	30.56 -2.23 0.00	25.46 -2.01 0.00	22.58 -1.62 0.00	21.22 -1.80 0.00	20.95 -1.90 0.00	21.70 -1.96 0.00	21.24 -2.26 0.00	21.83 -2.56 0.00	24.85 -3.29 0.00	28.57 -4.19 0.00	34.60 -5.22 0.00	40.52 -6.22 0.00	40.12 -6.53 0.00	31.64 -4.23 0.00	24.74 -3.21 0.00	21.11 -2.05 -0.42
GOETHSLN___LBMP 323567	31.23 1.66 0.00	27.58 1.31 0.00	26.49 1.36 0.00	26.34 1.28 0.00	26.64 1.27 0.00	29.57 1.35 0.00	38.74 1.77 0.00	40.39 1.96 0.00	34.86 2.07 0.00	29.36 1.90 0.00	25.85 1.65 0.00	24.79 1.77 0.00	24.59 1.74 0.00	25.49 1.82 0.00	25.33 1.83 0.00	26.31 1.93 0.00	30.34 2.20 0.00	35.48 2.69 -0.03	43.33 2.99 -0.52	50.75 3.37 -0.65	50.89 3.59 -0.65	39.43 2.69 -0.86	31.13 2.15 -1.03	27.02 1.71 -2.57
GOLAH___69_KV_TB 1_2 80279	28.77 -0.80 0.00	25.69 -0.58 0.00	24.23 -0.90 0.00	24.11 -0.95 0.00	24.46 -0.91 0.00	27.51 -0.71 0.00	35.75 -1.22 0.00	37.08 -1.34 0.00	32.01 -0.79 0.00	26.56 -0.91 0.00	23.48 -0.73 0.00	22.09 -0.92 0.00	21.78 -1.07 0.00	22.60 -1.06 0.00	22.15 -1.34 0.00	22.85 -1.54 0.00	26.20 -1.94 0.00	30.37 -2.39 0.00	36.87 -2.95 0.00	43.47 -3.27 0.00	43.24 -3.41 0.00	33.76 -2.12 0.00	26.27 -1.68 0.00	22.21 -0.89 -0.35



GOODYEAR_LAKE_HYD 323669	30.87 1.30 0.00	27.42 1.16 0.00	26.24 1.11 0.00	26.16 1.10 0.00	26.52 1.14 0.00	29.51 1.30 0.00	38.74 1.77 0.00	40.12 1.69 0.00	34.07 1.28 0.00	28.35 0.88 0.00	24.93 0.73 0.00	23.68 0.67 0.00	23.47 0.62 0.00	24.35 0.69 0.00	24.13 0.63 0.00	25.05 0.66 0.00	28.93 0.79 0.00	33.92 1.08 -0.07	42.89 1.67 -1.40	50.77 2.29 -1.74	50.63 2.24 -1.75	39.85 1.65 -2.33	31.96 1.23 -2.78	24.52 0.98 -0.80
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	29.75 0.18 0.00	26.45 0.18 0.00	25.21 0.08 0.00	25.09 0.03 0.00	25.40 0.03 0.00	28.33 0.11 0.00	37.04 0.07 0.00	38.35 -0.08 0.00	32.96 0.16 0.00	27.49 0.03 0.00	24.23 0.02 0.00	22.97 -0.05 0.00	22.78 -0.07 0.00	23.59 -0.07 0.00	23.35 -0.14 0.00	24.19 -0.20 0.00	27.86 -0.28 0.00	32.34 -0.43 0.00	39.42 -0.40 0.00	46.36 -0.37 0.00	46.18 -0.47 0.00	35.70 -0.18 0.00	27.75 -0.20 0.00	23.46 -0.11 -0.83
GOUDEY___7 23579	29.75 0.18 0.00	26.45 0.18 0.00	25.21 0.08 0.00	25.09 0.03 0.00	25.40 0.03 0.00	28.33 0.11 0.00	37.04 0.07 0.00	38.35 -0.08 0.00	32.96 0.16 0.00	27.49 0.03 0.00	24.23 0.02 0.00	22.97 -0.05 0.00	22.78 -0.07 0.00	23.59 -0.07 0.00	23.35 -0.14 0.00	24.19 -0.20 0.00	27.86 -0.28 0.00	32.34 -0.43 0.00	39.42 -0.40 0.00	46.36 -0.37 0.00	46.18 -0.47 0.00	35.70 -0.18 0.00	27.75 -0.20 0.00	23.46 -0.11 -0.83
GOUDEY___8 23580	29.75 0.18 0.00	26.45 0.18 0.00	25.21 0.08 0.00	25.09 0.03 0.00	25.40 0.03 0.00	28.33 0.11 0.00	37.04 0.07 0.00	38.35 -0.08 0.00	32.96 0.16 0.00	27.49 0.03 0.00	24.23 0.02 0.00	22.97 -0.05 0.00	22.78 -0.07 0.00	23.59 -0.07 0.00	23.35 -0.14 0.00	24.19 -0.20 0.00	27.86 -0.28 0.00	32.34 -0.43 0.00	39.42 -0.40 0.00	46.36 -0.37 0.00	46.18 -0.47 0.00	35.70 -0.18 0.00	27.75 -0.20 0.00	23.46 -0.11 -0.83
GOWANUS_GT1_1 24077	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT1_2 24078	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT1_3 24079	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT1_4 24080	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT1_5 24084	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT1_6 24111	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT1_7 24112	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT1_8 24113	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT2_1 24114	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT2_2 24115	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT2_3 24116	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58



GOWANUS_GT2_4 24117	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT2_5 24118	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT2_6 24119	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT2_7 24120	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT2_8 24121	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT3_1 24122	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT3_2 24123	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT3_3 24124	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT3_4 24125	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT3_5 24126	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT3_6 24127	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT3_7 24128	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT3_8 24129	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
GOWANUS_GT4_1 24130	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT4_2 24131	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58



GOWANUS_GT4_3 24132	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT4_4 24133	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT4_5 24134	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT4_6 24135	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT4_7 24136	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GOWANUS_GT4_8 24137	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GREENBSH_115KV_TB3 55895	30.22 0.65 0.00	26.82 0.55 0.00	25.71 0.58 0.00	25.64 0.58 0.00	25.93 0.56 0.00	28.81 0.59 0.00	37.71 0.74 0.00	39.12 0.69 0.00	33.55 0.75 0.00	28.21 0.74 0.00	24.76 0.56 0.00	23.61 0.60 0.00	23.40 0.55 0.00	24.23 0.57 0.00	24.13 0.63 0.00	25.09 0.71 0.00	29.05 0.90 0.00	33.69 1.41 0.49	31.85 1.59 9.56	36.55 1.68 11.87	36.48 1.73 11.89	21.55 1.51 15.83	10.35 1.34 18.94	26.51 0.98 -2.80
GREENIDGE_115KV_TB5 80291	29.54 -0.03 0.00	26.34 0.08 0.00	24.98 -0.15 0.00	24.88 -0.18 0.00	25.22 -0.15 0.00	28.30 0.08 0.00	37.04 0.07 0.00	38.27 -0.15 0.00	32.83 0.03 0.00	27.19 -0.27 0.00	23.96 -0.24 0.00	22.58 -0.44 0.00	22.35 -0.50 0.00	23.12 -0.54 0.00	22.81 -0.68 0.00	23.61 -0.78 0.00	27.19 -0.96 0.00	31.62 -1.15 0.00	38.70 -1.11 0.00	45.47 -1.26 0.00	45.15 -1.49 0.00	35.16 -0.72 0.00	27.17 -0.78 0.00	22.81 -0.45 -0.53
GREENIDGE___3 23582	29.54 -0.03 0.00	26.34 0.08 0.00	24.98 -0.15 0.00	24.88 -0.18 0.00	25.22 -0.15 0.00	28.30 0.08 0.00	37.04 0.07 0.00	38.27 -0.15 0.00	32.83 0.03 0.00	27.19 -0.27 0.00	23.96 -0.24 0.00	22.58 -0.44 0.00	22.35 -0.50 0.00	23.12 -0.54 0.00	22.81 -0.68 0.00	23.61 -0.78 0.00	27.19 -0.96 0.00	31.62 -1.15 0.00	38.70 -1.11 0.00	45.47 -1.26 0.00	45.15 -1.49 0.00	35.16 -0.72 0.00	27.17 -0.78 0.00	22.81 -0.45 -0.53
GREENIDGE___4 23583	29.54 -0.03 0.00	26.34 0.08 0.00	24.98 -0.15 0.00	24.89 -0.17 0.00	25.22 -0.15 0.00	28.30 0.08 0.00	37.04 0.07 0.00	38.01 -0.42 0.00	32.86 0.07 0.00	27.19 -0.27 0.00	23.92 -0.29 0.00	22.58 -0.44 0.00	22.28 -0.57 0.00	23.12 -0.54 0.00	22.81 -0.68 0.00	23.61 -0.78 0.00	27.16 -0.99 0.00	31.62 -1.15 0.00	38.70 -1.11 0.00	45.48 -1.26 0.00	45.15 -1.49 0.00	35.16 -0.72 0.00	27.17 -0.78 0.00	22.59 -0.68 -0.53
GREENLWN_69_KV_BK 3 55738	31.46 1.89 0.00	27.81 1.55 0.00	26.64 1.51 0.00	26.49 1.43 0.00	26.75 1.37 0.00	29.51 1.30 0.00	38.52 1.55 0.00	39.81 1.38 0.00	34.56 1.77 0.00	29.06 1.59 0.00	25.68 1.48 0.00	24.83 1.82 0.00	24.70 1.85 0.00	25.58 1.92 0.00	25.54 2.04 0.00	26.58 2.19 0.00	30.72 2.56 -0.01	36.05 3.01 -0.27	43.46 3.11 -0.53	50.99 3.60 -0.66	51.03 3.73 -0.66	39.80 3.05 -0.87	31.47 2.49 -1.03	27.11 1.80 -2.58
GREENWD_138_KV_38B11_REV_LBMP_J 345004	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58
GRISSOM___SOLAR 323813	31.73 2.16 0.00	28.16 1.89 0.00	26.94 1.81 0.00	26.89 1.83 0.00	27.23 1.85 0.00	30.42 2.20 0.00	39.89 2.92 0.00	41.08 2.65 0.00	34.47 1.67 0.00	28.54 1.07 0.00	25.00 0.80 0.00	23.64 0.62 0.00	23.47 0.62 0.00	24.30 0.64 0.00	24.10 0.61 0.00	25.12 0.73 0.00	29.21 1.07 0.00	34.66 1.64 -0.25	47.41 2.67 -4.93	56.69 3.83 -6.12	56.74 3.96 -6.13	46.94 2.90 -8.16	39.89 2.18 -9.76	28.11 1.73 -3.65
GROVEVILLE___HYD 323602	31.11 1.54 0.00	27.53 1.26 0.00	26.44 1.31 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.54 1.33 0.00	38.78 1.81 0.00	40.31 1.88 0.00	34.53 1.74 0.00	28.98 1.51 0.00	25.49 1.28 0.00	24.30 1.29 0.00	24.15 1.30 0.00	24.99 1.33 0.00	24.88 1.39 0.00	25.83 1.44 0.00	29.92 1.77 0.00	35.11 2.33 -0.02	42.98 2.75 -0.42	50.48 3.22 -0.52	50.48 3.31 -0.52	39.01 2.44 -0.69	30.76 1.98 -0.83	26.91 1.59 -2.58
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	29.36 -0.21 0.00	26.13 -0.13 0.00	24.93 -0.20 0.00	24.86 -0.20 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.78 -0.18 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.84 -0.31 0.00	32.21 -0.56 0.00	39.18 -0.64 0.00	46.13 -0.61 0.00	45.99 -0.65 0.00	35.41 -0.47 0.00	27.53 -0.42 0.00	22.70 -0.32 -0.28



HAMLTNNY_34_KV_TB 80303	29.42 -0.15 0.00	26.19 -0.08 0.00	24.96 -0.18 0.00	24.88 -0.18 0.00	25.20 -0.18 0.00	28.13 -0.08 0.00	36.82 -0.15 0.00	38.20 -0.23 0.00	32.63 -0.16 0.00	27.22 -0.25 0.00	24.01 -0.19 0.00	22.76 -0.25 0.00	22.58 -0.27 0.00	23.38 -0.28 0.00	23.16 -0.33 0.00	24.05 -0.34 0.00	27.72 -0.42 0.00	32.11 -0.66 0.00	39.06 -0.76 0.00	46.04 -0.70 0.00	45.85 -0.79 0.00	35.34 -0.54 0.00	27.47 -0.48 0.00	22.72 -0.32 -0.30
HAMPSHIRE___PAPER_HYD 323593	28.60 -0.98 0.00	25.48 -0.79 0.00	24.35 -0.78 0.00	24.51 -0.55 0.00	24.92 -0.46 0.00	27.71 -0.51 0.00	36.34 -0.63 0.00	37.85 -0.58 0.00	31.78 -1.02 0.00	26.42 -1.04 0.00	23.26 -0.94 0.00	22.05 -0.97 0.00	21.87 -0.98 0.00	22.67 -0.99 0.00	22.51 -0.99 0.00	23.44 -0.95 0.00	27.10 -1.04 0.00	31.78 -0.98 0.00	39.10 -0.72 0.00	46.04 -0.70 0.00	45.66 -0.98 0.00	34.87 -1.00 0.00	26.92 -1.03 0.00	21.89 -0.93 -0.08
HARDSCRABBLE_WT_PWR 323673	28.92 -0.65 0.00	25.74 -0.53 0.00	24.71 -0.43 0.00	24.68 -0.38 0.00	25.10 -0.28 0.00	27.91 -0.31 0.00	36.60 -0.37 0.00	38.12 -0.31 0.00	32.47 -0.33 0.00	27.19 -0.27 0.00	23.94 -0.27 0.00	22.76 -0.25 0.00	22.55 -0.30 0.00	23.38 -0.28 0.00	23.19 -0.31 0.00	24.12 -0.27 0.00	27.86 -0.28 0.00	32.50 -0.26 0.00	39.58 -0.24 0.00	46.55 -0.19 0.00	46.46 -0.19 0.00	35.66 -0.21 0.00	27.81 -0.14 0.00	22.58 -0.16 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	30.99 1.42 0.00	27.42 1.16 0.00	26.31 1.18 0.00	26.19 1.13 0.00	26.49 1.12 0.00	29.40 1.19 0.00	38.52 1.55 0.00	40.08 1.65 0.00	34.43 1.64 0.00	28.92 1.46 0.00	25.44 1.23 0.00	24.28 1.27 0.00	24.11 1.26 0.00	24.99 1.33 0.00	24.86 1.36 0.00	25.80 1.41 0.00	29.86 1.72 0.00	34.92 2.13 -0.02	42.77 2.51 -0.44	50.23 2.94 -0.55	50.23 3.03 -0.55	38.87 2.26 -0.73	30.67 1.84 -0.88	26.63 1.48 -2.41
HARSNRAD_115KV_TB1 81005	28.09 -1.48 0.00	25.06 -1.21 0.00	23.45 -1.68 0.00	23.28 -1.78 0.00	23.60 -1.78 0.00	26.61 -1.61 0.00	34.46 -2.51 0.00	35.74 -2.69 0.00	31.06 -1.74 0.00	25.79 -1.68 0.00	22.87 -1.33 0.00	21.47 -1.54 0.00	21.23 -1.62 0.00	21.96 -1.70 0.00	21.52 -1.97 0.00	22.09 -2.29 0.00	25.19 -2.96 0.00	29.03 -3.74 0.00	35.20 -4.62 0.00	41.27 -5.47 0.00	40.86 -5.78 0.00	32.22 -3.66 0.00	25.10 -2.85 0.00	21.36 -1.80 -0.41
HARZA MOOSE___RIVER 24016	29.42 -0.15 0.00	26.21 -0.05 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.63 0.25 0.00	28.55 0.34 0.00	37.52 0.55 0.00	38.97 0.54 0.00	32.96 0.16 0.00	27.33 -0.14 0.00	24.04 -0.17 0.00	22.83 -0.18 0.00	22.58 -0.27 0.00	23.45 -0.21 0.00	23.23 -0.26 0.00	24.19 -0.20 0.00	28.00 -0.14 0.00	32.77 0.00 0.00	40.26 0.44 0.00	47.62 0.89 0.00	47.11 0.47 0.00	35.95 0.07 0.00	27.84 -0.11 0.00	22.66 -0.18 -0.10
HDSNBRDG_115KV_BRDG_TB1 355580	29.22 -0.35 0.00	25.98 -0.29 0.00	24.81 -0.33 0.00	24.71 -0.35 0.00	25.02 -0.36 0.00	27.90 -0.31 0.00	36.56 -0.41 0.00	38.04 -0.38 0.00	32.50 -0.30 0.00	27.14 -0.33 0.00	23.96 -0.24 0.00	22.74 -0.28 0.00	22.58 -0.27 0.00	23.38 -0.28 0.00	23.19 -0.31 0.00	24.09 -0.29 0.00	27.78 -0.37 0.00	32.11 -0.66 0.00	39.06 -0.76 0.00	45.99 -0.75 0.00	45.85 -0.79 0.00	35.27 -0.61 0.00	27.45 -0.50 0.00	22.61 -0.39 -0.26
HELLGATE_13_KV_LD 55870	31.62 2.04 -0.01	27.92 1.65 0.00	26.83 1.68 -0.01	26.67 1.60 -0.01	26.95 1.57 0.00	29.82 1.61 0.00	39.00 2.03 0.00	40.66 2.23 0.00	35.09 2.30 0.00	29.64 2.17 0.00	26.09 1.89 0.00	24.99 1.98 0.00	24.82 1.97 0.00	25.72 2.06 0.00	25.58 2.09 0.00	26.56 2.17 0.00	30.62 2.48 0.00	35.81 3.01 -0.03	43.69 3.34 -0.52	51.12 3.74 -0.65	51.21 3.92 -0.65	39.65 2.91 -0.86	31.36 2.38 -1.03	27.30 1.98 -2.58
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	31.62 2.04 -0.01	27.92 1.65 0.00	26.83 1.68 -0.01	26.67 1.60 -0.01	26.95 1.57 0.00	29.82 1.61 0.00	39.00 2.03 0.00	40.66 2.23 0.00	35.09 2.30 0.00	29.64 2.17 0.00	26.09 1.89 0.00	24.99 1.98 0.00	24.82 1.97 0.00	25.72 2.06 0.00	25.58 2.09 0.00	26.56 2.17 0.00	30.62 2.48 0.00	35.81 3.01 -0.03	43.69 3.34 -0.52	51.12 3.74 -0.65	51.21 3.92 -0.65	39.65 2.91 -0.86	31.36 2.38 -1.03	27.30 1.98 -2.58
HEMPSTEAD____ 23647	31.49 1.92 0.00	27.81 1.55 0.00	26.67 1.53 0.00	26.51 1.45 0.00	26.74 1.37 0.00	29.74 1.52 0.00	38.71 1.74 0.00	40.35 1.92 0.00	34.69 1.90 0.00	29.17 1.70 0.00	25.88 1.67 0.00	24.83 1.82 0.00	24.70 1.85 0.00	25.58 1.92 0.00	25.49 2.00 0.00	26.58 2.20 0.00	30.72 2.56 -0.01	36.83 2.95 -1.12	43.66 3.30 -0.53	51.23 3.83 -0.66	51.27 3.96 -0.66	39.80 3.05 -0.88	31.36 2.37 -1.03	27.13 1.82 -2.58
HEWLETT_69_KV_BK3 55828	31.76 2.19 0.00	28.08 1.81 0.00	26.89 1.76 0.00	26.71 1.65 0.00	26.97 1.60 0.00	29.88 1.66 0.00	39.00 2.03 0.00	40.50 2.08 0.00	34.96 2.16 0.00	29.39 1.92 0.00	25.97 1.77 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.79 2.13 0.00	25.70 2.21 0.00	26.75 2.37 0.00	30.92 2.76 -0.01	39.07 3.24 -3.06	44.10 3.74 -0.54	51.79 4.39 -0.66	51.83 4.52 -0.66	40.20 3.44 -0.88	31.72 2.74 -1.03	27.34 2.02 -2.58
HICKLING___1 23621	29.63 0.06 0.00	26.40 0.13 0.00	25.03 -0.10 0.00	24.91 -0.15 0.00	25.22 -0.15 0.00	28.24 0.03 0.00	36.90 -0.07 0.00	38.04 -0.38 0.00	32.83 0.03 0.00	27.22 -0.25 0.00	23.99 -0.22 0.00	22.62 -0.39 0.00	22.44 -0.41 0.00	23.19 -0.47 0.00	22.88 -0.61 0.00	23.66 -0.73 0.00	27.22 -0.93 0.00	31.55 -1.21 0.00	38.62 -1.19 0.00	45.47 -1.26 0.00	45.15 -1.49 0.00	35.05 -0.83 0.00	27.11 -0.84 0.00	22.86 -0.55 -0.67
HICKLING___2 23622	29.63 0.06 0.00	26.40 0.13 0.00	25.03 -0.10 0.00	24.91 -0.15 0.00	25.22 -0.15 0.00	28.24 0.03 0.00	36.90 -0.07 0.00	38.04 -0.38 0.00	32.83 0.03 0.00	27.22 -0.25 0.00	23.99 -0.22 0.00	22.62 -0.39 0.00	22.44 -0.41 0.00	23.19 -0.47 0.00	22.88 -0.61 0.00	23.66 -0.73 0.00	27.22 -0.93 0.00	31.55 -1.21 0.00	38.62 -1.19 0.00	45.47 -1.26 0.00	45.15 -1.49 0.00	35.05 -0.83 0.00	27.11 -0.84 0.00	22.86 -0.55 -0.67
HIGH FALLS___HY 23754	30.99 1.42 0.00	27.42 1.16 0.00	26.34 1.21 0.00	26.21 1.15 0.00	26.52 1.14 0.00	29.43 1.21 0.00	38.63 1.66 0.00	40.20 1.77 0.00	34.40 1.61 0.00	28.84 1.37 0.00	25.39 1.19 0.00	24.23 1.22 0.00	24.08 1.23 0.00	24.94 1.28 0.00	24.81 1.32 0.00	25.73 1.34 0.00	29.78 1.63 0.00	34.80 2.06 0.03	41.78 2.47 0.50	49.10 2.99 0.63	49.10 3.08 0.63	37.19 2.15 0.84	28.68 1.73 1.00	26.71 1.43 -2.54
HIGH_RIVER___SOLAR 323847	31.26 1.68 0.00	27.74 1.47 0.00	26.54 1.41 0.00	26.49 1.43 0.00	26.82 1.45 0.00	29.88 1.66 0.00	39.19 2.22 0.00	40.31 1.88 0.00	33.78 0.98 0.00	27.91 0.44 0.00	24.50 0.29 0.00	23.22 0.21 0.00	23.06 0.21 0.00	23.88 0.21 0.00	23.70 0.21 0.00	24.68 0.29 0.00	28.71 0.56 0.00	34.15 1.11 -0.26	47.02 2.03 -5.18	56.11 2.95 -6.43	56.16 3.08 -6.44	46.71 2.26 -8.57	39.94 1.73 -10.25	27.65 1.36 -3.54



HILLBURN___GT 23639	31.11 1.54 0.00	27.50 1.23 0.00	26.39 1.26 0.00	26.26 1.20 0.00	26.54 1.17 0.00	29.46 1.24 0.00	38.59 1.62 0.00	40.24 1.81 0.00	34.60 1.80 0.00	29.09 1.62 0.00	25.63 1.43 0.00	24.46 1.45 0.00	24.31 1.46 0.00	25.18 1.52 0.00	25.04 1.55 0.00	26.07 1.68 0.00	30.12 1.97 0.00	35.15 2.36 -0.02	42.94 2.67 -0.46	50.39 3.08 -0.57	50.43 3.22 -0.57	39.03 2.40 -0.75	30.81 1.96 -0.90	26.77 1.59 -2.44
HILLSIDE_115KV_TB1 80332	29.36 -0.21 0.00	26.13 -0.13 0.00	24.81 -0.33 0.00	24.68 -0.38 0.00	24.99 -0.38 0.00	27.90 -0.31 0.00	36.45 -0.52 0.00	37.58 -0.85 0.00	32.47 -0.33 0.00	27.00 -0.47 0.00	23.79 -0.41 0.00	22.48 -0.53 0.00	22.28 -0.57 0.00	23.07 -0.59 0.00	22.79 -0.70 0.00	23.56 -0.83 0.00	27.10 -1.04 0.00	31.39 -1.38 0.00	38.35 -1.47 0.00	45.10 -1.64 0.00	44.83 -1.82 0.00	34.80 -1.08 0.00	27.00 -0.95 0.00	22.77 -0.66 -0.69
HISHELDN_WT_PWR 323625	28.60 -0.98 0.00	25.50 -0.76 0.00	23.98 -1.16 0.00	23.83 -1.23 0.00	24.16 -1.22 0.00	27.17 -1.04 0.00	35.31 -1.66 0.00	35.97 -2.46 0.00	31.58 -1.21 0.00	26.15 -1.32 0.00	23.02 -1.19 0.00	21.75 -1.27 0.00	21.39 -1.46 0.00	22.27 -1.40 0.00	21.85 -1.65 0.00	22.44 -1.95 0.00	25.61 -2.53 0.00	29.65 -3.11 0.00	36.12 -3.70 0.00	42.39 -4.35 0.00	41.94 -4.71 0.00	32.83 -3.05 0.00	25.41 -2.54 0.00	20.95 -2.27 -0.48
HOLTSVILLE_IC_1 23690	31.76 2.19 0.00	28.00 1.73 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.90 1.52 0.00	29.77 1.55 0.00	38.41 1.44 0.00	40.08 1.65 0.00	34.37 1.57 0.00	28.98 1.51 0.00	25.85 1.65 0.00	24.90 1.89 0.00	24.84 1.99 0.00	25.67 2.01 0.00	25.70 2.21 0.00	26.78 2.39 0.00	31.05 2.90 -0.01	36.14 3.15 -0.23	43.85 3.50 -0.53	51.51 4.11 -0.66	51.59 4.29 -0.66	40.27 3.52 -0.87	31.58 2.60 -1.03	27.25 1.93 -2.58
HOLTSVILLE_IC_10 23699	31.85 2.28 0.00	28.10 1.84 0.00	26.94 1.81 0.00	26.81 1.75 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.03 1.56 0.00	25.93 1.72 0.00	24.97 1.96 0.00	24.93 2.08 0.00	25.75 2.08 0.00	25.80 2.30 0.00	26.88 2.49 0.00	31.17 3.01 -0.01	36.29 3.28 -0.24	44.01 3.66 -0.53	51.74 4.35 -0.66	51.78 4.48 -0.66	40.44 3.70 -0.87	31.69 2.71 -1.03	27.32 2.00 -2.58
HOLTSVILLE_IC_2 23691	31.76 2.19 0.00	28.00 1.73 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.90 1.52 0.00	29.77 1.55 0.00	38.41 1.44 0.00	40.08 1.65 0.00	34.37 1.57 0.00	28.98 1.51 0.00	25.85 1.65 0.00	24.90 1.89 0.00	24.84 1.99 0.00	25.67 2.01 0.00	25.70 2.21 0.00	26.78 2.39 0.00	31.05 2.90 -0.01	36.14 3.15 -0.23	43.85 3.50 -0.53	51.51 4.11 -0.66	51.59 4.29 -0.66	40.27 3.52 -0.87	31.58 2.60 -1.03	27.25 1.93 -2.58
HOLTSVILLE_IC_3 23692	31.76 2.19 0.00	28.00 1.73 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.90 1.52 0.00	29.77 1.55 0.00	38.41 1.44 0.00	40.08 1.65 0.00	34.37 1.57 0.00	28.98 1.51 0.00	25.85 1.65 0.00	24.90 1.89 0.00	24.84 1.99 0.00	25.67 2.01 0.00	25.70 2.21 0.00	26.78 2.39 0.00	31.05 2.90 -0.01	36.14 3.15 -0.23	43.85 3.50 -0.53	51.51 4.11 -0.66	51.59 4.29 -0.66	40.27 3.52 -0.87	31.58 2.60 -1.03	27.25 1.93 -2.58
HOLTSVILLE_IC_4 23693	31.76 2.19 0.00	28.00 1.73 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.90 1.52 0.00	29.77 1.55 0.00	38.41 1.44 0.00	40.08 1.65 0.00	34.37 1.57 0.00	28.98 1.51 0.00	25.85 1.65 0.00	24.90 1.89 0.00	24.84 1.99 0.00	25.67 2.01 0.00	25.70 2.21 0.00	26.78 2.39 0.00	31.05 2.90 -0.01	36.14 3.15 -0.23	43.85 3.50 -0.53	51.51 4.11 -0.66	51.59 4.29 -0.66	40.27 3.52 -0.87	31.58 2.60 -1.03	27.25 1.93 -2.58
HOLTSVILLE_IC_5 23694	31.76 2.19 0.00	28.00 1.73 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.90 1.52 0.00	29.77 1.55 0.00	38.41 1.44 0.00	40.08 1.65 0.00	34.37 1.57 0.00	28.98 1.51 0.00	25.85 1.65 0.00	24.90 1.89 0.00	24.84 1.99 0.00	25.67 2.01 0.00	25.70 2.21 0.00	26.78 2.39 0.00	31.05 2.90 -0.01	36.14 3.15 -0.23	43.85 3.50 -0.53	51.51 4.11 -0.66	51.59 4.29 -0.66	40.27 3.52 -0.87	31.58 2.60 -1.03	27.25 1.93 -2.58
HOLTSVILLE_IC_6 23695	31.85 2.28 0.00	28.10 1.84 0.00	26.94 1.81 0.00	26.81 1.75 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.03 1.56 0.00	25.93 1.72 0.00	24.97 1.96 0.00	24.93 2.08 0.00	25.75 2.08 0.00	25.80 2.30 0.00	26.88 2.49 0.00	31.17 3.01 -0.01	36.29 3.28 -0.24	44.01 3.66 -0.53	51.74 4.35 -0.66	51.78 4.48 -0.66	40.44 3.70 -0.87	31.69 2.71 -1.03	27.32 2.00 -2.58
HOLTSVILLE_IC_7 23696	31.85 2.28 0.00	28.10 1.84 0.00	26.94 1.81 0.00	26.81 1.75 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.03 1.56 0.00	25.93 1.72 0.00	24.97 1.96 0.00	24.93 2.08 0.00	25.75 2.08 0.00	25.80 2.30 0.00	26.88 2.49 0.00	31.17 3.01 -0.01	36.29 3.28 -0.24	44.01 3.66 -0.53	51.74 4.35 -0.66	51.78 4.48 -0.66	40.44 3.70 -0.87	31.69 2.71 -1.03	27.32 2.00 -2.58
HOLTSVILLE_IC_8 23697	31.85 2.28 0.00	28.10 1.84 0.00	26.94 1.81 0.00	26.81 1.75 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.03 1.56 0.00	25.93 1.72 0.00	24.97 1.96 0.00	24.93 2.08 0.00	25.75 2.08 0.00	25.80 2.30 0.00	26.88 2.49 0.00	31.17 3.01 -0.01	36.29 3.28 -0.24	44.01 3.66 -0.53	51.74 4.35 -0.66	51.78 4.48 -0.66	40.44 3.70 -0.87	31.69 2.71 -1.03	27.32 2.00 -2.58
HOLTSVILLE_IC_9 23698	31.85 2.28 0.00	28.10 1.84 0.00	26.94 1.81 0.00	26.81 1.75 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.03 1.56 0.00	25.93 1.72 0.00	24.97 1.96 0.00	24.93 2.08 0.00	25.75 2.08 0.00	25.80 2.30 0.00	26.88 2.49 0.00	31.17 3.01 -0.01	36.29 3.28 -0.24	44.01 3.66 -0.53	51.74 4.35 -0.66	51.78 4.48 -0.66	40.44 3.70 -0.87	31.69 2.71 -1.03	27.32 2.00 -2.58
HOMER_HL_115KV_TB2 355744	28.83 -0.74 0.00	25.69 -0.58 0.00	24.18 -0.96 0.00	24.03 -1.03 0.00	24.33 -1.04 0.00	27.26 -0.96 0.00	35.49 -1.48 0.00	36.39 -2.04 0.00	31.74 -1.05 0.00	26.26 -1.21 0.00	23.21 -0.99 0.00	21.82 -1.20 0.00	21.62 -1.23 0.00	22.34 -1.33 0.00	21.94 -1.55 0.00	22.51 -1.88 0.00	25.70 -2.45 0.00	29.56 -3.21 0.00	36.08 -3.74 0.00	42.30 -4.44 0.00	41.79 -4.85 0.00	32.83 -3.05 0.00	25.49 -2.46 0.00	21.35 -1.89 -0.50
HOWARD_WT_PWR 323690	29.25 -0.32 0.00	26.13 -0.13 0.00	24.78 -0.35 0.00	24.68 -0.38 0.00	25.10 -0.28 0.00	28.24 0.03 0.00	36.90 -0.07 0.00	37.66 -0.77 0.00	32.70 -0.10 0.00	26.94 -0.52 0.00	23.65 -0.56 0.00	22.30 -0.71 0.00	21.98 -0.87 0.00	22.79 -0.88 0.00	22.41 -1.08 0.00	23.09 -1.29 0.00	26.49 -1.66 0.00	30.80 -1.97 0.00	37.71 -2.11 0.00	44.45 -2.29 0.00	43.80 -2.85 0.00	33.90 -1.97 0.00	25.97 -1.98 0.00	21.78 -1.52 -0.56



HQ_GEN_CEDARS 23644	29.45 -0.12 0.00	26.21 -0.05 0.00	24.98 -0.15 0.00	25.06 0.00 0.00	25.40 0.03 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.43 0.00 0.00	32.53 -0.26 0.00	27.28 -0.19 0.00	24.04 -0.17 0.00	22.81 -0.21 0.00	22.64 -0.21 0.00	23.45 -0.21 0.00	23.31 -0.19 0.00	24.19 -0.20 0.00	27.95 -0.20 0.00	32.70 -0.07 0.00	39.94 0.12 0.00	46.46 -0.28 0.00	46.41 -0.23 0.00	35.73 -0.14 0.00	27.64 -0.31 0.00	22.42 -0.32 0.00
HQ_GEN_CEDARS_PROXY 323590	29.45 -0.12 0.00	26.21 -0.05 0.00	24.98 -0.15 0.00	25.06 0.00 0.00	25.40 0.03 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.47 0.04 0.00	32.53 -0.26 0.00	27.28 -0.19 0.00	24.04 -0.17 0.00	22.81 -0.21 0.00	22.64 -0.21 0.00	23.45 -0.21 0.00	23.30 -0.19 0.00	24.22 -0.17 0.00	27.95 -0.20 0.00	32.70 -0.07 0.00	39.94 0.12 0.00	46.46 -0.28 0.00	46.34 -0.23 0.07	35.80 -0.14 -0.07	27.64 -0.31 0.00	22.42 -0.32 0.00
HQ_GEN_IMPORT 323601	29.37 -0.21 0.00	26.11 -0.16 0.00	24.96 -0.17 0.00	24.94 -0.12 0.00	25.25 -0.13 0.00	28.07 -0.14 0.00	36.79 -0.18 0.00	38.28 -0.15 0.00	32.57 -0.23 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.85 -0.16 0.00	22.71 -0.14 0.00	23.50 -0.16 0.00	23.35 -0.14 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.64 -0.13 0.00	39.70 -0.12 0.00	46.50 -0.23 0.00	46.39 -0.19 0.07	35.73 -0.21 -0.07	27.72 -0.22 0.00	22.53 -0.21 0.00
HQ_GEN_WHEEL 23651	29.37 -0.21 0.00	26.11 -0.16 0.00	24.96 -0.17 0.00	24.94 -0.12 0.00	25.25 -0.13 0.00	28.07 -0.14 0.00	36.79 -0.18 0.00	38.28 -0.15 0.00	32.57 -0.23 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.85 -0.16 0.00	22.71 -0.14 0.00	23.50 -0.16 0.00	23.35 -0.14 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.64 -0.13 0.00	39.70 -0.12 0.00	46.50 -0.23 0.00	46.39 -0.19 0.07	35.73 -0.21 -0.07	27.72 -0.22 0.00	22.53 -0.21 0.00
HUDSON AVE_GT_3 23810	31.37 1.80 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.75 1.37 0.00	29.71 1.50 0.00	38.93 1.96 0.00	40.54 2.11 0.00	34.99 2.20 0.00	29.50 2.03 0.00	25.97 1.77 0.00	24.88 1.86 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.44 1.95 0.00	26.41 2.02 0.00	30.45 2.31 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	51.03 3.65 -0.65	51.12 3.82 -0.65	39.57 2.83 -0.86	31.25 2.26 -1.03	27.13 1.82 -2.57
HUDSON AVE_GT_4 23540	31.37 1.80 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.75 1.37 0.00	29.71 1.50 0.00	38.93 1.96 0.00	40.54 2.11 0.00	34.99 2.20 0.00	29.50 2.03 0.00	25.97 1.77 0.00	24.88 1.86 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.44 1.95 0.00	26.41 2.02 0.00	30.45 2.31 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	51.03 3.65 -0.65	51.12 3.82 -0.65	39.57 2.83 -0.86	31.25 2.26 -1.03	27.13 1.82 -2.57
HUDSON AVE_GT_5 23657	31.37 1.80 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.75 1.37 0.00	29.71 1.50 0.00	38.93 1.96 0.00	40.54 2.11 0.00	34.99 2.20 0.00	29.50 2.03 0.00	25.97 1.77 0.00	24.88 1.86 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.44 1.95 0.00	26.41 2.02 0.00	30.45 2.31 0.00	35.64 2.85 -0.03	43.53 3.19 -0.52	51.03 3.65 -0.65	51.12 3.82 -0.65	39.57 2.83 -0.86	31.25 2.26 -1.03	27.13 1.82 -2.57
HUDSON_AVE_10 24168	31.32 1.74 0.00	27.66 1.39 0.00	26.54 1.41 0.00	26.41 1.35 0.00	26.69 1.32 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.96 2.16 0.00	29.45 1.98 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.66 1.81 0.00	25.56 1.89 0.00	25.40 1.90 0.00	26.39 2.00 0.00	30.40 2.25 0.00	35.58 2.79 -0.03	43.45 3.11 -0.52	50.94 3.55 -0.65	51.07 3.78 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.09 1.77 -2.57
HUDSON___115KV_TB 4 355613	30.58 1.01 0.00	27.13 0.87 0.00	26.04 0.90 0.00	25.94 0.88 0.00	26.26 0.89 0.00	29.23 1.02 0.00	38.30 1.33 0.00	39.70 1.27 0.00	33.78 0.98 0.00	28.26 0.80 0.00	24.76 0.56 0.00	23.54 0.53 0.00	23.35 0.50 0.00	24.16 0.50 0.00	24.06 0.56 0.00	25.05 0.66 0.00	29.10 0.96 0.00	34.04 1.61 0.33	35.41 2.03 6.43	41.18 2.43 7.99	41.12 2.47 8.00	27.15 1.94 10.66	16.85 1.65 12.75	26.71 1.14 -2.83
HUNTER MOUNT___DRP 323613	30.64 1.06 0.00	27.18 0.92 0.00	26.09 0.96 0.00	25.99 0.93 0.00	26.31 0.94 0.00	29.32 1.10 0.00	38.45 1.48 0.00	39.77 1.34 0.00	33.78 0.98 0.00	28.21 0.74 0.00	24.69 0.48 0.00	23.45 0.44 0.00	23.24 0.39 0.00	24.07 0.40 0.00	23.96 0.47 0.00	24.95 0.56 0.00	29.02 0.87 0.00	34.12 1.61 0.25	37.09 2.11 4.84	43.34 2.62 6.02	43.23 2.61 6.02	29.86 2.01 8.02	20.06 1.70 9.60	26.62 1.07 -2.82
HUNTINGTON_RES_REC 323705	31.67 2.10 0.00	27.95 1.68 0.00	26.79 1.66 0.00	26.64 1.58 0.00	26.85 1.47 0.00	29.77 1.55 0.00	38.56 1.59 0.00	40.16 1.73 0.00	34.53 1.74 0.00	29.06 1.59 0.00	25.88 1.67 0.00	24.90 1.89 0.00	24.79 1.94 0.00	25.67 2.01 0.00	25.65 2.16 0.00	26.75 2.36 0.00	31.00 2.84 -0.01	36.26 3.24 -0.25	43.77 3.42 -0.53	51.41 4.02 -0.66	51.45 4.15 -0.66	40.12 3.37 -0.87	31.58 2.60 -1.03	27.23 1.91 -2.58
HUNTLEY___63 23557	28.33 -1.24 0.00	25.24 -1.02 0.00	23.63 -1.51 0.00	23.48 -1.58 0.00	23.78 -1.60 0.00	26.80 -1.41 0.00	34.79 -2.18 0.00	36.05 -2.38 0.00	31.32 -1.48 0.00	25.98 -1.48 0.00	23.04 -1.16 0.00	21.63 -1.38 0.00	21.41 -1.44 0.00	22.15 -1.51 0.00	21.71 -1.79 0.00	22.27 -2.12 0.00	25.36 -2.79 0.00	29.26 -3.51 0.00	35.48 -4.34 0.00	41.60 -5.14 0.00	41.14 -5.50 0.00	32.43 -3.44 0.00	25.24 -2.71 0.00	21.48 -1.68 -0.43
HUNTLEY___64 23558	28.33 -1.24 0.00	25.24 -1.02 0.00	23.63 -1.51 0.00	23.48 -1.58 0.00	23.78 -1.60 0.00	26.80 -1.41 0.00	34.79 -2.18 0.00	36.05 -2.38 0.00	31.32 -1.48 0.00	25.98 -1.48 0.00	23.04 -1.16 0.00	21.63 -1.38 0.00	21.41 -1.44 0.00	22.15 -1.51 0.00	21.71 -1.79 0.00	22.27 -2.12 0.00	25.36 -2.79 0.00	29.26 -3.51 0.00	35.48 -4.34 0.00	41.60 -5.14 0.00	41.14 -5.50 0.00	32.43 -3.44 0.00	25.24 -2.71 0.00	21.48 -1.68 -0.43
HUNTLEY___65 23559	28.33 -1.24 0.00	25.24 -1.02 0.00	23.63 -1.51 0.00	23.48 -1.58 0.00	23.78 -1.60 0.00	26.80 -1.41 0.00	34.79 -2.18 0.00	36.05 -2.38 0.00	31.32 -1.48 0.00	25.98 -1.48 0.00	23.04 -1.16 0.00	21.63 -1.38 0.00	21.41 -1.44 0.00	22.15 -1.51 0.00	21.71 -1.79 0.00	22.27 -2.12 0.00	25.36 -2.79 0.00	29.26 -3.51 0.00	35.48 -4.34 0.00	41.60 -5.14 0.00	41.14 -5.50 0.00	32.43 -3.44 0.00	25.24 -2.71 0.00	21.48 -1.68 -0.43
HUNTLEY___66 23560	28.33 -1.24 0.00	25.24 -1.02 0.00	23.63 -1.51 0.00	23.48 -1.58 0.00	23.78 -1.60 0.00	26.80 -1.41 0.00	34.79 -2.18 0.00	36.05 -2.38 0.00	31.32 -1.48 0.00	25.98 -1.48 0.00	23.04 -1.16 0.00	21.63 -1.38 0.00	21.41 -1.44 0.00	22.15 -1.51 0.00	21.71 -1.79 0.00	22.27 -2.12 0.00	25.36 -2.79 0.00	29.26 -3.51 0.00	35.48 -4.34 0.00	41.60 -5.14 0.00	41.14 -5.50 0.00	32.43 -3.44 0.00	25.24 -2.71 0.00	21.48 -1.68 -0.43



HUNTLEY___67 23561	28.24 -1.33 0.00	25.16 -1.10 0.00	23.57 -1.56 0.00	23.41 -1.65 0.00	23.73 -1.65 0.00	26.72 -1.50 0.00	34.64 -2.33 0.00	35.89 -2.54 0.00	31.19 -1.61 0.00	25.93 -1.54 0.00	23.00 -1.21 0.00	21.61 -1.40 0.00	21.36 -1.49 0.00	22.10 -1.56 0.00	21.66 -1.83 0.00	22.24 -2.15 0.00	25.36 -2.79 0.00	29.19 -3.57 0.00	35.40 -4.42 0.00	41.46 -5.28 0.00	41.05 -5.60 0.00	32.32 -3.55 0.00	25.18 -2.77 0.00	21.42 -1.75 -0.43
HUNTLEY___68 23562	28.24 -1.33 0.00	25.16 -1.10 0.00	23.57 -1.56 0.00	23.41 -1.65 0.00	23.73 -1.65 0.00	26.72 -1.50 0.00	34.64 -2.33 0.00	35.89 -2.54 0.00	31.19 -1.61 0.00	25.93 -1.54 0.00	23.00 -1.21 0.00	21.61 -1.40 0.00	21.36 -1.49 0.00	22.10 -1.56 0.00	21.66 -1.83 0.00	22.24 -2.15 0.00	25.36 -2.79 0.00	29.19 -3.57 0.00	35.40 -4.42 0.00	41.46 -5.28 0.00	41.05 -5.60 0.00	32.32 -3.55 0.00	25.18 -2.77 0.00	21.42 -1.75 -0.43
HYLAND___LFGE 323620	29.93 0.36 0.00	26.79 0.53 0.00	25.28 0.15 0.00	25.16 0.10 0.00	25.53 0.15 0.00	28.81 0.59 0.00	37.49 0.52 0.00	38.20 -0.23 0.00	32.86 0.07 0.00	26.86 -0.60 0.00	23.43 -0.78 0.00	22.02 -0.99 0.00	21.62 -1.23 0.00	22.46 -1.21 0.00	22.13 -1.36 0.00	22.85 -1.54 0.00	26.32 -1.83 0.00	31.00 -1.77 0.00	38.35 -1.47 0.00	45.90 -0.84 0.00	45.71 -0.93 0.00	35.41 -0.47 0.00	27.25 -0.70 0.00	22.51 -0.71 -0.47
INDECK___CORINTH 23802	31.17 1.60 0.00	27.66 1.39 0.00	26.46 1.33 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.79 1.58 0.00	39.15 2.18 0.00	40.70 2.27 0.00	34.50 1.70 0.00	28.76 1.29 0.00	25.20 0.99 0.00	23.80 0.78 0.00	23.63 0.78 0.00	24.44 0.78 0.00	24.34 0.84 0.00	25.41 1.02 0.00	29.58 1.43 0.00	34.17 1.08 -0.32	47.43 1.35 -6.26	56.33 1.82 -7.77	56.39 1.96 -7.78	47.57 1.33 -10.37	41.39 1.03 -12.40	27.00 0.86 -3.40
INDECK___ILION 23567	29.36 -0.21 0.00	26.08 -0.18 0.00	25.01 -0.13 0.00	24.96 -0.10 0.00	25.32 -0.05 0.00	28.16 -0.06 0.00	36.93 -0.04 0.00	38.39 -0.04 0.00	32.73 -0.07 0.00	27.41 -0.05 0.00	24.13 -0.07 0.00	22.94 -0.07 0.00	22.76 -0.09 0.00	23.59 -0.07 0.00	23.40 -0.09 0.00	24.31 -0.07 0.00	28.09 -0.06 0.00	32.73 -0.03 0.00	39.86 0.04 0.00	46.88 0.14 0.00	46.74 0.09 0.00	35.91 0.04 0.00	28.01 0.06 0.00	22.74 0.00 0.00
INDECK___OLEAN 23982	28.83 -0.74 0.00	25.69 -0.58 0.00	24.18 -0.96 0.00	24.01 -1.05 0.00	24.33 -1.04 0.00	27.23 -0.99 0.00	35.49 -1.48 0.00	36.01 -2.42 0.00	31.78 -1.02 0.00	26.26 -1.21 0.00	23.14 -1.06 0.00	21.82 -1.20 0.00	21.52 -1.33 0.00	22.34 -1.32 0.00	21.94 -1.55 0.00	22.53 -1.85 0.00	25.72 -2.42 0.00	29.59 -3.18 0.00	36.07 -3.74 0.00	42.30 -4.44 0.00	41.84 -4.80 0.00	32.83 -3.05 0.00	25.49 -2.46 0.00	20.94 -2.30 -0.50
INDECK___OSWEGO 23783	28.89 -0.68 0.00	25.66 -0.60 0.00	24.53 -0.60 0.00	24.46 -0.60 0.00	24.77 -0.61 0.00	27.59 -0.62 0.00	36.16 -0.81 0.00	37.55 -0.88 0.00	32.01 -0.79 0.00	26.75 -0.71 0.00	23.63 -0.58 0.00	22.44 -0.57 0.00	22.28 -0.57 0.00	23.07 -0.59 0.00	22.88 -0.61 0.00	23.73 -0.66 0.00	27.33 -0.82 0.00	31.65 -1.11 0.00	38.51 -1.31 0.00	45.34 -1.40 0.00	45.20 -1.45 0.00	34.76 -1.11 0.00	27.08 -0.87 0.00	22.32 -0.64 -0.22
INDECK___YERKES 23781	28.36 -1.21 0.00	25.27 -1.00 0.00	23.65 -1.48 0.00	23.48 -1.58 0.00	23.80 -1.57 0.00	26.83 -1.38 0.00	34.82 -2.15 0.00	35.51 -2.92 0.00	31.38 -1.41 0.00	26.01 -1.46 0.00	22.95 -1.26 0.00	21.66 -1.36 0.00	21.27 -1.58 0.00	22.17 -1.49 0.00	21.73 -1.76 0.00	22.27 -2.12 0.00	25.30 -2.84 0.00	29.33 -3.44 0.00	35.52 -4.30 0.00	41.64 -5.09 0.00	41.19 -5.46 0.00	32.47 -3.41 0.00	25.27 -2.68 0.00	20.85 -2.32 -0.43
INDIAN POINT_GT_1 24139	31.11 1.54 0.00	27.50 1.23 0.00	26.39 1.26 0.00	26.26 1.20 0.00	26.54 1.17 0.00	29.46 1.24 0.00	38.60 1.63 0.00	40.16 1.73 0.00	34.56 1.77 0.00	29.09 1.62 0.00	25.61 1.40 0.00	24.49 1.47 0.00	24.31 1.46 0.00	25.18 1.51 0.00	25.04 1.55 0.00	26.02 1.63 0.00	30.06 1.91 0.00	35.15 2.36 -0.03	43.04 2.71 -0.51	50.50 3.13 -0.63	50.55 3.27 -0.63	39.16 2.44 -0.85	30.94 1.98 -1.01	26.86 1.57 -2.55
INDIAN POINT_GT_2 23659	31.11 1.54 0.00	27.50 1.23 0.00	26.39 1.26 0.00	26.26 1.20 0.00	26.54 1.17 0.00	29.46 1.24 0.00	38.60 1.63 0.00	40.16 1.73 0.00	34.56 1.77 0.00	29.09 1.62 0.00	25.61 1.40 0.00	24.49 1.47 0.00	24.31 1.46 0.00	25.18 1.51 0.00	25.04 1.55 0.00	26.02 1.63 0.00	30.06 1.91 0.00	35.15 2.36 -0.03	43.04 2.71 -0.51	50.50 3.13 -0.63	50.55 3.27 -0.63	39.16 2.44 -0.85	30.94 1.98 -1.01	26.86 1.57 -2.55
INDIAN POINT_GT_3 24019	31.11 1.54 0.00	27.50 1.23 0.00	26.39 1.26 0.00	26.26 1.20 0.00	26.54 1.17 0.00	29.46 1.24 0.00	38.60 1.63 0.00	40.16 1.73 0.00	34.56 1.77 0.00	29.09 1.62 0.00	25.61 1.40 0.00	24.49 1.47 0.00	24.31 1.46 0.00	25.18 1.51 0.00	25.04 1.55 0.00	26.02 1.63 0.00	30.06 1.91 0.00	35.15 2.36 -0.03	43.04 2.71 -0.51	50.50 3.13 -0.63	50.55 3.27 -0.63	39.16 2.44 -0.85	30.94 1.98 -1.01	26.86 1.57 -2.55
INDIAN POINT___2 23530	31.08 1.51 0.00	27.47 1.21 0.00	26.36 1.23 0.00	26.24 1.18 0.00	26.52 1.14 0.00	29.43 1.21 0.00	38.56 1.59 0.00	40.20 1.77 0.00	34.53 1.74 0.00	29.06 1.59 0.00	25.61 1.40 0.00	24.46 1.45 0.00	24.31 1.46 0.00	25.18 1.52 0.00	25.04 1.55 0.00	26.07 1.68 0.00	30.12 1.97 0.00	35.12 2.33 -0.03	42.98 2.67 -0.49	50.38 3.04 -0.61	50.43 3.17 -0.61	39.09 2.40 -0.81	30.85 1.93 -0.97	26.82 1.57 -2.51
INDIAN POINT___3 23531	31.05 1.48 0.00	27.47 1.21 0.00	26.36 1.23 0.00	26.24 1.18 0.00	26.52 1.14 0.00	29.43 1.21 0.00	38.56 1.59 0.00	40.12 1.69 0.00	34.53 1.74 0.00	29.03 1.57 0.00	25.56 1.36 0.00	24.44 1.43 0.00	24.29 1.44 0.00	25.15 1.49 0.00	25.02 1.53 0.00	25.97 1.59 0.00	30.00 1.86 0.00	35.09 2.29 -0.03	42.95 2.63 -0.50	50.35 2.99 -0.62	50.40 3.13 -0.63	39.08 2.37 -0.83	30.87 1.93 -1.00	26.79 1.52 -2.53
INGHAM_C_115KV_TB7 356103	28.83 -0.74 0.00	25.63 -0.63 0.00	24.61 -0.53 0.00	24.58 -0.48 0.00	24.99 -0.38 0.00	27.79 -0.42 0.00	36.42 -0.55 0.00	37.89 -0.54 0.00	32.30 -0.49 0.00	27.03 -0.44 0.00	23.79 -0.41 0.00	22.65 -0.37 0.00	22.44 -0.41 0.00	23.26 -0.40 0.00	23.07 -0.42 0.00	23.97 -0.41 0.00	27.72 -0.42 0.00	32.34 -0.43 0.00	39.38 -0.44 0.00	46.36 -0.37 0.00	46.23 -0.42 0.00	35.48 -0.39 0.00	27.70 -0.25 0.00	22.47 -0.27 0.00
IP CORINTH___1 23988	31.17 1.60 0.00	27.66 1.39 0.00	26.47 1.33 0.00	26.39 1.33 0.00	26.72 1.34 0.00	29.82 1.61 0.00	39.15 2.18 0.00	40.70 2.27 0.00	34.50 1.71 0.00	28.76 1.29 0.00	25.20 0.99 0.00	23.80 0.78 0.00	23.63 0.78 0.00	24.45 0.78 0.00	24.34 0.85 0.00	25.36 0.98 0.00	29.50 1.35 0.00	34.33 1.25 -0.32	47.63 1.55 -6.26	56.61 2.10 -7.77	56.62 2.19 -7.78	47.79 1.54 -10.37	41.55 1.20 -12.40	27.09 0.96 -3.40



IP___TICONDEROGA 23804	32.14 2.57 0.00	28.50 2.23 0.00	27.24 2.11 0.00	27.22 2.16 0.00	27.56 2.18 0.00	30.84 2.62 0.00	40.56 3.59 0.00	42.12 3.69 0.00	35.52 2.72 0.00	29.47 2.01 0.00	25.76 1.55 0.00	24.16 1.15 0.00	23.97 1.12 0.00	24.80 1.14 0.00	24.74 1.25 0.00	25.85 1.46 0.00	30.17 2.03 0.00	35.35 2.26 -0.32	49.23 3.07 -6.34	58.73 4.11 -7.88	58.83 4.29 -7.89	49.36 2.98 -10.51	42.75 2.24 -12.57	27.91 1.77 -3.40
ISLIP_RES_REC 323679	31.94 2.37 0.00	28.16 1.89 0.00	26.99 1.86 0.00	26.87 1.81 0.00	27.05 1.67 0.00	29.94 1.72 0.00	38.59 1.62 0.00	40.31 1.88 0.00	34.53 1.74 0.00	29.12 1.65 0.00	25.97 1.77 0.00	25.04 2.03 0.00	24.98 2.13 0.00	25.82 2.15 0.00	25.87 2.37 0.00	26.95 2.56 0.00	31.25 3.10 -0.01	36.46 3.44 -0.26	44.21 3.86 -0.53	51.98 4.58 -0.66	52.06 4.76 -0.66	40.62 3.88 -0.87	31.80 2.82 -1.03	27.38 2.07 -2.58
JAMAICA__27_KV_LOAD 355505	31.35 1.77 0.00	27.66 1.39 0.00	26.54 1.41 0.00	26.41 1.35 0.00	26.69 1.32 0.00	29.71 1.50 0.00	38.97 2.00 0.00	40.66 2.23 0.00	35.15 2.36 0.00	29.64 2.17 0.00	26.05 1.84 0.00	24.95 1.93 0.00	24.77 1.92 0.00	25.70 2.04 0.00	25.54 2.04 0.00	26.51 2.12 0.00	30.54 2.39 0.00	35.71 2.92 -0.03	43.65 3.30 -0.52	51.17 3.79 -0.65	51.31 4.01 -0.65	39.57 2.83 -0.86	31.33 2.35 -1.03	27.13 1.82 -2.57
JANIS___SOLAR 323808	30.55 0.97 0.00	27.24 0.97 0.00	25.96 0.83 0.00	25.91 0.85 0.00	26.31 0.94 0.00	29.46 1.24 0.00	38.74 1.77 0.00	39.97 1.54 0.00	33.84 1.05 0.00	27.85 0.38 0.00	24.38 0.17 0.00	23.04 0.02 0.00	22.71 -0.14 0.00	23.57 -0.09 0.00	23.33 -0.16 0.00	24.29 -0.10 0.00	28.20 0.06 0.00	33.09 0.33 0.00	40.89 1.08 0.00	48.61 1.87 0.00	48.28 1.63 0.00	37.06 1.18 0.00	28.62 0.67 0.00	23.90 0.45 -0.70
JARVIS____ 23743	29.66 0.09 0.00	26.34 0.08 0.00	25.23 0.10 0.00	25.16 0.10 0.00	25.48 0.10 0.00	28.33 0.11 0.00	37.12 0.15 0.00	38.62 0.19 0.00	32.93 0.13 0.00	27.55 0.08 0.00	24.28 0.07 0.00	23.08 0.07 0.00	22.92 0.07 0.00	23.74 0.07 0.00	23.56 0.07 0.00	24.48 0.10 0.00	28.26 0.11 0.00	32.93 0.16 0.00	40.06 0.24 0.00	47.02 0.28 0.00	46.93 0.28 0.00	36.06 0.18 0.00	28.12 0.17 0.00	22.85 0.11 0.00
JENNISON___1 23625	30.64 1.06 0.00	27.29 1.02 0.00	26.06 0.93 0.00	26.01 0.95 0.00	26.47 1.09 0.00	29.54 1.33 0.00	38.86 1.89 0.00	40.20 1.77 0.00	34.17 1.38 0.00	28.24 0.77 0.00	24.81 0.61 0.00	23.50 0.48 0.00	23.19 0.34 0.00	24.09 0.43 0.00	23.82 0.33 0.00	24.78 0.39 0.00	28.65 0.51 0.00	33.52 0.75 0.00	41.29 1.47 0.00	48.89 2.15 0.00	48.56 1.91 0.00	37.20 1.33 0.00	28.82 0.87 0.00	24.27 0.64 -0.90
JENNISON___2 23626	30.64 1.06 0.00	27.29 1.02 0.00	26.06 0.93 0.00	26.01 0.95 0.00	26.47 1.09 0.00	29.54 1.33 0.00	38.86 1.89 0.00	40.20 1.77 0.00	34.17 1.38 0.00	28.24 0.77 0.00	24.81 0.61 0.00	23.50 0.48 0.00	23.19 0.34 0.00	24.09 0.43 0.00	23.82 0.33 0.00	24.78 0.39 0.00	28.65 0.51 0.00	33.52 0.75 0.00	41.29 1.47 0.00	48.89 2.15 0.00	48.56 1.91 0.00	37.20 1.33 0.00	28.82 0.87 0.00	24.27 0.64 -0.90
JERICOHO_RISE_WT_PWR 323719	29.25 -0.32 0.00	26.05 -0.21 0.00	24.86 -0.28 0.00	24.96 -0.10 0.00	25.32 -0.05 0.00	28.10 -0.11 0.00	36.93 -0.04 0.00	38.51 0.08 0.00	32.63 -0.16 0.00	27.44 -0.03 0.00	24.18 -0.02 0.00	22.90 -0.11 0.00	22.74 -0.11 0.00	23.47 -0.19 0.00	23.33 -0.16 0.00	24.27 -0.12 0.00	28.03 -0.11 0.00	32.83 0.07 0.00	40.10 0.28 0.00	46.92 0.19 0.00	46.88 0.23 0.00	35.80 -0.07 0.00	27.59 -0.36 0.00	22.31 -0.43 0.00
KATONAH___115KV_46KV_TB4 355592	31.23 1.66 0.00	27.60 1.34 0.00	26.52 1.38 0.00	26.36 1.30 0.00	26.67 1.29 0.00	29.60 1.38 0.00	38.82 1.85 0.00	40.43 2.00 0.00	34.73 1.93 0.00	29.14 1.68 0.00	25.66 1.45 0.00	24.51 1.50 0.00	24.38 1.53 0.00	25.23 1.56 0.00	25.11 1.62 0.00	26.09 1.71 0.00	30.14 2.00 0.00	35.35 2.56 -0.03	43.33 2.99 -0.53	50.80 3.41 -0.65	50.80 3.50 -0.65	39.37 2.62 -0.87	31.09 2.10 -1.04	27.01 1.66 -2.61
KCE_NY_1 323755	31.08 1.51 0.00	27.58 1.31 0.00	26.41 1.28 0.00	26.34 1.28 0.00	26.64 1.27 0.00	29.68 1.47 0.00	38.96 1.99 0.00	40.46 2.04 0.00	34.37 1.57 0.00	28.73 1.26 0.00	25.18 0.97 0.00	23.84 0.83 0.00	23.70 0.85 0.00	24.51 0.85 0.00	24.39 0.89 0.00	25.46 1.07 0.00	29.58 1.43 0.00	34.83 1.74 -0.33	48.43 2.15 -6.46	57.43 2.66 -8.03	57.43 2.75 -8.04	48.63 2.04 -10.71	42.40 1.65 -12.81	27.46 1.32 -3.40
KCE_NY_6_ESR 323823	28.57 -1.01 0.00	25.45 -0.81 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.00 -1.37 0.00	27.03 -1.18 0.00	35.12 -1.85 0.00	35.78 -2.65 0.00	31.55 -1.25 0.00	26.18 -1.29 0.00	23.07 -1.14 0.00	21.77 -1.24 0.00	21.41 -1.44 0.00	22.29 -1.37 0.00	21.85 -1.65 0.00	22.41 -1.97 0.00	25.50 -2.65 0.00	29.52 -3.24 0.00	35.84 -3.98 0.00	41.97 -4.77 0.00	41.51 -5.13 0.00	32.65 -3.23 0.00	25.38 -2.57 0.00	20.89 -2.30 -0.45
KEDC_PORT_JEFF_GT2 24210	31.85 2.28 0.00	28.10 1.84 0.00	26.94 1.81 0.00	26.81 1.75 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.06 1.59 0.00	25.93 1.72 0.00	24.97 1.96 0.00	24.91 2.06 0.00	25.75 2.08 0.00	25.80 2.30 0.00	26.88 2.49 0.00	31.17 3.01 -0.01	36.31 3.31 -0.24	44.01 3.66 -0.53	51.74 4.35 -0.66	51.78 4.48 -0.66	40.44 3.70 -0.87	31.69 2.71 -1.03	27.32 2.00 -2.58
KEDC_PORT_JEFF_GT3 24211	31.85 2.28 0.00	28.10 1.84 0.00	26.94 1.81 0.00	26.81 1.75 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.06 1.59 0.00	25.93 1.72 0.00	24.97 1.96 0.00	24.91 2.06 0.00	25.75 2.08 0.00	25.80 2.30 0.00	26.88 2.49 0.00	31.17 3.01 -0.01	36.31 3.31 -0.24	44.01 3.66 -0.53	51.74 4.35 -0.66	51.78 4.48 -0.66	40.44 3.70 -0.87	31.69 2.71 -1.03	27.32 2.00 -2.58
KEDC_GLWD_GT4 24219	31.52 1.95 0.00	27.84 1.58 0.00	26.72 1.58 0.00	26.56 1.50 0.00	26.82 1.45 0.00	29.79 1.58 0.00	38.89 1.92 0.00	40.54 2.11 0.00	34.86 2.07 0.00	29.34 1.87 0.00	25.97 1.77 0.00	24.88 1.86 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.51 2.02 0.00	26.58 2.20 0.00	30.72 2.56 -0.02	36.87 3.01 -1.09	43.78 3.42 -0.54	51.18 3.78 -0.66	51.23 3.92 -0.66	39.84 3.09 -0.88	31.41 2.43 -1.03	27.18 1.87 -2.58
KEDC_GLWD_GT5 24220	31.52 1.95 0.00	27.84 1.58 0.00	26.72 1.58 0.00	26.56 1.50 0.00	26.82 1.45 0.00	29.79 1.58 0.00	38.89 1.92 0.00	40.54 2.11 0.00	34.86 2.07 0.00	29.34 1.87 0.00	25.97 1.77 0.00	24.88 1.86 0.00	24.72 1.87 0.00	25.60 1.94 0.00	25.51 2.02 0.00	26.58 2.20 0.00	30.72 2.56 -0.02	36.87 3.01 -1.09	43.78 3.42 -0.54	51.18 3.78 -0.66	51.23 3.92 -0.66	39.84 3.09 -0.88	31.41 2.43 -1.03	27.18 1.87 -2.58



KENSICO____ 23655	31.17 1.60 0.00	27.55 1.29 0.00	26.47 1.33 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.54 1.33 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.70 1.90 0.00	29.17 1.70 0.00	25.71 1.50 0.00	24.58 1.56 0.00	24.40 1.55 0.00	25.30 1.63 0.00	25.16 1.67 0.00	26.12 1.73 0.00	30.14 2.00 0.00	35.32 2.52 -0.03	43.21 2.87 -0.52	50.65 3.27 -0.65	50.70 3.41 -0.65	39.28 2.55 -0.86	31.05 2.07 -1.03	26.95 1.64 -2.57
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	30.99 1.42 0.00	27.42 1.16 0.00	26.31 1.18 0.00	26.19 1.13 0.00	26.52 1.14 0.00	29.43 1.21 0.00	38.63 1.66 0.00	40.16 1.73 0.00	34.37 1.57 0.00	28.79 1.32 0.00	25.34 1.14 0.00	24.16 1.15 0.00	23.99 1.14 0.00	24.87 1.21 0.00	24.72 1.22 0.00	25.66 1.27 0.00	29.72 1.58 0.00	34.80 2.03 0.00	42.29 2.47 0.00	49.73 2.99 0.00	49.68 3.03 0.00	38.06 2.19 0.00	29.71 1.76 0.00	26.60 1.41 -2.45
KIAC_JFK_GT1 23816	31.20 1.63 0.00	27.53 1.26 0.00	26.44 1.31 0.00	26.29 1.23 0.00	26.59 1.22 0.00	29.57 1.35 0.00	38.63 1.66 0.00	40.31 1.88 0.00	34.99 2.20 0.00	29.47 2.01 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.66 1.81 0.00	25.56 1.89 0.00	25.42 1.93 0.00	26.39 2.00 0.00	30.40 2.25 0.00	35.41 2.62 -0.03	43.25 2.91 -0.52	50.75 3.37 -0.65	50.84 3.55 -0.65	39.25 2.51 -0.86	31.19 2.21 -1.03	27.02 1.71 -2.57
KIAC_JFK_GT2 23817	31.20 1.63 0.00	27.53 1.26 0.00	26.44 1.31 0.00	26.29 1.23 0.00	26.59 1.22 0.00	29.57 1.35 0.00	38.63 1.66 0.00	40.31 1.88 0.00	34.99 2.20 0.00	29.47 2.01 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.66 1.81 0.00	25.56 1.89 0.00	25.42 1.93 0.00	26.39 2.00 0.00	30.40 2.25 0.00	35.41 2.62 -0.03	43.25 2.91 -0.52	50.75 3.37 -0.65	50.84 3.55 -0.65	39.25 2.51 -0.86	31.19 2.21 -1.03	27.02 1.71 -2.57
KIAC_JFK____ 323774	31.20 1.63 0.00	27.53 1.26 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.59 1.22 0.00	29.60 1.38 0.00	38.63 1.67 0.00	40.39 1.96 0.00	34.99 2.20 0.00	29.47 2.00 0.00	25.95 1.74 0.00	24.83 1.82 0.00	24.68 1.83 0.00	25.56 1.89 0.00	25.42 1.93 0.00	26.46 2.07 0.00	30.48 2.33 0.00	35.45 2.65 -0.03	43.25 2.91 -0.52	50.75 3.37 -0.65	50.84 3.54 -0.65	39.25 2.51 -0.86	31.19 2.21 -1.03	27.07 1.75 -2.57
KINTIGH____ 23543	28.33 -1.24 0.00	25.24 -1.02 0.00	23.73 -1.41 0.00	23.56 -1.50 0.00	23.88 -1.50 0.00	26.86 -1.35 0.00	34.83 -2.14 0.00	36.12 -2.31 0.00	31.38 -1.41 0.00	26.12 -1.35 0.00	23.14 -1.07 0.00	21.79 -1.22 0.00	21.50 -1.35 0.00	22.27 -1.40 0.00	21.83 -1.67 0.00	22.46 -1.93 0.00	25.67 -2.48 0.00	29.59 -3.18 0.00	35.88 -3.94 0.00	42.06 -4.67 0.00	41.70 -4.94 0.00	32.75 -3.12 0.00	25.55 -2.40 0.00	21.71 -1.41 -0.38
KNTFSRNC_46_KV_46KV_LOAD 80397	29.63 0.06 0.00	26.40 0.13 0.00	25.13 0.00 0.00	25.26 0.20 0.00	25.63 0.25 0.00	28.47 0.25 0.00	37.49 0.52 0.00	39.04 0.61 0.00	33.06 0.26 0.00	28.04 0.58 0.00	24.74 0.53 0.00	23.17 0.16 0.00	22.99 0.14 0.00	23.74 0.07 0.00	23.59 0.09 0.00	24.51 0.12 0.00	28.37 0.23 0.00	33.26 0.49 0.00	40.69 0.88 0.00	47.67 0.93 0.00	47.62 0.98 0.00	36.31 0.43 0.00	27.92 -0.03 0.00	22.56 -0.18 0.00
LACHUTE____HYDRO 323717	32.14 2.57 0.00	28.50 2.23 0.00	27.24 2.11 0.00	27.22 2.16 0.00	27.56 2.18 0.00	30.84 2.62 0.00	40.55 3.59 0.00	42.12 3.69 0.00	35.51 2.72 0.00	29.47 2.00 0.00	25.73 1.53 0.00	24.16 1.15 0.00	23.99 1.14 0.00	24.80 1.14 0.00	24.74 1.24 0.00	25.87 1.49 0.00	30.26 2.11 0.00	35.38 2.29 -0.32	49.23 3.07 -6.34	58.73 4.11 -7.88	58.82 4.29 -7.89	49.36 2.98 -10.51	42.76 2.24 -12.57	27.91 1.77 -3.40
LAWRNCV_115KV_TB1 80681	28.98 -0.59 0.00	25.79 -0.47 0.00	24.61 -0.53 0.00	24.71 -0.35 0.00	25.07 -0.30 0.00	27.85 -0.37 0.00	36.38 -0.59 0.00	37.85 -0.58 0.00	31.94 -0.85 0.00	26.73 -0.74 0.00	23.53 -0.68 0.00	22.32 -0.69 0.00	22.16 -0.69 0.00	22.95 -0.71 0.00	22.79 -0.70 0.00	23.70 -0.68 0.00	27.41 -0.73 0.00	32.11 -0.66 0.00	39.30 -0.52 0.00	45.85 -0.89 0.00	45.76 -0.89 0.00	35.12 -0.75 0.00	27.11 -0.84 0.00	21.97 -0.77 0.00
LEDERLE____ 23769	31.17 1.60 0.00	27.55 1.29 0.00	26.44 1.31 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.51 1.30 0.00	38.71 1.74 0.00	40.27 1.84 0.00	34.66 1.87 0.00	29.14 1.68 0.00	25.66 1.45 0.00	24.51 1.50 0.00	24.36 1.51 0.00	25.23 1.56 0.00	25.09 1.60 0.00	26.05 1.66 0.00	30.12 1.97 0.00	35.22 2.42 -0.02	43.12 2.83 -0.47	50.60 3.27 -0.59	50.59 3.36 -0.59	39.17 2.51 -0.79	30.96 2.07 -0.94	26.85 1.64 -2.47
LIGHTHSE_115KV_TB6 355974	29.07 -0.50 0.00	25.85 -0.42 0.00	24.68 -0.45 0.00	24.66 -0.40 0.00	25.02 -0.36 0.00	27.90 -0.31 0.00	36.67 -0.30 0.00	38.08 -0.35 0.00	32.30 -0.49 0.00	26.86 -0.60 0.00	23.70 -0.51 0.00	22.48 -0.53 0.00	22.30 -0.55 0.00	23.12 -0.54 0.00	22.93 -0.56 0.00	23.85 -0.54 0.00	27.53 -0.62 0.00	31.91 -0.85 0.00	39.06 -0.76 0.00	46.18 -0.56 0.00	45.99 -0.65 0.00	35.23 -0.65 0.00	27.36 -0.59 0.00	22.44 -0.50 -0.21
LINDEN COGEN____ 23786	31.23 1.65 0.00	27.58 1.31 0.00	26.46 1.33 0.00	26.34 1.28 0.00	26.64 1.27 0.00	29.57 1.35 0.00	38.74 1.77 0.00	40.43 2.00 0.00	34.83 2.03 0.00	29.36 1.89 0.00	25.88 1.67 0.00	24.79 1.77 0.00	24.61 1.76 0.00	25.46 1.80 0.00	25.33 1.83 0.00	26.36 1.97 0.00	30.42 2.28 0.00	35.51 2.72 -0.03	43.33 2.99 -0.52	50.75 3.37 -0.65	50.89 3.59 -0.65	39.39 2.65 -0.86	31.11 2.12 -1.03	27.07 1.75 -2.57
LINDHRST_69_KV_BK1 356055	31.82 2.25 0.00	28.13 1.86 0.00	26.92 1.78 0.00	26.76 1.70 0.00	27.02 1.65 0.00	29.82 1.61 0.00	38.93 1.96 0.00	40.43 2.00 0.00	34.86 2.07 0.00	29.31 1.84 0.00	25.90 1.69 0.00	25.06 2.05 0.00	24.93 2.08 0.00	25.82 2.15 0.00	25.80 2.30 0.00	26.85 2.46 0.00	31.05 2.90 -0.01	36.70 3.41 -0.52	44.25 3.90 -0.53	51.97 4.58 -0.66	52.02 4.71 -0.66	40.41 3.66 -0.87	31.81 2.82 -1.03	27.38 2.07 -2.58
LIPA_MISC_IPP 23656	31.61 2.04 0.00	28.00 1.73 0.00	26.79 1.66 0.00	26.66 1.60 0.00	26.87 1.50 0.00	29.32 1.10 0.00	38.08 1.11 0.00	39.58 1.15 0.00	34.04 1.25 0.00	28.79 1.32 0.00	25.42 1.21 0.00	24.83 1.82 0.00	24.82 1.97 0.00	25.63 1.96 0.00	25.70 2.21 0.00	26.70 2.32 0.00	30.94 2.79 -0.01	35.91 2.92 -0.23	43.61 3.27 -0.53	51.27 3.88 -0.66	51.31 4.01 -0.66	40.23 3.48 -0.87	31.50 2.52 -1.03	27.16 1.84 -2.58
LISF____SOLAR 323691	31.79 2.22 0.00	28.03 1.76 0.00	26.87 1.73 0.00	26.76 1.70 0.00	26.90 1.52 0.00	29.68 1.47 0.00	38.12 1.15 0.00	39.81 1.38 0.00	34.07 1.28 0.00	28.79 1.32 0.00	25.73 1.53 0.00	24.83 1.82 0.00	24.84 1.99 0.00	25.63 1.96 0.00	25.70 2.21 0.00	26.75 2.36 0.00	31.05 2.90 -0.01	35.98 2.98 -0.23	43.65 3.30 -0.53	51.32 3.93 -0.66	51.45 4.15 -0.66	40.30 3.55 -0.87	31.53 2.54 -1.03	27.20 1.89 -2.58



LITTLE FALLS___HYD 24013	28.83 -0.74 0.00	25.63 -0.63 0.00	24.61 -0.53 0.00	24.58 -0.48 0.00	24.99 -0.38 0.00	27.79 -0.42 0.00	36.42 -0.55 0.00	37.89 -0.54 0.00	32.30 -0.49 0.00	27.03 -0.44 0.00	23.79 -0.41 0.00	22.65 -0.37 0.00	22.44 -0.41 0.00	23.26 -0.40 0.00	23.07 -0.42 0.00	23.97 -0.41 0.00	27.72 -0.42 0.00	32.34 -0.43 0.00	39.38 -0.44 0.00	46.36 -0.37 0.00	46.23 -0.42 0.00	35.48 -0.39 0.00	27.70 -0.25 0.00	22.47 -0.27 0.00
LITTLRIV_115KV_TB1 356100	29.28 -0.30 0.00	26.06 -0.21 0.00	24.86 -0.28 0.00	24.96 -0.10 0.00	25.38 0.00 0.00	28.19 -0.03 0.00	36.86 -0.11 0.00	38.27 -0.15 0.00	32.17 -0.62 0.00	26.86 -0.60 0.00	23.63 -0.58 0.00	22.37 -0.64 0.00	22.21 -0.64 0.00	23.03 -0.64 0.00	22.88 -0.61 0.00	23.80 -0.59 0.00	27.53 -0.62 0.00	32.31 -0.46 0.00	39.74 -0.08 0.00	46.50 -0.23 0.00	46.37 -0.28 0.00	35.52 -0.36 0.00	27.39 -0.56 0.00	22.21 -0.57 -0.04
LI_NEWBRDGE___DRP 323616	31.46 1.89 0.00	27.81 1.55 0.00	26.67 1.53 0.00	26.51 1.45 0.00	26.77 1.40 0.00	29.57 1.35 0.00	38.60 1.63 0.00	40.08 1.65 0.00	34.60 1.80 0.00	29.12 1.65 0.00	25.73 1.52 0.00	24.83 1.82 0.00	24.70 1.85 0.00	25.58 1.92 0.00	25.51 2.02 0.00	26.56 2.17 0.00	30.69 2.53 -0.01	35.79 2.95 -0.08	43.65 3.30 -0.53	51.27 3.88 -0.66	51.31 4.01 -0.66	39.83 3.09 -0.87	31.47 2.49 -1.03	27.13 1.82 -2.58
LOCKPORT_115KV_TB60_63_64 80432	28.06 -1.51 0.00	25.03 -1.23 0.00	23.42 -1.71 0.00	23.26 -1.80 0.00	23.57 -1.80 0.00	26.58 -1.64 0.00	34.42 -2.55 0.00	35.74 -2.69 0.00	31.02 -1.77 0.00	25.79 -1.68 0.00	22.85 -1.36 0.00	21.47 -1.54 0.00	21.20 -1.65 0.00	21.94 -1.73 0.00	21.50 -2.00 0.00	22.07 -2.32 0.00	25.16 -2.98 0.00	29.03 -3.74 0.00	35.20 -4.62 0.00	41.27 -5.47 0.00	40.86 -5.78 0.00	32.18 -3.70 0.00	25.07 -2.88 0.00	21.35 -1.80 -0.41
LOCKPORT___CC1 323769	28.09 -1.48 0.00	25.06 -1.21 0.00	23.45 -1.68 0.00	23.26 -1.80 0.00	23.60 -1.78 0.00	26.61 -1.61 0.00	34.45 -2.52 0.00	35.12 -3.31 0.00	31.09 -1.71 0.00	25.79 -1.68 0.00	22.75 -1.45 0.00	21.47 -1.54 0.00	21.07 -1.78 0.00	21.96 -1.70 0.00	21.52 -1.97 0.00	22.07 -2.32 0.00	25.13 -3.01 0.00	29.06 -3.70 0.00	35.20 -4.62 0.00	41.27 -5.47 0.00	40.86 -5.79 0.00	32.22 -3.66 0.00	25.10 -2.85 0.00	20.72 -2.43 -0.41
LOCKPORT___CC2 323770	28.09 -1.48 0.00	25.06 -1.21 0.00	23.45 -1.68 0.00	23.26 -1.80 0.00	23.60 -1.78 0.00	26.61 -1.61 0.00	34.45 -2.52 0.00	35.12 -3.31 0.00	31.09 -1.71 0.00	25.79 -1.68 0.00	22.75 -1.45 0.00	21.47 -1.54 0.00	21.07 -1.78 0.00	21.96 -1.70 0.00	21.52 -1.97 0.00	22.07 -2.32 0.00	25.13 -3.01 0.00	29.06 -3.70 0.00	35.20 -4.62 0.00	41.27 -5.47 0.00	40.86 -5.79 0.00	32.22 -3.66 0.00	25.10 -2.85 0.00	20.72 -2.43 -0.41
LOCKPORT___CC3 323771	28.09 -1.48 0.00	25.06 -1.21 0.00	23.45 -1.68 0.00	23.26 -1.80 0.00	23.60 -1.78 0.00	26.61 -1.61 0.00	34.45 -2.52 0.00	35.12 -3.31 0.00	31.09 -1.71 0.00	25.79 -1.68 0.00	22.75 -1.45 0.00	21.47 -1.54 0.00	21.07 -1.78 0.00	21.96 -1.70 0.00	21.52 -1.97 0.00	22.07 -2.32 0.00	25.13 -3.01 0.00	29.06 -3.70 0.00	35.20 -4.62 0.00	41.27 -5.47 0.00	40.86 -5.79 0.00	32.22 -3.66 0.00	25.10 -2.85 0.00	20.72 -2.43 -0.41
LONG_LAKE_PHOENIX 24014	29.07 -0.50 0.00	25.85 -0.42 0.00	24.68 -0.45 0.00	24.61 -0.45 0.00	24.89 -0.48 0.00	27.76 -0.45 0.00	36.38 -0.59 0.00	37.89 -0.54 0.00	32.30 -0.49 0.00	27.00 -0.47 0.00	23.82 -0.39 0.00	22.62 -0.39 0.00	22.46 -0.39 0.00	23.24 -0.43 0.00	23.07 -0.42 0.00	23.97 -0.41 0.00	27.64 -0.51 0.00	31.95 -0.82 0.00	38.86 -0.96 0.00	45.76 -0.98 0.00	45.62 -1.03 0.00	35.12 -0.75 0.00	27.31 -0.64 0.00	22.46 -0.50 -0.22
LOVETT___3 23632	31.05 1.48 0.00	27.45 1.18 0.00	26.34 1.21 0.00	26.21 1.15 0.00	26.52 1.14 0.00	29.40 1.19 0.00	38.56 1.59 0.00	40.12 1.69 0.00	34.53 1.74 0.00	29.06 1.59 0.00	25.59 1.38 0.00	24.44 1.43 0.00	24.29 1.44 0.00	25.15 1.49 0.00	25.02 1.53 0.00	26.00 1.61 0.00	30.00 1.86 -0.02	35.08 2.29 -0.48	42.93 2.63 -0.60	50.37 3.04 -0.60	50.42 3.17 -0.60	39.04 2.37 -0.80	30.83 1.93 -0.96	26.78 1.55 -2.49
LOVETT___4 23642	31.05 1.48 0.00	27.45 1.18 0.00	26.34 1.21 0.00	26.21 1.15 0.00	26.52 1.14 0.00	29.40 1.19 0.00	38.56 1.59 0.00	40.12 1.69 0.00	34.53 1.74 0.00	29.06 1.59 0.00	25.59 1.38 0.00	24.44 1.43 0.00	24.29 1.44 0.00	25.15 1.49 0.00	25.02 1.53 0.00	26.00 1.61 0.00	30.00 1.86 -0.02	35.08 2.29 -0.48	42.93 2.63 -0.60	50.37 3.04 -0.60	50.42 3.17 -0.60	39.04 2.37 -0.80	30.83 1.93 -0.96	26.78 1.55 -2.49
LOVETT___5 23593	31.05 1.48 0.00	27.45 1.18 0.00	26.34 1.21 0.00	26.21 1.15 0.00	26.52 1.14 0.00	29.40 1.19 0.00	38.56 1.59 0.00	40.12 1.69 0.00	34.53 1.74 0.00	29.06 1.59 0.00	25.59 1.38 0.00	24.44 1.43 0.00	24.29 1.44 0.00	25.15 1.49 0.00	25.02 1.53 0.00	26.00 1.61 0.00	30.00 1.86 -0.02	35.08 2.29 -0.48	42.93 2.63 -0.60	50.37 3.04 -0.60	50.42 3.17 -0.60	39.04 2.37 -0.80	30.83 1.93 -0.96	26.78 1.55 -2.49
LOWER RAQUET___HYD 24057	28.83 -0.74 0.00	25.69 -0.58 0.00	24.51 -0.63 0.00	24.61 -0.45 0.00	24.97 -0.41 0.00	27.74 -0.48 0.00	36.23 -0.74 0.00	37.74 -0.69 0.00	31.74 -1.05 0.00	26.56 -0.91 0.00	23.38 -0.82 0.00	22.16 -0.85 0.00	22.01 -0.84 0.00	22.79 -0.88 0.00	22.65 -0.84 0.00	23.58 -0.80 0.00	27.24 -0.90 0.00	31.91 -0.85 0.00	39.14 -0.68 0.00	45.71 -1.03 0.00	45.57 -1.07 0.00	34.94 -0.93 0.00	26.94 -1.01 0.00	21.90 -0.89 -0.05
LOWER___HUDSON 24059	30.78 1.21 0.00	27.32 1.05 0.00	26.16 1.03 0.00	26.09 1.03 0.00	26.39 1.02 0.00	29.34 1.13 0.00	38.52 1.55 0.00	40.08 1.65 0.00	34.20 1.41 0.00	28.70 1.24 0.00	25.15 0.94 0.00	23.91 0.90 0.00	23.74 0.89 0.00	24.54 0.88 0.00	24.46 0.96 0.00	25.53 1.15 0.00	29.64 1.49 0.00	35.13 1.97 -0.40	49.94 2.31 -7.81	59.10 2.66 -9.70	59.06 2.70 -9.71	50.96 2.15 -12.94	45.18 1.76 -15.47	27.52 1.39 -3.40
LOWVILLE_115KV_TB2 356335	29.07 -0.50 0.00	25.92 -0.34 0.00	24.86 -0.28 0.00	25.09 0.03 0.00	25.50 0.13 0.00	28.41 0.20 0.00	37.41 0.44 0.00	38.81 0.38 0.00	32.70 -0.10 0.00	27.08 -0.38 0.00	23.79 -0.41 0.00	22.58 -0.44 0.00	22.35 -0.50 0.00	23.21 -0.45 0.00	23.00 -0.49 0.00	23.97 -0.41 0.00	27.75 -0.39 0.00	32.50 -0.26 0.00	40.06 0.24 0.00	47.48 0.75 0.00	46.79 0.14 0.00	35.55 -0.32 0.00	27.47 -0.48 0.00	22.35 -0.50 -0.11
LUTHERFT_115KV_GLOB_FND_222 355753	31.08 1.51 0.00	27.55 1.29 0.00	26.39 1.26 0.00	26.31 1.25 0.00	26.64 1.27 0.00	29.68 1.47 0.00	38.93 1.96 0.00	40.43 2.00 0.00	34.37 1.57 0.00	28.70 1.24 0.00	25.15 0.94 0.00	23.84 0.83 0.00	23.67 0.82 0.00	24.49 0.83 0.00	24.39 0.89 0.00	25.41 1.02 0.00	29.47 1.32 0.00	34.80 1.70 -0.33	48.39 2.11 -6.46	57.38 2.62 -8.03	57.39 2.71 -8.04	48.63 2.04 -10.71	42.38 1.62 -12.81	27.43 1.30 -3.40



LUTHERNY_35_KV_BK2 355980	31.08 1.51 0.00	27.58 1.31 0.00	26.41 1.28 0.00	26.34 1.28 0.00	26.64 1.27 0.00	29.68 1.47 0.00	38.97 2.00 0.00	40.47 2.04 0.00	34.37 1.57 0.00	28.73 1.26 0.00	25.17 0.97 0.00	23.84 0.83 0.00	23.67 0.82 0.00	24.52 0.85 0.00	24.39 0.89 0.00	25.41 1.02 0.00	29.50 1.35 0.00	34.80 1.70 -0.33	48.43 2.15 -6.46	57.43 2.66 -8.03	57.44 2.75 -8.04	48.63 2.04 -10.71	42.40 1.65 -12.81	27.46 1.32 -3.40
LWR___OSWEGATCHIE_HYD 23850	28.60 -0.98 0.00	25.48 -0.79 0.00	24.35 -0.78 0.00	24.51 -0.55 0.00	24.92 -0.46 0.00	27.71 -0.51 0.00	36.34 -0.63 0.00	37.78 -0.65 0.00	31.78 -1.02 0.00	26.42 -1.04 0.00	23.26 -0.94 0.00	22.05 -0.97 0.00	21.84 -1.01 0.00	22.67 -0.99 0.00	22.51 -0.99 0.00	23.44 -0.95 0.00	27.10 -1.04 0.00	31.78 -0.98 0.00	39.10 -0.72 0.00	46.04 -0.70 0.00	45.67 -0.98 0.00	34.87 -1.00 0.00	26.92 -1.03 0.00	21.86 -0.96 -0.08
LYONS_FALL_HYD 23570	29.42 -0.15 0.00	26.21 -0.05 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.63 0.25 0.00	28.56 0.34 0.00	37.53 0.56 0.00	39.04 0.61 0.00	32.96 0.16 0.00	27.33 -0.14 0.00	24.04 -0.17 0.00	22.83 -0.18 0.00	22.58 -0.27 0.00	23.45 -0.21 0.00	23.24 -0.26 0.00	24.19 -0.20 0.00	27.98 -0.17 0.00	32.73 -0.03 0.00	40.26 0.44 0.00	47.62 0.89 0.00	47.11 0.47 0.00	35.95 0.07 0.00	27.84 -0.11 0.00	22.68 -0.16 -0.10
MADISON___COUNTY_LFGE 323628	30.04 0.47 0.00	26.74 0.47 0.00	25.56 0.43 0.00	25.51 0.45 0.00	25.91 0.53 0.00	28.86 0.65 0.00	37.89 0.92 0.00	39.39 0.96 0.00	33.42 0.62 0.00	27.77 0.30 0.00	24.42 0.22 0.00	23.20 0.18 0.00	22.96 0.11 0.00	23.83 0.17 0.00	23.61 0.12 0.00	24.56 0.17 0.00	28.40 0.25 0.00	33.16 0.39 0.00	40.62 0.80 0.00	48.00 1.26 0.00	47.72 1.07 0.00	36.59 0.72 0.00	28.42 0.48 0.00	23.25 0.34 -0.17
MALONE___115KV_TB1 356076	29.45 -0.12 0.00	26.24 -0.03 0.00	24.98 -0.15 0.00	25.14 0.08 0.00	25.50 0.13 0.00	28.30 0.08 0.00	37.23 0.26 0.00	38.77 0.35 0.00	32.76 -0.03 0.00	27.52 0.05 0.00	24.23 0.02 0.00	22.92 -0.09 0.00	22.76 -0.09 0.00	23.52 -0.14 0.00	23.35 -0.14 0.00	24.29 -0.10 0.00	28.09 -0.06 0.00	32.96 0.20 0.00	40.38 0.56 0.00	47.25 0.51 0.00	47.21 0.56 0.00	35.98 0.11 0.00	27.67 -0.28 0.00	22.35 -0.39 0.00
MAPLEWOD_115KV_TB3 80458	30.55 0.98 0.00	27.11 0.84 0.00	25.99 0.85 0.00	25.89 0.83 0.00	26.19 0.81 0.00	29.12 0.90 0.00	38.15 1.18 0.00	39.58 1.15 0.00	33.97 1.18 0.00	28.54 1.07 0.00	25.03 0.82 0.00	23.84 0.83 0.00	23.63 0.78 0.00	24.47 0.80 0.00	24.36 0.87 0.00	25.36 0.98 0.00	29.38 1.24 0.00	35.06 1.83 -0.46	50.95 2.11 -9.02	60.32 2.38 -11.20	60.24 2.38 -11.21	52.79 1.97 -14.94	47.52 1.70 -17.87	27.45 1.30 -3.41
MAPLE_RIDGE_WT_1 323574	29.07 -0.50 0.00	25.90 -0.37 0.00	24.81 -0.33 0.00	24.81 -0.25 0.00	25.17 -0.20 0.00	27.99 -0.23 0.00	36.75 -0.22 0.00	38.24 -0.19 0.00	32.60 -0.20 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.85 -0.16 0.00	22.69 -0.16 0.00	23.50 -0.16 0.00	23.33 -0.16 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.64 -0.13 0.00	39.70 -0.12 0.00	46.50 -0.23 0.00	46.32 -0.32 0.00	35.37 -0.50 0.00	27.31 -0.64 0.00	22.10 -0.64 0.00
MAPLE_RIDGE_WT_2 323611	29.07 -0.50 0.00	25.90 -0.37 0.00	24.81 -0.33 0.00	24.81 -0.25 0.00	25.17 -0.20 0.00	27.99 -0.23 0.00	36.75 -0.22 0.00	38.24 -0.19 0.00	32.60 -0.20 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.85 -0.16 0.00	22.69 -0.16 0.00	23.50 -0.16 0.00	23.33 -0.16 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.64 -0.13 0.00	39.70 -0.12 0.00	46.50 -0.23 0.00	46.32 -0.32 0.00	35.37 -0.50 0.00	27.31 -0.64 0.00	22.10 -0.64 0.00
MARBLE_RIVER_WT_PWR 323696	29.28 -0.30 0.00	26.08 -0.18 0.00	24.88 -0.25 0.00	24.99 -0.07 0.00	25.35 -0.03 0.00	28.16 -0.06 0.00	37.01 0.04 0.00	38.54 0.12 0.00	32.70 -0.10 0.00	27.44 -0.03 0.00	24.18 -0.02 0.00	22.94 -0.07 0.00	22.76 -0.09 0.00	23.50 -0.16 0.00	23.35 -0.14 0.00	24.31 -0.07 0.00	28.06 -0.08 0.00	32.86 0.10 0.00	40.14 0.32 0.00	46.97 0.23 0.00	46.93 0.28 0.00	35.88 0.00 0.00	27.64 -0.31 0.00	22.35 -0.39 0.00
MARSHVLE_115KV_TB1 80742	32.17 2.60 0.00	28.55 2.29 0.00	27.29 2.16 0.00	27.24 2.18 0.00	27.61 2.23 0.00	30.87 2.65 0.00	40.48 3.51 0.00	41.46 3.04 0.00	34.53 1.74 0.00	28.46 0.99 0.00	24.93 0.73 0.00	23.54 0.53 0.00	23.38 0.53 0.00	24.18 0.52 0.00	23.92 0.42 0.00	24.90 0.51 0.00	28.96 0.82 0.00	34.47 1.47 -0.23	47.23 2.95 -4.47	56.77 4.49 -5.55	56.82 4.62 -5.56	46.72 3.44 -7.40	39.35 2.54 -8.85	28.60 2.02 -3.83
MARSH_HILL_WT_PWR 323713	29.22 -0.35 0.00	26.11 -0.16 0.00	24.76 -0.38 0.00	24.66 -0.40 0.00	25.07 -0.30 0.00	28.22 0.00 0.00	36.86 -0.11 0.00	37.62 -0.81 0.00	32.63 -0.16 0.00	26.89 -0.58 0.00	23.60 -0.60 0.00	22.25 -0.76 0.00	21.94 -0.91 0.00	22.76 -0.90 0.00	22.39 -1.10 0.00	23.07 -1.32 0.00	26.43 -1.72 0.00	30.73 -2.03 0.00	37.67 -2.15 0.00	44.35 -2.38 0.00	43.75 -2.89 0.00	33.87 -2.01 0.00	25.97 -1.98 0.00	21.79 -1.50 -0.55
MCINTYRE_115KV_TB2 80467	29.57 0.00 0.00	26.34 0.08 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.60 0.23 0.00	28.47 0.25 0.00	37.30 0.33 0.00	38.70 0.27 0.00	32.47 -0.33 0.00	27.08 -0.38 0.00	23.82 -0.39 0.00	22.58 -0.44 0.00	22.42 -0.43 0.00	23.21 -0.45 0.00	23.07 -0.42 0.00	24.02 -0.37 0.00	27.78 -0.37 0.00	32.64 -0.13 0.00	40.14 0.32 0.00	47.02 0.28 0.00	46.88 0.23 0.00	35.91 0.04 0.00	27.70 -0.25 0.00	22.44 -0.30 0.00
MECO_____69_KV_BK1 80468	32.23 2.66 0.00	28.60 2.34 0.00	27.34 2.21 0.00	27.29 2.23 0.00	27.66 2.28 0.00	30.92 2.71 0.00	40.59 3.62 0.00	41.77 3.34 0.00	34.89 2.10 0.00	28.70 1.24 0.00	25.13 0.92 0.00	23.68 0.67 0.00	23.51 0.66 0.00	24.35 0.69 0.00	24.15 0.66 0.00	25.17 0.78 0.00	29.33 1.18 0.00	34.98 1.97 -0.25	47.94 3.30 -4.81	57.44 4.72 -5.98	57.53 4.90 -5.99	47.40 3.55 -7.98	40.14 2.66 -9.54	28.52 2.09 -3.69
MENANDS___115KV_TB5 355628	30.43 0.86 0.00	27.00 0.74 0.00	25.89 0.75 0.00	25.79 0.73 0.00	26.09 0.71 0.00	29.01 0.79 0.00	38.00 1.04 0.00	39.39 0.96 0.00	33.84 1.05 0.00	28.48 1.02 0.00	24.98 0.77 0.00	23.80 0.78 0.00	23.58 0.73 0.00	24.40 0.73 0.00	24.32 0.82 0.00	25.31 0.93 0.00	29.33 1.18 0.00	34.95 1.77 -0.42	49.97 1.99 -8.16	59.06 2.20 -10.13	58.98 2.19 -10.14	51.25 1.87 -13.51	45.76 1.65 -16.16	27.34 1.23 -3.38
MG INDUSTRY___DRP 24185	30.40 0.83 0.00	26.97 0.71 0.00	25.86 0.73 0.00	25.79 0.73 0.00	26.09 0.71 0.00	28.98 0.76 0.00	37.93 0.96 0.00	39.27 0.85 0.00	33.45 0.66 0.00	28.04 0.58 0.00	24.62 0.41 0.00	23.43 0.41 0.00	23.26 0.41 0.00	24.09 0.43 0.00	23.96 0.47 0.00	24.90 0.51 0.00	28.82 0.68 0.00	33.63 1.08 0.22	36.92 1.35 4.25	43.05 1.59 5.28	42.99 1.63 5.28	30.16 1.33 7.04	20.71 1.17 8.42	26.53 0.86 -2.93



MID___OSWEGATCHIE_HYD 23849	28.60 -0.98 0.00	25.48 -0.79 0.00	24.35 -0.78 0.00	24.51 -0.55 0.00	24.92 -0.46 0.00	27.71 -0.51 0.00	36.34 -0.63 0.00	37.78 -0.65 0.00	31.78 -1.02 0.00	26.42 -1.04 0.00	23.26 -0.94 0.00	22.05 -0.97 0.00	21.84 -1.01 0.00	22.67 -0.99 0.00	22.51 -0.99 0.00	23.44 -0.95 0.00	27.10 -1.04 0.00	31.78 -0.98 0.00	39.10 -0.72 0.00	46.04 -0.70 0.00	45.67 -0.98 0.00	34.87 -1.00 0.00	26.92 -1.03 0.00	21.86 -0.96 -0.08
MID___RAQUETTE_HYD 23851	28.83 -0.74 0.00	25.69 -0.58 0.00	24.50 -0.63 0.00	24.61 -0.45 0.00	24.97 -0.41 0.00	27.74 -0.48 0.00	36.23 -0.74 0.00	37.66 -0.77 0.00	31.74 -1.05 0.00	26.56 -0.91 0.00	23.38 -0.82 0.00	22.16 -0.85 0.00	22.00 -0.85 0.00	22.79 -0.88 0.00	22.65 -0.85 0.00	23.53 -0.85 0.00	27.22 -0.93 0.00	31.91 -0.85 0.00	39.14 -0.68 0.00	45.71 -1.03 0.00	45.57 -1.07 0.00	34.94 -0.93 0.00	26.94 -1.01 0.00	21.88 -0.91 -0.05
MILLIKEN___1 23584	29.99 0.41 0.00	26.69 0.42 0.00	25.43 0.30 0.00	25.36 0.30 0.00	25.68 0.30 0.00	28.69 0.48 0.00	37.64 0.67 0.00	38.97 0.54 0.00	33.25 0.46 0.00	27.63 0.16 0.00	24.33 0.12 0.00	23.01 0.00 0.00	22.80 -0.05 0.00	23.59 -0.07 0.00	23.38 -0.12 0.00	24.31 -0.07 0.00	28.09 -0.06 0.00	32.67 -0.10 0.00	39.94 0.12 0.00	47.16 0.42 0.00	46.97 0.33 0.00	36.20 0.32 0.00	28.06 0.11 0.00	23.39 0.11 -0.53
MILLIKEN___2 23585	29.99 0.41 0.00	26.69 0.42 0.00	25.43 0.30 0.00	25.36 0.30 0.00	25.68 0.30 0.00	28.69 0.48 0.00	37.64 0.67 0.00	38.97 0.54 0.00	33.25 0.46 0.00	27.63 0.16 0.00	24.33 0.12 0.00	23.01 0.00 0.00	22.80 -0.05 0.00	23.59 -0.07 0.00	23.38 -0.12 0.00	24.31 -0.07 0.00	28.09 -0.06 0.00	32.67 -0.10 0.00	39.94 0.12 0.00	47.16 0.42 0.00	46.97 0.33 0.00	36.20 0.32 0.00	28.06 0.11 0.00	23.39 0.11 -0.53
MILLIKEN___DIESEL 23629	29.99 0.41 0.00	26.69 0.42 0.00	25.43 0.30 0.00	25.36 0.30 0.00	25.68 0.30 0.00	28.69 0.48 0.00	37.64 0.67 0.00	38.97 0.54 0.00	33.25 0.46 0.00	27.63 0.16 0.00	24.33 0.12 0.00	23.01 0.00 0.00	22.80 -0.05 0.00	23.59 -0.07 0.00	23.38 -0.12 0.00	24.31 -0.07 0.00	28.09 -0.06 0.00	32.67 -0.10 0.00	39.94 0.12 0.00	47.16 0.42 0.00	46.97 0.33 0.00	36.20 0.32 0.00	28.06 0.11 0.00	23.39 0.11 -0.53
MILLSEAT___LFGE 323607	28.51 -1.06 0.00	25.48 -0.79 0.00	23.88 -1.26 0.00	23.71 -1.35 0.00	24.05 -1.32 0.00	27.14 -1.07 0.00	35.16 -1.81 0.00	35.93 -2.50 0.00	31.68 -1.12 0.00	26.23 -1.24 0.00	23.07 -1.14 0.00	21.79 -1.22 0.00	21.34 -1.51 0.00	22.29 -1.37 0.00	21.83 -1.67 0.00	22.41 -1.97 0.00	25.58 -2.56 0.00	29.75 -3.01 0.00	36.07 -3.74 0.00	42.48 -4.25 0.00	42.12 -4.52 0.00	33.04 -2.83 0.00	25.69 -2.26 0.00	21.16 -1.98 -0.40
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	31.14 1.57 0.00	27.53 1.26 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.48 1.27 0.00	38.63 1.66 0.00	40.23 1.81 0.00	34.60 1.80 0.00	29.12 1.65 0.00	25.63 1.43 0.00	24.51 1.50 0.00	24.36 1.51 0.00	25.23 1.56 0.00	25.09 1.60 0.00	26.07 1.68 0.00	30.09 1.94 0.00	35.22 2.42 -0.03	43.12 2.79 -0.52	50.56 3.18 -0.64	50.60 3.31 -0.64	39.21 2.48 -0.86	30.99 2.01 -1.02	26.89 1.59 -2.56
MILLWOOD_13_KV_LOAD 356217	31.17 1.60 0.00	27.55 1.29 0.00	26.47 1.33 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.54 1.33 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.66 1.87 0.00	29.14 1.68 0.00	25.66 1.45 0.00	24.53 1.52 0.00	24.38 1.53 0.00	25.23 1.56 0.00	25.11 1.62 0.00	26.09 1.71 0.00	30.12 1.97 0.00	35.28 2.49 -0.03	43.20 2.87 -0.52	50.65 3.27 -0.64	50.69 3.41 -0.64	39.28 2.55 -0.86	31.01 2.04 -1.02	26.94 1.64 -2.56
MODEL_CITY_ENERGY 24167	27.80 -1.77 0.00	24.77 -1.50 0.00	23.17 -1.96 0.00	23.01 -2.05 0.00	23.32 -2.05 0.00	26.30 -1.92 0.00	34.05 -2.92 0.00	34.74 -3.69 0.00	30.73 -2.06 0.00	25.54 -1.92 0.00	22.51 -1.70 0.00	21.26 -1.75 0.00	20.84 -2.01 0.00	21.75 -1.92 0.00	21.31 -2.18 0.00	21.85 -2.54 0.00	24.85 -3.29 0.00	28.77 -4.00 0.00	34.80 -5.02 0.00	40.80 -5.94 0.00	40.40 -6.25 0.00	31.82 -4.05 0.00	24.85 -3.10 0.00	20.54 -2.61 -0.42
MODERN_LFGE___ 323580	27.80 -1.77 0.00	24.77 -1.50 0.00	23.17 -1.96 0.00	23.01 -2.05 0.00	23.32 -2.05 0.00	26.30 -1.92 0.00	34.05 -2.92 0.00	34.74 -3.69 0.00	30.73 -2.06 0.00	25.54 -1.92 0.00	22.51 -1.70 0.00	21.26 -1.75 0.00	20.84 -2.01 0.00	21.75 -1.92 0.00	21.31 -2.18 0.00	21.85 -2.54 0.00	24.85 -3.29 0.00	28.77 -4.00 0.00	34.80 -5.02 0.00	40.80 -5.94 0.00	40.40 -6.25 0.00	31.82 -4.05 0.00	24.85 -3.10 0.00	20.54 -2.61 -0.42
MOHAWK_PAPER___DRP 24187	30.55 0.98 0.00	27.11 0.84 0.00	25.99 0.85 0.00	25.89 0.83 0.00	26.19 0.81 0.00	29.12 0.90 0.00	38.15 1.18 0.00	39.58 1.15 0.00	33.97 1.18 0.00	28.54 1.07 0.00	25.03 0.82 0.00	23.84 0.83 0.00	23.63 0.78 0.00	24.47 0.80 0.00	24.36 0.87 0.00	25.36 0.98 0.00	29.38 1.24 0.00	35.06 1.83 -0.46	50.95 2.11 -9.02	60.32 2.38 -11.20	60.24 2.38 -11.21	52.79 1.97 -14.94	47.52 1.70 -17.87	27.45 1.30 -3.41
MOHICAN___35_KV_115KV_LD 80490	31.29 1.72 0.00	27.74 1.47 0.00	26.57 1.43 0.00	26.49 1.43 0.00	26.82 1.45 0.00	29.94 1.72 0.00	39.30 2.33 0.00	40.81 2.38 0.00	34.60 1.80 0.00	28.84 1.37 0.00	25.25 1.04 0.00	23.84 0.83 0.00	23.67 0.82 0.00	24.49 0.83 0.00	24.41 0.92 0.00	25.44 1.05 0.00	29.58 1.44 0.00	34.60 1.51 -0.33	48.12 1.91 -6.39	57.20 2.52 -7.94	57.26 2.66 -7.95	48.37 1.90 -10.59	42.10 1.48 -12.67	27.32 1.18 -3.40
MONGAUP___HYD 23641	30.84 1.27 0.00	27.29 1.02 0.00	26.19 1.06 0.00	26.09 1.03 0.00	26.39 1.02 0.00	29.31 1.10 0.00	38.45 1.48 0.00	39.97 1.54 0.00	34.11 1.31 0.00	28.59 1.13 0.00	25.15 0.94 0.00	23.96 0.94 0.00	23.81 0.96 0.00	24.66 0.99 0.00	24.53 1.03 0.00	25.51 1.12 0.00	29.55 1.41 0.00	34.56 1.77 -0.02	42.43 2.19 -0.42	49.92 2.66 -0.52	49.92 2.75 -0.52	38.54 1.97 -0.70	30.40 1.62 -0.83	26.40 1.32 -2.35
MONTAUK___DIESEL 23721	31.20 1.63 0.00	27.63 1.37 0.00	26.47 1.33 0.00	26.34 1.28 0.00	26.52 1.14 0.00	28.89 0.68 0.00	37.49 0.52 0.00	39.08 0.65 0.00	33.58 0.79 0.00	28.43 0.96 0.00	24.98 0.77 0.00	24.60 1.59 0.00	24.66 1.81 0.00	25.58 1.92 0.00	25.82 2.33 0.00	26.90 2.51 0.00	31.19 3.04 -0.01	36.11 3.11 -0.23	43.77 3.42 -0.53	51.41 4.02 -0.66	51.31 4.01 -0.66	39.98 3.23 -0.87	31.00 2.01 -1.03	26.84 1.52 -2.58
MOONROAD_115KV_HARTFLD_TB1-2 355988	29.69 0.12 0.00	26.53 0.26 0.00	24.93 -0.20 0.00	24.78 -0.28 0.00	25.15 -0.23 0.00	28.24 0.03 0.00	36.86 -0.11 0.00	37.97 -0.46 0.00	32.92 0.13 0.00	27.19 -0.27 0.00	24.06 -0.15 0.00	22.58 -0.44 0.00	22.42 -0.43 0.00	23.17 -0.50 0.00	22.69 -0.80 0.00	23.22 -1.17 0.00	26.40 -1.75 0.00	30.47 -2.29 0.00	37.07 -2.75 0.00	43.32 -3.41 0.00	42.35 -4.29 0.00	32.93 -2.94 0.00	25.27 -2.68 0.00	21.19 -2.02 -0.48



MORRIS_RIDGE___SOLAR 323848	28.95 -0.62 0.00	25.82 -0.45 0.00	24.38 -0.75 0.00	24.26 -0.80 0.00	24.59 -0.79 0.00	27.62 -0.59 0.00	35.97 -1.00 0.00	36.62 -1.81 0.00	31.84 -0.95 0.00	26.31 -1.15 0.00	23.14 -1.06 0.00	21.86 -1.15 0.00	21.55 -1.30 0.00	22.39 -1.28 0.00	21.99 -1.50 0.00	22.63 -1.76 0.00	25.92 -2.22 0.00	30.11 -2.65 0.00	36.83 -2.99 0.00	43.51 -3.22 0.00	43.05 -3.59 0.00	33.54 -2.33 0.00	25.88 -2.07 0.00	21.46 -1.82 -0.54
MORTIMER_115KV_TB3 55949	28.80 -0.77 0.00	25.69 -0.58 0.00	24.25 -0.88 0.00	24.13 -0.93 0.00	24.46 -0.91 0.00	27.45 -0.76 0.00	35.71 -1.26 0.00	37.05 -1.38 0.00	32.04 -0.75 0.00	26.64 -0.82 0.00	23.58 -0.63 0.00	22.23 -0.78 0.00	21.91 -0.94 0.00	22.74 -0.92 0.00	22.30 -1.20 0.00	23.00 -1.39 0.00	26.40 -1.75 0.00	30.60 -2.16 0.00	37.11 -2.71 0.00	43.65 -3.08 0.00	43.43 -3.22 0.00	33.87 -2.01 0.00	26.36 -1.59 0.00	22.23 -0.86 -0.35
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	31.32 1.74 0.00	27.68 1.42 0.00	26.57 1.43 0.00	26.44 1.38 0.00	26.72 1.34 0.00	29.65 1.44 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.89 2.10 0.00	29.39 1.92 0.00	25.88 1.67 0.00	24.79 1.77 0.00	24.61 1.76 0.00	25.49 1.82 0.00	25.35 1.86 0.00	26.34 1.95 0.00	30.37 2.22 0.00	35.51 2.72 -0.03	43.41 3.07 -0.52	50.89 3.51 -0.65	50.98 3.68 -0.65	39.47 2.73 -0.86	31.19 2.21 -1.03	27.09 1.77 -2.57
MUNSVILLE_WIND_PWR 323609	31.29 1.71 0.00	27.89 1.63 0.00	26.62 1.48 0.00	26.61 1.55 0.00	27.15 1.78 0.00	30.42 2.20 0.00	40.11 3.14 0.00	41.46 3.04 0.00	34.92 2.13 0.00	28.62 1.15 0.00	25.05 0.85 0.00	23.68 0.67 0.00	23.26 0.41 0.00	24.21 0.54 0.00	23.92 0.42 0.00	24.95 0.56 0.00	28.96 0.82 0.00	34.04 1.28 0.00	42.29 2.47 0.00	50.43 3.69 0.00	49.96 3.31 0.00	38.10 2.23 0.00	29.37 1.42 0.00	24.52 0.98 -0.80
N SALMON___HYD 24042	29.45 -0.12 0.00	26.24 -0.03 0.00	24.98 -0.15 0.00	25.14 0.08 0.00	25.50 0.13 0.00	28.30 0.08 0.00	37.23 0.26 0.00	38.81 0.38 0.00	32.76 -0.03 0.00	27.52 0.06 0.00	24.25 0.05 0.00	22.92 -0.09 0.00	22.76 -0.09 0.00	23.52 -0.14 0.00	23.35 -0.14 0.00	24.31 -0.07 0.00	28.09 -0.06 0.00	32.96 0.20 0.00	40.38 0.56 0.00	47.25 0.52 0.00	47.21 0.56 0.00	35.98 0.11 0.00	27.67 -0.28 0.00	22.37 -0.36 0.00
N.AKRON__115KV_KNAPP 355671	28.48 -1.09 0.00	25.42 -0.84 0.00	23.83 -1.31 0.00	23.68 -1.38 0.00	24.01 -1.37 0.00	27.09 -1.13 0.00	35.12 -1.85 0.00	36.47 -1.96 0.00	31.61 -1.18 0.00	26.20 -1.26 0.00	23.19 -1.02 0.00	21.79 -1.22 0.00	21.48 -1.37 0.00	22.27 -1.40 0.00	21.80 -1.69 0.00	22.41 -1.98 0.00	25.61 -2.53 0.00	29.69 -3.08 0.00	36.00 -3.82 0.00	42.34 -4.39 0.00	42.03 -4.62 0.00	32.97 -2.91 0.00	25.63 -2.32 0.00	21.76 -1.39 -0.40
N.BELMOR_69_KV_BK1 55787	31.61 2.04 0.00	27.95 1.68 0.00	26.77 1.63 0.00	26.61 1.55 0.00	26.87 1.50 0.00	29.74 1.52 0.00	38.82 1.85 0.00	40.35 1.92 0.00	34.79 2.00 0.00	29.25 1.79 0.00	25.85 1.65 0.00	24.92 1.91 0.00	24.79 1.94 0.00	25.68 2.01 0.00	25.61 2.11 0.00	26.68 2.29 0.00	30.80 2.65 -0.01	37.06 3.11 -1.18	43.90 3.54 -0.53	51.51 4.11 -0.66	51.60 4.29 -0.66	40.02 3.26 -0.88	31.55 2.57 -1.03	27.22 1.91 -2.58
N.E_GEN_SANDY PD 24062	30.93 1.36 0.00	27.42 1.15 0.00	26.29 1.16 0.00	26.19 1.13 0.00	26.49 1.12 0.00	29.40 1.18 0.00	38.59 1.62 0.00	40.08 1.65 0.00	34.40 1.61 0.00	28.98 1.51 0.00	25.44 1.23 0.00	24.26 1.24 0.00	24.08 1.23 0.00	24.87 1.21 0.00	24.78 1.29 0.00	25.92 1.54 0.00	30.03 1.89 0.00	35.51 2.49 -0.25	47.50 2.79 -4.89	55.90 3.08 -6.08	55.79 3.13 -6.02	46.60 2.55 -8.18	39.80 2.15 -9.70	32.50 1.71 -8.05
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	31.08 1.51 0.00	27.47 1.21 0.00	26.36 1.23 0.00	26.24 1.18 0.00	26.54 1.17 0.00	29.43 1.21 0.00	38.60 1.63 0.00	40.20 1.77 0.00	34.60 1.80 0.00	29.09 1.62 0.00	25.61 1.40 0.00	24.46 1.45 0.00	24.29 1.44 0.00	25.15 1.49 0.00	25.02 1.53 0.00	26.00 1.61 0.00	30.03 1.89 0.00	35.15 2.36 -0.02	43.00 2.71 -0.48	50.46 3.13 -0.59	50.51 3.27 -0.59	39.11 2.44 -0.79	30.88 1.98 -0.95	26.81 1.59 -2.48
N.QUEENS_27_KV_LOAD 356247	31.50 1.92 -0.01	27.81 1.55 0.00	26.75 1.61 -0.01	26.62 1.55 -0.01	26.80 1.42 0.00	29.60 1.38 0.00	38.63 1.66 0.00	40.27 1.84 0.00	34.83 2.03 0.00	29.39 1.92 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.68 1.83 0.00	25.58 1.92 0.00	25.42 1.93 0.00	26.41 2.02 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.37 3.03 -0.52	50.75 3.37 -0.65	50.84 3.55 -0.65	39.32 2.58 -0.86	31.13 2.15 -1.03	27.21 1.89 -2.58
N.TROY___115KV_TB1 355778	30.78 1.21 0.00	27.32 1.05 0.00	26.16 1.03 0.00	26.09 1.03 0.00	26.39 1.02 0.00	29.37 1.16 0.00	38.52 1.55 0.00	40.08 1.65 0.00	34.20 1.41 0.00	28.70 1.24 0.00	25.17 0.97 0.00	23.91 0.90 0.00	23.72 0.87 0.00	24.54 0.88 0.00	24.46 0.96 0.00	25.48 1.10 0.00	29.52 1.38 0.00	35.10 1.93 -0.40	49.94 2.31 -7.81	59.10 2.66 -9.70	59.06 2.71 -9.71	50.96 2.15 -12.94	45.18 1.76 -15.47	27.52 1.39 -3.40
NARROWS_GT1_1 24228	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT1_2 24229	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT1_3 24230	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT1_4 24231	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58



NARROWS_GT1_5 24232	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT1_6 24233	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT1_7 24234	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT1_8 24235	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT2_1 24236	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT2_2 24237	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT2_3 24238	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT2_4 24239	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT2_5 24240	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT2_6 24241	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT2_7 24242	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NARROWS_GT2_8 24243	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	30.64 1.06 0.00	27.18 0.92 0.00	26.09 0.96 0.00	25.99 0.93 0.00	26.31 0.94 0.00	29.32 1.10 0.00	38.45 1.48 0.00	39.77 1.34 0.00	33.78 0.98 0.00	28.21 0.74 0.00	24.69 0.48 0.00	23.45 0.44 0.00	23.24 0.39 0.00	24.07 0.40 0.00	23.96 0.47 0.00	24.95 0.56 0.00	29.02 0.87 0.00	34.12 1.61 0.25	37.09 2.11 4.84	43.34 2.62 6.02	43.23 2.61 6.02	29.86 2.01 8.02	20.06 1.70 9.60	26.62 1.07 -2.82
NCHELSEA_115KV_TR2 355582	31.11 1.54 0.00	27.53 1.26 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.59 1.22 0.00	29.51 1.30 0.00	38.74 1.77 0.00	40.27 1.84 0.00	34.50 1.71 0.00	28.95 1.48 0.00	25.46 1.26 0.00	24.28 1.27 0.00	24.13 1.28 0.00	24.99 1.33 0.00	24.86 1.36 0.00	25.83 1.44 0.00	29.92 1.77 0.00	35.08 2.29 -0.02	42.93 2.71 -0.40	50.42 3.18 -0.50	50.41 3.27 -0.50	38.95 2.40 -0.67	30.71 1.96 -0.80	26.88 1.57 -2.57
NEG CAPITAL___MECHNVIL 23645	31.11 1.54 0.00	27.60 1.34 0.00	26.41 1.28 0.00	26.34 1.28 0.00	26.67 1.29 0.00	29.68 1.47 0.00	39.00 2.03 0.00	40.50 2.07 0.00	34.43 1.64 0.00	28.81 1.35 0.00	25.25 1.04 0.00	23.91 0.90 0.00	23.77 0.91 0.00	24.56 0.90 0.00	24.46 0.96 0.00	25.53 1.15 0.00	29.69 1.55 0.00	35.02 1.90 -0.35	49.01 2.35 -6.85	58.14 2.90 -8.50	58.10 2.94 -8.52	49.44 2.23 -11.34	43.28 1.76 -13.57	27.55 1.41 -3.40



NEG CENTRAL_HIGH_ACRES 23767	28.42 -1.15 0.00	25.35 -0.92 0.00	24.00 -1.13 0.00	23.88 -1.18 0.00	24.21 -1.17 0.00	27.17 -1.04 0.00	35.42 -1.55 0.00	36.31 -2.11 0.00	31.71 -1.08 0.00	26.34 -1.13 0.00	23.21 -0.99 0.00	21.98 -1.04 0.00	21.57 -1.28 0.00	22.48 -1.18 0.00	22.08 -1.41 0.00	22.80 -1.58 0.00	26.15 -2.00 0.00	30.44 -2.33 0.00	36.91 -2.91 0.00	43.46 -3.27 0.00	43.24 -3.40 0.00	33.65 -2.22 0.00	26.13 -1.82 0.00	21.55 -1.52 -0.34
NEG CENTRAL___DRP 24199	29.45 -0.12 0.00	26.24 -0.03 0.00	24.96 -0.18 0.00	24.86 -0.20 0.00	25.20 -0.18 0.00	28.19 -0.03 0.00	36.93 -0.04 0.00	38.24 -0.19 0.00	32.73 -0.07 0.00	27.19 -0.27 0.00	23.99 -0.22 0.00	22.67 -0.35 0.00	22.44 -0.41 0.00	23.24 -0.43 0.00	22.98 -0.52 0.00	23.80 -0.59 0.00	27.44 -0.70 0.00	31.85 -0.92 0.00	38.86 -0.96 0.00	45.76 -0.98 0.00	45.53 -1.12 0.00	35.23 -0.65 0.00	27.31 -0.64 0.00	22.71 -0.39 -0.36
NEG CENTRAL___INDECK 23768	29.69 0.12 0.00	26.53 0.26 0.00	25.03 -0.10 0.00	24.91 -0.15 0.00	25.30 -0.08 0.00	28.50 0.28 0.00	37.12 0.15 0.00	37.89 -0.54 0.00	32.83 0.03 0.00	27.03 -0.44 0.00	23.67 -0.53 0.00	22.32 -0.69 0.00	21.91 -0.94 0.00	22.79 -0.88 0.00	22.41 -1.08 0.00	23.12 -1.27 0.00	26.57 -1.58 0.00	31.10 -1.67 0.00	38.15 -1.67 0.00	45.34 -1.40 0.00	45.06 -1.59 0.00	34.98 -0.90 0.00	26.97 -0.98 0.00	22.30 -0.91 -0.47
NEG CENTRAL___SENECA 23627	29.57 0.00 0.00	26.34 0.08 0.00	25.01 -0.13 0.00	24.91 -0.15 0.00	25.22 -0.15 0.00	28.30 0.08 0.00	37.04 0.07 0.00	38.27 -0.15 0.00	32.86 0.07 0.00	27.25 -0.22 0.00	23.99 -0.22 0.00	22.65 -0.37 0.00	22.39 -0.46 0.00	23.19 -0.47 0.00	22.86 -0.63 0.00	23.66 -0.73 0.00	27.25 -0.90 0.00	31.68 -1.08 0.00	38.70 -1.11 0.00	45.57 -1.17 0.00	45.29 -1.35 0.00	35.16 -0.72 0.00	27.19 -0.75 0.00	22.73 -0.41 -0.40
NEG CENTRAL___STATE_STREET 24147	29.51 -0.06 0.00	26.24 -0.03 0.00	25.03 -0.10 0.00	24.93 -0.13 0.00	25.25 -0.13 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.35 -0.08 0.00	32.73 -0.07 0.00	27.30 -0.16 0.00	24.06 -0.15 0.00	22.81 -0.21 0.00	22.60 -0.25 0.00	23.38 -0.28 0.00	23.16 -0.33 0.00	24.07 -0.32 0.00	27.75 -0.39 0.00	32.21 -0.56 0.00	39.22 -0.60 0.00	46.22 -0.51 0.00	46.09 -0.56 0.00	35.52 -0.36 0.00	27.56 -0.39 0.00	22.84 -0.25 -0.35
NEG MILLWOOD___DRP 24198	31.26 1.69 0.00	27.63 1.37 0.00	26.54 1.41 0.00	26.39 1.33 0.00	26.69 1.32 0.00	29.65 1.44 0.00	38.93 1.96 0.00	40.50 2.08 0.00	34.73 1.93 0.00	29.09 1.62 0.00	25.61 1.40 0.00	24.44 1.43 0.00	24.31 1.46 0.00	25.13 1.47 0.00	25.04 1.55 0.00	26.02 1.63 0.00	30.09 1.94 0.00	35.31 2.52 -0.02	43.32 3.03 -0.47	50.83 3.51 -0.58	50.82 3.59 -0.59	39.31 2.65 -0.78	31.01 2.12 -0.93	27.02 1.68 -2.60
NEG NORTH_FLCN_SEA 23793	29.57 0.00 0.00	26.34 0.08 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.60 0.23 0.00	28.41 0.20 0.00	37.38 0.41 0.00	38.97 0.54 0.00	33.02 0.23 0.00	28.07 0.60 0.00	24.74 0.53 0.00	23.15 0.14 0.00	22.96 0.11 0.00	23.74 0.07 0.00	23.56 0.07 0.00	24.48 0.10 0.00	28.31 0.17 0.00	33.19 0.43 0.00	40.58 0.76 0.00	47.48 0.75 0.00	47.44 0.79 0.00	36.23 0.36 0.00	27.89 -0.06 0.00	22.53 -0.20 0.00
NEG NORTH_KES_CHATEGAY 23792	29.33 -0.24 0.00	26.13 -0.13 0.00	24.91 -0.23 0.00	25.01 -0.05 0.00	25.38 0.00 0.00	28.19 -0.03 0.00	37.04 0.07 0.00	38.58 0.15 0.00	32.70 -0.10 0.00	27.47 0.00 0.00	24.21 0.00 0.00	22.92 -0.09 0.00	22.74 -0.11 0.00	23.50 -0.17 0.00	23.33 -0.16 0.00	24.26 -0.12 0.00	28.06 -0.08 0.00	32.90 0.13 0.00	40.22 0.40 0.00	47.11 0.37 0.00	47.02 0.37 0.00	35.91 0.04 0.00	27.67 -0.28 0.00	22.33 -0.41 0.00
NEG NORTH___ALICE_FALLS 23915	29.63 0.06 0.00	26.40 0.13 0.00	25.13 0.00 0.00	25.26 0.20 0.00	25.63 0.25 0.00	28.47 0.25 0.00	37.49 0.52 0.00	39.04 0.61 0.00	33.06 0.26 0.00	28.04 0.58 0.00	24.74 0.53 0.00	23.17 0.16 0.00	22.99 0.14 0.00	23.74 0.07 0.00	23.59 0.09 0.00	24.51 0.12 0.00	28.37 0.23 0.00	33.26 0.49 0.00	40.69 0.88 0.00	47.67 0.93 0.00	47.62 0.98 0.00	36.31 0.43 0.00	27.92 -0.03 0.00	22.56 -0.18 0.00
NEG NORTH___LWR_SARANAC 23913	29.63 0.06 0.00	26.40 0.13 0.00	25.13 0.00 0.00	25.26 0.20 0.00	25.63 0.25 0.00	28.47 0.25 0.00	37.49 0.52 0.00	39.04 0.61 0.00	33.06 0.26 0.00	28.04 0.58 0.00	24.74 0.53 0.00	23.17 0.16 0.00	22.99 0.14 0.00	23.74 0.07 0.00	23.59 0.09 0.00	24.51 0.12 0.00	28.37 0.23 0.00	33.26 0.49 0.00	40.69 0.88 0.00	47.67 0.93 0.00	47.62 0.98 0.00	36.31 0.43 0.00	27.92 -0.03 0.00	22.56 -0.18 0.00
NEG NORTH___PLATTSBURG 23628	29.63 0.06 0.00	26.40 0.13 0.00	25.13 0.00 0.00	25.26 0.20 0.00	25.63 0.25 0.00	28.47 0.25 0.00	37.49 0.52 0.00	39.08 0.65 0.00	33.05 0.26 0.00	28.05 0.58 0.00	24.74 0.53 0.00	23.18 0.16 0.00	22.99 0.14 0.00	23.74 0.07 0.00	23.59 0.09 0.00	24.56 0.17 0.00	28.37 0.22 0.00	33.26 0.49 0.00	40.69 0.87 0.00	47.67 0.93 0.00	47.63 0.98 0.00	36.31 0.43 0.00	27.92 -0.03 0.00	22.56 -0.18 0.00
NEG WEST_LEA_LOCKPORT 23791	28.09 -1.48 0.00	25.06 -1.21 0.00	23.45 -1.68 0.00	23.28 -1.78 0.00	23.60 -1.78 0.00	26.61 -1.61 0.00	34.46 -2.51 0.00	35.74 -2.69 0.00	31.06 -1.74 0.00	25.79 -1.68 0.00	22.87 -1.33 0.00	21.47 -1.54 0.00	21.23 -1.62 0.00	21.96 -1.70 0.00	21.52 -1.97 0.00	22.09 -2.29 0.00	25.19 -2.96 0.00	29.03 -3.74 0.00	35.20 -4.62 0.00	41.27 -5.47 0.00	40.86 -5.78 0.00	32.22 -3.66 0.00	25.10 -2.85 0.00	21.36 -1.80 -0.41
NEG WEST___LANCASTER 23811	28.33 -1.24 0.00	25.24 -1.02 0.00	23.73 -1.41 0.00	23.56 -1.50 0.00	23.88 -1.50 0.00	26.80 -1.41 0.00	34.86 -2.11 0.00	35.82 -2.61 0.00	31.15 -1.64 0.00	25.85 -1.62 0.00	22.87 -1.33 0.00	21.49 -1.52 0.00	21.27 -1.58 0.00	22.01 -1.66 0.00	21.59 -1.90 0.00	22.17 -2.22 0.00	25.27 -2.87 0.00	29.13 -3.64 0.00	35.48 -4.34 0.00	41.60 -5.14 0.00	41.09 -5.55 0.00	32.32 -3.55 0.00	25.10 -2.85 0.00	21.05 -2.16 -0.47
NEG_PENN_ALLEGHNY 23528	29.72 0.15 0.00	26.42 0.16 0.00	25.18 0.05 0.00	25.09 0.03 0.00	25.40 0.03 0.00	28.33 0.11 0.00	37.08 0.11 0.00	38.31 -0.11 0.00	32.99 0.20 0.00	27.49 0.03 0.00	24.21 0.00 0.00	22.97 -0.05 0.00	22.76 -0.09 0.00	23.59 -0.07 0.00	23.35 -0.14 0.00	24.19 -0.20 0.00	27.89 -0.25 0.00	32.37 -0.39 0.00	39.46 -0.36 0.00	46.46 -0.28 0.00	46.22 -0.42 0.00	35.73 -0.14 0.00	27.76 -0.19 0.00	23.39 -0.18 -0.84
NEG___GEN_MONROE 24207	28.77 -0.80 0.00	25.69 -0.58 0.00	24.23 -0.90 0.00	24.11 -0.95 0.00	24.46 -0.91 0.00	27.51 -0.71 0.00	35.75 -1.22 0.00	37.08 -1.34 0.00	32.01 -0.79 0.00	26.56 -0.91 0.00	23.48 -0.73 0.00	22.09 -0.92 0.00	21.78 -1.07 0.00	22.60 -1.06 0.00	22.15 -1.34 0.00	22.85 -1.54 0.00	26.20 -1.94 0.00	30.37 -2.39 0.00	36.87 -2.95 0.00	43.47 -3.27 0.00	43.24 -3.41 0.00	33.76 -2.12 0.00	26.27 -1.68 0.00	22.21 -0.89 -0.35



NEPA___ENERGY 23901	29.25 -0.33 0.00	26.06 -0.21 0.00	24.53 -0.60 0.00	24.36 -0.70 0.00	24.66 -0.71 0.00	27.65 -0.56 0.00	35.97 -1.00 0.00	37.01 -1.42 0.00	32.24 -0.56 0.00	26.73 -0.74 0.00	23.65 -0.56 0.00	22.23 -0.78 0.00	22.00 -0.85 0.00	22.76 -0.90 0.00	22.34 -1.15 0.00	22.92 -1.46 0.00	26.18 -1.97 0.00	30.08 -2.69 0.00	36.67 -3.15 0.00	42.90 -3.83 0.00	42.35 -4.29 0.00	33.22 -2.65 0.00	25.80 -2.15 0.00	21.74 -1.48 -0.48
NEVERSink___HYD 23608	30.78 1.21 0.00	27.26 1.00 0.00	26.16 1.03 0.00	26.04 0.98 0.00	26.34 0.96 0.00	29.26 1.04 0.00	38.41 1.44 0.00	39.97 1.54 0.00	34.14 1.35 0.00	28.59 1.13 0.00	25.18 0.97 0.00	23.96 0.94 0.00	23.81 0.96 0.00	24.66 0.99 0.00	24.50 1.01 0.00	25.51 1.12 0.00	29.55 1.41 0.00	34.53 1.77 0.00	42.01 2.19 0.00	49.40 2.66 0.00	49.35 2.70 0.00	37.78 1.90 0.00	29.49 1.54 0.00	26.33 1.27 -2.32
NEWKRMKL_115KV_TB1 55635	30.25 0.68 0.00	26.84 0.58 0.00	25.74 0.60 0.00	25.64 0.58 0.00	25.96 0.58 0.00	28.84 0.62 0.00	37.75 0.78 0.00	39.20 0.77 0.00	33.58 0.79 0.00	28.24 0.77 0.00	24.79 0.58 0.00	23.61 0.60 0.00	23.40 0.55 0.00	24.23 0.57 0.00	24.13 0.63 0.00	25.09 0.71 0.00	29.07 0.93 0.00	34.24 1.41 -0.06	42.60 1.59 -1.19	49.94 1.73 -1.47	49.89 1.77 -1.48	39.35 1.51 -1.97	31.67 1.37 -2.35	26.90 1.00 -3.16
NEWTON___FALLS_HYD 23847	28.60 -0.98 0.00	25.48 -0.79 0.00	24.35 -0.78 0.00	24.51 -0.55 0.00	24.92 -0.46 0.00	27.71 -0.51 0.00	36.34 -0.63 0.00	37.78 -0.65 0.00	31.78 -1.02 0.00	26.42 -1.04 0.00	23.26 -0.94 0.00	22.05 -0.97 0.00	21.84 -1.01 0.00	22.67 -0.99 0.00	22.51 -0.99 0.00	23.44 -0.95 0.00	27.10 -1.04 0.00	31.78 -0.98 0.00	39.10 -0.72 0.00	46.04 -0.70 0.00	45.67 -0.98 0.00	34.87 -1.00 0.00	26.92 -1.03 0.00	21.86 -0.96 -0.08
NGRID_A1_DSASP 323792	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.27 -2.11 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	34.62 -3.81 0.00	30.69 -2.10 0.00	25.52 -1.95 0.00	22.54 -1.67 0.00	21.29 -1.73 0.00	20.86 -1.99 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.85 -3.29 0.00	28.70 -4.06 0.00	34.72 -5.10 0.00	40.62 -6.12 0.00	40.26 -6.39 0.00	31.75 -4.12 0.00	24.82 -3.13 0.00	20.55 -2.61 -0.42
NGRID_A2_DSASP 323793	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.27 -2.11 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	34.62 -3.81 0.00	30.69 -2.10 0.00	25.52 -1.95 0.00	22.54 -1.67 0.00	21.29 -1.73 0.00	20.86 -1.99 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.85 -3.29 0.00	28.70 -4.06 0.00	34.72 -5.10 0.00	40.62 -6.12 0.00	40.26 -6.39 0.00	31.75 -4.12 0.00	24.82 -3.13 0.00	20.55 -2.61 -0.42
NGRID_A4_DSASP 323807	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.27 -2.11 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	34.62 -3.81 0.00	30.69 -2.10 0.00	25.52 -1.95 0.00	22.54 -1.67 0.00	21.29 -1.73 0.00	20.86 -1.99 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.85 -3.29 0.00	28.70 -4.06 0.00	34.72 -5.10 0.00	40.62 -6.12 0.00	40.26 -6.39 0.00	31.75 -4.12 0.00	24.82 -3.13 0.00	20.55 -2.61 -0.42
NIAGARA_115E_LBMP 323715	27.65 -1.92 0.00	24.64 -1.63 0.00	23.05 -2.09 0.00	22.85 -2.21 0.00	23.19 -2.18 0.00	26.16 -2.06 0.00	33.83 -3.14 0.00	34.51 -3.92 0.00	30.56 -2.23 0.00	25.38 -2.09 0.00	22.39 -1.82 0.00	21.15 -1.86 0.00	20.73 -2.12 0.00	21.63 -2.04 0.00	21.19 -2.30 0.00	21.73 -2.66 0.00	24.71 -3.43 0.00	28.57 -4.19 0.00	34.56 -5.26 0.00	40.48 -6.26 0.00	40.11 -6.53 0.00	31.61 -4.27 0.00	24.68 -3.27 0.00	20.43 -2.73 -0.42
NIAGARA_115W_LBMP 323714	27.68 -1.89 0.00	24.66 -1.60 0.00	23.07 -2.06 0.00	22.90 -2.16 0.00	23.22 -2.16 0.00	26.16 -2.06 0.00	33.83 -3.14 0.00	34.51 -3.92 0.00	30.60 -2.20 0.00	25.46 -2.00 0.00	22.46 -1.74 0.00	21.22 -1.80 0.00	20.79 -2.06 0.00	21.70 -1.96 0.00	21.24 -2.26 0.00	21.80 -2.59 0.00	24.80 -3.35 0.00	28.64 -4.13 0.00	34.60 -5.21 0.00	40.48 -6.26 0.00	40.11 -6.53 0.00	31.64 -4.23 0.00	24.74 -3.21 0.00	20.50 -2.66 -0.42
NIAGARA_230_LBMP 323716	27.94 -1.63 0.00	24.93 -1.34 0.00	23.32 -1.81 0.00	23.13 -1.93 0.00	23.45 -1.93 0.00	26.44 -1.78 0.00	34.20 -2.77 0.00	34.86 -3.57 0.00	30.89 -1.90 0.00	25.71 -1.76 0.00	22.68 -1.52 0.00	21.45 -1.57 0.00	21.00 -1.85 0.00	21.91 -1.75 0.00	21.45 -2.04 0.00	22.05 -2.34 0.00	25.08 -3.07 0.00	28.93 -3.83 0.00	35.04 -4.78 0.00	40.99 -5.75 0.00	40.63 -6.02 0.00	32.00 -3.88 0.00	25.02 -2.93 0.00	20.72 -2.43 -0.41
NIAGARA___115KV_198_GIBSON 55903	27.68 -1.89 0.00	24.66 -1.60 0.00	23.07 -2.06 0.00	22.90 -2.16 0.00	23.22 -2.16 0.00	26.16 -2.06 0.00	33.83 -3.14 0.00	35.12 -3.30 0.00	30.56 -2.23 0.00	25.46 -2.01 0.00	22.58 -1.62 0.00	21.22 -1.80 0.00	20.95 -1.90 0.00	21.70 -1.96 0.00	21.24 -2.26 0.00	21.83 -2.56 0.00	24.85 -3.29 0.00	28.57 -4.19 0.00	34.60 -5.22 0.00	40.52 -6.22 0.00	40.12 -6.53 0.00	31.64 -4.23 0.00	24.74 -3.21 0.00	21.11 -2.05 -0.42
NIAGARA____ 23760	27.94 -1.63 0.00	24.93 -1.34 0.00	23.32 -1.81 0.00	23.13 -1.93 0.00	23.45 -1.93 0.00	26.44 -1.78 0.00	34.20 -2.77 0.00	34.86 -3.57 0.00	30.89 -1.90 0.00	25.71 -1.76 0.00	22.68 -1.52 0.00	21.45 -1.57 0.00	21.00 -1.85 0.00	21.91 -1.75 0.00	21.45 -2.04 0.00	22.05 -2.34 0.00	25.08 -3.07 0.00	28.93 -3.83 0.00	35.04 -4.78 0.00	40.99 -5.75 0.00	40.63 -6.02 0.00	32.00 -3.88 0.00	25.02 -2.93 0.00	20.73 -2.43 -0.42
NINE_MILE_1 23575	28.71 -0.86 0.00	25.53 -0.74 0.00	24.38 -0.75 0.00	24.28 -0.78 0.00	24.59 -0.79 0.00	27.40 -0.82 0.00	35.86 -1.11 0.00	37.35 -1.08 0.00	31.88 -0.92 0.00	26.67 -0.80 0.00	23.55 -0.65 0.00	22.37 -0.64 0.00	22.21 -0.64 0.00	22.98 -0.69 0.00	22.81 -0.68 0.00	23.63 -0.76 0.00	27.22 -0.93 0.00	31.52 -1.25 0.00	38.31 -1.51 0.00	45.06 -1.68 0.00	44.92 -1.72 0.00	34.55 -1.33 0.00	26.94 -1.01 0.00	22.16 -0.75 -0.17
NINE_MILE_2 23744	28.71 -0.86 0.00	25.53 -0.74 0.00	24.38 -0.75 0.00	24.31 -0.75 0.00	24.61 -0.76 0.00	27.40 -0.82 0.00	35.90 -1.07 0.00	37.35 -1.08 0.00	31.88 -0.92 0.00	26.67 -0.80 0.00	23.55 -0.65 0.00	22.37 -0.64 0.00	22.21 -0.64 0.00	23.00 -0.66 0.00	22.81 -0.68 0.00	23.63 -0.76 0.00	27.22 -0.93 0.00	31.52 -1.25 0.00	38.31 -1.51 0.00	45.06 -1.68 0.00	44.92 -1.72 0.00	34.55 -1.33 0.00	26.94 -1.01 0.00	22.16 -0.75 -0.17
NM_CAPITAL___DRP 24208	30.37 0.80 0.00	26.95 0.68 0.00	25.84 0.70 0.00	25.74 0.68 0.00	26.04 0.66 0.00	28.95 0.73 0.00	37.89 0.92 0.00	39.31 0.88 0.00	33.78 0.98 0.00	28.40 0.93 0.00	24.91 0.70 0.00	23.75 0.74 0.00	23.54 0.69 0.00	24.35 0.69 0.00	24.27 0.78 0.00	25.26 0.88 0.00	29.24 1.10 0.00	34.78 1.67 -0.35	48.47 1.87 -6.78	57.21 2.06 -8.42	57.13 2.05 -8.43	48.86 1.76 -11.23	42.95 1.57 -13.43	27.23 1.16 -3.33



NM_CENTRAL___DRP 24181	29.25 -0.33 0.00	26.00 -0.26 0.00	24.83 -0.30 0.00	24.73 -0.33 0.00	25.05 -0.33 0.00	27.93 -0.28 0.00	36.60 -0.37 0.00	38.12 -0.31 0.00	32.53 -0.26 0.00	27.19 -0.27 0.00	23.99 -0.22 0.00	22.76 -0.25 0.00	22.62 -0.23 0.00	23.40 -0.26 0.00	23.21 -0.28 0.00	24.12 -0.27 0.00	27.81 -0.34 0.00	32.18 -0.59 0.00	39.14 -0.68 0.00	46.08 -0.65 0.00	45.95 -0.70 0.00	35.34 -0.54 0.00	27.50 -0.45 0.00	22.65 -0.34 -0.25
NM_FRONTIER___DRP 24179	27.68 -1.89 0.00	24.66 -1.60 0.00	23.07 -2.06 0.00	22.90 -2.16 0.00	23.22 -2.16 0.00	26.16 -2.06 0.00	33.83 -3.14 0.00	35.12 -3.30 0.00	30.56 -2.23 0.00	25.46 -2.01 0.00	22.58 -1.62 0.00	21.22 -1.80 0.00	20.95 -1.90 0.00	21.70 -1.96 0.00	21.24 -2.26 0.00	21.83 -2.56 0.00	24.85 -3.29 0.00	28.57 -4.19 0.00	34.60 -5.22 0.00	40.52 -6.22 0.00	40.12 -6.53 0.00	31.64 -4.23 0.00	24.74 -3.21 0.00	21.11 -2.05 -0.42
NM_ST_REGIS___HYD 24053	29.01 -0.56 0.00	25.85 -0.42 0.00	24.63 -0.50 0.00	24.76 -0.30 0.00	25.12 -0.25 0.00	27.90 -0.31 0.00	36.49 -0.48 0.00	37.97 -0.46 0.00	32.01 -0.79 0.00	26.81 -0.66 0.00	23.63 -0.58 0.00	22.37 -0.64 0.00	22.21 -0.64 0.00	22.98 -0.69 0.00	22.84 -0.66 0.00	23.73 -0.66 0.00	27.47 -0.68 0.00	32.21 -0.56 0.00	39.46 -0.36 0.00	46.13 -0.61 0.00	46.04 -0.61 0.00	35.23 -0.65 0.00	27.14 -0.81 0.00	21.97 -0.77 0.00
NORTHPORT___1 23551	31.73 2.16 0.00	28.00 1.73 0.00	26.84 1.71 0.00	26.71 1.65 0.00	26.92 1.55 0.00	29.85 1.64 0.00	38.67 1.70 0.00	40.35 1.92 0.00	34.63 1.84 0.00	29.14 1.68 0.00	25.95 1.74 0.00	24.97 1.96 0.00	24.86 2.01 0.00	25.72 2.06 0.00	25.70 2.21 0.00	26.80 2.41 0.00	31.00 2.84 -0.01	36.21 3.24 -0.20	43.97 3.62 -0.53	51.60 4.21 -0.66	51.59 4.29 -0.66	40.27 3.52 -0.87	31.67 2.68 -1.03	27.32 2.00 -2.58
NORTHPORT___2 23552	31.73 2.16 0.00	28.00 1.73 0.00	26.84 1.71 0.00	26.71 1.65 0.00	26.92 1.55 0.00	29.85 1.64 0.00	38.67 1.70 0.00	40.35 1.92 0.00	34.63 1.84 0.00	29.14 1.68 0.00	25.95 1.74 0.00	24.97 1.96 0.00	24.86 2.01 0.00	25.72 2.06 0.00	25.70 2.21 0.00	26.80 2.41 0.00	31.00 2.84 -0.01	36.21 3.24 -0.20	43.97 3.62 -0.53	51.60 4.21 -0.66	51.59 4.29 -0.66	40.27 3.52 -0.87	31.67 2.68 -1.03	27.32 2.00 -2.58
NORTHPORT___3 23553	31.47 1.89 0.00	27.74 1.47 0.00	26.62 1.48 0.00	26.46 1.40 0.00	26.67 1.29 0.00	29.63 1.41 0.00	38.45 1.48 0.00	39.93 1.50 0.00	34.47 1.67 0.00	29.00 1.54 0.00	25.78 1.57 0.00	24.76 1.75 0.00	24.65 1.80 0.00	25.51 1.85 0.00	25.47 1.97 0.00	26.58 2.20 0.00	30.74 2.59 -0.01	35.92 2.95 -0.21	43.21 2.87 -0.52	50.75 3.37 -0.65	50.80 3.50 -0.65	39.65 2.90 -0.87	31.39 2.40 -1.03	27.09 1.77 -2.58
NORTHPORT___4 23650	31.47 1.89 0.00	27.74 1.47 0.00	26.62 1.48 0.00	26.46 1.40 0.00	26.67 1.29 0.00	29.63 1.41 0.00	38.45 1.48 0.00	39.93 1.50 0.00	34.47 1.67 0.00	29.00 1.54 0.00	25.78 1.57 0.00	24.76 1.75 0.00	24.65 1.80 0.00	25.51 1.85 0.00	25.47 1.97 0.00	26.58 2.20 0.00	30.74 2.59 -0.01	35.92 2.95 -0.21	43.21 2.87 -0.52	50.75 3.37 -0.65	50.80 3.50 -0.65	39.65 2.90 -0.87	31.39 2.40 -1.03	27.09 1.77 -2.58
NORTHPORT___IC 23718	31.67 2.10 0.00	28.00 1.73 0.00	26.82 1.68 0.00	26.69 1.63 0.00	26.92 1.55 0.00	29.65 1.44 0.00	38.67 1.70 0.00	40.20 1.77 0.00	34.63 1.84 0.00	29.14 1.68 0.00	25.78 1.57 0.00	24.97 1.96 0.00	24.86 2.01 0.00	25.72 2.06 0.00	25.70 2.21 0.00	26.73 2.34 0.00	30.91 2.76 -0.01	36.18 3.21 -0.20	43.97 3.62 -0.53	51.55 4.16 -0.66	51.59 4.29 -0.66	40.26 3.52 -0.87	31.69 2.71 -1.03	27.32 2.00 -2.58
NORTH___COUNTRY_ESR 323785	29.25 -0.32 0.00	26.05 -0.21 0.00	24.86 -0.28 0.00	24.96 -0.10 0.00	25.32 -0.05 0.00	28.10 -0.11 0.00	36.93 -0.04 0.00	38.51 0.08 0.00	32.63 -0.16 0.00	27.44 -0.03 0.00	24.18 -0.02 0.00	22.90 -0.11 0.00	22.74 -0.11 0.00	23.47 -0.19 0.00	23.33 -0.16 0.00	24.27 -0.12 0.00	28.03 -0.11 0.00	32.83 0.07 0.00	40.10 0.28 0.00	46.92 0.19 0.00	46.88 0.23 0.00	35.80 -0.07 0.00	27.59 -0.36 0.00	22.31 -0.43 0.00
NPX_GEN_1385_PROXY 323591	31.70 2.13 0.00	28.00 1.73 0.00	26.84 1.71 0.00	26.71 1.65 0.00	26.92 1.55 0.00	29.85 1.64 0.00	38.78 1.81 0.00	40.46 2.04 0.00	34.63 1.84 0.00	29.06 1.59 0.00	25.95 1.74 0.00	24.95 1.93 0.00	24.86 2.01 0.00	25.72 2.06 0.00	25.63 2.14 0.00	26.73 2.34 0.00	30.91 2.76 -0.01	36.44 3.47 -0.20	45.87 3.94 -2.11	51.84 4.44 -0.66	51.67 4.43 -0.59	41.39 3.80 -1.71	34.31 2.91 -3.45	27.63 2.21 -2.69
NPX_GEN_CSC 323557	31.79 2.22 0.00	28.03 1.76 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.92 1.55 0.00	29.57 1.35 0.00	37.78 0.81 0.00	39.47 1.04 0.00	33.78 0.98 0.00	28.62 1.15 0.00	25.63 1.43 0.00	24.81 1.80 0.00	24.86 2.01 0.00	25.60 1.94 0.00	25.75 2.26 0.00	26.75 2.36 0.00	31.03 2.87 -0.01	35.75 2.75 -0.23	43.37 3.02 -0.53	50.99 3.60 -0.66	51.06 3.83 -0.59	40.33 3.52 -0.94	31.41 2.43 -1.03	27.11 1.80 -2.58
NSINS_S___GLNS_FALLS 23858	31.29 1.72 0.00	27.74 1.47 0.00	26.54 1.41 0.00	26.49 1.43 0.00	26.82 1.45 0.00	29.91 1.69 0.00	39.30 2.33 0.00	40.81 2.38 0.00	34.60 1.80 0.00	28.84 1.37 0.00	25.25 1.04 0.00	23.84 0.83 0.00	23.67 0.82 0.00	24.49 0.83 0.00	24.41 0.92 0.00	25.44 1.05 0.00	29.58 1.44 0.00	34.53 1.44 -0.32	47.99 1.83 -6.34	57.04 2.43 -7.88	57.10 2.57 -7.89	48.17 1.79 -10.51	41.91 1.40 -12.57	27.28 1.14 -3.40
NUCOR_STEEL___DRP 24197	29.57 0.00 0.00	26.32 0.05 0.00	25.11 -0.03 0.00	25.01 -0.05 0.00	25.32 -0.05 0.00	28.27 0.06 0.00	37.04 0.07 0.00	38.43 0.00 0.00	32.79 0.00 0.00	27.36 -0.11 0.00	24.11 -0.10 0.00	22.83 -0.18 0.00	22.64 -0.21 0.00	23.43 -0.24 0.00	23.21 -0.28 0.00	24.12 -0.27 0.00	27.81 -0.34 0.00	32.24 -0.52 0.00	39.26 -0.56 0.00	46.27 -0.47 0.00	46.13 -0.51 0.00	35.55 -0.32 0.00	27.61 -0.34 0.00	22.89 -0.18 -0.33
NUMBER_THREE_WT_PWR 323818	29.01 -0.56 0.00	25.87 -0.39 0.00	24.81 -0.33 0.00	25.03 -0.03 0.00	25.48 0.10 0.00	28.39 0.17 0.00	37.34 0.37 0.00	38.85 0.42 0.00	32.63 -0.16 0.00	27.03 -0.44 0.00	23.77 -0.44 0.00	22.55 -0.46 0.00	22.33 -0.52 0.00	23.17 -0.50 0.00	22.98 -0.52 0.00	23.92 -0.46 0.00	27.69 -0.45 0.00	32.44 -0.33 0.00	40.02 0.20 0.00	47.39 0.65 0.00	46.69 0.05 0.00	35.48 -0.39 0.00	27.42 -0.53 0.00	22.32 -0.52 -0.11
NYISO_LBMP_REFERENCE 24008	29.57 0.00 0.00	26.27 0.00 0.00	25.13 0.00 0.00	25.06 0.00 0.00	25.38 0.00 0.00	28.22 0.00 0.00	36.97 0.00 0.00	38.43 0.00 0.00	32.79 0.00 0.00	27.47 0.00 0.00	24.21 0.00 0.00	23.01 0.00 0.00	22.85 0.00 0.00	23.66 0.00 0.00	23.49 0.00 0.00	24.39 0.00 0.00	28.15 0.00 0.00	32.77 0.00 0.00	39.82 0.00 0.00	46.74 0.00 0.00	46.65 0.00 0.00	35.88 0.00 0.00	27.95 0.00 0.00	22.74 0.00 0.00



NYPA_BRENTWD____GT 24164	31.91 2.34 0.00	28.16 1.89 0.00	26.99 1.86 0.00	26.84 1.78 0.00	27.05 1.67 0.00	29.99 1.78 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.76 1.97 0.00	29.25 1.78 0.00	26.07 1.86 0.00	25.06 2.05 0.00	24.98 2.13 0.00	25.84 2.18 0.00	25.82 2.33 0.00	26.92 2.54 0.00	31.20 3.04 -0.01	36.51 3.47 -0.27	44.29 3.94 -0.53	52.02 4.63 -0.66	52.06 4.76 -0.66	40.51 3.77 -0.87	31.84 2.85 -1.03	27.43 2.12 -2.58
NYPA_GOWANUS____GT5 24156	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NYPA_GOWANUS____GT6 24157	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.85 2.42 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.17 1.96 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.70 2.32 0.00	30.80 2.64 -0.01	35.95 3.15 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NYPA_HARLEM_RVR_GT1 24160	31.47 1.89 -0.01	27.79 1.52 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.77 1.39 0.00	29.60 1.38 0.00	38.63 1.67 0.00	40.30 1.88 0.01	34.79 2.00 0.01	29.35 1.89 0.01	25.89 1.69 0.01	24.80 1.80 0.01	24.63 1.78 0.01	25.53 1.87 0.01	25.37 1.88 0.01	26.43 2.05 0.01	30.45 2.31 0.01	35.50 2.72 -0.02	43.32 2.99 -0.51	50.70 3.32 -0.64	50.79 3.50 -0.64	39.28 2.55 -0.86	31.11 2.12 -1.03	27.21 1.89 -2.58
NYPA_HARLEM_RVR_GT2 24161	31.47 1.89 -0.01	27.79 1.52 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.77 1.39 0.00	29.60 1.38 0.00	38.63 1.67 0.00	40.30 1.88 0.01	34.79 2.00 0.01	29.35 1.89 0.01	25.89 1.69 0.01	24.80 1.80 0.01	24.63 1.78 0.01	25.53 1.87 0.01	25.37 1.88 0.01	26.43 2.05 0.01	30.45 2.31 0.01	35.50 2.72 -0.02	43.32 2.99 -0.51	50.70 3.32 -0.64	50.79 3.50 -0.64	39.28 2.55 -0.86	31.11 2.12 -1.03	27.21 1.89 -2.58
NYPA_KENT____GT 24152	31.62 2.04 -0.01	27.92 1.66 0.00	26.83 1.68 -0.01	26.67 1.61 -0.01	26.95 1.57 0.00	29.85 1.64 0.00	39.04 2.07 0.00	40.73 2.31 0.00	35.09 2.29 0.00	29.61 2.14 0.00	26.10 1.89 0.00	24.97 1.96 0.00	24.82 1.97 0.00	25.72 2.06 0.00	25.58 2.09 0.00	26.63 2.24 0.00	30.71 2.56 0.00	35.85 3.05 -0.03	43.69 3.35 -0.52	51.12 3.74 -0.65	51.21 3.92 -0.65	39.72 2.98 -0.87	31.39 2.40 -1.03	27.35 2.02 -2.58
NYPA_POUCH1____GT 24155	31.74 2.16 -0.01	28.03 1.76 0.00	26.90 1.76 -0.01	26.77 1.70 -0.01	27.05 1.67 0.00	29.94 1.72 0.00	39.15 2.18 0.00	40.81 2.38 0.00	35.16 2.36 0.00	29.67 2.20 0.00	26.14 1.94 0.00	25.02 2.00 0.00	24.86 2.01 0.00	25.79 2.13 0.00	25.63 2.14 0.00	26.68 2.29 0.00	30.77 2.62 -0.01	35.88 3.08 -0.03	43.72 3.38 -0.52	51.08 3.69 -0.65	51.16 3.87 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.41 2.09 -2.58
NYPA_VERNON____GT2 24162	31.53 1.95 -0.01	27.84 1.58 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.87 1.50 0.00	29.77 1.55 0.00	38.93 1.96 0.00	40.66 2.23 0.00	35.02 2.23 0.00	29.55 2.09 0.00	26.04 1.84 0.00	24.92 1.91 0.00	24.75 1.90 0.00	25.65 1.99 0.00	25.49 2.00 0.00	26.53 2.15 0.00	30.62 2.48 0.00	35.74 2.95 -0.03	43.56 3.22 -0.52	51.03 3.65 -0.65	51.12 3.83 -0.65	39.57 2.83 -0.87	31.27 2.29 -1.03	27.26 1.93 -2.58
NYPA_VERNON____GT3 24163	31.53 1.95 -0.01	27.84 1.58 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.87 1.50 0.00	29.77 1.55 0.00	38.93 1.96 0.00	40.66 2.23 0.00	35.02 2.23 0.00	29.55 2.09 0.00	26.04 1.84 0.00	24.92 1.91 0.00	24.75 1.90 0.00	25.65 1.99 0.00	25.49 2.00 0.00	26.53 2.15 0.00	30.62 2.48 0.00	35.74 2.95 -0.03	43.56 3.22 -0.52	51.03 3.65 -0.65	51.12 3.83 -0.65	39.57 2.83 -0.87	31.27 2.29 -1.03	27.26 1.93 -2.58
NYPA____ASTORIA_CC1 323568	31.53 1.95 -0.01	27.84 1.58 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.74 1.52 0.00	38.85 1.88 0.00	40.58 2.15 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.02 1.82 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.51 2.12 0.00	30.59 2.45 0.00	35.68 2.88 -0.03	43.53 3.19 -0.52	50.93 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.25 1.93 -2.58
NYPA____ASTORIA_CC2 323569	31.53 1.95 -0.01	27.84 1.58 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.74 1.52 0.00	38.85 1.88 0.00	40.58 2.15 0.00	34.96 2.16 0.00	29.50 2.03 0.00	26.02 1.82 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.51 2.12 0.00	30.59 2.45 0.00	35.68 2.88 -0.03	43.53 3.19 -0.52	50.93 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.25 1.93 -2.58
NYPA____HOLTSVILL 23794	31.76 2.19 0.00	28.00 1.73 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.90 1.52 0.00	29.77 1.55 0.00	38.41 1.44 0.00	40.08 1.65 0.00	34.37 1.57 0.00	28.98 1.51 0.00	25.85 1.65 0.00	24.90 1.89 0.00	24.84 1.99 0.00	25.67 2.01 0.00	25.70 2.21 0.00	26.78 2.39 0.00	31.05 2.90 -0.01	36.14 3.15 -0.23	43.85 3.50 -0.53	51.51 4.11 -0.66	51.59 4.29 -0.66	40.27 3.52 -0.87	31.58 2.60 -1.03	27.25 1.93 -2.58
NYPA____HELLGATE_GT1 24158	31.47 1.89 -0.01	27.79 1.52 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.77 1.39 0.00	29.60 1.38 0.00	38.63 1.67 0.00	40.30 1.88 0.01	34.79 2.00 0.01	29.35 1.89 0.01	25.89 1.69 0.01	24.80 1.80 0.01	24.63 1.78 0.01	25.53 1.87 0.01	25.37 1.88 0.01	26.43 2.05 0.01	30.45 2.31 0.01	35.50 2.72 -0.02	43.32 2.99 -0.51	50.70 3.32 -0.64	50.79 3.50 -0.64	39.28 2.55 -0.86	31.11 2.12 -1.03	27.21 1.89 -2.58
NYPA____HELLGATE_GT2 24159	31.47 1.89 -0.01	27.79 1.52 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.77 1.39 0.00	29.60 1.38 0.00	38.63 1.67 0.00	40.30 1.88 0.01	34.79 2.00 0.01	29.35 1.89 0.01	25.89 1.69 0.01	24.80 1.80 0.01	24.63 1.78 0.01	25.53 1.87 0.01	25.37 1.88 0.01	26.43 2.05 0.01	30.45 2.31 0.01	35.50 2.72 -0.02	43.32 2.99 -0.51	50.70 3.32 -0.64	50.79 3.50 -0.64	39.28 2.55 -0.86	31.11 2.12 -1.03	27.21 1.89 -2.58
NYS_BARGE____HYD 23848	28.06 -1.51 0.00	25.03 -1.23 0.00	23.42 -1.71 0.00	23.26 -1.80 0.00	23.57 -1.80 0.00	26.58 -1.64 0.00	34.42 -2.55 0.00	35.12 -3.31 0.00	31.05 -1.74 0.00	25.79 -1.68 0.00	22.73 -1.48 0.00	21.47 -1.54 0.00	21.04 -1.81 0.00	21.94 -1.73 0.00	21.50 -2.00 0.00	22.05 -2.34 0.00	25.11 -3.04 0.00	29.06 -3.70 0.00	35.20 -4.62 0.00	41.27 -5.47 0.00	40.86 -5.79 0.00	32.18 -3.69 0.00	25.10 -2.85 0.00	20.72 -2.43 -0.41



OAK ORCHARD___HYD 24046	28.80 -0.77 0.00	25.69 -0.58 0.00	24.25 -0.88 0.00	24.11 -0.95 0.00	24.46 -0.91 0.00	27.45 -0.76 0.00	35.71 -1.26 0.00	36.58 -1.84 0.00	32.07 -0.72 0.00	26.64 -0.82 0.00	23.48 -0.73 0.00	22.23 -0.78 0.00	21.80 -1.05 0.00	22.74 -0.92 0.00	22.30 -1.20 0.00	23.00 -1.39 0.00	26.34 -1.80 0.00	30.64 -2.13 0.00	37.11 -2.71 0.00	43.65 -3.09 0.00	43.43 -3.22 0.00	33.87 -2.01 0.00	26.36 -1.59 0.00	21.75 -1.34 -0.35
OAKDALE___35_KV_LOAD 356122	29.69 0.12 0.00	26.40 0.13 0.00	25.16 0.03 0.00	25.03 -0.03 0.00	25.35 -0.03 0.00	28.27 0.06 0.00	36.97 0.00 0.00	38.31 -0.12 0.00	32.89 0.10 0.00	27.44 -0.03 0.00	24.18 -0.02 0.00	22.92 -0.09 0.00	22.76 -0.09 0.00	23.57 -0.09 0.00	23.33 -0.16 0.00	24.17 -0.22 0.00	27.86 -0.28 0.00	32.31 -0.46 0.00	39.38 -0.44 0.00	46.32 -0.42 0.00	46.13 -0.51 0.00	35.62 -0.25 0.00	27.73 -0.22 0.00	23.43 -0.14 -0.83
OCC_CHEM___DRP 24175	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.29 -2.08 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	35.28 -3.15 0.00	30.66 -2.13 0.00	25.52 -1.95 0.00	22.66 -1.55 0.00	21.29 -1.73 0.00	21.02 -1.83 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.94 -3.21 0.00	28.67 -4.10 0.00	34.72 -5.10 0.00	40.61 -6.12 0.00	40.21 -6.44 0.00	31.75 -4.13 0.00	24.79 -3.16 0.00	21.18 -1.98 -0.42
OH_GEN_PROXY 24063	28.00 -1.57 0.00	24.95 -1.31 0.00	23.37 -1.76 0.00	23.18 -1.88 0.00	23.50 -1.88 0.00	26.47 -1.75 0.00	34.27 -2.70 0.00	34.97 -3.46 0.00	30.96 -1.84 0.00	25.76 -1.70 0.00	22.73 -1.48 0.00	21.49 -1.52 0.00	21.04 -1.81 0.00	21.96 -1.70 0.00	21.52 -1.97 0.00	22.09 -2.29 0.00	25.16 -2.98 0.00	29.03 -3.74 0.00	35.16 -4.66 0.00	35.05 -5.61 6.08	35.02 -5.88 5.75	32.21 -3.73 -0.07	22.77 -2.85 2.33	20.79 -2.37 -0.42
OLIN_CORP_DRP 24177	27.71 -1.86 0.00	24.69 -1.58 0.00	23.10 -2.04 0.00	22.93 -2.13 0.00	23.24 -2.13 0.00	26.21 -2.00 0.00	33.90 -3.07 0.00	35.20 -3.23 0.00	30.60 -2.20 0.00	25.46 -2.01 0.00	22.58 -1.62 0.00	21.22 -1.80 0.00	20.95 -1.90 0.00	21.68 -1.99 0.00	21.24 -2.26 0.00	21.80 -2.59 0.00	24.85 -3.29 0.00	28.60 -4.16 0.00	34.68 -5.14 0.00	40.61 -6.12 0.00	40.21 -6.44 0.00	31.71 -4.16 0.00	24.74 -3.21 0.00	21.12 -2.05 -0.42
OLIN_CORP_DSASP 323712	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.27 -2.11 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	34.62 -3.81 0.00	30.69 -2.10 0.00	25.52 -1.95 0.00	22.54 -1.67 0.00	21.29 -1.73 0.00	20.86 -1.99 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.85 -3.29 0.00	28.70 -4.06 0.00	34.72 -5.10 0.00	40.62 -6.12 0.00	40.26 -6.39 0.00	31.75 -4.12 0.00	24.82 -3.13 0.00	20.55 -2.61 -0.42
ONEIDA_HERK_LFGE 323681	29.66 0.09 0.00	26.40 0.13 0.00	25.28 0.15 0.00	25.34 0.28 0.00	25.73 0.36 0.00	28.67 0.45 0.00	37.67 0.70 0.00	39.20 0.77 0.00	33.12 0.33 0.00	27.52 0.06 0.00	24.21 0.00 0.00	22.99 -0.02 0.00	22.74 -0.11 0.00	23.62 -0.05 0.00	23.42 -0.07 0.00	24.36 -0.02 0.00	28.17 0.03 0.00	32.93 0.16 0.00	40.42 0.60 0.00	47.76 1.03 0.00	47.35 0.70 0.00	36.20 0.32 0.00	28.09 0.14 0.00	22.88 0.05 -0.09
ONEIDA___115KV_TB4 55905	30.04 0.47 0.00	26.74 0.47 0.00	25.56 0.43 0.00	25.51 0.45 0.00	25.91 0.53 0.00	28.86 0.65 0.00	37.89 0.92 0.00	39.39 0.96 0.00	33.42 0.62 0.00	27.77 0.30 0.00	24.42 0.22 0.00	23.20 0.18 0.00	22.96 0.11 0.00	23.83 0.17 0.00	23.61 0.12 0.00	24.56 0.17 0.00	28.40 0.25 0.00	33.16 0.39 0.00	40.62 0.80 0.00	48.00 1.26 0.00	47.72 1.07 0.00	36.59 0.72 0.00	28.42 0.48 0.00	23.25 0.34 -0.17
ONONDAGA_REF_OCCRA 23987	29.36 -0.21 0.00	26.11 -0.16 0.00	24.93 -0.20 0.00	24.83 -0.23 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.75 -0.22 0.00	38.24 -0.19 0.00	32.63 -0.16 0.00	27.25 -0.22 0.00	24.04 -0.17 0.00	22.81 -0.21 0.00	22.64 -0.21 0.00	23.45 -0.21 0.00	23.26 -0.23 0.00	24.17 -0.22 0.00	27.86 -0.28 0.00	32.27 -0.49 0.00	39.26 -0.56 0.00	46.27 -0.47 0.00	46.09 -0.56 0.00	35.48 -0.39 0.00	27.59 -0.36 0.00	22.77 -0.27 -0.30
ONONDAGA___COGEN 23986	29.36 -0.21 0.00	26.13 -0.13 0.00	24.93 -0.20 0.00	24.86 -0.20 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.78 -0.18 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.84 -0.31 0.00	32.21 -0.56 0.00	39.18 -0.64 0.00	46.13 -0.61 0.00	45.99 -0.65 0.00	35.41 -0.47 0.00	27.53 -0.42 0.00	22.70 -0.32 -0.28
ONTARIO___LFGE 23819	29.57 0.00 0.00	26.34 0.08 0.00	25.01 -0.13 0.00	24.89 -0.17 0.00	25.22 -0.15 0.00	28.30 0.08 0.00	37.04 0.07 0.00	38.01 -0.42 0.00	32.86 0.07 0.00	27.25 -0.22 0.00	23.94 -0.27 0.00	22.64 -0.37 0.00	22.33 -0.52 0.00	23.17 -0.50 0.00	22.86 -0.63 0.00	23.63 -0.76 0.00	27.22 -0.93 0.00	31.69 -1.08 0.00	38.70 -1.11 0.00	45.57 -1.17 0.00	45.29 -1.35 0.00	35.16 -0.72 0.00	27.22 -0.73 0.00	22.50 -0.64 -0.40
ORANGEVILLE_WT_PWR 323706	28.68 -0.89 0.00	25.58 -0.68 0.00	24.10 -1.03 0.00	23.93 -1.13 0.00	24.28 -1.09 0.00	27.28 -0.93 0.00	35.49 -1.48 0.00	36.16 -2.27 0.00	31.64 -1.15 0.00	26.20 -1.26 0.00	23.07 -1.14 0.00	21.77 -1.24 0.00	21.43 -1.42 0.00	22.29 -1.37 0.00	21.87 -1.62 0.00	22.48 -1.90 0.00	25.70 -2.45 0.00	29.78 -2.98 0.00	36.31 -3.50 0.00	42.72 -4.02 0.00	42.21 -4.43 0.00	33.00 -2.87 0.00	25.49 -2.46 0.00	21.03 -2.21 -0.50
ORANGEVILLE___ESR 323794	28.68 -0.89 0.00	25.58 -0.68 0.00	24.10 -1.03 0.00	23.93 -1.13 0.00	24.28 -1.09 0.00	27.28 -0.93 0.00	35.49 -1.48 0.00	36.16 -2.27 0.00	31.64 -1.15 0.00	26.20 -1.26 0.00	23.07 -1.14 0.00	21.77 -1.24 0.00	21.43 -1.42 0.00	22.29 -1.37 0.00	21.87 -1.62 0.00	22.48 -1.90 0.00	25.70 -2.45 0.00	29.78 -2.98 0.00	36.31 -3.50 0.00	42.72 -4.02 0.00	42.21 -4.43 0.00	33.00 -2.87 0.00	25.49 -2.46 0.00	21.03 -2.21 -0.50
OSWEGATCHIE___HYD 24044	28.60 -0.98 0.00	25.48 -0.79 0.00	24.35 -0.78 0.00	24.51 -0.55 0.00	24.92 -0.46 0.00	27.71 -0.51 0.00	36.34 -0.63 0.00	37.85 -0.58 0.00	31.78 -1.02 0.00	26.42 -1.04 0.00	23.26 -0.94 0.00	22.05 -0.97 0.00	21.87 -0.98 0.00	22.67 -0.99 0.00	22.51 -0.99 0.00	23.44 -0.95 0.00	27.10 -1.04 0.00	31.78 -0.98 0.00	39.10 -0.72 0.00	46.04 -0.70 0.00	45.66 -0.98 0.00	34.87 -1.00 0.00	26.92 -1.03 0.00	21.89 -0.93 -0.08
OSWEGO___5 23606	28.92 -0.65 0.00	25.71 -0.55 0.00	24.56 -0.58 0.00	24.46 -0.60 0.00	24.77 -0.61 0.00	27.59 -0.62 0.00	36.12 -0.85 0.00	37.58 -0.85 0.00	32.10 -0.69 0.00	26.84 -0.63 0.00	23.70 -0.51 0.00	22.49 -0.53 0.00	22.33 -0.52 0.00	23.12 -0.54 0.00	22.95 -0.54 0.00	23.78 -0.61 0.00	27.39 -0.76 0.00	31.75 -1.02 0.00	38.58 -1.23 0.00	45.38 -1.36 0.00	45.25 -1.40 0.00	34.83 -1.04 0.00	27.14 -0.81 0.00	22.32 -0.61 -0.19



OSWEGO___6 23613	28.92 -0.65 0.00	25.71 -0.55 0.00	24.56 -0.58 0.00	24.46 -0.60 0.00	24.77 -0.61 0.00	27.59 -0.62 0.00	36.12 -0.85 0.00	37.58 -0.85 0.00	32.10 -0.69 0.00	26.84 -0.63 0.00	23.70 -0.51 0.00	22.49 -0.53 0.00	22.33 -0.52 0.00	23.12 -0.54 0.00	22.95 -0.54 0.00	23.78 -0.61 0.00	27.39 -0.76 0.00	31.75 -1.02 0.00	38.58 -1.23 0.00	45.38 -1.36 0.00	45.25 -1.40 0.00	34.83 -1.04 0.00	27.14 -0.81 0.00	22.32 -0.61 -0.19
OUTOKUMPU-AB___DRP 24206	28.33 -1.24 0.00	25.24 -1.02 0.00	23.63 -1.51 0.00	23.48 -1.58 0.00	23.78 -1.60 0.00	26.80 -1.41 0.00	34.79 -2.18 0.00	36.05 -2.38 0.00	31.32 -1.48 0.00	25.98 -1.48 0.00	23.04 -1.16 0.00	21.63 -1.38 0.00	21.41 -1.44 0.00	22.15 -1.51 0.00	21.71 -1.79 0.00	22.27 -2.12 0.00	25.36 -2.79 0.00	29.26 -3.51 0.00	35.48 -4.34 0.00	41.60 -5.14 0.00	41.14 -5.50 0.00	32.43 -3.44 0.00	25.24 -2.71 0.00	21.48 -1.68 -0.43
OXBOW___BTM 323836	28.03 -1.54 0.00	24.98 -1.29 0.00	23.37 -1.76 0.00	23.21 -1.85 0.00	23.52 -1.85 0.00	26.52 -1.69 0.00	34.35 -2.62 0.00	35.05 -3.38 0.00	30.99 -1.80 0.00	25.74 -1.73 0.00	22.71 -1.50 0.00	21.45 -1.57 0.00	21.04 -1.81 0.00	21.94 -1.73 0.00	21.50 -2.00 0.00	22.05 -2.34 0.00	25.08 -3.07 0.00	29.00 -3.77 0.00	35.12 -4.70 0.00	41.08 -5.66 0.00	40.67 -5.97 0.00	32.07 -3.80 0.00	25.02 -2.93 0.00	20.69 -2.48 -0.42
OXBOW____ 24026	28.03 -1.54 0.00	24.98 -1.29 0.00	23.37 -1.76 0.00	23.21 -1.85 0.00	23.52 -1.85 0.00	26.52 -1.69 0.00	34.34 -2.62 0.00	35.66 -2.77 0.00	30.99 -1.80 0.00	25.74 -1.73 0.00	22.85 -1.36 0.00	21.45 -1.56 0.00	21.20 -1.65 0.00	21.96 -1.70 0.00	21.50 -2.00 0.00	22.07 -2.32 0.00	25.13 -3.01 0.00	28.97 -3.80 0.00	35.08 -4.74 0.00	41.08 -5.66 0.00	40.67 -5.97 0.00	32.07 -3.80 0.00	24.99 -2.96 0.00	21.32 -1.84 -0.42
OXY_CHEM_DSASP 323612	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.29 -2.08 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	35.28 -3.15 0.00	30.66 -2.13 0.00	25.52 -1.95 0.00	22.66 -1.55 0.00	21.29 -1.73 0.00	21.02 -1.83 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.94 -3.21 0.00	28.67 -4.10 0.00	34.72 -5.10 0.00	40.61 -6.12 0.00	40.21 -6.44 0.00	31.75 -4.13 0.00	24.79 -3.16 0.00	21.18 -1.98 -0.42
OZONE_PARK_ESR 323760	31.52 1.95 0.00	27.84 1.58 0.00	26.72 1.58 0.00	26.59 1.53 0.00	26.87 1.50 0.00	29.85 1.64 0.00	39.15 2.18 0.00	40.77 2.34 0.00	35.15 2.36 0.00	29.64 2.17 0.00	26.09 1.89 0.00	24.99 1.98 0.00	24.82 1.97 0.00	25.70 2.04 0.00	25.56 2.07 0.00	26.53 2.15 0.00	30.59 2.45 0.00	35.84 3.05 -0.03	43.76 3.42 -0.52	51.31 3.93 -0.65	51.45 4.15 -0.65	39.79 3.05 -0.86	31.41 2.43 -1.03	27.25 1.93 -2.57
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.29 -2.08 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	35.28 -3.15 0.00	30.66 -2.13 0.00	25.52 -1.95 0.00	22.66 -1.55 0.00	21.29 -1.73 0.00	21.02 -1.83 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.94 -3.21 0.00	28.67 -4.10 0.00	34.72 -5.10 0.00	40.61 -6.12 0.00	40.21 -6.44 0.00	31.75 -4.13 0.00	24.79 -3.16 0.00	21.18 -1.98 -0.42
PACKARD___115KV_DUPONT_184 80571	27.77 -1.80 0.00	24.74 -1.52 0.00	23.15 -1.99 0.00	22.98 -2.08 0.00	23.29 -2.08 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	35.28 -3.15 0.00	30.66 -2.13 0.00	25.52 -1.95 0.00	22.66 -1.55 0.00	21.29 -1.73 0.00	21.02 -1.83 0.00	21.77 -1.89 0.00	21.31 -2.18 0.00	21.88 -2.51 0.00	24.94 -3.21 0.00	28.67 -4.10 0.00	34.72 -5.10 0.00	40.61 -6.12 0.00	40.21 -6.44 0.00	31.75 -4.13 0.00	24.79 -3.16 0.00	21.18 -1.98 -0.42
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	31.53 1.95 -0.01	27.84 1.58 0.00	26.77 1.63 -0.01	26.62 1.55 -0.01	26.85 1.47 0.00	29.65 1.44 0.00	38.74 1.77 0.00	40.35 1.92 0.00	34.83 2.03 0.00	29.39 1.92 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.40 1.90 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.51 2.72 -0.03	43.37 3.03 -0.52	50.75 3.37 -0.65	50.89 3.59 -0.65	39.39 2.65 -0.86	31.19 2.21 -1.03	27.23 1.91 -2.58
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	31.65 2.07 -0.01	27.97 1.71 0.00	26.90 1.76 -0.01	26.77 1.70 -0.01	27.00 1.62 0.00	29.82 1.61 0.00	38.97 2.00 0.00	40.54 2.11 0.00	34.96 2.16 0.00	29.50 2.03 0.00	25.95 1.74 0.00	24.85 1.84 0.00	24.68 1.83 0.00	25.56 1.89 0.00	25.40 1.90 0.00	26.39 2.00 0.00	30.43 2.28 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.84 3.46 -0.65	50.93 3.64 -0.65	39.43 2.69 -0.86	31.22 2.24 -1.03	27.26 1.93 -2.58
PATROON___115KV_TB1 80586	30.34 0.77 0.00	26.90 0.63 0.00	25.79 0.65 0.00	25.71 0.65 0.00	26.01 0.63 0.00	28.92 0.71 0.00	37.86 0.89 0.00	39.27 0.85 0.00	33.68 0.89 0.00	28.29 0.82 0.00	24.84 0.63 0.00	23.66 0.64 0.00	23.44 0.59 0.00	24.28 0.62 0.00	24.17 0.68 0.00	25.17 0.78 0.00	29.13 0.99 0.00	34.44 1.47 -0.20	45.52 1.71 -3.99	53.56 1.87 -4.96	53.52 1.91 -4.96	44.10 1.61 -6.61	37.28 1.43 -7.91	27.06 1.07 -3.26
PATTRSNVILLE___SOLAR 323815	31.55 1.98 0.00	27.97 1.71 0.00	26.79 1.66 0.00	26.71 1.65 0.00	27.05 1.67 0.00	30.19 1.97 0.00	39.59 2.63 0.00	40.70 2.27 0.00	34.07 1.28 0.00	28.10 0.63 0.00	24.64 0.44 0.00	23.34 0.32 0.00	23.17 0.32 0.00	24.00 0.33 0.00	23.80 0.30 0.00	24.80 0.41 0.00	28.85 0.70 0.00	34.34 1.31 -0.26	47.24 2.39 -5.03	56.44 3.46 -6.25	56.50 3.59 -6.26	46.87 2.65 -8.34	39.93 2.01 -9.97	27.91 1.57 -3.60
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	28.45 -1.12 0.00	25.35 -0.92 0.00	23.80 -1.33 0.00	23.63 -1.43 0.00	23.95 -1.42 0.00	26.92 -1.30 0.00	35.01 -1.96 0.00	36.08 -2.34 0.00	31.35 -1.44 0.00	26.01 -1.46 0.00	23.02 -1.19 0.00	21.63 -1.38 0.00	21.41 -1.44 0.00	22.15 -1.51 0.00	21.73 -1.76 0.00	22.29 -2.10 0.00	25.42 -2.73 0.00	29.33 -3.44 0.00	35.68 -4.14 0.00	41.83 -4.91 0.00	41.33 -5.32 0.00	32.50 -3.37 0.00	25.24 -2.71 0.00	21.27 -1.93 -0.46
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	31.26 1.69 0.00	27.63 1.37 0.00	26.54 1.41 0.00	26.39 1.33 0.00	26.69 1.32 0.00	29.65 1.44 0.00	38.93 1.96 0.00	40.50 2.08 0.00	34.73 1.93 0.00	29.09 1.62 0.00	25.61 1.40 0.00	24.44 1.43 0.00	24.31 1.46 0.00	25.13 1.47 0.00	25.04 1.55 0.00	26.02 1.63 0.00	30.09 1.94 0.00	35.31 2.52 -0.02	43.32 3.03 -0.47	50.83 3.51 -0.58	50.82 3.59 -0.59	39.31 2.65 -0.78	31.01 2.12 -0.93	27.02 1.68 -2.60
PEEKSKILL____ 23653	31.11 1.54 0.00	27.50 1.23 0.00	26.39 1.26 0.00	26.26 1.20 0.00	26.54 1.17 0.00	29.46 1.24 0.00	38.59 1.62 0.00	40.24 1.81 0.00	34.56 1.77 0.00	29.09 1.62 0.00	25.63 1.43 0.00	24.49 1.47 0.00	24.33 1.48 0.00	25.18 1.52 0.00	25.04 1.55 0.00	26.09 1.71 0.00	30.14 2.00 0.00	35.18 2.39 -0.03	43.04 2.71 -0.51	50.50 3.13 -0.63	50.54 3.26 -0.63	39.16 2.44 -0.85	30.92 1.96 -1.01	26.88 1.59 -2.55



PGE MADISON___WINDPWR 24146	31.29 1.71 0.00	27.89 1.63 0.00	26.62 1.48 0.00	26.61 1.55 0.00	27.15 1.78 0.00	30.42 2.20 0.00	40.11 3.14 0.00	41.46 3.04 0.00	34.92 2.13 0.00	28.62 1.15 0.00	25.05 0.85 0.00	23.68 0.67 0.00	23.26 0.41 0.00	24.21 0.54 0.00	23.92 0.42 0.00	24.95 0.56 0.00	28.96 0.82 0.00	34.04 1.28 0.00	42.29 2.47 0.00	50.43 3.69 0.00	49.96 3.31 0.00	38.10 2.23 0.00	29.37 1.42 0.00	24.52 0.98 -0.80
PIERCEFIELD___HYD 23852	28.83 -0.74 0.00	25.69 -0.58 0.00	24.50 -0.63 0.00	24.61 -0.45 0.00	24.97 -0.41 0.00	27.74 -0.48 0.00	36.23 -0.74 0.00	37.66 -0.77 0.00	31.74 -1.05 0.00	26.56 -0.91 0.00	23.38 -0.82 0.00	22.16 -0.85 0.00	22.00 -0.85 0.00	22.79 -0.88 0.00	22.65 -0.85 0.00	23.53 -0.85 0.00	27.22 -0.93 0.00	31.91 -0.85 0.00	39.14 -0.68 0.00	45.71 -1.03 0.00	45.57 -1.07 0.00	34.94 -0.93 0.00	26.94 -1.01 0.00	21.88 -0.91 -0.05
PINELAWN_CC_1 323563	31.73 2.16 0.00	28.00 1.73 0.00	26.84 1.71 0.00	26.69 1.63 0.00	26.90 1.52 0.00	29.88 1.66 0.00	38.74 1.77 0.00	40.43 2.00 0.00	34.69 1.90 0.00	29.20 1.73 0.00	25.97 1.77 0.00	24.95 1.93 0.00	24.84 1.99 0.00	25.70 2.04 0.00	25.68 2.19 0.00	26.78 2.39 0.00	31.00 2.84 -0.01	36.47 3.24 -0.46	44.01 3.66 -0.53	51.69 4.30 -0.66	51.74 4.43 -0.66	40.23 3.48 -0.87	31.64 2.66 -1.03	27.29 1.98 -2.58
PJM_GEN_HTP_PROXY 323702	31.32 1.74 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.44 1.38 0.00	26.72 1.34 0.00	29.68 1.47 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.89 2.10 0.00	29.39 1.92 0.00	25.93 1.72 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.35 1.86 0.00	26.39 2.00 0.00	30.45 2.31 0.00	35.55 2.75 -0.03	43.41 3.07 -0.52	50.89 3.51 -0.65	50.96 3.73 -0.58	39.53 2.73 -0.93	31.19 2.21 -1.03	27.11 1.80 -2.57
PJM_GEN_KEystone 24065	29.87 0.30 0.00	26.47 0.21 0.00	25.21 0.08 0.00	25.06 0.00 0.00	25.35 -0.03 0.00	28.24 0.03 0.00	36.86 -0.11 0.00	36.97 -0.38 1.08	34.13 0.26 -1.08	27.66 0.19 0.00	24.38 0.17 0.00	23.18 0.16 0.00	22.92 0.07 0.00	23.78 0.12 0.00	23.52 0.02 0.00	24.36 -0.02 0.00	28.54 -0.11 -0.51	31.96 -0.30 0.51	39.38 -0.44 0.00	46.18 -0.56 0.00	45.97 -0.61 0.07	35.73 -0.21 -0.07	27.84 -0.11 0.00	24.18 -0.14 -1.57
PJM_GEN_NEPTUNE_PROXY 323594	31.52 1.95 0.00	27.81 1.55 0.00	26.67 1.53 0.00	26.51 1.45 0.00	26.74 1.37 0.00	29.71 1.49 0.00	38.59 1.62 0.00	40.24 1.81 0.00	34.60 1.80 0.00	29.12 1.65 0.00	25.85 1.65 0.00	24.83 1.82 0.00	24.70 1.85 0.00	25.58 1.92 0.00	25.51 2.02 0.00	26.61 2.22 0.00	30.74 2.59 -0.01	35.79 2.95 -0.08	43.65 3.30 -0.53	51.23 3.83 -0.66	51.20 3.96 -0.59	39.86 3.05 -0.94	31.41 2.43 -1.03	27.16 1.84 -2.58
PJM_GEN_VFT_PROXY 323633	31.23 1.65 0.00	27.58 1.31 0.00	26.46 1.33 0.00	26.34 1.28 0.00	26.64 1.27 0.00	29.57 1.35 0.00	38.74 1.77 0.00	40.43 2.00 0.00	34.83 2.03 0.00	29.36 1.89 0.00	25.88 1.67 0.00	24.79 1.77 0.00	24.61 1.76 0.00	25.46 1.80 0.00	25.33 1.83 0.00	26.36 1.97 0.00	30.42 2.28 0.00	35.51 2.72 -0.03	43.33 2.99 -0.52	50.75 3.37 -0.65	50.82 3.59 -0.58	39.46 2.65 -0.93	31.11 2.12 -1.03	27.07 1.75 -2.57
PLATSBURG_115KV_PMLD1 355749	29.54 -0.03 0.00	26.32 0.05 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.58 0.20 0.00	28.41 0.20 0.00	37.38 0.41 0.00	38.93 0.50 0.00	32.99 0.20 0.00	28.04 0.58 0.00	24.74 0.53 0.00	23.13 0.12 0.00	22.96 0.11 0.00	23.71 0.05 0.00	23.56 0.07 0.00	24.48 0.10 0.00	28.31 0.17 0.00	33.16 0.39 0.00	40.54 0.72 0.00	47.48 0.75 0.00	47.39 0.75 0.00	36.20 0.32 0.00	27.89 -0.06 0.00	22.53 -0.20 0.00
PLEASANTVLY___LBMP 24000	30.96 1.39 0.00	27.39 1.13 0.00	26.29 1.16 0.00	26.16 1.10 0.00	26.47 1.09 0.00	29.37 1.16 0.00	38.49 1.52 0.00	40.04 1.61 0.00	34.37 1.57 0.00	28.92 1.46 0.00	25.46 1.26 0.00	24.33 1.31 0.00	24.15 1.30 0.00	25.01 1.35 0.00	24.88 1.39 0.00	25.85 1.46 0.00	29.86 1.72 0.00	34.99 2.20 -0.03	42.92 2.51 -0.59	50.32 2.85 -0.73	50.32 2.94 -0.73	39.11 2.26 -0.98	30.96 1.84 -1.17	26.90 1.48 -2.68
PLSNTVLE_13_KV_13.8KVDIST 80602	31.17 1.60 0.00	27.55 1.29 0.00	26.47 1.33 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.54 1.33 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.66 1.87 0.00	29.17 1.70 0.00	25.68 1.48 0.00	24.56 1.54 0.00	24.40 1.55 0.00	25.27 1.61 0.00	25.14 1.64 0.00	26.09 1.71 0.00	30.14 2.00 -0.03	35.28 2.49 -0.53	43.21 2.87 -0.65	50.66 3.27 -0.65	50.70 3.41 -0.65	39.29 2.55 -0.87	31.06 2.07 -1.04	26.97 1.64 -2.59
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	31.17 1.60 0.00	27.55 1.29 0.00	26.47 1.33 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.54 1.33 0.00	38.71 1.74 0.00	40.31 1.88 0.00	34.66 1.87 0.00	29.17 1.70 0.00	25.68 1.48 0.00	24.56 1.54 0.00	24.40 1.55 0.00	25.27 1.61 0.00	25.14 1.64 0.00	26.09 1.71 0.00	30.14 2.00 -0.03	35.28 2.49 -0.53	43.21 2.87 -0.65	50.66 3.27 -0.65	50.70 3.41 -0.65	39.29 2.55 -0.87	31.06 2.07 -1.04	26.97 1.64 -2.59
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	31.08 1.51 0.00	27.50 1.23 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.51 1.30 0.00	38.71 1.74 0.00	40.23 1.81 0.00	34.47 1.67 0.00	28.92 1.46 0.00	25.44 1.23 0.00	24.28 1.27 0.00	24.13 1.28 0.00	24.97 1.30 0.00	24.86 1.36 0.00	25.83 1.44 0.00	29.89 1.75 0.00	35.05 2.26 -0.02	42.91 2.67 -0.42	50.39 3.13 -0.52	50.39 3.22 -0.52	38.94 2.37 -0.70	30.71 1.93 -0.83	26.92 1.57 -2.61
POLETTI___ 23519	31.29 1.72 0.00	27.66 1.39 0.00	26.57 1.43 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.63 1.41 0.00	37.08 1.81 1.70	38.63 1.96 1.76	34.86 2.07 0.00	29.39 1.92 0.00	25.88 1.67 0.00	24.81 1.80 0.00	24.61 1.76 0.00	25.51 1.85 0.00	25.35 1.86 0.00	26.34 1.95 0.00	30.37 2.22 0.00	35.48 2.69 -0.03	43.37 3.03 -0.52	50.80 3.41 -0.65	50.93 3.64 -0.65	39.43 2.69 -0.86	31.16 2.18 -1.03	27.09 1.77 -2.57
POMONA___ESR 323819	31.08 1.51 0.00	27.47 1.21 0.00	26.36 1.23 0.00	26.24 1.18 0.00	26.54 1.17 0.00	29.43 1.21 0.00	38.59 1.62 0.00	40.24 1.81 0.00	34.60 1.80 0.00	29.09 1.62 0.00	25.63 1.43 0.00	24.46 1.45 0.00	24.31 1.46 0.00	25.16 1.49 0.00	25.02 1.53 0.00	26.07 1.68 0.00	30.12 1.97 0.00	35.15 2.36 -0.02	43.01 2.71 -0.48	50.46 3.13 -0.59	50.50 3.26 -0.59	39.11 2.44 -0.79	30.88 1.98 -0.95	26.81 1.59 -2.48
PORT_JEFF_3 23555	31.82 2.25 0.00	28.08 1.81 0.00	26.92 1.78 0.00	26.79 1.73 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.06 1.59 0.00	25.90 1.69 0.00	24.97 1.96 0.00	24.91 2.06 0.00	25.75 2.08 0.00	25.77 2.28 0.00	26.85 2.46 0.00	31.14 2.98 -0.01	36.27 3.28 -0.23	44.01 3.66 -0.53	51.69 4.30 -0.66	51.78 4.48 -0.66	40.41 3.66 -0.87	31.67 2.68 -1.03	27.32 2.00 -2.58



PORT_JEFF_4 23616	31.82 2.25 0.00	28.08 1.81 0.00	26.92 1.78 0.00	26.79 1.73 0.00	26.97 1.60 0.00	29.85 1.64 0.00	38.49 1.52 0.00	40.20 1.77 0.00	34.43 1.64 0.00	29.06 1.59 0.00	25.90 1.69 0.00	24.97 1.96 0.00	24.91 2.06 0.00	25.75 2.08 0.00	25.77 2.28 0.00	26.85 2.46 0.00	31.14 2.98 -0.01	36.27 3.28 -0.23	44.01 3.66 -0.53	51.69 4.30 -0.66	51.78 4.48 -0.66	40.41 3.66 -0.87	31.67 2.68 -1.03	27.32 2.00 -2.58
PORT_JEFF_IC 23713	31.76 2.19 0.00	28.10 1.84 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.97 1.60 0.00	29.57 1.35 0.00	38.49 1.52 0.00	40.00 1.58 0.00	34.43 1.64 0.00	29.06 1.59 0.00	25.68 1.48 0.00	24.97 1.96 0.00	24.91 2.06 0.00	25.75 2.08 0.00	25.80 2.30 0.00	26.83 2.44 0.00	31.05 2.90 -0.01	36.28 3.28 -0.24	44.01 3.66 -0.53	51.74 4.35 -0.66	51.78 4.48 -0.66	40.44 3.70 -0.87	31.72 2.74 -1.03	27.29 1.98 -2.58
PPL_PILGRIM_ST_GT1 24216	31.91 2.34 0.00	28.16 1.89 0.00	26.99 1.86 0.00	26.84 1.78 0.00	27.05 1.67 0.00	29.99 1.78 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.76 1.97 0.00	29.25 1.78 0.00	26.07 1.86 0.00	25.06 2.05 0.00	24.98 2.13 0.00	25.84 2.18 0.00	25.82 2.33 0.00	26.92 2.54 0.00	31.20 3.04 -0.01	36.51 3.47 -0.27	44.29 3.94 -0.53	52.02 4.63 -0.66	52.06 4.76 -0.66	40.51 3.77 -0.87	31.84 2.85 -1.03	27.43 2.12 -2.58
PPL_PILGRIM_ST_GT2 24217	31.91 2.34 0.00	28.16 1.89 0.00	26.99 1.86 0.00	26.84 1.78 0.00	27.05 1.67 0.00	29.99 1.78 0.00	38.85 1.88 0.00	40.54 2.11 0.00	34.76 1.97 0.00	29.25 1.78 0.00	26.07 1.86 0.00	25.06 2.05 0.00	24.98 2.13 0.00	25.84 2.18 0.00	25.82 2.33 0.00	26.92 2.54 0.00	31.20 3.04 -0.01	36.51 3.47 -0.27	44.29 3.94 -0.53	52.02 4.63 -0.66	52.06 4.76 -0.66	40.51 3.77 -0.87	31.84 2.85 -1.03	27.43 2.12 -2.58
PPL_SHRM_GT3 24213	31.79 2.22 0.00	28.05 1.79 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.92 1.55 0.00	29.60 1.38 0.00	37.82 0.85 0.00	39.50 1.07 0.00	33.81 1.02 0.00	28.65 1.18 0.00	25.66 1.45 0.00	24.81 1.80 0.00	24.86 2.01 0.00	25.60 1.94 0.00	25.75 2.26 0.00	26.75 2.36 0.00	31.05 2.90 -0.01	35.78 2.78 -0.23	43.42 3.07 -0.53	51.04 3.65 -0.66	51.17 3.87 -0.66	40.27 3.52 -0.87	31.44 2.46 -1.03	27.13 1.82 -2.58
PPL_SHRM_GT4 24214	31.79 2.22 0.00	28.05 1.79 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.92 1.55 0.00	29.60 1.38 0.00	37.82 0.85 0.00	39.50 1.07 0.00	33.81 1.02 0.00	28.65 1.18 0.00	25.66 1.45 0.00	24.81 1.80 0.00	24.86 2.01 0.00	25.60 1.94 0.00	25.75 2.26 0.00	26.75 2.36 0.00	31.05 2.90 -0.01	35.78 2.78 -0.23	43.42 3.07 -0.53	51.04 3.65 -0.66	51.17 3.87 -0.66	40.27 3.52 -0.87	31.44 2.46 -1.03	27.13 1.82 -2.58
PROJECT___ORANGE 1 24174	29.28 -0.30 0.00	26.03 -0.24 0.00	24.86 -0.28 0.00	24.76 -0.30 0.00	25.07 -0.30 0.00	27.96 -0.25 0.00	36.60 -0.37 0.00	38.12 -0.31 0.00	32.56 -0.23 0.00	27.19 -0.27 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.81 -0.34 0.00	32.18 -0.59 0.00	39.14 -0.68 0.00	46.08 -0.65 0.00	45.95 -0.70 0.00	35.34 -0.54 0.00	27.50 -0.45 0.00	22.65 -0.34 -0.25
PROJECT___ORANGE 2 24166	29.28 -0.30 0.00	26.03 -0.24 0.00	24.86 -0.28 0.00	24.76 -0.30 0.00	25.07 -0.30 0.00	27.96 -0.25 0.00	36.60 -0.37 0.00	38.12 -0.31 0.00	32.56 -0.23 0.00	27.19 -0.27 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.81 -0.34 0.00	32.18 -0.59 0.00	39.14 -0.68 0.00	46.08 -0.65 0.00	45.95 -0.70 0.00	35.34 -0.54 0.00	27.50 -0.45 0.00	22.65 -0.34 -0.25
PUCKETT___SOLAR 323809	30.10 0.53 0.00	26.79 0.53 0.00	25.53 0.40 0.00	25.46 0.40 0.00	25.83 0.46 0.00	28.81 0.59 0.00	37.78 0.81 0.00	39.01 0.58 0.00	33.35 0.56 0.00	27.63 0.17 0.00	24.28 0.07 0.00	23.01 0.00 0.00	22.78 -0.07 0.00	23.62 -0.05 0.00	23.38 -0.12 0.00	24.24 -0.15 0.00	28.03 -0.11 0.00	32.70 -0.07 0.00	40.10 0.28 0.00	47.39 0.65 0.00	47.11 0.47 0.00	36.31 0.43 0.00	28.17 0.22 0.00	23.73 0.14 -0.86
PYRITES___HYD 24023	29.42 -0.15 0.00	26.21 -0.05 0.00	24.98 -0.15 0.00	25.11 0.05 0.00	25.50 0.13 0.00	28.33 0.11 0.00	37.12 0.15 0.00	38.51 0.08 0.00	32.33 -0.46 0.00	26.95 -0.52 0.00	23.70 -0.51 0.00	22.46 -0.55 0.00	22.28 -0.57 0.00	23.10 -0.57 0.00	22.95 -0.54 0.00	23.87 -0.51 0.00	27.64 -0.51 0.00	32.47 -0.29 0.00	39.94 0.12 0.00	46.78 0.05 0.00	46.65 0.00 0.00	35.70 -0.18 0.00	27.53 -0.42 0.00	22.33 -0.45 -0.04
QUAKERRD_115KV_BK1 80622	28.30 -1.27 0.00	25.24 -1.02 0.00	23.90 -1.23 0.00	23.78 -1.28 0.00	24.08 -1.29 0.00	27.03 -1.19 0.00	35.20 -1.77 0.00	36.51 -1.92 0.00	31.51 -1.28 0.00	26.20 -1.26 0.00	23.17 -1.04 0.00	21.89 -1.13 0.00	21.57 -1.28 0.00	22.39 -1.28 0.00	21.97 -1.53 0.00	22.68 -1.71 0.00	26.06 -2.08 0.00	30.24 -2.52 0.00	36.67 -3.15 0.00	43.14 -3.60 0.00	42.91 -3.73 0.00	33.40 -2.48 0.00	25.99 -1.96 0.00	21.90 -1.18 -0.34
QUENSBRY_115KV_TB8 356137	31.29 1.72 0.00	27.76 1.50 0.00	26.57 1.43 0.00	26.51 1.45 0.00	26.85 1.47 0.00	29.96 1.75 0.00	39.37 2.40 0.00	40.89 2.46 0.00	34.66 1.87 0.00	28.87 1.40 0.00	25.27 1.07 0.00	23.84 0.83 0.00	23.67 0.82 0.00	24.52 0.85 0.00	24.41 0.92 0.00	25.44 1.05 0.00	29.61 1.46 0.00	34.50 1.41 -0.32	47.91 1.79 -6.30	56.94 2.38 -7.82	57.00 2.52 -7.83	48.06 1.76 -10.43	41.77 1.34 -12.48	27.23 1.09 -3.40
RAMAPO___LBMP 323565	30.99 1.42 0.00	27.42 1.16 0.00	26.31 1.18 0.00	26.16 1.10 0.00	26.47 1.09 0.00	29.34 1.13 0.00	38.45 1.48 0.00	40.00 1.58 0.00	34.43 1.64 0.00	28.95 1.48 0.00	25.51 1.31 0.00	24.37 1.36 0.00	24.20 1.35 0.00	25.08 1.42 0.00	24.93 1.43 0.00	25.90 1.51 0.00	29.92 1.77 0.00	34.95 2.16 -0.02	42.76 2.47 -0.47	50.17 2.85 -0.58	50.22 2.99 -0.59	38.91 2.26 -0.78	30.73 1.84 -0.93	26.68 1.48 -2.47
RANKINE____ 23646	28.54 -1.03 0.00	25.42 -0.84 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.01 -1.37 0.00	27.00 -1.21 0.00	35.08 -1.89 0.00	36.31 -2.11 0.00	31.51 -1.28 0.00	26.15 -1.32 0.00	23.17 -1.04 0.00	21.77 -1.24 0.00	21.55 -1.30 0.00	22.29 -1.37 0.00	21.85 -1.64 0.00	22.41 -1.98 0.00	25.56 -2.59 0.00	29.46 -3.31 0.00	35.80 -4.02 0.00	41.97 -4.77 0.00	41.47 -5.18 0.00	32.65 -3.23 0.00	25.35 -2.60 0.00	21.48 -1.71 -0.45
RAVENSWOOD_GT2_1 24244	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.75 1.37 0.00	29.65 1.44 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.89 2.10 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.09 1.77 -2.57



RAVENSWOOD_GT2_2 24245	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.75 1.37 0.00	29.65 1.44 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.89 2.10 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.09 1.77 -2.57
RAVENSWOOD_GT2_3 24246	31.35 1.77 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.75 1.37 0.00	29.68 1.47 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.93 2.13 0.00	29.45 1.98 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.40 1.90 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.58 2.79 -0.03	43.49 3.15 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.11 1.80 -2.57
RAVENSWOOD_GT2_4 24247	31.35 1.77 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.75 1.37 0.00	29.68 1.47 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.93 2.13 0.00	29.45 1.98 0.00	25.92 1.72 0.00	24.83 1.82 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.40 1.90 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.58 2.79 -0.03	43.49 3.15 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.11 1.80 -2.57
RAVENSWOOD_GT3_1 24248	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.75 1.37 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.93 2.13 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.11 1.80 -2.57
RAVENSWOOD_GT3_2 24249	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.75 1.37 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.93 2.13 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.11 1.80 -2.57
RAVENSWOOD_GT3_3 24250	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.75 1.37 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.93 2.13 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.13 1.82 -2.57
RAVENSWOOD_GT3_4 24251	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.44 1.38 0.00	26.75 1.37 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.93 2.13 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.94 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.25 2.26 -1.03	27.13 1.82 -2.57
RAVENSWOOD_GT_1 23729	31.53 1.95 -0.01	27.84 1.58 0.00	26.75 1.61 -0.01	26.60 1.53 -0.01	26.87 1.50 0.00	29.74 1.52 0.00	38.93 1.96 0.00	40.54 2.11 0.00	35.02 2.23 0.00	29.56 2.09 0.00	26.02 1.82 0.00	24.92 1.91 0.00	24.75 1.90 0.00	25.65 1.99 0.00	25.49 2.00 0.00	26.48 2.10 0.00	30.54 2.39 0.00	35.71 2.92 -0.03	43.57 3.23 -0.52	51.03 3.65 -0.65	51.12 3.82 -0.65	39.57 2.83 -0.87	31.30 2.32 -1.03	27.23 1.91 -2.58
RAVENSWOOD_GT_10 24258	31.34 1.77 0.00	27.68 1.42 0.00	26.56 1.43 0.00	26.44 1.38 0.00	26.72 1.34 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.89 2.10 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.09 1.77 -2.57
RAVENSWOOD_GT_11 24259	31.34 1.77 0.00	27.68 1.42 0.00	26.56 1.43 0.00	26.44 1.38 0.00	26.72 1.34 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.89 2.10 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.09 1.77 -2.57
RAVENSWOOD_GT_4 24252	31.31 1.74 0.01	27.66 1.39 0.00	26.56 1.43 0.01	26.41 1.35 0.01	26.72 1.34 0.00	29.65 1.44 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.89 2.10 0.00	29.39 1.92 0.00	25.88 1.67 0.00	24.79 1.77 0.00	24.61 1.76 0.00	25.49 1.82 0.00	25.35 1.86 0.00	26.34 1.95 0.00	30.37 2.22 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.06 1.75 -2.57
RAVENSWOOD_GT_5 24254	31.31 1.74 0.01	27.66 1.39 0.00	26.56 1.43 0.01	26.41 1.35 0.01	26.72 1.34 0.00	29.65 1.44 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.89 2.10 0.00	29.39 1.92 0.00	25.88 1.67 0.00	24.79 1.77 0.00	24.61 1.76 0.00	25.49 1.82 0.00	25.35 1.86 0.00	26.34 1.95 0.00	30.37 2.22 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.06 1.75 -2.57
RAVENSWOOD_GT_6 24253	31.31 1.74 0.01	27.66 1.39 0.00	26.56 1.43 0.01	26.41 1.35 0.01	26.72 1.34 0.00	29.65 1.44 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.89 2.10 0.00	29.39 1.92 0.00	25.88 1.67 0.00	24.79 1.77 0.00	24.61 1.76 0.00	25.49 1.82 0.00	25.35 1.86 0.00	26.34 1.95 0.00	30.37 2.22 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.06 1.75 -2.57
RAVENSWOOD_GT_7 24255	31.31 1.74 0.01	27.66 1.39 0.00	26.56 1.43 0.01	26.41 1.35 0.01	26.72 1.34 0.00	29.65 1.44 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.89 2.10 0.00	29.39 1.92 0.00	25.88 1.67 0.00	24.79 1.77 0.00	24.61 1.76 0.00	25.49 1.82 0.00	25.35 1.86 0.00	26.34 1.95 0.00	30.37 2.22 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.06 1.75 -2.57
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	31.34 1.77 0.00	27.68 1.42 0.00	26.56 1.43 0.00	26.44 1.38 0.00	26.72 1.34 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.89 2.10 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.09 1.77 -2.57



RAVENSWOOD_GT_9 24257	31.34 1.77 0.00	27.68 1.42 0.00	26.56 1.43 0.00	26.44 1.38 0.00	26.72 1.34 0.00	29.65 1.44 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.89 2.10 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.51 1.85 0.00	25.37 1.88 0.00	26.36 1.98 0.00	30.40 2.25 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.89 3.51 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.22 2.24 -1.03	27.09 1.77 -2.57
RAVENSWOOD___1 23533	31.50 1.92 -0.01	27.81 1.55 0.00	26.73 1.58 -0.01	26.60 1.53 -0.01	26.85 1.47 0.00	29.74 1.52 0.00	38.93 1.96 0.00	40.62 2.19 0.00	34.99 2.20 0.00	29.53 2.06 0.00	26.02 1.82 0.00	24.90 1.89 0.00	24.75 1.90 0.00	25.65 1.99 0.00	25.49 2.00 0.00	26.53 2.15 0.00	30.59 2.45 0.00	35.71 2.92 -0.03	43.56 3.22 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.57 2.83 -0.86	31.27 2.29 -1.03	27.25 1.93 -2.58
RAVENSWOOD___2 23534	31.50 1.92 -0.01	27.81 1.55 0.00	26.73 1.58 -0.01	26.57 1.50 -0.01	26.85 1.47 0.00	29.74 1.52 0.00	38.93 1.96 0.00	40.62 2.19 0.00	34.99 2.20 0.00	29.53 2.06 0.00	26.02 1.82 0.00	24.90 1.89 0.00	24.75 1.90 0.00	25.63 1.96 0.00	25.49 2.00 0.00	26.53 2.15 0.00	30.59 2.45 0.00	35.71 2.92 -0.03	43.56 3.22 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.54 2.80 -0.86	31.25 2.26 -1.03	27.25 1.93 -2.58
RAVENSWOOD___3 23535	31.35 1.77 0.00	27.68 1.42 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.74 1.37 0.00	29.68 1.47 0.00	38.89 1.92 0.00	40.58 2.15 0.00	34.92 2.13 0.00	29.42 1.95 0.00	25.93 1.72 0.00	24.81 1.80 0.00	24.63 1.78 0.00	25.53 1.87 0.00	25.37 1.88 0.00	26.41 2.02 0.00	30.48 2.33 0.00	35.58 2.78 -0.03	43.45 3.11 -0.52	50.93 3.55 -0.65	51.03 3.73 -0.65	39.50 2.76 -0.86	31.19 2.21 -1.03	27.13 1.82 -2.57
RAVENSWOOD___4 23820	31.50 1.92 -0.01	27.81 1.55 0.00	26.70 1.56 -0.01	26.57 1.50 -0.01	26.85 1.47 0.00	29.74 1.52 0.00	38.89 1.92 0.00	40.62 2.19 0.00	34.99 2.20 0.00	29.50 2.03 0.00	26.02 1.82 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.51 2.12 0.00	30.59 2.45 0.00	35.68 2.88 -0.03	43.53 3.19 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.54 2.80 -0.86	31.25 2.26 -1.03	27.23 1.91 -2.58
RCPL_TRUST___DRP 24196	31.43 1.86 0.00	27.79 1.52 0.00	26.67 1.53 0.00	26.54 1.48 0.00	26.82 1.45 0.00	29.80 1.58 0.00	39.08 2.11 0.00	40.73 2.31 0.00	35.12 2.33 0.00	29.61 2.14 0.00	26.07 1.86 0.00	24.97 1.96 0.00	24.79 1.94 0.00	25.68 2.01 0.00	25.54 2.04 0.00	26.51 2.12 0.00	30.57 2.42 0.00	35.77 2.98 -0.03	43.68 3.34 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.68 2.94 -0.86	31.33 2.35 -1.03	27.18 1.86 -2.57
RED___ROCHESTER 323720	28.95 -0.62 0.00	25.84 -0.42 0.00	24.38 -0.75 0.00	24.26 -0.80 0.00	24.59 -0.79 0.00	27.62 -0.59 0.00	35.93 -1.03 0.00	36.82 -1.61 0.00	32.27 -0.53 0.00	26.78 -0.69 0.00	23.60 -0.60 0.00	22.35 -0.67 0.00	21.91 -0.94 0.00	22.88 -0.78 0.00	22.44 -1.06 0.00	23.12 -1.27 0.00	26.51 -1.63 0.00	30.86 -1.90 0.00	37.39 -2.43 0.00	44.02 -2.71 0.00	43.80 -2.85 0.00	34.12 -1.76 0.00	26.52 -1.42 0.00	21.86 -1.23 -0.35
REGAN___SOLAR 323812	32.00 2.43 0.00	28.39 2.13 0.00	27.14 2.01 0.00	27.09 2.03 0.00	27.46 2.08 0.00	30.67 2.45 0.00	40.26 3.29 0.00	41.46 3.04 0.00	34.73 1.93 0.00	28.65 1.18 0.00	25.10 0.90 0.00	23.68 0.67 0.00	23.53 0.68 0.00	24.35 0.69 0.00	24.15 0.66 0.00	25.19 0.80 0.00	29.33 1.18 0.00	34.88 1.87 -0.25	47.77 3.07 -4.89	57.16 4.35 -6.07	57.20 4.48 -6.08	47.24 3.26 -8.10	40.07 2.43 -9.69	28.31 1.91 -3.66
RENSSELAER___COGEN 23796	30.22 0.65 0.00	26.82 0.55 0.00	25.71 0.58 0.00	25.64 0.58 0.00	25.93 0.56 0.00	28.81 0.59 0.00	37.71 0.74 0.00	39.20 0.77 0.00	33.55 0.75 0.00	28.21 0.74 0.00	24.76 0.56 0.00	23.61 0.60 0.00	23.44 0.59 0.00	24.23 0.57 0.00	24.13 0.63 0.00	25.14 0.76 0.00	29.16 1.01 0.00	33.69 1.41 0.49	31.85 1.59 9.56	36.54 1.68 11.87	36.48 1.73 11.89	21.55 1.51 15.83	10.35 1.34 18.94	26.54 1.00 -2.80
REPUBLIC_115KV_BARTNBRK 55605	32.26 2.69 0.00	28.63 2.36 0.00	27.34 2.21 0.00	27.32 2.26 0.00	27.66 2.28 0.00	30.98 2.77 0.00	40.78 3.81 0.00	42.35 3.92 0.00	35.71 2.92 0.00	29.64 2.17 0.00	25.88 1.67 0.00	24.23 1.22 0.00	24.04 1.19 0.00	24.89 1.23 0.00	24.81 1.32 0.00	25.95 1.56 0.00	30.31 2.17 0.00	35.55 2.46 -0.32	49.47 3.30 -6.34	59.06 4.44 -7.88	59.20 4.66 -7.89	49.58 3.19 -10.51	42.89 2.38 -12.57	28.03 1.89 -3.40
REVERE_CPPR_DRP 24186	30.13 0.56 0.00	26.82 0.55 0.00	25.66 0.53 0.00	25.66 0.60 0.00	26.06 0.69 0.00	29.06 0.85 0.00	38.19 1.22 0.00	39.66 1.23 0.00	33.58 0.79 0.00	27.82 0.36 0.00	24.47 0.27 0.00	23.24 0.23 0.00	22.96 0.11 0.00	23.85 0.19 0.00	23.63 0.14 0.00	24.61 0.22 0.00	28.48 0.34 0.00	33.29 0.52 0.00	40.89 1.08 0.00	48.42 1.68 0.00	48.09 1.45 0.00	36.77 0.90 0.00	28.54 0.59 0.00	23.29 0.41 -0.14
REYNOLDS_115KV_TB3 80639	30.49 0.92 0.00	27.05 0.79 0.00	25.94 0.80 0.00	25.84 0.78 0.00	26.14 0.76 0.00	29.06 0.85 0.00	38.08 1.11 0.00	39.47 1.04 0.00	33.97 1.18 0.00	28.59 1.13 0.00	25.05 0.85 0.00	23.89 0.87 0.00	23.67 0.82 0.00	24.49 0.83 0.00	24.39 0.89 0.00	25.44 1.05 0.00	29.44 1.29 0.00	35.30 1.93 -0.60	53.80 2.19 -11.79	63.76 2.38 -14.64	63.68 2.38 -14.66	57.45 2.04 -19.53	53.06 1.76 -23.35	27.56 1.34 -3.48
RIVERBAY____ 323610	31.65 2.07 -0.01	27.97 1.71 0.00	26.90 1.76 -0.01	26.77 1.70 -0.01	27.00 1.62 0.00	29.82 1.61 0.00	38.97 2.00 0.00	40.54 2.11 0.00	34.96 2.16 0.00	29.50 2.03 0.00	25.95 1.74 0.00	24.85 1.84 0.00	24.68 1.83 0.00	25.56 1.89 0.00	25.40 1.90 0.00	26.39 2.00 0.00	30.43 2.28 0.00	35.55 2.75 -0.03	43.45 3.11 -0.52	50.84 3.46 -0.65	50.93 3.64 -0.65	39.43 2.69 -0.86	31.22 2.24 -1.03	27.26 1.93 -2.58
RIVERSDE_115KV_TB3 55908	30.37 0.80 0.00	26.95 0.68 0.00	25.84 0.70 0.00	25.74 0.68 0.00	26.04 0.66 0.00	28.95 0.73 0.00	37.89 0.92 0.00	39.31 0.88 0.00	33.78 0.98 0.00	28.40 0.93 0.00	24.91 0.70 0.00	23.75 0.74 0.00	23.54 0.69 0.00	24.35 0.69 0.00	24.27 0.78 0.00	25.26 0.88 0.00	29.24 1.10 0.00	34.78 1.67 -0.35	48.47 1.87 -6.78	57.21 2.06 -8.42	57.13 2.05 -8.43	48.86 1.76 -11.23	42.95 1.57 -13.43	27.23 1.16 -3.33
ROARING___BROOK_WT_PWR 323790	29.07 -0.50 0.00	25.90 -0.37 0.00	24.81 -0.33 0.00	24.81 -0.25 0.00	25.17 -0.20 0.00	27.99 -0.23 0.00	36.75 -0.22 0.00	38.24 -0.19 0.00	32.60 -0.20 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.85 -0.16 0.00	22.69 -0.16 0.00	23.50 -0.16 0.00	23.33 -0.16 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.64 -0.13 0.00	39.70 -0.12 0.00	46.50 -0.23 0.00	46.32 -0.32 0.00	35.37 -0.50 0.00	27.31 -0.64 0.00	22.10 -0.64 0.00



ROCHESRG_115KV_T4 355643	28.71 -0.86 0.00	25.61 -0.66 0.00	24.18 -0.96 0.00	24.06 -1.00 0.00	24.36 -1.02 0.00	27.37 -0.85 0.00	35.60 -1.37 0.00	36.89 -1.54 0.00	31.94 -0.85 0.00	26.56 -0.91 0.00	23.48 -0.73 0.00	22.16 -0.85 0.00	21.84 -1.01 0.00	22.67 -0.99 0.00	22.25 -1.25 0.00	22.95 -1.44 0.00	26.32 -1.83 0.00	30.47 -2.29 0.00	36.95 -2.87 0.00	43.47 -3.27 0.00	43.19 -3.45 0.00	33.72 -2.15 0.00	26.24 -1.70 0.00	22.15 -0.93 -0.35
ROCHESTER_9_IC 23652	28.86 -0.71 0.00	25.74 -0.53 0.00	24.30 -0.83 0.00	24.16 -0.90 0.00	24.49 -0.89 0.00	27.51 -0.71 0.00	35.79 -1.18 0.00	37.12 -1.31 0.00	32.10 -0.69 0.00	26.67 -0.80 0.00	23.60 -0.61 0.00	22.25 -0.76 0.00	21.96 -0.89 0.00	22.79 -0.88 0.00	22.34 -1.15 0.00	23.05 -1.34 0.00	26.46 -1.69 0.00	30.67 -2.10 0.00	37.15 -2.67 0.00	43.75 -2.99 0.00	43.52 -3.13 0.00	33.90 -1.97 0.00	26.38 -1.57 0.00	22.27 -0.82 -0.35
ROCKVIEW_13_KV_LD 356306	31.26 1.69 0.00	27.63 1.37 0.00	26.54 1.41 0.00	26.39 1.33 0.00	26.69 1.32 0.00	29.63 1.41 0.00	38.86 1.89 0.00	40.47 2.04 0.00	34.83 2.03 0.00	29.31 1.84 0.00	25.83 1.62 0.00	24.69 1.68 0.00	24.54 1.69 0.00	25.42 1.75 0.00	25.28 1.79 0.00	26.26 1.88 0.00	30.31 2.17 0.00	35.48 2.69 -0.03	43.45 3.11 -0.52	50.94 3.55 -0.65	50.98 3.68 -0.65	39.50 2.76 -0.86	31.16 2.18 -1.03	27.04 1.73 -2.57
ROME____115KV_TB2 80656	30.13 0.56 0.00	26.82 0.55 0.00	25.66 0.53 0.00	25.66 0.60 0.00	26.06 0.69 0.00	29.06 0.85 0.00	38.19 1.22 0.00	39.66 1.23 0.00	33.58 0.79 0.00	27.82 0.36 0.00	24.47 0.27 0.00	23.24 0.23 0.00	22.96 0.11 0.00	23.85 0.19 0.00	23.63 0.14 0.00	24.61 0.22 0.00	28.48 0.34 0.00	33.29 0.52 0.00	40.89 1.08 0.00	48.42 1.68 0.00	48.09 1.45 0.00	36.77 0.90 0.00	28.54 0.59 0.00	23.29 0.41 -0.14
ROSETON___1 23587	30.90 1.33 0.00	27.34 1.08 0.00	26.27 1.13 0.00	26.14 1.08 0.00	26.42 1.04 0.00	29.31 1.10 0.00	38.41 1.44 0.00	40.00 1.58 0.00	34.30 1.51 0.00	28.87 1.40 0.00	25.42 1.21 0.00	24.28 1.26 0.00	24.11 1.26 0.00	24.96 1.30 0.00	24.83 1.34 0.00	25.85 1.46 0.00	29.86 1.72 0.00	34.89 2.10 -0.02	42.68 2.39 -0.47	50.03 2.71 -0.58	50.07 2.85 -0.58	38.80 2.15 -0.78	30.61 1.73 -0.93	26.72 1.41 -2.57
ROSETON___2 23588	30.90 1.33 0.00	27.34 1.08 0.00	26.27 1.13 0.00	26.14 1.08 0.00	26.42 1.04 0.00	29.31 1.10 0.00	38.41 1.44 0.00	40.00 1.58 0.00	34.30 1.51 0.00	28.87 1.40 0.00	25.42 1.21 0.00	24.28 1.26 0.00	24.11 1.26 0.00	24.96 1.30 0.00	24.83 1.34 0.00	25.85 1.46 0.00	29.86 1.72 0.00	34.89 2.10 -0.02	42.68 2.39 -0.47	50.03 2.71 -0.58	50.07 2.85 -0.58	38.80 2.15 -0.78	30.61 1.73 -0.93	26.72 1.41 -2.57
ROTRRDAM_115KV_TB3 80664	30.58 1.01 0.00	27.13 0.87 0.00	25.99 0.85 0.00	25.91 0.85 0.00	26.21 0.84 0.00	29.15 0.93 0.00	38.23 1.26 0.00	39.66 1.23 0.00	33.74 0.95 0.00	28.26 0.80 0.00	24.84 0.63 0.00	23.61 0.60 0.00	23.47 0.62 0.00	24.30 0.64 0.00	24.15 0.66 0.00	25.09 0.71 0.00	29.05 0.90 0.00	34.23 1.18 -0.28	46.81 1.47 -5.52	55.37 1.78 -6.86	55.33 1.82 -6.87	46.42 1.40 -9.15	40.01 1.12 -10.94	27.03 0.89 -3.40
RUSSELL___1 23602	28.95 -0.62 0.00	25.85 -0.42 0.00	24.38 -0.75 0.00	24.26 -0.80 0.00	24.59 -0.79 0.00	27.62 -0.59 0.00	35.93 -1.04 0.00	37.28 -1.15 0.00	32.24 -0.56 0.00	26.78 -0.69 0.00	23.70 -0.51 0.00	22.35 -0.67 0.00	22.03 -0.82 0.00	22.88 -0.78 0.00	22.44 -1.06 0.00	23.14 -1.24 0.00	26.57 -1.58 0.00	30.83 -1.93 0.00	37.35 -2.47 0.00	44.03 -2.71 0.00	43.80 -2.85 0.00	34.12 -1.76 0.00	26.52 -1.43 0.00	22.36 -0.73 -0.35
RUSSELL___2 23532	28.95 -0.62 0.00	25.85 -0.42 0.00	24.38 -0.75 0.00	24.26 -0.80 0.00	24.59 -0.79 0.00	27.62 -0.59 0.00	35.93 -1.04 0.00	37.28 -1.15 0.00	32.24 -0.56 0.00	26.78 -0.69 0.00	23.70 -0.51 0.00	22.35 -0.67 0.00	22.03 -0.82 0.00	22.88 -0.78 0.00	22.44 -1.06 0.00	23.14 -1.24 0.00	26.57 -1.58 0.00	30.83 -1.93 0.00	37.35 -2.47 0.00	44.03 -2.71 0.00	43.80 -2.85 0.00	34.12 -1.76 0.00	26.52 -1.43 0.00	22.36 -0.73 -0.35
RUSSELL___3 23549	28.95 -0.62 0.00	25.85 -0.42 0.00	24.38 -0.75 0.00	24.26 -0.80 0.00	24.59 -0.79 0.00	27.62 -0.59 0.00	35.93 -1.04 0.00	37.28 -1.15 0.00	32.24 -0.56 0.00	26.78 -0.69 0.00	23.70 -0.51 0.00	22.35 -0.67 0.00	22.03 -0.82 0.00	22.88 -0.78 0.00	22.44 -1.06 0.00	23.14 -1.24 0.00	26.57 -1.58 0.00	30.83 -1.93 0.00	37.35 -2.47 0.00	44.03 -2.71 0.00	43.80 -2.85 0.00	34.12 -1.76 0.00	26.52 -1.43 0.00	22.36 -0.73 -0.35
RUSSELL___4 23556	28.95 -0.62 0.00	25.85 -0.42 0.00	24.38 -0.75 0.00	24.26 -0.80 0.00	24.59 -0.79 0.00	27.62 -0.59 0.00	35.93 -1.04 0.00	37.28 -1.15 0.00	32.24 -0.56 0.00	26.78 -0.69 0.00	23.70 -0.51 0.00	22.35 -0.67 0.00	22.03 -0.82 0.00	22.88 -0.78 0.00	22.44 -1.06 0.00	23.14 -1.24 0.00	26.57 -1.58 0.00	30.83 -1.93 0.00	37.35 -2.47 0.00	44.03 -2.71 0.00	43.80 -2.85 0.00	34.12 -1.76 0.00	26.52 -1.43 0.00	22.36 -0.73 -0.35
RUSSELL___STATION 23914	28.95 -0.62 0.00	25.85 -0.42 0.00	24.38 -0.75 0.00	24.26 -0.80 0.00	24.59 -0.79 0.00	27.62 -0.59 0.00	35.93 -1.04 0.00	37.28 -1.15 0.00	32.24 -0.56 0.00	26.78 -0.69 0.00	23.70 -0.51 0.00	22.35 -0.67 0.00	22.03 -0.82 0.00	22.88 -0.78 0.00	22.44 -1.06 0.00	23.14 -1.24 0.00	26.57 -1.58 0.00	30.83 -1.93 0.00	37.35 -2.47 0.00	44.03 -2.71 0.00	43.80 -2.85 0.00	34.12 -1.76 0.00	26.52 -1.43 0.00	22.36 -0.73 -0.35
S SALMON___HYD 24043	29.07 -0.50 0.00	25.84 -0.42 0.00	24.68 -0.45 0.00	24.66 -0.40 0.00	25.02 -0.36 0.00	27.91 -0.31 0.00	36.67 -0.30 0.00	38.12 -0.31 0.00	32.30 -0.49 0.00	26.86 -0.60 0.00	23.70 -0.51 0.00	22.49 -0.53 0.00	22.30 -0.55 0.00	23.12 -0.54 0.00	22.93 -0.56 0.00	23.80 -0.59 0.00	27.44 -0.70 0.00	31.88 -0.88 0.00	39.06 -0.76 0.00	46.18 -0.56 0.00	45.99 -0.65 0.00	35.23 -0.64 0.00	27.36 -0.59 0.00	22.49 -0.45 -0.21
S.PERRY___115KV_TB1 80734	29.69 0.12 0.00	26.53 0.26 0.00	25.06 -0.08 0.00	24.93 -0.13 0.00	25.30 -0.08 0.00	28.50 0.28 0.00	37.12 0.15 0.00	38.35 -0.08 0.00	32.83 0.03 0.00	27.03 -0.44 0.00	23.77 -0.44 0.00	22.32 -0.69 0.00	22.03 -0.82 0.00	22.79 -0.88 0.00	22.41 -1.08 0.00	23.12 -1.27 0.00	26.60 -1.55 0.00	31.06 -1.70 0.00	38.15 -1.67 0.00	45.33 -1.40 0.00	45.06 -1.59 0.00	34.98 -0.90 0.00	26.97 -0.98 0.00	22.78 -0.43 -0.47
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	28.33 -1.24 0.00	25.24 -1.02 0.00	23.63 -1.51 0.00	23.46 -1.60 0.00	23.78 -1.60 0.00	26.78 -1.44 0.00	34.71 -2.26 0.00	36.01 -2.42 0.00	31.28 -1.51 0.00	25.98 -1.48 0.00	23.04 -1.16 0.00	21.66 -1.36 0.00	21.41 -1.44 0.00	22.15 -1.51 0.00	21.71 -1.79 0.00	22.29 -2.10 0.00	25.42 -2.73 0.00	29.26 -3.51 0.00	35.52 -4.30 0.00	41.60 -5.14 0.00	41.14 -5.50 0.00	32.40 -3.48 0.00	25.24 -2.71 0.00	21.47 -1.71 -0.43



SAWYER___23_KV_LOAD 55526	28.33 -1.24 0.00	25.24 -1.02 0.00	23.63 -1.51 0.00	23.46 -1.60 0.00	23.78 -1.60 0.00	26.78 -1.44 0.00	34.71 -2.26 0.00	36.01 -2.42 0.00	31.28 -1.51 0.00	25.98 -1.48 0.00	23.04 -1.16 0.00	21.66 -1.36 0.00	21.41 -1.44 0.00	22.15 -1.51 0.00	21.71 -1.79 0.00	22.29 -2.10 0.00	25.42 -2.73 0.00	29.26 -3.51 0.00	35.52 -4.30 0.00	41.60 -5.14 0.00	41.14 -5.50 0.00	32.40 -3.48 0.00	25.24 -2.71 0.00	21.47 -1.71 -0.43
SELKIRK___I 23801	30.40 0.83 0.00	26.97 0.71 0.00	25.86 0.73 0.00	25.79 0.73 0.00	26.08 0.71 0.00	28.98 0.76 0.00	37.93 0.96 0.00	39.31 0.88 0.00	33.45 0.66 0.00	28.05 0.58 0.00	24.62 0.41 0.00	23.43 0.41 0.00	23.28 0.43 0.00	24.09 0.43 0.00	23.96 0.47 0.00	24.95 0.56 0.00	28.91 0.76 0.00	33.63 1.08 0.22	36.92 1.35 4.25	43.05 1.59 5.28	42.99 1.63 5.28	30.17 1.33 7.04	20.68 1.15 8.42	26.56 0.89 -2.93
SELKIRK___II 23799	30.28 0.71 0.00	26.87 0.60 0.00	25.76 0.63 0.00	25.69 0.63 0.00	25.98 0.61 0.00	28.86 0.65 0.00	37.78 0.81 0.00	39.27 0.84 0.00	33.51 0.72 0.00	28.15 0.69 0.00	24.74 0.53 0.00	23.59 0.58 0.00	23.42 0.57 0.00	24.23 0.57 0.00	24.10 0.61 0.00	25.09 0.71 0.00	29.05 0.90 0.00	33.72 1.21 0.26	36.17 1.39 5.04	42.01 1.54 6.27	41.96 1.59 6.27	28.81 1.29 8.36	19.10 1.15 10.00	26.56 0.89 -2.93
SENECA OSWGO___HYD 24041	29.07 -0.50 0.00	25.84 -0.42 0.00	24.68 -0.45 0.00	24.58 -0.48 0.00	24.89 -0.48 0.00	27.76 -0.45 0.00	36.38 -0.59 0.00	37.89 -0.54 0.00	32.30 -0.49 0.00	27.00 -0.47 0.00	23.82 -0.39 0.00	22.62 -0.39 0.00	22.46 -0.39 0.00	23.24 -0.43 0.00	23.07 -0.42 0.00	23.90 -0.49 0.00	27.55 -0.59 0.00	31.91 -0.85 0.00	38.86 -0.96 0.00	45.75 -0.98 0.00	45.62 -1.03 0.00	35.12 -0.76 0.00	27.33 -0.62 0.00	22.53 -0.43 -0.22
SENECA___115KV_TB3 355854	28.57 -1.01 0.00	25.45 -0.81 0.00	23.88 -1.26 0.00	23.71 -1.35 0.00	24.03 -1.34 0.00	27.06 -1.16 0.00	35.12 -1.85 0.00	36.35 -2.08 0.00	31.58 -1.21 0.00	26.18 -1.29 0.00	23.21 -0.99 0.00	21.79 -1.22 0.00	21.57 -1.28 0.00	22.32 -1.35 0.00	21.87 -1.62 0.00	22.44 -1.95 0.00	25.58 -2.56 0.00	29.52 -3.24 0.00	35.84 -3.98 0.00	42.02 -4.72 0.00	41.56 -5.08 0.00	32.68 -3.19 0.00	25.38 -2.57 0.00	21.53 -1.66 -0.45
SENECA___ENERGY 23797	29.28 -0.30 0.00	26.05 -0.21 0.00	24.78 -0.35 0.00	24.68 -0.38 0.00	25.02 -0.36 0.00	27.99 -0.23 0.00	36.67 -0.30 0.00	37.85 -0.58 0.00	32.57 -0.23 0.00	27.08 -0.38 0.00	23.84 -0.36 0.00	22.58 -0.44 0.00	22.33 -0.52 0.00	23.14 -0.52 0.00	22.88 -0.61 0.00	23.68 -0.71 0.00	27.27 -0.87 0.00	31.72 -1.05 0.00	38.66 -1.16 0.00	45.52 -1.22 0.00	45.29 -1.35 0.00	35.05 -0.82 0.00	27.20 -0.75 0.00	22.46 -0.64 -0.35
SHOEMAKER___GT 23640	30.67 1.09 0.00	27.16 0.89 0.00	26.06 0.93 0.00	25.94 0.88 0.00	26.24 0.86 0.00	29.12 0.90 0.00	38.15 1.18 0.00	39.69 1.27 0.00	34.01 1.21 0.00	28.57 1.10 0.00	25.15 0.94 0.00	23.98 0.97 0.00	23.83 0.98 0.00	24.68 1.02 0.00	24.53 1.03 0.00	25.53 1.15 0.00	29.52 1.38 0.00	34.46 1.67 -0.02	42.19 1.95 -0.42	49.55 2.29 -0.52	49.50 2.33 -0.52	38.33 1.76 -0.70	30.24 1.45 -0.83	26.27 1.18 -2.35
SHOEMAKR_138KV_BK 111 55601	30.69 1.12 0.00	27.16 0.89 0.00	26.06 0.93 0.00	25.94 0.88 0.00	26.24 0.86 0.00	29.12 0.90 0.00	38.15 1.18 0.00	39.66 1.23 0.00	34.04 1.25 0.00	28.59 1.13 0.00	25.17 0.97 0.00	24.00 0.99 0.00	23.86 1.01 0.00	24.71 1.04 0.00	24.55 1.06 0.00	25.51 1.12 0.00	29.47 1.32 0.00	34.46 1.67 -0.02	42.19 1.95 -0.42	49.54 2.29 -0.52	49.54 2.38 -0.52	38.32 1.76 -0.69	30.26 1.48 -0.83	26.25 1.18 -2.33
SHOREHAM_IC_1 23715	31.79 2.22 0.00	28.05 1.79 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.92 1.55 0.00	29.60 1.38 0.00	37.82 0.85 0.00	39.50 1.07 0.00	33.81 1.02 0.00	28.65 1.18 0.00	25.66 1.45 0.00	24.81 1.80 0.00	24.86 2.01 0.00	25.60 1.94 0.00	25.75 2.26 0.00	26.75 2.36 0.00	31.05 2.90 -0.01	35.78 2.78 -0.23	43.42 3.07 -0.53	51.04 3.65 -0.66	51.17 3.87 -0.66	40.27 3.52 -0.87	31.44 2.46 -1.03	27.13 1.82 -2.58
SHOREHAM_IC_2 23716	31.79 2.22 0.00	28.05 1.79 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.92 1.55 0.00	29.60 1.38 0.00	37.82 0.85 0.00	39.50 1.07 0.00	33.81 1.02 0.00	28.65 1.18 0.00	25.66 1.45 0.00	24.81 1.80 0.00	24.86 2.01 0.00	25.60 1.94 0.00	25.75 2.26 0.00	26.75 2.36 0.00	31.05 2.90 -0.01	35.78 2.78 -0.23	43.42 3.07 -0.53	51.04 3.65 -0.66	51.17 3.87 -0.66	40.27 3.52 -0.87	31.44 2.46 -1.03	27.13 1.82 -2.58
SISSONVILLE____ 23735	28.83 -0.74 0.00	25.69 -0.58 0.00	24.50 -0.63 0.00	24.61 -0.45 0.00	24.97 -0.41 0.00	27.74 -0.48 0.00	36.23 -0.74 0.00	37.66 -0.77 0.00	31.74 -1.05 0.00	26.56 -0.91 0.00	23.38 -0.82 0.00	22.16 -0.85 0.00	22.00 -0.85 0.00	22.79 -0.88 0.00	22.65 -0.85 0.00	23.53 -0.85 0.00	27.22 -0.93 0.00	31.91 -0.85 0.00	39.14 -0.68 0.00	45.71 -1.03 0.00	45.57 -1.07 0.00	34.94 -0.93 0.00	26.94 -1.01 0.00	21.88 -0.91 -0.05
SITHE_IND_GS1 24169	28.71 -0.86 0.00	25.53 -0.74 0.00	24.40 -0.73 0.00	24.31 -0.75 0.00	24.61 -0.76 0.00	27.43 -0.79 0.00	35.90 -1.07 0.00	37.35 -1.08 0.00	31.88 -0.92 0.00	26.67 -0.80 0.00	23.58 -0.63 0.00	22.39 -0.62 0.00	22.21 -0.64 0.00	23.00 -0.66 0.00	22.84 -0.66 0.00	23.66 -0.73 0.00	27.22 -0.93 0.00	31.52 -1.25 0.00	38.27 -1.55 0.00	45.01 -1.73 0.00	44.87 -1.77 0.00	34.51 -1.36 0.00	26.94 -1.01 0.00	22.16 -0.75 -0.17
SITHE_IND_GS2 24170	28.71 -0.86 0.00	25.53 -0.74 0.00	24.40 -0.73 0.00	24.31 -0.75 0.00	24.61 -0.76 0.00	27.43 -0.79 0.00	35.90 -1.07 0.00	37.35 -1.08 0.00	31.88 -0.92 0.00	26.67 -0.80 0.00	23.58 -0.63 0.00	22.39 -0.62 0.00	22.21 -0.64 0.00	23.00 -0.66 0.00	22.84 -0.66 0.00	23.66 -0.73 0.00	27.22 -0.93 0.00	31.52 -1.25 0.00	38.27 -1.55 0.00	45.01 -1.73 0.00	44.87 -1.77 0.00	34.51 -1.36 0.00	26.94 -1.01 0.00	22.16 -0.75 -0.17
SITHE_IND_GS3 24171	28.71 -0.86 0.00	25.53 -0.74 0.00	24.40 -0.73 0.00	24.31 -0.75 0.00	24.61 -0.76 0.00	27.43 -0.79 0.00	35.90 -1.07 0.00	37.35 -1.08 0.00	31.88 -0.92 0.00	26.67 -0.80 0.00	23.58 -0.63 0.00	22.39 -0.62 0.00	22.21 -0.64 0.00	23.00 -0.66 0.00	22.84 -0.66 0.00	23.66 -0.73 0.00	27.22 -0.93 0.00	31.52 -1.25 0.00	38.27 -1.55 0.00	45.01 -1.73 0.00	44.87 -1.77 0.00	34.51 -1.36 0.00	26.94 -1.01 0.00	22.16 -0.75 -0.17
SITHE_IND_GS4 24172	28.71 -0.86 0.00	25.53 -0.74 0.00	24.40 -0.73 0.00	24.31 -0.75 0.00	24.61 -0.76 0.00	27.43 -0.79 0.00	35.90 -1.07 0.00	37.35 -1.08 0.00	31.88 -0.92 0.00	26.67 -0.80 0.00	23.58 -0.63 0.00	22.39 -0.62 0.00	22.21 -0.64 0.00	23.00 -0.66 0.00	22.84 -0.66 0.00	23.66 -0.73 0.00	27.22 -0.93 0.00	31.52 -1.25 0.00	38.27 -1.55 0.00	45.01 -1.73 0.00	44.87 -1.77 0.00	34.51 -1.36 0.00	26.94 -1.01 0.00	22.16 -0.75 -0.17



SITHE___BATAVIA 24024	28.74 -0.83 0.00	25.69 -0.58 0.00	24.10 -1.03 0.00	23.93 -1.13 0.00	24.28 -1.09 0.00	27.40 -0.82 0.00	35.53 -1.44 0.00	36.35 -2.08 0.00	31.97 -0.82 0.00	26.45 -1.02 0.00	23.26 -0.94 0.00	21.98 -1.04 0.00	21.52 -1.33 0.00	22.46 -1.21 0.00	21.99 -1.50 0.00	22.61 -1.78 0.00	25.84 -2.31 0.00	30.11 -2.65 0.00	36.51 -3.30 0.00	43.09 -3.65 0.00	42.77 -3.87 0.00	33.47 -2.40 0.00	25.99 -1.96 0.00	21.43 -1.71 -0.39
SITHE___INDEPEND 23800	28.71 -0.86 0.00	25.53 -0.74 0.00	24.40 -0.73 0.00	24.31 -0.75 0.00	24.61 -0.76 0.00	27.43 -0.79 0.00	35.90 -1.07 0.00	37.35 -1.08 0.00	31.88 -0.92 0.00	26.67 -0.80 0.00	23.58 -0.63 0.00	22.39 -0.62 0.00	22.23 -0.62 0.00	23.00 -0.66 0.00	22.84 -0.66 0.00	23.70 -0.68 0.00	27.30 -0.84 0.00	31.52 -1.25 0.00	38.27 -1.55 0.00	45.01 -1.73 0.00	44.87 -1.77 0.00	34.51 -1.36 0.00	26.92 -1.03 0.00	22.11 -0.80 -0.17
SITHE___MASSENA 23902	29.45 -0.12 0.00	26.21 -0.05 0.00	24.98 -0.15 0.00	25.06 0.00 0.00	25.40 0.03 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.47 0.04 0.00	32.57 -0.23 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.81 -0.21 0.00	22.67 -0.18 0.00	23.47 -0.19 0.00	23.30 -0.19 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.70 -0.07 0.00	39.94 0.12 0.00	46.55 -0.19 0.00	46.51 -0.14 0.00	35.73 -0.14 0.00	27.64 -0.31 0.00	22.44 -0.30 0.00
SITHE___OGDNSBRG 24021	29.57 0.00 0.00	26.32 0.05 0.00	25.11 -0.03 0.00	25.19 0.13 0.00	25.58 0.20 0.00	28.41 0.20 0.00	37.27 0.30 0.00	38.66 0.23 0.00	32.50 -0.30 0.00	27.11 -0.36 0.00	23.84 -0.36 0.00	22.60 -0.41 0.00	22.44 -0.41 0.00	23.26 -0.40 0.00	23.12 -0.38 0.00	24.05 -0.34 0.00	27.81 -0.34 0.00	32.64 -0.13 0.00	40.14 0.32 0.00	46.97 0.23 0.00	46.83 0.19 0.00	35.91 0.04 0.00	27.70 -0.25 0.00	22.44 -0.30 0.00
SITHE___STERLING 23777	30.04 0.47 0.00	26.74 0.47 0.00	25.56 0.43 0.00	25.51 0.45 0.00	25.91 0.53 0.00	28.86 0.65 0.00	37.89 0.92 0.00	39.43 1.00 0.00	33.42 0.62 0.00	27.77 0.30 0.00	24.42 0.22 0.00	23.20 0.18 0.00	22.96 0.11 0.00	23.83 0.17 0.00	23.61 0.12 0.00	24.53 0.15 0.00	28.40 0.25 0.00	33.13 0.36 0.00	40.61 0.80 0.00	48.00 1.26 0.00	47.72 1.07 0.00	36.59 0.72 0.00	28.42 0.47 0.00	23.25 0.34 -0.17
SLEIGHT__34_KV_TB1 80719	28.89 -0.68 0.00	25.77 -0.50 0.00	24.43 -0.70 0.00	24.31 -0.75 0.00	24.64 -0.74 0.00	27.62 -0.59 0.00	36.08 -0.89 0.00	37.43 -1.00 0.00	32.20 -0.59 0.00	26.78 -0.69 0.00	23.65 -0.56 0.00	22.32 -0.69 0.00	22.05 -0.80 0.00	22.86 -0.80 0.00	22.48 -1.01 0.00	23.27 -1.12 0.00	26.74 -1.41 0.00	31.06 -1.70 0.00	37.71 -2.11 0.00	44.45 -2.29 0.00	44.22 -2.43 0.00	34.33 -1.54 0.00	26.66 -1.29 0.00	22.35 -0.73 -0.34
SOUTH CAIRO___GT 23612	30.78 1.21 0.00	27.34 1.08 0.00	26.21 1.08 0.00	26.14 1.08 0.00	26.47 1.09 0.00	29.48 1.27 0.00	38.74 1.77 0.00	40.08 1.65 0.00	33.94 1.15 0.00	28.26 0.80 0.00	24.74 0.53 0.00	23.45 0.44 0.00	23.26 0.41 0.00	24.07 0.40 0.00	23.96 0.47 0.00	24.95 0.56 0.00	29.07 0.93 0.00	34.29 1.77 0.25	37.32 2.35 4.84	43.71 2.99 6.02	43.56 2.94 6.02	30.08 2.22 8.02	20.23 1.87 9.60	26.76 1.21 -2.82
SOUTH HAMPTN___IC 23720	31.79 2.22 0.00	28.03 1.76 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.90 1.52 0.00	29.63 1.41 0.00	37.97 1.00 0.00	39.66 1.23 0.00	33.94 1.15 0.00	28.73 1.26 0.00	25.68 1.48 0.00	24.83 1.82 0.00	24.88 2.03 0.00	25.67 2.01 0.00	25.84 2.35 0.00	26.90 2.51 0.00	31.20 3.04 -0.01	36.08 3.08 -0.23	43.73 3.38 -0.53	51.41 4.02 -0.66	51.50 4.20 -0.66	40.34 3.59 -0.87	31.44 2.46 -1.03	27.16 1.84 -2.58
SOUTHDOW_115KV_TB1 355954	29.90 0.33 0.00	26.66 0.39 0.00	25.06 -0.08 0.00	24.91 -0.15 0.00	25.27 -0.10 0.00	28.41 0.20 0.00	37.15 0.18 0.00	38.24 -0.19 0.00	33.15 0.36 0.00	27.36 -0.11 0.00	24.21 0.00 0.00	22.69 -0.32 0.00	22.55 -0.30 0.00	23.29 -0.38 0.00	22.84 -0.66 0.00	23.34 -1.05 0.00	26.54 -1.60 0.00	30.70 -2.06 0.00	37.39 -2.43 0.00	43.75 -2.99 0.00	42.91 -3.73 0.00	33.54 -2.33 0.00	25.80 -2.15 0.00	21.65 -1.57 -0.48
SOUTHOLD_69_KV_BK 2 55809	31.46 1.89 0.00	27.87 1.60 0.00	26.67 1.53 0.00	26.54 1.48 0.00	26.75 1.37 0.00	29.12 0.90 0.00	37.82 0.85 0.00	39.39 0.96 0.00	33.84 1.05 0.00	28.62 1.15 0.00	25.20 0.99 0.00	24.76 1.75 0.00	24.82 1.97 0.00	25.70 2.04 0.00	25.91 2.42 0.00	26.97 2.59 0.00	31.28 3.12 -0.01	36.24 3.24 -0.23	43.97 3.62 -0.53	51.69 4.30 -0.66	51.64 4.34 -0.66	40.26 3.52 -0.87	31.27 2.29 -1.03	27.02 1.71 -2.58
SOUTHOLD___IC 23719	31.61 2.04 0.00	27.87 1.60 0.00	26.72 1.58 0.00	26.59 1.53 0.00	26.74 1.37 0.00	29.51 1.30 0.00	37.82 0.85 0.00	39.58 1.15 0.00	33.84 1.05 0.00	28.62 1.15 0.00	25.54 1.33 0.00	24.76 1.75 0.00	24.82 1.97 0.00	25.70 2.04 0.00	25.91 2.42 0.00	27.02 2.63 0.00	31.36 3.21 -0.01	36.27 3.28 -0.23	43.97 3.62 -0.53	51.69 4.30 -0.66	51.69 4.38 -0.66	40.27 3.52 -0.87	31.25 2.26 -1.03	27.04 1.73 -2.58
SOUTH_FORK_WT_PWR 323839	31.29 1.71 0.00	27.58 1.31 0.00	26.46 1.33 0.00	26.31 1.25 0.00	26.47 1.09 0.00	29.20 0.99 0.00	37.41 0.45 0.00	39.20 0.77 0.00	33.51 0.72 0.00	28.37 0.91 0.00	25.27 1.06 0.00	24.56 1.54 0.00	24.63 1.78 0.00	25.56 1.89 0.00	25.80 2.30 0.00	26.95 2.56 0.00	31.25 3.10 -0.01	36.11 3.11 -0.23	43.73 3.38 -0.53	51.36 3.97 -0.66	51.32 4.01 -0.66	39.91 3.16 -0.87	30.88 1.90 -1.03	26.82 1.50 -2.58
SPIERFLS_115KV_TB 1 80737	31.17 1.60 0.00	27.66 1.39 0.00	26.47 1.33 0.00	26.39 1.33 0.00	26.72 1.34 0.00	29.82 1.61 0.00	39.15 2.18 0.00	40.70 2.27 0.00	34.50 1.71 0.00	28.76 1.29 0.00	25.20 0.99 0.00	23.80 0.78 0.00	23.63 0.78 0.00	24.45 0.78 0.00	24.34 0.85 0.00	25.36 0.98 0.00	29.50 1.35 0.00	34.33 1.25 -0.32	47.63 1.55 -6.26	56.61 2.10 -7.77	56.62 2.19 -7.78	47.79 1.54 -10.37	41.55 1.20 -12.40	27.09 0.96 -3.40
ST LAWRENCE____ 23600	29.16 -0.41 0.00	25.92 -0.34 0.00	24.78 -0.35 0.00	24.78 -0.28 0.00	25.12 -0.25 0.00	27.91 -0.31 0.00	36.60 -0.37 0.00	38.08 -0.35 0.00	32.33 -0.46 0.00	27.14 -0.33 0.00	23.92 -0.29 0.00	22.69 -0.32 0.00	22.53 -0.32 0.00	23.33 -0.33 0.00	23.16 -0.33 0.00	24.10 -0.29 0.00	27.81 -0.34 0.00	32.47 -0.30 0.00	39.54 -0.28 0.00	46.27 -0.47 0.00	46.22 -0.42 0.00	35.45 -0.43 0.00	27.47 -0.48 0.00	22.31 -0.43 0.00
STATE_CA_115KV_115_LB 55624	30.34 0.77 0.00	26.90 0.63 0.00	25.81 0.68 0.00	25.71 0.65 0.00	26.01 0.63 0.00	28.92 0.71 0.00	37.86 0.89 0.00	39.27 0.85 0.00	33.68 0.89 0.00	28.32 0.85 0.00	24.84 0.63 0.00	23.66 0.64 0.00	23.47 0.62 0.00	24.28 0.62 0.00	24.17 0.68 0.00	25.17 0.78 0.00	29.13 0.99 0.00	34.49 1.51 -0.22	45.85 1.71 -4.32	53.97 1.87 -5.37	53.93 1.91 -5.37	44.65 1.61 -7.16	37.94 1.43 -8.56	27.08 1.07 -3.27



STATE_ST_34_KV_LOAD 55959	29.51 -0.06 0.00	26.24 -0.03 0.00	25.03 -0.10 0.00	24.93 -0.13 0.00	25.25 -0.13 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.35 -0.08 0.00	32.73 -0.07 0.00	27.30 -0.16 0.00	24.06 -0.15 0.00	22.81 -0.21 0.00	22.60 -0.25 0.00	23.38 -0.28 0.00	23.16 -0.33 0.00	24.07 -0.32 0.00	27.75 -0.39 0.00	32.21 -0.56 0.00	39.22 -0.60 0.00	46.22 -0.51 0.00	46.09 -0.56 0.00	35.52 -0.36 0.00	27.56 -0.39 0.00	22.84 -0.25 -0.35
STATION 5_MISC_HYD 23604	28.86 -0.71 0.00	25.74 -0.53 0.00	24.30 -0.83 0.00	24.16 -0.90 0.00	24.49 -0.89 0.00	27.51 -0.70 0.00	35.79 -1.18 0.00	36.62 -1.81 0.00	32.10 -0.69 0.00	26.67 -0.80 0.00	23.50 -0.70 0.00	22.25 -0.76 0.00	21.82 -1.03 0.00	22.79 -0.88 0.00	22.34 -1.15 0.00	23.02 -1.37 0.00	26.40 -1.75 0.00	30.70 -2.06 0.00	37.19 -2.63 0.00	43.74 -2.99 0.00	43.52 -3.12 0.00	33.90 -1.97 0.00	26.38 -1.56 0.00	21.77 -1.32 -0.35
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	29.07 -0.50 0.00	25.92 -0.34 0.00	24.56 -0.58 0.00	24.43 -0.63 0.00	24.77 -0.61 0.00	27.76 -0.45 0.00	36.23 -0.74 0.00	37.54 -0.88 0.00	32.37 -0.43 0.00	26.86 -0.60 0.00	23.72 -0.48 0.00	22.39 -0.62 0.00	22.12 -0.73 0.00	22.93 -0.73 0.00	22.55 -0.94 0.00	23.31 -1.07 0.00	26.82 -1.32 0.00	31.16 -1.61 0.00	37.87 -1.95 0.00	44.59 -2.15 0.00	44.36 -2.29 0.00	34.44 -1.44 0.00	26.75 -1.20 0.00	22.43 -0.66 -0.35
STA_56_34_KV_BUS2_REV_LBMP_B 345033	28.71 -0.86 0.00	25.61 -0.66 0.00	24.20 -0.93 0.00	24.06 -1.00 0.00	24.39 -0.99 0.00	27.40 -0.82 0.00	35.64 -1.33 0.00	36.97 -1.46 0.00	31.97 -0.82 0.00	26.56 -0.91 0.00	23.50 -0.70 0.00	22.19 -0.83 0.00	21.87 -0.98 0.00	22.69 -0.97 0.00	22.27 -1.22 0.00	22.97 -1.41 0.00	26.37 -1.77 0.00	30.60 -2.16 0.00	37.07 -2.75 0.00	43.65 -3.08 0.00	43.43 -3.22 0.00	33.83 -2.04 0.00	26.30 -1.65 0.00	22.18 -0.91 -0.35
STA_56___34_KV_BUS2 355983	28.71 -0.86 0.00	25.61 -0.66 0.00	24.20 -0.93 0.00	24.06 -1.00 0.00	24.39 -0.99 0.00	27.40 -0.82 0.00	35.64 -1.33 0.00	36.97 -1.46 0.00	31.97 -0.82 0.00	26.56 -0.91 0.00	23.50 -0.70 0.00	22.19 -0.83 0.00	21.87 -0.98 0.00	22.69 -0.97 0.00	22.27 -1.22 0.00	22.97 -1.41 0.00	26.37 -1.77 0.00	30.60 -2.16 0.00	37.07 -2.75 0.00	43.65 -3.08 0.00	43.43 -3.22 0.00	33.83 -2.04 0.00	26.30 -1.65 0.00	22.18 -0.91 -0.35
STA_67___115KV_BK2 355882	28.80 -0.77 0.00	25.69 -0.58 0.00	24.25 -0.88 0.00	24.11 -0.95 0.00	24.44 -0.94 0.00	27.45 -0.76 0.00	35.71 -1.26 0.00	37.05 -1.38 0.00	32.04 -0.75 0.00	26.62 -0.85 0.00	23.55 -0.65 0.00	22.21 -0.81 0.00	21.91 -0.94 0.00	22.74 -0.92 0.00	22.30 -1.20 0.00	23.00 -1.39 0.00	26.40 -1.75 0.00	30.60 -2.16 0.00	37.07 -2.75 0.00	43.65 -3.08 0.00	43.38 -3.27 0.00	33.83 -2.04 0.00	26.33 -1.62 0.00	22.22 -0.86 -0.35
STA_7___115KV_9TRANS 80674	28.95 -0.62 0.00	25.85 -0.42 0.00	24.38 -0.75 0.00	24.26 -0.80 0.00	24.59 -0.79 0.00	27.62 -0.59 0.00	35.93 -1.04 0.00	37.28 -1.15 0.00	32.24 -0.56 0.00	26.78 -0.69 0.00	23.70 -0.51 0.00	22.35 -0.67 0.00	22.03 -0.82 0.00	22.88 -0.78 0.00	22.44 -1.06 0.00	23.14 -1.24 0.00	26.57 -1.58 0.00	30.83 -1.93 0.00	37.35 -2.47 0.00	44.03 -2.71 0.00	43.80 -2.85 0.00	34.12 -1.76 0.00	26.52 -1.43 0.00	22.36 -0.73 -0.35
STA_82___115KV_TB1 80780	28.80 -0.77 0.00	25.69 -0.58 0.00	24.25 -0.88 0.00	24.11 -0.95 0.00	24.44 -0.94 0.00	27.45 -0.76 0.00	35.71 -1.26 0.00	37.05 -1.38 0.00	32.04 -0.75 0.00	26.64 -0.82 0.00	23.55 -0.65 0.00	22.23 -0.78 0.00	21.91 -0.94 0.00	22.74 -0.92 0.00	22.30 -1.20 0.00	23.00 -1.39 0.00	26.40 -1.75 0.00	30.60 -2.16 0.00	37.11 -2.71 0.00	43.65 -3.08 0.00	43.43 -3.22 0.00	33.83 -2.04 0.00	26.33 -1.62 0.00	22.22 -0.86 -0.35
STEEL___WIND 323596	28.57 -1.01 0.00	25.45 -0.81 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.00 -1.37 0.00	27.03 -1.18 0.00	35.12 -1.85 0.00	35.78 -2.65 0.00	31.55 -1.25 0.00	26.18 -1.29 0.00	23.07 -1.14 0.00	21.77 -1.24 0.00	21.41 -1.44 0.00	22.29 -1.37 0.00	21.85 -1.65 0.00	22.41 -1.97 0.00	25.50 -2.65 0.00	29.52 -3.24 0.00	35.84 -3.98 0.00	41.97 -4.77 0.00	41.51 -5.13 0.00	32.65 -3.23 0.00	25.38 -2.57 0.00	20.89 -2.30 -0.45
STEPHTWN_115KV_BK_2 55603	30.46 0.89 0.00	27.03 0.76 0.00	25.91 0.78 0.00	25.81 0.75 0.00	26.11 0.74 0.00	29.06 0.85 0.00	38.08 1.11 0.00	39.54 1.11 0.00	33.84 1.05 0.00	28.43 0.96 0.00	24.93 0.73 0.00	23.73 0.71 0.00	23.54 0.69 0.00	24.35 0.69 0.00	24.25 0.75 0.00	25.24 0.85 0.00	29.27 1.13 0.00	33.95 1.67 0.49	32.21 1.95 9.56	37.06 2.20 11.87	37.00 2.24 11.89	21.91 1.87 15.83	10.63 1.62 18.94	26.72 1.18 -2.80
STEUBEN_REC_LFGE 323667	29.36 -0.21 0.00	26.24 -0.03 0.00	24.86 -0.28 0.00	24.78 -0.28 0.00	25.17 -0.20 0.00	28.36 0.14 0.00	37.08 0.11 0.00	38.20 -0.23 0.00	32.86 0.07 0.00	27.08 -0.38 0.00	23.84 -0.36 0.00	22.39 -0.62 0.00	22.16 -0.69 0.00	22.91 -0.76 0.00	22.53 -0.96 0.00	23.22 -1.17 0.00	26.63 -1.52 0.00	30.93 -1.83 0.00	37.91 -1.91 0.00	44.68 -2.06 0.00	44.08 -2.57 0.00	34.15 -1.72 0.00	26.16 -1.79 0.00	22.28 -1.05 -0.58
STILLWATER___SOLAR 323814	31.05 1.48 0.00	27.55 1.29 0.00	26.39 1.26 0.00	26.31 1.25 0.00	26.62 1.24 0.00	29.63 1.41 0.00	38.89 1.92 0.00	40.39 1.96 0.00	34.30 1.51 0.00	28.67 1.21 0.00	25.13 0.92 0.00	23.80 0.78 0.00	23.65 0.80 0.00	24.47 0.81 0.00	24.36 0.87 0.00	25.41 1.02 0.00	29.55 1.41 0.00	34.81 1.70 -0.34	48.56 2.11 -6.63	57.59 2.62 -8.23	57.59 2.70 -8.24	48.90 2.04 -10.98	42.70 1.62 -13.13	27.43 1.30 -3.40
STONY___BROOK 24151	31.88 2.31 0.00	28.10 1.84 0.00	26.94 1.81 0.00	26.81 1.75 0.00	27.00 1.63 0.00	29.88 1.66 0.00	38.56 1.59 0.00	40.24 1.81 0.00	34.50 1.70 0.00	29.09 1.62 0.00	25.95 1.74 0.00	24.99 1.98 0.00	24.93 2.08 0.00	25.77 2.11 0.00	25.80 2.30 0.00	26.90 2.51 0.00	31.20 3.04 -0.01	36.35 3.34 -0.24	44.09 3.74 -0.53	51.79 4.39 -0.66	51.88 4.57 -0.66	40.48 3.73 -0.87	31.72 2.74 -1.03	27.34 2.02 -2.58
STURGEON_POOL_HYD 23609	30.93 1.36 0.00	27.37 1.10 0.00	26.29 1.16 0.00	26.16 1.10 0.00	26.44 1.07 0.00	29.34 1.13 0.00	38.49 1.52 0.00	40.04 1.61 0.00	34.27 1.48 0.00	28.79 1.32 0.00	25.34 1.14 0.00	24.21 1.20 0.00	24.06 1.21 0.00	24.92 1.25 0.00	24.79 1.29 0.00	25.70 1.32 0.00	29.72 1.58 0.00	34.79 2.06 0.04	41.54 2.43 0.71	48.71 2.85 0.88	48.70 2.94 0.88	36.85 2.15 1.18	28.28 1.73 1.41	26.63 1.30 -2.59
ST_LAW_115_BK7_LBMP 345037	29.13 -0.44 0.00	25.92 -0.34 0.00	24.76 -0.38 0.00	24.78 -0.28 0.00	25.12 -0.25 0.00	27.88 -0.34 0.00	36.56 -0.41 0.00	38.08 -0.35 0.00	32.30 -0.49 0.00	27.08 -0.38 0.00	23.89 -0.32 0.00	22.67 -0.34 0.00	22.51 -0.34 0.00	23.31 -0.35 0.00	23.14 -0.35 0.00	24.07 -0.32 0.00	27.78 -0.37 0.00	32.44 -0.33 0.00	39.54 -0.28 0.00	46.22 -0.51 0.00	46.18 -0.47 0.00	35.41 -0.47 0.00	27.45 -0.50 0.00	22.28 -0.45 0.00



ST_LAW_115_BK8_LBMP 345038	29.13 -0.44 0.00	25.92 -0.34 0.00	24.76 -0.38 0.00	24.78 -0.28 0.00	25.12 -0.25 0.00	27.88 -0.34 0.00	36.56 -0.41 0.00	38.08 -0.35 0.00	32.30 -0.49 0.00	27.08 -0.38 0.00	23.89 -0.32 0.00	22.67 -0.34 0.00	22.51 -0.34 0.00	23.31 -0.35 0.00	23.14 -0.35 0.00	24.07 -0.32 0.00	27.78 -0.37 0.00	32.44 -0.33 0.00	39.54 -0.28 0.00	46.22 -0.51 0.00	46.18 -0.47 0.00	35.41 -0.47 0.00	27.45 -0.50 0.00	22.28 -0.45 0.00
ST_LAW_230_BK5_LBMP 345035	29.16 -0.41 0.00	25.92 -0.34 0.00	24.78 -0.35 0.00	24.78 -0.28 0.00	25.12 -0.25 0.00	27.91 -0.31 0.00	36.60 -0.37 0.00	38.08 -0.35 0.00	32.33 -0.46 0.00	27.14 -0.33 0.00	23.92 -0.29 0.00	22.69 -0.32 0.00	22.53 -0.32 0.00	23.33 -0.33 0.00	23.16 -0.33 0.00	24.10 -0.29 0.00	27.81 -0.34 0.00	32.47 -0.30 0.00	39.54 -0.28 0.00	46.27 -0.47 0.00	46.22 -0.42 0.00	35.45 -0.43 0.00	27.47 -0.48 0.00	22.31 -0.43 0.00
ST_LAW_230_BK6_LBMP 345036	29.16 -0.41 0.00	25.92 -0.34 0.00	24.78 -0.35 0.00	24.78 -0.28 0.00	25.12 -0.25 0.00	27.91 -0.31 0.00	36.60 -0.37 0.00	38.08 -0.35 0.00	32.33 -0.46 0.00	27.14 -0.33 0.00	23.92 -0.29 0.00	22.69 -0.32 0.00	22.53 -0.32 0.00	23.33 -0.33 0.00	23.16 -0.33 0.00	24.10 -0.29 0.00	27.81 -0.34 0.00	32.47 -0.30 0.00	39.54 -0.28 0.00	46.27 -0.47 0.00	46.22 -0.42 0.00	35.45 -0.43 0.00	27.47 -0.48 0.00	22.31 -0.43 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	30.84 1.27 0.00	27.29 1.02 0.00	26.19 1.06 0.00	26.06 1.00 0.00	26.36 0.99 0.00	29.26 1.04 0.00	38.30 1.33 0.00	39.85 1.42 0.00	34.24 1.44 0.00	28.79 1.32 0.00	25.34 1.14 0.00	24.19 1.17 0.00	24.04 1.19 0.00	24.89 1.23 0.00	24.74 1.25 0.00	25.70 1.32 0.00	29.69 1.55 0.00	34.72 1.93 -0.02	42.53 2.27 -0.44	49.90 2.62 -0.54	49.89 2.71 -0.54	38.64 2.04 -0.72	30.49 1.68 -0.87	26.48 1.34 -2.40
SWANROAD_115KV_TB1 355699	27.71 -1.86 0.00	24.72 -1.55 0.00	23.12 -2.01 0.00	22.95 -2.11 0.00	23.27 -2.11 0.00	26.24 -1.98 0.00	33.94 -3.03 0.00	35.24 -3.19 0.00	30.63 -2.16 0.00	25.46 -2.01 0.00	22.58 -1.62 0.00	21.22 -1.80 0.00	20.95 -1.90 0.00	21.68 -1.99 0.00	21.24 -2.26 0.00	21.80 -2.59 0.00	24.85 -3.29 0.00	28.64 -4.13 0.00	34.68 -5.14 0.00	40.66 -6.08 0.00	40.25 -6.39 0.00	31.71 -4.16 0.00	24.76 -3.19 0.00	21.11 -2.05 -0.42
SYNERGY___BIOGAS 323694	28.74 -0.83 0.00	25.69 -0.58 0.00	24.10 -1.03 0.00	23.96 -1.10 0.00	24.28 -1.09 0.00	27.40 -0.82 0.00	35.53 -1.44 0.00	36.93 -1.50 0.00	31.94 -0.85 0.00	26.45 -1.02 0.00	23.38 -0.82 0.00	21.98 -1.04 0.00	21.66 -1.19 0.00	22.46 -1.21 0.00	21.99 -1.50 0.00	22.63 -1.76 0.00	25.92 -2.22 0.00	30.08 -2.69 0.00	36.51 -3.30 0.00	43.09 -3.65 0.00	42.77 -3.87 0.00	33.47 -2.40 0.00	25.99 -1.96 0.00	22.04 -1.09 -0.39
SYRACUSE___ENERGY_ST1 323597	29.36 -0.21 0.00	26.13 -0.13 0.00	24.93 -0.20 0.00	24.86 -0.20 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.78 -0.18 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.84 -0.31 0.00	32.21 -0.56 0.00	39.18 -0.64 0.00	46.13 -0.61 0.00	45.99 -0.65 0.00	35.41 -0.47 0.00	27.53 -0.42 0.00	22.70 -0.32 -0.28
SYRACUSE___ENERGY_ST2 323598	29.36 -0.21 0.00	26.13 -0.13 0.00	24.93 -0.20 0.00	24.86 -0.20 0.00	25.15 -0.23 0.00	28.05 -0.17 0.00	36.78 -0.18 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.84 -0.31 0.00	32.21 -0.56 0.00	39.18 -0.64 0.00	46.13 -0.61 0.00	45.99 -0.65 0.00	35.41 -0.47 0.00	27.53 -0.42 0.00	22.70 -0.32 -0.28
SYRACUSE___POWER 24017	29.36 -0.21 0.00	26.11 -0.16 0.00	24.91 -0.23 0.00	24.83 -0.23 0.00	25.12 -0.25 0.00	28.02 -0.20 0.00	36.75 -0.22 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.04 -0.17 0.00	22.81 -0.21 0.00	22.64 -0.21 0.00	23.43 -0.24 0.00	23.26 -0.23 0.00	24.14 -0.24 0.00	27.86 -0.28 0.00	32.24 -0.52 0.00	39.22 -0.60 0.00	46.22 -0.51 0.00	46.09 -0.56 0.00	35.44 -0.43 0.00	27.56 -0.39 0.00	22.74 -0.30 -0.29
TALLMAN___138KV_BK151 55660	31.05 1.48 0.00	27.47 1.21 0.00	26.36 1.23 0.00	26.24 1.18 0.00	26.52 1.14 0.00	29.40 1.19 0.00	38.56 1.59 0.00	40.12 1.69 0.00	34.53 1.74 0.00	29.06 1.59 0.00	25.59 1.38 0.00	24.44 1.43 0.00	24.27 1.42 0.00	25.15 1.49 0.00	25.02 1.53 0.00	25.97 1.59 0.00	30.00 1.86 0.00	35.08 2.29 -0.02	42.92 2.63 -0.47	50.36 3.04 -0.58	50.40 3.17 -0.58	39.02 2.37 -0.78	30.84 1.96 -0.93	26.75 1.55 -2.46
TEALLAVE_115KV_TB7 355573	29.25 -0.33 0.00	26.00 -0.26 0.00	24.83 -0.30 0.00	24.73 -0.33 0.00	25.05 -0.33 0.00	27.93 -0.28 0.00	36.60 -0.37 0.00	38.12 -0.31 0.00	32.53 -0.26 0.00	27.19 -0.27 0.00	23.99 -0.22 0.00	22.76 -0.25 0.00	22.62 -0.23 0.00	23.40 -0.26 0.00	23.21 -0.28 0.00	24.12 -0.27 0.00	27.81 -0.34 0.00	32.18 -0.59 0.00	39.14 -0.68 0.00	46.08 -0.65 0.00	45.95 -0.70 0.00	35.34 -0.54 0.00	27.50 -0.45 0.00	22.65 -0.34 -0.25
TELGRAPH_34_KV_EAST 80808	28.36 -1.21 0.00	25.29 -0.97 0.00	23.70 -1.43 0.00	23.56 -1.50 0.00	23.88 -1.50 0.00	26.92 -1.30 0.00	34.90 -2.07 0.00	36.24 -2.19 0.00	31.42 -1.38 0.00	26.07 -1.40 0.00	23.09 -1.11 0.00	21.70 -1.31 0.00	21.41 -1.44 0.00	22.20 -1.47 0.00	21.73 -1.76 0.00	22.31 -2.07 0.00	25.50 -2.65 0.00	29.49 -3.28 0.00	35.76 -4.06 0.00	42.06 -4.67 0.00	41.65 -4.99 0.00	32.72 -3.16 0.00	25.46 -2.49 0.00	21.64 -1.50 -0.40
TEMPLE___115KV_TB 2 55572	29.28 -0.30 0.00	26.03 -0.24 0.00	24.86 -0.28 0.00	24.76 -0.30 0.00	25.07 -0.30 0.00	27.96 -0.25 0.00	36.60 -0.37 0.00	38.12 -0.31 0.00	32.56 -0.23 0.00	27.19 -0.27 0.00	24.01 -0.19 0.00	22.78 -0.23 0.00	22.62 -0.23 0.00	23.43 -0.24 0.00	23.23 -0.26 0.00	24.14 -0.24 0.00	27.81 -0.34 0.00	32.18 -0.59 0.00	39.14 -0.68 0.00	46.08 -0.65 0.00	45.95 -0.70 0.00	35.34 -0.54 0.00	27.50 -0.45 0.00	22.65 -0.34 -0.25
TIANA____69_KV_BK 1 55817	31.67 2.10 0.00	28.05 1.79 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.95 1.57 0.00	29.29 1.07 0.00	38.00 1.04 0.00	39.54 1.11 0.00	34.01 1.21 0.00	28.76 1.29 0.00	25.39 1.19 0.00	24.88 1.86 0.00	24.88 2.03 0.00	25.70 2.04 0.00	25.82 2.33 0.00	26.80 2.41 0.00	31.08 2.93 -0.01	36.01 3.01 -0.23	43.73 3.38 -0.53	51.41 4.02 -0.66	51.45 4.15 -0.66	40.37 3.62 -0.87	31.53 2.54 -1.03	27.16 1.84 -2.58
TILDEN___115KV_TB1 80814	29.36 -0.21 0.00	26.11 -0.16 0.00	24.91 -0.23 0.00	24.83 -0.23 0.00	25.12 -0.25 0.00	28.02 -0.20 0.00	36.75 -0.22 0.00	38.20 -0.23 0.00	32.60 -0.20 0.00	27.22 -0.25 0.00	24.04 -0.17 0.00	22.81 -0.21 0.00	22.64 -0.21 0.00	23.43 -0.24 0.00	23.26 -0.23 0.00	24.14 -0.24 0.00	27.86 -0.28 0.00	32.24 -0.52 0.00	39.22 -0.60 0.00	46.22 -0.51 0.00	46.09 -0.56 0.00	35.44 -0.43 0.00	27.56 -0.39 0.00	22.74 -0.30 -0.29



TRIGEN___CC 323695	31.52 1.95 0.00	27.87 1.60 0.00	26.69 1.56 0.00	26.54 1.48 0.00	26.82 1.45 0.00	29.65 1.44 0.00	38.74 1.77 0.00	40.27 1.84 0.00	34.73 1.93 0.00	29.20 1.73 0.00	25.80 1.60 0.00	24.88 1.86 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.54 2.04 0.00	26.58 2.19 0.00	30.69 2.53 -0.02	37.31 2.95 -1.60	43.74 3.38 -0.54	51.33 3.93 -0.66	51.37 4.06 -0.66	39.84 3.09 -0.88	31.47 2.49 -1.03	27.18 1.86 -2.58
TRINITY___115KV___4 BK 55933	30.28 0.71 0.00	26.87 0.60 0.00	25.76 0.63 0.00	25.66 0.60 0.00	25.96 0.58 0.00	28.86 0.65 0.00	37.78 0.81 0.00	39.20 0.77 0.00	33.65 0.85 0.00	28.29 0.82 0.00	24.81 0.61 0.00	23.66 0.64 0.00	23.44 0.59 0.00	24.28 0.62 0.00	24.17 0.68 0.00	25.17 0.78 0.00	29.13 0.99 0.00	34.29 1.51 -0.02	41.85 1.67 -0.36	49.00 1.82 -0.44	48.91 1.82 -0.44	38.08 1.61 -0.59	30.08 1.43 -0.70	26.93 1.07 -3.12
UNION___PROCESSING_DRP 323587	28.80 -0.77 0.00	25.69 -0.58 0.00	24.25 -0.88 0.00	24.13 -0.93 0.00	24.46 -0.91 0.00	27.45 -0.76 0.00	35.71 -1.26 0.00	37.05 -1.38 0.00	32.04 -0.75 0.00	26.64 -0.82 0.00	23.58 -0.63 0.00	22.23 -0.78 0.00	21.91 -0.94 0.00	22.74 -0.92 0.00	22.30 -1.20 0.00	23.00 -1.39 0.00	26.40 -1.75 0.00	30.60 -2.16 0.00	37.11 -2.71 0.00	43.65 -3.08 0.00	43.43 -3.22 0.00	33.87 -2.01 0.00	26.36 -1.59 0.00	22.23 -0.86 -0.35
UPPER HUDSON___HYD 24058	31.17 1.60 0.00	27.66 1.39 0.00	26.46 1.33 0.00	26.41 1.35 0.00	26.72 1.34 0.00	29.79 1.58 0.00	39.15 2.18 0.00	40.70 2.27 0.00	34.50 1.70 0.00	28.76 1.29 0.00	25.20 0.99 0.00	23.80 0.78 0.00	23.63 0.78 0.00	24.44 0.78 0.00	24.34 0.84 0.00	25.41 1.02 0.00	29.58 1.43 0.00	34.33 1.24 -0.32	47.63 1.55 -6.26	56.62 2.11 -7.77	56.62 2.19 -7.78	47.79 1.54 -10.37	41.52 1.17 -12.40	27.12 0.98 -3.40
UPPER RAQUET___HYD 24056	28.83 -0.74 0.00	25.69 -0.58 0.00	24.51 -0.63 0.00	24.61 -0.45 0.00	24.97 -0.41 0.00	27.74 -0.48 0.00	36.23 -0.74 0.00	37.74 -0.69 0.00	31.74 -1.05 0.00	26.56 -0.91 0.00	23.38 -0.82 0.00	22.16 -0.85 0.00	22.01 -0.84 0.00	22.79 -0.88 0.00	22.65 -0.84 0.00	23.58 -0.80 0.00	27.24 -0.90 0.00	31.91 -0.85 0.00	39.14 -0.68 0.00	45.71 -1.03 0.00	45.57 -1.07 0.00	34.94 -0.93 0.00	26.94 -1.01 0.00	21.90 -0.89 -0.05
VALLEY44_115KV_TB2 355964	28.74 -0.83 0.00	25.61 -0.66 0.00	24.10 -1.03 0.00	23.96 -1.10 0.00	24.26 -1.12 0.00	27.14 -1.07 0.00	35.38 -1.59 0.00	36.28 -2.15 0.00	31.65 -1.15 0.00	26.20 -1.26 0.00	23.17 -1.04 0.00	21.77 -1.24 0.00	21.55 -1.30 0.00	22.29 -1.37 0.00	21.90 -1.60 0.00	22.46 -1.93 0.00	25.64 -2.50 0.00	29.49 -3.28 0.00	35.96 -3.86 0.00	42.20 -4.53 0.00	41.70 -4.94 0.00	32.79 -3.09 0.00	25.46 -2.49 0.00	21.37 -1.86 -0.49
VALLEY___115KV_TB 1-4 80826	29.16 -0.41 0.00	25.92 -0.34 0.00	24.88 -0.25 0.00	24.83 -0.23 0.00	25.22 -0.15 0.00	28.05 -0.17 0.00	36.78 -0.18 0.00	38.27 -0.15 0.00	32.63 -0.16 0.00	27.33 -0.14 0.00	24.06 -0.15 0.00	22.88 -0.14 0.00	22.67 -0.18 0.00	23.50 -0.17 0.00	23.31 -0.19 0.00	24.22 -0.17 0.00	28.00 -0.14 0.00	32.64 -0.13 0.00	39.74 -0.08 0.00	46.78 0.05 0.00	46.65 0.00 0.00	35.80 -0.07 0.00	27.92 -0.03 0.00	22.67 -0.07 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	31.02 1.45 0.00	27.55 1.29 0.00	26.39 1.26 0.00	26.31 1.25 0.00	26.69 1.32 0.00	29.68 1.47 0.00	38.97 2.00 0.00	40.39 1.96 0.00	34.37 1.57 0.00	28.59 1.13 0.00	25.15 0.94 0.00	23.91 0.90 0.00	23.65 0.80 0.00	24.56 0.90 0.00	24.32 0.82 0.00	25.26 0.88 0.00	29.19 1.04 0.00	34.14 1.34 -0.03	42.35 1.95 -0.58	49.98 2.52 -0.72	49.84 2.47 -0.72	38.63 1.79 -0.97	30.50 1.40 -1.15	24.95 1.09 -1.12
VISCHER___FERRY HYD 24020	30.78 1.21 0.00	27.32 1.05 0.00	26.16 1.03 0.00	26.09 1.03 0.00	26.39 1.02 0.00	29.34 1.13 0.00	38.52 1.55 0.00	40.08 1.65 0.00	34.20 1.41 0.00	28.70 1.24 0.00	25.15 0.94 0.00	23.91 0.90 0.00	23.74 0.89 0.00	24.54 0.88 0.00	24.46 0.96 0.00	25.53 1.15 0.00	29.64 1.49 0.00	35.13 1.97 -0.40	49.94 2.31 -7.81	59.10 2.66 -9.70	59.06 2.70 -9.71	50.96 2.15 -12.94	45.18 1.76 -15.47	27.52 1.39 -3.40
V_A_10_SYNC_DSASP 323832	28.33 -1.24 0.00	25.24 -1.02 0.00	23.73 -1.41 0.00	23.56 -1.50 0.00	23.88 -1.50 0.00	26.86 -1.35 0.00	34.82 -2.15 0.00	35.59 -2.84 0.00	31.38 -1.41 0.00	26.12 -1.35 0.00	23.02 -1.19 0.00	21.79 -1.22 0.00	21.34 -1.51 0.00	22.27 -1.40 0.00	21.83 -1.67 0.00	22.46 -1.93 0.00	25.61 -2.53 0.00	29.62 -3.15 0.00	35.88 -3.94 0.00	42.06 -4.67 0.00	41.70 -4.95 0.00	32.75 -3.12 0.00	25.57 -2.38 0.00	21.17 -1.96 -0.38
V_CMM_10_SYNC_DSASP 323787	29.25 -0.32 0.00	26.03 -0.24 0.00	24.86 -0.28 0.00	24.89 -0.17 0.00	25.22 -0.15 0.00	27.99 -0.23 0.00	36.86 -0.11 0.00	38.39 -0.04 0.00	32.53 -0.26 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.83 -0.18 0.00	22.69 -0.16 0.00	23.47 -0.19 0.00	23.33 -0.16 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.70 -0.07 0.00	39.86 0.04 0.00	46.60 -0.14 0.00	46.55 -0.09 0.00	35.70 -0.18 0.00	27.64 -0.31 0.00	22.44 -0.30 0.00
V_CMP_10_SYNC_DSASP 323788	29.54 -0.03 0.00	26.32 0.05 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.58 0.20 0.00	28.41 0.20 0.00	37.38 0.41 0.00	38.93 0.50 0.00	32.99 0.20 0.00	28.05 0.58 0.00	24.74 0.53 0.00	23.13 0.12 0.00	22.96 0.11 0.00	23.71 0.05 0.00	23.56 0.07 0.00	24.51 0.12 0.00	28.32 0.17 0.00	33.16 0.39 0.00	40.54 0.72 0.00	47.48 0.75 0.00	47.39 0.74 0.00	36.20 0.32 0.00	27.89 -0.06 0.00	22.53 -0.21 0.00
V_D_10_SYNC_DSASP 323841	29.45 -0.12 0.00	26.21 -0.05 0.00	24.98 -0.15 0.00	25.06 0.00 0.00	25.40 0.03 0.00	28.19 -0.03 0.00	36.97 0.00 0.00	38.47 0.04 0.00	32.57 -0.23 0.00	27.30 -0.16 0.00	24.06 -0.14 0.00	22.83 -0.18 0.00	22.67 -0.18 0.00	23.47 -0.19 0.00	23.30 -0.19 0.00	24.24 -0.15 0.00	27.98 -0.17 0.00	32.70 -0.07 0.00	39.94 0.12 0.00	46.55 -0.19 0.00	46.51 -0.14 0.00	35.73 -0.14 0.00	27.64 -0.31 0.00	22.44 -0.30 0.00
V_E_10_SYNC_DSASP 323830	31.29 1.71 0.00	27.89 1.63 0.00	26.62 1.48 0.00	26.61 1.55 0.00	27.15 1.78 0.00	30.42 2.20 0.00	40.11 3.14 0.00	41.46 3.04 0.00	34.92 2.13 0.00	28.62 1.15 0.00	25.05 0.85 0.00	23.68 0.67 0.00	23.26 0.41 0.00	24.21 0.54 0.00	23.92 0.42 0.00	24.95 0.56 0.00	28.96 0.82 0.00	34.04 1.28 0.00	42.29 2.47 0.00	50.43 3.69 0.00	49.96 3.31 0.00	38.10 2.23 0.00	29.37 1.42 0.00	24.52 0.98 -0.80
V_F_30_NSYNC___DSASP 323816	31.08 1.51 0.00	27.55 1.29 0.00	26.39 1.26 0.00	26.31 1.25 0.00	26.64 1.27 0.00	29.65 1.44 0.00	38.93 1.96 0.00	40.43 2.00 0.00	34.34 1.54 0.00	28.70 1.24 0.00	25.15 0.94 0.00	23.84 0.83 0.00	23.67 0.82 0.00	24.49 0.83 0.00	24.39 0.89 0.00	25.43 1.05 0.00	29.58 1.43 0.00	34.80 1.70 -0.33	48.39 2.11 -6.46	57.38 2.62 -8.03	57.39 2.70 -8.04	48.63 2.04 -10.71	42.38 1.62 -12.81	27.43 1.30 -3.40



V_F_30_SYNC_DSASP 323786	30.34 0.77 0.00	26.90 0.63 0.00	25.79 0.65 0.00	25.71 0.65 0.00	26.01 0.63 0.00	28.92 0.71 0.00	37.86 0.89 0.00	39.27 0.85 0.00	33.68 0.89 0.00	28.29 0.82 0.00	24.84 0.63 0.00	23.66 0.64 0.00	23.44 0.59 0.00	24.28 0.62 0.00	24.17 0.68 0.00	25.17 0.78 0.00	29.13 0.99 0.00	34.44 1.47 -0.20	45.52 1.71 -3.99	53.56 1.87 -4.96	53.52 1.91 -4.96	44.10 1.61 -6.61	37.28 1.43 -7.91	27.06 1.07 -3.26
V_XM_10_SYNC_DSASP 323789	29.54 -0.03 0.00	26.32 0.05 0.00	25.11 -0.03 0.00	25.21 0.15 0.00	25.58 0.20 0.00	28.41 0.20 0.00	37.38 0.41 0.00	38.93 0.50 0.00	32.99 0.20 0.00	28.05 0.58 0.00	24.74 0.53 0.00	23.13 0.12 0.00	22.96 0.11 0.00	23.71 0.05 0.00	23.56 0.07 0.00	24.51 0.12 0.00	28.32 0.17 0.00	33.16 0.39 0.00	40.54 0.72 0.00	47.48 0.75 0.00	47.39 0.74 0.00	36.20 0.32 0.00	27.89 -0.06 0.00	22.53 -0.21 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	31.11 1.54 0.00	27.53 1.26 0.00	26.41 1.28 0.00	26.29 1.23 0.00	26.57 1.19 0.00	29.48 1.27 0.00	38.63 1.66 0.00	40.23 1.81 0.00	34.63 1.84 0.00	29.12 1.65 0.00	25.63 1.43 0.00	24.49 1.47 0.00	24.31 1.46 0.00	25.18 1.51 0.00	25.04 1.55 0.00	26.02 1.63 0.00	30.09 1.94 0.00	35.15 2.36 -0.02	43.04 2.75 -0.48	50.51 3.18 -0.59	50.55 3.31 -0.59	39.14 2.48 -0.79	30.91 2.01 -0.95	26.84 1.61 -2.48
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	31.35 1.77 0.00	27.71 1.44 0.00	26.59 1.46 0.00	26.46 1.40 0.00	26.75 1.37 0.00	29.68 1.47 0.00	38.93 1.96 0.00	40.54 2.11 0.00	34.96 2.16 0.00	29.47 2.01 0.00	25.95 1.74 0.00	24.85 1.84 0.00	24.66 1.81 0.00	25.56 1.89 0.00	25.40 1.90 0.00	26.39 2.00 0.00	30.43 2.28 0.00	35.58 2.79 -0.03	43.49 3.15 -0.52	50.98 3.60 -0.65	51.12 3.82 -0.65	39.54 2.80 -0.86	31.25 2.26 -1.03	27.11 1.80 -2.57
W50THST__13_KV_LOAD 356117	31.46 1.89 0.00	27.79 1.52 0.00	26.69 1.56 0.00	26.54 1.48 0.00	26.85 1.47 0.00	29.80 1.58 0.00	39.11 2.14 0.00	40.77 2.34 0.00	35.15 2.36 0.00	29.64 2.17 0.00	26.07 1.86 0.00	24.99 1.98 0.00	24.79 1.94 0.00	25.70 2.04 0.00	25.54 2.04 0.00	26.53 2.15 0.00	30.59 2.45 0.00	35.77 2.98 -0.03	43.68 3.34 -0.52	51.22 3.83 -0.65	51.35 4.06 -0.65	39.68 2.94 -0.86	31.36 2.38 -1.03	27.20 1.89 -2.57
WADING RIVER_IC_1 23522	31.79 2.22 0.00	28.03 1.76 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.92 1.55 0.00	29.57 1.35 0.00	37.75 0.78 0.00	39.47 1.04 0.00	33.75 0.95 0.00	28.62 1.15 0.00	25.63 1.43 0.00	24.81 1.80 0.00	24.86 2.01 0.00	25.60 1.94 0.00	25.75 2.26 0.00	26.75 2.36 0.00	31.03 2.87 -0.01	35.72 2.72 -0.23	43.37 3.02 -0.53	50.99 3.60 -0.66	51.08 3.78 -0.66	40.27 3.52 -0.87	31.41 2.43 -1.03	27.11 1.80 -2.58
WADING RIVER_IC_2 23547	31.79 2.22 0.00	28.03 1.76 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.92 1.55 0.00	29.57 1.35 0.00	37.75 0.78 0.00	39.47 1.04 0.00	33.75 0.95 0.00	28.62 1.15 0.00	25.63 1.43 0.00	24.81 1.80 0.00	24.86 2.01 0.00	25.60 1.94 0.00	25.75 2.26 0.00	26.75 2.36 0.00	31.03 2.87 -0.01	35.72 2.72 -0.23	43.37 3.02 -0.53	50.99 3.60 -0.66	51.08 3.78 -0.66	40.27 3.52 -0.87	31.41 2.43 -1.03	27.11 1.80 -2.58
WADING RIVER_IC_3 23601	31.79 2.22 0.00	28.03 1.76 0.00	26.89 1.76 0.00	26.76 1.70 0.00	26.92 1.55 0.00	29.57 1.35 0.00	37.75 0.78 0.00	39.47 1.04 0.00	33.75 0.95 0.00	28.62 1.15 0.00	25.63 1.43 0.00	24.81 1.80 0.00	24.86 2.01 0.00	25.60 1.94 0.00	25.75 2.26 0.00	26.75 2.36 0.00	31.03 2.87 -0.01	35.72 2.72 -0.23	43.37 3.02 -0.53	50.99 3.60 -0.66	51.08 3.78 -0.66	40.27 3.52 -0.87	31.41 2.43 -1.03	27.11 1.80 -2.58
WALDENNY_12_KV_BK2 80841	28.54 -1.03 0.00	25.42 -0.84 0.00	23.85 -1.28 0.00	23.68 -1.38 0.00	24.01 -1.37 0.00	27.03 -1.19 0.00	35.08 -1.89 0.00	36.35 -2.08 0.00	31.55 -1.25 0.00	26.18 -1.29 0.00	23.21 -0.99 0.00	21.79 -1.22 0.00	21.57 -1.28 0.00	22.32 -1.35 0.00	21.87 -1.62 0.00	22.44 -1.95 0.00	25.56 -2.59 0.00	29.49 -3.28 0.00	35.80 -4.02 0.00	41.97 -4.77 0.00	41.51 -5.13 0.00	32.65 -3.23 0.00	25.38 -2.57 0.00	21.53 -1.66 -0.45
WALDEN__HYDRO 24148	30.93 1.36 0.00	27.37 1.10 0.00	26.26 1.13 0.00	26.14 1.08 0.00	26.44 1.07 0.00	29.34 1.13 0.00	38.49 1.52 0.00	40.00 1.58 0.00	34.33 1.54 0.00	28.81 1.35 0.00	25.37 1.16 0.00	24.21 1.20 0.00	24.06 1.21 0.00	24.89 1.23 0.00	24.79 1.29 0.00	25.73 1.34 0.00	29.75 1.60 0.00	34.85 2.06 -0.02	42.60 2.43 -0.36	50.03 2.85 -0.44	50.03 2.94 -0.44	38.62 2.15 -0.59	30.42 1.76 -0.71	26.63 1.41 -2.48
WARRENSBURG____ 23737	31.17 1.60 0.00	27.66 1.39 0.00	26.47 1.33 0.00	26.39 1.33 0.00	26.72 1.34 0.00	29.82 1.61 0.00	39.15 2.18 0.00	40.70 2.27 0.00	34.50 1.71 0.00	28.76 1.29 0.00	25.20 0.99 0.00	23.80 0.78 0.00	23.63 0.78 0.00	24.45 0.78 0.00	24.34 0.85 0.00	25.36 0.98 0.00	29.50 1.35 0.00	34.33 1.25 -0.32	47.63 1.55 -6.26	56.61 2.10 -7.77	56.62 2.19 -7.78	47.79 1.54 -10.37	41.55 1.20 -12.40	27.09 0.96 -3.40
WATERSIDE____6 8 9 23538	31.50 1.92 -0.01	27.81 1.55 0.00	26.70 1.56 -0.01	26.57 1.50 -0.01	26.85 1.47 0.00	29.71 1.50 0.00	38.89 1.92 0.00	40.50 2.08 0.00	34.99 2.20 0.00	29.50 2.03 0.00	26.00 1.79 0.00	24.90 1.89 0.00	24.72 1.87 0.00	25.63 1.96 0.00	25.47 1.97 0.00	26.46 2.07 0.00	30.51 2.36 0.00	35.68 2.88 -0.03	43.53 3.19 -0.52	50.98 3.60 -0.65	51.07 3.78 -0.65	39.54 2.80 -0.86	31.27 2.29 -1.03	27.21 1.89 -2.58
WATKINRD_115KV_LN8_ILLION 55919	29.36 -0.21 0.00	26.08 -0.18 0.00	25.01 -0.13 0.00	24.96 -0.10 0.00	25.32 -0.05 0.00	28.16 -0.06 0.00	36.93 -0.04 0.00	38.39 -0.04 0.00	32.73 -0.07 0.00	27.41 -0.05 0.00	24.13 -0.07 0.00	22.94 -0.07 0.00	22.76 -0.09 0.00	23.59 -0.07 0.00	23.40 -0.09 0.00	24.31 -0.07 0.00	28.09 -0.06 0.00	32.73 -0.03 0.00	39.86 0.04 0.00	46.88 0.14 0.00	46.74 0.09 0.00	35.91 0.04 0.00	28.01 0.06 0.00	22.74 0.00 0.00
WATSON____69_KV_BK 1 55734	31.94 2.37 0.00	28.24 1.97 0.00	27.04 1.91 0.00	26.89 1.83 0.00	27.13 1.75 0.00	29.85 1.64 0.00	38.89 1.92 0.00	40.43 2.00 0.00	34.79 2.00 0.00	29.31 1.84 0.00	25.90 1.69 0.00	25.13 2.12 0.00	25.02 2.17 0.00	25.91 2.25 0.00	25.91 2.42 0.00	26.97 2.59 0.00	31.22 3.07 -0.01	36.64 3.57 -0.31	44.45 4.10 -0.53	52.25 4.86 -0.66	52.29 4.99 -0.66	40.73 3.98 -0.87	31.95 2.96 -1.03	27.45 2.14 -2.58
WDELAWARE__HYD 323627	30.72 1.15 0.00	27.21 0.94 0.00	26.11 0.98 0.00	25.99 0.93 0.00	26.29 0.91 0.00	29.20 0.99 0.00	38.34 1.37 0.00	39.89 1.46 0.00	34.07 1.28 0.00	28.54 1.07 0.00	25.13 0.92 0.00	23.91 0.90 0.00	23.77 0.91 0.00	24.61 0.95 0.00	24.48 0.99 0.00	25.46 1.07 0.00	29.50 1.35 0.00	34.47 1.70 0.00	41.93 2.11 0.00	49.31 2.57 0.00	49.30 2.66 0.00	37.74 1.86 0.00	29.46 1.51 0.00	26.30 1.23 -2.33



WEST BABYLON___IC 23714	31.88 2.31 0.00	28.18 1.92 0.00	26.97 1.83 0.00	26.84 1.78 0.00	27.08 1.70 0.00	29.85 1.64 0.00	38.93 1.96 0.00	40.47 2.04 0.00	34.86 2.07 0.00	29.34 1.87 0.00	25.92 1.72 0.00	25.09 2.07 0.00	24.98 2.13 0.00	25.86 2.20 0.00	25.84 2.35 0.00	26.90 2.51 0.00	31.14 2.98 -0.01	36.73 3.51 -0.46	44.37 4.02 -0.53	52.11 4.72 -0.66	52.16 4.85 -0.66	40.55 3.80 -0.87	31.86 2.88 -1.03	27.43 2.11 -2.58
WEST CANADA___HYD 24049	29.66 0.09 0.00	26.34 0.08 0.00	25.23 0.10 0.00	25.16 0.10 0.00	25.48 0.10 0.00	28.33 0.11 0.00	37.12 0.15 0.00	38.62 0.19 0.00	32.93 0.13 0.00	27.55 0.08 0.00	24.28 0.07 0.00	23.08 0.07 0.00	22.92 0.07 0.00	23.74 0.07 0.00	23.56 0.07 0.00	24.48 0.10 0.00	28.26 0.11 0.00	32.93 0.16 0.00	40.06 0.24 0.00	47.02 0.28 0.00	46.93 0.28 0.00	36.06 0.18 0.00	28.12 0.17 0.00	22.85 0.11 0.00
WESTERN_NY_WIND 24143	28.71 -0.86 0.00	25.66 -0.60 0.00	24.05 -1.08 0.00	23.91 -1.15 0.00	24.26 -1.12 0.00	27.37 -0.85 0.00	35.49 -1.48 0.00	36.85 -1.58 0.00	31.91 -0.89 0.00	26.42 -1.04 0.00	23.36 -0.85 0.00	21.96 -1.06 0.00	21.64 -1.21 0.00	22.43 -1.23 0.00	21.97 -1.53 0.00	22.58 -1.80 0.00	25.87 -2.28 0.00	30.01 -2.75 0.00	36.43 -3.38 0.00	42.95 -3.79 0.00	42.63 -4.01 0.00	33.40 -2.48 0.00	25.94 -2.01 0.00	22.00 -1.14 -0.40
WESTOVER___LESR 323668	29.75 0.18 0.00	26.45 0.18 0.00	25.21 0.08 0.00	25.09 0.03 0.00	25.40 0.03 0.00	28.33 0.11 0.00	37.04 0.07 0.00	38.35 -0.08 0.00	32.96 0.16 0.00	27.49 0.03 0.00	24.23 0.02 0.00	22.97 -0.05 0.00	22.78 -0.07 0.00	23.59 -0.07 0.00	23.35 -0.14 0.00	24.19 -0.20 0.00	27.86 -0.28 0.00	32.34 -0.43 0.00	39.42 -0.40 0.00	46.36 -0.37 0.00	46.18 -0.47 0.00	35.70 -0.18 0.00	27.75 -0.20 0.00	23.46 -0.11 -0.83
WETHRSFD_WT_PWR 323626	28.71 -0.86 0.00	25.61 -0.66 0.00	24.13 -1.01 0.00	23.98 -1.08 0.00	24.31 -1.06 0.00	27.34 -0.87 0.00	35.53 -1.44 0.00	36.20 -2.23 0.00	31.68 -1.12 0.00	26.20 -1.26 0.00	23.07 -1.14 0.00	21.77 -1.24 0.00	21.43 -1.42 0.00	22.29 -1.37 0.00	21.90 -1.60 0.00	22.51 -1.88 0.00	25.72 -2.42 0.00	29.82 -2.95 0.00	36.35 -3.46 0.00	42.76 -3.97 0.00	42.31 -4.34 0.00	33.04 -2.83 0.00	25.52 -2.43 0.00	21.08 -2.16 -0.50
WHAVSTOR_138KV_BK127 55557	31.05 1.48 0.00	27.45 1.18 0.00	26.34 1.21 0.00	26.21 1.15 0.00	26.52 1.14 0.00	29.40 1.19 0.00	38.60 1.63 0.00	40.16 1.73 0.00	34.56 1.77 0.00	29.06 1.59 0.00	25.59 1.38 0.00	24.46 1.45 0.00	24.29 1.44 0.00	25.15 1.49 0.00	25.02 1.53 0.00	26.00 1.61 0.00	30.03 1.89 0.00	35.12 2.33 -0.02	42.97 2.67 -0.48	50.42 3.08 -0.60	50.46 3.22 -0.60	39.07 2.40 -0.80	30.86 1.96 -0.95	26.79 1.57 -2.49
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	31.05 1.48 0.00	27.45 1.18 0.00	26.34 1.21 0.00	26.21 1.15 0.00	26.52 1.14 0.00	29.40 1.19 0.00	38.60 1.63 0.00	40.16 1.73 0.00	34.56 1.77 0.00	29.06 1.59 0.00	25.59 1.38 0.00	24.46 1.45 0.00	24.29 1.44 0.00	25.15 1.49 0.00	25.02 1.53 0.00	26.00 1.61 0.00	30.03 1.89 0.00	35.12 2.33 -0.02	42.97 2.67 -0.48	50.42 3.08 -0.60	50.46 3.22 -0.60	39.07 2.40 -0.80	30.86 1.96 -0.95	26.79 1.57 -2.49
WHITEHAL_115KV_TB1 80871	31.61 2.04 0.00	28.05 1.79 0.00	26.84 1.71 0.00	26.79 1.73 0.00	27.13 1.75 0.00	30.30 2.09 0.00	39.85 2.88 0.00	41.39 2.96 0.00	34.99 2.20 0.00	29.09 1.62 0.00	25.44 1.23 0.00	23.96 0.94 0.00	23.76 0.91 0.00	24.61 0.95 0.00	24.50 1.01 0.00	25.58 1.19 0.00	29.81 1.66 0.00	34.86 1.77 -0.32	48.51 2.35 -6.34	57.79 3.18 -7.88	57.85 3.31 -7.89	48.68 2.30 -10.51	42.25 1.73 -12.57	27.53 1.39 -3.40
WHITEPLN_13_KV_LOAD 356215	31.40 1.83 0.00	27.76 1.50 0.00	26.64 1.51 0.00	26.49 1.43 0.00	26.80 1.42 0.00	29.74 1.52 0.00	39.04 2.07 0.00	40.73 2.31 0.00	34.99 2.20 0.00	29.42 1.95 0.00	25.90 1.69 0.00	24.76 1.75 0.00	24.63 1.78 0.00	25.49 1.82 0.00	25.37 1.88 0.00	26.31 1.93 0.00	30.43 2.28 0.00	35.64 2.85 -0.03	43.68 3.34 -0.52	51.26 3.88 -0.65	51.30 4.01 -0.65	39.68 2.94 -0.86	31.30 2.32 -1.03	27.13 1.82 -2.57
WM_FLOYD_69_KV_BK2 356380	31.70 2.13 0.00	28.05 1.79 0.00	26.87 1.73 0.00	26.74 1.68 0.00	26.95 1.57 0.00	29.37 1.16 0.00	38.19 1.22 0.00	39.70 1.27 0.00	34.14 1.34 0.00	28.84 1.37 0.00	25.46 1.26 0.00	24.88 1.86 0.00	24.86 2.01 0.00	25.68 2.01 0.00	25.75 2.26 0.00	26.75 2.37 0.00	31.00 2.84 -0.01	36.02 3.01 -0.24	43.77 3.42 -0.53	51.46 4.07 -0.66	51.50 4.20 -0.66	40.37 3.62 -0.87	31.58 2.60 -1.03	27.20 1.89 -2.58
WOODARD___115KV_TB2 355635	29.22 -0.35 0.00	25.98 -0.29 0.00	24.81 -0.33 0.00	24.71 -0.35 0.00	25.02 -0.36 0.00	27.88 -0.34 0.00	36.53 -0.44 0.00	38.08 -0.35 0.00	32.50 -0.30 0.00	27.14 -0.33 0.00	23.96 -0.24 0.00	22.74 -0.28 0.00	22.58 -0.27 0.00	23.38 -0.28 0.00	23.19 -0.31 0.00	24.09 -0.29 0.00	27.78 -0.37 0.00	32.14 -0.62 0.00	39.06 -0.76 0.00	46.04 -0.70 0.00	45.90 -0.75 0.00	35.30 -0.57 0.00	27.47 -0.48 0.00	22.61 -0.39 -0.25
YORK___WARBASSE 23770	31.74 2.16 -0.01	28.00 1.73 0.00	26.90 1.76 -0.01	26.75 1.68 -0.01	27.02 1.65 0.00	29.91 1.69 0.00	39.15 2.18 0.00	40.70 2.27 0.00	35.19 2.39 0.00	29.69 2.22 0.00	26.14 1.94 0.00	25.04 2.03 0.00	24.88 2.03 0.00	25.82 2.15 0.00	25.65 2.16 0.00	26.65 2.27 0.00	30.71 2.56 -0.01	35.91 3.11 -0.03	43.80 3.46 -0.52	51.22 3.83 -0.65	51.31 4.01 -0.65	39.83 3.09 -0.87	31.47 2.49 -1.03	27.39 2.07 -2.58