

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

04/25/2025

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	27.93	26.18	24.74	24.88	26.27	29.04	36.14	40.74	33.39	30.40	28.47	28.37	29.13	29.95	31.32	33.41	37.39	42.70	46.13	48.87	45.65	37.76	34.65	30.17
24138	1.78	1.67	1.51	1.43	1.51	1.59	2.27	2.49	2.30	2.25	1.99	2.00	2.16	2.17	2.37	2.73	3.12	3.60	3.50	3.70	3.42	2.86	2.39	1.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	27.90	26.18	24.72	24.88	26.29	29.04	36.01	40.74	33.36	30.37	28.44	28.34	29.11	29.89	31.23	33.35	37.32	42.63	46.17	48.82	45.66	37.76	34.72	30.17
24260	1.75	1.67	1.49	1.43	1.53	1.59	2.13	2.49	2.27	2.22	1.96	1.98	2.13	2.11	2.29	2.67	3.05	3.52	3.54	3.66	3.42	2.86	2.45	1.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	27.90	26.18	24.72	24.88	26.29	29.04	36.01	40.74	33.36	30.37	28.44	28.34	29.11	29.89	31.23	33.35	37.32	42.63	46.17	48.82	45.66	37.76	34.72	30.17
24261	1.75	1.67	1.49	1.43	1.53	1.59	2.13	2.49	2.27	2.22	1.96	1.98	2.13	2.11	2.29	2.67	3.05	3.52	3.54	3.66	3.42	2.86	2.45	1.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	27.74	25.96	24.55	24.76	26.22	29.07	36.04	40.66	32.80	29.61	27.81	27.66	28.65	29.48	30.77	31.88	35.71	41.06	44.81	47.60	44.43	36.64	33.91	30.06
24011	1.60	1.45	1.32	1.31	1.46	1.62	2.17	2.41	1.71	1.46	1.32	1.29	1.67	1.69	1.82	1.20	1.44	1.96	2.17	2.44	2.20	1.74	1.65	1.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	27.90	26.08	24.69	24.88	26.34	29.21	36.28	40.89	32.93	29.75	27.94	27.79	28.78	29.64	30.97	31.97	35.85	41.22	45.02	47.78	44.56	36.78	34.04	30.20
23798	1.75	1.57	1.46	1.43	1.59	1.76	2.41	2.64	1.83	1.60	1.46	1.42	1.81	1.86	2.03	1.29	1.58	2.11	2.39	2.62	2.32	1.88	1.77	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	27.74	25.96	24.55	24.76	26.22	29.07	36.04	40.66	32.80	29.61	27.81	27.66	28.65	29.48	30.77	31.88	35.71	41.06	44.81	47.60	44.43	36.64	33.91	30.06
24028	1.60	1.45	1.32	1.31	1.46	1.62	2.17	2.41	1.71	1.46	1.32	1.29	1.67	1.69	1.82	1.20	1.44	1.96	2.17	2.44	2.20	1.74	1.65	1.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	27.48	25.74	24.35	24.53	25.90	28.71	35.77	40.32	32.62	29.53	27.73	27.58	28.24	29.03	30.28	32.13	36.12	41.37	45.28	48.06	44.94	37.16	34.27	29.78
23527	1.33	1.23	1.12	1.08	1.14	1.26	1.90	2.06	1.52	1.38	1.24	1.21	1.27	1.25	1.33	1.44	1.85	2.27	2.64	2.89	2.71	2.27	2.00	1.55
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	26.72	25.05	23.72	23.89	25.23	27.94	34.55	38.94	31.68	28.71	26.99	26.87	27.54	28.31	29.49	31.42	35.10	40.16	43.74	46.38	43.33	35.84	33.20	28.87
24190	0.58	0.54	0.49	0.45	0.47	0.49	0.68	0.69	0.59	0.56	0.50	0.50	0.57	0.53	0.55	0.74	0.82	1.06	1.11	1.22	1.10	0.94	0.94	0.65
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	25.76	24.24	23.00	23.24	24.63	27.29	33.53	37.64	30.50	27.73	26.09	25.97	26.62	27.39	28.54	30.19	33.66	38.36	41.74	44.17	41.35	34.09	31.59	27.60
355683	-0.39	-0.27	-0.23	-0.21	-0.12	-0.16	-0.34	-0.61	-0.59	-0.42	-0.40	-0.40	-0.35	-0.39	-0.41	-0.49	-0.62	-0.74	-0.90	-0.99	-0.89	-0.80	-0.68	-0.62
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	27.17	25.44	24.07	24.27	25.65	28.38	35.09	39.40	31.84	28.74	26.98	26.84	27.51	28.31	29.58	31.48	35.30	40.51	44.30	47.06	44.01	36.36	33.65	29.32
323833	1.02	0.93	0.84	0.82	0.89	0.93	1.22	1.15	0.75	0.59	0.50	0.48	0.54	0.53	0.64	0.80	1.03	1.41	1.66	1.90	1.77	1.47	1.39	1.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	27.14	25.42	24.07	24.27	25.62	28.38	35.09	39.40	31.84	28.74	26.98	26.84	27.51	28.31	29.55	31.48	35.27	40.51	44.30	47.01	43.97	36.36	33.65	29.32
323834	0.99	0.91	0.84	0.82	0.87	0.93	1.22	1.15	0.75	0.59	0.50	0.48	0.54	0.53	0.61	0.80	0.99	1.41	1.66	1.85	1.73	1.47	1.39	1.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	26.72	25.05	23.72	23.89	25.23	27.94	34.55	38.94	31.68	28.71	26.99	26.87	27.54	28.31	29.49	31.42	35.10	40.16	43.74	46.38	43.33	35.84	33.20	28.87
23571	0.58	0.54	0.49	0.45	0.47	0.49	0.68	0.69	0.59	0.56	0.50	0.50	0.57	0.53	0.55	0.74	0.82	1.06	1.11	1.22	1.10	0.94	0.94	0.65
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	26.72 0.58 0.00	25.05 0.54 0.00	23.72 0.49 0.00	23.89 0.45 0.00	25.23 0.47 0.00	27.94 0.49 0.00	34.55 0.68 0.00	38.94 0.69 0.00	31.68 0.59 0.00	28.71 0.56 0.00	26.99 0.50 0.00	26.87 0.50 0.00	27.54 0.57 0.00	28.31 0.53 0.00	29.49 0.55 0.00	31.42 0.74 0.00	35.10 0.82 0.00	40.16 1.06 0.00	43.74 1.11 0.00	46.38 1.22 0.00	43.33 1.10 0.00	35.84 0.94 0.00	33.20 0.94 0.00	28.87 0.65 0.00
ALBANY___3 23573	26.72 0.58 0.00	25.05 0.54 0.00	23.72 0.49 0.00	23.89 0.45 0.00	25.23 0.47 0.00	27.94 0.49 0.00	34.55 0.68 0.00	38.94 0.69 0.00	31.68 0.59 0.00	28.71 0.56 0.00	26.99 0.50 0.00	26.87 0.50 0.00	27.54 0.57 0.00	28.31 0.53 0.00	29.49 0.55 0.00	31.42 0.74 0.00	35.10 0.82 0.00	40.16 1.06 0.00	43.74 1.11 0.00	46.38 1.22 0.00	43.33 1.10 0.00	35.84 0.94 0.00	33.20 0.94 0.00	28.87 0.65 0.00
ALBANY___4 23574	26.72 0.58 0.00	25.05 0.54 0.00	23.72 0.49 0.00	23.89 0.45 0.00	25.23 0.47 0.00	27.94 0.49 0.00	34.55 0.68 0.00	38.94 0.69 0.00	31.68 0.59 0.00	28.71 0.56 0.00	26.99 0.50 0.00	26.87 0.50 0.00	27.54 0.57 0.00	28.31 0.53 0.00	29.49 0.55 0.00	31.42 0.74 0.00	35.10 0.82 0.00	40.16 1.06 0.00	43.74 1.11 0.00	46.38 1.22 0.00	43.33 1.10 0.00	35.84 0.94 0.00	33.20 0.94 0.00	28.87 0.65 0.00
ALBANY___LFGE 323615	26.96 0.81 0.00	25.25 0.73 0.00	23.90 0.67 0.00	24.08 0.63 0.00	25.45 0.69 0.00	28.16 0.71 0.00	34.92 1.05 0.00	39.29 1.03 0.00	31.93 0.84 0.00	28.94 0.79 0.00	27.22 0.74 0.00	27.10 0.74 0.00	27.78 0.81 0.00	28.59 0.81 0.00	29.81 0.87 0.00	31.70 1.01 0.00	35.44 1.17 0.00	40.55 1.45 0.00	44.17 1.53 0.00	46.83 1.67 0.00	43.75 1.52 0.00	36.15 1.25 0.00	33.46 1.19 0.00	29.13 0.90 0.00
ALCOA_PA_115KV_PL-6C 55860	25.84 -0.31 0.00	24.32 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.73 -0.02 0.00	27.37 -0.08 0.00	33.63 -0.24 0.00	37.72 -0.54 0.00	30.53 -0.56 0.00	27.76 -0.39 0.00	26.11 -0.37 0.00	25.97 -0.40 0.00	26.62 -0.35 0.00	27.42 -0.36 0.00	28.57 -0.38 0.00	30.26 -0.43 0.00	33.72 -0.55 0.00	38.40 -0.70 0.00	41.82 -0.81 0.00	44.26 -0.90 0.00	41.39 -0.84 0.00	34.13 -0.77 0.00	31.62 -0.65 0.00	27.63 -0.59 0.00
ALCOA_RYNLDS___DRP 24188	25.84 -0.31 0.00	24.32 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.73 -0.02 0.00	27.37 -0.08 0.00	33.63 -0.24 0.00	37.72 -0.54 0.00	30.53 -0.56 0.00	27.76 -0.39 0.00	26.11 -0.37 0.00	25.97 -0.40 0.00	26.62 -0.35 0.00	27.42 -0.36 0.00	28.57 -0.38 0.00	30.26 -0.43 0.00	33.72 -0.55 0.00	38.40 -0.70 0.00	41.82 -0.81 0.00	44.26 -0.90 0.00	41.39 -0.84 0.00	34.13 -0.77 0.00	31.62 -0.65 0.00	27.63 -0.59 0.00
ALCOA___DSASP 323711	25.84 -0.31 0.00	24.31 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.73 -0.02 0.00	27.37 -0.08 0.00	33.64 -0.24 0.00	37.72 -0.54 0.00	30.53 -0.56 0.00	27.75 -0.39 0.00	26.11 -0.37 0.00	26.00 -0.37 0.00	26.62 -0.35 0.00	27.42 -0.36 0.00	28.57 -0.38 0.00	30.26 -0.43 0.00	33.72 -0.55 0.00	38.40 -0.70 0.00	41.78 -0.85 0.00	44.26 -0.90 0.00	41.39 -0.84 0.00	34.13 -0.77 0.00	31.62 -0.65 0.00	27.63 -0.59 0.00
ALLEGHENY___COGEN 23514	25.70 -0.44 0.00	23.95 -0.56 0.00	22.72 -0.51 0.00	23.26 -0.19 0.00	24.43 -0.32 0.00	27.37 -0.08 0.00	33.43 -0.44 0.00	38.41 0.15 0.00	30.91 -0.19 0.00	27.50 -0.65 0.00	25.90 -0.58 0.00	25.73 -0.63 0.00	25.95 -1.03 0.00	26.92 -0.86 0.00	27.73 -1.21 0.00	29.52 -1.17 0.00	33.45 -0.82 0.00	38.25 -0.86 0.00	42.38 -0.25 0.00	45.03 -0.14 0.00	42.36 0.13 0.00	34.86 -0.03 0.00	32.40 0.13 0.00	28.34 0.11 0.00
ALTAMONT_115KV_TB 2 55880	26.93 0.78 0.00	25.25 0.74 0.00	23.90 0.67 0.00	24.08 0.63 0.00	25.45 0.69 0.00	28.19 0.74 0.00	34.85 0.98 0.00	39.32 1.07 0.00	31.96 0.87 0.00	28.94 0.79 0.00	27.20 0.72 0.00	27.05 0.69 0.00	27.73 0.76 0.00	28.53 0.75 0.00	29.72 0.78 0.00	31.64 0.95 0.00	35.40 1.13 0.00	40.51 1.41 0.00	44.17 1.53 0.00	46.83 1.67 0.00	43.76 1.52 0.00	36.19 1.29 0.00	33.43 1.16 0.00	29.13 0.90 0.00
ALTONA_WT_PWR 323606	25.65 -0.50 0.00	24.27 -0.25 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.91 0.15 0.00	27.59 0.14 0.00	34.01 0.14 0.00	38.10 -0.15 0.00	30.81 -0.28 0.00	28.49 0.34 0.00	26.80 0.32 0.00	26.63 0.26 0.00	27.30 0.32 0.00	28.06 0.28 0.00	29.15 0.20 0.00	30.78 0.09 0.00	34.24 -0.03 0.00	38.95 -0.16 0.00	42.29 -0.34 0.00	44.13 -1.04 0.00	41.22 -1.01 0.00	33.95 -0.94 0.00	31.43 -0.84 0.00	27.38 -0.85 0.00
AMERICAN_REF_FUEL 24010	23.51 -2.64 0.00	21.89 -2.62 0.00	20.79 -2.44 0.00	21.36 -2.09 0.00	22.38 -2.38 0.00	25.06 -2.39 0.00	30.28 -3.59 0.00	35.46 -2.79 0.00	29.04 -2.05 0.00	26.01 -2.14 0.00	24.76 -1.72 0.00	24.60 -1.77 0.00	24.74 -2.24 0.00	25.70 -2.08 0.00	26.34 -2.60 0.00	27.83 -2.85 0.00	31.22 -3.05 0.00	35.23 -3.87 0.00	38.75 -3.88 0.00	40.83 -4.34 0.00	38.35 -3.88 0.00	31.89 -3.00 0.00	29.81 -2.45 0.00	26.14 -2.09 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	25.13 -1.02 0.00	23.34 -1.18 0.00	22.19 -1.04 0.00	22.61 -0.84 0.00	23.52 -1.24 0.00	26.35 -1.10 0.00	31.98 -1.90 0.00	37.22 -1.03 0.00	30.63 -0.47 0.00	27.45 -0.70 0.00	26.30 -0.18 0.00	26.10 -0.26 0.00	26.14 -0.84 0.00	27.14 -0.64 0.00	27.81 -1.13 0.00	29.40 -1.29 0.00	32.90 -1.37 0.00	37.31 -1.80 0.00	41.10 -1.53 0.00	43.27 -1.90 0.00	40.46 -1.77 0.00	33.46 -1.43 0.00	30.94 -1.32 0.00	26.98 -1.24 0.00
ARTHUR KILL_GT_1 23520	28.27 2.12 -0.01	26.50 1.98 -0.01	25.04 1.81 0.00	25.18 1.74 0.00	26.62 1.86 -0.01	29.29 1.84 0.00	36.38 2.51 0.00	40.66 2.41 0.00	33.43 2.33 0.00	30.38 2.22 -0.01	28.47 1.99 0.00	28.38 2.00 -0.01	29.11 2.13 -0.01	29.90 2.11 -0.01	31.29 2.34 -0.01	33.48 2.79 -0.01	37.49 3.22 0.00	42.55 3.44 0.00	45.70 3.07 0.01	48.45 3.30 0.01	45.31 3.08 0.01	38.04 3.14 0.00	34.98 2.71 0.00	30.46 2.23 -0.01
ARTHUR_KILL_2 23512	28.20 2.04 -0.01	26.43 1.91 -0.01	24.97 1.74 0.00	25.11 1.67 0.00	26.55 1.78 -0.01	29.21 1.76 0.00	36.28 2.41 0.00	40.55 2.30 0.00	33.36 2.27 0.00	30.32 2.17 -0.01	28.41 1.93 0.00	28.33 1.95 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.24 2.29 -0.01	33.39 2.70 -0.01	37.39 3.12 0.00	42.43 3.32 0.00	45.57 2.94 0.01	48.27 3.11 0.01	45.18 2.96 0.01	37.93 3.03 0.00	34.88 2.61 0.00	30.41 2.17 -0.01
ARTHUR_KILL_3 23513	27.72 1.57 0.00	25.96 1.45 0.00	24.58 1.35 0.00	24.71 1.27 0.00	26.07 1.31 0.00	28.82 1.37 0.00	35.84 1.96 0.00	40.36 2.10 0.00	33.14 2.05 0.00	30.15 2.00 0.00	28.26 1.77 0.00	28.13 1.77 0.00	28.89 1.92 0.00	29.70 1.92 0.00	31.05 2.11 0.00	33.14 2.46 0.00	37.05 2.77 0.00	42.31 3.21 0.00	45.71 3.07 0.00	48.46 3.30 0.00	45.28 3.04 0.00	37.48 2.58 0.00	34.39 2.13 0.00	29.95 1.72 0.00



ARTHUR_KILL_COGEN 323718	28.27 2.12 -0.01	26.50 1.98 -0.01	25.04 1.81 0.00	25.18 1.74 0.00	26.62 1.86 -0.01	29.29 1.84 0.00	36.38 2.51 0.00	40.66 2.41 0.00	33.43 2.33 0.00	30.38 2.22 -0.01	28.47 1.99 0.00	28.38 2.00 -0.01	29.11 2.13 -0.01	29.90 2.11 -0.01	31.29 2.34 -0.01	33.48 2.79 -0.01	37.49 3.22 0.00	42.55 3.44 0.00	45.70 3.07 0.01	48.45 3.30 0.01	45.31 3.08 0.01	38.04 3.14 0.00	34.98 2.71 0.00	30.46 2.23 -0.01
ASHOKAN____ 23654	27.72 1.57 0.00	25.91 1.40 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.07 1.31 0.00	28.85 1.40 0.00	35.67 1.79 0.00	39.98 1.72 0.00	32.27 1.18 0.00	28.97 0.82 0.00	27.17 0.69 0.00	27.13 0.77 0.00	27.81 0.84 0.00	28.53 0.75 0.00	29.96 1.01 0.00	31.94 1.26 0.00	35.88 1.61 0.00	41.30 2.19 0.00	44.93 2.30 0.00	47.96 2.80 0.00	44.85 2.62 0.00	37.20 2.30 0.00	34.43 2.16 0.00	29.95 1.72 0.00
ASTORIA_EAST_ENERGY_CC1 323581	27.63 1.49 0.01	25.92 1.42 0.01	24.52 1.30 0.01	24.66 1.22 0.01	26.01 1.26 0.01	28.71 1.26 0.01	35.73 1.86 0.01	40.20 1.95 0.01	33.05 1.96 0.01	30.08 1.94 0.01	28.22 1.75 0.01	28.13 1.77 0.01	28.85 1.89 0.01	29.64 1.86 0.01	31.02 2.09 0.01	33.10 2.42 0.01	37.01 2.74 0.01	42.19 3.09 0.01	45.48 2.86 0.01	48.18 3.03 0.01	45.06 2.83 0.01	37.36 2.48 0.01	34.29 2.03 0.01	29.85 1.64 0.01
ASTORIA_EAST_ENERGY_CC2 323582	27.63 1.49 0.01	25.92 1.42 0.01	24.52 1.30 0.01	24.66 1.22 0.01	26.01 1.26 0.01	28.71 1.26 0.01	35.73 1.86 0.01	40.20 1.95 0.01	33.05 1.96 0.01	30.08 1.94 0.01	28.22 1.75 0.01	28.13 1.77 0.01	28.85 1.89 0.01	29.64 1.86 0.01	31.02 2.09 0.01	33.10 2.42 0.01	37.01 2.74 0.01	42.19 3.09 0.01	45.48 2.86 0.01	48.18 3.03 0.01	45.06 2.83 0.01	37.36 2.48 0.01	34.29 2.03 0.01	29.85 1.64 0.01
ASTORIA_GT2_1 24094	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT2_2 24095	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT2_3 24096	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT2_4 24097	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT3_1 24098	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT3_2 24099	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT3_3 24100	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT3_4 24101	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT4_1 24102	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT4_2 24103	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT4_3 24104	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00



ASTORIA_GT4_4 24105	27.61 1.46 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	33.05 1.96 0.00	30.11 1.97 0.01	28.23 1.75 0.00	28.13 1.77 0.01	28.85 1.89 0.01	29.66 1.89 0.01	30.99 2.05 0.01	33.10 2.42 0.01	37.01 2.74 0.00	42.23 3.13 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.41 2.51 0.00	34.36 2.10 0.00	29.86 1.64 0.00
ASTORIA_GT_1 23523	27.68 1.54 0.01	25.97 1.47 0.01	24.55 1.32 0.01	24.68 1.24 0.01	26.06 1.31 0.01	28.76 1.32 0.01	35.79 1.93 0.01	40.27 2.03 0.01	33.10 2.02 0.01	30.17 2.03 0.01	28.28 1.80 0.01	28.18 1.82 0.01	28.93 1.97 0.01	29.72 1.94 0.01	31.08 2.14 0.01	33.16 2.48 0.01	37.08 2.81 0.01	42.31 3.21 0.01	45.57 2.94 0.01	48.27 3.11 0.01	45.14 2.91 0.01	37.43 2.55 0.01	34.39 2.13 0.01	29.91 1.69 0.01
ASTORIA_GT_10 24110	27.88 1.73 0.00	26.15 1.64 0.00	24.69 1.46 0.00	24.83 1.38 0.00	26.24 1.49 0.00	28.99 1.54 0.00	35.87 2.00 0.00	40.59 2.33 0.00	33.27 2.18 0.00	30.32 2.17 -0.01	28.39 1.91 0.00	28.30 1.92 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.18 2.23 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.87 3.24 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.62 2.36 0.00	30.12 1.89 0.00
ASTORIA_GT_11 24225	27.88 1.73 0.00	26.15 1.64 0.00	24.69 1.46 0.00	24.83 1.38 0.00	26.24 1.49 0.00	28.99 1.54 0.00	35.87 2.00 0.00	40.59 2.33 0.00	33.27 2.18 0.00	30.32 2.17 -0.01	28.39 1.91 0.00	28.30 1.92 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.18 2.23 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.87 3.24 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.62 2.36 0.00	30.12 1.89 0.00
ASTORIA_GT_12 24226	27.88 1.73 0.00	26.15 1.64 0.00	24.69 1.46 0.00	24.83 1.38 0.00	26.24 1.49 0.00	28.99 1.54 0.00	35.87 2.00 0.00	40.59 2.33 0.00	33.27 2.18 0.00	30.32 2.17 -0.01	28.39 1.91 0.00	28.30 1.92 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.18 2.23 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.87 3.24 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.62 2.36 0.00	30.12 1.89 0.00
ASTORIA_GT_13 24227	27.88 1.73 0.00	26.15 1.64 0.00	24.69 1.46 0.00	24.83 1.38 0.00	26.24 1.49 0.00	28.99 1.54 0.00	35.87 2.00 0.00	40.59 2.33 0.00	33.27 2.18 0.00	30.32 2.17 -0.01	28.39 1.91 0.00	28.30 1.92 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.18 2.23 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.87 3.24 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.62 2.36 0.00	30.12 1.89 0.00
ASTORIA_GT_5 24106	27.64 1.49 0.00	25.98 1.47 0.00	24.53 1.30 0.00	24.69 1.24 0.00	26.07 1.31 0.00	28.77 1.32 0.00	35.63 1.76 0.00	40.32 2.07 0.00	33.11 2.02 0.00	30.17 2.03 0.01	28.26 1.77 0.00	28.15 1.79 0.01	28.91 1.94 0.01	29.69 1.92 0.01	31.02 2.08 0.01	33.16 2.49 0.01	37.08 2.81 0.00	42.31 3.21 0.00	45.66 3.03 0.00	48.28 3.12 0.00	45.15 2.91 0.00	37.44 2.55 0.00	34.40 2.13 0.00	29.92 1.69 0.00
ASTORIA_GT_7 24107	27.64 1.49 0.00	25.98 1.47 0.00	24.53 1.30 0.00	24.69 1.24 0.00	26.07 1.31 0.00	28.77 1.32 0.00	35.63 1.76 0.00	40.32 2.07 0.00	33.11 2.02 0.00	30.17 2.03 0.01	28.26 1.77 0.00	28.15 1.79 0.01	28.91 1.94 0.01	29.69 1.92 0.01	31.02 2.08 0.01	33.16 2.49 0.01	37.08 2.81 0.00	42.31 3.21 0.00	45.66 3.03 0.00	48.28 3.12 0.00	45.15 2.91 0.00	37.44 2.55 0.00	34.40 2.13 0.00	29.92 1.69 0.00
ASTORIA_GT_8 24108	27.64 1.49 0.00	25.98 1.47 0.00	24.53 1.30 0.00	24.69 1.24 0.00	26.07 1.31 0.00	28.77 1.32 0.00	35.63 1.76 0.00	40.32 2.07 0.00	33.11 2.02 0.00	30.17 2.03 0.01	28.26 1.77 0.00	28.15 1.79 0.01	28.91 1.94 0.01	29.69 1.92 0.01	31.02 2.08 0.01	33.16 2.49 0.01	37.08 2.81 0.00	42.31 3.21 0.00	45.66 3.03 0.00	48.28 3.12 0.00	45.15 2.91 0.00	37.44 2.55 0.00	34.40 2.13 0.00	29.92 1.69 0.00
ASTORIA___2 24149	27.66 1.52 0.01	25.92 1.42 0.01	24.52 1.30 0.01	24.66 1.22 0.01	26.04 1.29 0.01	28.73 1.29 0.01	35.73 1.86 0.01	40.20 1.95 0.01	33.05 1.96 0.01	30.11 1.97 0.01	28.22 1.75 0.01	28.13 1.77 0.01	28.88 1.92 0.01	29.66 1.89 0.01	31.02 2.09 0.01	33.10 2.42 0.01	37.01 2.74 0.01	42.23 3.13 0.01	45.53 2.90 0.01	48.23 3.07 0.01	45.06 2.83 0.01	37.40 2.51 0.01	34.32 2.07 0.01	29.85 1.64 0.01
ASTORIA___3 23516	27.90 1.75 0.00	26.15 1.64 0.00	24.72 1.49 0.00	24.85 1.41 0.00	26.24 1.49 0.00	28.99 1.54 0.00	36.04 2.17 0.00	40.55 2.30 0.00	33.30 2.21 0.00	30.32 2.17 -0.01	28.41 1.93 0.00	28.33 1.95 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.24 2.29 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.79 3.15 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.59 2.32 0.00	30.12 1.89 0.00
ASTORIA___4 23517	27.85 1.70 0.00	26.15 1.64 0.00	24.69 1.46 0.00	24.83 1.38 0.00	26.24 1.49 0.00	28.99 1.54 0.00	35.87 2.00 0.00	40.59 2.33 0.00	33.27 2.18 0.00	30.32 2.17 -0.01	28.39 1.91 0.00	28.30 1.92 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.18 2.23 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.83 3.20 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.62 2.36 0.00	30.12 1.89 0.00
ASTORIA___5 23518	27.90 1.75 0.00	26.15 1.64 0.00	24.72 1.49 0.00	24.85 1.41 0.00	26.24 1.49 0.00	28.99 1.54 0.00	36.04 2.17 0.00	40.55 2.30 0.00	33.30 2.21 0.00	30.32 2.17 -0.01	28.41 1.93 0.00	28.33 1.95 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.24 2.29 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.79 3.15 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.59 2.32 0.00	30.12 1.89 0.00
AST_ENERGY_2_CC3 323677	27.77 1.62 0.00	26.06 1.55 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.85 1.40 0.00	35.87 2.00 0.00	40.39 2.14 0.00	33.11 2.02 0.00	30.15 2.00 0.00	28.26 1.77 0.00	28.16 1.79 0.00	28.89 1.92 0.00	29.70 1.92 0.00	31.05 2.11 0.00	33.14 2.46 0.00	37.05 2.77 0.00	42.31 3.21 0.00	45.74 3.11 0.00	48.46 3.30 0.00	45.32 3.08 0.00	37.51 2.62 0.00	34.43 2.16 0.00	29.98 1.75 0.00
AST_ENERGY_2_CC4 323678	27.77 1.62 0.00	26.06 1.55 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.85 1.40 0.00	35.87 2.00 0.00	40.39 2.14 0.00	33.11 2.02 0.00	30.15 2.00 0.00	28.26 1.77 0.00	28.16 1.79 0.00	28.89 1.92 0.00	29.70 1.92 0.00	31.05 2.11 0.00	33.14 2.46 0.00	37.05 2.77 0.00	42.31 3.21 0.00	45.74 3.11 0.00	48.46 3.30 0.00	45.32 3.08 0.00	37.51 2.62 0.00	34.43 2.16 0.00	29.98 1.75 0.00



ATHENS_STG_1 23668	27.09 0.94 0.00	25.39 0.88 0.00	24.04 0.81 0.00	24.20 0.75 0.00	25.55 0.79 0.00	28.30 0.85 0.00	35.06 1.18 0.00	39.51 1.26 0.00	32.18 1.09 0.00	29.16 1.01 0.00	27.43 0.95 0.00	27.29 0.92 0.00	27.97 1.00 0.00	28.75 0.97 0.00	30.01 1.07 0.00	31.94 1.26 0.00	35.75 1.47 0.00	40.87 1.76 0.00	44.47 1.83 0.00	47.15 1.98 0.00	44.09 1.86 0.00	36.47 1.57 0.00	33.62 1.35 0.00	29.27 1.04 0.00
ATHENS_STG_2 23670	27.09 0.94 0.00	25.39 0.88 0.00	24.04 0.81 0.00	24.20 0.75 0.00	25.55 0.79 0.00	28.30 0.85 0.00	35.06 1.18 0.00	39.51 1.26 0.00	32.18 1.09 0.00	29.16 1.01 0.00	27.43 0.95 0.00	27.29 0.92 0.00	27.97 1.00 0.00	28.75 0.97 0.00	30.01 1.07 0.00	31.94 1.26 0.00	35.75 1.47 0.00	40.87 1.76 0.00	44.47 1.83 0.00	47.15 1.98 0.00	44.09 1.86 0.00	36.47 1.57 0.00	33.62 1.35 0.00	29.27 1.04 0.00
ATHENS_STG_3 23677	27.09 0.94 0.00	25.39 0.88 0.00	24.04 0.81 0.00	24.20 0.75 0.00	25.55 0.79 0.00	28.30 0.85 0.00	35.06 1.18 0.00	39.51 1.26 0.00	32.18 1.09 0.00	29.16 1.01 0.00	27.43 0.95 0.00	27.29 0.92 0.00	27.97 1.00 0.00	28.75 0.97 0.00	30.01 1.07 0.00	31.94 1.26 0.00	35.75 1.47 0.00	40.87 1.76 0.00	44.47 1.83 0.00	47.15 1.98 0.00	44.09 1.86 0.00	36.47 1.57 0.00	33.62 1.35 0.00	29.27 1.04 0.00
AUBURN___LFGE 323710	25.94 -0.21 0.00	24.24 -0.27 0.00	23.00 -0.23 0.00	23.28 -0.16 0.00	24.51 -0.25 0.00	27.26 -0.19 0.00	33.77 -0.10 0.00	38.21 -0.04 0.00	31.06 -0.03 0.00	27.98 -0.17 0.00	26.35 -0.13 0.00	26.26 -0.11 0.00	26.79 -0.19 0.00	27.70 -0.08 0.00	28.80 -0.14 0.00	30.47 -0.21 0.00	34.03 -0.24 0.00	38.79 -0.31 0.00	42.42 -0.21 0.00	44.94 -0.23 0.00	42.11 -0.13 0.00	34.79 -0.10 0.00	32.17 -0.10 0.00	28.20 -0.03 0.00
BABYLON_RES_REC 323704	28.32 2.17 0.00	26.40 1.89 0.00	24.99 1.76 0.00	25.14 1.69 0.00	26.39 1.63 0.00	29.26 1.81 0.00	36.75 2.88 0.00	41.35 3.10 0.00	33.39 2.30 0.00	30.40 2.25 0.00	28.65 2.17 0.00	28.35 1.98 0.00	29.17 2.16 -0.03	30.02 2.17 -0.07	31.32 2.34 -0.03	33.41 2.67 -0.06	37.38 3.05 -0.06	43.92 3.67 -1.14	50.09 3.88 -3.58	51.89 4.15 -2.58	49.86 3.88 -3.74	40.34 3.38 -2.06	36.38 3.16 -0.95	30.40 2.17 0.00
BABYLON__69_KV_BK2 356345	28.45 2.30 0.00	26.64 2.13 0.00	25.07 1.84 0.00	25.25 1.81 0.00	26.66 1.91 0.00	29.56 2.11 0.00	36.95 3.08 0.00	41.73 3.48 0.00	33.61 2.52 0.00	30.54 2.39 0.00	28.76 2.28 0.00	28.42 2.06 0.00	29.36 2.35 -0.03	30.05 2.19 -0.07	31.61 2.63 -0.03	33.48 2.73 -0.06	37.52 3.19 -0.06	44.13 3.91 -1.12	50.45 4.31 -3.51	52.25 4.56 -2.53	50.12 4.22 -3.67	40.54 3.63 -2.02	36.61 3.42 -0.93	30.71 2.48 0.00
BALL_HILL_WT_PWR 323825	24.89 -1.25 0.00	23.14 -1.37 0.00	22.00 -1.23 0.00	22.46 -0.98 0.00	23.47 -1.29 0.00	26.32 -1.13 0.00	31.94 -1.93 0.00	37.14 -1.11 0.00	30.50 -0.59 0.00	27.28 -0.87 0.00	26.03 -0.45 0.00	25.81 -0.55 0.00	25.89 -1.08 0.00	26.87 -0.92 0.00	27.61 -1.33 0.00	29.18 -1.50 0.00	32.70 -1.58 0.00	37.07 -2.04 0.00	40.85 -1.79 0.00	43.04 -2.12 0.00	40.33 -1.90 0.00	33.43 -1.46 0.00	31.01 -1.26 0.00	27.15 -1.07 0.00
BARON_WINDS___WT_PWR 323822	25.23 -0.92 0.00	23.53 -0.98 0.00	22.35 -0.88 0.00	22.75 -0.70 0.00	23.87 -0.89 0.00	26.68 -0.77 0.00	32.62 -1.25 0.00	37.37 -0.88 0.00	30.38 -0.71 0.00	27.22 -0.93 0.00	25.79 -0.69 0.00	25.60 -0.77 0.00	25.84 -1.13 0.00	26.75 -1.03 0.00	27.61 -1.33 0.00	29.24 -1.44 0.00	32.87 -1.41 0.00	37.39 -1.72 0.00	41.18 -1.45 0.00	43.40 -1.76 0.00	40.63 -1.60 0.00	33.60 -1.29 0.00	31.14 -1.13 0.00	27.41 -0.82 0.00
BARRETT_IC_1 23704	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.92 2.91 -0.73	54.84 3.24 -12.49	84.66 3.24 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_10 23701	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.43 2.91 -0.25	46.64 3.24 -4.29	59.23 3.24 -13.36	58.21 3.43 -9.62	59.37 3.17 -13.97	45.37 2.79 -7.68	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_11 23702	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.43 2.91 -0.25	46.64 3.24 -4.29	59.23 3.24 -13.36	58.21 3.43 -9.62	59.37 3.17 -13.97	45.37 2.79 -7.68	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_12 23703	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.43 2.91 -0.25	46.64 3.24 -4.29	59.23 3.24 -13.36	58.21 3.43 -9.62	59.37 3.17 -13.97	45.37 2.79 -7.68	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_2 23705	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.92 2.91 -0.73	54.84 3.24 -12.49	84.66 3.24 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_3 23706	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.92 2.91 -0.73	54.84 3.24 -12.49	84.66 3.24 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_4 23707	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.92 2.91 -0.73	54.84 3.24 -12.49	84.66 3.24 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.76 2.81 -9.68	30.23 1.95 -0.06



BARRETT_IC_5 23708	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.92 2.91 -0.73	54.84 3.24 -12.49	84.66 3.24 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_6 23709	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.92 2.91 -0.73	54.84 3.24 -12.49	84.66 3.24 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_7 23710	28.01 1.86 0.00	26.25 1.74 0.00	24.72 1.49 0.00	24.90 1.45 0.00	26.29 1.53 0.00	29.13 1.67 0.00	36.28 2.40 0.00	40.85 2.60 0.00	33.18 2.08 0.00	30.15 1.94 -0.06	28.51 1.93 -0.09	28.23 1.77 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	34.01 2.61 -0.72	37.95 2.95 -0.73	54.85 3.25 -12.49	84.62 3.20 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.79 2.84 -9.68	30.23 1.95 -0.06
BARRETT_IC_8 23711	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.92 2.91 -0.73	54.84 3.24 -12.49	84.66 3.24 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT_IC_9 23700	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.43 2.91 -0.25	46.64 3.24 -4.29	59.23 3.24 -13.36	58.21 3.43 -9.62	59.37 3.17 -13.97	45.37 2.79 -7.68	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT___1 23545	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.92 2.91 -0.73	54.84 3.24 -12.49	84.66 3.24 -38.79	76.52 3.43 -27.93	85.96 3.17 -40.56	59.99 2.79 -22.30	44.76 2.81 -9.68	30.23 1.95 -0.06
BARRETT___2 23546	28.14 1.99 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.45 2.57 0.00	40.93 2.68 0.00	33.27 2.18 0.00	30.26 2.05 -0.06	28.64 2.07 -0.09	28.36 1.90 -0.09	29.58 2.16 -0.45	30.75 2.14 -0.83	31.71 2.32 -0.45	33.98 2.58 -0.72	37.43 2.91 -0.25	46.64 3.24 -4.29	59.23 3.24 -13.36	58.21 3.43 -9.62	59.37 3.17 -13.97	45.37 2.79 -7.68	44.76 2.81 -9.68	30.23 1.95 -0.06
BATAVIA__115KV_TB1 55881	24.76 -1.39 0.00	22.84 -1.67 0.00	21.88 -1.35 0.00	22.32 -1.13 0.00	23.37 -1.39 0.00	26.19 -1.26 0.00	32.45 -1.42 0.00	37.07 -1.19 0.00	30.22 -0.87 0.00	27.08 -1.07 0.00	25.79 -0.69 0.00	25.66 -0.71 0.00	25.76 -1.21 0.00	26.81 -0.97 0.00	27.81 -1.13 0.00	29.09 -1.60 0.00	32.66 -1.61 0.00	36.99 -2.11 0.00	40.50 -2.13 0.00	42.90 -2.26 0.00	40.33 -1.90 0.00	33.36 -1.54 0.00	31.04 -1.23 0.00	27.21 -1.02 0.00
BAYONEEC___CTG1 323682	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BAYONEEC___CTG10 323750	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BAYONEEC___CTG2 323683	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BAYONEEC___CTG3 323684	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BAYONEEC___CTG4 323685	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BAYONEEC___CTG5 323686	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BAYONEEC___CTG6 323687	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00



BAYONEEC___CTG7 323688	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BAYONEEC___CTG8 323689	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BAYONEEC___CTG9 323749	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.79 3.15 0.00	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.49 2.22 0.00	30.00 1.78 0.00
BEACON___LESR 323632	27.12 0.97 0.00	25.37 0.86 0.00	24.02 0.79 0.00	24.20 0.75 0.00	25.57 0.82 0.00	28.33 0.88 0.00	35.13 1.25 0.00	39.55 1.30 0.00	32.09 0.99 0.00	29.05 0.90 0.00	27.33 0.85 0.00	27.19 0.82 0.00	27.89 0.92 0.00	28.67 0.89 0.00	29.93 0.98 0.00	31.85 1.17 0.00	35.61 1.34 0.00	40.79 1.68 0.00	44.47 1.83 0.00	47.15 1.98 0.00	44.01 1.77 0.00	36.36 1.47 0.00	33.65 1.39 0.00	29.30 1.07 0.00
BEAVER RIVER___HYD 24048	25.65 -0.50 0.00	24.07 -0.44 0.00	22.81 -0.42 0.00	23.00 -0.45 0.00	24.39 -0.37 0.00	27.09 -0.36 0.00	33.30 -0.58 0.00	37.83 -0.42 0.00	30.59 -0.50 0.00	27.47 -0.68 0.00	25.82 -0.66 0.00	25.71 -0.66 0.00	26.27 -0.70 0.00	27.14 -0.64 0.00	28.33 -0.61 0.00	30.07 -0.61 0.00	33.31 -0.96 0.00	37.82 -1.29 0.00	41.49 -1.15 0.00	43.85 -1.31 0.00	40.97 -1.27 0.00	33.67 -1.22 0.00	31.11 -1.16 0.00	27.18 -1.04 0.00
BEEBEE_GT_13 23619	24.97 -1.18 0.00	23.11 -1.40 0.00	22.07 -1.16 0.00	22.46 -0.98 0.00	23.59 -1.16 0.00	26.35 -1.10 0.00	32.62 -1.25 0.00	37.18 -1.07 0.00	30.32 -0.78 0.00	27.28 -0.87 0.00	25.90 -0.58 0.00	25.81 -0.55 0.00	26.08 -0.89 0.00	27.09 -0.69 0.00	28.10 -0.84 0.00	29.49 -1.20 0.00	33.18 -1.10 0.00	37.58 -1.53 0.00	41.06 -1.58 0.00	43.49 -1.67 0.00	40.84 -1.39 0.00	33.74 -1.15 0.00	31.33 -0.94 0.00	27.46 -0.76 0.00
BENSHRST_27_KV_BENSHRST_1 355998	28.20 2.04 -0.01	26.46 1.94 -0.01	24.95 1.72 0.00	25.11 1.66 0.00	26.55 1.78 -0.01	29.26 1.81 0.00	36.24 2.37 0.00	40.97 2.72 0.00	33.61 2.52 0.00	30.61 2.45 -0.01	28.63 2.15 0.00	28.56 2.19 -0.01	29.33 2.35 -0.01	30.12 2.33 -0.01	31.50 2.55 -0.01	33.67 2.98 -0.01	37.67 3.39 0.00	42.90 3.79 0.00	46.30 3.67 0.00	49.00 3.84 0.00	45.82 3.59 0.00	38.10 3.21 0.00	35.04 2.77 0.00	30.49 2.26 -0.01
BETHLEHEM___GRP 23843	26.72 0.58 0.00	25.05 0.54 0.00	23.72 0.49 0.00	23.89 0.45 0.00	25.23 0.47 0.00	27.94 0.49 0.00	34.55 0.68 0.00	38.94 0.69 0.00	31.68 0.59 0.00	28.71 0.56 0.00	26.99 0.50 0.00	26.87 0.50 0.00	27.54 0.57 0.00	28.31 0.53 0.00	29.49 0.55 0.00	31.42 0.74 0.00	35.10 0.82 0.00	40.16 1.06 0.00	43.74 1.11 0.00	46.38 1.22 0.00	43.33 1.10 0.00	35.84 0.94 0.00	33.20 0.94 0.00	28.87 0.65 0.00
BETHLEHEM___GS1 323560	26.75 0.60 0.00	25.05 0.54 0.00	23.72 0.49 0.00	23.89 0.44 0.00	25.23 0.47 0.00	27.95 0.49 0.00	34.62 0.74 0.00	38.94 0.69 0.00	31.65 0.56 0.00	28.68 0.53 0.00	26.98 0.50 0.00	26.87 0.50 0.00	27.54 0.57 0.00	28.31 0.53 0.00	29.55 0.61 0.00	31.42 0.74 0.00	35.09 0.82 0.00	40.16 1.06 0.00	43.74 1.11 0.00	46.38 1.22 0.00	43.33 1.10 0.00	35.84 0.94 0.00	33.20 0.94 0.00	28.87 0.65 0.00
BETHLEHEM___GS2 323561	26.75 0.60 0.00	25.05 0.54 0.00	23.72 0.49 0.00	23.89 0.44 0.00	25.23 0.47 0.00	27.95 0.49 0.00	34.62 0.74 0.00	38.94 0.69 0.00	31.65 0.56 0.00	28.68 0.53 0.00	26.98 0.50 0.00	26.87 0.50 0.00	27.54 0.57 0.00	28.31 0.53 0.00	29.55 0.61 0.00	31.42 0.74 0.00	35.09 0.82 0.00	40.16 1.06 0.00	43.74 1.11 0.00	46.38 1.22 0.00	43.33 1.10 0.00	35.84 0.94 0.00	33.20 0.94 0.00	28.87 0.65 0.00
BETHLEHEM___GS3 323562	26.75 0.60 0.00	25.05 0.54 0.00	23.72 0.49 0.00	23.89 0.44 0.00	25.23 0.47 0.00	27.95 0.49 0.00	34.62 0.74 0.00	38.94 0.69 0.00	31.65 0.56 0.00	28.68 0.53 0.00	26.98 0.50 0.00	26.87 0.50 0.00	27.54 0.57 0.00	28.31 0.53 0.00	29.55 0.61 0.00	31.42 0.74 0.00	35.09 0.82 0.00	40.16 1.06 0.00	43.74 1.11 0.00	46.38 1.22 0.00	43.33 1.10 0.00	35.84 0.94 0.00	33.20 0.94 0.00	28.87 0.65 0.00
BETHLEHEM___STEEL 23779	24.53 -1.62 0.00	22.62 -1.89 0.00	21.67 -1.56 0.00	22.06 -1.38 0.00	23.05 -1.71 0.00	25.86 -1.59 0.00	32.01 -1.86 0.00	36.49 -1.76 0.00	29.91 -1.18 0.00	26.74 -1.41 0.00	25.61 -0.87 0.00	25.39 -0.98 0.00	25.44 -1.54 0.00	26.42 -1.36 0.00	27.47 -1.48 0.00	28.66 -2.03 0.00	32.11 -2.16 0.00	36.33 -2.78 0.00	39.86 -2.77 0.00	42.09 -3.07 0.00	39.49 -2.75 0.00	32.80 -2.09 0.00	30.46 -1.81 0.00	26.79 -1.44 0.00
BETHLHEM_115KV_TB1 79974	26.78 0.63 0.00	25.10 0.59 0.00	23.74 0.51 0.00	23.94 0.49 0.00	25.28 0.52 0.00	28.00 0.55 0.00	34.62 0.75 0.00	39.02 0.77 0.00	31.71 0.62 0.00	28.74 0.59 0.00	27.04 0.56 0.00	26.89 0.53 0.00	27.57 0.59 0.00	28.37 0.58 0.00	29.55 0.61 0.00	31.45 0.77 0.00	35.16 0.89 0.00	40.24 1.13 0.00	43.87 1.24 0.00	46.47 1.31 0.00	43.42 1.18 0.00	35.91 1.01 0.00	33.23 0.97 0.00	28.93 0.71 0.00
BETHPAGE_CC_5 323564	28.27 2.12 0.00	26.35 1.84 0.00	24.95 1.72 0.00	25.09 1.64 0.00	26.37 1.61 0.00	29.23 1.78 0.00	36.65 2.78 0.00	41.24 2.99 0.00	33.39 2.30 0.00	30.40 2.25 0.00	28.68 2.20 0.00	28.40 2.03 0.00	29.31 2.29 -0.05	30.16 2.28 -0.10	31.45 2.46 -0.05	33.53 2.76 -0.08	37.36 3.02 -0.08	44.13 3.60 -1.43	50.78 3.67 -4.48	52.37 3.98 -3.23	50.59 3.67 -4.68	40.65 3.17 -2.58	36.57 3.07 -1.24	30.32 2.09 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	24.55 -1.60 0.00	22.65 -1.86 0.00	21.70 -1.53 0.00	22.11 -1.34 0.00	23.07 -1.68 0.00	25.89 -1.56 0.00	32.04 -1.83 0.00	36.53 -1.72 0.00	29.94 -1.15 0.00	26.77 -1.38 0.00	25.61 -0.87 0.00	25.42 -0.95 0.00	25.46 -1.51 0.00	26.45 -1.33 0.00	27.47 -1.48 0.00	28.69 -1.99 0.00	32.11 -2.16 0.00	36.33 -2.78 0.00	39.91 -2.73 0.00	42.09 -3.07 0.00	39.49 -2.75 0.00	32.80 -2.09 0.00	30.46 -1.81 0.00	26.79 -1.44 0.00



BINGHAMTON___COGEN 23790	26.10 -0.05 0.00	24.39 -0.12 0.00	23.14 -0.09 0.00	23.40 -0.05 0.00	24.63 -0.12 0.00	27.42 -0.03 0.00	33.87 0.00 0.00	38.37 0.11 0.00	31.28 0.19 0.00	28.18 0.03 0.00	26.56 0.08 0.00	26.45 0.08 0.00	26.92 -0.05 0.00	27.81 0.03 0.00	28.94 0.00 0.00	30.65 -0.03 0.00	34.27 0.00 0.00	39.03 -0.08 0.00	42.72 0.09 0.00	45.21 0.05 0.00	42.32 0.08 0.00	35.00 0.10 0.00	32.33 0.06 0.00	28.34 0.11 0.00
BIXINCNT_115KV_LOAD 355685	24.89 -1.26 0.00	22.97 -1.54 0.00	22.00 -1.23 0.00	22.39 -1.06 0.00	23.35 -1.41 0.00	26.24 -1.21 0.00	32.42 -1.46 0.00	36.91 -1.34 0.00	30.25 -0.84 0.00	26.99 -1.15 0.00	25.87 -0.61 0.00	25.58 -0.79 0.00	25.49 -1.48 0.00	26.48 -1.31 0.00	27.55 -1.39 0.00	28.81 -1.87 0.00	32.15 -2.12 0.00	36.41 -2.70 0.00	39.95 -2.69 0.00	42.05 -3.12 0.00	39.28 -2.96 0.00	32.52 -2.37 0.00	30.14 -2.13 0.00	26.50 -1.72 0.00
BLACK RIVER___HYD 24047	25.65 -0.50 0.00	24.07 -0.44 0.00	22.79 -0.44 0.00	22.98 -0.47 0.00	24.36 -0.40 0.00	27.09 -0.36 0.00	33.26 -0.61 0.00	38.10 -0.15 0.00	30.81 -0.28 0.00	27.59 -0.56 0.00	25.93 -0.56 0.00	25.81 -0.55 0.00	26.38 -0.59 0.00	27.25 -0.53 0.00	28.45 -0.49 0.00	30.23 -0.46 0.00	33.52 -0.75 0.00	37.89 -1.21 0.00	41.74 -0.90 0.00	44.21 -0.95 0.00	41.35 -0.89 0.00	33.95 -0.94 0.00	31.36 -0.90 0.00	27.43 -0.79 0.00
BLACKRVR_115KV_TB2 79977	25.68 -0.47 0.00	24.07 -0.44 0.00	22.79 -0.44 0.00	22.98 -0.47 0.00	24.36 -0.40 0.00	27.09 -0.36 0.00	33.30 -0.58 0.00	38.10 -0.15 0.00	30.81 -0.28 0.00	27.59 -0.56 0.00	25.93 -0.56 0.00	25.81 -0.55 0.00	26.38 -0.59 0.00	27.25 -0.53 0.00	28.45 -0.49 0.00	30.22 -0.46 0.00	33.52 -0.75 0.00	37.89 -1.21 0.00	41.74 -0.90 0.00	44.21 -0.95 0.00	41.35 -0.89 0.00	33.95 -0.94 0.00	31.36 -0.90 0.00	27.43 -0.79 0.00
BLISS_WT_PWR 323608	24.71 -1.44 0.00	22.97 -1.54 0.00	21.86 -1.37 0.00	22.37 -1.08 0.00	23.35 -1.41 0.00	26.24 -1.21 0.00	31.84 -2.03 0.00	36.91 -1.34 0.00	30.22 -0.87 0.00	26.99 -1.16 0.00	25.79 -0.69 0.00	25.47 -0.90 0.00	25.41 -1.57 0.00	26.39 -1.39 0.00	27.21 -1.74 0.00	28.75 -1.93 0.00	32.08 -2.19 0.00	36.33 -2.78 0.00	39.90 -2.73 0.00	41.87 -3.29 0.00	39.11 -3.12 0.00	32.35 -2.55 0.00	30.07 -2.20 0.00	26.33 -1.89 0.00
BLUESTONE___WT_PWR 323821	27.06 0.91 0.00	25.35 0.83 0.00	24.02 0.79 0.00	24.29 0.84 0.00	25.67 0.92 0.00	28.60 1.15 0.00	35.26 1.39 0.00	40.20 1.95 0.00	32.52 1.43 0.00	29.16 1.01 0.00	27.46 0.98 0.00	27.34 0.98 0.00	27.81 0.84 0.00	28.70 0.92 0.00	29.84 0.90 0.00	31.76 1.07 0.00	35.71 1.44 0.00	40.59 1.49 0.00	44.60 1.96 0.00	47.10 1.94 0.00	43.93 1.69 0.00	36.11 1.22 0.00	33.30 1.03 0.00	29.07 0.85 0.00
BLUE_CIRC_CHEM_DRP 24182	26.99 0.84 0.00	25.30 0.78 0.00	23.95 0.72 0.00	24.13 0.68 0.00	25.50 0.74 0.00	28.22 0.77 0.00	34.89 1.02 0.00	39.29 1.03 0.00	31.84 0.75 0.00	28.80 0.65 0.00	27.04 0.56 0.00	26.92 0.55 0.00	27.57 0.59 0.00	28.37 0.58 0.00	29.58 0.64 0.00	31.48 0.80 0.00	35.27 0.99 0.00	40.40 1.29 0.00	44.13 1.49 0.00	46.79 1.63 0.00	43.76 1.52 0.00	36.19 1.29 0.00	33.46 1.19 0.00	29.16 0.93 0.00
BOC_GAS_DRP 24189	26.86 0.71 0.00	25.17 0.66 0.00	23.83 0.60 0.00	24.01 0.56 0.00	25.35 0.59 0.00	28.08 0.63 0.00	34.72 0.85 0.00	39.21 0.96 0.00	31.87 0.78 0.00	28.88 0.73 0.00	27.14 0.66 0.00	27.03 0.66 0.00	27.68 0.70 0.00	28.48 0.69 0.00	29.67 0.72 0.00	31.57 0.89 0.00	35.34 1.06 0.00	40.40 1.29 0.00	44.04 1.41 0.00	46.65 1.49 0.00	43.63 1.39 0.00	36.08 1.19 0.00	33.33 1.06 0.00	29.02 0.79 0.00
BOONVILLE_115KV_TB1 79983	26.36 0.21 0.00	24.71 0.20 0.00	23.42 0.19 0.00	23.61 0.16 0.00	24.98 0.22 0.00	27.75 0.30 0.00	34.18 0.30 0.00	38.79 0.54 0.00	31.40 0.31 0.00	28.26 0.11 0.00	26.59 0.11 0.00	26.47 0.11 0.00	27.08 0.11 0.00	27.95 0.17 0.00	29.15 0.20 0.00	30.93 0.25 0.00	34.51 0.24 0.00	39.22 0.12 0.00	42.93 0.30 0.00	45.39 0.23 0.00	42.45 0.21 0.00	34.93 0.03 0.00	32.27 0.00 0.00	28.20 -0.03 0.00
BORALEX_4TH_BRANCH 23824	27.46 1.31 0.00	25.74 1.23 0.00	24.32 1.09 0.00	24.53 1.08 0.00	25.90 1.14 0.00	28.71 1.26 0.00	35.70 1.83 0.00	40.32 2.07 0.00	32.65 1.55 0.00	29.53 1.38 0.00	27.73 1.24 0.00	27.55 1.19 0.00	28.24 1.27 0.00	29.03 1.25 0.00	30.19 1.24 0.00	32.13 1.44 0.00	36.12 1.85 0.00	41.37 2.27 0.00	45.23 2.60 0.00	48.05 2.89 0.00	44.94 2.70 0.00	37.16 2.27 0.00	34.30 2.03 0.00	29.78 1.55 0.00
BOWLINE___1 23526	27.48 1.33 0.00	25.74 1.23 0.00	24.41 1.18 0.00	24.55 1.10 0.00	25.92 1.16 0.00	28.69 1.24 0.00	35.56 1.69 0.00	40.13 1.87 0.00	32.80 1.71 0.00	29.78 1.63 0.00	27.96 1.48 0.00	27.84 1.48 0.00	28.54 1.56 0.00	29.31 1.53 0.00	30.65 1.71 0.00	32.68 1.99 0.00	36.60 2.33 0.00	41.84 2.74 0.00	45.40 2.77 0.00	48.14 2.98 0.00	45.02 2.79 0.00	37.23 2.34 0.00	34.23 1.97 0.00	29.78 1.55 0.00
BOWLINE___2 23595	27.48 1.33 0.00	25.74 1.23 0.00	24.41 1.18 0.00	24.55 1.10 0.00	25.92 1.16 0.00	28.69 1.24 0.00	35.56 1.69 0.00	40.13 1.87 0.00	32.80 1.71 0.00	29.78 1.63 0.00	27.94 1.46 0.00	27.84 1.48 0.00	28.54 1.56 0.00	29.31 1.53 0.00	30.65 1.71 0.00	32.68 1.99 0.00	36.60 2.33 0.00	41.84 2.74 0.00	45.40 2.77 0.00	48.14 2.98 0.00	45.02 2.79 0.00	37.23 2.34 0.00	34.23 1.97 0.00	29.78 1.55 0.00
BRADY___115KV_TB2 356060	25.89 -0.26 0.00	24.39 -0.12 0.00	23.11 -0.12 0.00	23.38 -0.07 0.00	24.81 0.05 0.00	27.48 0.03 0.00	33.67 -0.20 0.00	37.79 -0.46 0.00	30.47 -0.62 0.00	27.61 -0.53 0.00	25.95 -0.53 0.00	25.81 -0.55 0.00	26.46 -0.51 0.00	27.28 -0.50 0.00	28.42 -0.52 0.00	30.10 -0.58 0.00	33.62 -0.65 0.00	38.32 -0.78 0.00	41.87 -0.77 0.00	44.35 -0.81 0.00	41.52 -0.72 0.00	34.16 -0.73 0.00	31.65 -0.61 0.00	27.63 -0.59 0.00
BRANSCOMB___SOLAR 323811	27.51 1.36 0.00	25.74 1.23 0.00	24.37 1.14 0.00	24.55 1.10 0.00	25.97 1.21 0.00	28.80 1.34 0.00	35.70 1.83 0.00	40.24 1.99 0.00	32.46 1.37 0.00	29.30 1.15 0.00	27.51 1.03 0.00	27.37 1.00 0.00	28.22 1.24 0.00	29.03 1.25 0.00	30.33 1.39 0.00	31.79 1.10 0.00	35.65 1.37 0.00	40.94 1.84 0.00	44.68 2.05 0.00	47.51 2.35 0.00	44.43 2.19 0.00	36.67 1.78 0.00	33.91 1.64 0.00	29.78 1.55 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	28.40 2.25 0.00	26.60 2.08 0.00	25.02 1.79 0.00	25.21 1.76 0.00	26.61 1.86 0.00	29.51 2.06 0.00	36.92 3.05 0.00	41.66 3.40 0.00	33.55 2.46 0.00	30.48 2.34 0.00	28.70 2.22 0.00	28.37 2.00 0.00	29.23 2.24 -0.02	29.85 2.03 -0.04	31.51 2.55 -0.02	33.26 2.55 -0.03	37.28 2.98 -0.03	43.37 3.64 -0.62	48.61 4.01 -1.97	50.83 4.25 -1.42	48.27 3.97 -2.06	39.45 3.42 -1.14	36.03 3.23 -0.53	30.62 2.40 0.00



BRISTLHL_115KV_TB1 79998	25.70 -0.44 0.00	24.05 -0.47 0.00	22.81 -0.42 0.00	23.05 -0.40 0.00	24.29 -0.47 0.00	26.96 -0.49 0.00	33.30 -0.58 0.00	37.64 -0.61 0.00	30.60 -0.50 0.00	27.64 -0.51 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.49 -0.49 0.00	27.34 -0.44 0.00	28.48 -0.46 0.00	30.10 -0.58 0.00	33.55 -0.72 0.00	38.21 -0.90 0.00	41.70 -0.94 0.00	44.21 -0.95 0.00	41.39 -0.84 0.00	34.20 -0.70 0.00	31.68 -0.58 0.00	27.83 -0.40 0.00
BROOKHAVEN___DRP 24191	28.03 1.88 0.00	26.33 1.81 0.00	24.79 1.56 0.00	24.97 1.52 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.65 2.78 0.00	41.35 3.10 0.00	32.87 1.77 0.00	29.81 1.66 0.00	27.99 1.51 0.00	27.68 1.32 0.00	28.71 1.73 -0.01	29.50 1.69 -0.03	30.78 1.82 -0.01	32.89 2.18 -0.02	36.90 2.60 -0.02	42.88 3.28 -0.49	48.32 4.14 -1.55	50.52 4.25 -1.12	47.87 4.01 -1.62	39.38 3.59 -0.89	36.10 3.42 -0.42	30.11 1.89 0.00
BROOKLYN_NAVY_YARD 23515	27.80 1.65 0.00	26.06 1.55 0.00	24.65 1.42 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.90 1.45 0.00	35.97 2.10 0.00	40.47 2.22 0.00	33.21 2.12 0.00	30.23 2.08 0.00	28.28 1.80 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.83 3.20 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.54 2.65 0.00	34.52 2.26 0.00	30.03 1.81 0.00
BROOKLYN___ARMY_DRP 323595	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
BROOKVLE_69_KV_TB1 55790	28.03 1.88 0.00	26.30 1.79 0.00	24.79 1.56 0.00	24.95 1.50 0.00	26.34 1.58 0.00	29.18 1.73 0.00	36.28 2.40 0.00	40.97 2.72 0.00	33.33 2.24 0.00	30.32 2.17 -0.01	28.56 2.07 -0.01	28.33 1.95 -0.01	29.34 2.27 -0.09	30.25 2.28 -0.18	31.47 2.43 -0.09	33.64 2.79 -0.16	37.61 3.19 -0.15	45.47 3.64 -2.72	54.90 3.75 -8.51	55.22 3.93 -6.13	54.76 3.63 -8.90	42.90 3.11 -4.90	37.49 2.90 -2.33	30.32 2.09 -0.01
BROOME_2_LFGE 323671	26.07 -0.08 0.00	24.39 -0.12 0.00	23.14 -0.09 0.00	23.40 -0.05 0.00	24.63 -0.12 0.00	27.42 -0.03 0.00	33.77 -0.10 0.00	38.37 0.12 0.00	31.28 0.19 0.00	28.18 0.03 0.00	26.56 0.08 0.00	26.42 0.05 0.00	26.92 -0.05 0.00	27.81 0.03 0.00	28.89 -0.06 0.00	30.65 -0.03 0.00	34.27 0.00 0.00	39.03 -0.08 0.00	42.76 0.13 0.00	45.21 0.05 0.00	42.32 0.08 0.00	35.00 0.10 0.00	32.36 0.10 0.00	28.34 0.11 0.00
BROOME___LFGE 323600	26.07 -0.08 0.00	24.39 -0.12 0.00	23.14 -0.09 0.00	23.40 -0.05 0.00	24.63 -0.12 0.00	27.42 -0.03 0.00	33.77 -0.10 0.00	38.37 0.12 0.00	31.28 0.19 0.00	28.18 0.03 0.00	26.56 0.08 0.00	26.42 0.05 0.00	26.92 -0.05 0.00	27.81 0.03 0.00	28.89 -0.06 0.00	30.65 -0.03 0.00	34.27 0.00 0.00	39.03 -0.08 0.00	42.76 0.13 0.00	45.21 0.05 0.00	42.32 0.08 0.00	35.00 0.10 0.00	32.36 0.10 0.00	28.34 0.11 0.00
BROWNFLS_115KV_TB_3_5 80003	25.31 -0.84 0.00	23.78 -0.74 0.00	22.53 -0.70 0.00	22.77 -0.68 0.00	24.16 -0.59 0.00	26.79 -0.66 0.00	32.79 -1.08 0.00	37.11 -1.15 0.00	29.97 -1.12 0.00	27.05 -1.10 0.00	25.40 -1.09 0.00	25.29 -1.08 0.00	25.90 -1.08 0.00	26.75 -1.03 0.00	27.90 -1.04 0.00	29.55 -1.14 0.00	32.83 -1.44 0.00	37.31 -1.80 0.00	40.80 -1.83 0.00	43.18 -1.99 0.00	40.33 -1.90 0.00	33.18 -1.71 0.00	30.68 -1.58 0.00	26.79 -1.44 0.00
BROWNSV1_27_KV_LOAD 356125	27.93 1.78 0.00	26.20 1.69 0.00	24.74 1.51 0.00	24.90 1.45 0.00	26.32 1.56 0.00	29.07 1.62 0.00	36.04 2.17 0.00	40.78 2.52 0.00	33.43 2.33 0.00	30.40 2.25 0.00	28.47 1.99 0.00	28.37 2.00 0.00	29.13 2.16 0.00	29.95 2.17 0.00	31.29 2.34 0.00	33.42 2.73 0.00	37.39 3.12 0.00	42.70 3.60 0.00	46.22 3.58 0.00	48.91 3.75 0.00	45.74 3.51 0.00	37.83 2.93 0.00	34.75 2.48 0.00	30.23 2.00 0.00
BURROWS___LYONSDAL 23803	26.20 0.05 0.00	24.59 0.07 0.00	23.28 0.05 0.00	23.50 0.05 0.00	24.86 0.10 0.00	27.62 0.16 0.00	34.01 0.14 0.00	38.60 0.34 0.00	31.25 0.16 0.00	28.09 -0.06 0.00	26.40 -0.08 0.00	26.31 -0.05 0.00	26.89 -0.08 0.00	27.75 -0.03 0.00	28.94 0.00 0.00	30.75 0.06 0.00	34.20 -0.07 0.00	38.87 -0.23 0.00	42.59 -0.04 0.00	44.98 -0.18 0.00	42.02 -0.21 0.00	34.58 -0.31 0.00	31.94 -0.32 0.00	27.91 -0.31 0.00
CAITHNESS_CC_1 323624	28.27 2.12 0.00	26.30 1.79 0.00	25.02 1.79 0.00	25.18 1.74 0.00	26.29 1.54 0.00	29.13 1.67 0.00	36.75 2.88 0.00	41.35 3.10 0.00	32.99 1.90 0.00	29.97 1.83 0.00	28.20 1.72 0.00	27.89 1.53 0.00	28.76 1.78 -0.01	29.56 1.75 -0.03	30.89 1.94 -0.01	32.95 2.24 -0.02	36.93 2.64 -0.02	42.91 3.32 -0.48	48.01 3.84 -1.54	50.47 4.20 -1.11	47.86 4.01 -1.61	39.31 3.52 -0.89	35.87 3.20 -0.41	30.14 1.92 0.00
CALPINE BETH_PAGE_GT4 24209	28.11 1.96 0.00	26.35 1.84 0.00	24.81 1.58 0.00	24.97 1.52 0.00	26.37 1.61 0.00	29.21 1.76 0.00	36.34 2.47 0.00	40.97 2.72 0.00	33.15 2.05 0.00	30.15 2.00 0.00	28.42 1.93 -0.01	28.17 1.79 -0.01	29.20 2.16 -0.06	30.07 2.17 -0.12	31.32 2.32 -0.06	33.46 2.67 -0.11	37.28 2.91 -0.10	44.34 3.40 -1.83	51.89 3.54 -5.71	53.03 3.75 -4.12	51.71 3.51 -5.97	41.22 3.04 -3.29	36.85 3.00 -1.59	30.23 2.00 0.00
CALPINE_BETH_PAGE_GT_4 323586	28.24 2.09 0.00	26.35 1.84 0.00	24.93 1.69 0.00	25.09 1.64 0.00	26.37 1.61 0.00	29.21 1.76 0.00	36.61 2.74 0.00	41.24 2.99 0.00	33.39 2.30 0.00	30.41 2.25 0.00	28.68 2.20 -0.01	28.43 2.06 -0.01	29.33 2.29 -0.06	30.19 2.28 -0.12	31.50 2.49 -0.06	33.52 2.73 -0.11	37.28 2.91 -0.10	44.33 3.40 -1.83	51.84 3.50 -5.71	53.02 3.75 -4.12	51.71 3.50 -5.97	41.22 3.03 -3.29	36.82 2.97 -1.59	30.23 2.00 0.00
CALPINE_BP_GT1 23823	28.24 2.09 0.00	26.35 1.84 0.00	24.93 1.69 0.00	25.09 1.64 0.00	26.37 1.61 0.00	29.21 1.76 0.00	36.61 2.74 0.00	41.24 2.99 0.00	33.39 2.30 0.00	30.41 2.25 0.00	28.68 2.20 -0.01	28.43 2.06 -0.01	29.33 2.29 -0.06	30.19 2.28 -0.12	31.50 2.49 -0.06	33.52 2.73 -0.11	37.28 2.91 -0.10	44.33 3.40 -1.83	51.84 3.50 -5.71	53.02 3.75 -4.12	51.71 3.50 -5.97	41.22 3.03 -3.29	36.82 2.97 -1.59	30.23 2.00 0.00
CALSPAN___DRP 24200	24.53 -1.62 0.00	22.62 -1.89 0.00	21.67 -1.56 0.00	22.06 -1.38 0.00	23.05 -1.71 0.00	25.86 -1.59 0.00	32.01 -1.86 0.00	36.49 -1.76 0.00	29.91 -1.18 0.00	26.74 -1.41 0.00	25.61 -0.87 0.00	25.39 -0.98 0.00	25.44 -1.54 0.00	26.42 -1.36 0.00	27.47 -1.48 0.00	28.66 -2.03 0.00	32.11 -2.16 0.00	36.33 -2.78 0.00	39.86 -2.77 0.00	42.09 -3.07 0.00	39.49 -2.75 0.00	32.80 -2.09 0.00	30.46 -1.81 0.00	26.79 -1.44 0.00



CALVERTON___SOLAR 323806	28.32 2.17 0.00	26.35 1.84 0.00	25.09 1.86 0.00	25.25 1.81 0.00	26.34 1.59 0.00	29.18 1.73 0.00	36.89 3.01 0.00	41.50 3.25 0.00	32.96 1.87 0.00	29.89 1.75 0.00	28.07 1.59 0.00	27.76 1.40 0.00	28.66 1.67 -0.01	29.45 1.64 -0.03	30.78 1.82 -0.01	32.82 2.12 -0.02	36.87 2.57 -0.02	42.88 3.29 -0.49	48.10 3.92 -1.55	50.62 4.34 -1.12	48.00 4.14 -1.62	39.42 3.63 -0.90	35.98 3.29 -0.42	30.11 1.89 0.00
CANDIGU_WT_PWR 323617	25.23 -0.92 0.00	23.53 -0.98 0.00	22.35 -0.88 0.00	22.75 -0.70 0.00	23.87 -0.89 0.00	26.68 -0.77 0.00	32.62 -1.25 0.00	37.37 -0.88 0.00	30.38 -0.71 0.00	27.22 -0.93 0.00	25.79 -0.69 0.00	25.60 -0.77 0.00	25.84 -1.13 0.00	26.75 -1.03 0.00	27.61 -1.33 0.00	29.24 -1.44 0.00	32.87 -1.41 0.00	37.39 -1.72 0.00	41.18 -1.45 0.00	43.40 -1.76 0.00	40.63 -1.60 0.00	33.60 -1.29 0.00	31.14 -1.13 0.00	27.41 -0.82 0.00
CARR STREET_E_SYR 24060	25.81 -0.34 0.00	24.17 -0.34 0.00	22.90 -0.33 0.00	23.14 -0.31 0.00	24.41 -0.35 0.00	27.09 -0.36 0.00	33.40 -0.47 0.00	37.87 -0.38 0.00	30.78 -0.31 0.00	27.81 -0.34 0.00	26.19 -0.29 0.00	26.08 -0.29 0.00	26.65 -0.32 0.00	27.50 -0.28 0.00	28.60 -0.35 0.00	30.29 -0.40 0.00	33.76 -0.51 0.00	38.44 -0.67 0.00	42.00 -0.64 0.00	44.49 -0.68 0.00	41.64 -0.59 0.00	34.41 -0.49 0.00	31.88 -0.39 0.00	27.97 -0.25 0.00
CARTHAGE___PAPER 23857	25.63 -0.52 0.00	24.05 -0.47 0.00	22.79 -0.44 0.00	22.98 -0.47 0.00	24.39 -0.37 0.00	27.09 -0.36 0.00	33.30 -0.58 0.00	37.95 -0.31 0.00	30.66 -0.44 0.00	27.50 -0.65 0.00	25.82 -0.66 0.00	25.71 -0.66 0.00	26.27 -0.70 0.00	27.14 -0.64 0.00	28.33 -0.61 0.00	30.10 -0.58 0.00	33.35 -0.92 0.00	37.82 -1.29 0.00	41.57 -1.06 0.00	43.99 -1.17 0.00	41.14 -1.10 0.00	33.78 -1.12 0.00	31.17 -1.10 0.00	27.24 -0.99 0.00
CASSADAGA_WT_PWR 323784	25.31 -0.84 0.00	23.48 -1.03 0.00	22.32 -0.91 0.00	22.72 -0.73 0.00	23.67 -1.09 0.00	26.52 -0.93 0.00	32.21 -1.66 0.00	37.45 -0.81 0.00	30.84 -0.25 0.00	27.59 -0.56 0.00	26.46 -0.03 0.00	26.24 -0.13 0.00	26.25 -0.73 0.00	27.23 -0.56 0.00	27.87 -1.07 0.00	29.49 -1.20 0.00	32.94 -1.34 0.00	37.35 -1.76 0.00	41.14 -1.49 0.00	43.31 -1.85 0.00	40.54 -1.69 0.00	33.53 -1.36 0.00	30.97 -1.29 0.00	27.01 -1.21 0.00
CE_DUNWOOD___DRP 24194	27.64 1.49 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.80 1.35 0.00	35.63 1.76 0.00	40.32 2.07 0.00	32.96 1.87 0.00	29.95 1.80 0.00	28.10 1.62 0.00	27.98 1.61 0.00	28.70 1.73 0.00	29.48 1.69 0.00	30.80 1.85 0.00	32.89 2.21 0.00	36.84 2.57 0.00	42.08 2.97 0.00	45.70 3.07 0.00	48.41 3.25 0.00	45.23 3.00 0.00	37.41 2.51 0.00	34.43 2.16 0.00	29.89 1.67 0.00
CE_MILLWOOD___DRP 24193	27.56 1.41 0.00	25.86 1.35 0.00	24.46 1.23 0.00	24.62 1.17 0.00	26.00 1.24 0.00	28.77 1.32 0.00	35.57 1.69 0.00	40.24 1.99 0.00	32.90 1.80 0.00	29.87 1.72 0.00	28.02 1.54 0.00	27.90 1.53 0.00	28.65 1.67 0.00	29.42 1.64 0.00	30.74 1.79 0.00	32.80 2.12 0.00	36.74 2.47 0.00	42.00 2.89 0.00	45.62 2.98 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.36 2.10 0.00	29.83 1.61 0.00
CE_NYC2_DRP 24202	27.88 1.73 0.00	26.18 1.67 0.00	24.72 1.49 0.00	24.86 1.41 0.00	26.27 1.51 0.00	29.02 1.56 0.00	35.90 2.03 0.00	40.62 2.37 0.00	33.33 2.24 0.00	30.35 2.20 -0.01	28.42 1.93 0.00	28.33 1.95 -0.01	29.09 2.10 -0.01	29.87 2.08 -0.01	31.21 2.26 -0.01	33.33 2.64 -0.01	37.29 3.02 0.00	42.51 3.40 0.00	45.92 3.28 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.69 2.79 0.00	34.65 2.39 0.00	30.14 1.92 0.00
CE_NYC_DRP 24195	27.80 1.65 0.00	26.08 1.57 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	35.84 1.96 0.00	40.55 2.30 0.00	33.24 2.15 0.00	30.23 2.08 0.00	28.31 1.83 0.00	28.21 1.85 0.00	28.97 2.00 0.00	29.78 2.00 0.00	31.11 2.17 0.00	33.23 2.55 0.00	37.19 2.91 0.00	42.47 3.36 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.56 2.29 0.00	30.06 1.83 0.00
CHAFFEE___LFGE 323603	24.55 -1.60 0.00	22.84 -1.67 0.00	21.77 -1.46 0.00	22.20 -1.24 0.00	23.20 -1.56 0.00	26.11 -1.34 0.00	31.74 -2.13 0.00	36.72 -1.53 0.00	30.13 -0.96 0.00	26.83 -1.32 0.00	25.58 -0.90 0.00	25.31 -1.06 0.00	25.38 -1.59 0.00	26.31 -1.47 0.00	27.09 -1.85 0.00	28.66 -2.03 0.00	32.11 -2.16 0.00	36.52 -2.58 0.00	40.25 -2.39 0.00	42.45 -2.71 0.00	39.78 -2.45 0.00	32.97 -1.92 0.00	30.59 -1.68 0.00	26.93 -1.30 0.00
CHATEAUG_35_KV_LOAD 355732	25.55 -0.60 0.00	24.17 -0.34 0.00	22.97 -0.26 0.00	23.28 -0.16 0.00	24.73 -0.02 0.00	27.40 -0.05 0.00	33.74 -0.14 0.00	37.79 -0.46 0.00	30.60 -0.50 0.00	27.98 -0.17 0.00	26.32 -0.16 0.00	26.16 -0.21 0.00	26.81 -0.16 0.00	27.53 -0.25 0.00	28.62 -0.32 0.00	30.22 -0.46 0.00	33.62 -0.65 0.00	38.25 -0.86 0.00	41.57 -1.07 0.00	43.94 -1.22 0.00	41.05 -1.18 0.00	33.78 -1.12 0.00	31.27 -1.00 0.00	27.27 -0.96 0.00
CHATEAUG_WT_PWR 323614	25.57 -0.58 0.00	24.14 -0.37 0.00	22.98 -0.26 0.00	23.26 -0.19 0.00	24.71 -0.05 0.00	27.37 -0.08 0.00	33.74 -0.13 0.00	37.80 -0.46 0.00	30.59 -0.50 0.00	28.04 -0.11 0.00	26.38 -0.11 0.00	26.21 -0.16 0.00	26.87 -0.11 0.00	27.62 -0.17 0.00	28.71 -0.23 0.00	30.29 -0.40 0.00	33.69 -0.58 0.00	38.32 -0.78 0.00	41.66 -0.98 0.00	43.95 -1.22 0.00	41.05 -1.18 0.00	33.81 -1.08 0.00	31.30 -0.97 0.00	27.29 -0.93 0.00
CHAT_HIGH_FALL_HYD 323578	25.55 -0.60 0.00	24.17 -0.34 0.00	22.97 -0.26 0.00	23.28 -0.16 0.00	24.73 -0.02 0.00	27.40 -0.05 0.00	33.74 -0.14 0.00	37.79 -0.46 0.00	30.60 -0.50 0.00	27.98 -0.17 0.00	26.32 -0.16 0.00	26.16 -0.21 0.00	26.81 -0.16 0.00	27.53 -0.25 0.00	28.62 -0.32 0.00	30.22 -0.46 0.00	33.62 -0.65 0.00	38.25 -0.86 0.00	41.57 -1.07 0.00	43.94 -1.22 0.00	41.05 -1.18 0.00	33.78 -1.12 0.00	31.27 -1.00 0.00	27.27 -0.96 0.00
CHAUTAUQUA___LFGE 323629	25.13 -1.02 0.00	23.34 -1.18 0.00	22.21 -1.02 0.00	22.65 -0.80 0.00	23.62 -1.14 0.00	26.49 -0.96 0.00	32.18 -1.69 0.00	37.41 -0.84 0.00	30.75 -0.34 0.00	27.50 -0.65 0.00	26.27 -0.21 0.00	26.05 -0.32 0.00	26.14 -0.84 0.00	27.09 -0.69 0.00	27.81 -1.13 0.00	29.43 -1.26 0.00	32.94 -1.34 0.00	37.35 -1.76 0.00	41.18 -1.45 0.00	43.35 -1.81 0.00	40.63 -1.60 0.00	33.64 -1.25 0.00	31.17 -1.10 0.00	27.24 -0.99 0.00
CHERRYST_13_KV_LD 356241	27.85 1.70 0.00	26.15 1.64 0.00	24.69 1.46 0.00	24.86 1.41 0.00	26.24 1.49 0.00	29.02 1.56 0.00	35.94 2.07 0.00	40.66 2.41 0.00	33.33 2.24 0.00	30.34 2.20 0.00	28.42 1.93 0.00	28.29 1.92 0.00	29.08 2.10 0.00	29.87 2.08 0.00	31.20 2.26 0.00	33.35 2.67 0.00	37.29 3.02 0.00	42.59 3.48 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.57 3.34 0.00	37.69 2.79 0.00	34.65 2.39 0.00	30.12 1.89 0.00



CHESTROR_138KV_BK263 355645	27.27 1.12 0.00	25.57 1.05 0.00	24.23 1.00 0.00	24.39 0.94 0.00	25.75 0.99 0.00	28.49 1.04 0.00	35.23 1.35 0.00	39.82 1.57 0.00	32.49 1.40 0.00	29.47 1.32 0.00	27.67 1.19 0.00	27.55 1.19 0.00	28.27 1.29 0.00	29.03 1.25 0.00	30.33 1.39 0.00	32.34 1.66 0.00	36.23 1.95 0.00	41.41 2.31 0.00	45.02 2.39 0.00	47.74 2.57 0.00	44.60 2.37 0.00	36.92 2.02 0.00	34.01 1.74 0.00	29.55 1.33 0.00
CH_MIDHUDSON___DRP 24192	27.54 1.39 0.00	25.81 1.30 0.00	24.41 1.18 0.00	24.57 1.13 0.00	25.95 1.19 0.00	28.71 1.26 0.00	35.53 1.66 0.00	40.17 1.91 0.00	32.74 1.65 0.00	29.67 1.52 0.00	27.83 1.35 0.00	27.74 1.37 0.00	28.46 1.48 0.00	29.20 1.42 0.00	30.51 1.56 0.00	32.59 1.90 0.00	36.50 2.23 0.00	41.77 2.66 0.00	45.41 2.77 0.00	48.14 2.98 0.00	45.02 2.79 0.00	37.27 2.37 0.00	34.30 2.03 0.00	29.78 1.55 0.00
CH_MISC_IPPS 23765	27.64 1.49 0.00	25.86 1.35 0.00	24.51 1.28 0.00	24.64 1.20 0.00	25.99 1.24 0.00	28.80 1.34 0.00	35.70 1.83 0.00	40.24 1.99 0.00	32.80 1.71 0.00	29.70 1.55 0.00	27.89 1.40 0.00	27.79 1.42 0.00	28.51 1.54 0.00	29.25 1.47 0.00	30.62 1.68 0.00	32.65 1.97 0.00	36.60 2.33 0.00	41.92 2.82 0.00	45.49 2.86 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.39 2.13 0.00	29.89 1.66 0.00
CH_RES_BVR_FALLS 23983	25.81 -0.34 0.00	24.24 -0.27 0.00	23.02 -0.21 0.00	23.24 -0.21 0.00	24.61 -0.15 0.00	27.26 -0.19 0.00	33.57 -0.31 0.00	37.80 -0.46 0.00	30.66 -0.44 0.00	27.81 -0.34 0.00	26.17 -0.32 0.00	26.05 -0.32 0.00	26.68 -0.30 0.00	27.45 -0.33 0.00	28.60 -0.35 0.00	30.26 -0.43 0.00	33.72 -0.55 0.00	38.44 -0.67 0.00	41.87 -0.77 0.00	44.26 -0.90 0.00	41.35 -0.89 0.00	34.06 -0.84 0.00	31.43 -0.84 0.00	27.41 -0.82 0.00
CH_RES_NIAGARA 23895	23.80 -2.35 0.00	21.94 -2.57 0.00	21.05 -2.18 0.00	21.46 -1.99 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	31.06 -2.81 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.09 -2.05 0.00	24.95 -1.54 0.00	24.78 -1.58 0.00	24.87 -2.10 0.00	25.81 -1.97 0.00	26.83 -2.11 0.00	27.95 -2.73 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.71 -3.92 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.78 -2.48 0.00	26.19 -2.03 0.00
CH_RES_SYRACUSE 23985	25.91 -0.24 0.00	24.29 -0.22 0.00	23.00 -0.23 0.00	23.29 -0.16 0.00	24.53 -0.22 0.00	27.23 -0.22 0.00	33.60 -0.27 0.00	38.06 -0.19 0.00	30.94 -0.15 0.00	27.92 -0.23 0.00	26.30 -0.18 0.00	26.21 -0.16 0.00	26.76 -0.22 0.00	27.64 -0.14 0.00	28.74 -0.20 0.00	30.44 -0.25 0.00	33.96 -0.31 0.00	38.68 -0.43 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.90 -0.34 0.00	34.61 -0.28 0.00	32.07 -0.19 0.00	28.14 -0.08 0.00
CLINTON_WT_PWR 323605	25.57 -0.58 0.00	24.14 -0.37 0.00	22.98 -0.26 0.00	23.26 -0.19 0.00	24.71 -0.05 0.00	27.37 -0.08 0.00	33.74 -0.13 0.00	37.80 -0.46 0.00	30.59 -0.50 0.00	28.04 -0.11 0.00	26.38 -0.11 0.00	26.21 -0.16 0.00	26.87 -0.11 0.00	27.62 -0.17 0.00	28.71 -0.23 0.00	30.29 -0.40 0.00	33.69 -0.58 0.00	38.32 -0.78 0.00	41.66 -0.98 0.00	43.95 -1.22 0.00	41.05 -1.18 0.00	33.81 -1.08 0.00	31.30 -0.97 0.00	27.29 -0.93 0.00
CLINTON___LFGE 323618	25.68 -0.47 0.00	24.29 -0.22 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.93 0.17 0.00	27.64 0.19 0.00	34.08 0.20 0.00	38.14 -0.11 0.00	30.84 -0.25 0.00	28.43 0.28 0.00	26.75 0.26 0.00	26.58 0.21 0.00	27.24 0.27 0.00	28.00 0.22 0.00	29.09 0.15 0.00	30.75 0.06 0.00	34.20 -0.07 0.00	38.91 -0.19 0.00	42.25 -0.38 0.00	44.35 -0.81 0.00	41.48 -0.76 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.49 -0.73 0.00
COBBLENY_34_KV_TB1 80064	24.69 -1.46 0.00	22.84 -1.67 0.00	21.86 -1.37 0.00	22.23 -1.22 0.00	23.20 -1.56 0.00	26.11 -1.35 0.00	32.18 -1.69 0.00	36.68 -1.57 0.00	30.13 -0.96 0.00	26.83 -1.32 0.00	25.64 -0.85 0.00	25.37 -1.00 0.00	25.38 -1.59 0.00	26.31 -1.47 0.00	27.35 -1.59 0.00	28.66 -2.03 0.00	32.08 -2.19 0.00	36.53 -2.58 0.00	40.20 -2.43 0.00	42.45 -2.71 0.00	39.79 -2.45 0.00	32.97 -1.92 0.00	30.52 -1.74 0.00	26.93 -1.30 0.00
COFFEEN___115KV_TB3 355620	25.73 -0.42 0.00	24.12 -0.39 0.00	22.86 -0.37 0.00	23.05 -0.40 0.00	24.44 -0.32 0.00	27.18 -0.27 0.00	33.40 -0.47 0.00	38.29 0.04 0.00	30.97 -0.12 0.00	27.70 -0.45 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.46 -0.51 0.00	27.37 -0.42 0.00	28.57 -0.38 0.00	30.35 -0.34 0.00	33.62 -0.65 0.00	38.01 -1.09 0.00	41.91 -0.72 0.00	44.44 -0.72 0.00	41.56 -0.68 0.00	34.09 -0.80 0.00	31.49 -0.77 0.00	27.55 -0.68 0.00
COLDSPRG_115KV_BK1 355956	25.52 -0.63 0.00	23.56 -0.96 0.00	22.53 -0.70 0.00	22.91 -0.54 0.00	23.84 -0.92 0.00	26.79 -0.66 0.00	33.13 -0.75 0.00	37.83 -0.42 0.00	31.12 0.03 0.00	27.73 -0.42 0.00	26.59 0.11 0.00	26.34 -0.03 0.00	26.30 -0.67 0.00	27.31 -0.47 0.00	28.31 -0.64 0.00	29.64 -1.04 0.00	33.11 -1.17 0.00	37.62 -1.49 0.00	41.36 -1.28 0.00	43.63 -1.54 0.00	40.88 -1.35 0.00	33.85 -1.05 0.00	31.23 -1.03 0.00	27.41 -0.82 0.00
COLONIE_LFGE___ 323577	27.27 1.12 0.00	25.52 1.01 0.00	24.16 0.93 0.00	24.34 0.89 0.00	25.70 0.94 0.00	28.49 1.04 0.00	35.36 1.49 0.00	39.86 1.61 0.00	32.30 1.21 0.00	29.22 1.07 0.00	27.46 0.98 0.00	27.31 0.95 0.00	28.03 1.05 0.00	28.84 1.06 0.00	30.07 1.13 0.00	31.88 1.20 0.00	35.75 1.47 0.00	40.94 1.84 0.00	44.68 2.05 0.00	47.42 2.26 0.00	44.30 2.07 0.00	36.64 1.74 0.00	33.81 1.55 0.00	29.50 1.27 0.00
COOPERNY_115KV_TB1 80082	26.96 0.81 0.00	25.27 0.76 0.00	23.95 0.72 0.00	24.13 0.68 0.00	25.45 0.69 0.00	28.22 0.77 0.00	34.82 0.95 0.00	39.40 1.15 0.00	32.12 1.03 0.00	29.13 0.99 0.00	27.36 0.87 0.00	27.24 0.87 0.00	27.92 0.94 0.00	28.70 0.92 0.00	29.96 1.01 0.00	31.88 1.20 0.00	35.71 1.44 0.00	40.79 1.68 0.00	44.42 1.79 0.00	47.06 1.90 0.00	43.97 1.73 0.00	36.36 1.47 0.00	33.52 1.26 0.00	29.18 0.96 0.00
COPENHAGEN_WT_PWR 323753	25.65 -0.50 0.00	24.05 -0.47 0.00	22.77 -0.46 0.00	22.98 -0.47 0.00	24.34 -0.42 0.00	27.07 -0.38 0.00	33.23 -0.64 0.00	38.03 -0.23 0.00	30.78 -0.31 0.00	27.56 -0.59 0.00	25.90 -0.58 0.00	25.81 -0.55 0.00	26.36 -0.62 0.00	27.25 -0.53 0.00	28.42 -0.52 0.00	30.19 -0.49 0.00	33.49 -0.79 0.00	37.89 -1.21 0.00	41.74 -0.90 0.00	44.17 -0.99 0.00	41.35 -0.89 0.00	33.95 -0.94 0.00	31.36 -0.90 0.00	27.46 -0.76 0.00
CORNELL_____ 23752	26.41 0.26 0.00	24.68 0.17 0.00	23.44 0.21 0.00	23.71 0.26 0.00	24.96 0.20 0.00	27.78 0.33 0.00	34.38 0.51 0.00	38.90 0.65 0.00	31.56 0.47 0.00	28.35 0.20 0.00	26.67 0.19 0.00	26.58 0.21 0.00	27.11 0.13 0.00	28.00 0.22 0.00	29.15 0.20 0.00	30.90 0.21 0.00	34.62 0.34 0.00	39.50 0.39 0.00	43.27 0.64 0.00	45.84 0.68 0.00	42.95 0.72 0.00	35.45 0.56 0.00	32.75 0.48 0.00	28.68 0.45 0.00



CORONA V_69_KV_TB1 355595	28.14 1.99 0.00	26.37 1.86 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.39 1.63 0.00	29.24 1.78 0.00	36.41 2.54 0.00	41.08 2.83 0.00	33.33 2.24 0.00	30.33 2.14 -0.04	28.66 2.12 -0.06	28.40 1.98 -0.06	29.65 2.35 -0.33	30.73 2.33 -0.61	31.79 2.52 -0.33	34.07 2.85 -0.53	38.04 3.22 -0.54	52.24 3.72 -9.42	75.65 3.75 -29.27	70.21 3.97 -21.08	76.56 3.72 -30.60	54.90 3.18 -16.83	42.65 3.07 -7.31	30.41 2.15 -0.04
CORTLAND_115KV_TB3 80093	26.28 0.13 0.00	24.59 0.07 0.00	23.30 0.07 0.00	23.57 0.12 0.00	24.83 0.07 0.00	27.59 0.14 0.00	34.11 0.24 0.00	38.60 0.34 0.00	31.37 0.28 0.00	28.26 0.11 0.00	26.59 0.11 0.00	26.47 0.11 0.00	27.03 0.05 0.00	27.89 0.11 0.00	29.06 0.12 0.00	30.78 0.09 0.00	34.44 0.17 0.00	39.26 0.16 0.00	42.98 0.34 0.00	45.52 0.36 0.00	42.57 0.34 0.00	35.17 0.28 0.00	32.52 0.26 0.00	28.48 0.25 0.00
COXSACKIE__GT 23611	27.61 1.46 0.00	25.81 1.30 0.00	24.41 1.18 0.00	24.60 1.15 0.00	25.99 1.24 0.00	28.85 1.40 0.00	35.70 1.83 0.00	40.05 1.80 0.00	32.21 1.12 0.00	28.88 0.73 0.00	27.09 0.61 0.00	27.00 0.63 0.00	27.67 0.70 0.00	28.45 0.67 0.00	29.78 0.84 0.00	31.76 1.07 0.00	35.68 1.41 0.00	41.14 2.03 0.00	44.93 2.30 0.00	47.92 2.76 0.00	44.81 2.58 0.00	37.06 2.16 0.00	34.36 2.10 0.00	29.86 1.64 0.00
CPV_VALLEY__CC1 323721	27.12 0.97 0.00	25.39 0.88 0.00	24.09 0.86 0.00	24.22 0.77 0.00	25.57 0.82 0.00	28.33 0.88 0.00	35.06 1.18 0.00	39.55 1.30 0.00	32.30 1.21 0.00	29.30 1.15 0.00	27.51 1.03 0.00	27.42 1.06 0.00	28.08 1.11 0.00	28.86 1.08 0.00	30.19 1.24 0.00	32.13 1.44 0.00	35.95 1.68 0.00	41.10 1.99 0.00	44.68 2.05 0.00	47.38 2.21 0.00	44.26 2.03 0.00	36.60 1.71 0.00	33.72 1.45 0.00	29.36 1.13 0.00
CPV_VALLEY__CC2 323722	27.12 0.97 0.00	25.39 0.88 0.00	24.09 0.86 0.00	24.22 0.77 0.00	25.57 0.82 0.00	28.33 0.88 0.00	35.06 1.18 0.00	39.55 1.30 0.00	32.30 1.21 0.00	29.30 1.15 0.00	27.51 1.03 0.00	27.42 1.06 0.00	28.08 1.11 0.00	28.86 1.08 0.00	30.19 1.24 0.00	32.13 1.44 0.00	35.95 1.68 0.00	41.10 1.99 0.00	44.68 2.05 0.00	47.38 2.21 0.00	44.26 2.03 0.00	36.60 1.71 0.00	33.72 1.45 0.00	29.36 1.13 0.00
CRESCENT__HYD 24018	27.27 1.12 0.00	25.52 1.01 0.00	24.16 0.93 0.00	24.34 0.89 0.00	25.70 0.94 0.00	28.49 1.04 0.00	35.36 1.49 0.00	39.86 1.61 0.00	32.30 1.21 0.00	29.22 1.07 0.00	27.46 0.98 0.00	27.31 0.95 0.00	28.03 1.05 0.00	28.84 1.06 0.00	30.07 1.13 0.00	31.88 1.20 0.00	35.75 1.47 0.00	40.94 1.84 0.00	44.68 2.05 0.00	47.42 2.26 0.00	44.30 2.07 0.00	36.64 1.74 0.00	33.81 1.55 0.00	29.50 1.27 0.00
CRICKET__VALLEY_CC1 323756	27.43 1.28 0.00	25.69 1.18 0.00	24.32 1.09 0.00	24.46 1.01 0.00	25.82 1.06 0.00	28.55 1.10 0.00	35.43 1.56 0.00	39.93 1.68 0.00	32.52 1.43 0.00	29.50 1.35 0.00	27.75 1.27 0.00	27.61 1.24 0.00	28.30 1.32 0.00	29.03 1.25 0.00	30.33 1.39 0.00	32.31 1.63 0.00	36.23 1.95 0.00	41.45 2.35 0.00	45.11 2.47 0.00	47.83 2.66 0.00	44.73 2.49 0.00	37.02 2.13 0.00	34.07 1.81 0.00	29.58 1.35 0.00
CRICKET__VALLEY_CC2 323757	27.43 1.28 0.00	25.69 1.18 0.00	24.32 1.09 0.00	24.46 1.01 0.00	25.82 1.06 0.00	28.55 1.10 0.00	35.43 1.56 0.00	39.93 1.68 0.00	32.52 1.43 0.00	29.50 1.35 0.00	27.75 1.27 0.00	27.61 1.24 0.00	28.30 1.32 0.00	29.03 1.25 0.00	30.33 1.39 0.00	32.31 1.63 0.00	36.23 1.95 0.00	41.45 2.35 0.00	45.11 2.47 0.00	47.83 2.66 0.00	44.73 2.49 0.00	37.02 2.13 0.00	34.07 1.81 0.00	29.58 1.35 0.00
CRICKET__VALLEY_CC3 323758	27.43 1.28 0.00	25.69 1.18 0.00	24.32 1.09 0.00	24.46 1.01 0.00	25.82 1.06 0.00	28.55 1.10 0.00	35.43 1.56 0.00	39.93 1.68 0.00	32.52 1.43 0.00	29.50 1.35 0.00	27.75 1.27 0.00	27.61 1.24 0.00	28.30 1.32 0.00	29.03 1.25 0.00	30.33 1.39 0.00	32.31 1.63 0.00	36.23 1.95 0.00	41.45 2.35 0.00	45.11 2.47 0.00	47.83 2.66 0.00	44.73 2.49 0.00	37.02 2.13 0.00	34.07 1.81 0.00	29.58 1.35 0.00
CRUCIBLE_METL_DRP 24180	25.94 -0.21 0.00	24.29 -0.22 0.00	23.02 -0.21 0.00	23.28 -0.16 0.00	24.53 -0.22 0.00	27.23 -0.22 0.00	33.67 -0.20 0.00	38.06 -0.19 0.00	30.94 -0.16 0.00	27.92 -0.23 0.00	26.30 -0.19 0.00	26.21 -0.16 0.00	26.76 -0.22 0.00	27.64 -0.14 0.00	28.77 -0.17 0.00	30.44 -0.25 0.00	33.96 -0.31 0.00	38.68 -0.43 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.90 -0.34 0.00	34.61 -0.28 0.00	32.04 -0.23 0.00	28.14 -0.08 0.00
DAHOWA__HYDRO 323763	27.59 1.44 0.00	25.81 1.30 0.00	24.41 1.18 0.00	24.62 1.17 0.00	26.04 1.29 0.00	28.88 1.43 0.00	35.84 1.96 0.00	40.36 2.10 0.00	32.55 1.46 0.00	29.39 1.24 0.00	27.59 1.11 0.00	27.45 1.08 0.00	28.32 1.35 0.00	29.14 1.36 0.00	30.45 1.50 0.00	31.82 1.14 0.00	35.68 1.41 0.00	40.98 1.88 0.00	44.72 2.09 0.00	47.55 2.39 0.00	44.43 2.19 0.00	36.67 1.78 0.00	33.91 1.64 0.00	29.86 1.64 0.00
DANC__LFGE 323619	25.57 -0.58 0.00	23.97 -0.54 0.00	22.72 -0.51 0.00	22.93 -0.52 0.00	24.26 -0.49 0.00	26.96 -0.49 0.00	33.13 -0.75 0.00	37.75 -0.50 0.00	30.59 -0.50 0.00	27.50 -0.65 0.00	25.85 -0.64 0.00	25.73 -0.63 0.00	26.30 -0.67 0.00	27.17 -0.61 0.00	28.31 -0.64 0.00	30.04 -0.65 0.00	33.38 -0.89 0.00	37.89 -1.21 0.00	41.57 -1.06 0.00	44.04 -1.13 0.00	41.22 -1.01 0.00	33.92 -0.98 0.00	31.40 -0.87 0.00	27.52 -0.70 0.00
DANSKAMMER__1 23586	27.64 1.49 0.00	25.86 1.35 0.00	24.51 1.28 0.00	24.64 1.20 0.00	25.99 1.24 0.00	28.80 1.34 0.00	35.70 1.83 0.00	40.24 1.99 0.00	32.80 1.71 0.00	29.70 1.55 0.00	27.89 1.40 0.00	27.79 1.42 0.00	28.51 1.54 0.00	29.25 1.47 0.00	30.62 1.68 0.00	32.65 1.97 0.00	36.60 2.33 0.00	41.92 2.82 0.00	45.49 2.86 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.39 2.13 0.00	29.89 1.66 0.00
DANSKAMMER__2 23589	27.64 1.49 0.00	25.86 1.35 0.00	24.51 1.28 0.00	24.64 1.20 0.00	25.99 1.24 0.00	28.80 1.34 0.00	35.70 1.83 0.00	40.24 1.99 0.00	32.80 1.71 0.00	29.70 1.55 0.00	27.89 1.40 0.00	27.79 1.42 0.00	28.51 1.54 0.00	29.25 1.47 0.00	30.62 1.68 0.00	32.65 1.97 0.00	36.60 2.33 0.00	41.92 2.82 0.00	45.49 2.86 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.39 2.13 0.00	29.89 1.66 0.00
DANSKAMMER__3 23590	27.64 1.49 0.00	25.86 1.35 0.00	24.51 1.28 0.00	24.64 1.20 0.00	25.99 1.24 0.00	28.80 1.34 0.00	35.70 1.83 0.00	40.24 1.99 0.00	32.80 1.71 0.00	29.70 1.55 0.00	27.89 1.40 0.00	27.79 1.42 0.00	28.51 1.54 0.00	29.25 1.47 0.00	30.62 1.68 0.00	32.65 1.97 0.00	36.60 2.33 0.00	41.92 2.82 0.00	45.49 2.86 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.39 2.13 0.00	29.89 1.66 0.00



DANSKAMMER___4 23591	27.64 1.49 0.00	25.86 1.35 0.00	24.51 1.28 0.00	24.64 1.20 0.00	25.99 1.24 0.00	28.80 1.34 0.00	35.70 1.83 0.00	40.24 1.99 0.00	32.80 1.71 0.00	29.70 1.55 0.00	27.89 1.40 0.00	27.79 1.42 0.00	28.51 1.54 0.00	29.25 1.47 0.00	30.62 1.68 0.00	32.65 1.97 0.00	36.60 2.33 0.00	41.92 2.82 0.00	45.49 2.86 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.39 2.13 0.00	29.89 1.66 0.00
DANSKAMMER___DIESEL 23592	27.59 1.44 0.00	25.86 1.35 0.00	24.46 1.23 0.00	24.64 1.20 0.00	26.00 1.24 0.00	28.80 1.35 0.00	35.60 1.73 0.00	40.24 1.99 0.00	32.80 1.71 0.00	29.70 1.55 0.00	27.86 1.38 0.00	27.79 1.42 0.00	28.49 1.51 0.00	29.25 1.47 0.00	30.59 1.65 0.00	32.65 1.96 0.00	36.60 2.33 0.00	41.92 2.82 0.00	45.53 2.90 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.43 2.16 0.00	29.89 1.67 0.00
DARBY___SOLAR 323810	27.53 1.38 0.00	25.76 1.25 0.00	24.39 1.16 0.00	24.57 1.13 0.00	25.99 1.24 0.00	28.80 1.34 0.00	35.73 1.86 0.00	40.24 1.99 0.00	32.49 1.40 0.00	29.36 1.21 0.00	27.54 1.06 0.00	27.39 1.03 0.00	28.24 1.27 0.00	29.09 1.31 0.00	30.36 1.42 0.00	31.82 1.14 0.00	35.68 1.41 0.00	40.98 1.88 0.00	44.77 2.13 0.00	47.55 2.39 0.00	44.43 2.19 0.00	36.67 1.78 0.00	33.91 1.64 0.00	29.80 1.58 0.00
DASHVILLE___HYD 23610	27.46 1.31 0.00	25.74 1.23 0.00	24.35 1.12 0.00	24.50 1.06 0.00	25.87 1.11 0.00	28.63 1.18 0.00	35.36 1.49 0.00	39.97 1.72 0.00	32.52 1.43 0.00	29.44 1.29 0.00	27.65 1.17 0.00	27.55 1.19 0.00	28.24 1.27 0.00	29.00 1.22 0.00	30.33 1.39 0.00	32.37 1.69 0.00	36.26 1.99 0.00	41.53 2.42 0.00	45.15 2.52 0.00	47.92 2.75 0.00	44.77 2.53 0.00	37.09 2.20 0.00	34.20 1.94 0.00	29.69 1.47 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	28.03 1.88 0.00	26.35 1.84 0.00	24.81 1.58 0.00	24.97 1.52 0.00	26.34 1.58 0.00	29.21 1.76 0.00	36.75 2.88 0.00	41.47 3.21 0.00	32.83 1.74 0.00	29.75 1.60 0.00	27.80 1.32 0.00	27.52 1.16 0.00	28.58 1.59 -0.01	29.36 1.56 -0.03	30.60 1.65 -0.01	32.76 2.06 -0.02	36.83 2.54 -0.02	42.92 3.32 -0.49	48.50 4.31 -1.56	50.67 4.38 -1.12	48.04 4.18 -1.63	39.46 3.66 -0.90	36.10 3.42 -0.42	30.11 1.89 0.00
DELAWARE___LFGE 323621	26.96 0.81 0.00	25.25 0.74 0.00	23.93 0.70 0.00	24.13 0.68 0.00	25.48 0.72 0.00	28.27 0.82 0.00	34.92 1.05 0.00	39.55 1.30 0.00	32.12 1.03 0.00	29.02 0.87 0.00	27.30 0.82 0.00	27.18 0.82 0.00	27.81 0.84 0.00	28.64 0.86 0.00	29.87 0.93 0.00	31.73 1.04 0.00	35.58 1.30 0.00	40.59 1.49 0.00	44.30 1.66 0.00	46.92 1.76 0.00	43.84 1.60 0.00	36.22 1.33 0.00	33.43 1.16 0.00	29.18 0.96 0.00
DERFIELD_115KV_TB7 355931	26.25 0.10 0.00	24.61 0.10 0.00	23.32 0.09 0.00	23.52 0.07 0.00	24.86 0.10 0.00	27.56 0.11 0.00	34.01 0.14 0.00	38.44 0.19 0.00	31.22 0.12 0.00	28.23 0.08 0.00	26.56 0.08 0.00	26.47 0.11 0.00	27.08 0.11 0.00	27.87 0.08 0.00	29.06 0.12 0.00	30.81 0.12 0.00	34.44 0.17 0.00	39.30 0.20 0.00	42.89 0.26 0.00	45.39 0.23 0.00	42.45 0.21 0.00	35.03 0.14 0.00	32.39 0.13 0.00	28.31 0.08 0.00
DOGLEVILLE___HYD 23807	25.23 -0.92 0.00	23.70 -0.81 0.00	22.46 -0.77 0.00	22.67 -0.77 0.00	23.96 -0.79 0.00	26.60 -0.85 0.00	32.62 -1.25 0.00	36.88 -1.38 0.00	29.82 -1.27 0.00	26.97 -1.18 0.00	25.40 -1.09 0.00	25.34 -1.03 0.00	25.92 -1.05 0.00	26.70 -1.08 0.00	27.81 -1.13 0.00	29.46 -1.23 0.00	32.94 -1.34 0.00	37.46 -1.64 0.00	40.84 -1.79 0.00	43.09 -2.08 0.00	40.08 -2.15 0.00	33.04 -1.85 0.00	30.43 -1.84 0.00	26.53 -1.69 0.00
DUNKIRK___115KV_TB_200 55889	25.26 -0.89 0.00	23.31 -1.20 0.00	22.30 -0.93 0.00	22.67 -0.77 0.00	23.62 -1.14 0.00	26.49 -0.96 0.00	32.72 -1.15 0.00	37.37 -0.88 0.00	30.72 -0.37 0.00	27.47 -0.68 0.00	26.32 -0.16 0.00	26.10 -0.26 0.00	26.11 -0.86 0.00	27.09 -0.69 0.00	28.10 -0.84 0.00	29.40 -1.29 0.00	32.90 -1.37 0.00	37.35 -1.76 0.00	41.06 -1.58 0.00	43.36 -1.81 0.00	40.59 -1.65 0.00	33.64 -1.26 0.00	31.10 -1.16 0.00	27.27 -0.96 0.00
DUNKIRK___1 23563	25.26 -0.89 0.00	23.31 -1.20 0.00	22.30 -0.93 0.00	22.67 -0.77 0.00	23.62 -1.14 0.00	26.49 -0.96 0.00	32.72 -1.15 0.00	37.37 -0.88 0.00	30.72 -0.37 0.00	27.47 -0.68 0.00	26.32 -0.16 0.00	26.10 -0.26 0.00	26.11 -0.86 0.00	27.09 -0.69 0.00	28.10 -0.84 0.00	29.40 -1.29 0.00	32.90 -1.37 0.00	37.35 -1.76 0.00	41.06 -1.58 0.00	43.36 -1.81 0.00	40.59 -1.65 0.00	33.64 -1.26 0.00	31.10 -1.16 0.00	27.27 -0.96 0.00
DUNKIRK___2 23564	25.26 -0.89 0.00	23.31 -1.20 0.00	22.30 -0.93 0.00	22.67 -0.77 0.00	23.62 -1.14 0.00	26.49 -0.96 0.00	32.72 -1.15 0.00	37.37 -0.88 0.00	30.72 -0.37 0.00	27.47 -0.68 0.00	26.32 -0.16 0.00	26.10 -0.26 0.00	26.11 -0.86 0.00	27.09 -0.69 0.00	28.10 -0.84 0.00	29.40 -1.29 0.00	32.90 -1.37 0.00	37.35 -1.76 0.00	41.06 -1.58 0.00	43.36 -1.81 0.00	40.59 -1.65 0.00	33.64 -1.26 0.00	31.10 -1.16 0.00	27.27 -0.96 0.00
DUNKIRK___3 23565	25.08 -1.07 0.00	23.14 -1.37 0.00	22.14 -1.09 0.00	22.51 -0.94 0.00	23.47 -1.29 0.00	26.33 -1.13 0.00	32.52 -1.35 0.00	37.14 -1.11 0.00	30.50 -0.59 0.00	27.28 -0.87 0.00	26.11 -0.37 0.00	25.89 -0.47 0.00	25.95 -1.03 0.00	26.89 -0.89 0.00	27.93 -1.01 0.00	29.21 -1.47 0.00	32.70 -1.58 0.00	37.11 -1.99 0.00	40.80 -1.83 0.00	43.04 -2.12 0.00	40.33 -1.90 0.00	33.43 -1.47 0.00	30.94 -1.32 0.00	27.15 -1.07 0.00
DUNKIRK___4 23566	25.08 -1.07 0.00	23.14 -1.37 0.00	22.14 -1.09 0.00	22.51 -0.94 0.00	23.47 -1.29 0.00	26.33 -1.13 0.00	32.52 -1.35 0.00	37.14 -1.11 0.00	30.50 -0.59 0.00	27.28 -0.87 0.00	26.11 -0.37 0.00	25.89 -0.47 0.00	25.95 -1.03 0.00	26.89 -0.89 0.00	27.93 -1.01 0.00	29.21 -1.47 0.00	32.70 -1.58 0.00	37.11 -1.99 0.00	40.80 -1.83 0.00	43.04 -2.12 0.00	40.33 -1.90 0.00	33.43 -1.47 0.00	30.94 -1.32 0.00	27.15 -1.07 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	27.69 1.54 0.00	25.98 1.47 0.00	24.55 1.32 0.00	24.71 1.27 0.00	26.09 1.34 0.00	28.85 1.40 0.00	35.73 1.86 0.00	40.43 2.18 0.00	33.05 1.96 0.00	30.04 1.89 0.00	28.15 1.67 0.00	28.03 1.66 0.00	28.78 1.81 0.00	29.56 1.78 0.00	30.88 1.94 0.00	32.99 2.30 0.00	36.95 2.67 0.00	42.20 3.09 0.00	45.79 3.15 0.00	48.50 3.34 0.00	45.32 3.08 0.00	37.51 2.62 0.00	34.49 2.23 0.00	29.95 1.72 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	27.43 1.28 0.00	25.71 1.20 0.00	24.35 1.12 0.00	24.50 1.06 0.00	25.85 1.09 0.00	28.63 1.18 0.00	35.40 1.52 0.00	40.01 1.76 0.00	32.65 1.55 0.00	29.58 1.44 0.00	27.75 1.27 0.00	27.66 1.29 0.00	28.38 1.40 0.00	29.14 1.36 0.00	30.45 1.51 0.00	32.50 1.81 0.00	36.40 2.12 0.00	41.65 2.54 0.00	45.28 2.64 0.00	48.01 2.85 0.00	44.90 2.66 0.00	37.13 2.23 0.00	34.20 1.94 0.00	29.72 1.50 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	27.74 1.60 0.00	26.03 1.52 0.00	24.58 1.35 0.00	24.74 1.29 0.00	26.14 1.39 0.00	28.88 1.43 0.00	35.73 1.86 0.00	40.40 2.14 0.00	33.15 2.05 0.00	30.20 2.05 0.01	28.28 1.80 0.00	28.18 1.82 0.01	28.94 1.97 0.01	29.72 1.94 0.01	31.05 2.11 0.01	33.16 2.49 0.01	37.08 2.81 0.00	42.31 3.21 0.00	45.66 3.03 0.00	48.32 3.16 0.00	45.19 2.96 0.00	37.51 2.62 0.00	34.46 2.19 0.00	30.00 1.78 0.00
E179THST_13_KV_LOAD 356214	27.85 1.70 0.00	26.13 1.62 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.22 1.46 0.00	28.96 1.51 0.00	35.87 2.00 0.00	40.55 2.30 0.00	33.27 2.18 0.00	30.31 2.17 0.01	28.39 1.91 0.00	28.28 1.92 0.01	29.04 2.08 0.01	29.83 2.06 0.01	31.16 2.23 0.01	33.32 2.64 0.01	37.25 2.98 0.00	42.51 3.40 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.65 2.76 0.00	34.59 2.32 0.00	30.12 1.89 0.00
EAST HAMPTON___GT 23717	28.11 1.96 0.00	26.15 1.64 0.00	24.88 1.65 0.00	25.04 1.60 0.00	26.12 1.36 0.00	28.96 1.51 0.00	36.65 2.78 0.00	41.27 3.02 0.00	32.68 1.58 0.00	29.67 1.52 0.00	27.59 1.11 0.00	27.36 1.00 0.00	28.28 1.29 -0.01	29.00 1.19 -0.03	30.31 1.36 -0.01	32.42 1.72 -0.02	36.45 2.16 -0.02	42.61 3.01 -0.49	47.69 3.50 -1.56	50.17 3.88 -1.12	47.58 3.72 -1.63	39.00 3.21 -0.90	35.46 2.78 -0.42	29.83 1.61 0.00
EAST RIVER___6 23660	27.82 1.68 0.00	26.10 1.59 0.00	24.67 1.44 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	36.01 2.14 0.00	40.51 2.26 0.00	33.21 2.12 0.00	30.26 2.11 0.00	28.36 1.88 0.00	28.27 1.90 0.00	29.00 2.02 0.00	29.78 2.00 0.00	31.17 2.23 0.00	33.26 2.58 0.00	37.18 2.91 0.00	42.47 3.36 0.00	45.92 3.28 0.00	48.69 3.52 0.00	45.49 3.25 0.00	37.62 2.72 0.00	34.56 2.29 0.00	30.06 1.83 0.00
EAST RIVER___7 23524	27.82 1.68 0.00	26.10 1.59 0.00	24.67 1.44 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	36.01 2.14 0.00	40.51 2.26 0.00	33.21 2.12 0.00	30.26 2.11 0.00	28.36 1.88 0.00	28.27 1.90 0.00	29.00 2.02 0.00	29.78 2.00 0.00	31.17 2.23 0.00	33.26 2.58 0.00	37.18 2.91 0.00	42.47 3.36 0.00	45.92 3.28 0.00	48.69 3.52 0.00	45.49 3.25 0.00	37.62 2.72 0.00	34.56 2.29 0.00	30.06 1.83 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	27.64 1.49 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.80 1.35 0.00	35.63 1.76 0.00	40.32 2.07 0.00	32.96 1.87 0.00	29.95 1.80 0.00	28.10 1.62 0.00	27.98 1.61 0.00	28.70 1.73 0.00	29.48 1.69 0.00	30.80 1.85 0.00	32.89 2.21 0.00	36.84 2.57 0.00	42.08 2.97 0.00	45.70 3.07 0.00	48.41 3.25 0.00	45.23 3.00 0.00	37.41 2.51 0.00	34.43 2.16 0.00	29.89 1.67 0.00
EAST_HAMPTON___DIESEL 23722	28.06 1.91 0.00	26.10 1.59 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.07 1.31 0.00	28.90 1.45 0.00	36.58 2.71 0.00	41.20 2.95 0.00	32.62 1.52 0.00	29.61 1.46 0.00	27.51 1.03 0.00	27.31 0.95 0.00	28.20 1.21 -0.01	28.92 1.11 -0.03	30.26 1.30 -0.01	32.36 1.66 -0.02	36.38 2.09 -0.02	42.49 2.89 -0.49	47.56 3.37 -1.56	50.08 3.79 -1.12	47.45 3.59 -1.63	38.90 3.10 -0.90	35.36 2.68 -0.42	29.77 1.55 0.00
EAST_POINT___SOLAR 323840	28.74 2.59 0.00	26.84 2.33 0.00	25.41 2.18 0.00	25.65 2.20 0.00	27.18 2.43 0.00	30.20 2.74 0.00	37.19 3.32 0.00	41.27 3.02 0.00	32.71 1.62 0.00	29.39 1.24 0.00	27.49 1.01 0.00	27.31 0.95 0.00	28.32 1.35 0.00	29.14 1.36 0.00	30.30 1.36 0.00	32.19 1.50 0.00	36.33 2.06 0.00	41.88 2.78 0.00	46.55 3.92 0.00	49.77 4.61 0.00	46.50 4.26 0.00	38.45 3.56 0.00	35.46 3.20 0.00	30.91 2.68 0.00
EAST_PULASKI___ESR 323781	25.60 -0.55 0.00	23.97 -0.54 0.00	22.72 -0.51 0.00	22.95 -0.49 0.00	24.24 -0.52 0.00	26.90 -0.55 0.00	33.13 -0.75 0.00	37.57 -0.69 0.00	30.50 -0.59 0.00	27.50 -0.65 0.00	25.87 -0.61 0.00	25.76 -0.61 0.00	26.33 -0.65 0.00	27.17 -0.61 0.00	28.28 -0.66 0.00	29.98 -0.70 0.00	33.38 -0.89 0.00	37.97 -1.14 0.00	41.57 -1.06 0.00	44.04 -1.13 0.00	41.22 -1.01 0.00	33.99 -0.91 0.00	31.52 -0.74 0.00	27.66 -0.56 0.00
EAST_RIVER___1 323558	27.82 1.68 0.00	26.08 1.57 0.00	24.67 1.44 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	36.01 2.14 0.00	40.55 2.30 0.00	33.24 2.14 0.00	30.23 2.08 0.00	28.34 1.85 0.00	28.24 1.87 0.00	29.00 2.02 0.00	29.78 2.00 0.00	31.14 2.20 0.00	33.23 2.55 0.00	37.18 2.91 0.00	42.47 3.36 0.00	45.92 3.28 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.52 2.26 0.00	30.06 1.83 0.00
EAST_RIVER___2 323559	27.82 1.68 0.00	26.10 1.59 0.00	24.67 1.44 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	36.01 2.14 0.00	40.51 2.26 0.00	33.21 2.12 0.00	30.26 2.11 0.00	28.36 1.88 0.00	28.27 1.90 0.00	29.00 2.02 0.00	29.78 2.00 0.00	31.17 2.23 0.00	33.26 2.58 0.00	37.18 2.91 0.00	42.47 3.36 0.00	45.92 3.28 0.00	48.69 3.52 0.00	45.49 3.25 0.00	37.62 2.72 0.00	34.56 2.29 0.00	30.06 1.83 0.00
EAST___DELAWARE_HYD 23607	27.48 1.33 0.00	25.74 1.23 0.00	24.39 1.16 0.00	24.53 1.08 0.00	25.90 1.14 0.00	28.69 1.24 0.00	35.50 1.63 0.00	40.01 1.76 0.00	32.55 1.46 0.00	29.36 1.21 0.00	27.57 1.09 0.00	27.53 1.16 0.00	28.16 1.19 0.00	28.86 1.08 0.00	30.21 1.27 0.00	32.22 1.53 0.00	36.12 1.85 0.00	41.37 2.27 0.00	44.98 2.34 0.00	47.78 2.62 0.00	44.68 2.45 0.00	36.95 2.06 0.00	34.04 1.77 0.00	29.61 1.38 0.00
EIGHT_POINT___WT_PWR 323820	25.23 -0.92 0.00	23.41 -1.10 0.00	22.23 -1.00 0.00	22.67 -0.77 0.00	23.79 -0.97 0.00	26.68 -0.77 0.00	32.65 -1.22 0.00	37.45 -0.81 0.00	30.41 -0.68 0.00	27.19 -0.96 0.00	25.77 -0.71 0.00	25.58 -0.79 0.00	25.79 -1.19 0.00	26.70 -1.08 0.00	27.50 -1.45 0.00	29.09 -1.60 0.00	32.73 -1.54 0.00	37.27 -1.84 0.00	41.06 -1.58 0.00	43.22 -1.94 0.00	40.38 -1.86 0.00	33.32 -1.57 0.00	30.78 -1.48 0.00	27.49 -0.73 0.00
ELBRIDGE_115KV_TB2 80188	25.81 -0.34 0.00	24.14 -0.37 0.00	22.90 -0.33 0.00	23.17 -0.28 0.00	24.39 -0.37 0.00	27.09 -0.36 0.00	33.47 -0.41 0.00	37.87 -0.38 0.00	30.78 -0.31 0.00	27.78 -0.37 0.00	26.16 -0.32 0.00	26.08 -0.29 0.00	26.62 -0.35 0.00	27.48 -0.31 0.00	28.60 -0.35 0.00	30.22 -0.46 0.00	33.76 -0.51 0.00	38.44 -0.66 0.00	41.99 -0.64 0.00	44.49 -0.68 0.00	41.64 -0.59 0.00	34.44 -0.45 0.00	31.88 -0.39 0.00	28.00 -0.23 0.00
ELEC_TRO_TEK 24086	27.95 1.80 0.00	26.20 1.69 0.00	24.67 1.44 0.00	24.86 1.41 0.00	26.24 1.49 0.00	29.07 1.62 0.00	36.21 2.34 0.00	40.85 2.60 0.00	33.15 2.05 0.00	30.13 1.97 -0.01	28.46 1.96 -0.02	28.20 1.82 -0.02	29.29 2.18 -0.13	30.20 2.17 -0.25	31.42 2.34 -0.13	33.57 2.67 -0.21	37.46 2.98 -0.21	46.35 3.48 -3.76	57.86 3.50 -11.73	57.32 3.70 -8.45	57.96 3.46 -12.27	44.61 2.97 -6.75	38.17 2.84 -3.07	30.18 1.95 -0.01



ELLENBURG_WT_PWR 323604	25.57 -0.58 0.00	24.14 -0.37 0.00	22.98 -0.26 0.00	23.26 -0.19 0.00	24.71 -0.05 0.00	27.37 -0.08 0.00	33.74 -0.13 0.00	37.80 -0.46 0.00	30.59 -0.50 0.00	28.04 -0.11 0.00	26.38 -0.11 0.00	26.21 -0.16 0.00	26.87 -0.11 0.00	27.62 -0.17 0.00	28.71 -0.23 0.00	30.29 -0.40 0.00	33.69 -0.58 0.00	38.32 -0.78 0.00	41.66 -0.98 0.00	43.95 -1.22 0.00	41.05 -1.18 0.00	33.81 -1.08 0.00	31.30 -0.97 0.00	27.29 -0.93 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	24.40 -1.75 0.00	22.50 -2.01 0.00	21.58 -1.65 0.00	21.97 -1.48 0.00	22.95 -1.81 0.00	25.72 -1.73 0.00	31.84 -2.03 0.00	36.38 -1.87 0.00	29.82 -1.27 0.00	26.66 -1.49 0.00	25.50 -0.98 0.00	25.31 -1.05 0.00	25.38 -1.59 0.00	26.37 -1.42 0.00	27.38 -1.56 0.00	28.57 -2.12 0.00	32.01 -2.26 0.00	36.17 -2.93 0.00	39.69 -2.94 0.00	41.91 -3.25 0.00	39.36 -2.87 0.00	32.70 -2.20 0.00	30.36 -1.90 0.00	26.73 -1.50 0.00
EMPIRE_CC_1 323656	27.25 1.10 0.00	25.52 1.01 0.00	24.16 0.93 0.00	24.32 0.87 0.00	25.67 0.92 0.00	28.44 0.99 0.00	35.29 1.42 0.00	39.78 1.53 0.00	32.27 1.18 0.00	29.25 1.10 0.00	27.49 1.01 0.00	27.34 0.98 0.00	28.03 1.05 0.00	28.81 1.03 0.00	30.04 1.10 0.00	31.94 1.26 0.00	35.82 1.54 0.00	40.98 1.88 0.00	44.72 2.09 0.00	47.42 2.26 0.00	44.35 2.11 0.00	36.67 1.78 0.00	33.85 1.58 0.00	29.44 1.21 0.00
EMPIRE_CC_2 323658	27.25 1.10 0.00	25.52 1.01 0.00	24.16 0.93 0.00	24.32 0.87 0.00	25.67 0.92 0.00	28.44 0.99 0.00	35.29 1.42 0.00	39.78 1.53 0.00	32.27 1.18 0.00	29.25 1.10 0.00	27.49 1.01 0.00	27.34 0.98 0.00	28.03 1.05 0.00	28.81 1.03 0.00	30.04 1.10 0.00	31.94 1.26 0.00	35.82 1.54 0.00	40.98 1.88 0.00	44.72 2.09 0.00	47.42 2.26 0.00	44.35 2.11 0.00	36.67 1.78 0.00	33.85 1.58 0.00	29.44 1.21 0.00
ENORWICH_115KV_TB1 80156	27.51 1.36 0.00	25.74 1.23 0.00	24.41 1.18 0.00	24.67 1.22 0.00	26.07 1.31 0.00	29.07 1.62 0.00	35.90 2.03 0.00	40.85 2.60 0.00	32.87 1.77 0.00	29.30 1.15 0.00	27.54 1.06 0.00	27.47 1.11 0.00	27.95 0.97 0.00	28.87 1.08 0.00	30.10 1.16 0.00	32.00 1.32 0.00	36.12 1.85 0.00	41.10 1.99 0.00	45.32 2.69 0.00	47.92 2.75 0.00	44.68 2.45 0.00	36.64 1.74 0.00	33.78 1.52 0.00	29.47 1.24 0.00
ERIE_ST__34_KV_TB1-2 80199	24.53 -1.62 0.00	22.62 -1.89 0.00	21.67 -1.56 0.00	22.06 -1.38 0.00	23.05 -1.71 0.00	25.89 -1.56 0.00	32.04 -1.83 0.00	36.49 -1.76 0.00	29.94 -1.15 0.00	26.74 -1.41 0.00	25.58 -0.90 0.00	25.37 -1.00 0.00	25.41 -1.56 0.00	26.39 -1.39 0.00	27.44 -1.51 0.00	28.66 -2.03 0.00	32.08 -2.19 0.00	36.37 -2.74 0.00	39.91 -2.93 0.00	42.14 -3.03 0.00	39.53 -2.70 0.00	32.80 -2.09 0.00	30.43 -1.84 0.00	26.81 -1.41 0.00
ERIE_WT_PWR 323693	24.32 -1.83 0.00	22.62 -1.89 0.00	21.51 -1.72 0.00	22.04 -1.41 0.00	23.07 -1.68 0.00	25.86 -1.59 0.00	31.37 -2.51 0.00	36.53 -1.72 0.00	29.94 -1.15 0.00	26.77 -1.38 0.00	25.50 -0.98 0.00	25.31 -1.06 0.00	25.44 -1.54 0.00	26.42 -1.36 0.00	27.12 -1.82 0.00	28.66 -2.03 0.00	32.11 -2.16 0.00	36.33 -2.78 0.00	39.99 -2.64 0.00	42.09 -3.07 0.00	39.49 -2.74 0.00	32.80 -2.09 0.00	30.55 -1.71 0.00	26.79 -1.44 0.00
ESPRGFLD_115KV_TB1 80157	28.06 1.91 0.00	26.23 1.72 0.00	24.86 1.63 0.00	25.09 1.64 0.00	26.51 1.76 0.00	29.51 2.06 0.00	36.34 2.47 0.00	41.05 2.79 0.00	33.05 1.96 0.00	29.70 1.55 0.00	27.89 1.40 0.00	27.76 1.40 0.00	28.46 1.48 0.00	29.37 1.58 0.00	30.56 1.62 0.00	32.46 1.78 0.00	36.50 2.23 0.00	41.77 2.66 0.00	45.83 3.20 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.55 2.65 0.00	34.62 2.36 0.00	30.20 1.98 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	26.38 0.24 0.00	24.68 0.17 0.00	23.42 0.19 0.00	23.68 0.23 0.00	24.93 0.17 0.00	27.75 0.30 0.00	34.35 0.47 0.00	38.87 0.61 0.00	31.50 0.40 0.00	28.32 0.17 0.00	26.64 0.16 0.00	26.55 0.18 0.00	27.08 0.11 0.00	27.95 0.17 0.00	29.12 0.17 0.00	30.87 0.18 0.00	34.58 0.31 0.00	39.42 0.31 0.00	43.23 0.60 0.00	45.79 0.63 0.00	42.87 0.63 0.00	35.38 0.49 0.00	32.72 0.45 0.00	28.65 0.42 0.00
ETNA____115KV_TB2 80207	26.38 0.24 0.00	24.68 0.17 0.00	23.42 0.19 0.00	23.68 0.23 0.00	24.93 0.17 0.00	27.75 0.30 0.00	34.35 0.47 0.00	38.87 0.61 0.00	31.50 0.40 0.00	28.32 0.17 0.00	26.64 0.16 0.00	26.55 0.18 0.00	27.08 0.11 0.00	27.95 0.17 0.00	29.12 0.17 0.00	30.87 0.18 0.00	34.58 0.31 0.00	39.42 0.31 0.00	43.23 0.60 0.00	45.79 0.63 0.00	42.87 0.63 0.00	35.38 0.49 0.00	32.72 0.45 0.00	28.65 0.42 0.00
EUCLID__115KV_TB2 356179	25.70 -0.44 0.00	24.07 -0.44 0.00	22.81 -0.42 0.00	23.05 -0.40 0.00	24.31 -0.45 0.00	26.98 -0.47 0.00	33.30 -0.58 0.00	37.68 -0.57 0.00	30.63 -0.47 0.00	27.70 -0.45 0.00	26.06 -0.42 0.00	25.97 -0.40 0.00	26.52 -0.46 0.00	27.37 -0.42 0.00	28.51 -0.43 0.00	30.13 -0.55 0.00	33.59 -0.69 0.00	38.25 -0.86 0.00	41.78 -0.85 0.00	44.26 -0.90 0.00	41.43 -0.80 0.00	34.23 -0.66 0.00	31.68 -0.58 0.00	27.86 -0.37 0.00
E_CANADA_CAP_HY 24051	28.69 2.54 0.00	26.82 2.30 0.00	25.39 2.16 0.00	25.63 2.18 0.00	27.13 2.38 0.00	30.14 2.69 0.00	37.09 3.22 0.00	41.66 3.40 0.00	33.30 2.21 0.00	29.89 1.75 0.00	28.02 1.54 0.00	27.87 1.50 0.00	28.67 1.70 0.00	29.56 1.78 0.00	30.80 1.85 0.00	32.68 1.99 0.00	36.77 2.50 0.00	42.27 3.17 0.00	46.55 3.92 0.00	49.54 4.38 0.00	46.25 4.01 0.00	38.32 3.42 0.00	35.33 3.07 0.00	30.79 2.57 0.00
E_CANADA_MHWK_HY 24050	25.26 -0.89 0.00	23.70 -0.81 0.00	22.46 -0.77 0.00	22.67 -0.77 0.00	23.96 -0.79 0.00	26.60 -0.85 0.00	32.65 -1.22 0.00	36.88 -1.38 0.00	29.82 -1.28 0.00	26.97 -1.18 0.00	25.40 -1.09 0.00	25.37 -1.00 0.00	25.92 -1.05 0.00	26.70 -1.08 0.00	27.81 -1.13 0.00	29.46 -1.23 0.00	32.94 -1.34 0.00	37.47 -1.64 0.00	40.85 -1.79 0.00	43.09 -2.08 0.00	40.08 -2.15 0.00	33.04 -1.85 0.00	30.39 -1.87 0.00	26.53 -1.69 0.00
E_FISHKILL__LBMP 23776	27.46 1.31 0.00	25.76 1.25 0.00	24.35 1.12 0.00	24.53 1.08 0.00	25.90 1.14 0.00	28.63 1.18 0.00	35.43 1.56 0.00	40.09 1.84 0.00	32.71 1.62 0.00	29.70 1.55 0.00	27.86 1.38 0.00	27.74 1.37 0.00	28.46 1.48 0.00	29.23 1.44 0.00	30.51 1.56 0.00	32.56 1.87 0.00	36.47 2.19 0.00	41.69 2.58 0.00	45.32 2.69 0.00	48.01 2.85 0.00	44.90 2.66 0.00	37.13 2.23 0.00	34.20 1.94 0.00	29.69 1.47 0.00
FALCON__SEABRD_CC1 323796	25.63 -0.52 0.00	24.24 -0.27 0.00	23.07 -0.16 0.00	23.38 -0.07 0.00	24.88 0.12 0.00	27.56 0.11 0.00	33.97 0.10 0.00	38.03 -0.23 0.00	30.78 -0.31 0.00	28.49 0.34 0.00	26.80 0.32 0.00	26.66 0.29 0.00	27.30 0.32 0.00	28.06 0.28 0.00	29.17 0.23 0.00	30.81 0.12 0.00	34.27 0.00 0.00	38.99 -0.12 0.00	42.34 -0.30 0.00	44.30 -0.86 0.00	41.43 -0.80 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.52 -0.70 0.00



FALCON___SEABRD_CC2 323797	25.63 -0.52 0.00	24.24 -0.27 0.00	23.07 -0.16 0.00	23.38 -0.07 0.00	24.88 0.12 0.00	27.56 0.11 0.00	33.97 0.10 0.00	38.03 -0.23 0.00	30.78 -0.31 0.00	28.49 0.34 0.00	26.80 0.32 0.00	26.66 0.29 0.00	27.30 0.32 0.00	28.06 0.28 0.00	29.17 0.23 0.00	30.81 0.12 0.00	34.27 0.00 0.00	38.99 -0.12 0.00	42.34 -0.30 0.00	44.30 -0.86 0.00	41.43 -0.80 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.52 -0.70 0.00
FAR ROCKAWAY___4 23548	28.29 2.14 0.00	26.52 2.01 0.00	24.95 1.72 0.00	25.14 1.69 0.00	26.54 1.78 0.00	29.40 1.95 0.00	36.65 2.78 0.00	41.31 3.06 0.00	33.55 2.46 0.00	30.53 2.34 -0.04	28.85 2.30 -0.06	28.59 2.16 -0.06	29.85 2.54 -0.34	30.98 2.56 -0.64	32.01 2.72 -0.34	34.34 3.10 -0.55	38.37 3.53 -0.57	52.96 4.07 -9.79	77.18 4.14 -30.41	71.44 4.38 -21.90	78.13 4.10 -31.80	55.87 3.49 -17.49	43.17 3.32 -7.58	30.61 2.34 -0.04
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	27.80 1.65 0.00	26.08 1.57 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	35.84 1.96 0.00	40.55 2.30 0.00	33.24 2.15 0.00	30.23 2.08 0.00	28.31 1.83 0.00	28.21 1.85 0.00	28.97 2.00 0.00	29.78 2.00 0.00	31.11 2.17 0.00	33.23 2.55 0.00	37.19 2.91 0.00	42.47 3.36 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.56 2.29 0.00	30.06 1.83 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	27.80 1.65 0.00	26.10 1.59 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	35.87 2.00 0.00	40.55 2.30 0.00	33.24 2.15 0.00	30.23 2.08 0.00	28.31 1.83 0.00	28.21 1.85 0.00	28.97 2.00 0.00	29.78 2.00 0.00	31.11 2.17 0.00	33.23 2.55 0.00	37.19 2.91 0.00	42.47 3.36 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.59 2.32 0.00	30.06 1.83 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	27.77 1.62 0.00	26.08 1.57 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.93 1.48 0.00	35.84 1.96 0.00	40.51 2.26 0.00	33.21 2.11 0.00	30.23 2.08 0.00	28.31 1.83 0.00	28.19 1.82 0.00	28.97 2.00 0.00	29.75 1.97 0.00	31.08 2.14 0.00	33.23 2.55 0.00	37.15 2.88 0.00	42.43 3.32 0.00	45.92 3.28 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.06 1.83 0.00
FARRAGUT___LBMP 323566	27.77 1.62 0.00	26.06 1.54 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.19 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.52 2.26 0.00	30.03 1.81 0.00
FENNER___WINDPWR 24204	26.44 0.29 0.00	24.76 0.25 0.00	23.46 0.23 0.00	23.71 0.26 0.00	25.03 0.27 0.00	27.81 0.36 0.00	34.28 0.41 0.00	38.86 0.61 0.00	31.53 0.44 0.00	28.40 0.25 0.00	26.69 0.21 0.00	26.60 0.24 0.00	27.19 0.21 0.00	28.06 0.28 0.00	29.23 0.29 0.00	31.02 0.34 0.00	34.69 0.41 0.00	39.54 0.43 0.00	43.27 0.64 0.00	45.79 0.63 0.00	42.83 0.59 0.00	35.31 0.42 0.00	32.65 0.39 0.00	28.56 0.34 0.00
FIBERTEK___ENERGY 23856	25.94 -0.21 0.00	24.29 -0.22 0.00	23.02 -0.21 0.00	23.28 -0.16 0.00	24.53 -0.22 0.00	27.23 -0.22 0.00	33.67 -0.20 0.00	38.06 -0.19 0.00	30.94 -0.16 0.00	27.92 -0.23 0.00	26.30 -0.19 0.00	26.21 -0.16 0.00	26.76 -0.22 0.00	27.64 -0.14 0.00	28.77 -0.17 0.00	30.44 -0.25 0.00	33.96 -0.31 0.00	38.68 -0.43 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.90 -0.34 0.00	34.61 -0.28 0.00	32.04 -0.23 0.00	28.14 -0.08 0.00
FITZPATRICK____ 23598	25.34 -0.81 0.00	23.75 -0.76 0.00	22.51 -0.72 0.00	22.75 -0.70 0.00	23.99 -0.77 0.00	26.63 -0.82 0.00	32.79 -1.09 0.00	37.11 -1.15 0.00	30.16 -0.93 0.00	27.28 -0.87 0.00	25.69 -0.79 0.00	25.58 -0.79 0.00	26.14 -0.84 0.00	26.95 -0.83 0.00	28.05 -0.90 0.00	29.64 -1.04 0.00	33.04 -1.23 0.00	37.66 -1.45 0.00	41.10 -1.53 0.00	43.49 -1.67 0.00	40.72 -1.52 0.00	33.64 -1.25 0.00	31.17 -1.10 0.00	27.43 -0.79 0.00
FLOWRFLD_69_KV_BK1 356044	28.24 2.09 0.00	26.47 1.96 0.00	24.93 1.70 0.00	25.09 1.64 0.00	26.47 1.71 0.00	29.34 1.89 0.00	36.78 2.91 0.00	41.50 3.25 0.00	33.24 2.15 0.00	30.17 2.03 0.00	28.38 1.91 0.00	28.08 1.71 0.00	29.12 2.13 -0.01	29.92 2.11 -0.03	31.21 2.26 -0.01	33.35 2.64 -0.02	37.38 3.08 -0.02	43.42 3.79 -0.52	48.72 4.43 -1.65	50.96 4.61 -1.19	48.31 4.35 -1.73	39.62 3.77 -0.95	36.29 3.58 -0.45	30.42 2.20 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	27.64 1.49 0.00	25.91 1.40 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.85 1.40 0.00	35.67 1.80 0.00	40.32 2.07 0.00	32.83 1.74 0.00	29.73 1.58 0.00	27.89 1.40 0.00	27.82 1.45 0.00	28.54 1.56 0.00	29.28 1.50 0.00	30.62 1.68 0.00	32.71 2.03 0.00	36.64 2.36 0.00	41.96 2.85 0.00	45.58 2.94 0.00	48.37 3.21 0.00	45.23 3.00 0.00	37.44 2.55 0.00	34.49 2.23 0.00	29.92 1.69 0.00
FORT ORANGE____ 23900	26.99 0.84 0.00	25.27 0.76 0.00	23.93 0.70 0.00	24.08 0.63 0.00	25.45 0.69 0.00	28.19 0.74 0.00	34.92 1.05 0.00	39.29 1.03 0.00	31.87 0.78 0.00	28.85 0.70 0.00	27.12 0.63 0.00	26.97 0.61 0.00	27.65 0.67 0.00	28.42 0.64 0.00	29.69 0.75 0.00	31.58 0.89 0.00	35.34 1.06 0.00	40.47 1.37 0.00	44.17 1.53 0.00	46.83 1.67 0.00	43.80 1.56 0.00	36.19 1.29 0.00	33.49 1.23 0.00	29.16 0.93 0.00
FORT_DRUM_COGEN 23780	25.65 -0.50 0.00	24.05 -0.47 0.00	22.79 -0.44 0.00	22.98 -0.47 0.00	24.36 -0.40 0.00	27.07 -0.38 0.00	33.26 -0.61 0.00	38.06 -0.19 0.00	30.78 -0.31 0.00	27.59 -0.56 0.00	25.90 -0.58 0.00	25.81 -0.55 0.00	26.35 -0.62 0.00	27.25 -0.53 0.00	28.45 -0.49 0.00	30.22 -0.46 0.00	33.48 -0.79 0.00	37.85 -1.25 0.00	41.70 -0.94 0.00	44.17 -0.99 0.00	41.31 -0.93 0.00	33.92 -0.98 0.00	31.33 -0.94 0.00	27.41 -0.82 0.00
FOX_HILLS___ESR 323835	28.14 1.99 -0.01	26.43 1.91 -0.01	24.93 1.70 0.00	25.09 1.64 0.00	26.52 1.76 -0.01	29.21 1.76 0.00	36.14 2.27 0.00	40.78 2.52 0.00	33.43 2.33 0.00	30.41 2.25 -0.01	28.47 1.99 0.00	28.38 2.00 -0.01	29.14 2.16 -0.01	29.96 2.17 -0.01	31.30 2.34 -0.01	33.49 2.79 -0.01	37.49 3.22 0.00	42.63 3.52 0.00	45.92 3.28 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.96 3.07 0.00	34.94 2.68 0.00	30.41 2.17 -0.01
FPL FAR_ROCK_GT1 24212	28.42 2.27 0.00	26.52 2.01 0.00	25.06 1.83 0.00	25.23 1.78 0.00	26.54 1.78 0.00	29.40 1.95 0.00	36.82 2.95 0.00	41.39 3.14 0.00	33.64 2.55 0.00	30.64 2.45 -0.04	28.98 2.43 -0.06	28.70 2.27 -0.06	29.85 2.53 -0.34	30.95 2.53 -0.64	32.04 2.75 -0.34	34.31 3.07 -0.55	38.34 4.07 -0.57	52.96 4.07 -9.79	77.18 4.13 -30.41	71.44 4.38 -21.90	78.13 4.10 -31.80	55.87 3.49 -17.49	43.14 3.29 -7.58	30.61 2.34 -0.04



FPL FAR_ROCK_GT2 23815	28.42 2.27 0.00	26.52 2.01 0.00	25.06 1.83 0.00	25.23 1.78 0.00	26.54 1.78 0.00	29.40 1.95 0.00	36.82 2.95 0.00	41.39 3.14 0.00	33.64 2.55 0.00	30.64 2.45 -0.04	28.98 2.43 -0.06	28.70 2.27 -0.06	29.85 2.53 -0.34	30.95 2.53 -0.64	32.04 2.75 -0.34	34.31 3.07 -0.55	38.34 3.50 -0.57	52.96 4.07 -9.79	77.18 4.13 -30.41	71.44 4.38 -21.90	78.13 4.10 -31.80	55.87 3.49 -17.49	43.14 3.29 -7.58	30.61 2.34 -0.04
FRANKLIN_FALL_HYD 24054	25.57 -0.58 0.00	24.17 -0.34 0.00	22.97 -0.26 0.00	23.28 -0.16 0.00	24.76 0.00 0.00	27.42 -0.03 0.00	33.74 -0.14 0.00	37.79 -0.46 0.00	30.53 -0.56 0.00	27.87 -0.28 0.00	26.22 -0.26 0.00	26.08 -0.29 0.00	26.73 -0.24 0.00	27.50 -0.28 0.00	28.57 -0.38 0.00	30.19 -0.49 0.00	33.59 -0.69 0.00	38.21 -0.90 0.00	41.53 -1.11 0.00	43.94 -1.22 0.00	41.09 -1.14 0.00	33.78 -1.12 0.00	31.27 -1.00 0.00	27.27 -0.96 0.00
FREEPORT_EQUS_GT1 23764	28.24 2.09 0.00	26.35 1.84 0.00	24.93 1.69 0.00	25.09 1.64 0.00	26.37 1.61 0.00	29.21 1.76 0.00	36.61 2.74 0.00	41.20 2.95 0.00	33.39 2.30 0.00	30.38 2.22 -0.01	28.70 2.20 -0.02	28.44 2.06 -0.02	29.38 2.29 -0.12	30.29 2.28 -0.23	31.55 2.49 -0.12	33.67 2.79 -0.19	37.61 3.15 -0.18	46.05 3.67 -3.27	56.57 3.75 -10.18	56.52 4.02 -7.34	56.64 3.76 -10.65	43.96 3.21 -5.86	38.10 3.07 -2.76	30.35 2.12 -0.01
FREEPORT___CT2 23818	28.24 2.09 0.00	26.35 1.84 0.00	24.93 1.69 0.00	25.09 1.64 0.00	26.37 1.61 0.00	29.21 1.76 0.00	36.61 2.74 0.00	41.20 2.95 0.00	33.39 2.30 0.00	30.38 2.22 -0.01	28.70 2.20 -0.02	28.44 2.06 -0.02	29.38 2.29 -0.12	30.29 2.28 -0.23	31.55 2.49 -0.12	33.67 2.79 -0.19	37.61 3.15 -0.18	46.05 3.67 -3.27	56.57 3.75 -10.18	56.52 4.02 -7.34	56.64 3.76 -10.65	43.96 3.21 -5.86	38.10 3.07 -2.76	30.35 2.12 -0.01
FRESHKLS_33_KV_LOAD 356253	28.22 2.07 -0.01	26.51 1.99 -0.01	25.00 1.77 0.00	25.16 1.71 0.00	26.62 1.86 -0.01	29.29 1.84 0.00	36.21 2.34 0.00	40.78 2.52 0.00	33.43 2.33 0.00	30.38 2.22 -0.01	28.44 1.96 0.00	28.35 1.98 -0.01	29.11 2.13 -0.01	29.90 2.11 -0.01	31.27 2.32 -0.01	33.49 2.79 -0.01	37.49 3.22 0.00	42.55 3.44 0.00	45.78 3.15 0.01	48.45 3.30 0.01	45.35 3.13 0.01	38.03 3.14 0.00	34.98 2.71 0.00	30.46 2.23 -0.01
FULTON COGEN____ 23766	25.70 -0.44 0.00	24.05 -0.47 0.00	22.81 -0.42 0.00	23.05 -0.40 0.00	24.29 -0.47 0.00	26.96 -0.49 0.00	33.30 -0.58 0.00	37.64 -0.61 0.00	30.60 -0.50 0.00	27.64 -0.51 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.49 -0.49 0.00	27.34 -0.44 0.00	28.48 -0.46 0.00	30.10 -0.58 0.00	33.55 -0.72 0.00	38.21 -0.90 0.00	41.70 -0.94 0.00	44.21 -0.95 0.00	41.39 -0.84 0.00	34.20 -0.70 0.00	31.68 -0.58 0.00	27.83 -0.40 0.00
FULTON___LFGE 323630	28.42 2.27 0.00	26.57 2.06 0.00	25.16 1.93 0.00	25.37 1.92 0.00	26.89 2.13 0.00	29.84 2.39 0.00	36.85 2.98 0.00	41.35 3.10 0.00	33.11 2.02 0.00	29.78 1.63 0.00	27.91 1.43 0.00	27.76 1.40 0.00	28.59 1.62 0.00	29.45 1.67 0.00	30.68 1.74 0.00	32.56 1.87 0.00	36.60 2.33 0.00	42.12 3.01 0.00	46.30 3.67 0.00	49.23 4.07 0.00	45.95 3.72 0.00	38.00 3.10 0.00	35.04 2.78 0.00	30.57 2.34 0.00
G.F.CEMENT___DRP 24184	27.74 1.60 0.00	25.96 1.45 0.00	24.55 1.32 0.00	24.76 1.31 0.00	26.22 1.46 0.00	29.07 1.62 0.00	36.04 2.17 0.00	40.66 2.41 0.00	32.80 1.71 0.00	29.61 1.46 0.00	27.81 1.32 0.00	27.66 1.29 0.00	28.65 1.67 0.00	29.48 1.69 0.00	30.77 1.82 0.00	31.88 1.20 0.00	35.71 1.44 0.00	41.06 1.96 0.00	44.81 2.17 0.00	47.60 2.44 0.00	44.43 2.20 0.00	36.64 1.74 0.00	33.91 1.65 0.00	30.06 1.83 0.00
GARDENVILLE___LBMP 24039	24.48 -1.67 0.00	22.58 -1.94 0.00	21.63 -1.60 0.00	22.04 -1.41 0.00	23.02 -1.73 0.00	25.80 -1.65 0.00	31.94 -1.93 0.00	36.46 -1.80 0.00	29.88 -1.21 0.00	26.71 -1.44 0.00	25.56 -0.93 0.00	25.37 -1.00 0.00	25.41 -1.56 0.00	26.39 -1.39 0.00	27.41 -1.53 0.00	28.63 -2.06 0.00	32.08 -2.19 0.00	36.25 -2.85 0.00	39.82 -2.81 0.00	42.00 -3.16 0.00	39.45 -2.79 0.00	32.73 -2.16 0.00	30.43 -1.84 0.00	26.76 -1.47 0.00
GARDNVLA_35_KV_LD 355827	24.55 -1.60 0.00	22.65 -1.86 0.00	21.70 -1.53 0.00	22.11 -1.34 0.00	23.10 -1.66 0.00	25.89 -1.56 0.00	32.04 -1.83 0.00	36.57 -1.68 0.00	29.97 -1.12 0.00	26.80 -1.35 0.00	25.66 -0.82 0.00	25.44 -0.92 0.00	25.49 -1.48 0.00	26.48 -1.31 0.00	27.52 -1.42 0.00	28.72 -1.96 0.00	32.18 -2.09 0.00	36.37 -2.74 0.00	39.95 -2.69 0.00	42.14 -3.03 0.00	39.57 -2.66 0.00	32.84 -2.06 0.00	30.52 -1.74 0.00	26.84 -1.38 0.00
GELCKHM___115KV_LOAD 80723	25.78 -0.37 0.00	24.14 -0.37 0.00	22.88 -0.35 0.00	23.14 -0.30 0.00	24.39 -0.37 0.00	27.07 -0.38 0.00	33.43 -0.44 0.00	37.79 -0.46 0.00	30.75 -0.34 0.00	27.78 -0.37 0.00	26.14 -0.34 0.00	26.05 -0.32 0.00	26.62 -0.35 0.00	27.48 -0.31 0.00	28.60 -0.35 0.00	30.22 -0.46 0.00	33.72 -0.55 0.00	38.40 -0.70 0.00	41.91 -0.72 0.00	44.39 -0.77 0.00	41.60 -0.63 0.00	34.37 -0.52 0.00	31.81 -0.45 0.00	27.94 -0.28 0.00
GENERAL___MILLS 23808	24.53 -1.62 0.00	22.62 -1.89 0.00	21.67 -1.56 0.00	22.06 -1.38 0.00	23.05 -1.71 0.00	25.86 -1.59 0.00	32.01 -1.86 0.00	36.49 -1.76 0.00	29.91 -1.18 0.00	26.74 -1.41 0.00	25.61 -0.87 0.00	25.39 -0.98 0.00	25.44 -1.54 0.00	26.42 -1.36 0.00	27.47 -1.48 0.00	28.66 -2.03 0.00	32.11 -2.16 0.00	36.33 -2.78 0.00	39.86 -2.77 0.00	42.09 -3.07 0.00	39.49 -2.75 0.00	32.80 -2.09 0.00	30.46 -1.81 0.00	26.79 -1.44 0.00
GE_PLASTICS___DRP 24183	26.88 0.73 0.00	25.20 0.69 0.00	23.86 0.63 0.00	24.03 0.59 0.00	25.40 0.64 0.00	28.11 0.66 0.00	34.75 0.88 0.00	39.21 0.96 0.00	31.87 0.78 0.00	28.85 0.70 0.00	27.12 0.64 0.00	27.00 0.63 0.00	27.68 0.70 0.00	28.45 0.67 0.00	29.67 0.72 0.00	31.57 0.89 0.00	35.34 1.06 0.00	40.40 1.29 0.00	44.04 1.41 0.00	46.70 1.54 0.00	43.67 1.44 0.00	36.08 1.19 0.00	33.40 1.13 0.00	29.07 0.85 0.00
GILBOA___1 23756	26.91 0.76 0.00	25.20 0.69 0.00	23.86 0.63 0.00	24.06 0.61 0.00	25.38 0.62 0.00	28.14 0.69 0.00	34.82 0.95 0.00	39.29 1.03 0.00	31.96 0.87 0.00	28.97 0.82 0.00	27.22 0.74 0.00	27.10 0.74 0.00	27.76 0.78 0.00	28.53 0.75 0.00	29.78 0.84 0.00	31.67 0.98 0.00	35.44 1.17 0.00	40.47 1.37 0.00	44.13 1.49 0.00	46.74 1.58 0.00	43.71 1.48 0.00	36.15 1.25 0.00	33.36 1.10 0.00	29.07 0.85 0.00
GILBOA___2 23757	26.91 0.76 0.00	25.20 0.69 0.00	23.86 0.63 0.00	24.06 0.61 0.00	25.38 0.62 0.00	28.14 0.69 0.00	34.82 0.95 0.00	39.29 1.03 0.00	31.96 0.87 0.00	28.97 0.82 0.00	27.22 0.74 0.00	27.10 0.74 0.00	27.76 0.78 0.00	28.53 0.75 0.00	29.78 0.84 0.00	31.67 0.98 0.00	35.44 1.17 0.00	40.47 1.37 0.00	44.13 1.49 0.00	46.74 1.58 0.00	43.71 1.48 0.00	36.15 1.25 0.00	33.36 1.10 0.00	29.07 0.85 0.00



GILBOA___3 23758	26.91 0.76 0.00	25.20 0.69 0.00	23.86 0.63 0.00	24.06 0.61 0.00	25.38 0.62 0.00	28.14 0.69 0.00	34.82 0.95 0.00	39.29 1.03 0.00	31.96 0.87 0.00	28.97 0.82 0.00	27.22 0.74 0.00	27.10 0.74 0.00	27.76 0.78 0.00	28.53 0.75 0.00	29.78 0.84 0.00	31.67 0.98 0.00	35.44 1.17 0.00	40.47 1.37 0.00	44.13 1.49 0.00	46.74 1.58 0.00	43.71 1.48 0.00	36.15 1.25 0.00	33.36 1.10 0.00	29.07 0.85 0.00
GILBOA___4 23759	26.91 0.76 0.00	25.20 0.69 0.00	23.86 0.63 0.00	24.06 0.61 0.00	25.38 0.62 0.00	28.14 0.69 0.00	34.82 0.95 0.00	39.29 1.03 0.00	31.96 0.87 0.00	28.97 0.82 0.00	27.22 0.74 0.00	27.10 0.74 0.00	27.76 0.78 0.00	28.53 0.75 0.00	29.78 0.84 0.00	31.67 0.98 0.00	35.44 1.17 0.00	40.47 1.37 0.00	44.13 1.49 0.00	46.74 1.58 0.00	43.71 1.48 0.00	36.15 1.25 0.00	33.36 1.10 0.00	29.07 0.85 0.00
GILBOA___ 23599	26.88 0.73 0.00	25.20 0.69 0.00	23.86 0.63 0.00	24.06 0.61 0.00	25.38 0.62 0.00	28.14 0.69 0.00	34.75 0.88 0.00	39.29 1.03 0.00	31.96 0.87 0.00	28.97 0.82 0.00	27.22 0.74 0.00	27.11 0.74 0.00	27.76 0.78 0.00	28.53 0.75 0.00	29.75 0.81 0.00	31.64 0.95 0.00	35.44 1.17 0.00	40.48 1.37 0.00	44.13 1.49 0.00	46.74 1.58 0.00	43.71 1.48 0.00	36.15 1.26 0.00	33.36 1.10 0.00	29.07 0.85 0.00
GINNA___ 23603	23.80 -2.35 0.00	22.21 -2.31 0.00	21.07 -2.16 0.00	21.53 -1.92 0.00	22.65 -2.10 0.00	25.25 -2.20 0.00	30.82 -3.05 0.00	35.61 -2.64 0.00	29.01 -2.08 0.00	26.12 -2.03 0.00	24.68 -1.80 0.00	24.63 -1.74 0.00	25.01 -1.97 0.00	25.95 -1.83 0.00	26.71 -2.23 0.00	28.32 -2.36 0.00	31.87 -2.40 0.00	36.17 -2.93 0.00	39.52 -3.11 0.00	41.82 -3.34 0.00	39.24 -3.00 0.00	32.35 -2.55 0.00	30.10 -2.16 0.00	26.33 -1.89 0.00
GLEN PARK___ 23778	25.65 -0.50 0.00	24.07 -0.44 0.00	22.79 -0.44 0.00	22.98 -0.47 0.00	24.36 -0.40 0.00	27.09 -0.36 0.00	33.26 -0.61 0.00	38.18 -0.08 0.00	30.94 -0.15 0.00	27.67 -0.48 0.00	25.98 -0.50 0.00	25.89 -0.47 0.00	26.44 -0.54 0.00	27.34 -0.45 0.00	28.51 -0.43 0.00	30.32 -0.37 0.00	33.59 -0.69 0.00	37.89 -1.21 0.00	41.82 -0.81 0.00	44.30 -0.86 0.00	41.43 -0.80 0.00	33.99 -0.91 0.00	31.40 -0.87 0.00	27.46 -0.76 0.00
GLENDALE_27_KV_LOAD 356172	27.98 1.83 0.00	26.25 1.74 0.00	24.79 1.56 0.00	24.93 1.48 0.00	26.34 1.58 0.00	29.10 1.65 0.00	36.04 2.17 0.00	40.78 2.52 0.00	33.46 2.36 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	29.99 2.19 -0.01	31.32 2.37 -0.01	33.49 2.79 -0.01	37.43 3.15 0.00	42.70 3.60 0.00	46.13 3.50 0.00	48.82 3.66 0.00	45.66 3.42 0.00	37.86 2.97 0.00	34.78 2.52 0.00	30.26 2.03 0.00
GLENWOOD_IC_1_G5 23712	27.95 1.80 0.00	26.20 1.69 0.00	24.72 1.49 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.07 1.62 0.00	36.14 2.27 0.00	40.82 2.56 0.00	33.24 2.15 0.00	30.24 2.08 -0.01	28.45 1.87 -0.01	28.25 1.87 -0.01	29.23 2.16 -0.09	30.13 2.17 -0.18	31.35 2.32 -0.09	33.51 2.67 -0.16	37.47 3.05 -0.15	45.26 3.40 -2.75	54.73 3.50 -8.60	55.02 3.66 -6.20	54.65 3.42 -8.99	42.74 2.90 -4.95	37.33 2.74 -2.32	30.21 1.98 -0.01
GLENWOOD_IC_2_G1 23688	27.87 1.73 0.00	26.08 1.57 0.00	24.67 1.44 0.00	24.83 1.38 0.00	26.17 1.41 0.00	28.96 1.51 0.00	36.07 2.20 0.00	40.63 2.37 0.00	33.14 2.05 0.00	30.12 1.97 0.00	28.36 1.88 0.00	28.18 1.82 0.00	28.97 2.00 0.00	29.76 1.97 0.00	31.12 2.17 0.00	33.17 2.48 0.00	37.09 2.81 0.00	42.47 3.29 -0.08	46.16 3.28 -0.24	48.86 3.52 -0.17	45.74 3.25 -0.25	37.82 2.79 -0.14	34.81 2.48 -0.06	30.06 1.83 0.00
GLENWOOD_IC_3_G1 23689	27.87 1.73 0.00	26.08 1.57 0.00	24.67 1.44 0.00	24.83 1.38 0.00	26.17 1.41 0.00	28.96 1.51 0.00	36.07 2.20 0.00	40.63 2.37 0.00	33.14 2.05 0.00	30.12 1.97 0.00	28.36 1.88 0.00	28.18 1.82 0.00	28.97 2.00 0.00	29.76 1.97 0.00	31.12 2.17 0.00	33.17 2.48 0.00	37.09 2.81 0.00	42.47 3.29 -0.08	46.16 3.28 -0.24	48.86 3.52 -0.17	45.74 3.25 -0.25	37.82 2.79 -0.14	34.81 2.48 -0.06	30.06 1.83 0.00
GLENWOOD___4 23550	27.95 1.80 0.00	26.20 1.69 0.00	24.72 1.49 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.07 1.62 0.00	36.14 2.27 0.00	40.82 2.56 0.00	33.24 2.15 0.00	30.24 2.08 -0.01	28.45 1.96 -0.01	28.25 1.87 -0.01	29.23 2.16 -0.09	30.13 2.17 -0.18	31.35 2.32 -0.09	33.51 2.67 -0.16	37.47 3.05 -0.15	45.34 3.48 -2.75	54.77 3.54 -8.60	55.06 3.70 -6.20	54.69 3.46 -8.99	42.78 2.93 -4.95	37.33 2.74 -2.32	30.21 1.98 -0.01
GLENWOOD___5 23614	27.95 1.80 0.00	26.20 1.69 0.00	24.72 1.49 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.07 1.62 0.00	36.14 2.27 0.00	40.82 2.56 0.00	33.24 2.15 0.00	30.24 2.08 -0.01	28.45 1.96 -0.01	28.25 1.87 -0.01	29.23 2.16 -0.09	30.13 2.17 -0.18	31.35 2.32 -0.09	33.51 2.67 -0.16	37.47 3.05 -0.15	45.34 3.48 -2.75	54.77 3.54 -8.60	55.06 3.70 -6.20	54.69 3.46 -8.99	42.78 2.93 -4.95	37.33 2.74 -2.32	30.21 1.98 -0.01
GLOBAL GREEN_PORT_GT1 23814	28.32 2.17 0.00	26.33 1.81 0.00	25.06 1.83 0.00	25.23 1.78 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.93 1.83 0.00	29.89 1.75 0.00	27.85 1.38 0.00	27.60 1.24 0.00	28.52 1.54 -0.01	29.28 1.47 -0.03	30.60 1.65 -0.01	32.70 1.99 -0.02	36.79 2.50 -0.02	42.96 3.36 -0.49	48.11 3.92 -1.56	50.67 4.38 -1.12	48.05 4.18 -1.63	39.39 3.59 -0.90	35.81 3.13 -0.42	30.08 1.86 0.00
GLOBE___DSASP 323697	23.72 -2.43 0.00	21.86 -2.65 0.00	20.98 -2.25 0.00	21.38 -2.06 0.00	22.36 -2.40 0.00	25.01 -2.44 0.00	30.96 -2.91 0.00	35.38 -2.87 0.00	29.01 -2.08 0.00	26.01 -2.14 0.00	24.87 -1.62 0.00	24.71 -1.66 0.00	24.79 -2.18 0.00	25.73 -2.06 0.00	26.74 -2.20 0.00	27.86 -2.82 0.00	31.22 -3.05 0.00	35.20 -3.91 0.00	38.58 -4.05 0.00	40.78 -4.38 0.00	38.31 -3.93 0.00	31.86 -3.04 0.00	29.68 -2.58 0.00	26.11 -2.12 0.00
GOETHSLN___LBMP 323567	27.67 1.52 0.00	25.96 1.45 0.00	24.53 1.30 0.00	24.69 1.24 0.00	26.07 1.31 0.00	28.82 1.37 0.00	35.70 1.83 0.00	40.36 2.10 0.00	33.11 2.02 0.00	30.15 2.00 0.00	28.23 1.75 0.00	28.11 1.74 0.00	28.89 1.92 0.00	29.67 1.89 0.00	31.00 2.05 0.00	33.14 2.45 0.00	37.05 2.78 0.00	42.31 3.21 0.00	45.75 3.11 0.00	48.46 3.30 0.00	45.28 3.04 0.00	37.48 2.58 0.00	34.43 2.16 0.00	29.92 1.69 0.00
GOLAH___69_KV_TB 1_2 80279	25.00 -1.15 0.00	23.14 -1.37 0.00	22.14 -1.09 0.00	22.53 -0.91 0.00	23.64 -1.11 0.00	26.44 -1.02 0.00	32.72 -1.15 0.00	37.26 -0.99 0.00	30.35 -0.75 0.00	27.25 -0.90 0.00	25.85 -0.64 0.00	25.73 -0.63 0.00	25.95 -1.03 0.00	26.89 -0.89 0.00	27.87 -1.07 0.00	29.21 -1.47 0.00	32.80 -1.47 0.00	37.23 -1.88 0.00	40.72 -1.92 0.00	43.13 -2.03 0.00	40.50 -1.73 0.00	33.50 -1.40 0.00	31.10 -1.16 0.00	27.29 -0.93 0.00



GOODYEAR_LAKE_HYD 323669	27.30 1.15 0.00	25.57 1.05 0.00	24.23 1.00 0.00	24.43 0.98 0.00	25.82 1.06 0.00	28.69 1.24 0.00	35.40 1.52 0.00	40.09 1.84 0.00	32.49 1.40 0.00	29.30 1.15 0.00	27.57 1.09 0.00	27.45 1.08 0.00	28.08 1.11 0.00	28.95 1.17 0.00	30.16 1.22 0.00	32.07 1.38 0.00	35.99 1.71 0.00	41.02 1.92 0.00	44.89 2.26 0.00	47.56 2.39 0.00	44.43 2.20 0.00	36.67 1.78 0.00	33.81 1.55 0.00	29.52 1.30 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	26.12 -0.03 0.00	24.39 -0.12 0.00	23.16 -0.07 0.00	23.42 -0.02 0.00	24.66 -0.10 0.00	27.45 0.00 0.00	33.91 0.03 0.00	38.41 0.15 0.00	31.31 0.22 0.00	28.21 0.06 0.00	26.61 0.13 0.00	26.47 0.11 0.00	26.95 -0.03 0.00	27.81 0.03 0.00	28.97 0.03 0.00	30.65 -0.03 0.00	34.27 0.00 0.00	39.07 -0.04 0.00	42.76 0.13 0.00	45.25 0.09 0.00	42.36 0.13 0.00	35.00 0.10 0.00	32.36 0.10 0.00	28.37 0.14 0.00
GOUDEY___7 23579	26.12 -0.03 0.00	24.39 -0.12 0.00	23.16 -0.07 0.00	23.42 -0.02 0.00	24.66 -0.10 0.00	27.45 0.00 0.00	33.91 0.03 0.00	38.41 0.15 0.00	31.31 0.22 0.00	28.21 0.06 0.00	26.61 0.13 0.00	26.47 0.11 0.00	26.95 -0.03 0.00	27.81 0.03 0.00	28.97 0.03 0.00	30.65 -0.03 0.00	34.27 0.00 0.00	39.07 -0.04 0.00	42.76 0.13 0.00	45.25 0.09 0.00	42.36 0.13 0.00	35.00 0.10 0.00	32.36 0.10 0.00	28.37 0.14 0.00
GOUDEY___8 23580	26.12 -0.03 0.00	24.39 -0.12 0.00	23.16 -0.07 0.00	23.42 -0.02 0.00	24.66 -0.10 0.00	27.45 0.00 0.00	33.91 0.03 0.00	38.41 0.15 0.00	31.31 0.22 0.00	28.21 0.06 0.00	26.61 0.13 0.00	26.47 0.11 0.00	26.95 -0.03 0.00	27.81 0.03 0.00	28.97 0.03 0.00	30.65 -0.03 0.00	34.27 0.00 0.00	39.07 -0.04 0.00	42.76 0.13 0.00	45.25 0.09 0.00	42.36 0.13 0.00	35.00 0.10 0.00	32.36 0.10 0.00	28.37 0.14 0.00
GOWANUS_GT1_1 24077	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GOWANUS_GT1_2 24078	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GOWANUS_GT1_3 24079	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GOWANUS_GT1_4 24080	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GOWANUS_GT1_5 24084	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GOWANUS_GT1_6 24111	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GOWANUS_GT1_7 24112	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GOWANUS_GT1_8 24113	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GOWANUS_GT2_1 24114	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
GOWANUS_GT2_2 24115	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
GOWANUS_GT2_3 24116	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01



GOWANUS_GT2_4 24117	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
GOWANUS_GT2_5 24118	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
GOWANUS_GT2_6 24119	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
GOWANUS_GT2_7 24120	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
GOWANUS_GT2_8 24121	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
GOWANUS_GT3_1 24122	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
GOWANUS_GT3_2 24123	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
GOWANUS_GT3_3 24124	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
GOWANUS_GT3_4 24125	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
GOWANUS_GT3_5 24126	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
GOWANUS_GT3_6 24127	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
GOWANUS_GT3_7 24128	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
GOWANUS_GT3_8 24129	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
GOWANUS_GT4_1 24130	28.09 1.94 -0.01	26.36 1.84 -0.01	24.88 1.65 0.00	25.02 1.57 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.11 2.24 0.00	40.82 2.56 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	30.01 2.22 -0.01	31.35 2.40 -0.01	33.52 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.09 3.45 0.00	48.73 3.57 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.88 2.61 0.00	30.38 2.15 -0.01
GOWANUS_GT4_2 24131	28.09 1.94 -0.01	26.36 1.84 -0.01	24.88 1.65 0.00	25.02 1.57 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.11 2.24 0.00	40.82 2.56 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	30.01 2.22 -0.01	31.35 2.40 -0.01	33.52 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.09 3.45 0.00	48.73 3.57 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.88 2.61 0.00	30.38 2.15 -0.01



GOWANUS_GT4_3 24132	28.09 1.94 -0.01	26.36 1.84 -0.01	24.88 1.65 0.00	25.02 1.57 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.11 2.24 0.00	40.82 2.56 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	30.01 2.22 -0.01	31.35 2.40 -0.01	33.52 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.09 3.45 0.00	48.73 3.57 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.88 2.61 0.00	30.38 2.15 -0.01
GOWANUS_GT4_4 24133	28.09 1.94 -0.01	26.36 1.84 -0.01	24.88 1.65 0.00	25.02 1.57 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.11 2.24 0.00	40.82 2.56 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	30.01 2.22 -0.01	31.35 2.40 -0.01	33.52 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.09 3.45 0.00	48.73 3.57 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.88 2.61 0.00	30.38 2.15 -0.01
GOWANUS_GT4_5 24134	28.09 1.94 -0.01	26.36 1.84 -0.01	24.88 1.65 0.00	25.02 1.57 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.11 2.24 0.00	40.82 2.56 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	30.01 2.22 -0.01	31.35 2.40 -0.01	33.52 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.09 3.45 0.00	48.73 3.57 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.88 2.61 0.00	30.38 2.15 -0.01
GOWANUS_GT4_6 24135	28.09 1.94 -0.01	26.36 1.84 -0.01	24.88 1.65 0.00	25.02 1.57 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.11 2.24 0.00	40.82 2.56 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	30.01 2.22 -0.01	31.35 2.40 -0.01	33.52 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.09 3.45 0.00	48.73 3.57 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.88 2.61 0.00	30.38 2.15 -0.01
GOWANUS_GT4_7 24136	28.09 1.94 -0.01	26.36 1.84 -0.01	24.88 1.65 0.00	25.02 1.57 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.11 2.24 0.00	40.82 2.56 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	30.01 2.22 -0.01	31.35 2.40 -0.01	33.52 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.09 3.45 0.00	48.73 3.57 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.88 2.61 0.00	30.38 2.15 -0.01
GOWANUS_GT4_8 24137	28.09 1.94 -0.01	26.36 1.84 -0.01	24.88 1.65 0.00	25.02 1.57 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.11 2.24 0.00	40.82 2.56 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.52 2.04 0.00	28.43 2.06 -0.01	29.19 2.21 -0.01	30.01 2.22 -0.01	31.35 2.40 -0.01	33.52 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.09 3.45 0.00	48.73 3.57 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.88 2.61 0.00	30.38 2.15 -0.01
GREENBSH_115KV_TB3 55895	26.86 0.71 0.00	25.17 0.66 0.00	23.81 0.58 0.00	23.99 0.54 0.00	25.35 0.59 0.00	28.08 0.63 0.00	34.72 0.85 0.00	39.13 0.88 0.00	31.81 0.72 0.00	28.82 0.68 0.00	27.09 0.61 0.00	26.97 0.61 0.00	27.65 0.67 0.00	28.42 0.64 0.00	29.61 0.67 0.00	31.54 0.86 0.00	35.27 0.99 0.00	40.36 1.25 0.00	44.00 1.36 0.00	46.65 1.49 0.00	43.59 1.35 0.00	36.05 1.15 0.00	33.36 1.10 0.00	29.02 0.79 0.00
GREENIDGE_115KV_TB5 80291	25.78 -0.37 0.00	23.97 -0.54 0.00	22.81 -0.42 0.00	23.17 -0.28 0.00	24.31 -0.45 0.00	27.18 -0.27 0.00	33.70 -0.17 0.00	38.18 -0.08 0.00	31.00 -0.09 0.00	27.81 -0.34 0.00	26.27 -0.21 0.00	26.16 -0.21 0.00	26.52 -0.46 0.00	27.45 -0.33 0.00	28.54 -0.41 0.00	30.10 -0.58 0.00	33.83 -0.45 0.00	38.52 -0.59 0.00	42.08 -0.55 0.00	44.58 -0.59 0.00	41.73 -0.51 0.00	34.65 -0.24 0.00	32.04 -0.23 0.00	28.11 -0.11 0.00
GREENIDGE___3 23582	25.78 -0.37 0.00	23.97 -0.54 0.00	22.81 -0.42 0.00	23.17 -0.28 0.00	24.31 -0.45 0.00	27.18 -0.27 0.00	33.70 -0.17 0.00	38.18 -0.08 0.00	31.00 -0.09 0.00	27.81 -0.34 0.00	26.27 -0.21 0.00	26.16 -0.21 0.00	26.52 -0.46 0.00	27.45 -0.33 0.00	28.54 -0.41 0.00	30.10 -0.58 0.00	33.83 -0.45 0.00	38.52 -0.59 0.00	42.08 -0.55 0.00	44.58 -0.59 0.00	41.73 -0.51 0.00	34.65 -0.24 0.00	32.04 -0.23 0.00	28.11 -0.11 0.00
GREENIDGE___4 23583	25.68 -0.47 0.00	23.97 -0.54 0.00	22.74 -0.49 0.00	23.14 -0.31 0.00	24.31 -0.44 0.00	27.18 -0.27 0.00	33.40 -0.47 0.00	38.18 -0.08 0.00	31.00 -0.09 0.00	27.84 -0.31 0.00	26.24 -0.24 0.00	26.10 -0.26 0.00	26.49 -0.48 0.00	27.45 -0.33 0.00	28.36 -0.58 0.00	30.10 -0.58 0.00	33.83 -0.45 0.00	38.52 -0.59 0.00	42.12 -0.51 0.00	44.57 -0.59 0.00	41.73 -0.50 0.00	34.65 -0.24 0.00	32.07 -0.19 0.00	28.11 -0.11 0.00
GREENLWN_69_KV_BK 3 55738	27.98 1.83 0.00	26.23 1.72 0.00	24.67 1.44 0.00	24.83 1.38 0.00	26.24 1.49 0.00	29.07 1.62 0.00	36.28 2.40 0.00	40.93 2.68 0.00	33.11 2.02 0.00	30.12 1.97 0.00	28.41 1.93 0.00	28.13 1.77 0.00	29.15 2.16 -0.02	29.98 2.17 -0.04	31.27 2.32 -0.02	33.38 2.67 -0.03	37.21 2.91 -0.03	43.00 3.28 -0.61	47.92 3.37 -1.92	50.07 3.52 -1.39	47.54 3.29 -2.01	38.97 2.97 -1.11	35.82 3.03 -0.52	30.20 1.98 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	28.12 1.96 -0.01	26.38 1.86 -0.01	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.38 2.15 -0.01
GRISSOM___SOLAR 323813	28.24 2.09 0.00	26.40 1.89 0.00	24.99 1.76 0.00	25.23 1.78 0.00	26.71 1.96 0.00	29.65 2.20 0.00	36.61 2.74 0.00	41.16 2.91 0.00	33.02 1.93 0.00	29.72 1.58 0.00	27.86 1.38 0.00	27.71 1.34 0.00	28.51 1.54 0.00	29.37 1.58 0.00	30.62 1.68 0.00	32.46 1.78 0.00	36.50 2.23 0.00	41.96 2.85 0.00	46.05 3.41 0.00	48.96 3.79 0.00	45.70 3.46 0.00	37.79 2.89 0.00	34.85 2.58 0.00	30.40 2.17 0.00
GROVEVILLE___HYD 323602	27.64 1.49 0.00	25.91 1.40 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.85 1.40 0.00	35.67 1.80 0.00	40.32 2.07 0.00	32.83 1.74 0.00	29.73 1.58 0.00	27.89 1.40 0.00	27.82 1.45 0.00	28.54 1.56 0.00	29.28 1.50 0.00	30.62 1.68 0.00	32.71 2.03 0.00	36.64 2.36 0.00	41.96 2.85 0.00	45.58 2.94 0.00	48.37 3.21 0.00	45.23 3.00 0.00	37.44 2.55 0.00	34.49 2.23 0.00	29.92 1.69 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	25.94 -0.21 0.00	24.29 -0.22 0.00	23.02 -0.21 0.00	23.28 -0.16 0.00	24.53 -0.22 0.00	27.23 -0.22 0.00	33.67 -0.20 0.00	38.06 -0.19 0.00	30.94 -0.16 0.00	27.92 -0.23 0.00	26.30 -0.19 0.00	26.21 -0.16 0.00	26.76 -0.22 0.00	27.64 -0.14 0.00	28.77 -0.17 0.00	30.44 -0.25 0.00	33.96 -0.31 0.00	38.68 -0.43 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.90 -0.34 0.00	34.61 -0.28 0.00	32.04 -0.23 0.00	28.14 -0.08 0.00



HAMLTNNY_34_KV_TB 80303	25.91 -0.24 0.00	24.24 -0.27 0.00	23.00 -0.23 0.00	23.26 -0.19 0.00	24.51 -0.25 0.00	27.23 -0.22 0.00	33.67 -0.20 0.00	38.10 -0.15 0.00	30.97 -0.12 0.00	27.92 -0.23 0.00	26.32 -0.16 0.00	26.21 -0.16 0.00	26.76 -0.22 0.00	27.67 -0.11 0.00	28.77 -0.17 0.00	30.44 -0.25 0.00	34.00 -0.27 0.00	38.72 -0.39 0.00	42.29 -0.34 0.00	44.80 -0.36 0.00	41.94 -0.30 0.00	34.65 -0.24 0.00	32.10 -0.16 0.00	28.17 -0.06 0.00
HAMPSHIRE___PAPER_HYD 323593	25.31 -0.84 0.00	23.78 -0.73 0.00	22.56 -0.67 0.00	22.77 -0.68 0.00	24.16 -0.59 0.00	26.79 -0.66 0.00	32.82 -1.05 0.00	37.11 -1.15 0.00	29.98 -1.12 0.00	27.05 -1.10 0.00	25.40 -1.09 0.00	25.28 -1.08 0.00	25.89 -1.08 0.00	26.75 -1.03 0.00	27.90 -1.04 0.00	29.55 -1.13 0.00	32.83 -1.44 0.00	37.31 -1.80 0.00	40.80 -1.83 0.00	43.18 -1.99 0.00	40.33 -1.90 0.00	33.18 -1.71 0.00	30.69 -1.58 0.00	26.79 -1.44 0.00
HARDSCRABBLE_WT_PWR 323673	25.37 -0.78 0.00	23.83 -0.69 0.00	22.58 -0.65 0.00	22.79 -0.66 0.00	24.09 -0.67 0.00	26.74 -0.71 0.00	32.82 -1.05 0.00	37.07 -1.19 0.00	30.00 -1.09 0.00	27.11 -1.04 0.00	25.55 -0.93 0.00	25.50 -0.87 0.00	26.09 -0.89 0.00	26.84 -0.94 0.00	27.99 -0.95 0.00	29.61 -1.07 0.00	33.11 -1.17 0.00	37.66 -1.45 0.00	41.06 -1.58 0.00	43.27 -1.90 0.00	40.25 -1.98 0.00	33.15 -1.74 0.00	30.49 -1.77 0.00	26.59 -1.64 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	27.46 1.31 0.00	25.74 1.23 0.00	24.39 1.16 0.00	24.55 1.10 0.00	25.90 1.14 0.00	28.71 1.26 0.00	35.46 1.59 0.00	40.13 1.87 0.00	32.74 1.65 0.00	29.67 1.52 0.00	27.86 1.38 0.00	27.76 1.40 0.00	28.49 1.51 0.00	29.23 1.44 0.00	30.56 1.62 0.00	32.62 1.93 0.00	36.53 2.26 0.00	41.80 2.70 0.00	45.41 2.77 0.00	48.19 3.03 0.00	45.02 2.79 0.00	37.23 2.34 0.00	34.30 2.03 0.00	29.78 1.55 0.00
HARSNRAD_115KV_TB1 81005	24.11 -2.04 0.00	22.21 -2.30 0.00	21.30 -1.93 0.00	21.71 -1.74 0.00	22.70 -2.05 0.00	25.45 -2.00 0.00	31.50 -2.37 0.00	36.00 -2.26 0.00	29.48 -1.62 0.00	26.38 -1.77 0.00	25.24 -1.24 0.00	25.05 -1.32 0.00	25.11 -1.86 0.00	26.09 -1.69 0.00	27.09 -1.85 0.00	28.26 -2.42 0.00	31.67 -2.60 0.00	35.78 -3.32 0.00	39.27 -3.37 0.00	41.46 -3.70 0.00	38.94 -3.29 0.00	32.35 -2.55 0.00	30.14 -2.13 0.00	26.48 -1.75 0.00
HARZA MOOSE___RIVER 24016	26.20 0.05 0.00	24.59 0.07 0.00	23.28 0.05 0.00	23.50 0.05 0.00	24.86 0.10 0.00	27.62 0.16 0.00	34.01 0.14 0.00	38.60 0.34 0.00	31.25 0.16 0.00	28.09 -0.06 0.00	26.40 -0.08 0.00	26.31 -0.05 0.00	26.89 -0.08 0.00	27.75 -0.03 0.00	28.94 0.00 0.00	30.75 0.06 0.00	34.20 -0.07 0.00	38.87 -0.23 0.00	42.59 -0.04 0.00	44.98 -0.18 0.00	42.02 -0.21 0.00	34.58 -0.31 0.00	31.94 -0.32 0.00	27.91 -0.31 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	25.81 -0.34 0.00	24.14 -0.37 0.00	22.90 -0.33 0.00	23.14 -0.30 0.00	24.39 -0.37 0.00	27.09 -0.36 0.00	33.47 -0.41 0.00	37.83 -0.42 0.00	30.78 -0.31 0.00	27.81 -0.34 0.00	26.19 -0.29 0.00	26.08 -0.29 0.00	26.65 -0.32 0.00	27.50 -0.28 0.00	28.62 -0.32 0.00	30.29 -0.40 0.00	33.76 -0.51 0.00	38.44 -0.66 0.00	41.99 -0.64 0.00	44.44 -0.72 0.00	41.64 -0.59 0.00	34.41 -0.49 0.00	31.85 -0.42 0.00	27.97 -0.25 0.00
HELLGATE_13_KV_LD 55870	27.95 1.80 0.00	26.23 1.72 0.00	24.76 1.53 0.00	24.93 1.48 0.00	26.34 1.58 0.00	29.07 1.62 0.00	36.01 2.13 0.00	40.74 2.49 0.00	33.43 2.33 0.00	30.44 2.28 -0.01	28.50 2.01 0.00	28.41 2.03 -0.01	29.17 2.18 -0.01	29.99 2.19 -0.01	31.32 2.37 -0.01	33.45 2.76 -0.01	37.39 3.12 0.00	42.67 3.56 0.00	46.04 3.41 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.79 2.90 0.00	34.75 2.48 0.00	30.23 2.00 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	27.95 1.80 0.00	26.23 1.72 0.00	24.76 1.53 0.00	24.93 1.48 0.00	26.34 1.58 0.00	29.07 1.62 0.00	36.01 2.13 0.00	40.74 2.49 0.00	33.43 2.33 0.00	30.44 2.28 -0.01	28.50 2.01 0.00	28.41 2.03 -0.01	29.17 2.18 -0.01	29.99 2.19 -0.01	31.32 2.37 -0.01	33.45 2.76 -0.01	37.39 3.12 0.00	42.67 3.56 0.00	46.04 3.41 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.79 2.90 0.00	34.75 2.48 0.00	30.23 2.00 0.00
HEMPSTEAD____ 23647	28.03 1.88 0.00	26.18 1.67 0.00	24.76 1.53 0.00	24.90 1.45 0.00	26.22 1.46 0.00	29.01 1.56 0.00	36.31 2.44 0.00	40.89 2.64 0.00	33.21 2.12 0.00	30.21 2.05 -0.01	28.51 2.01 -0.01	28.28 1.90 -0.01	29.20 2.13 -0.10	30.08 2.11 -0.19	31.36 2.32 -0.10	33.45 2.61 -0.16	37.33 2.91 -0.15	45.19 3.40 -2.68	54.41 3.41 -8.36	54.84 3.66 -6.02	54.40 3.42 -8.74	42.64 2.93 -4.81	37.37 2.78 -2.33	30.15 1.92 -0.01
HEWLETT_69_KV_BK3 55828	28.22 2.07 0.00	26.45 1.94 0.00	24.88 1.65 0.00	25.07 1.62 0.00	26.47 1.71 0.00	29.32 1.87 0.00	36.51 2.64 0.00	41.16 2.91 0.00	33.43 2.33 0.00	30.41 2.22 -0.04	28.75 2.20 -0.06	28.49 2.06 -0.06	29.75 2.43 -0.34	30.87 2.44 -0.64	31.89 2.60 -0.34	34.18 2.95 -0.55	38.20 3.36 -0.57	52.72 3.83 -9.79	76.92 3.88 -30.41	71.21 4.15 -21.90	77.88 3.84 -31.80	55.70 3.31 -17.49	43.01 3.16 -7.58	30.50 2.23 -0.04
HICKLING___1 23621	25.84 -0.31 0.00	24.02 -0.49 0.00	22.88 -0.35 0.00	23.21 -0.23 0.00	24.34 -0.42 0.00	27.20 -0.25 0.00	33.63 -0.24 0.00	38.14 -0.11 0.00	31.06 -0.03 0.00	27.90 -0.25 0.00	26.38 -0.11 0.00	26.21 -0.16 0.00	26.54 -0.43 0.00	27.48 -0.31 0.00	28.57 -0.38 0.00	30.16 -0.52 0.00	33.79 -0.48 0.00	38.44 -0.66 0.00	42.25 -0.38 0.00	44.67 -0.50 0.00	41.81 -0.42 0.00	34.61 -0.28 0.00	32.01 -0.26 0.00	28.08 -0.14 0.00
HICKLING___2 23622	25.84 -0.31 0.00	24.02 -0.49 0.00	22.88 -0.35 0.00	23.21 -0.23 0.00	24.34 -0.42 0.00	27.20 -0.25 0.00	33.63 -0.24 0.00	38.14 -0.11 0.00	31.06 -0.03 0.00	27.90 -0.25 0.00	26.38 -0.11 0.00	26.21 -0.16 0.00	26.54 -0.43 0.00	27.48 -0.31 0.00	28.57 -0.38 0.00	30.16 -0.52 0.00	33.79 -0.48 0.00	38.44 -0.66 0.00	42.25 -0.38 0.00	44.67 -0.50 0.00	41.81 -0.42 0.00	34.61 -0.28 0.00	32.01 -0.26 0.00	28.08 -0.14 0.00
HIGH FALLS___HY 23754	27.51 1.36 0.00	25.79 1.27 0.00	24.41 1.18 0.00	24.57 1.13 0.00	25.95 1.19 0.00	28.74 1.29 0.00	35.53 1.66 0.00	40.20 1.95 0.00	32.77 1.68 0.00	29.64 1.49 0.00	27.81 1.32 0.00	27.71 1.34 0.00	28.43 1.46 0.00	29.17 1.39 0.00	30.53 1.59 0.00	32.59 1.90 0.00	36.53 2.26 0.00	41.84 2.74 0.00	45.49 2.86 0.00	48.28 3.12 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.40 2.13 0.00	29.83 1.61 0.00
HIGH_RIVER___SOLAR 323847	27.80 1.65 0.00	26.01 1.50 0.00	24.62 1.39 0.00	24.83 1.38 0.00	26.27 1.51 0.00	29.13 1.67 0.00	36.01 2.14 0.00	40.43 2.18 0.00	32.43 1.34 0.00	29.11 0.96 0.00	27.30 0.82 0.00	27.13 0.77 0.00	27.89 0.92 0.00	28.75 0.97 0.00	29.93 0.98 0.00	31.76 1.07 0.00	35.68 1.41 0.00	41.02 1.92 0.00	44.98 2.34 0.00	47.83 2.66 0.00	44.68 2.45 0.00	36.92 2.02 0.00	34.07 1.81 0.00	29.75 1.52 0.00



HILLBURN___GT 23639	27.53 1.38 0.00	25.79 1.27 0.00	24.46 1.23 0.00	24.60 1.15 0.00	25.97 1.21 0.00	28.77 1.32 0.00	35.67 1.79 0.00	40.28 2.03 0.00	32.93 1.83 0.00	29.87 1.72 0.00	28.04 1.56 0.00	27.92 1.56 0.00	28.65 1.67 0.00	29.39 1.61 0.00	30.77 1.82 0.00	32.80 2.12 0.00	36.71 2.43 0.00	41.96 2.85 0.00	45.53 2.90 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.36 2.10 0.00	29.86 1.64 0.00
HILLSIDE_115KV_TB1 80332	25.60 -0.55 0.00	23.85 -0.66 0.00	22.70 -0.53 0.00	23.00 -0.45 0.00	24.14 -0.62 0.00	26.96 -0.49 0.00	33.26 -0.61 0.00	37.79 -0.46 0.00	30.81 -0.28 0.00	27.70 -0.45 0.00	26.19 -0.29 0.00	26.00 -0.37 0.00	26.35 -0.62 0.00	27.25 -0.53 0.00	28.36 -0.58 0.00	29.92 -0.77 0.00	33.48 -0.79 0.00	38.17 -0.94 0.00	41.91 -0.72 0.00	44.30 -0.86 0.00	41.47 -0.76 0.00	34.34 -0.56 0.00	31.75 -0.52 0.00	27.89 -0.34 0.00
HISHELDN_WT_PWR 323625	24.48 -1.67 0.00	22.77 -1.74 0.00	21.65 -1.58 0.00	22.16 -1.29 0.00	23.20 -1.56 0.00	26.00 -1.46 0.00	31.54 -2.34 0.00	36.57 -1.68 0.00	29.85 -1.24 0.00	26.71 -1.43 0.00	25.40 -1.09 0.00	25.21 -1.16 0.00	25.36 -1.62 0.00	26.34 -1.45 0.00	27.09 -1.85 0.00	28.63 -2.06 0.00	32.15 -2.12 0.00	36.41 -2.70 0.00	40.12 -2.52 0.00	42.23 -2.93 0.00	39.58 -2.66 0.00	32.84 -2.06 0.00	30.55 -1.71 0.00	26.81 -1.41 0.00
HOLTSVILLE_IC_1 23690	28.32 2.17 0.00	26.35 1.84 0.00	25.02 1.79 0.00	25.18 1.74 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.79 2.91 0.00	41.39 3.14 0.00	33.14 2.05 0.00	30.14 2.00 0.00	28.36 1.88 0.00	28.05 1.69 0.00	28.95 1.97 -0.01	29.75 1.94 -0.03	31.09 2.14 -0.01	33.13 2.42 -0.02	37.14 2.84 -0.02	43.11 3.52 -0.48	48.08 3.92 -1.53	50.56 4.29 -1.10	47.88 4.05 -1.59	39.34 3.56 -0.88	35.93 3.26 -0.41	30.26 2.03 0.00
HOLTSVILLE_IC_10 23699	28.42 2.27 0.00	26.45 1.94 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.44 1.68 0.00	29.32 1.87 0.00	36.95 3.08 0.00	41.58 3.33 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.47 1.99 0.00	28.13 1.77 0.00	29.01 2.02 -0.01	29.81 2.00 -0.03	31.15 2.20 -0.01	33.23 2.52 -0.02	37.28 2.98 -0.02	43.31 3.67 -0.53	48.45 4.13 -1.68	50.89 4.52 -1.21	48.30 4.31 -1.75	39.60 3.74 -0.97	36.11 3.39 -0.45	30.37 2.14 0.00
HOLTSVILLE_IC_2 23691	28.32 2.17 0.00	26.35 1.84 0.00	25.02 1.79 0.00	25.18 1.74 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.79 2.91 0.00	41.39 3.14 0.00	33.14 2.05 0.00	30.14 2.00 0.00	28.36 1.88 0.00	28.05 1.69 0.00	28.95 1.97 -0.01	29.75 1.94 -0.03	31.09 2.14 -0.01	33.13 2.42 -0.02	37.14 2.84 -0.02	43.11 3.52 -0.48	48.08 3.92 -1.53	50.56 4.29 -1.10	47.88 4.05 -1.59	39.34 3.56 -0.88	35.93 3.26 -0.41	30.26 2.03 0.00
HOLTSVILLE_IC_3 23692	28.32 2.17 0.00	26.35 1.84 0.00	25.02 1.79 0.00	25.18 1.74 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.79 2.91 0.00	41.39 3.14 0.00	33.14 2.05 0.00	30.14 2.00 0.00	28.36 1.88 0.00	28.05 1.69 0.00	28.95 1.97 -0.01	29.75 1.94 -0.03	31.09 2.14 -0.01	33.13 2.42 -0.02	37.14 2.84 -0.02	43.11 3.52 -0.48	48.08 3.92 -1.53	50.56 4.29 -1.10	47.88 4.05 -1.59	39.34 3.56 -0.88	35.93 3.26 -0.41	30.26 2.03 0.00
HOLTSVILLE_IC_4 23693	28.32 2.17 0.00	26.35 1.84 0.00	25.02 1.79 0.00	25.18 1.74 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.79 2.91 0.00	41.39 3.14 0.00	33.14 2.05 0.00	30.14 2.00 0.00	28.36 1.88 0.00	28.05 1.69 0.00	28.95 1.97 -0.01	29.75 1.94 -0.03	31.09 2.14 -0.01	33.13 2.42 -0.02	37.14 2.84 -0.02	43.11 3.52 -0.48	48.08 3.92 -1.53	50.56 4.29 -1.10	47.88 4.05 -1.59	39.34 3.56 -0.88	35.93 3.26 -0.41	30.26 2.03 0.00
HOLTSVILLE_IC_5 23694	28.32 2.17 0.00	26.35 1.84 0.00	25.02 1.79 0.00	25.18 1.74 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.79 2.91 0.00	41.39 3.14 0.00	33.14 2.05 0.00	30.14 2.00 0.00	28.36 1.88 0.00	28.05 1.69 0.00	28.95 1.97 -0.01	29.75 1.94 -0.03	31.09 2.14 -0.01	33.13 2.42 -0.02	37.14 2.84 -0.02	43.11 3.52 -0.48	48.08 3.92 -1.53	50.56 4.29 -1.10	47.88 4.05 -1.59	39.34 3.56 -0.88	35.93 3.26 -0.41	30.26 2.03 0.00
HOLTSVILLE_IC_6 23695	28.42 2.27 0.00	26.45 1.94 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.44 1.68 0.00	29.32 1.87 0.00	36.95 3.08 0.00	41.58 3.33 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.47 1.99 0.00	28.13 1.77 0.00	29.01 2.02 -0.01	29.81 2.00 -0.03	31.15 2.20 -0.01	33.23 2.52 -0.02	37.28 2.98 -0.02	43.31 3.67 -0.53	48.45 4.13 -1.68	50.89 4.52 -1.21	48.30 4.31 -1.75	39.60 3.74 -0.97	36.11 3.39 -0.45	30.37 2.14 0.00
HOLTSVILLE_IC_7 23696	28.42 2.27 0.00	26.45 1.94 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.44 1.68 0.00	29.32 1.87 0.00	36.95 3.08 0.00	41.58 3.33 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.47 1.99 0.00	28.13 1.77 0.00	29.01 2.02 -0.01	29.81 2.00 -0.03	31.15 2.20 -0.01	33.23 2.52 -0.02	37.28 2.98 -0.02	43.31 3.67 -0.53	48.45 4.13 -1.68	50.89 4.52 -1.21	48.30 4.31 -1.75	39.60 3.74 -0.97	36.11 3.39 -0.45	30.37 2.14 0.00
HOLTSVILLE_IC_8 23697	28.42 2.27 0.00	26.45 1.94 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.44 1.68 0.00	29.32 1.87 0.00	36.95 3.08 0.00	41.58 3.33 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.47 1.99 0.00	28.13 1.77 0.00	29.01 2.02 -0.01	29.81 2.00 -0.03	31.15 2.20 -0.01	33.23 2.52 -0.02	37.28 2.98 -0.02	43.31 3.67 -0.53	48.45 4.13 -1.68	50.89 4.52 -1.21	48.30 4.31 -1.75	39.60 3.74 -0.97	36.11 3.39 -0.45	30.37 2.14 0.00
HOLTSVILLE_IC_9 23698	28.42 2.27 0.00	26.45 1.94 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.44 1.68 0.00	29.32 1.87 0.00	36.95 3.08 0.00	41.58 3.33 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.47 1.99 0.00	28.13 1.77 0.00	29.01 2.02 -0.01	29.81 2.00 -0.03	31.15 2.20 -0.01	33.23 2.52 -0.02	37.28 2.98 -0.02	43.31 3.67 -0.53	48.45 4.13 -1.68	50.89 4.52 -1.21	48.30 4.31 -1.75	39.60 3.74 -0.97	36.11 3.39 -0.45	30.37 2.14 0.00
HOMER_HL_115KV_TB2 355744	24.84 -1.31 0.00	22.97 -1.54 0.00	22.00 -1.23 0.00	22.37 -1.08 0.00	23.32 -1.44 0.00	26.22 -1.24 0.00	32.28 -1.59 0.00	36.80 -1.45 0.00	30.22 -0.87 0.00	26.97 -1.18 0.00	25.77 -0.72 0.00	25.50 -0.87 0.00	25.54 -1.43 0.00	26.48 -1.31 0.00	27.50 -1.45 0.00	28.81 -1.87 0.00	32.28 -1.99 0.00	36.72 -2.39 0.00	40.46 -2.17 0.00	42.68 -2.48 0.00	39.95 -2.28 0.00	33.11 -1.78 0.00	30.65 -1.61 0.00	27.07 -1.16 0.00
HOWARD_WT_PWR 323690	25.26 -0.89 0.00	23.43 -1.08 0.00	22.26 -0.97 0.00	22.70 -0.75 0.00	23.82 -0.94 0.00	26.68 -0.77 0.00	32.69 -1.19 0.00	37.49 -0.76 0.00	30.47 -0.62 0.00	27.25 -0.90 0.00	25.79 -0.69 0.00	25.60 -0.77 0.00	25.82 -1.16 0.00	26.73 -1.06 0.00	27.53 -1.42 0.00	29.12 -1.56 0.00	32.77 -1.51 0.00	37.27 -1.84 0.00	41.10 -1.53 0.00	43.22 -1.94 0.00	40.38 -1.86 0.00	33.32 -1.57 0.00	30.78 -1.48 0.00	27.46 -0.76 0.00



HQ_GEN_CEDARS 23644	25.84 -0.31 0.00	24.32 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.73 -0.02 0.00	27.40 -0.05 0.00	33.60 -0.27 0.00	37.72 -0.54 0.00	30.53 -0.56 0.00	27.73 -0.42 0.00	26.09 -0.40 0.00	25.95 -0.42 0.00	26.60 -0.38 0.00	27.42 -0.36 0.00	28.54 -0.41 0.00	30.22 -0.46 0.00	33.69 -0.58 0.00	38.36 -0.74 0.00	41.78 -0.85 0.00	44.21 -0.95 0.00	41.35 -0.89 0.00	34.09 -0.80 0.00	31.59 -0.68 0.00	27.60 -0.62 0.00
HQ_GEN_CEDARS_PROXY 323590	25.84 -0.31 0.00	24.31 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.73 -0.02 0.00	27.40 -0.05 0.00	33.64 -0.24 0.00	37.72 -0.54 0.00	30.53 -0.56 0.00	27.73 -0.42 0.00	26.09 -0.40 0.00	25.97 -0.39 0.00	26.60 -0.38 0.00	27.42 -0.36 0.00	28.57 -0.38 0.00	30.23 -0.46 0.00	33.69 -0.58 0.00	38.08 -0.74 0.28	42.06 -0.85 -0.28	44.21 -0.95 0.00	41.35 -0.89 0.00	34.09 -0.80 0.00	31.59 -0.68 0.00	27.60 -0.62 0.00
HQ_GEN_IMPORT 323601	25.94 -0.21 0.00	24.34 -0.17 0.00	23.09 -0.14 0.00	23.31 -0.14 0.00	24.66 -0.10 0.00	27.31 -0.14 0.00	33.67 -0.20 0.00	37.91 -0.34 0.00	30.78 -0.31 0.00	27.92 -0.23 0.00	26.27 -0.21 0.00	26.16 -0.21 0.00	26.76 -0.22 0.00	27.56 -0.22 0.00	28.71 -0.23 0.00	30.41 -0.28 0.00	33.93 -0.34 0.00	38.39 -0.43 0.28	42.45 -0.47 -0.28	44.62 -0.54 0.00	41.73 -0.50 0.00	34.48 -0.42 0.00	31.88 -0.39 0.00	27.89 -0.34 0.00
HQ_GEN_WHEEL 23651	25.94 -0.21 0.00	24.34 -0.17 0.00	23.09 -0.14 0.00	23.31 -0.14 0.00	24.66 -0.10 0.00	27.31 -0.14 0.00	33.67 -0.20 0.00	37.91 -0.34 0.00	30.78 -0.31 0.00	27.92 -0.23 0.00	26.27 -0.21 0.00	26.16 -0.21 0.00	26.76 -0.22 0.00	27.56 -0.22 0.00	28.71 -0.23 0.00	30.41 -0.28 0.00	33.93 -0.34 0.00	38.39 -0.43 0.28	42.45 -0.47 -0.28	44.62 -0.54 0.00	41.73 -0.50 0.00	34.48 -0.42 0.00	31.88 -0.39 0.00	27.89 -0.34 0.00
HUDSON AVE_GT_3 23810	27.80 1.65 0.00	26.10 1.59 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	35.87 2.00 0.00	40.55 2.30 0.00	33.24 2.15 0.00	30.26 2.11 0.00	28.34 1.85 0.00	28.21 1.85 0.00	29.00 2.02 0.00	29.78 2.00 0.00	31.11 2.17 0.00	33.23 2.55 0.00	37.19 2.91 0.00	42.47 3.36 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.59 2.32 0.00	30.06 1.83 0.00
HUDSON AVE_GT_4 23540	27.80 1.65 0.00	26.10 1.59 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	35.87 2.00 0.00	40.55 2.30 0.00	33.24 2.15 0.00	30.26 2.11 0.00	28.34 1.85 0.00	28.21 1.85 0.00	29.00 2.02 0.00	29.78 2.00 0.00	31.11 2.17 0.00	33.23 2.55 0.00	37.19 2.91 0.00	42.47 3.36 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.59 2.32 0.00	30.06 1.83 0.00
HUDSON AVE_GT_5 23657	27.80 1.65 0.00	26.10 1.59 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.93 1.48 0.00	35.87 2.00 0.00	40.55 2.30 0.00	33.24 2.15 0.00	30.26 2.11 0.00	28.34 1.85 0.00	28.21 1.85 0.00	29.00 2.02 0.00	29.78 2.00 0.00	31.11 2.17 0.00	33.23 2.55 0.00	37.19 2.91 0.00	42.47 3.36 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.59 2.32 0.00	30.06 1.83 0.00
HUDSON_AVE_10 24168	27.77 1.62 0.00	26.06 1.54 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.91 1.45 0.00	35.84 1.96 0.00	40.47 2.22 0.00	33.21 2.11 0.00	30.23 2.08 0.00	28.28 1.80 0.00	28.16 1.79 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.55 2.65 0.00	34.56 2.29 0.00	30.03 1.81 0.00
HUDSON___115KV_TB 4 355613	27.22 1.07 0.00	25.49 0.98 0.00	24.11 0.88 0.00	24.32 0.87 0.00	25.70 0.94 0.00	28.47 1.02 0.00	35.19 1.32 0.00	39.63 1.38 0.00	32.03 0.93 0.00	28.91 0.76 0.00	27.12 0.64 0.00	27.00 0.63 0.00	27.68 0.70 0.00	28.45 0.67 0.00	29.70 0.75 0.00	31.67 0.98 0.00	35.51 1.23 0.00	40.79 1.68 0.00	44.55 1.92 0.00	47.33 2.17 0.00	44.22 1.99 0.00	36.57 1.67 0.00	33.85 1.58 0.00	29.47 1.24 0.00
HUNTER MOUNT___DRP 323613	27.33 1.18 0.00	25.57 1.05 0.00	24.18 0.95 0.00	24.36 0.91 0.00	25.77 1.02 0.00	28.55 1.10 0.00	35.29 1.42 0.00	39.67 1.42 0.00	32.03 0.93 0.00	28.82 0.68 0.00	27.04 0.56 0.00	26.95 0.58 0.00	27.62 0.65 0.00	28.39 0.61 0.00	29.64 0.69 0.00	31.61 0.92 0.00	35.47 1.20 0.00	40.79 1.68 0.00	44.55 1.92 0.00	47.38 2.21 0.00	44.30 2.07 0.00	36.64 1.74 0.00	33.94 1.68 0.00	29.55 1.33 0.00
HUNTINGTON_RES_REC 323705	28.29 2.14 0.00	26.35 1.84 0.00	24.97 1.74 0.00	25.14 1.69 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.72 2.85 0.00	41.31 3.06 0.00	33.27 2.18 0.00	30.28 2.14 0.00	28.55 2.07 0.00	28.24 1.87 0.00	29.12 2.13 -0.01	29.92 2.11 -0.03	31.30 2.34 -0.01	33.38 2.67 -0.03	37.31 3.02 -0.02	43.21 3.56 -0.54	48.15 3.79 -1.72	50.51 4.11 -1.24	47.88 3.84 -1.80	39.27 3.38 -0.99	35.99 3.26 -0.46	30.34 2.12 0.00
HUNTLEY___63 23557	24.32 -1.83 0.00	22.43 -2.08 0.00	21.49 -1.74 0.00	21.90 -1.55 0.00	22.90 -1.86 0.00	25.64 -1.81 0.00	31.77 -2.10 0.00	36.30 -1.95 0.00	29.76 -1.34 0.00	26.60 -1.55 0.00	25.48 -1.01 0.00	25.29 -1.08 0.00	25.33 -1.65 0.00	26.31 -1.47 0.00	27.32 -1.62 0.00	28.51 -2.18 0.00	31.91 -2.36 0.00	36.06 -3.05 0.00	39.56 -3.07 0.00	41.78 -3.39 0.00	39.24 -3.00 0.00	32.59 -2.30 0.00	30.30 -1.97 0.00	26.64 -1.58 0.00
HUNTLEY___64 23558	24.32 -1.83 0.00	22.43 -2.08 0.00	21.49 -1.74 0.00	21.90 -1.55 0.00	22.90 -1.86 0.00	25.64 -1.81 0.00	31.77 -2.10 0.00	36.30 -1.95 0.00	29.76 -1.34 0.00	26.60 -1.55 0.00	25.48 -1.01 0.00	25.29 -1.08 0.00	25.33 -1.65 0.00	26.31 -1.47 0.00	27.32 -1.62 0.00	28.51 -2.18 0.00	31.91 -2.36 0.00	36.06 -3.05 0.00	39.56 -3.07 0.00	41.78 -3.39 0.00	39.24 -3.00 0.00	32.59 -2.30 0.00	30.30 -1.97 0.00	26.64 -1.58 0.00
HUNTLEY___65 23559	24.32 -1.83 0.00	22.43 -2.08 0.00	21.49 -1.74 0.00	21.90 -1.55 0.00	22.90 -1.86 0.00	25.64 -1.81 0.00	31.77 -2.10 0.00	36.30 -1.95 0.00	29.76 -1.34 0.00	26.60 -1.55 0.00	25.48 -1.01 0.00	25.29 -1.08 0.00	25.33 -1.65 0.00	26.31 -1.47 0.00	27.32 -1.62 0.00	28.51 -2.18 0.00	31.91 -2.36 0.00	36.06 -3.05 0.00	39.56 -3.07 0.00	41.78 -3.39 0.00	39.24 -3.00 0.00	32.59 -2.30 0.00	30.30 -1.97 0.00	26.64 -1.58 0.00
HUNTLEY___66 23560	24.32 -1.83 0.00	22.43 -2.08 0.00	21.49 -1.74 0.00	21.90 -1.55 0.00	22.90 -1.86 0.00	25.64 -1.81 0.00	31.77 -2.10 0.00	36.30 -1.95 0.00	29.76 -1.34 0.00	26.60 -1.55 0.00	25.48 -1.01 0.00	25.29 -1.08 0.00	25.33 -1.65 0.00	26.31 -1.47 0.00	27.32 -1.62 0.00	28.51 -2.18 0.00	31.91 -2.36 0.00	36.06 -3.05 0.00	39.56 -3.07 0.00	41.78 -3.39 0.00	39.24 -3.00 0.00	32.59 -2.30 0.00	30.30 -1.97 0.00	26.64 -1.58 0.00



HUNTLEY___67 23561	24.24 -1.91 0.00	22.35 -2.16 0.00	21.42 -1.81 0.00	21.83 -1.62 0.00	22.80 -1.96 0.00	25.56 -1.89 0.00	31.64 -2.24 0.00	36.11 -2.14 0.00	29.60 -1.49 0.00	26.52 -1.63 0.00	25.34 -1.14 0.00	25.18 -1.19 0.00	25.25 -1.73 0.00	26.23 -1.56 0.00	27.24 -1.71 0.00	28.41 -2.27 0.00	31.84 -2.43 0.00	35.94 -3.17 0.00	39.44 -3.20 0.00	41.64 -3.52 0.00	39.11 -3.13 0.00	32.49 -2.41 0.00	30.23 -2.03 0.00	26.59 -1.64 0.00
HUNTLEY___68 23562	24.24 -1.91 0.00	22.35 -2.16 0.00	21.42 -1.81 0.00	21.83 -1.62 0.00	22.80 -1.96 0.00	25.56 -1.89 0.00	31.64 -2.24 0.00	36.11 -2.14 0.00	29.60 -1.49 0.00	26.52 -1.63 0.00	25.34 -1.14 0.00	25.18 -1.19 0.00	25.25 -1.73 0.00	26.23 -1.56 0.00	27.24 -1.71 0.00	28.41 -2.27 0.00	31.84 -2.43 0.00	35.94 -3.17 0.00	39.44 -3.20 0.00	41.64 -3.52 0.00	39.11 -3.13 0.00	32.49 -2.41 0.00	30.23 -2.03 0.00	26.59 -1.64 0.00
HYLAND___LFGE 323620	25.78 -0.37 0.00	24.02 -0.49 0.00	22.79 -0.44 0.00	23.33 -0.12 0.00	24.51 -0.25 0.00	27.45 0.00 0.00	33.53 -0.34 0.00	38.52 0.27 0.00	30.91 -0.19 0.00	27.45 -0.70 0.00	25.82 -0.66 0.00	25.63 -0.74 0.00	25.84 -1.13 0.00	26.78 -1.00 0.00	27.61 -1.33 0.00	29.43 -1.26 0.00	33.42 -0.86 0.00	38.25 -0.86 0.00	42.46 -0.17 0.00	45.16 0.00 0.00	42.53 0.30 0.00	35.00 0.10 0.00	32.52 0.26 0.00	28.42 0.20 0.00
INDECK___CORINTH 23802	27.69 1.54 0.00	25.88 1.37 0.00	24.51 1.28 0.00	24.69 1.24 0.00	26.12 1.36 0.00	28.99 1.54 0.00	35.97 2.10 0.00	40.55 2.30 0.00	32.71 1.62 0.00	29.56 1.41 0.00	27.78 1.30 0.00	27.63 1.27 0.00	28.65 1.67 0.00	29.51 1.72 0.00	30.80 1.85 0.00	31.51 0.83 0.00	35.30 1.03 0.00	40.55 1.45 0.00	44.21 1.58 0.00	46.92 1.76 0.00	43.80 1.56 0.00	36.15 1.25 0.00	33.49 1.23 0.00	29.98 1.75 0.00
INDECK___ILION 23567	25.86 -0.29 0.00	24.27 -0.25 0.00	23.00 -0.23 0.00	23.19 -0.26 0.00	24.51 -0.25 0.00	27.20 -0.25 0.00	33.47 -0.41 0.00	37.87 -0.38 0.00	30.69 -0.40 0.00	27.76 -0.39 0.00	26.11 -0.37 0.00	26.05 -0.32 0.00	26.62 -0.35 0.00	27.42 -0.36 0.00	28.57 -0.38 0.00	30.32 -0.37 0.00	33.86 -0.41 0.00	38.60 -0.51 0.00	42.08 -0.55 0.00	44.49 -0.68 0.00	41.52 -0.72 0.00	34.23 -0.66 0.00	31.59 -0.68 0.00	27.58 -0.65 0.00
INDECK___OLEAN 23982	24.69 -1.46 0.00	22.97 -1.54 0.00	21.91 -1.32 0.00	22.32 -1.13 0.00	23.32 -1.44 0.00	26.22 -1.23 0.00	31.84 -2.03 0.00	36.84 -1.41 0.00	30.22 -0.87 0.00	26.97 -1.18 0.00	25.69 -0.79 0.00	25.44 -0.92 0.00	25.52 -1.46 0.00	26.45 -1.33 0.00	27.24 -1.71 0.00	28.81 -1.87 0.00	32.28 -1.99 0.00	36.72 -2.39 0.00	40.46 -2.17 0.00	42.68 -2.48 0.00	39.95 -2.28 0.00	33.12 -1.78 0.00	30.72 -1.55 0.00	27.07 -1.16 0.00
INDECK___OSWEGO 23783	25.50 -0.65 0.00	23.90 -0.61 0.00	22.65 -0.58 0.00	22.89 -0.56 0.00	24.14 -0.62 0.00	26.79 -0.66 0.00	32.99 -0.88 0.00	37.33 -0.92 0.00	30.38 -0.71 0.00	27.45 -0.70 0.00	25.82 -0.66 0.00	25.71 -0.66 0.00	26.27 -0.70 0.00	27.12 -0.67 0.00	28.22 -0.72 0.00	29.83 -0.86 0.00	33.25 -1.03 0.00	37.89 -1.21 0.00	41.40 -1.24 0.00	43.81 -1.35 0.00	41.01 -1.23 0.00	33.88 -1.01 0.00	31.40 -0.87 0.00	27.60 -0.62 0.00
INDECK___YERKES 23781	24.11 -2.04 0.00	22.45 -2.06 0.00	21.33 -1.90 0.00	21.90 -1.55 0.00	22.90 -1.86 0.00	25.67 -1.78 0.00	31.10 -2.78 0.00	36.34 -1.91 0.00	29.76 -1.34 0.00	26.63 -1.52 0.00	25.40 -1.09 0.00	25.21 -1.16 0.00	25.30 -1.67 0.00	26.31 -1.47 0.00	26.97 -1.97 0.00	28.51 -2.18 0.00	31.94 -2.33 0.00	36.10 -3.01 0.00	39.69 -2.94 0.00	41.77 -3.39 0.00	39.28 -2.96 0.00	32.63 -2.27 0.00	30.46 -1.81 0.00	26.64 -1.58 0.00
INDIAN POINT_GT_1 24139	27.48 1.33 0.00	25.79 1.27 0.00	24.44 1.21 0.00	24.60 1.15 0.00	25.97 1.21 0.00	28.74 1.29 0.00	35.53 1.66 0.00	40.20 1.95 0.00	32.87 1.77 0.00	29.84 1.69 0.00	27.99 1.51 0.00	27.87 1.50 0.00	28.62 1.65 0.00	29.39 1.61 0.00	30.71 1.77 0.00	32.77 2.09 0.00	36.71 2.43 0.00	41.96 2.85 0.00	45.58 2.94 0.00	48.28 3.12 0.00	45.11 2.87 0.00	37.34 2.44 0.00	34.36 2.10 0.00	29.81 1.58 0.00
INDIAN POINT_GT_2 23659	27.48 1.33 0.00	25.79 1.27 0.00	24.44 1.21 0.00	24.60 1.15 0.00	25.97 1.21 0.00	28.74 1.29 0.00	35.53 1.66 0.00	40.20 1.95 0.00	32.87 1.77 0.00	29.84 1.69 0.00	27.99 1.51 0.00	27.87 1.50 0.00	28.62 1.65 0.00	29.39 1.61 0.00	30.71 1.77 0.00	32.77 2.09 0.00	36.71 2.43 0.00	41.96 2.85 0.00	45.58 2.94 0.00	48.28 3.12 0.00	45.11 2.87 0.00	37.34 2.44 0.00	34.36 2.10 0.00	29.81 1.58 0.00
INDIAN POINT_GT_3 24019	27.48 1.33 0.00	25.79 1.27 0.00	24.44 1.21 0.00	24.60 1.15 0.00	25.97 1.21 0.00	28.74 1.29 0.00	35.53 1.66 0.00	40.20 1.95 0.00	32.87 1.77 0.00	29.84 1.69 0.00	27.99 1.51 0.00	27.87 1.50 0.00	28.62 1.65 0.00	29.39 1.61 0.00	30.71 1.77 0.00	32.77 2.09 0.00	36.71 2.43 0.00	41.96 2.85 0.00	45.58 2.94 0.00	48.28 3.12 0.00	45.11 2.87 0.00	37.34 2.44 0.00	34.36 2.10 0.00	29.81 1.58 0.00
INDIAN POINT___2 23530	27.46 1.31 0.00	25.71 1.20 0.00	24.46 1.23 0.00	24.60 1.15 0.00	25.95 1.19 0.00	28.71 1.26 0.00	35.63 1.76 0.00	40.20 1.95 0.00	32.86 1.77 0.00	29.84 1.69 0.00	27.99 1.51 0.00	27.90 1.53 0.00	28.59 1.62 0.00	29.37 1.58 0.00	30.71 1.77 0.00	32.74 2.06 0.00	36.67 2.40 0.00	41.92 2.82 0.00	45.49 2.86 0.00	48.24 3.07 0.00	45.06 2.83 0.00	37.30 2.41 0.00	34.30 2.03 0.00	29.80 1.58 0.00
INDIAN POINT___3 23531	27.51 1.36 0.00	25.81 1.30 0.00	24.41 1.18 0.00	24.60 1.15 0.00	25.95 1.19 0.00	28.71 1.26 0.00	35.53 1.66 0.00	40.20 1.95 0.00	32.83 1.74 0.00	29.84 1.69 0.00	27.99 1.51 0.00	27.87 1.50 0.00	28.59 1.62 0.00	29.37 1.58 0.00	30.68 1.74 0.00	32.74 2.06 0.00	36.67 2.40 0.00	41.92 2.82 0.00	45.53 2.90 0.00	48.23 3.07 0.00	45.06 2.83 0.00	37.30 2.41 0.00	34.33 2.07 0.00	29.81 1.58 0.00
INGHAM_C_115KV_TB7 356103	25.23 -0.92 0.00	23.70 -0.81 0.00	22.46 -0.77 0.00	22.67 -0.77 0.00	23.96 -0.79 0.00	26.60 -0.85 0.00	32.62 -1.25 0.00	36.88 -1.38 0.00	29.82 -1.27 0.00	26.97 -1.18 0.00	25.40 -1.09 0.00	25.34 -1.03 0.00	25.92 -1.05 0.00	26.70 -1.08 0.00	27.81 -1.13 0.00	29.46 -1.23 0.00	32.94 -1.34 0.00	37.46 -1.64 0.00	40.84 -1.79 0.00	43.09 -2.08 0.00	40.08 -2.15 0.00	33.04 -1.85 0.00	30.43 -1.84 0.00	26.53 -1.69 0.00
IP CORINTH___1 23988	27.67 1.52 0.00	25.88 1.37 0.00	24.48 1.25 0.00	24.69 1.24 0.00	26.12 1.36 0.00	28.99 1.54 0.00	35.94 2.07 0.00	40.55 2.30 0.00	32.71 1.62 0.00	29.56 1.41 0.00	27.75 1.27 0.00	27.63 1.27 0.00	28.65 1.67 0.00	29.48 1.69 0.00	30.77 1.82 0.00	31.67 0.98 0.00	35.47 1.20 0.00	40.75 1.64 0.00	44.47 1.83 0.00	47.19 2.03 0.00	44.01 1.77 0.00	36.32 1.43 0.00	33.65 1.39 0.00	29.97 1.75 0.00



IP__TICONDEROGA 23804	28.56 2.41 0.00	26.69 2.18 0.00	25.25 2.02 0.00	25.46 2.02 0.00	26.99 2.23 0.00	29.95 2.50 0.00	37.16 3.29 0.00	41.89 3.63 0.00	33.61 2.52 0.00	30.29 2.14 0.00	28.44 1.96 0.00	28.29 1.92 0.00	29.32 2.35 0.00	30.17 2.39 0.00	31.55 2.60 0.00	32.68 1.99 0.00	36.64 2.36 0.00	42.31 3.21 0.00	46.26 3.62 0.00	49.09 3.93 0.00	45.74 3.51 0.00	37.72 2.83 0.00	34.91 2.65 0.00	30.96 2.74 0.00
ISLIP_RES_REC 323679	28.53 2.38 0.00	26.52 2.01 0.00	25.20 1.97 0.00	25.37 1.92 0.00	26.54 1.78 0.00	29.40 1.95 0.00	37.09 3.22 0.00	41.73 3.48 0.00	33.39 2.30 0.00	30.37 2.22 0.00	28.55 2.07 0.00	28.24 1.87 0.00	29.07 2.08 -0.01	29.87 2.06 -0.03	31.22 2.26 -0.01	33.29 2.58 -0.03	37.38 3.09 -0.02	43.50 3.83 -0.56	48.77 4.35 -1.78	51.19 4.74 -1.29	48.57 4.47 -1.86	39.79 3.87 -1.03	36.23 3.49 -0.48	30.48 2.26 0.00
JAMAICA__27_KV_LOAD 355505	27.85 1.70 0.00	26.15 1.64 0.00	24.69 1.46 0.00	24.86 1.41 0.00	26.24 1.49 0.00	28.99 1.54 0.00	35.97 2.10 0.00	40.59 2.33 0.00	33.36 2.27 0.00	30.37 2.22 0.00	28.31 1.83 0.00	28.21 1.85 0.00	29.00 2.02 0.00	29.78 2.00 0.00	31.14 2.20 0.00	33.29 2.61 0.00	37.15 2.88 0.00	42.47 3.36 0.00	46.00 3.37 0.00	48.69 3.52 0.00	45.53 3.29 0.00	37.62 2.72 0.00	34.69 2.42 0.00	30.17 1.95 0.00
JANIS__SOLAR 323808	26.88 0.73 0.00	25.17 0.66 0.00	23.86 0.63 0.00	24.15 0.70 0.00	25.48 0.72 0.00	28.38 0.93 0.00	35.02 1.15 0.00	39.78 1.53 0.00	32.03 0.93 0.00	28.60 0.45 0.00	26.80 0.32 0.00	26.71 0.34 0.00	27.19 0.21 0.00	28.12 0.33 0.00	29.26 0.32 0.00	31.15 0.46 0.00	35.09 0.82 0.00	40.08 0.98 0.00	44.21 1.58 0.00	46.83 1.67 0.00	43.75 1.52 0.00	36.04 1.15 0.00	33.27 1.00 0.00	29.07 0.85 0.00
JARVIS____ 23743	26.28 0.13 0.00	24.61 0.10 0.00	23.32 0.09 0.00	23.52 0.07 0.00	24.86 0.10 0.00	27.56 0.11 0.00	34.01 0.14 0.00	38.45 0.19 0.00	31.22 0.12 0.00	28.23 0.08 0.00	26.56 0.08 0.00	26.47 0.11 0.00	27.08 0.11 0.00	27.87 0.08 0.00	29.06 0.12 0.00	30.81 0.12 0.00	34.45 0.17 0.00	39.30 0.20 0.00	42.89 0.26 0.00	45.39 0.23 0.00	42.45 0.21 0.00	35.03 0.14 0.00	32.40 0.13 0.00	28.31 0.08 0.00
JENNISON__1 23625	27.04 0.89 0.00	25.30 0.78 0.00	24.00 0.77 0.00	24.25 0.80 0.00	25.60 0.84 0.00	28.52 1.07 0.00	35.23 1.35 0.00	40.05 1.80 0.00	32.43 1.34 0.00	29.08 0.93 0.00	27.36 0.87 0.00	27.26 0.90 0.00	27.76 0.78 0.00	28.64 0.86 0.00	29.84 0.90 0.00	31.70 1.01 0.00	35.64 1.37 0.00	40.55 1.45 0.00	44.55 1.92 0.00	47.06 1.90 0.00	43.92 1.69 0.00	36.15 1.26 0.00	33.33 1.06 0.00	29.13 0.90 0.00
JENNISON__2 23626	27.04 0.89 0.00	25.30 0.78 0.00	24.00 0.77 0.00	24.25 0.80 0.00	25.60 0.84 0.00	28.52 1.07 0.00	35.23 1.35 0.00	40.05 1.80 0.00	32.43 1.34 0.00	29.08 0.93 0.00	27.36 0.87 0.00	27.26 0.90 0.00	27.76 0.78 0.00	28.64 0.86 0.00	29.84 0.90 0.00	31.70 1.01 0.00	35.64 1.37 0.00	40.55 1.45 0.00	44.55 1.92 0.00	47.06 1.90 0.00	43.92 1.69 0.00	36.15 1.26 0.00	33.33 1.06 0.00	29.13 0.90 0.00
JERICHO_RISE_WT_PWR 323719	25.52 -0.63 0.00	24.12 -0.39 0.00	22.95 -0.28 0.00	23.24 -0.21 0.00	24.68 -0.07 0.00	27.34 -0.11 0.00	33.67 -0.20 0.00	37.75 -0.50 0.00	30.56 -0.53 0.00	27.95 -0.20 0.00	26.30 -0.18 0.00	26.13 -0.24 0.00	26.79 -0.19 0.00	27.53 -0.25 0.00	28.63 -0.32 0.00	30.23 -0.46 0.00	33.59 -0.69 0.00	38.21 -0.90 0.00	41.49 -1.15 0.00	43.85 -1.31 0.00	40.97 -1.27 0.00	33.74 -1.15 0.00	31.20 -1.06 0.00	27.21 -1.01 0.00
KATONAH__115KV_46KV_TB4 355592	27.67 1.52 0.00	25.96 1.45 0.00	24.53 1.30 0.00	24.69 1.24 0.00	26.07 1.31 0.00	28.85 1.40 0.00	35.67 1.80 0.00	40.40 2.14 0.00	32.99 1.90 0.00	29.92 1.77 0.00	28.10 1.62 0.00	27.98 1.61 0.00	28.70 1.73 0.00	29.48 1.69 0.00	30.80 1.85 0.00	32.92 2.24 0.00	36.91 2.64 0.00	42.16 3.05 0.00	45.79 3.15 0.00	48.46 3.30 0.00	45.32 3.08 0.00	37.58 2.69 0.00	34.56 2.29 0.00	29.92 1.69 0.00
KCE_NY_1 323755	27.56 1.41 0.00	25.79 1.27 0.00	24.41 1.18 0.00	24.60 1.15 0.00	26.02 1.26 0.00	28.82 1.37 0.00	35.73 1.86 0.00	40.28 2.03 0.00	32.55 1.46 0.00	29.44 1.30 0.00	27.68 1.19 0.00	27.53 1.16 0.00	28.38 1.40 0.00	29.23 1.44 0.00	30.50 1.56 0.00	32.03 1.35 0.00	35.88 1.61 0.00	41.18 2.07 0.00	44.93 2.30 0.00	47.69 2.53 0.00	44.56 2.32 0.00	36.81 1.92 0.00	34.01 1.74 0.00	29.80 1.58 0.00
KCE_NY_6_ESR 323823	24.32 -1.83 0.00	22.62 -1.89 0.00	21.51 -1.72 0.00	22.04 -1.41 0.00	23.07 -1.68 0.00	25.86 -1.59 0.00	31.37 -2.51 0.00	36.53 -1.72 0.00	29.94 -1.15 0.00	26.77 -1.38 0.00	25.50 -0.98 0.00	25.31 -1.06 0.00	25.44 -1.54 0.00	26.42 -1.36 0.00	27.12 -1.82 0.00	28.66 -2.03 0.00	32.11 -2.16 0.00	36.33 -2.78 0.00	39.99 -2.64 0.00	42.09 -3.07 0.00	39.49 -2.74 0.00	32.80 -2.09 0.00	30.55 -1.71 0.00	26.79 -1.44 0.00
KEDC_PORT_JEFF_GT2 24210	28.42 2.27 0.00	26.45 1.94 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.44 1.68 0.00	29.32 1.87 0.00	36.92 3.05 0.00	41.58 3.33 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.47 1.99 0.00	28.16 1.79 0.00	29.04 2.05 -0.01	29.84 2.03 -0.03	31.18 2.23 -0.01	33.25 2.55 -0.02	37.31 3.02 -0.02	43.34 3.72 -0.51	48.44 4.18 -1.63	50.90 4.56 -1.17	48.25 4.31 -1.70	39.57 3.74 -0.94	36.12 3.42 -0.44	30.37 2.14 0.00
KEDC_PORT_JEFF_GT3 24211	28.42 2.27 0.00	26.45 1.94 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.44 1.68 0.00	29.32 1.87 0.00	36.92 3.05 0.00	41.58 3.33 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.47 1.99 0.00	28.16 1.79 0.00	29.04 2.05 -0.01	29.84 2.03 -0.03	31.18 2.23 -0.01	33.25 2.55 -0.02	37.31 3.02 -0.02	43.34 3.72 -0.51	48.44 4.18 -1.63	50.90 4.56 -1.17	48.25 4.31 -1.70	39.57 3.74 -0.94	36.12 3.42 -0.44	30.37 2.14 0.00
KEDC_GLWD_GT4 24219	28.03 1.88 0.00	26.20 1.69 0.00	24.79 1.56 0.00	24.95 1.50 0.00	26.27 1.51 0.00	29.07 1.62 0.00	36.28 2.41 0.00	40.89 2.64 0.00	33.30 2.21 0.00	30.29 2.14 -0.01	28.53 2.04 -0.01	28.35 1.98 -0.01	29.25 2.18 -0.09	30.13 2.17 -0.18	31.41 2.37 -0.09	33.51 2.67 -0.16	37.47 3.05 -0.15	45.26 3.40 -2.75	54.69 3.45 -8.60	55.02 3.66 -6.20	54.65 3.42 -8.99	42.74 2.89 -4.95	37.30 2.71 -2.32	30.21 1.98 -0.01
KEDC_GLWD_GT5 24220	28.03 1.88 0.00	26.20 1.69 0.00	24.79 1.56 0.00	24.95 1.50 0.00	26.27 1.51 0.00	29.07 1.62 0.00	36.28 2.41 0.00	40.89 2.64 0.00	33.30 2.21 0.00	30.29 2.14 -0.01	28.53 2.04 -0.01	28.35 1.98 -0.01	29.25 2.18 -0.09	30.13 2.17 -0.18	31.41 2.37 -0.09	33.51 2.67 -0.16	37.47 3.05 -0.15	45.26 3.40 -2.75	54.69 3.45 -8.60	55.02 3.66 -6.20	54.65 3.42 -8.99	42.74 2.89 -4.95	37.30 2.71 -2.32	30.21 1.98 -0.01



KENSICO____ 23655	27.64 1.49 0.00	25.93 1.42 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.80 1.35 0.00	35.63 1.76 0.00	40.32 2.07 0.00	32.96 1.87 0.00	29.95 1.80 0.00	28.10 1.62 0.00	27.98 1.61 0.00	28.70 1.73 0.00	29.48 1.69 0.00	30.80 1.85 0.00	32.89 2.21 0.00	36.84 2.57 0.00	42.08 2.97 0.00	45.70 3.07 0.00	48.41 3.25 0.00	45.23 3.00 0.00	37.41 2.51 0.00	34.43 2.16 0.00	29.89 1.67 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	27.51 1.36 0.00	25.76 1.25 0.00	24.39 1.16 0.00	24.55 1.10 0.00	25.92 1.16 0.00	28.74 1.29 0.00	35.50 1.63 0.00	40.17 1.91 0.00	32.71 1.62 0.00	29.56 1.41 0.00	27.73 1.24 0.00	27.66 1.29 0.00	28.35 1.38 0.00	29.12 1.33 0.00	30.45 1.51 0.00	32.50 1.81 0.00	36.47 2.19 0.00	41.77 2.66 0.00	45.41 2.77 0.00	48.19 3.03 0.00	45.06 2.83 0.00	37.30 2.41 0.00	34.36 2.10 0.00	29.83 1.61 0.00
KIAC_JFK_GT1 23816	27.72 1.57 0.00	26.03 1.52 0.00	24.58 1.35 0.00	24.74 1.29 0.00	26.12 1.36 0.00	28.85 1.40 0.00	35.77 1.90 0.00	40.24 1.99 0.00	33.21 2.11 0.00	30.20 2.05 0.00	28.18 1.69 0.00	28.08 1.71 0.00	28.86 1.89 0.00	29.64 1.86 0.00	31.00 2.05 0.00	33.11 2.42 0.00	36.84 2.57 0.00	42.08 2.97 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.11 2.87 0.00	37.27 2.37 0.00	34.52 2.26 0.00	30.03 1.81 0.00
KIAC_JFK_GT2 23817	27.72 1.57 0.00	26.03 1.52 0.00	24.58 1.35 0.00	24.74 1.29 0.00	26.12 1.36 0.00	28.85 1.40 0.00	35.77 1.90 0.00	40.24 1.99 0.00	33.21 2.11 0.00	30.20 2.05 0.00	28.18 1.69 0.00	28.08 1.71 0.00	28.86 1.89 0.00	29.64 1.86 0.00	31.00 2.05 0.00	33.11 2.42 0.00	36.84 2.57 0.00	42.08 2.97 0.00	45.58 2.94 0.00	48.23 3.07 0.00	45.11 2.87 0.00	37.27 2.37 0.00	34.52 2.26 0.00	30.03 1.81 0.00
KIAC_JFK____ 323774	27.77 1.62 0.00	26.03 1.52 0.00	24.62 1.39 0.00	24.76 1.31 0.00	26.12 1.36 0.00	28.85 1.40 0.00	35.94 2.07 0.00	40.24 1.99 0.00	33.21 2.12 0.00	30.20 2.05 0.00	28.20 1.72 0.00	28.11 1.74 0.00	28.86 1.89 0.00	29.64 1.86 0.00	31.03 2.09 0.00	33.14 2.46 0.00	36.84 2.57 0.00	42.08 2.97 0.00	45.53 2.90 0.00	48.24 3.07 0.00	45.11 2.87 0.00	37.27 2.37 0.00	34.49 2.22 0.00	30.03 1.81 0.00
KINTIGH____ 23543	24.37 -1.78 0.00	22.50 -2.01 0.00	21.53 -1.70 0.00	21.95 -1.50 0.00	22.97 -1.78 0.00	25.69 -1.76 0.00	31.77 -2.10 0.00	36.30 -1.95 0.00	29.73 -1.37 0.00	26.69 -1.46 0.00	25.45 -1.03 0.00	25.29 -1.08 0.00	25.46 -1.51 0.00	26.42 -1.36 0.00	27.44 -1.51 0.00	28.69 -1.99 0.00	32.18 -2.09 0.00	36.41 -2.70 0.00	39.86 -2.77 0.00	42.14 -3.03 0.00	39.57 -2.66 0.00	32.84 -2.06 0.00	30.52 -1.74 0.00	26.81 -1.41 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	25.68 -0.47 0.00	24.29 -0.22 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.93 0.17 0.00	27.64 0.19 0.00	34.08 0.20 0.00	38.14 -0.11 0.00	30.84 -0.25 0.00	28.43 0.28 0.00	26.75 0.26 0.00	26.58 0.21 0.00	27.24 0.27 0.00	28.00 0.22 0.00	29.09 0.14 0.00	30.75 0.06 0.00	34.20 -0.07 0.00	38.91 -0.20 0.00	42.25 -0.38 0.00	44.35 -0.81 0.00	41.47 -0.76 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.49 -0.73 0.00
LACHUTE__HYDRO 323717	28.58 2.43 0.00	26.69 2.18 0.00	25.25 2.02 0.00	25.47 2.02 0.00	26.99 2.23 0.00	29.95 2.50 0.00	37.16 3.28 0.00	41.89 3.64 0.00	33.61 2.52 0.00	30.29 2.14 0.00	28.44 1.96 0.00	28.29 1.92 0.00	29.32 2.35 0.00	30.17 2.39 0.00	31.58 2.63 0.00	32.68 1.99 0.00	36.64 2.36 0.00	42.31 3.21 0.00	46.26 3.62 0.00	49.09 3.93 0.00	45.74 3.50 0.00	37.72 2.83 0.00	34.91 2.65 0.00	30.96 2.74 0.00
LAWRNCV_115KV_TB1 80681	25.42 -0.73 0.00	23.95 -0.56 0.00	22.72 -0.51 0.00	22.96 -0.49 0.00	24.39 -0.37 0.00	27.01 -0.44 0.00	32.99 -0.88 0.00	37.03 -1.22 0.00	29.91 -1.18 0.00	27.16 -0.99 0.00	25.53 -0.95 0.00	25.42 -0.95 0.00	26.06 -0.92 0.00	26.89 -0.89 0.00	28.02 -0.93 0.00	29.61 -1.07 0.00	32.97 -1.30 0.00	37.54 -1.56 0.00	40.93 -1.71 0.00	43.31 -1.85 0.00	40.55 -1.69 0.00	33.36 -1.54 0.00	30.88 -1.39 0.00	26.98 -1.24 0.00
LEDERLE____ 23769	27.56 1.41 0.00	25.84 1.32 0.00	24.48 1.25 0.00	24.64 1.20 0.00	26.02 1.26 0.00	28.88 1.43 0.00	35.70 1.83 0.00	40.43 2.18 0.00	33.02 1.93 0.00	29.95 1.80 0.00	28.10 1.62 0.00	28.00 1.63 0.00	28.73 1.75 0.00	29.48 1.69 0.00	30.85 1.91 0.00	32.92 2.24 0.00	36.77 2.50 0.00	42.08 2.97 0.00	45.70 3.07 0.00	48.41 3.25 0.00	45.28 3.04 0.00	37.44 2.55 0.00	34.46 2.19 0.00	29.92 1.69 0.00
LIGHTHSE_115KV_TB6 355974	25.60 -0.55 0.00	23.97 -0.54 0.00	22.72 -0.51 0.00	22.93 -0.52 0.00	24.21 -0.54 0.00	26.90 -0.55 0.00	33.13 -0.75 0.00	37.60 -0.65 0.00	30.50 -0.59 0.00	27.47 -0.68 0.00	25.85 -0.64 0.00	25.73 -0.63 0.00	26.30 -0.67 0.00	27.14 -0.64 0.00	28.31 -0.64 0.00	29.95 -0.74 0.00	33.35 -0.93 0.00	37.93 -1.17 0.00	41.53 -1.11 0.00	43.99 -1.17 0.00	41.18 -1.06 0.00	33.95 -0.94 0.00	31.46 -0.81 0.00	27.60 -0.62 0.00
LINDEN COGEN____ 23786	27.69 1.54 0.00	25.96 1.45 0.00	24.55 1.32 0.00	24.69 1.24 0.00	26.04 1.29 0.00	28.80 1.34 0.00	35.84 1.96 0.00	40.36 2.10 0.00	33.11 2.02 0.00	30.15 2.00 0.00	28.23 1.75 0.00	28.13 1.77 0.00	28.89 1.92 0.00	29.67 1.89 0.00	31.05 2.11 0.00	33.14 2.46 0.00	37.05 2.77 0.00	42.31 3.21 0.00	45.71 3.07 0.00	48.42 3.25 0.00	45.23 3.00 0.00	37.44 2.55 0.00	34.39 2.13 0.00	29.92 1.69 0.00
LINDHRST_69_KV_BK1 356055	28.29 2.14 0.00	26.52 2.01 0.00	24.95 1.72 0.00	25.14 1.69 0.00	26.54 1.78 0.00	29.40 1.95 0.00	36.75 2.88 0.00	41.47 3.21 0.00	33.46 2.36 0.00	30.40 2.25 0.00	28.66 2.17 0.00	28.35 1.98 0.00	29.33 2.32 -0.04	30.11 2.25 -0.08	31.53 2.55 -0.04	33.55 2.79 -0.07	37.55 3.22 -0.06	44.14 3.87 -1.16	50.45 4.18 -3.64	52.21 4.43 -2.62	50.18 4.14 -3.81	40.55 3.56 -2.10	36.70 3.36 -1.07	30.54 2.31 0.00
LIPA_MISC_IPP 23656	28.03 1.88 0.00	26.33 1.81 0.00	24.79 1.56 0.00	24.97 1.52 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.65 2.78 0.00	41.35 3.10 0.00	32.87 1.77 0.00	29.81 1.66 0.00	27.99 1.51 0.00	27.68 1.32 0.00	28.71 1.73 -0.01	29.50 1.69 -0.03	30.78 1.82 -0.01	32.89 2.18 -0.02	36.90 2.60 -0.02	42.88 3.28 -0.49	48.32 4.14 -1.55	50.52 4.25 -1.12	47.87 4.01 -1.62	39.38 3.59 -0.89	36.10 3.42 -0.42	30.11 1.89 0.00
LISF__SOLAR 323691	28.35 2.20 0.00	26.35 1.84 0.00	25.09 1.86 0.00	25.25 1.81 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.89 3.01 0.00	41.50 3.25 0.00	32.99 1.90 0.00	29.95 1.80 0.00	28.15 1.67 0.00	27.81 1.45 0.00	28.74 1.75 -0.01	29.53 1.72 -0.03	30.83 1.88 -0.01	32.89 2.18 -0.02	36.93 2.64 -0.02	42.97 3.36 -0.50	48.18 3.97 -1.58	50.68 4.38 -1.14	48.06 4.18 -1.65	39.47 3.66 -0.91	36.01 3.32 -0.42	30.17 1.95 0.00



LITTLE FALLS___HYD 24013	25.23 -0.92 0.00	23.70 -0.81 0.00	22.46 -0.77 0.00	22.67 -0.77 0.00	23.96 -0.79 0.00	26.60 -0.85 0.00	32.62 -1.25 0.00	36.88 -1.38 0.00	29.82 -1.27 0.00	26.97 -1.18 0.00	25.40 -1.09 0.00	25.34 -1.03 0.00	25.92 -1.05 0.00	26.70 -1.08 0.00	27.81 -1.13 0.00	29.46 -1.23 0.00	32.94 -1.34 0.00	37.46 -1.64 0.00	40.84 -1.79 0.00	43.09 -2.08 0.00	40.08 -2.15 0.00	33.04 -1.85 0.00	30.43 -1.84 0.00	26.53 -1.69 0.00
LITTLRIV_115KV_TB1 356100	25.68 -0.47 0.00	24.17 -0.34 0.00	22.93 -0.30 0.00	23.17 -0.28 0.00	24.63 -0.12 0.00	27.29 -0.16 0.00	33.30 -0.58 0.00	37.37 -0.88 0.00	30.10 -0.99 0.00	27.28 -0.87 0.00	25.61 -0.87 0.00	25.50 -0.87 0.00	26.14 -0.84 0.00	26.98 -0.81 0.00	28.10 -0.84 0.00	29.76 -0.92 0.00	33.21 -1.06 0.00	37.85 -1.25 0.00	41.36 -1.28 0.00	43.81 -1.35 0.00	41.01 -1.22 0.00	33.71 -1.19 0.00	31.20 -1.06 0.00	27.24 -0.99 0.00
LI_NEWBRDGE___DRP 323616	27.90 1.75 0.00	26.15 1.64 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.99 1.54 0.00	36.14 2.27 0.00	40.82 2.56 0.00	33.02 1.93 0.00	30.03 1.89 0.00	28.36 1.88 0.01	28.07 1.71 0.01	29.07 2.10 0.00	29.87 2.08 0.00	31.20 2.26 0.00	33.26 2.58 0.00	37.15 2.88 0.00	42.59 3.36 -0.12	46.44 3.41 -0.39	49.06 3.61 -0.28	46.02 3.38 -0.41	38.09 2.97 -0.23	35.23 2.87 -0.10	30.11 1.89 0.00
LOCKPORT_115KV_TB60_63_64 80432	24.11 -2.04 0.00	22.21 -2.30 0.00	21.28 -1.95 0.00	21.71 -1.74 0.00	22.70 -2.05 0.00	25.42 -2.03 0.00	31.50 -2.37 0.00	35.96 -2.30 0.00	29.45 -1.65 0.00	26.38 -1.77 0.00	25.21 -1.27 0.00	25.05 -1.32 0.00	25.11 -1.86 0.00	26.09 -1.69 0.00	27.09 -1.85 0.00	28.26 -2.42 0.00	31.67 -2.60 0.00	35.78 -3.32 0.00	39.22 -3.41 0.00	41.46 -3.70 0.00	38.94 -3.29 0.00	32.35 -2.55 0.00	30.10 -2.16 0.00	26.48 -1.75 0.00
LOCKPORT___CC1 323769	23.87 -2.28 0.00	22.21 -2.31 0.00	21.12 -2.11 0.00	21.69 -1.76 0.00	22.70 -2.05 0.00	25.45 -2.00 0.00	30.76 -3.12 0.00	36.00 -2.26 0.00	29.44 -1.65 0.00	26.38 -1.77 0.00	25.10 -1.38 0.00	24.94 -1.42 0.00	25.09 -1.89 0.00	26.06 -1.72 0.00	26.71 -2.23 0.00	28.26 -2.42 0.00	31.70 -2.57 0.00	35.78 -3.32 0.00	39.35 -3.28 0.00	41.46 -3.70 0.00	38.94 -3.29 0.00	32.38 -2.51 0.00	30.23 -2.03 0.00	26.48 -1.75 0.00
LOCKPORT___CC2 323770	23.87 -2.28 0.00	22.21 -2.31 0.00	21.12 -2.11 0.00	21.69 -1.76 0.00	22.70 -2.05 0.00	25.45 -2.00 0.00	30.76 -3.12 0.00	36.00 -2.26 0.00	29.44 -1.65 0.00	26.38 -1.77 0.00	25.10 -1.38 0.00	24.94 -1.42 0.00	25.09 -1.89 0.00	26.06 -1.72 0.00	26.71 -2.23 0.00	28.26 -2.42 0.00	31.70 -2.57 0.00	35.78 -3.32 0.00	39.35 -3.28 0.00	41.46 -3.70 0.00	38.94 -3.29 0.00	32.38 -2.51 0.00	30.23 -2.03 0.00	26.48 -1.75 0.00
LOCKPORT___CC3 323771	23.87 -2.28 0.00	22.21 -2.31 0.00	21.12 -2.11 0.00	21.69 -1.76 0.00	22.70 -2.05 0.00	25.45 -2.00 0.00	30.76 -3.12 0.00	36.00 -2.26 0.00	29.44 -1.65 0.00	26.38 -1.77 0.00	25.10 -1.38 0.00	24.94 -1.42 0.00	25.09 -1.89 0.00	26.06 -1.72 0.00	26.71 -2.23 0.00	28.26 -2.42 0.00	31.70 -2.57 0.00	35.78 -3.32 0.00	39.35 -3.28 0.00	41.46 -3.70 0.00	38.94 -3.29 0.00	32.38 -2.51 0.00	30.23 -2.03 0.00	26.48 -1.75 0.00
LONG_LAKE_PHOENIX 24014	25.70 -0.44 0.00	24.05 -0.47 0.00	22.81 -0.42 0.00	23.05 -0.40 0.00	24.29 -0.47 0.00	26.96 -0.49 0.00	33.30 -0.58 0.00	37.64 -0.61 0.00	30.60 -0.50 0.00	27.64 -0.51 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.49 -0.49 0.00	27.34 -0.44 0.00	28.48 -0.46 0.00	30.10 -0.58 0.00	33.55 -0.72 0.00	38.21 -0.90 0.00	41.70 -0.94 0.00	44.21 -0.95 0.00	41.39 -0.84 0.00	34.20 -0.70 0.00	31.68 -0.58 0.00	27.83 -0.40 0.00
LOVETT___3 23632	27.48 1.33 0.00	25.79 1.27 0.00	24.41 1.18 0.00	24.57 1.13 0.00	25.92 1.16 0.00	28.71 1.26 0.00	35.50 1.63 0.00	40.17 1.91 0.00	32.83 1.74 0.00	29.81 1.66 0.00	27.97 1.48 0.00	27.84 1.48 0.00	28.57 1.59 0.00	29.34 1.56 0.00	30.65 1.71 0.00	32.71 2.03 0.00	36.64 2.36 0.00	41.88 2.78 0.00	45.49 2.86 0.00	48.19 3.03 0.00	45.02 2.79 0.00	37.27 2.37 0.00	34.30 2.03 0.00	29.78 1.55 0.00
LOVETT___4 23642	27.48 1.33 0.00	25.79 1.27 0.00	24.41 1.18 0.00	24.57 1.13 0.00	25.92 1.16 0.00	28.71 1.26 0.00	35.50 1.63 0.00	40.17 1.91 0.00	32.83 1.74 0.00	29.81 1.66 0.00	27.97 1.48 0.00	27.84 1.48 0.00	28.57 1.59 0.00	29.34 1.56 0.00	30.65 1.71 0.00	32.71 2.03 0.00	36.64 2.36 0.00	41.88 2.78 0.00	45.49 2.86 0.00	48.19 3.03 0.00	45.02 2.79 0.00	37.27 2.37 0.00	34.30 2.03 0.00	29.78 1.55 0.00
LOVETT___5 23593	27.48 1.33 0.00	25.79 1.27 0.00	24.41 1.18 0.00	24.57 1.13 0.00	25.92 1.16 0.00	28.71 1.26 0.00	35.50 1.63 0.00	40.17 1.91 0.00	32.83 1.74 0.00	29.81 1.66 0.00	27.97 1.48 0.00	27.84 1.48 0.00	28.57 1.59 0.00	29.34 1.56 0.00	30.65 1.71 0.00	32.71 2.03 0.00	36.64 2.36 0.00	41.88 2.78 0.00	45.49 2.86 0.00	48.19 3.03 0.00	45.02 2.79 0.00	37.27 2.37 0.00	34.30 2.03 0.00	29.78 1.55 0.00
LOWER RAQUET___HYD 24057	25.31 -0.84 0.00	23.83 -0.69 0.00	22.60 -0.63 0.00	22.86 -0.59 0.00	24.29 -0.47 0.00	26.90 -0.55 0.00	32.82 -1.05 0.00	36.80 -1.45 0.00	29.73 -1.37 0.00	26.97 -1.18 0.00	25.37 -1.11 0.00	25.23 -1.13 0.00	25.87 -1.11 0.00	26.73 -1.06 0.00	27.84 -1.10 0.00	29.43 -1.26 0.00	32.77 -1.51 0.00	37.31 -1.80 0.00	40.67 -1.96 0.00	43.04 -2.12 0.00	40.25 -1.98 0.00	33.15 -1.74 0.00	30.69 -1.58 0.00	26.79 -1.44 0.00
LOWER___HUDSON 24059	27.27 1.12 0.00	25.52 1.01 0.00	24.16 0.93 0.00	24.34 0.89 0.00	25.70 0.94 0.00	28.49 1.04 0.00	35.36 1.49 0.00	39.86 1.61 0.00	32.30 1.21 0.00	29.22 1.07 0.00	27.46 0.98 0.00	27.31 0.95 0.00	28.03 1.05 0.00	28.84 1.06 0.00	30.07 1.13 0.00	31.88 1.20 0.00	35.75 1.47 0.00	40.94 1.84 0.00	44.68 2.05 0.00	47.42 2.26 0.00	44.30 2.07 0.00	36.64 1.74 0.00	33.81 1.55 0.00	29.50 1.27 0.00
LOWVILLE_115KV_TB2 356335	25.99 -0.16 0.00	24.39 -0.12 0.00	23.09 -0.14 0.00	23.31 -0.14 0.00	24.68 -0.07 0.00	27.42 -0.03 0.00	33.74 -0.14 0.00	38.33 0.08 0.00	30.97 -0.12 0.00	27.84 -0.31 0.00	26.14 -0.34 0.00	26.02 -0.34 0.00	26.62 -0.35 0.00	27.48 -0.31 0.00	28.68 -0.26 0.00	30.44 -0.25 0.00	33.72 -0.55 0.00	38.29 -0.82 0.00	41.95 -0.68 0.00	44.30 -0.86 0.00	41.39 -0.84 0.00	34.02 -0.87 0.00	31.43 -0.84 0.00	27.46 -0.76 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	27.54 1.39 0.00	25.79 1.27 0.00	24.39 1.16 0.00	24.60 1.15 0.00	26.00 1.24 0.00	28.82 1.37 0.00	35.70 1.83 0.00	40.28 2.03 0.00	32.55 1.46 0.00	29.44 1.29 0.00	27.65 1.17 0.00	27.50 1.13 0.00	28.38 1.40 0.00	29.20 1.42 0.00	30.45 1.51 0.00	32.00 1.32 0.00	35.88 1.61 0.00	41.18 2.07 0.00	44.94 2.30 0.00	47.69 2.53 0.00	44.52 2.28 0.00	36.78 1.88 0.00	34.01 1.74 0.00	29.81 1.58 0.00



LUTHERNY_35_KV_BK2 355980	27.54 1.39 0.00	25.79 1.27 0.00	24.39 1.16 0.00	24.60 1.15 0.00	26.02 1.26 0.00	28.82 1.37 0.00	35.70 1.83 0.00	40.28 2.03 0.00	32.55 1.46 0.00	29.44 1.29 0.00	27.65 1.17 0.00	27.53 1.16 0.00	28.38 1.40 0.00	29.23 1.44 0.00	30.48 1.53 0.00	32.03 1.35 0.00	35.88 1.61 0.00	41.18 2.07 0.00	44.94 2.30 0.00	47.69 2.53 0.00	44.56 2.32 0.00	36.81 1.92 0.00	34.01 1.74 0.00	29.81 1.58 0.00
LWR___OSWEGATCHIE_HYD 23850	25.31 -0.84 0.00	23.78 -0.74 0.00	22.53 -0.70 0.00	22.77 -0.68 0.00	24.16 -0.59 0.00	26.79 -0.66 0.00	32.79 -1.08 0.00	37.11 -1.15 0.00	29.97 -1.12 0.00	27.05 -1.10 0.00	25.40 -1.09 0.00	25.29 -1.08 0.00	25.90 -1.08 0.00	26.75 -1.03 0.00	27.90 -1.04 0.00	29.55 -1.14 0.00	32.83 -1.44 0.00	37.31 -1.80 0.00	40.80 -1.83 0.00	43.18 -1.99 0.00	40.33 -1.90 0.00	33.18 -1.71 0.00	30.68 -1.58 0.00	26.79 -1.44 0.00
LYONS_FALL_HYD 23570	26.20 0.05 0.00	24.59 0.07 0.00	23.28 0.05 0.00	23.50 0.05 0.00	24.86 0.10 0.00	27.62 0.17 0.00	33.97 0.10 0.00	38.60 0.34 0.00	31.25 0.16 0.00	28.09 -0.06 0.00	26.40 -0.08 0.00	26.31 -0.05 0.00	26.89 -0.08 0.00	27.75 -0.03 0.00	28.94 0.00 0.00	30.75 0.06 0.00	34.20 -0.07 0.00	38.87 -0.23 0.00	42.59 -0.04 0.00	44.98 -0.18 0.00	42.02 -0.21 0.00	34.58 -0.31 0.00	31.94 -0.32 0.00	27.92 -0.31 0.00
MADISON___COUNTY_LFGE 323628	26.62 0.47 0.00	24.93 0.42 0.00	23.63 0.39 0.00	23.82 0.38 0.00	25.18 0.42 0.00	27.97 0.52 0.00	34.52 0.64 0.00	39.13 0.88 0.00	31.71 0.62 0.00	28.52 0.37 0.00	26.83 0.34 0.00	26.74 0.37 0.00	27.33 0.35 0.00	28.20 0.42 0.00	29.41 0.46 0.00	31.21 0.52 0.00	34.92 0.65 0.00	39.77 0.66 0.00	43.57 0.94 0.00	46.11 0.95 0.00	43.12 0.89 0.00	35.52 0.63 0.00	32.81 0.55 0.00	28.70 0.48 0.00
MALONE___115KV_TB1 356076	25.57 -0.58 0.00	24.17 -0.34 0.00	22.97 -0.26 0.00	23.28 -0.16 0.00	24.76 0.00 0.00	27.42 -0.03 0.00	33.74 -0.14 0.00	37.79 -0.46 0.00	30.53 -0.56 0.00	27.87 -0.28 0.00	26.22 -0.26 0.00	26.08 -0.29 0.00	26.73 -0.24 0.00	27.50 -0.28 0.00	28.57 -0.38 0.00	30.19 -0.49 0.00	33.59 -0.69 0.00	38.21 -0.90 0.00	41.53 -1.11 0.00	43.94 -1.22 0.00	41.09 -1.14 0.00	33.78 -1.12 0.00	31.27 -1.00 0.00	27.27 -0.96 0.00
MAPLEWOD_115KV_TB3 80458	27.14 0.99 0.00	25.42 0.91 0.00	24.04 0.81 0.00	24.25 0.80 0.00	25.60 0.84 0.00	28.36 0.91 0.00	35.13 1.25 0.00	39.63 1.38 0.00	32.15 1.06 0.00	29.13 0.99 0.00	27.38 0.90 0.00	27.26 0.90 0.00	27.95 0.97 0.00	28.73 0.94 0.00	29.93 0.98 0.00	31.85 1.17 0.00	35.68 1.41 0.00	40.83 1.72 0.00	44.55 1.92 0.00	47.24 2.08 0.00	44.14 1.90 0.00	36.46 1.57 0.00	33.72 1.45 0.00	29.35 1.13 0.00
MAPLE_RIDGE_WT_1 323574	25.86 -0.29 0.00	24.31 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.63 -0.12 0.00	27.31 -0.14 0.00	33.67 -0.20 0.00	37.91 -0.34 0.00	30.78 -0.31 0.00	27.92 -0.23 0.00	26.27 -0.21 0.00	26.13 -0.24 0.00	26.76 -0.22 0.00	27.53 -0.25 0.00	28.65 -0.29 0.00	30.35 -0.34 0.00	33.83 -0.45 0.00	38.56 -0.55 0.00	42.00 -0.64 0.00	44.39 -0.77 0.00	41.43 -0.80 0.00	34.09 -0.80 0.00	31.40 -0.87 0.00	27.38 -0.85 0.00
MAPLE_RIDGE_WT_2 323611	25.86 -0.29 0.00	24.31 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.63 -0.12 0.00	27.31 -0.14 0.00	33.67 -0.20 0.00	37.91 -0.34 0.00	30.78 -0.31 0.00	27.92 -0.23 0.00	26.27 -0.21 0.00	26.13 -0.24 0.00	26.76 -0.22 0.00	27.53 -0.25 0.00	28.65 -0.29 0.00	30.35 -0.34 0.00	33.83 -0.45 0.00	38.56 -0.55 0.00	42.00 -0.64 0.00	44.39 -0.77 0.00	41.43 -0.80 0.00	34.09 -0.80 0.00	31.40 -0.87 0.00	27.38 -0.85 0.00
MARBLE_RIVER_WT_PWR 323696	25.55 -0.60 0.00	24.14 -0.37 0.00	22.95 -0.28 0.00	23.24 -0.21 0.00	24.68 -0.07 0.00	27.34 -0.11 0.00	33.67 -0.20 0.00	37.75 -0.50 0.00	30.56 -0.53 0.00	27.98 -0.17 0.00	26.32 -0.16 0.00	26.16 -0.21 0.00	26.81 -0.16 0.00	27.56 -0.22 0.00	28.65 -0.29 0.00	30.26 -0.43 0.00	33.62 -0.65 0.00	38.25 -0.86 0.00	41.53 -1.11 0.00	43.95 -1.22 0.00	41.05 -1.18 0.00	33.81 -1.08 0.00	31.30 -0.97 0.00	27.29 -0.93 0.00
MARSHVLE_115KV_TB1 80742	28.69 2.54 0.00	26.82 2.30 0.00	25.39 2.16 0.00	25.63 2.18 0.00	27.13 2.38 0.00	30.14 2.69 0.00	37.16 3.29 0.00	41.62 3.37 0.00	33.27 2.18 0.00	29.87 1.72 0.00	27.99 1.51 0.00	27.84 1.48 0.00	28.67 1.70 0.00	29.56 1.78 0.00	30.77 1.82 0.00	32.65 1.96 0.00	36.74 2.47 0.00	42.27 3.17 0.00	46.60 3.96 0.00	49.59 4.43 0.00	46.29 4.05 0.00	38.31 3.42 0.00	35.36 3.10 0.00	30.82 2.60 0.00
MARSH_HILL_WT_PWR 323713	25.23 -0.92 0.00	23.41 -1.10 0.00	22.23 -1.00 0.00	22.67 -0.77 0.00	23.79 -0.97 0.00	26.68 -0.77 0.00	32.65 -1.22 0.00	37.45 -0.81 0.00	30.41 -0.68 0.00	27.19 -0.96 0.00	25.77 -0.71 0.00	25.58 -0.79 0.00	25.79 -1.19 0.00	26.70 -1.08 0.00	27.50 -1.45 0.00	29.09 -1.60 0.00	32.73 -1.54 0.00	37.27 -1.84 0.00	41.06 -1.58 0.00	43.22 -1.94 0.00	40.38 -1.86 0.00	33.32 -1.57 0.00	30.78 -1.48 0.00	27.49 -0.73 0.00
MCINTYRE_115KV_TB2 80467	25.91 -0.24 0.00	24.41 -0.10 0.00	23.16 -0.07 0.00	23.40 -0.05 0.00	24.86 0.10 0.00	27.56 0.11 0.00	33.70 -0.17 0.00	37.79 -0.46 0.00	30.38 -0.72 0.00	27.50 -0.65 0.00	25.82 -0.66 0.00	25.68 -0.69 0.00	26.33 -0.65 0.00	27.14 -0.64 0.00	28.31 -0.64 0.00	30.01 -0.68 0.00	33.52 -0.75 0.00	38.25 -0.86 0.00	41.87 -0.77 0.00	44.39 -0.77 0.00	41.52 -0.72 0.00	34.16 -0.73 0.00	31.62 -0.65 0.00	27.60 -0.62 0.00
MECO_____69_KV_BK1 80468	28.71 2.56 0.00	26.84 2.33 0.00	25.39 2.16 0.00	25.63 2.18 0.00	27.16 2.40 0.00	30.17 2.72 0.00	37.26 3.39 0.00	41.85 3.60 0.00	33.43 2.33 0.00	30.01 1.86 0.00	28.12 1.64 0.00	27.98 1.61 0.00	28.78 1.81 0.00	29.64 1.86 0.00	30.91 1.97 0.00	32.83 2.15 0.00	36.91 2.64 0.00	42.59 3.48 0.00	46.73 4.09 0.00	49.68 4.52 0.00	46.37 4.14 0.00	38.31 3.42 0.00	35.33 3.07 0.00	30.79 2.57 0.00
MENANDS___115KV_TB5 355628	27.04 0.89 0.00	25.32 0.81 0.00	23.97 0.74 0.00	24.15 0.70 0.00	25.52 0.77 0.00	28.25 0.80 0.00	34.96 1.08 0.00	39.44 1.19 0.00	32.06 0.96 0.00	29.02 0.87 0.00	27.30 0.82 0.00	27.16 0.79 0.00	27.84 0.86 0.00	28.64 0.86 0.00	29.84 0.90 0.00	31.76 1.07 0.00	35.54 1.27 0.00	40.67 1.56 0.00	44.34 1.71 0.00	47.01 1.85 0.00	43.92 1.69 0.00	36.32 1.43 0.00	33.59 1.32 0.00	29.21 0.99 0.00
MG INDUSTRY___DRP 24185	26.99 0.84 0.00	25.30 0.78 0.00	23.95 0.72 0.00	24.13 0.68 0.00	25.50 0.74 0.00	28.22 0.77 0.00	34.89 1.02 0.00	39.29 1.03 0.00	31.84 0.75 0.00	28.80 0.65 0.00	27.04 0.56 0.00	26.92 0.55 0.00	27.57 0.59 0.00	28.37 0.58 0.00	29.58 0.64 0.00	31.48 0.80 0.00	35.27 0.99 0.00	40.40 1.29 0.00	44.13 1.49 0.00	46.79 1.63 0.00	43.76 1.52 0.00	36.19 1.29 0.00	33.46 1.19 0.00	29.16 0.93 0.00



MID___OSWEGATCHIE_HYD 23849	25.31 -0.84 0.00	23.78 -0.74 0.00	22.53 -0.70 0.00	22.77 -0.68 0.00	24.16 -0.59 0.00	26.79 -0.66 0.00	32.79 -1.08 0.00	37.11 -1.15 0.00	29.97 -1.12 0.00	27.05 -1.10 0.00	25.40 -1.09 0.00	25.29 -1.08 0.00	25.90 -1.08 0.00	26.75 -1.03 0.00	27.90 -1.04 0.00	29.55 -1.14 0.00	32.83 -1.44 0.00	37.31 -1.80 0.00	40.80 -1.83 0.00	43.18 -1.99 0.00	40.33 -1.90 0.00	33.18 -1.71 0.00	30.68 -1.58 0.00	26.79 -1.44 0.00
MID___RAQUETTE_HYD 23851	25.31 -0.84 0.00	23.83 -0.69 0.00	22.60 -0.63 0.00	22.84 -0.61 0.00	24.29 -0.47 0.00	26.90 -0.55 0.00	32.79 -1.08 0.00	36.80 -1.45 0.00	29.73 -1.37 0.00	26.97 -1.18 0.00	25.37 -1.11 0.00	25.23 -1.13 0.00	25.87 -1.11 0.00	26.73 -1.06 0.00	27.84 -1.10 0.00	29.43 -1.26 0.00	32.76 -1.51 0.00	37.31 -1.80 0.00	40.67 -1.96 0.00	43.04 -2.12 0.00	40.25 -1.99 0.00	33.15 -1.74 0.00	30.68 -1.58 0.00	26.79 -1.44 0.00
MILLIKEN___1 23584	26.38 0.24 0.00	24.66 0.15 0.00	23.39 0.16 0.00	23.68 0.23 0.00	24.93 0.17 0.00	27.73 0.27 0.00	34.35 0.47 0.00	38.83 0.57 0.00	31.50 0.40 0.00	28.32 0.17 0.00	26.64 0.16 0.00	26.55 0.18 0.00	27.08 0.11 0.00	27.98 0.19 0.00	29.15 0.20 0.00	30.87 0.18 0.00	34.58 0.31 0.00	39.42 0.31 0.00	43.19 0.55 0.00	45.75 0.59 0.00	42.87 0.63 0.00	35.38 0.49 0.00	32.72 0.45 0.00	28.65 0.42 0.00
MILLIKEN___2 23585	26.38 0.24 0.00	24.66 0.15 0.00	23.39 0.16 0.00	23.68 0.23 0.00	24.93 0.17 0.00	27.73 0.27 0.00	34.35 0.47 0.00	38.83 0.57 0.00	31.50 0.40 0.00	28.32 0.17 0.00	26.64 0.16 0.00	26.55 0.18 0.00	27.08 0.11 0.00	27.98 0.19 0.00	29.15 0.20 0.00	30.87 0.18 0.00	34.58 0.31 0.00	39.42 0.31 0.00	43.19 0.55 0.00	45.75 0.59 0.00	42.87 0.63 0.00	35.38 0.49 0.00	32.72 0.45 0.00	28.65 0.42 0.00
MILLIKEN___DIESEL 23629	26.38 0.24 0.00	24.66 0.15 0.00	23.39 0.16 0.00	23.68 0.23 0.00	24.93 0.17 0.00	27.73 0.27 0.00	34.35 0.47 0.00	38.83 0.57 0.00	31.50 0.40 0.00	28.32 0.17 0.00	26.64 0.16 0.00	26.55 0.18 0.00	27.08 0.11 0.00	27.98 0.19 0.00	29.15 0.20 0.00	30.87 0.18 0.00	34.58 0.31 0.00	39.42 0.31 0.00	43.19 0.55 0.00	45.75 0.59 0.00	42.87 0.63 0.00	35.38 0.49 0.00	32.72 0.45 0.00	28.65 0.42 0.00
MILLSEAT___LFGE 323607	24.32 -1.83 0.00	22.65 -1.86 0.00	21.51 -1.72 0.00	22.09 -1.36 0.00	23.17 -1.58 0.00	25.97 -1.48 0.00	31.47 -2.40 0.00	36.76 -1.49 0.00	30.00 -1.09 0.00	26.85 -1.29 0.00	25.50 -0.98 0.00	25.37 -1.00 0.00	25.54 -1.43 0.00	26.56 -1.22 0.00	27.21 -1.74 0.00	28.81 -1.87 0.00	32.39 -1.88 0.00	36.64 -2.46 0.00	40.25 -2.39 0.00	42.50 -2.66 0.00	39.91 -2.32 0.00	33.08 -1.82 0.00	30.88 -1.39 0.00	26.98 -1.24 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	27.56 1.41 0.00	25.86 1.35 0.00	24.46 1.23 0.00	24.62 1.17 0.00	26.00 1.24 0.00	28.77 1.32 0.00	35.57 1.69 0.00	40.24 1.99 0.00	32.90 1.80 0.00	29.87 1.72 0.00	28.02 1.54 0.00	27.90 1.53 0.00	28.65 1.67 0.00	29.42 1.64 0.00	30.74 1.79 0.00	32.80 2.12 0.00	36.74 2.47 0.00	42.00 2.89 0.00	45.62 2.98 0.00	48.32 3.16 0.00	45.15 2.91 0.00	37.37 2.48 0.00	34.36 2.10 0.00	29.83 1.61 0.00
MILLWOOD_13_KV_LOAD 356217	27.59 1.44 0.00	25.88 1.37 0.00	24.51 1.28 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.80 1.35 0.00	35.63 1.76 0.00	40.32 2.07 0.00	32.96 1.87 0.00	29.92 1.77 0.00	28.07 1.59 0.00	27.95 1.58 0.00	28.67 1.70 0.00	29.45 1.67 0.00	30.77 1.82 0.00	32.89 2.21 0.00	36.84 2.57 0.00	42.12 3.01 0.00	45.70 3.07 0.00	48.41 3.25 0.00	45.23 3.00 0.00	37.48 2.58 0.00	34.46 2.19 0.00	29.89 1.67 0.00
MODEL_CITY_ENERGY 24167	23.59 -2.56 0.00	21.96 -2.55 0.00	20.88 -2.35 0.00	21.43 -2.02 0.00	22.46 -2.30 0.00	25.15 -2.31 0.00	30.42 -3.46 0.00	35.57 -2.68 0.00	29.14 -1.96 0.00	26.10 -2.05 0.00	24.84 -1.64 0.00	24.68 -1.69 0.00	24.82 -2.16 0.00	25.78 -2.00 0.00	26.42 -2.52 0.00	27.95 -2.73 0.00	31.33 -2.95 0.00	35.39 -3.72 0.00	38.92 -3.71 0.00	40.96 -4.20 0.00	38.52 -3.72 0.00	32.03 -2.86 0.00	29.94 -2.32 0.00	26.22 -2.00 0.00
MODERN_LFGE___ 323580	23.59 -2.56 0.00	21.96 -2.55 0.00	20.88 -2.35 0.00	21.43 -2.02 0.00	22.46 -2.30 0.00	25.15 -2.31 0.00	30.42 -3.46 0.00	35.57 -2.68 0.00	29.14 -1.96 0.00	26.10 -2.05 0.00	24.84 -1.64 0.00	24.68 -1.69 0.00	24.82 -2.16 0.00	25.78 -2.00 0.00	26.42 -2.52 0.00	27.95 -2.73 0.00	31.33 -2.95 0.00	35.39 -3.72 0.00	38.92 -3.71 0.00	40.96 -4.20 0.00	38.52 -3.72 0.00	32.03 -2.86 0.00	29.94 -2.32 0.00	26.22 -2.00 0.00
MOHAWK_PAPER___DRP 24187	27.14 0.99 0.00	25.42 0.91 0.00	24.04 0.81 0.00	24.25 0.80 0.00	25.60 0.84 0.00	28.36 0.91 0.00	35.13 1.25 0.00	39.63 1.38 0.00	32.15 1.06 0.00	29.13 0.99 0.00	27.38 0.90 0.00	27.26 0.90 0.00	27.95 0.97 0.00	28.73 0.94 0.00	29.93 0.98 0.00	31.85 1.17 0.00	35.68 1.41 0.00	40.83 1.72 0.00	44.55 1.92 0.00	47.24 2.08 0.00	44.14 1.90 0.00	36.46 1.57 0.00	33.72 1.45 0.00	29.35 1.13 0.00
MOHICAN___35_KV_115KV_LD 80490	27.74 1.60 0.00	25.96 1.45 0.00	24.55 1.32 0.00	24.76 1.31 0.00	26.22 1.46 0.00	29.07 1.62 0.00	36.04 2.17 0.00	40.66 2.41 0.00	32.80 1.71 0.00	29.61 1.46 0.00	27.81 1.32 0.00	27.66 1.29 0.00	28.65 1.67 0.00	29.48 1.69 0.00	30.77 1.82 0.00	31.88 1.20 0.00	35.71 1.44 0.00	41.06 1.96 0.00	44.81 2.17 0.00	47.60 2.44 0.00	44.43 2.20 0.00	36.64 1.74 0.00	33.91 1.65 0.00	30.06 1.83 0.00
MONGAUP___HYD 23641	27.40 1.26 0.00	25.64 1.13 0.00	24.30 1.07 0.00	24.46 1.01 0.00	25.82 1.06 0.00	28.63 1.18 0.00	35.43 1.56 0.00	39.93 1.68 0.00	32.46 1.37 0.00	29.33 1.18 0.00	27.54 1.06 0.00	27.45 1.08 0.00	28.11 1.13 0.00	28.86 1.08 0.00	30.21 1.27 0.00	32.19 1.50 0.00	36.12 1.85 0.00	41.41 2.31 0.00	45.02 2.39 0.00	47.92 2.76 0.00	44.81 2.58 0.00	37.06 2.16 0.00	34.14 1.87 0.00	29.69 1.47 0.00
MONTAUK___DIESEL 23721	27.82 1.67 0.00	26.15 1.64 0.00	24.60 1.37 0.00	24.76 1.31 0.00	26.12 1.36 0.00	28.96 1.51 0.00	36.48 2.61 0.00	41.16 2.91 0.00	32.59 1.49 0.00	29.53 1.38 0.00	27.46 0.98 0.00	27.23 0.87 0.00	28.28 1.29 -0.01	29.03 1.22 -0.03	30.26 1.30 -0.01	32.43 1.72 -0.02	36.45 2.16 -0.02	42.61 3.01 -0.49	48.03 3.84 -1.56	50.17 3.88 -1.12	47.54 3.67 -1.63	39.00 3.21 -0.90	35.65 2.97 -0.42	29.83 1.61 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	25.50 -0.65 0.00	23.48 -1.03 0.00	22.44 -0.79 0.00	22.77 -0.68 0.00	23.67 -1.09 0.00	26.52 -0.93 0.00	32.75 -1.12 0.00	37.41 -0.84 0.00	30.84 -0.25 0.00	27.59 -0.56 0.00	26.54 0.05 0.00	26.31 -0.05 0.00	26.27 -0.70 0.00	27.25 -0.53 0.00	28.19 -0.75 0.00	29.49 -1.20 0.00	32.94 -1.34 0.00	37.35 -1.76 0.00	41.06 -1.58 0.00	43.31 -1.85 0.00	40.55 -1.69 0.00	33.53 -1.36 0.00	30.91 -1.36 0.00	27.01 -1.21 0.00



MORRIS_RIDGE___SOLAR 323848	24.95 -1.20 0.00	23.24 -1.28 0.00	22.07 -1.16 0.00	22.51 -0.94 0.00	23.59 -1.16 0.00	26.41 -1.04 0.00	32.21 -1.66 0.00	36.99 -1.26 0.00	30.00 -1.09 0.00	26.85 -1.29 0.00	25.50 -0.98 0.00	25.31 -1.06 0.00	25.49 -1.48 0.00	26.45 -1.33 0.00	27.29 -1.65 0.00	28.87 -1.81 0.00	32.46 -1.82 0.00	36.92 -2.19 0.00	40.72 -1.92 0.00	42.95 -2.21 0.00	40.21 -2.03 0.00	33.29 -1.60 0.00	30.88 -1.39 0.00	27.18 -1.04 0.00
MORTIMER_115KV_TB3 55949	24.92 -1.23 0.00	23.09 -1.42 0.00	22.05 -1.18 0.00	22.44 -1.01 0.00	23.54 -1.21 0.00	26.30 -1.15 0.00	32.55 -1.32 0.00	37.14 -1.11 0.00	30.28 -0.81 0.00	27.25 -0.90 0.00	25.85 -0.64 0.00	25.76 -0.61 0.00	26.06 -0.92 0.00	27.03 -0.75 0.00	28.05 -0.90 0.00	29.43 -1.26 0.00	33.11 -1.17 0.00	37.50 -1.60 0.00	41.01 -1.62 0.00	43.40 -1.76 0.00	40.76 -1.48 0.00	33.67 -1.22 0.00	31.30 -0.97 0.00	27.43 -0.79 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	27.74 1.60 0.00	26.06 1.54 0.00	24.60 1.37 0.00	24.76 1.31 0.00	26.14 1.39 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.15 2.05 0.00	30.15 2.00 0.00	28.26 1.77 0.00	28.13 1.77 0.00	28.89 1.92 0.00	29.70 1.92 0.00	31.03 2.08 0.00	33.14 2.45 0.00	37.08 2.81 0.00	42.35 3.25 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00
MUNSVILLE_WIND_PWR 323609	27.61 1.46 0.00	25.86 1.35 0.00	24.51 1.28 0.00	24.76 1.31 0.00	26.19 1.44 0.00	29.21 1.76 0.00	35.97 2.10 0.00	41.08 2.83 0.00	33.05 1.96 0.00	29.44 1.30 0.00	27.68 1.19 0.00	27.58 1.21 0.00	28.05 1.08 0.00	29.00 1.22 0.00	30.19 1.24 0.00	32.16 1.47 0.00	36.33 2.06 0.00	41.30 2.19 0.00	45.57 2.94 0.00	48.10 2.93 0.00	44.81 2.58 0.00	36.74 1.85 0.00	33.85 1.58 0.00	29.50 1.27 0.00
N SALMON___HYD 24042	25.60 -0.55 0.00	24.17 -0.34 0.00	22.98 -0.26 0.00	23.29 -0.16 0.00	24.76 0.00 0.00	27.42 -0.03 0.00	33.74 -0.13 0.00	37.80 -0.46 0.00	30.53 -0.56 0.00	27.87 -0.28 0.00	26.22 -0.26 0.00	26.08 -0.29 0.00	26.73 -0.24 0.00	27.50 -0.28 0.00	28.60 -0.35 0.00	30.19 -0.49 0.00	33.59 -0.69 0.00	38.21 -0.90 0.00	41.53 -1.11 0.00	43.95 -1.22 0.00	41.10 -1.14 0.00	33.78 -1.12 0.00	31.27 -1.00 0.00	27.27 -0.96 0.00
N.AKRON__115KV_KNAPP 355671	24.53 -1.62 0.00	22.62 -1.89 0.00	21.67 -1.56 0.00	22.11 -1.34 0.00	23.12 -1.63 0.00	25.91 -1.54 0.00	32.11 -1.76 0.00	36.68 -1.57 0.00	29.97 -1.12 0.00	26.83 -1.32 0.00	25.58 -0.90 0.00	25.44 -0.92 0.00	25.54 -1.43 0.00	26.56 -1.22 0.00	27.55 -1.39 0.00	28.78 -1.90 0.00	32.32 -1.95 0.00	36.56 -2.54 0.00	40.08 -2.56 0.00	42.36 -2.80 0.00	39.83 -2.41 0.00	32.97 -1.92 0.00	30.72 -1.55 0.00	26.95 -1.27 0.00
N.BELMOR_69_KV_BK1 55787	28.06 1.91 0.00	26.30 1.79 0.00	24.76 1.53 0.00	24.93 1.48 0.00	26.34 1.58 0.00	29.18 1.73 0.00	36.34 2.47 0.00	41.01 2.75 0.00	33.24 2.15 0.00	30.21 2.05 -0.01	28.51 2.01 -0.01	28.23 1.85 -0.01	29.32 2.24 -0.10	30.20 2.22 -0.20	31.45 2.40 -0.10	33.59 2.73 -0.17	37.51 3.08 -0.16	45.60 3.64 -2.85	55.24 3.71 -8.90	55.50 3.93 -6.41	55.22 3.67 -9.31	43.19 3.18 -5.12	37.77 3.03 -2.47	30.29 2.06 -0.01
N.E_GEN_SANDY PD 24062	27.35 1.20 0.00	25.64 1.13 0.00	24.25 1.02 0.00	24.41 0.96 0.00	25.77 1.02 0.00	28.55 1.10 0.00	35.43 1.56 0.00	39.93 1.68 0.00	32.43 1.34 0.00	29.42 1.27 0.00	27.65 1.16 0.00	27.50 1.13 0.00	28.16 1.19 0.00	28.95 1.17 0.00	30.21 1.27 0.00	32.13 1.44 0.00	36.05 1.78 0.00	40.97 2.15 0.28	45.26 2.34 -0.28	47.69 2.53 0.00	44.60 2.36 0.00	37.20 1.99 -0.32	34.26 1.74 -0.25	29.55 1.33 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	27.51 1.36 0.00	25.79 1.27 0.00	24.44 1.21 0.00	24.60 1.15 0.00	25.95 1.19 0.00	28.74 1.29 0.00	35.57 1.69 0.00	40.24 1.99 0.00	32.90 1.80 0.00	29.84 1.69 0.00	27.99 1.51 0.00	27.90 1.53 0.00	28.62 1.65 0.00	29.37 1.58 0.00	30.71 1.77 0.00	32.77 2.09 0.00	36.67 2.40 0.00	41.96 2.85 0.00	45.58 2.94 0.00	48.28 3.12 0.00	45.15 2.91 0.00	37.34 2.44 0.00	34.36 2.10 0.00	29.83 1.61 0.00
N.QUEENS_27_KV_LOAD 356247	27.64 1.49 0.00	25.98 1.47 0.00	24.53 1.30 0.00	24.69 1.24 0.00	26.07 1.31 0.00	28.77 1.32 0.00	35.63 1.76 0.00	40.32 2.07 0.00	33.11 2.02 0.00	30.17 2.03 0.01	28.26 1.77 0.00	28.15 1.79 0.01	28.91 1.94 0.01	29.69 1.92 0.01	31.02 2.08 0.01	33.16 2.49 0.01	37.08 2.81 0.00	42.31 3.21 0.00	45.66 3.03 0.00	48.28 3.12 0.00	45.15 2.91 0.00	37.44 2.55 0.00	34.40 2.13 0.00	29.92 1.69 0.00
N.TROY___115KV_TB1 355778	27.25 1.10 0.00	25.52 1.00 0.00	24.14 0.91 0.00	24.34 0.89 0.00	25.70 0.94 0.00	28.49 1.04 0.00	35.33 1.46 0.00	39.86 1.61 0.00	32.31 1.21 0.00	29.22 1.07 0.00	27.46 0.98 0.00	27.32 0.95 0.00	28.03 1.05 0.00	28.84 1.06 0.00	30.04 1.10 0.00	31.88 1.20 0.00	35.75 1.47 0.00	40.94 1.84 0.00	44.68 2.05 0.00	47.42 2.26 0.00	44.30 2.07 0.00	36.64 1.74 0.00	33.85 1.58 0.00	29.50 1.27 0.00
NARROWS_GT1_1 24228	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT1_2 24229	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT1_3 24230	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT1_4 24231	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01



NARROWS_GT1_5 24232	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT1_6 24233	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT1_7 24234	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT1_8 24235	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT2_1 24236	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT2_2 24237	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT2_3 24238	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT2_4 24239	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT2_5 24240	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT2_6 24241	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT2_7 24242	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NARROWS_GT2_8 24243	28.14 1.99 -0.01	26.38 1.86 -0.01	24.93 1.69 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.31 2.44 0.00	40.78 2.52 0.00	33.52 2.43 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.49 2.11 -0.01	29.22 2.24 -0.01	30.04 2.25 -0.01	31.41 2.46 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.05 3.41 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.97 3.07 0.00	34.88 2.61 0.00	30.38 2.14 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	27.33 1.18 0.00	25.57 1.05 0.00	24.18 0.95 0.00	24.36 0.91 0.00	25.77 1.02 0.00	28.55 1.10 0.00	35.29 1.42 0.00	39.67 1.42 0.00	32.03 0.93 0.00	28.82 0.68 0.00	27.04 0.56 0.00	26.95 0.58 0.00	27.62 0.65 0.00	28.39 0.61 0.00	29.64 0.69 0.00	31.61 0.92 0.00	35.47 1.20 0.00	40.79 1.68 0.00	44.55 1.92 0.00	47.38 2.21 0.00	44.30 2.07 0.00	36.64 1.74 0.00	33.94 1.68 0.00	29.55 1.33 0.00
NCHELSEA_115KV_TR2 355582	27.61 1.46 0.00	25.88 1.37 0.00	24.48 1.25 0.00	24.64 1.20 0.00	26.02 1.26 0.00	28.82 1.37 0.00	35.63 1.76 0.00	40.28 2.03 0.00	32.80 1.71 0.00	29.70 1.55 0.00	27.89 1.40 0.00	27.79 1.42 0.00	28.51 1.54 0.00	29.25 1.47 0.00	30.59 1.65 0.00	32.68 1.99 0.00	36.60 2.33 0.00	41.92 2.82 0.00	45.53 2.90 0.00	48.32 3.16 0.00	45.19 2.96 0.00	37.41 2.51 0.00	34.46 2.19 0.00	29.89 1.67 0.00
NEG CAPITAL___MECHNVIL 23645	27.56 1.41 0.00	25.79 1.27 0.00	24.41 1.18 0.00	24.60 1.15 0.00	26.02 1.26 0.00	28.85 1.40 0.00	35.77 1.90 0.00	40.32 2.06 0.00	32.62 1.52 0.00	29.50 1.35 0.00	27.70 1.22 0.00	27.58 1.21 0.00	28.40 1.43 0.00	29.23 1.44 0.00	30.50 1.56 0.00	32.13 1.44 0.00	36.02 1.75 0.00	41.33 2.23 0.00	45.06 2.43 0.00	47.83 2.66 0.00	44.68 2.45 0.00	36.88 1.99 0.00	34.10 1.84 0.00	29.83 1.61 0.00



NEG CENTRAL_HIGH_ACRES 23767	24.53 -1.62 0.00	22.89 -1.62 0.00	21.72 -1.51 0.00	22.18 -1.27 0.00	23.32 -1.44 0.00	26.02 -1.43 0.00	31.77 -2.10 0.00	36.72 -1.53 0.00	29.91 -1.18 0.00	26.91 -1.24 0.00	25.45 -1.03 0.00	25.37 -1.00 0.00	25.73 -1.24 0.00	26.73 -1.06 0.00	27.53 -1.42 0.00	29.15 -1.53 0.00	32.80 -1.47 0.00	37.23 -1.88 0.00	40.72 -1.92 0.00	43.04 -2.12 0.00	40.38 -1.86 0.00	33.36 -1.53 0.00	31.04 -1.23 0.00	27.15 -1.07 0.00
NEG CENTRAL___DRP 24199	25.84 -0.31 0.00	24.07 -0.44 0.00	22.88 -0.35 0.00	23.19 -0.26 0.00	24.39 -0.37 0.00	27.18 -0.27 0.00	33.67 -0.20 0.00	38.14 -0.11 0.00	31.00 -0.09 0.00	27.90 -0.25 0.00	26.30 -0.19 0.00	26.18 -0.18 0.00	26.65 -0.32 0.00	27.56 -0.22 0.00	28.65 -0.29 0.00	30.26 -0.43 0.00	33.90 -0.38 0.00	38.60 -0.51 0.00	42.21 -0.43 0.00	44.71 -0.45 0.00	41.90 -0.34 0.00	34.65 -0.24 0.00	32.07 -0.19 0.00	28.14 -0.08 0.00
NEG CENTRAL___INDECK 23768	25.57 -0.58 0.00	23.80 -0.71 0.00	22.60 -0.63 0.00	23.12 -0.33 0.00	24.29 -0.47 0.00	27.18 -0.27 0.00	33.19 -0.68 0.00	38.21 -0.04 0.00	30.88 -0.22 0.00	27.59 -0.56 0.00	26.03 -0.45 0.00	25.89 -0.47 0.00	26.14 -0.84 0.00	27.14 -0.64 0.00	27.93 -1.01 0.00	29.70 -0.98 0.00	33.55 -0.72 0.00	38.21 -0.90 0.00	42.17 -0.47 0.00	44.71 -0.45 0.00	42.02 -0.21 0.00	34.61 -0.28 0.00	32.14 -0.13 0.00	28.17 -0.06 0.00
NEG CENTRAL___SENECA 23627	25.78 -0.37 0.00	24.00 -0.51 0.00	22.84 -0.39 0.00	23.17 -0.28 0.00	24.34 -0.42 0.00	27.18 -0.27 0.00	33.70 -0.17 0.00	38.21 -0.04 0.00	31.06 -0.03 0.00	27.90 -0.25 0.00	26.32 -0.16 0.00	26.21 -0.16 0.00	26.60 -0.38 0.00	27.56 -0.22 0.00	28.62 -0.32 0.00	30.22 -0.46 0.00	33.93 -0.34 0.00	38.64 -0.47 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.94 -0.30 0.00	34.72 -0.17 0.00	32.14 -0.13 0.00	28.17 -0.06 0.00
NEG CENTRAL___STATE_STREET 24147	25.94 -0.21 0.00	24.24 -0.27 0.00	23.00 -0.23 0.00	23.28 -0.16 0.00	24.51 -0.25 0.00	27.26 -0.19 0.00	33.77 -0.10 0.00	38.21 -0.04 0.00	31.06 -0.03 0.00	27.98 -0.17 0.00	26.35 -0.13 0.00	26.26 -0.11 0.00	26.79 -0.19 0.00	27.70 -0.08 0.00	28.80 -0.14 0.00	30.47 -0.21 0.00	34.03 -0.24 0.00	38.79 -0.31 0.00	42.42 -0.21 0.00	44.94 -0.23 0.00	42.11 -0.13 0.00	34.79 -0.10 0.00	32.17 -0.10 0.00	28.20 -0.03 0.00
NEG MILLWOOD___DRP 24198	27.72 1.57 0.00	25.98 1.47 0.00	24.58 1.35 0.00	24.74 1.29 0.00	26.12 1.36 0.00	28.91 1.45 0.00	35.73 1.86 0.00	40.47 2.22 0.00	33.02 1.93 0.00	29.89 1.75 0.00	28.07 1.59 0.00	27.95 1.58 0.00	28.70 1.73 0.00	29.45 1.67 0.00	30.80 1.85 0.00	32.92 2.24 0.00	36.95 2.67 0.00	42.23 3.13 0.00	45.83 3.20 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.69 2.79 0.00	34.65 2.39 0.00	29.97 1.75 0.00
NEG NORTH_FLCN_SEA 23793	25.63 -0.52 0.00	24.24 -0.27 0.00	23.07 -0.16 0.00	23.38 -0.07 0.00	24.88 0.12 0.00	27.56 0.11 0.00	33.97 0.10 0.00	38.02 -0.23 0.00	30.78 -0.31 0.00	28.49 0.34 0.00	26.80 0.32 0.00	26.63 0.26 0.00	27.30 0.32 0.00	28.06 0.28 0.00	29.15 0.20 0.00	30.81 0.12 0.00	34.27 0.00 0.00	38.99 -0.12 0.00	42.34 -0.30 0.00	44.30 -0.86 0.00	41.43 -0.80 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.52 -0.71 0.00
NEG NORTH_KES_CHATEGAY 23792	25.55 -0.60 0.00	24.17 -0.34 0.00	22.97 -0.26 0.00	23.28 -0.16 0.00	24.73 -0.02 0.00	27.40 -0.05 0.00	33.74 -0.14 0.00	37.79 -0.46 0.00	30.60 -0.50 0.00	27.98 -0.17 0.00	26.32 -0.16 0.00	26.16 -0.21 0.00	26.81 -0.16 0.00	27.53 -0.25 0.00	28.62 -0.32 0.00	30.22 -0.46 0.00	33.62 -0.65 0.00	38.25 -0.86 0.00	41.57 -1.07 0.00	43.94 -1.22 0.00	41.05 -1.18 0.00	33.78 -1.12 0.00	31.27 -1.00 0.00	27.27 -0.96 0.00
NEG NORTH___ALICE_FALLS 23915	25.68 -0.47 0.00	24.29 -0.22 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.93 0.17 0.00	27.64 0.19 0.00	34.08 0.20 0.00	38.14 -0.11 0.00	30.84 -0.25 0.00	28.43 0.28 0.00	26.75 0.26 0.00	26.58 0.21 0.00	27.24 0.27 0.00	28.00 0.22 0.00	29.09 0.14 0.00	30.75 0.06 0.00	34.20 -0.07 0.00	38.91 -0.20 0.00	42.25 -0.38 0.00	44.35 -0.81 0.00	41.47 -0.76 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.49 -0.73 0.00
NEG NORTH___LWR_SARANAC 23913	25.68 -0.47 0.00	24.29 -0.22 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.93 0.17 0.00	27.64 0.19 0.00	34.08 0.20 0.00	38.14 -0.11 0.00	30.84 -0.25 0.00	28.43 0.28 0.00	26.75 0.26 0.00	26.58 0.21 0.00	27.24 0.27 0.00	28.00 0.22 0.00	29.09 0.14 0.00	30.75 0.06 0.00	34.20 -0.07 0.00	38.91 -0.20 0.00	42.25 -0.38 0.00	44.35 -0.81 0.00	41.47 -0.76 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.49 -0.73 0.00
NEG NORTH___PLATTSBURG 23628	25.68 -0.47 0.00	24.29 -0.22 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.93 0.17 0.00	27.64 0.19 0.00	34.08 0.20 0.00	38.14 -0.11 0.00	30.84 -0.25 0.00	28.43 0.28 0.00	26.75 0.26 0.00	26.58 0.21 0.00	27.24 0.27 0.00	28.00 0.22 0.00	29.09 0.15 0.00	30.75 0.06 0.00	34.20 -0.07 0.00	38.91 -0.19 0.00	42.25 -0.38 0.00	44.35 -0.81 0.00	41.48 -0.76 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.49 -0.73 0.00
NEG WEST_LEA_LOCKPORT 23791	24.11 -2.04 0.00	22.21 -2.30 0.00	21.30 -1.93 0.00	21.71 -1.74 0.00	22.70 -2.05 0.00	25.45 -2.00 0.00	31.50 -2.37 0.00	36.00 -2.26 0.00	29.48 -1.62 0.00	26.38 -1.77 0.00	25.24 -1.24 0.00	25.05 -1.32 0.00	25.11 -1.86 0.00	26.09 -1.69 0.00	27.09 -1.85 0.00	28.26 -2.42 0.00	31.67 -2.60 0.00	35.78 -3.32 0.00	39.27 -3.37 0.00	41.46 -3.70 0.00	38.94 -3.29 0.00	32.35 -2.55 0.00	30.14 -2.13 0.00	26.48 -1.75 0.00
NEG WEST___LANCASTER 23811	24.40 -1.75 0.00	22.55 -1.96 0.00	21.58 -1.65 0.00	21.97 -1.48 0.00	22.93 -1.83 0.00	25.75 -1.70 0.00	31.77 -2.10 0.00	36.15 -2.10 0.00	29.66 -1.43 0.00	26.52 -1.63 0.00	25.32 -1.17 0.00	25.10 -1.27 0.00	25.17 -1.81 0.00	26.12 -1.67 0.00	27.12 -1.82 0.00	28.38 -2.30 0.00	31.81 -2.47 0.00	36.06 -3.05 0.00	39.65 -2.98 0.00	41.82 -3.34 0.00	39.24 -3.00 0.00	32.56 -2.34 0.00	30.17 -2.10 0.00	26.64 -1.58 0.00
NEG_PENN_ALLEGHNY 23528	26.07 -0.08 0.00	24.39 -0.12 0.00	23.14 -0.09 0.00	23.42 -0.02 0.00	24.66 -0.10 0.00	27.45 0.00 0.00	33.80 -0.07 0.00	38.45 0.19 0.00	31.31 0.22 0.00	28.23 0.08 0.00	26.59 0.11 0.00	26.47 0.11 0.00	26.97 0.00 0.00	27.87 0.08 0.00	28.94 0.00 0.00	30.72 0.03 0.00	34.31 0.03 0.00	39.11 0.00 0.00	42.81 0.17 0.00	45.30 0.14 0.00	42.36 0.13 0.00	35.03 0.14 0.00	32.40 0.13 0.00	28.37 0.14 0.00
NEG___GEN_MONROE 24207	25.00 -1.15 0.00	23.14 -1.37 0.00	22.14 -1.09 0.00	22.53 -0.91 0.00	23.64 -1.11 0.00	26.44 -1.02 0.00	32.72 -1.15 0.00	37.26 -0.99 0.00	30.35 -0.75 0.00	27.25 -0.90 0.00	25.85 -0.64 0.00	25.73 -0.63 0.00	25.95 -1.03 0.00	26.89 -0.89 0.00	27.87 -1.07 0.00	29.21 -1.47 0.00	32.80 -1.47 0.00	37.23 -1.88 0.00	40.72 -1.92 0.00	43.13 -2.03 0.00	40.50 -1.73 0.00	33.50 -1.40 0.00	31.10 -1.16 0.00	27.29 -0.93 0.00



NEPA__ENERGY 23901	25.16 -0.99 0.00	23.24 -1.27 0.00	22.23 -1.00 0.00	22.60 -0.84 0.00	23.57 -1.19 0.00	26.46 -0.99 0.00	32.58 -1.29 0.00	37.26 -0.99 0.00	30.63 -0.47 0.00	27.39 -0.76 0.00	26.16 -0.32 0.00	25.95 -0.42 0.00	26.00 -0.97 0.00	26.95 -0.83 0.00	27.99 -0.96 0.00	29.30 -1.38 0.00	32.83 -1.44 0.00	37.31 -1.80 0.00	41.06 -1.58 0.00	43.31 -1.85 0.00	40.59 -1.65 0.00	33.64 -1.26 0.00	31.14 -1.13 0.00	27.35 -0.87 0.00
NEVERSINK__HYD 23608	27.56 1.41 0.00	25.79 1.27 0.00	24.44 1.21 0.00	24.60 1.15 0.00	25.97 1.21 0.00	28.77 1.32 0.00	35.60 1.73 0.00	40.13 1.87 0.00	32.62 1.52 0.00	29.42 1.27 0.00	27.62 1.14 0.00	27.58 1.21 0.00	28.22 1.24 0.00	28.92 1.14 0.00	30.28 1.33 0.00	32.28 1.59 0.00	36.19 1.92 0.00	41.45 2.35 0.00	45.06 2.43 0.00	47.87 2.71 0.00	44.77 2.53 0.00	37.02 2.13 0.00	34.10 1.84 0.00	29.64 1.41 0.00
NEWKRMKL_115KV_TB1 55635	26.88 0.73 0.00	25.20 0.69 0.00	23.83 0.60 0.00	24.01 0.56 0.00	25.38 0.62 0.00	28.11 0.66 0.00	34.75 0.88 0.00	39.17 0.92 0.00	31.84 0.75 0.00	28.85 0.70 0.00	27.14 0.66 0.00	27.03 0.66 0.00	27.70 0.73 0.00	28.50 0.72 0.00	29.70 0.75 0.00	31.61 0.92 0.00	35.34 1.06 0.00	40.44 1.33 0.00	44.04 1.41 0.00	46.70 1.54 0.00	43.63 1.39 0.00	36.05 1.15 0.00	33.40 1.13 0.00	29.04 0.82 0.00
NEWTON__FALLS_HYD 23847	25.31 -0.84 0.00	23.78 -0.74 0.00	22.53 -0.70 0.00	22.77 -0.68 0.00	24.16 -0.59 0.00	26.79 -0.66 0.00	32.79 -1.08 0.00	37.11 -1.15 0.00	29.97 -1.12 0.00	27.05 -1.10 0.00	25.40 -1.09 0.00	25.29 -1.08 0.00	25.90 -1.08 0.00	26.75 -1.03 0.00	27.90 -1.04 0.00	29.55 -1.14 0.00	32.83 -1.44 0.00	37.31 -1.80 0.00	40.80 -1.83 0.00	43.18 -1.99 0.00	40.33 -1.90 0.00	33.18 -1.71 0.00	30.68 -1.58 0.00	26.79 -1.44 0.00
NGRID_A1_DSASP 323792	23.53 -2.61 0.00	21.94 -2.57 0.00	20.84 -2.39 0.00	21.41 -2.04 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	30.32 -3.56 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.10 -2.05 0.00	24.84 -1.64 0.00	24.68 -1.69 0.00	24.82 -2.16 0.00	25.78 -2.00 0.00	26.42 -2.52 0.00	27.92 -2.76 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.84 -3.79 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.91 -2.35 0.00	26.19 -2.03 0.00
NGRID_A2_DSASP 323793	23.53 -2.61 0.00	21.94 -2.57 0.00	20.84 -2.39 0.00	21.41 -2.04 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	30.32 -3.56 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.10 -2.05 0.00	24.84 -1.64 0.00	24.68 -1.69 0.00	24.82 -2.16 0.00	25.78 -2.00 0.00	26.42 -2.52 0.00	27.92 -2.76 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.84 -3.79 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.91 -2.35 0.00	26.19 -2.03 0.00
NGRID_A4_DSASP 323807	23.53 -2.61 0.00	21.94 -2.57 0.00	20.84 -2.39 0.00	21.41 -2.04 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	30.32 -3.56 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.10 -2.05 0.00	24.84 -1.64 0.00	24.68 -1.69 0.00	24.82 -2.16 0.00	25.78 -2.00 0.00	26.42 -2.52 0.00	27.92 -2.76 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.84 -3.79 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.91 -2.35 0.00	26.19 -2.03 0.00
NIAGARA_115E_LBMP 323715	23.46 -2.69 0.00	21.84 -2.67 0.00	20.74 -2.49 0.00	21.31 -2.13 0.00	22.31 -2.45 0.00	25.01 -2.44 0.00	30.21 -3.66 0.00	35.34 -2.91 0.00	28.95 -2.15 0.00	25.95 -2.20 0.00	24.71 -1.77 0.00	24.55 -1.82 0.00	24.68 -2.29 0.00	25.64 -2.14 0.00	26.28 -2.66 0.00	27.77 -2.92 0.00	31.15 -3.12 0.00	35.16 -3.95 0.00	38.67 -3.96 0.00	40.69 -4.47 0.00	38.26 -3.97 0.00	31.82 -3.07 0.00	29.75 -2.52 0.00	26.05 -2.17 0.00
NIAGARA_115W_LBMP 323714	23.48 -2.67 0.00	21.86 -2.65 0.00	20.77 -2.46 0.00	21.34 -2.11 0.00	22.36 -2.40 0.00	25.01 -2.44 0.00	30.21 -3.66 0.00	35.38 -2.87 0.00	29.01 -2.08 0.00	26.01 -2.14 0.00	24.76 -1.72 0.00	24.60 -1.77 0.00	24.74 -2.24 0.00	25.70 -2.08 0.00	26.34 -2.60 0.00	27.83 -2.85 0.00	31.22 -3.05 0.00	35.20 -3.91 0.00	38.71 -3.92 0.00	40.74 -4.42 0.00	38.31 -3.93 0.00	31.89 -3.00 0.00	29.81 -2.45 0.00	26.11 -2.12 0.00
NIAGARA_230_LBMP 323716	23.72 -2.43 0.00	22.11 -2.40 0.00	21.00 -2.23 0.00	21.55 -1.90 0.00	22.58 -2.18 0.00	25.28 -2.17 0.00	30.55 -3.32 0.00	35.77 -2.49 0.00	29.29 -1.80 0.00	26.29 -1.86 0.00	25.00 -1.48 0.00	24.84 -1.53 0.00	25.01 -1.97 0.00	25.95 -1.83 0.00	26.63 -2.32 0.00	28.14 -2.55 0.00	31.56 -2.71 0.00	35.59 -3.52 0.00	39.18 -3.45 0.00	41.23 -3.93 0.00	38.77 -3.46 0.00	32.24 -2.65 0.00	30.14 -2.13 0.00	26.39 -1.83 0.00
NIAGARA__115KV_198_GIBSON 55903	23.72 -2.43 0.00	22.11 -2.40 0.00	21.00 -2.23 0.00	21.55 -1.90 0.00	22.58 -2.18 0.00	25.28 -2.17 0.00	30.55 -3.32 0.00	35.77 -2.49 0.00	29.29 -1.80 0.00	26.29 -1.86 0.00	25.00 -1.48 0.00	24.84 -1.53 0.00	25.01 -1.97 0.00	25.95 -1.83 0.00	26.63 -2.32 0.00	28.14 -2.55 0.00	31.56 -2.71 0.00	35.59 -3.52 0.00	39.18 -3.45 0.00	41.23 -3.93 0.00	38.77 -3.46 0.00	32.24 -2.65 0.00	30.14 -2.13 0.00	26.39 -1.83 0.00
NINE_MILE_1 23575	25.34 -0.81 0.00	23.75 -0.76 0.00	22.51 -0.72 0.00	22.75 -0.70 0.00	23.99 -0.77 0.00	26.63 -0.82 0.00	32.79 -1.09 0.00	37.11 -1.15 0.00	30.16 -0.93 0.00	27.28 -0.87 0.00	25.69 -0.79 0.00	25.58 -0.79 0.00	26.14 -0.84 0.00	26.95 -0.83 0.00	28.05 -0.90 0.00	29.64 -1.04 0.00	33.04 -1.23 0.00	37.62 -1.49 0.00	41.10 -1.53 0.00	43.49 -1.67 0.00	40.72 -1.52 0.00	33.64 -1.25 0.00	31.17 -1.10 0.00	27.43 -0.79 0.00
NINE_MILE_2 23744	25.34 -0.81 0.00	23.75 -0.76 0.00	22.51 -0.72 0.00	22.75 -0.70 0.00	23.99 -0.77 0.00	26.63 -0.82 0.00	32.79 -1.09 0.00	37.11 -1.15 0.00	30.16 -0.93 0.00	27.28 -0.87 0.00	25.69 -0.79 0.00	25.58 -0.79 0.00	26.14 -0.84 0.00	26.95 -0.83 0.00	28.05 -0.90 0.00	29.64 -1.04 0.00	33.04 -1.23 0.00	37.66 -1.45 0.00	41.10 -1.53 0.00	43.49 -1.67 0.00	40.72 -1.52 0.00	33.64 -1.25 0.00	31.17 -1.10 0.00	27.43 -0.79 0.00
NM_CAPITAL__DRP 24208	26.99 0.84 0.00	25.27 0.76 0.00	23.93 0.70 0.00	24.10 0.66 0.00	25.48 0.72 0.00	28.19 0.74 0.00	34.89 1.02 0.00	39.36 1.11 0.00	31.96 0.87 0.00	28.97 0.82 0.00	27.25 0.77 0.00	27.11 0.74 0.00	27.78 0.81 0.00	28.59 0.81 0.00	29.78 0.84 0.00	31.70 1.01 0.00	35.47 1.20 0.00	40.59 1.49 0.00	44.25 1.62 0.00	46.92 1.76 0.00	43.84 1.60 0.00	36.22 1.33 0.00	33.52 1.26 0.00	29.16 0.93 0.00



NM_CENTRAL___DRP 24181	25.84 -0.31 0.00	24.17 -0.34 0.00	22.93 -0.30 0.00	23.17 -0.28 0.00	24.41 -0.35 0.00	27.12 -0.33 0.00	33.50 -0.37 0.00	37.87 -0.38 0.00	30.81 -0.28 0.00	27.84 -0.31 0.00	26.22 -0.26 0.00	26.10 -0.26 0.00	26.68 -0.30 0.00	27.53 -0.25 0.00	28.65 -0.29 0.00	30.32 -0.37 0.00	33.79 -0.48 0.00	38.48 -0.63 0.00	42.04 -0.60 0.00	44.53 -0.63 0.00	41.69 -0.55 0.00	34.44 -0.45 0.00	31.88 -0.39 0.00	28.00 -0.23 0.00
NM_FRONTIER___DRP 24179	23.72 -2.43 0.00	21.86 -2.65 0.00	20.98 -2.25 0.00	21.38 -2.06 0.00	22.36 -2.40 0.00	25.01 -2.44 0.00	30.96 -2.91 0.00	35.38 -2.87 0.00	29.01 -2.08 0.00	26.01 -2.14 0.00	24.87 -1.62 0.00	24.71 -1.66 0.00	24.79 -2.18 0.00	25.73 -2.06 0.00	26.74 -2.20 0.00	27.86 -2.82 0.00	31.22 -3.05 0.00	35.20 -3.91 0.00	38.58 -4.05 0.00	40.78 -4.38 0.00	38.31 -3.93 0.00	31.86 -3.04 0.00	29.68 -2.58 0.00	26.11 -2.12 0.00
NM_ST_REGIS___HYD 24053	25.36 -0.78 0.00	23.92 -0.59 0.00	22.70 -0.53 0.00	22.96 -0.49 0.00	24.41 -0.35 0.00	27.04 -0.41 0.00	33.06 -0.81 0.00	37.07 -1.19 0.00	29.94 -1.15 0.00	27.22 -0.93 0.00	25.58 -0.90 0.00	25.44 -0.92 0.00	26.11 -0.86 0.00	26.92 -0.86 0.00	28.02 -0.93 0.00	29.61 -1.07 0.00	32.97 -1.30 0.00	37.54 -1.56 0.00	40.89 -1.75 0.00	43.27 -1.90 0.00	40.46 -1.77 0.00	33.29 -1.61 0.00	30.81 -1.45 0.00	26.90 -1.33 0.00
NORTHPORT___1 23551	28.27 2.12 0.00	26.35 1.84 0.00	24.97 1.74 0.00	25.14 1.69 0.00	26.37 1.61 0.00	29.21 1.76 0.00	36.68 2.81 0.00	41.31 3.06 0.00	33.30 2.21 0.00	30.28 2.14 0.00	28.57 2.09 0.00	28.26 1.90 0.00	29.17 2.18 -0.01	29.97 2.17 -0.02	31.32 2.37 -0.01	33.37 2.67 -0.02	37.34 3.05 -0.02	43.21 3.67 -0.43	47.91 3.92 -1.36	50.39 4.24 -0.98	47.63 3.97 -1.42	39.13 3.46 -0.79	35.89 3.26 -0.36	30.31 2.09 0.00
NORTHPORT___2 23552	28.27 2.12 0.00	26.35 1.84 0.00	24.97 1.74 0.00	25.14 1.69 0.00	26.37 1.61 0.00	29.21 1.76 0.00	36.68 2.81 0.00	41.31 3.06 0.00	33.30 2.21 0.00	30.28 2.14 0.00	28.57 2.09 0.00	28.26 1.90 0.00	29.17 2.18 -0.01	29.97 2.17 -0.02	31.32 2.37 -0.01	33.37 2.67 -0.02	37.34 3.05 -0.02	43.21 3.67 -0.43	47.91 3.92 -1.36	50.39 4.24 -0.98	47.63 3.97 -1.42	39.13 3.46 -0.79	35.89 3.26 -0.36	30.31 2.09 0.00
NORTHPORT___3 23553	28.06 1.91 0.00	26.18 1.67 0.00	24.76 1.53 0.00	24.93 1.48 0.00	26.19 1.44 0.00	29.01 1.56 0.00	36.38 2.51 0.00	40.93 2.68 0.00	33.14 2.05 0.00	30.17 2.03 0.00	28.46 1.99 0.01	28.21 1.85 0.01	29.09 2.11 -0.01	29.89 2.08 -0.02	31.24 2.29 -0.01	33.28 2.58 -0.02	37.06 2.77 -0.02	42.59 3.05 -0.43	47.02 3.03 -1.36	49.40 3.25 -0.98	46.70 3.04 -1.42	38.47 2.79 -0.78	35.53 2.91 -0.36	30.14 1.92 0.00
NORTHPORT___4 23650	28.06 1.91 0.00	26.18 1.67 0.00	24.76 1.53 0.00	24.93 1.48 0.00	26.19 1.44 0.00	29.01 1.56 0.00	36.38 2.51 0.00	40.93 2.68 0.00	33.14 2.05 0.00	30.17 2.03 0.00	28.46 1.99 0.01	28.21 1.85 0.01	29.09 2.11 -0.01	29.89 2.08 -0.02	31.24 2.29 -0.01	33.28 2.58 -0.02	37.06 2.77 -0.02	42.59 3.05 -0.43	47.02 3.03 -1.36	49.40 3.25 -0.98	46.70 3.04 -1.42	38.47 2.79 -0.78	35.53 2.91 -0.36	30.14 1.92 0.00
NORTHPORT___IC 23718	28.11 1.96 0.00	26.35 1.84 0.00	24.81 1.58 0.00	24.97 1.52 0.00	26.37 1.61 0.00	29.21 1.76 0.00	36.51 2.64 0.00	41.20 2.95 0.00	33.18 2.08 0.00	30.17 2.03 0.00	28.41 1.93 0.00	28.10 1.74 0.00	29.14 2.16 -0.01	29.97 2.17 -0.02	31.24 2.29 -0.01	33.37 2.67 -0.02	37.34 3.05 -0.02	43.21 3.68 -0.43	48.00 4.01 -1.36	50.39 4.25 -0.98	47.63 3.97 -1.42	39.13 3.45 -0.79	35.95 3.32 -0.36	30.31 2.09 0.00
NORTH___COUNTRY_ESR 323785	25.52 -0.63 0.00	24.12 -0.39 0.00	22.95 -0.28 0.00	23.24 -0.21 0.00	24.68 -0.07 0.00	27.34 -0.11 0.00	33.67 -0.20 0.00	37.75 -0.50 0.00	30.56 -0.53 0.00	27.95 -0.20 0.00	26.30 -0.18 0.00	26.13 -0.24 0.00	26.79 -0.19 0.00	27.53 -0.25 0.00	28.63 -0.32 0.00	30.23 -0.46 0.00	33.59 -0.69 0.00	38.21 -0.90 0.00	41.49 -1.15 0.00	43.85 -1.31 0.00	40.97 -1.27 0.00	33.74 -1.15 0.00	31.20 -1.06 0.00	27.21 -1.01 0.00
NPX_GEN_1385_PROXY 323591	28.27 2.12 0.00	26.35 1.84 0.00	24.97 1.74 0.00	25.14 1.69 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.68 2.81 0.00	41.31 3.06 0.00	33.30 2.21 0.00	30.28 2.14 0.00	28.57 2.09 0.00	28.16 1.79 0.00	29.09 2.11 -0.01	29.86 2.06 -0.02	31.21 2.26 -0.01	33.25 2.55 -0.02	37.24 2.95 -0.02	42.77 3.52 -0.14	48.12 3.84 -1.64	50.34 4.20 -0.98	47.63 3.97 -1.42	39.17 3.49 -0.79	35.99 3.36 -0.36	30.31 2.09 0.00
NPX_GEN_CSC 323557	28.29 2.14 0.00	26.33 1.81 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.89 3.01 0.00	41.54 3.29 0.00	32.83 1.74 0.00	29.72 1.58 0.00	27.91 1.43 0.00	27.60 1.24 0.00	28.49 1.51 -0.01	29.28 1.47 -0.03	30.60 1.65 -0.01	32.64 1.93 -0.02	36.66 2.36 -0.02	42.36 3.05 -0.21	48.30 3.84 -1.83	50.48 4.20 -1.12	47.95 4.10 -1.62	39.42 3.63 -0.89	35.94 3.26 -0.42	30.00 1.78 0.00
NSINS_S___GLNS_FALLS 23858	27.77 1.62 0.00	25.96 1.45 0.00	24.58 1.35 0.00	24.76 1.31 0.00	26.22 1.46 0.00	29.07 1.62 0.00	36.04 2.17 0.00	40.66 2.41 0.00	32.80 1.71 0.00	29.64 1.49 0.00	27.83 1.35 0.00	27.69 1.32 0.00	28.70 1.73 0.00	29.53 1.75 0.00	30.82 1.88 0.00	31.85 1.17 0.00	35.68 1.41 0.00	41.02 1.92 0.00	44.77 2.13 0.00	47.51 2.35 0.00	44.35 2.11 0.00	36.57 1.67 0.00	33.88 1.61 0.00	30.06 1.83 0.00
NUCOR_STEEL___DRP 24197	26.02 -0.13 0.00	24.32 -0.20 0.00	23.09 -0.14 0.00	23.38 -0.07 0.00	24.61 -0.15 0.00	27.34 -0.11 0.00	33.84 -0.03 0.00	38.25 0.00 0.00	31.09 0.00 0.00	28.04 -0.11 0.00	26.40 -0.08 0.00	26.31 -0.05 0.00	26.84 -0.13 0.00	27.75 -0.03 0.00	28.86 -0.09 0.00	30.53 -0.15 0.00	34.10 -0.17 0.00	38.87 -0.23 0.00	42.46 -0.17 0.00	44.98 -0.18 0.00	42.15 -0.08 0.00	34.82 -0.07 0.00	32.27 0.00 0.00	28.28 0.06 0.00
NUMBER_THREE_WT_PWR 323818	25.94 -0.21 0.00	24.34 -0.17 0.00	23.07 -0.16 0.00	23.26 -0.19 0.00	24.66 -0.10 0.00	27.40 -0.05 0.00	33.67 -0.20 0.00	38.25 0.00 0.00	30.94 -0.15 0.00	27.78 -0.37 0.00	26.09 -0.40 0.00	26.00 -0.37 0.00	26.57 -0.40 0.00	27.45 -0.33 0.00	28.63 -0.32 0.00	30.41 -0.28 0.00	33.66 -0.62 0.00	38.21 -0.90 0.00	41.87 -0.77 0.00	44.17 -0.99 0.00	41.31 -0.93 0.00	33.95 -0.94 0.00	31.36 -0.90 0.00	27.41 -0.82 0.00
NYISO_LBMP_REFERENCE 24008	26.15 0.00 0.00	24.51 0.00 0.00	23.23 0.00 0.00	23.45 0.00 0.00	24.76 0.00 0.00	27.45 0.00 0.00	33.87 0.00 0.00	38.25 0.00 0.00	31.09 0.00 0.00	28.15 0.00 0.00	26.48 0.00 0.00	26.37 0.00 0.00	26.97 0.00 0.00	27.78 0.00 0.00	28.94 0.00 0.00	30.68 0.00 0.00	34.27 0.00 0.00	39.11 0.00 0.00	42.63 0.00 0.00	45.16 0.00 0.00	42.23 0.00 0.00	34.89 0.00 0.00	32.27 0.00 0.00	28.23 0.00 0.00



NYPA_BRENTWD____GT 24164	28.55 2.40 0.00	26.59 2.08 0.00	25.18 1.95 0.00	25.35 1.90 0.00	26.61 1.86 0.00	29.51 2.06 0.00	37.09 3.22 0.00	41.77 3.52 0.00	33.64 2.55 0.00	30.62 2.48 0.00	28.81 2.33 0.00	28.53 2.16 0.00	29.01 2.02 -0.02	29.85 2.03 -0.04	31.13 2.17 -0.02	33.26 2.55 -0.03	37.28 2.98 -0.03	43.37 3.64 -0.62	48.49 3.88 -1.97	50.83 4.24 -1.42	48.18 3.88 -2.06	39.45 3.42 -1.14	35.93 3.13 -0.53	30.62 2.40 0.00
NYPA_GOWANUS____GT5 24156	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
NYPA_GOWANUS____GT6 24157	28.14 1.99 -0.01	26.36 1.84 -0.01	24.90 1.67 0.00	25.04 1.60 0.00	26.47 1.71 -0.01	29.18 1.73 0.00	36.28 2.41 0.00	40.74 2.49 0.00	33.49 2.39 0.00	30.47 2.31 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.41 2.46 -0.01	33.51 2.82 -0.01	37.53 3.26 0.00	42.70 3.60 0.00	46.00 3.37 0.00	48.73 3.57 0.00	45.57 3.34 0.00	37.97 3.07 0.00	34.85 2.58 0.00	30.38 2.14 -0.01
NYPA_HARLEM_RVR_GT1 24160	27.68 1.54 0.01	25.95 1.45 0.01	24.55 1.32 0.01	24.68 1.24 0.01	26.06 1.31 0.01	28.76 1.32 0.01	35.76 1.90 0.01	40.27 2.03 0.01	33.08 1.99 0.01	30.14 2.00 0.01	28.25 1.77 0.01	28.15 1.79 0.01	28.88 1.92 0.01	29.69 1.92 0.01	31.05 2.11 0.01	33.13 2.46 0.01	37.04 2.77 0.01	42.26 3.17 0.01	45.53 2.90 0.01	48.23 3.07 0.01	45.10 2.87 0.01	37.43 2.55 0.01	34.35 2.10 0.01	29.91 1.69 0.01
NYPA_HARLEM_RVR_GT2 24161	27.68 1.54 0.01	25.95 1.45 0.01	24.55 1.32 0.01	24.68 1.24 0.01	26.06 1.31 0.01	28.76 1.32 0.01	35.76 1.90 0.01	40.27 2.03 0.01	33.08 1.99 0.01	30.14 2.00 0.01	28.25 1.77 0.01	28.15 1.79 0.01	28.88 1.92 0.01	29.69 1.92 0.01	31.05 2.11 0.01	33.13 2.46 0.01	37.04 2.77 0.01	42.26 3.17 0.01	45.53 2.90 0.01	48.23 3.07 0.01	45.10 2.87 0.01	37.43 2.55 0.01	34.35 2.10 0.01	29.91 1.69 0.01
NYPA_KENT____GT 24152	28.04 1.88 -0.01	26.29 1.77 -0.01	24.83 1.60 0.00	24.97 1.52 0.00	26.38 1.61 -0.01	29.10 1.65 0.00	36.21 2.34 0.00	40.70 2.45 0.00	33.43 2.33 0.00	30.41 2.25 -0.01	28.49 2.01 0.00	28.41 2.03 -0.01	29.17 2.18 -0.01	29.96 2.17 -0.01	31.32 2.37 -0.01	33.46 2.76 0.00	37.42 3.15 0.00	42.63 3.52 0.00	45.96 3.33 0.00	48.69 3.52 0.00	45.53 3.30 0.00	37.86 2.96 0.00	34.75 2.48 0.00	30.29 2.06 -0.01
NYPA_POUCH1____GT 24155	28.20 2.04 -0.01	26.43 1.91 -0.01	24.97 1.74 0.00	25.09 1.64 0.00	26.52 1.76 -0.01	29.21 1.76 0.00	36.31 2.44 0.00	40.66 2.41 0.00	33.46 2.36 0.00	30.41 2.25 -0.01	28.49 2.01 0.00	28.41 2.03 -0.01	29.17 2.18 -0.01	29.96 2.17 -0.01	31.35 2.40 -0.01	33.48 2.79 -0.01	37.49 3.22 0.00	42.63 3.52 0.00	45.83 3.20 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.97 3.07 0.00	34.91 2.65 0.00	30.41 2.17 -0.01
NYPA_VERNON____GT2 24162	27.93 1.78 0.00	26.18 1.67 0.00	24.74 1.51 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.01 1.56 0.00	36.07 2.20 0.00	40.59 2.33 0.00	33.33 2.24 0.00	30.35 2.20 -0.01	28.44 1.96 0.00	28.35 1.98 -0.01	29.09 2.11 -0.01	29.88 2.08 -0.01	31.27 2.32 -0.01	33.36 2.67 -0.01	37.29 3.02 0.00	42.55 3.44 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.72 2.83 0.00	34.62 2.35 0.00	30.17 1.95 0.00
NYPA_VERNON____GT3 24163	27.93 1.78 0.00	26.18 1.67 0.00	24.74 1.51 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.01 1.56 0.00	36.07 2.20 0.00	40.59 2.33 0.00	33.33 2.24 0.00	30.35 2.20 -0.01	28.44 1.96 0.00	28.35 1.98 -0.01	29.09 2.11 -0.01	29.88 2.08 -0.01	31.27 2.32 -0.01	33.36 2.67 -0.01	37.29 3.02 0.00	42.55 3.44 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.72 2.83 0.00	34.62 2.35 0.00	30.17 1.95 0.00
NYPA____ASTORIA_CC1 323568	27.90 1.75 0.00	26.15 1.64 0.00	24.72 1.49 0.00	24.85 1.41 0.00	26.24 1.49 0.00	28.99 1.54 0.00	36.04 2.17 0.00	40.55 2.30 0.00	33.30 2.21 0.00	30.32 2.17 -0.01	28.41 1.93 0.00	28.33 1.95 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.24 2.29 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.79 3.15 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.59 2.32 0.00	30.12 1.89 0.00
NYPA____ASTORIA_CC2 323569	27.90 1.75 0.00	26.15 1.64 0.00	24.72 1.49 0.00	24.85 1.41 0.00	26.24 1.49 0.00	28.99 1.54 0.00	36.04 2.17 0.00	40.55 2.30 0.00	33.30 2.21 0.00	30.32 2.17 -0.01	28.41 1.93 0.00	28.33 1.95 -0.01	29.06 2.08 -0.01	29.85 2.06 -0.01	31.24 2.29 -0.01	33.30 2.61 -0.01	37.22 2.95 0.00	42.47 3.36 0.00	45.79 3.15 0.00	48.50 3.34 0.00	45.36 3.13 0.00	37.65 2.76 0.00	34.59 2.32 0.00	30.12 1.89 0.00
NYPA____HOLTSVILL 23794	28.32 2.17 0.00	26.35 1.84 0.00	25.02 1.79 0.00	25.18 1.74 0.00	26.34 1.59 0.00	29.21 1.76 0.00	36.79 2.91 0.00	41.39 3.14 0.00	33.14 2.05 0.00	30.14 2.00 0.00	28.36 1.88 0.00	28.05 1.69 0.00	28.95 1.97 -0.01	29.75 1.94 -0.03	31.09 2.14 -0.01	33.13 2.42 -0.02	37.14 2.84 -0.02	43.11 3.52 -0.48	48.08 3.92 -1.53	50.56 4.29 -1.10	47.88 4.05 -1.59	39.34 3.56 -0.88	35.93 3.26 -0.41	30.26 2.03 0.00
NYPA____HELLGATE_GT1 24158	27.68 1.54 0.01	25.95 1.45 0.01	24.55 1.32 0.01	24.68 1.24 0.01	26.06 1.31 0.01	28.76 1.32 0.01	35.76 1.90 0.01	40.27 2.03 0.01	33.08 1.99 0.01	30.14 2.00 0.01	28.25 1.77 0.01	28.15 1.79 0.01	28.88 1.92 0.01	29.69 1.92 0.01	31.05 2.11 0.01	33.13 2.46 0.01	37.04 2.77 0.01	42.26 3.17 0.01	45.53 2.90 0.01	48.23 3.07 0.01	45.10 2.87 0.01	37.43 2.55 0.01	34.35 2.10 0.01	29.91 1.69 0.01
NYPA____HELLGATE_GT2 24159	27.68 1.54 0.01	25.95 1.45 0.01	24.55 1.32 0.01	24.68 1.24 0.01	26.06 1.31 0.01	28.76 1.32 0.01	35.76 1.90 0.01	40.27 2.03 0.01	33.08 1.99 0.01	30.14 2.00 0.01	28.25 1.77 0.01	28.15 1.79 0.01	28.88 1.92 0.01	29.69 1.92 0.01	31.05 2.11 0.01	33.13 2.46 0.01	37.04 2.77 0.01	42.26 3.17 0.01	45.53 2.90 0.01	48.23 3.07 0.01	45.10 2.87 0.01	37.43 2.55 0.01	34.35 2.10 0.01	29.91 1.69 0.01
NYS_BARGE____HYD 23848	23.85 -2.30 0.00	22.21 -2.31 0.00	21.09 -2.14 0.00	21.67 -1.78 0.00	22.70 -2.05 0.00	25.42 -2.03 0.00	30.76 -3.12 0.00	36.00 -2.26 0.00	29.44 -1.65 0.00	26.38 -1.77 0.00	25.10 -1.38 0.00	24.92 -1.45 0.00	25.06 -1.91 0.00	26.03 -1.75 0.00	26.69 -2.26 0.00	28.23 -2.46 0.00	31.67 -2.61 0.00	35.78 -3.32 0.00	39.35 -3.28 0.00	41.46 -3.70 0.00	38.94 -3.29 0.00	32.35 -2.55 0.00	30.23 -2.03 0.00	26.48 -1.75 0.00



OAK ORCHARD___HYD 24046	24.76 -1.39 0.00	23.09 -1.42 0.00	21.91 -1.32 0.00	22.42 -1.03 0.00	23.54 -1.21 0.00	26.30 -1.15 0.00	32.04 -1.83 0.00	37.14 -1.11 0.00	30.26 -0.84 0.00	27.25 -0.90 0.00	25.77 -0.71 0.00	25.68 -0.69 0.00	26.00 -0.97 0.00	27.00 -0.78 0.00	27.78 -1.16 0.00	29.40 -1.29 0.00	33.11 -1.17 0.00	37.54 -1.57 0.00	41.06 -1.58 0.00	43.40 -1.76 0.00	40.76 -1.48 0.00	33.67 -1.22 0.00	31.36 -0.90 0.00	27.43 -0.79 0.00
OAKDALE___35_KV_LOAD 356122	26.07 -0.08 0.00	24.36 -0.15 0.00	23.14 -0.09 0.00	23.40 -0.05 0.00	24.63 -0.12 0.00	27.40 -0.05 0.00	33.84 -0.03 0.00	38.33 0.08 0.00	31.22 0.12 0.00	28.15 0.00 0.00	26.56 0.08 0.00	26.42 0.05 0.00	26.89 -0.08 0.00	27.78 0.00 0.00	28.91 -0.03 0.00	30.62 -0.06 0.00	34.24 -0.03 0.00	39.03 -0.08 0.00	42.68 0.04 0.00	45.16 0.00 0.00	42.28 0.04 0.00	34.96 0.07 0.00	32.33 0.06 0.00	28.31 0.08 0.00
OCC_CHEM___DRP 24175	23.80 -2.35 0.00	21.94 -2.57 0.00	21.05 -2.18 0.00	21.46 -1.99 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	31.06 -2.81 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.09 -2.05 0.00	24.95 -1.54 0.00	24.78 -1.58 0.00	24.87 -2.10 0.00	25.81 -1.97 0.00	26.83 -2.11 0.00	27.95 -2.73 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.71 -3.92 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.78 -2.48 0.00	26.19 -2.03 0.00
OH_GEN_PROXY 24063	23.77 -2.38 0.00	22.13 -2.38 0.00	21.05 -2.18 0.00	21.60 -1.85 0.00	22.63 -2.13 0.00	25.34 -2.11 0.00	30.62 -3.25 0.00	35.84 -2.41 0.00	29.35 -1.74 0.00	26.35 -1.80 0.00	25.05 -1.43 0.00	24.89 -1.48 0.00	25.06 -1.91 0.00	26.00 -1.78 0.00	26.69 -2.26 0.00	28.20 -2.48 0.00	31.63 -2.64 0.00	35.42 -3.40 0.28	39.59 -3.33 -0.28	41.37 -3.79 0.00	38.90 -3.34 0.00	32.31 -2.58 0.00	30.20 -2.07 0.00	26.45 -1.78 0.00
OLIN_CORP_DRP 24177	23.74 -2.41 0.00	21.89 -2.62 0.00	21.00 -2.23 0.00	21.41 -2.04 0.00	22.38 -2.38 0.00	25.06 -2.39 0.00	31.03 -2.85 0.00	35.42 -2.83 0.00	29.04 -2.05 0.00	26.01 -2.14 0.00	24.87 -1.62 0.00	24.71 -1.66 0.00	24.79 -2.18 0.00	25.73 -2.06 0.00	26.74 -2.20 0.00	27.86 -2.82 0.00	31.22 -3.05 0.00	35.23 -3.87 0.00	38.63 -4.01 0.00	40.83 -4.34 0.00	38.35 -3.89 0.00	31.89 -3.00 0.00	29.72 -2.55 0.00	26.14 -2.09 0.00
OLIN_CORP_DSASP 323712	23.53 -2.61 0.00	21.94 -2.57 0.00	20.84 -2.39 0.00	21.41 -2.04 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	30.32 -3.56 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.10 -2.05 0.00	24.84 -1.64 0.00	24.68 -1.69 0.00	24.82 -2.16 0.00	25.78 -2.00 0.00	26.42 -2.52 0.00	27.92 -2.76 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.84 -3.79 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.91 -2.35 0.00	26.19 -2.03 0.00
ONEIDA_HERK_LFGE 323681	26.36 0.21 0.00	24.71 0.20 0.00	23.42 0.18 0.00	23.61 0.17 0.00	24.98 0.22 0.00	27.75 0.30 0.00	34.18 0.30 0.00	38.79 0.54 0.00	31.40 0.31 0.00	28.29 0.14 0.00	26.59 0.11 0.00	26.50 0.13 0.00	27.08 0.11 0.00	27.95 0.17 0.00	29.15 0.20 0.00	30.96 0.28 0.00	34.51 0.24 0.00	39.26 0.16 0.00	42.97 0.34 0.00	45.44 0.27 0.00	42.45 0.21 0.00	34.93 0.03 0.00	32.27 0.00 0.00	28.20 -0.03 0.00
ONEIDA___115KV_TB4 55905	26.62 0.47 0.00	24.93 0.42 0.00	23.63 0.39 0.00	23.82 0.38 0.00	25.18 0.42 0.00	27.97 0.52 0.00	34.52 0.64 0.00	39.13 0.88 0.00	31.71 0.62 0.00	28.52 0.37 0.00	26.83 0.34 0.00	26.74 0.37 0.00	27.33 0.35 0.00	28.20 0.42 0.00	29.41 0.46 0.00	31.21 0.52 0.00	34.92 0.65 0.00	39.77 0.66 0.00	43.57 0.94 0.00	46.11 0.95 0.00	43.12 0.89 0.00	35.52 0.63 0.00	32.81 0.55 0.00	28.70 0.48 0.00
ONONDAGA_REF_OCCRA 23987	25.94 -0.21 0.00	24.27 -0.25 0.00	23.00 -0.23 0.00	23.26 -0.19 0.00	24.51 -0.25 0.00	27.20 -0.25 0.00	33.63 -0.24 0.00	38.02 -0.23 0.00	30.94 -0.16 0.00	27.92 -0.23 0.00	26.30 -0.19 0.00	26.18 -0.18 0.00	26.73 -0.24 0.00	27.62 -0.17 0.00	28.74 -0.20 0.00	30.41 -0.28 0.00	33.93 -0.34 0.00	38.68 -0.43 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.90 -0.34 0.00	34.61 -0.28 0.00	32.04 -0.23 0.00	28.11 -0.11 0.00
ONONDAGA___COGEN 23986	25.94 -0.21 0.00	24.29 -0.22 0.00	23.02 -0.21 0.00	23.28 -0.16 0.00	24.53 -0.22 0.00	27.23 -0.22 0.00	33.67 -0.20 0.00	38.06 -0.19 0.00	30.94 -0.16 0.00	27.92 -0.23 0.00	26.30 -0.19 0.00	26.21 -0.16 0.00	26.76 -0.22 0.00	27.64 -0.14 0.00	28.77 -0.17 0.00	30.44 -0.25 0.00	33.96 -0.31 0.00	38.68 -0.43 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.90 -0.34 0.00	34.61 -0.28 0.00	32.04 -0.23 0.00	28.14 -0.08 0.00
ONTARIO___LFGE 23819	25.68 -0.47 0.00	24.00 -0.52 0.00	22.77 -0.46 0.00	23.14 -0.31 0.00	24.34 -0.42 0.00	27.18 -0.27 0.00	33.40 -0.47 0.00	38.21 -0.04 0.00	31.06 -0.03 0.00	27.90 -0.25 0.00	26.30 -0.18 0.00	26.18 -0.18 0.00	26.60 -0.38 0.00	27.53 -0.25 0.00	28.48 -0.46 0.00	30.19 -0.49 0.00	33.93 -0.34 0.00	38.64 -0.47 0.00	42.29 -0.34 0.00	44.76 -0.41 0.00	41.94 -0.29 0.00	34.72 -0.17 0.00	32.17 -0.10 0.00	28.17 -0.06 0.00
ORANGEVILLE_WT_PWR 323706	24.61 -1.54 0.00	22.89 -1.62 0.00	21.77 -1.46 0.00	22.25 -1.19 0.00	23.32 -1.44 0.00	26.11 -1.34 0.00	31.74 -2.13 0.00	36.68 -1.57 0.00	29.88 -1.21 0.00	26.74 -1.41 0.00	25.42 -1.06 0.00	25.23 -1.13 0.00	25.38 -1.59 0.00	26.37 -1.42 0.00	27.12 -1.82 0.00	28.69 -1.99 0.00	32.22 -2.06 0.00	36.52 -2.58 0.00	40.25 -2.39 0.00	42.41 -2.76 0.00	39.74 -2.49 0.00	32.94 -1.95 0.00	30.62 -1.64 0.00	26.90 -1.33 0.00
ORANGEVILLE___ESR 323794	24.61 -1.54 0.00	22.89 -1.62 0.00	21.77 -1.46 0.00	22.25 -1.19 0.00	23.32 -1.44 0.00	26.11 -1.34 0.00	31.74 -2.13 0.00	36.68 -1.57 0.00	29.88 -1.21 0.00	26.74 -1.41 0.00	25.42 -1.06 0.00	25.23 -1.13 0.00	25.38 -1.59 0.00	26.37 -1.42 0.00	27.12 -1.82 0.00	28.69 -1.99 0.00	32.22 -2.06 0.00	36.52 -2.58 0.00	40.25 -2.39 0.00	42.41 -2.76 0.00	39.74 -2.49 0.00	32.94 -1.95 0.00	30.62 -1.64 0.00	26.90 -1.33 0.00
OSWEGATCHIE___HYD 24044	25.31 -0.84 0.00	23.78 -0.73 0.00	22.56 -0.67 0.00	22.77 -0.68 0.00	24.16 -0.59 0.00	26.79 -0.66 0.00	32.82 -1.05 0.00	37.11 -1.15 0.00	29.98 -1.12 0.00	27.05 -1.10 0.00	25.40 -1.09 0.00	25.28 -1.08 0.00	25.89 -1.08 0.00	26.75 -1.03 0.00	27.90 -1.04 0.00	29.55 -1.13 0.00	32.83 -1.44 0.00	37.31 -1.80 0.00	40.80 -1.83 0.00	43.18 -1.99 0.00	40.33 -1.90 0.00	33.18 -1.71 0.00	30.69 -1.58 0.00	26.79 -1.44 0.00
OSWEGO___5 23606	25.52 -0.63 0.00	23.90 -0.61 0.00	22.65 -0.58 0.00	22.91 -0.54 0.00	24.14 -0.62 0.00	26.79 -0.66 0.00	32.99 -0.88 0.00	37.37 -0.88 0.00	30.41 -0.68 0.00	27.47 -0.68 0.00	25.87 -0.61 0.00	25.76 -0.61 0.00	26.33 -0.65 0.00	27.14 -0.64 0.00	28.22 -0.72 0.00	29.86 -0.83 0.00	33.31 -0.96 0.00	37.93 -1.17 0.00	41.44 -1.19 0.00	43.85 -1.31 0.00	41.05 -1.18 0.00	33.92 -0.98 0.00	31.43 -0.84 0.00	27.63 -0.59 0.00



OSWEGO___6 23613	25.52 -0.63 0.00	23.90 -0.61 0.00	22.65 -0.58 0.00	22.91 -0.54 0.00	24.14 -0.62 0.00	26.79 -0.66 0.00	32.99 -0.88 0.00	37.37 -0.88 0.00	30.41 -0.68 0.00	27.47 -0.68 0.00	25.87 -0.61 0.00	25.76 -0.61 0.00	26.33 -0.65 0.00	27.14 -0.64 0.00	28.22 -0.72 0.00	29.86 -0.83 0.00	33.31 -0.96 0.00	37.93 -1.17 0.00	41.44 -1.19 0.00	43.85 -1.31 0.00	41.05 -1.18 0.00	33.92 -0.98 0.00	31.43 -0.84 0.00	27.63 -0.59 0.00
OUTOKUMPU-AB___DRP 24206	24.32 -1.83 0.00	22.43 -2.08 0.00	21.49 -1.74 0.00	21.90 -1.55 0.00	22.90 -1.86 0.00	25.64 -1.81 0.00	31.77 -2.10 0.00	36.30 -1.95 0.00	29.76 -1.34 0.00	26.60 -1.55 0.00	25.48 -1.01 0.00	25.29 -1.08 0.00	25.33 -1.65 0.00	26.31 -1.47 0.00	27.32 -1.62 0.00	28.51 -2.18 0.00	31.91 -2.36 0.00	36.06 -3.05 0.00	39.56 -3.07 0.00	41.78 -3.39 0.00	39.24 -3.00 0.00	32.59 -2.30 0.00	30.30 -1.97 0.00	26.64 -1.58 0.00
OXBOW___BTM 323836	23.80 -2.35 0.00	22.16 -2.35 0.00	21.07 -2.16 0.00	21.62 -1.83 0.00	22.63 -2.13 0.00	25.36 -2.09 0.00	30.65 -3.22 0.00	35.88 -2.37 0.00	29.41 -1.68 0.00	26.35 -1.80 0.00	25.10 -1.38 0.00	24.92 -1.45 0.00	25.03 -1.94 0.00	26.03 -1.75 0.00	26.69 -2.26 0.00	28.20 -2.48 0.00	31.60 -2.67 0.00	35.66 -3.44 0.00	39.22 -3.41 0.00	41.28 -3.88 0.00	38.82 -3.42 0.00	32.28 -2.62 0.00	30.14 -2.13 0.00	26.39 -1.83 0.00
OXBOW____ 24026	24.06 -2.09 0.00	22.16 -2.35 0.00	21.26 -1.97 0.00	21.67 -1.78 0.00	22.63 -2.13 0.00	25.36 -2.09 0.00	31.40 -2.47 0.00	35.88 -2.37 0.00	29.41 -1.68 0.00	26.32 -1.83 0.00	25.21 -1.27 0.00	25.02 -1.34 0.00	25.09 -1.89 0.00	26.06 -1.72 0.00	27.06 -1.88 0.00	28.20 -2.49 0.00	31.60 -2.67 0.00	35.67 -3.44 0.00	39.14 -3.50 0.00	41.28 -3.88 0.00	38.81 -3.42 0.00	32.24 -2.65 0.00	30.04 -2.23 0.00	26.39 -1.83 0.00
OXY_CHEM_DSASP 323612	23.80 -2.35 0.00	21.94 -2.57 0.00	21.05 -2.18 0.00	21.46 -1.99 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	31.06 -2.81 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.09 -2.05 0.00	24.95 -1.54 0.00	24.78 -1.58 0.00	24.87 -2.10 0.00	25.81 -1.97 0.00	26.83 -2.11 0.00	27.95 -2.73 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.71 -3.92 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.78 -2.48 0.00	26.19 -2.03 0.00
OZONE_PARK_ESR 323760	27.93 1.78 0.00	26.23 1.72 0.00	24.76 1.53 0.00	24.93 1.48 0.00	26.32 1.56 0.00	29.07 1.62 0.00	36.04 2.17 0.00	40.78 2.52 0.00	33.43 2.33 0.00	30.40 2.25 0.00	28.47 1.99 0.00	28.37 2.00 0.00	29.13 2.16 0.00	29.92 2.14 0.00	31.29 2.34 0.00	33.42 2.73 0.00	37.39 3.12 0.00	42.70 3.60 0.00	46.26 3.62 0.00	48.96 3.79 0.00	45.74 3.51 0.00	37.83 2.93 0.00	34.75 2.48 0.00	30.23 2.00 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	23.80 -2.35 0.00	21.94 -2.57 0.00	21.05 -2.18 0.00	21.46 -1.99 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	31.06 -2.81 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.09 -2.05 0.00	24.95 -1.54 0.00	24.78 -1.58 0.00	24.87 -2.10 0.00	25.81 -1.97 0.00	26.83 -2.11 0.00	27.95 -2.73 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.71 -3.92 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.78 -2.48 0.00	26.19 -2.03 0.00
PACKARD__115KV_DUPONT_184 80571	23.80 -2.35 0.00	21.94 -2.57 0.00	21.05 -2.18 0.00	21.46 -1.99 0.00	22.43 -2.33 0.00	25.09 -2.36 0.00	31.06 -2.81 0.00	35.50 -2.75 0.00	29.10 -1.99 0.00	26.09 -2.05 0.00	24.95 -1.54 0.00	24.78 -1.58 0.00	24.87 -2.10 0.00	25.81 -1.97 0.00	26.83 -2.11 0.00	27.95 -2.73 0.00	31.33 -2.95 0.00	35.31 -3.79 0.00	38.71 -3.92 0.00	40.87 -4.29 0.00	38.43 -3.80 0.00	31.96 -2.93 0.00	29.78 -2.48 0.00	26.19 -2.03 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	27.74 1.60 0.00	26.03 1.52 0.00	24.58 1.35 0.00	24.74 1.29 0.00	26.14 1.39 0.00	28.88 1.43 0.00	35.73 1.86 0.00	40.40 2.14 0.00	33.15 2.05 0.00	30.20 2.05 0.01	28.26 1.77 0.00	28.15 1.79 0.01	28.91 1.94 0.01	29.72 1.94 0.01	31.05 2.11 0.01	33.16 2.49 0.01	37.08 2.81 0.00	42.31 3.21 0.00	45.66 3.03 0.00	48.32 3.16 0.00	45.19 2.96 0.00	37.51 2.62 0.00	34.46 2.19 0.00	30.00 1.78 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	27.88 1.73 0.00	26.18 1.67 0.00	24.69 1.46 0.00	24.86 1.41 0.00	26.27 1.51 0.00	29.02 1.56 0.00	35.90 2.03 0.00	40.59 2.33 0.00	33.27 2.18 0.00	30.28 2.14 0.01	28.34 1.85 0.00	28.26 1.90 0.01	28.96 2.00 0.01	29.75 1.97 0.01	31.05 2.11 0.01	33.19 2.52 0.01	37.12 2.84 0.00	42.35 3.25 0.00	45.75 3.11 0.00	48.41 3.25 0.00	45.28 3.04 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.09 1.86 0.00
PATROON__115KV_TB1 80586	26.96 0.81 0.00	25.25 0.74 0.00	23.88 0.65 0.00	24.08 0.63 0.00	25.45 0.69 0.00	28.16 0.71 0.00	34.85 0.98 0.00	39.29 1.03 0.00	31.93 0.84 0.00	28.94 0.79 0.00	27.22 0.74 0.00	27.08 0.71 0.00	27.78 0.81 0.00	28.56 0.78 0.00	29.78 0.84 0.00	31.70 1.01 0.00	35.44 1.17 0.00	40.55 1.45 0.00	44.17 1.53 0.00	46.83 1.67 0.00	43.76 1.52 0.00	36.15 1.26 0.00	33.46 1.19 0.00	29.13 0.90 0.00
PATTRSNVILLE___SOLAR 323815	28.06 1.91 0.00	26.25 1.74 0.00	24.86 1.63 0.00	25.06 1.62 0.00	26.52 1.76 0.00	29.45 2.00 0.00	36.34 2.47 0.00	40.82 2.56 0.00	32.71 1.62 0.00	29.33 1.18 0.00	27.51 1.03 0.00	27.34 0.98 0.00	28.11 1.13 0.00	29.00 1.22 0.00	30.19 1.24 0.00	31.85 1.17 0.00	35.75 1.47 0.00	40.98 1.88 0.00	44.85 2.22 0.00	47.60 2.44 0.00	44.47 2.24 0.00	36.78 1.88 0.00	33.94 1.68 0.00	29.64 1.41 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	24.48 -1.67 0.00	22.60 -1.91 0.00	21.65 -1.58 0.00	22.04 -1.41 0.00	23.00 -1.76 0.00	25.83 -1.62 0.00	31.94 -1.93 0.00	36.38 -1.87 0.00	29.85 -1.24 0.00	26.66 -1.49 0.00	25.48 -1.01 0.00	25.29 -1.08 0.00	25.33 -1.65 0.00	26.28 -1.50 0.00	27.32 -1.62 0.00	28.54 -2.15 0.00	31.98 -2.30 0.00	36.21 -2.89 0.00	39.82 -2.81 0.00	42.00 -3.16 0.00	39.40 -2.83 0.00	32.70 -2.20 0.00	30.33 -1.94 0.00	26.73 -1.50 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	27.72 1.57 0.00	25.98 1.47 0.00	24.58 1.35 0.00	24.74 1.29 0.00	26.12 1.36 0.00	28.91 1.45 0.00	35.73 1.86 0.00	40.47 2.22 0.00	33.02 1.93 0.00	29.89 1.75 0.00	28.07 1.59 0.00	27.95 1.58 0.00	28.70 1.73 0.00	29.45 1.67 0.00	30.80 1.85 0.00	32.92 2.24 0.00	36.95 2.67 0.00	42.23 3.13 0.00	45.83 3.20 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.69 2.79 0.00	34.65 2.39 0.00	29.97 1.75 0.00
PEEKSKILL____ 23653	27.53 1.38 0.00	25.79 1.27 0.00	24.46 1.23 0.00	24.62 1.17 0.00	25.97 1.21 0.00	28.74 1.29 0.00	35.67 1.79 0.00	40.20 1.95 0.00	32.86 1.77 0.00	29.84 1.69 0.00	28.02 1.54 0.00	27.90 1.53 0.00	28.62 1.65 0.00	29.39 1.61 0.00	30.74 1.80 0.00	32.77 2.09 0.00	36.71 2.43 0.00	41.96 2.85 0.00	45.53 2.90 0.00	48.28 3.11 0.00	45.11 2.87 0.00	37.34 2.44 0.00	34.33 2.07 0.00	29.80 1.58 0.00



PGE MADISON___WINDPWR 24146	27.61 1.46 0.00	25.86 1.35 0.00	24.51 1.28 0.00	24.76 1.31 0.00	26.19 1.44 0.00	29.21 1.76 0.00	35.97 2.10 0.00	41.08 2.83 0.00	33.05 1.96 0.00	29.44 1.30 0.00	27.68 1.19 0.00	27.58 1.21 0.00	28.05 1.08 0.00	29.00 1.22 0.00	30.19 1.24 0.00	32.16 1.47 0.00	36.33 2.06 0.00	41.30 2.19 0.00	45.57 2.94 0.00	48.10 2.93 0.00	44.81 2.58 0.00	36.74 1.85 0.00	33.85 1.58 0.00	29.50 1.27 0.00
PIERCEFIELD___HYD 23852	25.31 -0.84 0.00	23.83 -0.69 0.00	22.60 -0.63 0.00	22.84 -0.61 0.00	24.29 -0.47 0.00	26.90 -0.55 0.00	32.79 -1.08 0.00	36.80 -1.45 0.00	29.73 -1.37 0.00	26.97 -1.18 0.00	25.37 -1.11 0.00	25.23 -1.13 0.00	25.87 -1.11 0.00	26.73 -1.06 0.00	27.84 -1.10 0.00	29.43 -1.26 0.00	32.76 -1.51 0.00	37.31 -1.80 0.00	40.67 -1.96 0.00	43.04 -2.12 0.00	40.25 -1.99 0.00	33.15 -1.74 0.00	30.68 -1.58 0.00	26.79 -1.44 0.00
PINELAWN_CC_1 323563	28.32 2.17 0.00	26.40 1.89 0.00	24.99 1.76 0.00	25.14 1.69 0.00	26.39 1.63 0.00	29.26 1.81 0.00	36.75 2.88 0.00	41.35 3.10 0.00	33.39 2.30 0.00	30.40 2.25 0.00	28.65 2.17 0.00	28.35 1.98 0.00	29.17 2.16 -0.03	30.02 2.17 -0.07	31.32 2.34 -0.03	33.41 2.67 -0.06	37.38 3.05 -0.06	43.92 3.67 -1.14	50.09 3.88 -3.58	51.89 4.15 -2.58	49.86 3.88 -3.74	40.34 3.38 -2.06	36.38 3.16 -0.95	30.40 2.17 0.00
PJM_GEN_HTP_PROXY 323702	27.80 1.65 0.00	26.06 1.55 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.14 1.39 0.00	28.90 1.45 0.00	35.94 2.07 0.00	40.47 2.22 0.00	33.18 2.08 0.00	30.18 2.03 0.00	28.28 1.80 0.00	28.16 1.79 0.00	28.92 1.94 0.00	29.70 1.92 0.00	31.08 2.14 0.00	33.17 2.48 0.00	37.12 2.84 0.00	42.11 3.29 0.28	46.12 3.20 -0.28	48.55 3.39 0.00	45.36 3.13 0.00	37.54 2.65 0.00	34.46 2.20 0.00	30.00 1.78 0.00
PJM_GEN_KEystone 24065	26.05 -0.10 0.00	24.34 -0.17 0.00	23.14 -0.09 0.00	23.40 -0.05 0.00	24.61 -0.15 0.00	27.40 -0.05 0.00	33.67 -0.20 0.00	38.41 0.15 0.00	31.47 0.37 0.00	28.40 0.25 0.00	26.80 0.32 0.00	26.63 0.26 0.00	27.11 0.14 0.00	27.95 0.17 0.00	29.03 0.09 0.00	30.87 0.19 0.00	34.58 0.31 0.00	39.14 0.31 0.28	43.30 0.38 -0.28	45.52 0.36 0.00	42.61 0.38 0.00	35.28 0.38 0.00	32.59 0.32 0.00	28.45 0.22 0.00
PJM_GEN_NEPTUNE_PROXY 323594	28.03 1.88 0.00	26.15 1.64 0.00	24.74 1.51 0.00	24.90 1.45 0.00	26.17 1.41 0.00	28.99 1.54 0.00	36.31 2.44 0.00	40.86 2.60 0.00	33.11 2.02 0.00	30.14 2.00 0.00	28.46 1.99 0.01	28.20 1.85 0.01	29.08 2.11 0.00	29.84 2.06 0.00	31.20 2.26 0.00	33.23 2.55 0.00	37.11 2.84 0.00	42.30 3.36 0.17	46.68 3.37 -0.67	49.06 3.61 -0.28	45.98 3.34 -0.41	38.05 2.93 -0.23	35.17 2.81 -0.10	30.11 1.89 0.00
PJM_GEN_VFT_PROXY 323633	27.69 1.54 0.00	25.96 1.45 0.00	24.55 1.32 0.00	24.69 1.24 0.00	26.04 1.29 0.00	28.80 1.34 0.00	35.84 1.96 0.00	40.36 2.10 0.00	33.11 2.02 0.00	30.15 2.00 0.00	28.23 1.75 0.00	28.13 1.77 0.00	28.89 1.92 0.00	29.67 1.89 0.00	31.05 2.11 0.00	33.14 2.46 0.00	37.05 2.77 0.00	42.03 3.21 0.28	45.99 3.07 -0.28	48.42 3.25 0.00	45.23 3.00 0.00	37.44 2.55 0.00	34.39 2.13 0.00	29.92 1.69 0.00
PLATSBURG_115KV_PMLD1 355749	25.65 -0.50 0.00	24.29 -0.22 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.93 0.17 0.00	27.62 0.16 0.00	34.01 0.14 0.00	38.10 -0.15 0.00	30.81 -0.28 0.00	28.49 0.34 0.00	26.80 0.32 0.00	26.63 0.26 0.00	27.30 0.32 0.00	28.06 0.28 0.00	29.15 0.20 0.00	30.78 0.09 0.00	34.27 0.00 0.00	38.95 -0.16 0.00	42.34 -0.30 0.00	44.30 -0.86 0.00	41.39 -0.84 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.49 -0.73 0.00
PLEASANTVLY___LBMP 24000	27.43 1.28 0.00	25.74 1.23 0.00	24.35 1.12 0.00	24.50 1.06 0.00	25.87 1.11 0.00	28.63 1.18 0.00	35.43 1.56 0.00	40.05 1.80 0.00	32.68 1.59 0.00	29.64 1.49 0.00	27.83 1.35 0.00	27.71 1.34 0.00	28.43 1.46 0.00	29.20 1.42 0.00	30.48 1.53 0.00	32.53 1.84 0.00	36.43 2.16 0.00	41.65 2.54 0.00	45.28 2.64 0.00	47.96 2.80 0.00	44.85 2.62 0.00	37.09 2.20 0.00	34.17 1.90 0.00	29.66 1.44 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	27.64 1.49 0.00	25.93 1.42 0.00	24.48 1.25 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.80 1.35 0.00	35.67 1.80 0.00	40.32 2.07 0.00	32.96 1.87 0.00	29.92 1.77 0.00	28.07 1.59 0.00	27.95 1.58 0.00	28.70 1.73 0.00	29.48 1.69 0.00	30.80 1.85 0.00	32.86 2.18 0.00	36.81 2.54 0.00	42.08 2.97 0.00	45.70 3.07 0.00	48.37 3.21 0.00	45.19 2.96 0.00	37.41 2.51 0.00	34.43 2.16 0.00	29.89 1.67 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	27.64 1.49 0.00	25.93 1.42 0.00	24.48 1.25 0.00	24.67 1.22 0.00	26.04 1.29 0.00	28.80 1.35 0.00	35.67 1.80 0.00	40.32 2.07 0.00	32.96 1.87 0.00	29.92 1.77 0.00	28.07 1.59 0.00	27.95 1.58 0.00	28.70 1.73 0.00	29.48 1.69 0.00	30.80 1.85 0.00	32.86 2.18 0.00	36.81 2.54 0.00	42.08 2.97 0.00	45.70 3.07 0.00	48.37 3.21 0.00	45.19 2.96 0.00	37.41 2.51 0.00	34.43 2.16 0.00	29.89 1.67 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	27.59 1.44 0.00	25.86 1.35 0.00	24.46 1.23 0.00	24.62 1.17 0.00	26.00 1.24 0.00	28.80 1.35 0.00	35.60 1.73 0.00	40.24 1.99 0.00	32.77 1.68 0.00	29.67 1.52 0.00	27.86 1.38 0.00	27.76 1.40 0.00	28.46 1.48 0.00	29.23 1.44 0.00	30.53 1.59 0.00	32.62 1.93 0.00	36.57 2.30 0.00	41.84 2.74 0.00	45.49 2.86 0.00	48.28 3.12 0.00	45.15 2.91 0.00	37.34 2.44 0.00	34.40 2.13 0.00	29.86 1.64 0.00
POLETTI___ 23519	27.72 1.57 0.00	26.06 1.54 0.00	24.60 1.37 0.00	24.76 1.31 0.00	26.14 1.39 0.00	28.88 1.43 0.00	35.73 1.86 0.00	40.40 2.14 0.00	33.11 2.02 0.00	30.15 2.00 0.00	28.23 1.75 0.00	28.13 1.77 0.00	28.89 1.92 0.00	29.67 1.89 0.00	31.00 2.05 0.00	33.14 2.45 0.00	37.05 2.78 0.00	42.31 3.21 0.00	45.79 3.15 0.00	48.46 3.30 0.00	45.32 3.08 0.00	37.51 2.62 0.00	34.46 2.19 0.00	29.97 1.75 0.00
POMONA___ESR 323819	27.53 1.38 0.00	25.79 1.27 0.00	24.46 1.23 0.00	24.60 1.15 0.00	25.95 1.19 0.00	28.74 1.29 0.00	35.67 1.79 0.00	40.24 1.99 0.00	32.90 1.80 0.00	29.84 1.69 0.00	28.02 1.54 0.00	27.90 1.53 0.00	28.62 1.65 0.00	29.39 1.61 0.00	30.74 1.80 0.00	32.77 2.09 0.00	36.67 2.40 0.00	41.96 2.85 0.00	45.53 2.90 0.00	48.28 3.11 0.00	45.15 2.91 0.00	37.34 2.44 0.00	34.33 2.07 0.00	29.83 1.61 0.00
PORT_JEFF_3 23555	28.40 2.25 0.00	26.42 1.91 0.00	25.09 1.86 0.00	25.25 1.81 0.00	26.42 1.66 0.00	29.29 1.84 0.00	36.89 3.01 0.00	41.54 3.29 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.44 1.96 0.00	28.13 1.77 0.00	29.03 2.05 -0.01	29.84 2.03 -0.03	31.18 2.23 -0.01	33.25 2.55 -0.02	37.27 2.98 -0.02	43.27 3.67 -0.49	48.29 4.09 -1.56	50.76 4.47 -1.13	48.13 4.26 -1.63	39.49 3.70 -0.90	36.07 3.39 -0.42	30.34 2.12 0.00



PORT_JEFF_4 23616	28.40 2.25 0.00	26.42 1.91 0.00	25.09 1.86 0.00	25.25 1.81 0.00	26.42 1.66 0.00	29.29 1.84 0.00	36.89 3.01 0.00	41.54 3.29 0.00	33.27 2.18 0.00	30.23 2.08 0.00	28.44 1.96 0.00	28.13 1.77 0.00	29.03 2.05 -0.01	29.84 2.03 -0.03	31.18 2.23 -0.01	33.25 2.55 -0.02	37.27 2.98 -0.02	43.27 3.67 -0.49	48.29 4.09 -1.56	50.76 4.47 -1.13	48.13 4.26 -1.63	39.49 3.70 -0.90	36.07 3.39 -0.42	30.34 2.12 0.00
PORT_JEFF_IC 23713	28.19 2.04 0.00	26.45 1.94 0.00	24.90 1.67 0.00	25.07 1.62 0.00	26.44 1.68 0.00	29.32 1.87 0.00	36.75 2.88 0.00	41.47 3.21 0.00	33.18 2.08 0.00	30.12 1.97 0.00	28.31 1.83 0.00	28.00 1.63 0.00	29.04 2.05 -0.01	29.87 2.06 -0.03	31.15 2.20 -0.01	33.26 2.55 -0.02	37.31 3.02 -0.02	43.33 3.72 -0.51	48.65 4.39 -1.63	50.90 4.56 -1.17	48.20 4.27 -1.70	39.57 3.73 -0.94	36.25 3.55 -0.44	30.37 2.15 0.00
PPL_PILGRIM_ST_GT1 24216	28.55 2.40 0.00	26.59 2.08 0.00	25.18 1.95 0.00	25.35 1.90 0.00	26.61 1.86 0.00	29.51 2.06 0.00	37.09 3.22 0.00	41.77 3.52 0.00	33.64 2.55 0.00	30.62 2.48 0.00	28.81 2.33 0.00	28.53 2.16 0.00	29.01 2.02 -0.02	29.85 2.03 -0.04	31.13 2.17 -0.02	33.26 2.55 -0.03	37.28 2.98 -0.03	43.37 3.64 -0.62	48.49 3.88 -1.97	50.83 4.24 -1.42	48.18 3.88 -2.06	39.45 3.42 -1.14	35.93 3.13 -0.53	30.62 2.40 0.00
PPL_PILGRIM_ST_GT2 24217	28.55 2.40 0.00	26.59 2.08 0.00	25.18 1.95 0.00	25.35 1.90 0.00	26.61 1.86 0.00	29.51 2.06 0.00	37.09 3.22 0.00	41.77 3.52 0.00	33.64 2.55 0.00	30.62 2.48 0.00	28.81 2.33 0.00	28.53 2.16 0.00	29.01 2.02 -0.02	29.85 2.03 -0.04	31.13 2.17 -0.02	33.26 2.55 -0.03	37.28 2.98 -0.03	43.37 3.64 -0.62	48.49 3.88 -1.97	50.83 4.24 -1.42	48.18 3.88 -2.06	39.45 3.42 -1.14	35.93 3.13 -0.53	30.62 2.40 0.00
PPL_SHRM_GT3 24213	28.32 2.17 0.00	26.33 1.81 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.32 1.56 0.00	29.18 1.73 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.83 1.74 0.00	29.72 1.58 0.00	27.91 1.43 0.00	27.60 1.24 0.00	28.52 1.54 -0.01	29.31 1.50 -0.03	30.63 1.68 -0.01	32.67 1.97 -0.02	36.69 2.40 -0.02	42.69 3.09 -0.50	48.10 3.88 -1.58	50.60 4.29 -1.14	48.03 4.14 -1.66	39.47 3.66 -0.91	35.99 3.29 -0.43	30.03 1.81 0.00
PPL_SHRM_GT4 24214	28.32 2.17 0.00	26.33 1.81 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.32 1.56 0.00	29.18 1.73 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.83 1.74 0.00	29.72 1.58 0.00	27.91 1.43 0.00	27.60 1.24 0.00	28.52 1.54 -0.01	29.31 1.50 -0.03	30.63 1.68 -0.01	32.67 1.97 -0.02	36.69 2.40 -0.02	42.69 3.09 -0.50	48.10 3.88 -1.58	50.60 4.29 -1.14	48.03 4.14 -1.66	39.47 3.66 -0.91	35.99 3.29 -0.43	30.03 1.81 0.00
PROJECT___ORANGE 1 24174	25.86 -0.29 0.00	24.19 -0.32 0.00	22.93 -0.30 0.00	23.19 -0.26 0.00	24.44 -0.32 0.00	27.12 -0.33 0.00	33.53 -0.34 0.00	37.91 -0.34 0.00	30.84 -0.25 0.00	27.87 -0.28 0.00	26.22 -0.26 0.00	26.13 -0.24 0.00	26.70 -0.27 0.00	27.56 -0.22 0.00	28.68 -0.26 0.00	30.35 -0.34 0.00	33.83 -0.45 0.00	38.52 -0.59 0.00	42.04 -0.60 0.00	44.53 -0.63 0.00	41.69 -0.55 0.00	34.48 -0.42 0.00	31.91 -0.35 0.00	28.03 -0.20 0.00
PROJECT___ORANGE 2 24166	25.86 -0.29 0.00	24.19 -0.32 0.00	22.93 -0.30 0.00	23.19 -0.26 0.00	24.44 -0.32 0.00	27.12 -0.33 0.00	33.53 -0.34 0.00	37.91 -0.34 0.00	30.84 -0.25 0.00	27.87 -0.28 0.00	26.22 -0.26 0.00	26.13 -0.24 0.00	26.70 -0.27 0.00	27.56 -0.22 0.00	28.68 -0.26 0.00	30.35 -0.34 0.00	33.83 -0.45 0.00	38.52 -0.59 0.00	42.04 -0.60 0.00	44.53 -0.63 0.00	41.69 -0.55 0.00	34.48 -0.42 0.00	31.91 -0.35 0.00	28.03 -0.20 0.00
PUCKETT___SOLAR 323809	26.46 0.31 0.00	24.76 0.25 0.00	23.49 0.26 0.00	23.75 0.30 0.00	25.03 0.27 0.00	27.89 0.44 0.00	34.35 0.47 0.00	39.06 0.80 0.00	31.65 0.56 0.00	28.43 0.28 0.00	26.72 0.24 0.00	26.58 0.21 0.00	27.08 0.11 0.00	27.98 0.20 0.00	29.09 0.15 0.00	30.93 0.24 0.00	34.69 0.41 0.00	39.58 0.47 0.00	43.44 0.81 0.00	45.98 0.81 0.00	43.00 0.76 0.00	35.49 0.59 0.00	32.81 0.55 0.00	28.68 0.45 0.00
PYRITES___HYD 24023	25.81 -0.34 0.00	24.29 -0.22 0.00	23.04 -0.19 0.00	23.28 -0.16 0.00	24.76 0.00 0.00	27.42 -0.03 0.00	33.50 -0.37 0.00	37.60 -0.65 0.00	30.22 -0.87 0.00	27.36 -0.79 0.00	25.71 -0.77 0.00	25.58 -0.79 0.00	26.22 -0.76 0.00	27.06 -0.72 0.00	28.19 -0.75 0.00	29.86 -0.83 0.00	33.35 -0.93 0.00	38.01 -1.09 0.00	41.61 -1.02 0.00	44.08 -1.08 0.00	41.22 -1.01 0.00	33.92 -0.98 0.00	31.39 -0.87 0.00	27.41 -0.82 0.00
QUAKERRD_115KV_BK1 80622	24.55 -1.60 0.00	22.77 -1.74 0.00	21.72 -1.51 0.00	22.09 -1.36 0.00	23.20 -1.56 0.00	25.89 -1.56 0.00	32.04 -1.83 0.00	36.49 -1.76 0.00	29.76 -1.34 0.00	26.77 -1.38 0.00	25.37 -1.11 0.00	25.31 -1.05 0.00	25.63 -1.35 0.00	26.59 -1.19 0.00	27.58 -1.36 0.00	28.97 -1.72 0.00	32.59 -1.68 0.00	36.99 -2.11 0.00	40.42 -2.22 0.00	42.77 -2.39 0.00	40.12 -2.11 0.00	33.15 -1.74 0.00	30.78 -1.48 0.00	27.01 -1.21 0.00
QUENSBRY_115KV_TB8 356137	27.80 1.65 0.00	25.98 1.47 0.00	24.60 1.37 0.00	24.78 1.34 0.00	26.24 1.49 0.00	29.10 1.65 0.00	36.11 2.24 0.00	40.74 2.49 0.00	32.83 1.74 0.00	29.67 1.52 0.00	27.89 1.40 0.00	27.74 1.37 0.00	28.75 1.78 0.00	29.59 1.81 0.00	30.91 1.97 0.00	31.85 1.17 0.00	35.68 1.41 0.00	41.02 1.92 0.00	44.77 2.13 0.00	47.51 2.35 0.00	44.30 2.07 0.00	36.57 1.67 0.00	33.85 1.58 0.00	30.09 1.86 0.00
RAMAPO___LBMP 323565	27.40 1.26 0.00	25.71 1.20 0.00	24.37 1.14 0.00	24.53 1.08 0.00	25.87 1.11 0.00	28.66 1.21 0.00	35.40 1.52 0.00	40.09 1.84 0.00	32.77 1.68 0.00	29.75 1.60 0.00	27.91 1.43 0.00	27.79 1.42 0.00	28.51 1.54 0.00	29.28 1.50 0.00	30.56 1.62 0.00	32.65 1.96 0.00	36.53 2.26 0.00	41.80 2.70 0.00	45.41 2.77 0.00	48.10 2.94 0.00	44.94 2.70 0.00	37.20 2.30 0.00	34.23 1.97 0.00	29.75 1.52 0.00
RANKINE____ 23646	24.53 -1.62 0.00	22.62 -1.89 0.00	21.67 -1.56 0.00	22.06 -1.38 0.00	23.05 -1.71 0.00	25.86 -1.59 0.00	32.01 -1.86 0.00	36.49 -1.76 0.00	29.91 -1.18 0.00	26.74 -1.41 0.00	25.61 -0.87 0.00	25.39 -0.98 0.00	25.44 -1.54 0.00	26.42 -1.36 0.00	27.47 -1.48 0.00	28.66 -2.03 0.00	32.11 -2.16 0.00	36.33 -2.78 0.00	39.86 -2.77 0.00	42.09 -3.07 0.00	39.49 -2.75 0.00	32.80 -2.09 0.00	30.46 -1.81 0.00	26.79 -1.44 0.00
RAVENSWOOD_GT2_1 24244	27.77 1.62 0.00	26.06 1.54 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.16 1.79 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.17 2.49 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00



RAVENSWOOD_GT2_2 24245	27.77 1.62 0.00	26.06 1.54 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.16 1.79 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.17 2.49 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00
RAVENSWOOD_GT2_3 24246	27.77 1.62 0.00	26.08 1.57 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.93 1.48 0.00	35.84 1.96 0.00	40.51 2.26 0.00	33.21 2.11 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.19 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.92 3.28 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.06 1.83 0.00
RAVENSWOOD_GT2_4 24247	27.77 1.62 0.00	26.08 1.57 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.93 1.48 0.00	35.84 1.96 0.00	40.51 2.26 0.00	33.21 2.11 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.19 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.20 2.52 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.92 3.28 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.06 1.83 0.00
RAVENSWOOD_GT3_1 24248	27.77 1.62 0.00	26.08 1.57 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.93 1.48 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.19 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.17 2.49 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00
RAVENSWOOD_GT3_2 24249	27.77 1.62 0.00	26.08 1.57 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.93 1.48 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.20 2.05 0.00	28.28 1.80 0.00	28.19 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.17 2.49 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00
RAVENSWOOD_GT3_3 24250	27.80 1.65 0.00	26.10 1.59 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.96 1.51 0.00	35.87 2.00 0.00	40.55 2.30 0.00	33.24 2.15 0.00	30.23 2.08 0.00	28.31 1.83 0.00	28.21 1.85 0.00	28.97 2.00 0.00	29.75 1.97 0.00	31.08 2.14 0.00	33.23 2.55 0.00	37.15 2.88 0.00	42.43 3.32 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.59 2.32 0.00	30.06 1.83 0.00
RAVENSWOOD_GT3_4 24251	27.80 1.65 0.00	26.10 1.59 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.19 1.44 0.00	28.96 1.51 0.00	35.87 2.00 0.00	40.55 2.30 0.00	33.24 2.15 0.00	30.23 2.08 0.00	28.31 1.83 0.00	28.21 1.85 0.00	28.97 2.00 0.00	29.75 1.97 0.00	31.08 2.14 0.00	33.23 2.55 0.00	37.15 2.88 0.00	42.43 3.32 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.62 2.72 0.00	34.59 2.32 0.00	30.06 1.83 0.00
RAVENSWOOD_GT_1 23729	27.90 1.75 0.00	26.18 1.67 0.00	24.72 1.49 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.02 1.56 0.00	35.94 2.07 0.00	40.62 2.37 0.00	33.33 2.24 0.00	30.35 2.20 -0.01	28.42 1.93 0.00	28.33 1.95 -0.01	29.09 2.10 -0.01	29.87 2.08 -0.01	31.21 2.26 -0.01	33.33 2.64 -0.01	37.29 3.02 0.00	42.55 3.44 0.00	45.96 3.33 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.72 2.83 0.00	34.65 2.39 0.00	30.17 1.95 0.00
RAVENSWOOD_GT_10 24258	27.77 1.62 0.00	26.06 1.54 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.18 2.03 0.00	28.28 1.80 0.00	28.16 1.79 0.00	28.92 1.94 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.17 2.49 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00
RAVENSWOOD_GT_11 24259	27.77 1.62 0.00	26.06 1.54 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.18 2.03 0.00	28.28 1.80 0.00	28.16 1.79 0.00	28.92 1.94 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.17 2.49 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00
RAVENSWOOD_GT_4 24252	27.74 1.60 0.00	26.03 1.52 0.00	24.60 1.37 0.00	24.76 1.31 0.00	26.14 1.39 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.47 2.22 0.00	33.15 2.05 0.00	30.15 2.00 -0.01	28.26 1.77 0.00	28.14 1.77 -0.01	28.90 1.92 -0.01	29.71 1.92 -0.01	31.03 2.08 -0.01	33.15 2.45 -0.01	37.08 2.81 0.00	42.35 3.25 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.55 2.65 0.00	34.52 2.26 0.00	30.00 1.78 0.00
RAVENSWOOD_GT_5 24254	27.74 1.60 0.00	26.03 1.52 0.00	24.60 1.37 0.00	24.76 1.31 0.00	26.14 1.39 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.47 2.22 0.00	33.15 2.05 0.00	30.15 2.00 -0.01	28.26 1.77 0.00	28.14 1.77 -0.01	28.90 1.92 -0.01	29.71 1.92 -0.01	31.03 2.08 -0.01	33.15 2.45 -0.01	37.08 2.81 0.00	42.35 3.25 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.55 2.65 0.00	34.52 2.26 0.00	30.00 1.78 0.00
RAVENSWOOD_GT_6 24253	27.74 1.60 0.00	26.03 1.52 0.00	24.60 1.37 0.00	24.76 1.31 0.00	26.14 1.39 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.47 2.22 0.00	33.15 2.05 0.00	30.15 2.00 -0.01	28.26 1.77 0.00	28.14 1.77 -0.01	28.90 1.92 -0.01	29.71 1.92 -0.01	31.03 2.08 -0.01	33.15 2.45 -0.01	37.08 2.81 0.00	42.35 3.25 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.55 2.65 0.00	34.52 2.26 0.00	30.00 1.78 0.00
RAVENSWOOD_GT_7 24255	27.74 1.60 0.00	26.03 1.52 0.00	24.60 1.37 0.00	24.76 1.31 0.00	26.14 1.39 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.47 2.22 0.00	33.15 2.05 0.00	30.15 2.00 -0.01	28.26 1.77 0.00	28.14 1.77 -0.01	28.90 1.92 -0.01	29.71 1.92 -0.01	31.03 2.08 -0.01	33.15 2.45 -0.01	37.08 2.81 0.00	42.35 3.25 0.00	45.87 3.24 0.00	48.55 3.39 0.00	45.40 3.17 0.00	37.55 2.65 0.00	34.52 2.26 0.00	30.00 1.78 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	27.77 1.62 0.00	26.06 1.54 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.18 2.03 0.00	28.28 1.80 0.00	28.16 1.79 0.00	28.92 1.94 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.17 2.49 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00



RAVENSWOOD_GT_9 24257	27.77 1.62 0.00	26.06 1.54 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.18 2.08 0.00	30.18 2.03 0.00	28.28 1.80 0.00	28.16 1.79 0.00	28.92 1.94 0.00	29.73 1.94 0.00	31.06 2.11 0.00	33.17 2.49 0.00	37.12 2.84 0.00	42.39 3.28 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00
RAVENSWOOD___1 23533	27.93 1.78 0.00	26.18 1.67 0.00	24.74 1.51 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.01 1.56 0.00	36.07 2.20 0.00	40.59 2.33 0.00	33.33 2.24 0.00	30.35 2.20 -0.01	28.44 1.96 0.00	28.35 1.98 -0.01	29.09 2.11 -0.01	29.88 2.08 -0.01	31.27 2.32 -0.01	33.36 2.67 -0.01	37.29 3.02 0.00	42.55 3.44 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.72 2.83 0.00	34.62 2.35 0.00	30.17 1.95 0.00
RAVENSWOOD___2 23534	27.93 1.78 0.00	26.18 1.67 0.00	24.74 1.51 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.01 1.56 0.00	36.07 2.20 0.00	40.59 2.33 0.00	33.33 2.24 0.00	30.35 2.20 -0.01	28.44 1.96 0.00	28.35 1.98 -0.01	29.09 2.11 -0.01	29.88 2.08 -0.01	31.27 2.32 -0.01	33.36 2.67 -0.01	37.29 3.02 0.00	42.55 3.44 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.72 2.83 0.00	34.62 2.35 0.00	30.17 1.95 0.00
RAVENSWOOD___3 23535	27.82 1.68 0.00	26.08 1.57 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.17 1.41 0.00	28.93 1.48 0.00	35.97 2.10 0.00	40.51 2.26 0.00	33.21 2.12 0.00	30.20 2.05 0.00	28.31 1.83 0.00	28.18 1.82 0.00	28.94 1.97 0.00	29.73 1.94 0.00	31.11 2.17 0.00	33.17 2.48 0.00	37.12 2.84 0.00	42.39 3.29 0.00	45.83 3.20 0.00	48.59 3.43 0.00	45.40 3.17 0.00	37.58 2.69 0.00	34.52 2.26 0.00	30.03 1.81 0.00
RAVENSWOOD___4 23820	27.93 1.78 0.00	26.18 1.67 0.00	24.74 1.51 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.01 1.56 0.00	36.07 2.20 0.00	40.59 2.33 0.00	33.33 2.24 0.00	30.35 2.20 -0.01	28.44 1.96 0.00	28.35 1.98 -0.01	29.09 2.11 -0.01	29.88 2.08 -0.01	31.27 2.32 -0.01	33.36 2.67 -0.01	37.29 3.02 0.00	42.55 3.44 0.00	45.87 3.24 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.72 2.83 0.00	34.62 2.35 0.00	30.17 1.95 0.00
RCPL_TRUST___DRP 24196	27.88 1.73 0.00	26.15 1.64 0.00	24.69 1.46 0.00	24.86 1.41 0.00	26.27 1.51 0.00	29.04 1.59 0.00	36.01 2.13 0.00	40.74 2.49 0.00	33.39 2.30 0.00	30.40 2.25 0.00	28.44 1.96 0.00	28.34 1.98 0.00	29.13 2.16 0.00	29.92 2.14 0.00	31.26 2.32 0.00	33.42 2.73 0.00	37.36 3.08 0.00	42.67 3.56 0.00	46.17 3.54 0.00	48.87 3.70 0.00	45.66 3.42 0.00	37.72 2.83 0.00	34.65 2.39 0.00	30.14 1.92 0.00
RED___ROCHESTER 323720	24.89 -1.25 0.00	23.21 -1.30 0.00	22.02 -1.21 0.00	22.53 -0.91 0.00	23.69 -1.06 0.00	26.46 -0.99 0.00	32.21 -1.66 0.00	37.37 -0.88 0.00	30.44 -0.65 0.00	27.39 -0.76 0.00	25.93 -0.56 0.00	25.87 -0.50 0.00	26.19 -0.78 0.00	27.20 -0.58 0.00	27.96 -0.98 0.00	29.61 -1.07 0.00	33.35 -0.92 0.00	37.82 -1.29 0.00	41.36 -1.28 0.00	43.72 -1.45 0.00	41.05 -1.18 0.00	33.88 -1.01 0.00	31.56 -0.71 0.00	27.60 -0.62 0.00
REGAN___SOLAR 323812	28.50 2.35 0.00	26.64 2.13 0.00	25.20 1.97 0.00	25.44 1.99 0.00	26.94 2.18 0.00	29.92 2.47 0.00	36.95 3.08 0.00	41.54 3.29 0.00	33.24 2.14 0.00	29.89 1.75 0.00	28.02 1.54 0.00	27.87 1.50 0.00	28.67 1.70 0.00	29.53 1.75 0.00	30.80 1.85 0.00	32.68 1.99 0.00	36.74 2.47 0.00	42.31 3.21 0.00	46.43 3.79 0.00	49.31 4.15 0.00	46.04 3.80 0.00	38.04 3.14 0.00	35.11 2.84 0.00	30.60 2.37 0.00
RENSSELAER___COGEN 23796	26.88 0.73 0.00	25.17 0.66 0.00	23.83 0.60 0.00	24.01 0.56 0.00	25.35 0.59 0.00	28.08 0.63 0.00	34.79 0.91 0.00	39.13 0.88 0.00	31.81 0.72 0.00	28.82 0.67 0.00	27.09 0.61 0.00	26.97 0.61 0.00	27.65 0.67 0.00	28.42 0.64 0.00	29.67 0.72 0.00	31.54 0.86 0.00	35.27 0.99 0.00	40.36 1.25 0.00	44.00 1.36 0.00	46.65 1.49 0.00	43.59 1.35 0.00	36.04 1.15 0.00	33.36 1.10 0.00	29.01 0.79 0.00
REPUBLIC_115KV_BARTNBRK 55605	28.69 2.54 0.00	26.82 2.30 0.00	25.37 2.14 0.00	25.58 2.13 0.00	27.11 2.35 0.00	30.09 2.64 0.00	37.36 3.49 0.00	42.12 3.86 0.00	33.80 2.71 0.00	30.46 2.31 0.00	28.57 2.09 0.00	28.45 2.08 0.00	29.48 2.51 0.00	30.34 2.56 0.00	31.72 2.78 0.00	32.86 2.18 0.00	36.84 2.57 0.00	42.55 3.44 0.00	46.51 3.88 0.00	49.36 4.20 0.00	45.99 3.76 0.00	37.89 3.00 0.00	35.11 2.84 0.00	31.10 2.88 0.00
REVERE_CPPR_DRP 24186	26.75 0.60 0.00	25.05 0.54 0.00	23.74 0.51 0.00	23.94 0.49 0.00	25.33 0.57 0.00	28.14 0.69 0.00	34.68 0.81 0.00	39.36 1.11 0.00	31.87 0.78 0.00	28.63 0.48 0.00	26.93 0.45 0.00	26.84 0.47 0.00	27.43 0.46 0.00	28.34 0.56 0.00	29.55 0.61 0.00	31.39 0.71 0.00	35.13 0.86 0.00	39.97 0.86 0.00	43.79 1.15 0.00	46.34 1.17 0.00	43.29 1.06 0.00	35.63 0.73 0.00	32.91 0.65 0.00	28.76 0.54 0.00
REYNOLDS_115KV_TB3 80639	27.09 0.94 0.00	25.37 0.86 0.00	24.02 0.79 0.00	24.20 0.75 0.00	25.55 0.79 0.00	28.30 0.85 0.00	35.06 1.19 0.00	39.55 1.30 0.00	32.12 1.03 0.00	29.08 0.93 0.00	27.36 0.87 0.00	27.21 0.84 0.00	27.89 0.92 0.00	28.67 0.89 0.00	29.87 0.93 0.00	31.79 1.10 0.00	35.61 1.34 0.00	40.75 1.64 0.00	44.42 1.79 0.00	47.10 1.94 0.00	44.05 1.82 0.00	36.39 1.50 0.00	33.65 1.39 0.00	29.27 1.04 0.00
RIVERBAY____ 323610	27.88 1.73 0.00	26.18 1.67 0.00	24.69 1.46 0.00	24.86 1.41 0.00	26.27 1.51 0.00	29.02 1.56 0.00	35.90 2.03 0.00	40.59 2.33 0.00	33.27 2.18 0.00	30.28 2.14 0.01	28.34 1.85 0.00	28.26 1.90 0.01	28.96 2.00 0.01	29.75 1.97 0.01	31.05 2.11 0.01	33.19 2.52 0.01	37.12 2.84 0.00	42.35 3.25 0.00	45.75 3.11 0.00	48.41 3.25 0.00	45.28 3.04 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.09 1.86 0.00
RIVERSDE_115KV_TB3 55908	26.99 0.84 0.00	25.27 0.76 0.00	23.93 0.70 0.00	24.10 0.66 0.00	25.48 0.72 0.00	28.19 0.74 0.00	34.89 1.02 0.00	39.36 1.11 0.00	31.96 0.87 0.00	28.97 0.82 0.00	27.25 0.77 0.00	27.11 0.74 0.00	27.78 0.81 0.00	28.59 0.81 0.00	29.78 0.84 0.00	31.70 1.01 0.00	35.47 1.20 0.00	40.59 1.49 0.00	44.25 1.62 0.00	46.92 1.76 0.00	43.84 1.60 0.00	36.22 1.33 0.00	33.52 1.26 0.00	29.16 0.93 0.00
ROARING___BROOK_WT_PWR 323790	25.86 -0.29 0.00	24.31 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.63 -0.12 0.00	27.31 -0.14 0.00	33.67 -0.20 0.00	37.91 -0.34 0.00	30.78 -0.31 0.00	27.92 -0.23 0.00	26.27 -0.21 0.00	26.13 -0.24 0.00	26.76 -0.22 0.00	27.53 -0.25 0.00	28.65 -0.29 0.00	30.35 -0.34 0.00	33.83 -0.45 0.00	38.56 -0.55 0.00	42.00 -0.64 0.00	44.39 -0.77 0.00	41.43 -0.80 0.00	34.09 -0.80 0.00	31.40 -0.87 0.00	27.38 -0.85 0.00



ROCHESRG_115KV_T4 355643	24.84 -1.31 0.00	23.02 -1.50 0.00	21.98 -1.25 0.00	22.37 -1.08 0.00	23.47 -1.29 0.00	26.22 -1.24 0.00	32.42 -1.46 0.00	36.99 -1.26 0.00	30.16 -0.93 0.00	27.14 -1.01 0.00	25.77 -0.72 0.00	25.68 -0.69 0.00	25.95 -1.03 0.00	26.92 -0.86 0.00	27.96 -0.98 0.00	29.30 -1.38 0.00	32.97 -1.30 0.00	37.39 -1.72 0.00	40.84 -1.79 0.00	43.27 -1.90 0.00	40.59 -1.65 0.00	33.53 -1.36 0.00	31.17 -1.10 0.00	27.35 -0.87 0.00
ROCHESTER_9_IC 23652	24.97 -1.18 0.00	23.11 -1.40 0.00	22.07 -1.16 0.00	22.46 -0.98 0.00	23.59 -1.16 0.00	26.35 -1.10 0.00	32.62 -1.25 0.00	37.18 -1.07 0.00	30.32 -0.78 0.00	27.28 -0.87 0.00	25.90 -0.58 0.00	25.81 -0.55 0.00	26.08 -0.89 0.00	27.09 -0.69 0.00	28.10 -0.84 0.00	29.49 -1.20 0.00	33.18 -1.10 0.00	37.58 -1.53 0.00	41.06 -1.58 0.00	43.49 -1.67 0.00	40.84 -1.39 0.00	33.74 -1.15 0.00	31.33 -0.94 0.00	27.46 -0.76 0.00
ROCKVIEW_13_KV_LD 356306	27.74 1.60 0.00	26.03 1.52 0.00	24.58 1.35 0.00	24.76 1.31 0.00	26.12 1.36 0.00	28.91 1.45 0.00	35.80 1.93 0.00	40.51 2.26 0.00	33.11 2.02 0.00	30.09 1.94 0.00	28.20 1.72 0.00	28.11 1.74 0.00	28.86 1.89 0.00	29.64 1.86 0.00	30.97 2.03 0.00	33.08 2.39 0.00	37.01 2.74 0.00	42.31 3.21 0.00	45.92 3.28 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.00 1.78 0.00
ROME____115KV_TB2 80656	26.75 0.60 0.00	25.05 0.54 0.00	23.74 0.51 0.00	23.94 0.49 0.00	25.33 0.57 0.00	28.14 0.69 0.00	34.68 0.81 0.00	39.36 1.11 0.00	31.87 0.78 0.00	28.63 0.48 0.00	26.93 0.45 0.00	26.84 0.47 0.00	27.43 0.46 0.00	28.34 0.56 0.00	29.55 0.61 0.00	31.39 0.71 0.00	35.13 0.86 0.00	39.97 0.86 0.00	43.79 1.15 0.00	46.34 1.17 0.00	43.29 1.06 0.00	35.63 0.73 0.00	32.91 0.65 0.00	28.76 0.54 0.00
ROSETON____1 23587	27.43 1.28 0.00	25.69 1.18 0.00	24.32 1.09 0.00	24.48 1.03 0.00	25.82 1.06 0.00	28.58 1.13 0.00	35.46 1.59 0.00	39.98 1.72 0.00	32.62 1.52 0.00	29.61 1.46 0.00	27.81 1.32 0.00	27.68 1.32 0.00	28.38 1.40 0.00	29.17 1.39 0.00	30.48 1.53 0.00	32.46 1.78 0.00	36.36 2.09 0.00	41.57 2.47 0.00	45.15 2.51 0.00	47.87 2.71 0.00	44.77 2.53 0.00	37.02 2.13 0.00	34.07 1.81 0.00	29.64 1.41 0.00
ROSETON____2 23588	27.43 1.28 0.00	25.69 1.18 0.00	24.32 1.09 0.00	24.48 1.03 0.00	25.82 1.06 0.00	28.58 1.13 0.00	35.46 1.59 0.00	39.98 1.72 0.00	32.62 1.52 0.00	29.61 1.46 0.00	27.81 1.32 0.00	27.68 1.32 0.00	28.38 1.40 0.00	29.17 1.39 0.00	30.48 1.53 0.00	32.46 1.78 0.00	36.36 2.09 0.00	41.57 2.47 0.00	45.15 2.51 0.00	47.87 2.71 0.00	44.77 2.53 0.00	37.02 2.13 0.00	34.07 1.81 0.00	29.64 1.41 0.00
ROTTTRDAM_115KV_TB3 80664	27.12 0.97 0.00	25.39 0.88 0.00	24.04 0.81 0.00	24.25 0.80 0.00	25.60 0.84 0.00	28.38 0.93 0.00	35.09 1.22 0.00	39.63 1.38 0.00	32.12 1.03 0.00	29.05 0.90 0.00	27.30 0.82 0.00	27.18 0.82 0.00	27.89 0.92 0.00	28.70 0.92 0.00	29.93 0.98 0.00	31.73 1.04 0.00	35.54 1.27 0.00	40.67 1.56 0.00	44.38 1.75 0.00	47.06 1.90 0.00	44.01 1.77 0.00	36.36 1.47 0.00	33.59 1.32 0.00	29.33 1.10 0.00
RUSSELL____1 23602	25.08 -1.07 0.00	23.21 -1.30 0.00	22.16 -1.07 0.00	22.56 -0.89 0.00	23.69 -1.06 0.00	26.46 -0.99 0.00	32.75 -1.12 0.00	37.34 -0.92 0.00	30.44 -0.65 0.00	27.39 -0.76 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.22 -0.76 0.00	27.23 -0.56 0.00	28.25 -0.69 0.00	29.64 -1.04 0.00	33.35 -0.93 0.00	37.82 -1.29 0.00	41.27 -1.36 0.00	43.72 -1.45 0.00	41.05 -1.18 0.00	33.88 -1.01 0.00	31.49 -0.77 0.00	27.60 -0.62 0.00
RUSSELL____2 23532	25.08 -1.07 0.00	23.21 -1.30 0.00	22.16 -1.07 0.00	22.56 -0.89 0.00	23.69 -1.06 0.00	26.46 -0.99 0.00	32.75 -1.12 0.00	37.34 -0.92 0.00	30.44 -0.65 0.00	27.39 -0.76 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.22 -0.76 0.00	27.23 -0.56 0.00	28.25 -0.69 0.00	29.64 -1.04 0.00	33.35 -0.93 0.00	37.82 -1.29 0.00	41.27 -1.36 0.00	43.72 -1.45 0.00	41.05 -1.18 0.00	33.88 -1.01 0.00	31.49 -0.77 0.00	27.60 -0.62 0.00
RUSSELL____3 23549	25.08 -1.07 0.00	23.21 -1.30 0.00	22.16 -1.07 0.00	22.56 -0.89 0.00	23.69 -1.06 0.00	26.46 -0.99 0.00	32.75 -1.12 0.00	37.34 -0.92 0.00	30.44 -0.65 0.00	27.39 -0.76 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.22 -0.76 0.00	27.23 -0.56 0.00	28.25 -0.69 0.00	29.64 -1.04 0.00	33.35 -0.93 0.00	37.82 -1.29 0.00	41.27 -1.36 0.00	43.72 -1.45 0.00	41.05 -1.18 0.00	33.88 -1.01 0.00	31.49 -0.77 0.00	27.60 -0.62 0.00
RUSSELL____4 23556	25.08 -1.07 0.00	23.21 -1.30 0.00	22.16 -1.07 0.00	22.56 -0.89 0.00	23.69 -1.06 0.00	26.46 -0.99 0.00	32.75 -1.12 0.00	37.34 -0.92 0.00	30.44 -0.65 0.00	27.39 -0.76 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.22 -0.76 0.00	27.23 -0.56 0.00	28.25 -0.69 0.00	29.64 -1.04 0.00	33.35 -0.93 0.00	37.82 -1.29 0.00	41.27 -1.36 0.00	43.72 -1.45 0.00	41.05 -1.18 0.00	33.88 -1.01 0.00	31.49 -0.77 0.00	27.60 -0.62 0.00
RUSSELL____STATION 23914	25.08 -1.07 0.00	23.21 -1.30 0.00	22.16 -1.07 0.00	22.56 -0.89 0.00	23.69 -1.06 0.00	26.46 -0.99 0.00	32.75 -1.12 0.00	37.34 -0.92 0.00	30.44 -0.65 0.00	27.39 -0.76 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.22 -0.76 0.00	27.23 -0.56 0.00	28.25 -0.69 0.00	29.64 -1.04 0.00	33.35 -0.93 0.00	37.82 -1.29 0.00	41.27 -1.36 0.00	43.72 -1.45 0.00	41.05 -1.18 0.00	33.88 -1.01 0.00	31.49 -0.77 0.00	27.60 -0.62 0.00
S SALMON____HYD 24043	25.57 -0.58 0.00	23.97 -0.54 0.00	22.70 -0.53 0.00	22.93 -0.52 0.00	24.21 -0.54 0.00	26.90 -0.55 0.00	33.09 -0.78 0.00	37.60 -0.65 0.00	30.50 -0.59 0.00	27.47 -0.68 0.00	25.85 -0.64 0.00	25.73 -0.63 0.00	26.30 -0.67 0.00	27.14 -0.64 0.00	28.28 -0.66 0.00	29.95 -0.74 0.00	33.35 -0.92 0.00	37.93 -1.17 0.00	41.53 -1.11 0.00	43.99 -1.17 0.00	41.18 -1.05 0.00	33.95 -0.94 0.00	31.49 -0.77 0.00	27.60 -0.62 0.00
S.PERRY__115KV_TB1 80734	25.73 -0.42 0.00	23.80 -0.71 0.00	22.72 -0.51 0.00	23.14 -0.30 0.00	24.29 -0.47 0.00	27.18 -0.27 0.00	33.70 -0.17 0.00	38.21 -0.04 0.00	30.88 -0.22 0.00	27.59 -0.56 0.00	26.11 -0.37 0.00	25.97 -0.40 0.00	26.17 -0.81 0.00	27.17 -0.61 0.00	28.22 -0.72 0.00	29.70 -0.98 0.00	33.55 -0.72 0.00	38.21 -0.90 0.00	42.12 -0.51 0.00	44.71 -0.45 0.00	42.02 -0.21 0.00	34.61 -0.28 0.00	32.07 -0.19 0.00	28.17 -0.06 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	24.29 -1.86 0.00	22.40 -2.11 0.00	21.49 -1.74 0.00	21.88 -1.57 0.00	22.88 -1.88 0.00	25.61 -1.84 0.00	31.70 -2.17 0.00	36.23 -2.03 0.00	29.69 -1.40 0.00	26.57 -1.58 0.00	25.42 -1.06 0.00	25.23 -1.13 0.00	25.30 -1.67 0.00	26.28 -1.50 0.00	27.29 -1.65 0.00	28.48 -2.21 0.00	31.91 -2.36 0.00	36.06 -3.05 0.00	39.56 -3.07 0.00	41.78 -3.39 0.00	39.24 -3.00 0.00	32.59 -2.30 0.00	30.30 -1.97 0.00	26.64 -1.58 0.00



SAWYER___23_KV_LOAD 55526	24.29 -1.86 0.00	22.40 -2.11 0.00	21.49 -1.74 0.00	21.88 -1.57 0.00	22.88 -1.88 0.00	25.61 -1.84 0.00	31.70 -2.17 0.00	36.23 -2.03 0.00	29.69 -1.40 0.00	26.57 -1.58 0.00	25.42 -1.06 0.00	25.23 -1.13 0.00	25.30 -1.67 0.00	26.28 -1.50 0.00	27.29 -1.65 0.00	28.48 -2.21 0.00	31.91 -2.36 0.00	36.06 -3.05 0.00	39.56 -3.07 0.00	41.78 -3.39 0.00	39.24 -3.00 0.00	32.59 -2.30 0.00	30.30 -1.97 0.00	26.64 -1.58 0.00
SELKIRK___I 23801	27.01 0.86 0.00	25.30 0.78 0.00	23.95 0.72 0.00	24.15 0.70 0.00	25.50 0.74 0.00	28.22 0.77 0.00	34.92 1.05 0.00	39.29 1.03 0.00	31.84 0.75 0.00	28.80 0.65 0.00	27.06 0.58 0.00	26.92 0.55 0.00	27.57 0.59 0.00	28.37 0.58 0.00	29.61 0.67 0.00	31.48 0.80 0.00	35.27 0.99 0.00	40.40 1.29 0.00	44.13 1.49 0.00	46.79 1.62 0.00	43.75 1.52 0.00	36.19 1.29 0.00	33.46 1.19 0.00	29.16 0.93 0.00
SELKIRK___II 23799	26.91 0.76 0.00	25.20 0.69 0.00	23.86 0.63 0.00	24.03 0.59 0.00	25.40 0.64 0.00	28.11 0.66 0.00	34.82 0.95 0.00	39.21 0.96 0.00	31.87 0.78 0.00	28.85 0.70 0.00	27.14 0.66 0.00	27.00 0.63 0.00	27.67 0.70 0.00	28.45 0.67 0.00	29.69 0.75 0.00	31.58 0.89 0.00	35.34 1.06 0.00	40.40 1.29 0.00	44.04 1.40 0.00	46.70 1.54 0.00	43.67 1.44 0.00	36.08 1.19 0.00	33.36 1.10 0.00	29.07 0.85 0.00
SENECA OSWGO___HYD 24041	25.68 -0.47 0.00	24.05 -0.47 0.00	22.79 -0.44 0.00	23.05 -0.40 0.00	24.29 -0.47 0.00	26.96 -0.49 0.00	33.23 -0.64 0.00	37.64 -0.61 0.00	30.59 -0.50 0.00	27.64 -0.51 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.49 -0.48 0.00	27.34 -0.45 0.00	28.42 -0.52 0.00	30.10 -0.58 0.00	33.55 -0.72 0.00	38.21 -0.90 0.00	41.74 -0.90 0.00	44.21 -0.95 0.00	41.39 -0.84 0.00	34.20 -0.70 0.00	31.69 -0.58 0.00	27.83 -0.40 0.00
SENECA___115KV_TB3 355854	24.55 -1.60 0.00	22.65 -1.86 0.00	21.70 -1.53 0.00	22.11 -1.34 0.00	23.10 -1.66 0.00	25.89 -1.56 0.00	32.04 -1.83 0.00	36.57 -1.68 0.00	29.97 -1.12 0.00	26.80 -1.35 0.00	25.64 -0.85 0.00	25.44 -0.92 0.00	25.49 -1.48 0.00	26.48 -1.31 0.00	27.50 -1.45 0.00	28.72 -1.96 0.00	32.15 -2.12 0.00	36.37 -2.74 0.00	39.91 -2.73 0.00	42.14 -3.03 0.00	39.53 -2.70 0.00	32.84 -2.06 0.00	30.49 -1.77 0.00	26.81 -1.41 0.00
SENECA___ENERGY 23797	25.63 -0.52 0.00	23.95 -0.56 0.00	22.70 -0.53 0.00	23.05 -0.40 0.00	24.26 -0.49 0.00	27.04 -0.41 0.00	33.30 -0.58 0.00	37.95 -0.31 0.00	30.84 -0.25 0.00	27.75 -0.39 0.00	26.14 -0.35 0.00	26.02 -0.34 0.00	26.49 -0.48 0.00	27.42 -0.36 0.00	28.39 -0.55 0.00	30.07 -0.61 0.00	33.69 -0.58 0.00	38.36 -0.74 0.00	42.00 -0.64 0.00	44.44 -0.72 0.00	41.64 -0.59 0.00	34.41 -0.49 0.00	31.88 -0.39 0.00	27.94 -0.28 0.00
SHOEMAKER___GT 23640	27.20 1.05 0.00	25.47 0.95 0.00	24.14 0.91 0.00	24.29 0.84 0.00	25.65 0.89 0.00	28.41 0.96 0.00	35.16 1.29 0.00	39.67 1.42 0.00	32.34 1.25 0.00	29.30 1.15 0.00	27.54 1.06 0.00	27.42 1.06 0.00	28.11 1.13 0.00	28.86 1.08 0.00	30.19 1.24 0.00	32.13 1.44 0.00	35.99 1.71 0.00	41.18 2.07 0.00	44.77 2.13 0.00	47.51 2.35 0.00	44.39 2.15 0.00	36.71 1.81 0.00	33.81 1.55 0.00	29.44 1.21 0.00
SHOEMAKR_138KV_BK 111 55601	27.17 1.02 0.00	25.47 0.96 0.00	24.14 0.91 0.00	24.29 0.84 0.00	25.65 0.89 0.00	28.41 0.96 0.00	35.09 1.22 0.00	39.71 1.45 0.00	32.37 1.27 0.00	29.33 1.18 0.00	27.54 1.06 0.00	27.42 1.05 0.00	28.13 1.16 0.00	28.89 1.11 0.00	30.19 1.24 0.00	32.16 1.47 0.00	36.02 1.75 0.00	41.22 2.11 0.00	44.81 2.17 0.00	47.51 2.35 0.00	44.43 2.20 0.00	36.74 1.85 0.00	33.85 1.58 0.00	29.44 1.21 0.00
SHOREHAM_IC_1 23715	28.32 2.17 0.00	26.33 1.81 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.32 1.56 0.00	29.18 1.73 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.83 1.74 0.00	29.72 1.58 0.00	27.91 1.43 0.00	27.60 1.24 0.00	28.52 1.54 -0.01	29.31 1.50 -0.03	30.63 1.68 -0.01	32.67 1.97 -0.02	36.69 2.40 -0.02	42.69 3.09 -0.50	48.10 3.88 -1.58	50.60 4.29 -1.14	48.03 4.14 -1.66	39.47 3.66 -0.91	35.99 3.29 -0.43	30.03 1.81 0.00
SHOREHAM_IC_2 23716	28.32 2.17 0.00	26.33 1.81 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.32 1.56 0.00	29.18 1.73 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.83 1.74 0.00	29.72 1.58 0.00	27.91 1.43 0.00	27.60 1.24 0.00	28.52 1.54 -0.01	29.31 1.50 -0.03	30.63 1.68 -0.01	32.67 1.97 -0.02	36.69 2.40 -0.02	42.69 3.09 -0.50	48.10 3.88 -1.58	50.60 4.29 -1.14	48.03 4.14 -1.66	39.47 3.66 -0.91	35.99 3.29 -0.43	30.03 1.81 0.00
SISSONVILLE____ 23735	25.31 -0.84 0.00	23.83 -0.69 0.00	22.60 -0.63 0.00	22.84 -0.61 0.00	24.29 -0.47 0.00	26.90 -0.55 0.00	32.79 -1.08 0.00	36.80 -1.45 0.00	29.73 -1.37 0.00	26.97 -1.18 0.00	25.37 -1.11 0.00	25.23 -1.13 0.00	25.87 -1.11 0.00	26.73 -1.06 0.00	27.84 -1.10 0.00	29.43 -1.26 0.00	32.76 -1.51 0.00	37.31 -1.80 0.00	40.67 -1.96 0.00	43.04 -2.12 0.00	40.25 -1.99 0.00	33.15 -1.74 0.00	30.68 -1.58 0.00	26.79 -1.44 0.00
SITHE_IND_GS1 24169	25.37 -0.78 0.00	23.75 -0.76 0.00	22.51 -0.72 0.00	22.77 -0.68 0.00	24.02 -0.74 0.00	26.63 -0.82 0.00	32.79 -1.09 0.00	37.11 -1.15 0.00	30.19 -0.90 0.00	27.28 -0.87 0.00	25.69 -0.79 0.00	25.58 -0.79 0.00	26.14 -0.84 0.00	26.95 -0.83 0.00	28.05 -0.90 0.00	29.61 -1.07 0.00	33.01 -1.27 0.00	37.62 -1.49 0.00	41.06 -1.58 0.00	43.49 -1.67 0.00	40.67 -1.56 0.00	33.60 -1.29 0.00	31.17 -1.10 0.00	27.43 -0.79 0.00
SITHE_IND_GS2 24170	25.37 -0.78 0.00	23.75 -0.76 0.00	22.51 -0.72 0.00	22.77 -0.68 0.00	24.02 -0.74 0.00	26.63 -0.82 0.00	32.79 -1.09 0.00	37.11 -1.15 0.00	30.19 -0.90 0.00	27.28 -0.87 0.00	25.69 -0.79 0.00	25.58 -0.79 0.00	26.14 -0.84 0.00	26.95 -0.83 0.00	28.05 -0.90 0.00	29.61 -1.07 0.00	33.01 -1.27 0.00	37.62 -1.49 0.00	41.06 -1.58 0.00	43.49 -1.67 0.00	40.67 -1.56 0.00	33.60 -1.29 0.00	31.17 -1.10 0.00	27.43 -0.79 0.00
SITHE_IND_GS3 24171	25.37 -0.78 0.00	23.75 -0.76 0.00	22.51 -0.72 0.00	22.77 -0.68 0.00	24.02 -0.74 0.00	26.63 -0.82 0.00	32.79 -1.09 0.00	37.11 -1.15 0.00	30.19 -0.90 0.00	27.28 -0.87 0.00	25.69 -0.79 0.00	25.58 -0.79 0.00	26.14 -0.84 0.00	26.95 -0.83 0.00	28.05 -0.90 0.00	29.61 -1.07 0.00	33.01 -1.27 0.00	37.62 -1.49 0.00	41.06 -1.58 0.00	43.49 -1.67 0.00	40.67 -1.56 0.00	33.60 -1.29 0.00	31.17 -1.10 0.00	27.43 -0.79 0.00
SITHE_IND_GS4 24172	25.37 -0.78 0.00	23.75 -0.76 0.00	22.51 -0.72 0.00	22.77 -0.68 0.00	24.02 -0.74 0.00	26.63 -0.82 0.00	32.79 -1.09 0.00	37.11 -1.15 0.00	30.19 -0.90 0.00	27.28 -0.87 0.00	25.69 -0.79 0.00	25.58 -0.79 0.00	26.14 -0.84 0.00	26.95 -0.83 0.00	28.05 -0.90 0.00	29.61 -1.07 0.00	33.01 -1.27 0.00	37.62 -1.49 0.00	41.06 -1.58 0.00	43.49 -1.67 0.00	40.67 -1.56 0.00	33.60 -1.29 0.00	31.17 -1.10 0.00	27.43 -0.79 0.00



SITHE___BATAVIA 24024	24.58 -1.57 0.00	22.89 -1.62 0.00	21.74 -1.49 0.00	22.32 -1.13 0.00	23.42 -1.34 0.00	26.24 -1.21 0.00	31.84 -2.03 0.00	37.14 -1.11 0.00	30.26 -0.84 0.00	27.11 -1.04 0.00	25.71 -0.77 0.00	25.58 -0.79 0.00	25.79 -1.19 0.00	26.81 -0.97 0.00	27.50 -1.45 0.00	29.12 -1.56 0.00	32.73 -1.54 0.00	37.07 -2.04 0.00	40.72 -1.92 0.00	43.00 -2.17 0.00	40.42 -1.81 0.00	33.43 -1.46 0.00	31.20 -1.06 0.00	27.27 -0.96 0.00
SITHE___INDEPEND 23800	25.36 -0.78 0.00	23.75 -0.76 0.00	22.53 -0.70 0.00	22.77 -0.68 0.00	24.01 -0.74 0.00	26.63 -0.82 0.00	32.82 -1.05 0.00	37.11 -1.15 0.00	30.19 -0.90 0.00	27.28 -0.87 0.00	25.69 -0.79 0.00	25.60 -0.76 0.00	26.14 -0.84 0.00	26.95 -0.83 0.00	28.07 -0.87 0.00	29.61 -1.07 0.00	33.00 -1.27 0.00	37.62 -1.49 0.00	41.01 -1.62 0.00	43.49 -1.67 0.00	40.67 -1.56 0.00	33.60 -1.29 0.00	31.17 -1.10 0.00	27.43 -0.79 0.00
SITHE___MASSENA 23902	25.84 -0.31 0.00	24.31 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.73 -0.02 0.00	27.40 -0.05 0.00	33.64 -0.24 0.00	37.72 -0.54 0.00	30.53 -0.56 0.00	27.75 -0.39 0.00	26.11 -0.37 0.00	25.97 -0.39 0.00	26.62 -0.35 0.00	27.42 -0.36 0.00	28.57 -0.38 0.00	30.23 -0.46 0.00	33.69 -0.58 0.00	38.40 -0.70 0.00	41.78 -0.85 0.00	44.26 -0.90 0.00	41.39 -0.84 0.00	34.13 -0.77 0.00	31.62 -0.65 0.00	27.63 -0.59 0.00
SITHE___OGDNSBRG 24021	25.91 -0.24 0.00	24.41 -0.10 0.00	23.14 -0.09 0.00	23.38 -0.07 0.00	24.86 0.10 0.00	27.53 0.08 0.00	33.70 -0.17 0.00	37.79 -0.46 0.00	30.41 -0.68 0.00	27.53 -0.62 0.00	25.87 -0.61 0.00	25.73 -0.63 0.00	26.38 -0.59 0.00	27.20 -0.58 0.00	28.36 -0.58 0.00	30.04 -0.64 0.00	33.55 -0.72 0.00	38.29 -0.82 0.00	41.87 -0.77 0.00	44.39 -0.77 0.00	41.52 -0.72 0.00	34.16 -0.73 0.00	31.62 -0.65 0.00	27.60 -0.62 0.00
SITHE___STERLING 23777	26.59 0.44 0.00	24.93 0.42 0.00	23.60 0.37 0.00	23.82 0.37 0.00	25.18 0.42 0.00	27.97 0.52 0.00	34.48 0.61 0.00	39.13 0.88 0.00	31.71 0.62 0.00	28.51 0.36 0.00	26.83 0.34 0.00	26.74 0.37 0.00	27.32 0.35 0.00	28.20 0.42 0.00	29.40 0.46 0.00	31.21 0.52 0.00	34.92 0.65 0.00	39.77 0.66 0.00	43.57 0.94 0.00	46.11 0.95 0.00	43.12 0.89 0.00	35.52 0.63 0.00	32.81 0.55 0.00	28.70 0.48 0.00
SLEIGHT__34_KV_TB1 80719	25.13 -1.02 0.00	23.36 -1.15 0.00	22.25 -0.98 0.00	22.60 -0.84 0.00	23.77 -0.99 0.00	26.52 -0.93 0.00	32.86 -1.02 0.00	37.34 -0.92 0.00	30.41 -0.68 0.00	27.36 -0.79 0.00	25.90 -0.58 0.00	25.84 -0.53 0.00	26.19 -0.78 0.00	27.17 -0.61 0.00	28.22 -0.72 0.00	29.70 -0.98 0.00	33.38 -0.89 0.00	37.89 -1.21 0.00	41.40 -1.24 0.00	43.81 -1.35 0.00	41.09 -1.14 0.00	33.95 -0.94 0.00	31.49 -0.77 0.00	27.58 -0.65 0.00
SOUTH CAIRO___GT 23612	27.51 1.36 0.00	25.71 1.20 0.00	24.35 1.12 0.00	24.53 1.08 0.00	25.92 1.16 0.00	28.74 1.29 0.00	35.53 1.66 0.00	39.94 1.68 0.00	32.15 1.06 0.00	28.85 0.70 0.00	27.07 0.58 0.00	26.97 0.61 0.00	27.65 0.67 0.00	28.42 0.64 0.00	29.70 0.75 0.00	31.70 1.01 0.00	35.58 1.30 0.00	41.02 1.92 0.00	44.81 2.17 0.00	47.74 2.57 0.00	44.64 2.41 0.00	36.92 2.02 0.00	34.23 1.97 0.00	29.78 1.55 0.00
SOUTH HAMPTN___IC 23720	28.37 2.22 0.00	26.37 1.86 0.00	25.14 1.91 0.00	25.30 1.85 0.00	26.37 1.61 0.00	29.23 1.78 0.00	36.99 3.11 0.00	41.62 3.37 0.00	32.99 1.90 0.00	29.89 1.75 0.00	28.01 1.54 0.00	27.73 1.37 0.00	28.63 1.65 -0.01	29.42 1.61 -0.03	30.75 1.80 -0.01	32.82 2.12 -0.02	36.87 2.57 -0.02	42.96 3.36 -0.49	48.24 4.05 -1.56	50.76 4.47 -1.12	48.13 4.26 -1.63	39.53 3.74 -0.90	36.01 3.32 -0.42	30.14 1.92 0.00
SOUTHDOW_115KV_TB1 355954	25.68 -0.47 0.00	23.68 -0.83 0.00	22.65 -0.58 0.00	23.00 -0.45 0.00	23.94 -0.82 0.00	26.90 -0.55 0.00	33.30 -0.58 0.00	38.02 -0.23 0.00	31.28 0.19 0.00	27.90 -0.25 0.00	26.80 0.32 0.00	26.55 0.18 0.00	26.52 -0.46 0.00	27.50 -0.28 0.00	28.51 -0.43 0.00	29.79 -0.89 0.00	33.28 -0.99 0.00	37.82 -1.29 0.00	41.57 -1.07 0.00	43.81 -1.35 0.00	41.05 -1.18 0.00	33.99 -0.91 0.00	31.33 -0.94 0.00	27.43 -0.79 0.00
SOUTHOLD_69_KV_BK 2 55809	28.01 1.86 0.00	26.33 1.81 0.00	24.76 1.53 0.00	24.95 1.50 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.72 2.85 0.00	41.47 3.21 0.00	32.83 1.74 0.00	29.75 1.60 0.00	27.72 1.24 0.00	27.47 1.11 0.00	28.52 1.54 -0.01	29.28 1.47 -0.03	30.55 1.59 -0.01	32.70 1.99 -0.02	36.80 2.50 -0.02	42.96 3.36 -0.49	48.50 4.31 -1.56	50.67 4.38 -1.12	48.00 4.14 -1.63	39.39 3.59 -0.90	36.01 3.32 -0.42	30.08 1.86 0.00
SOUTHOLD___IC 23719	28.32 2.17 0.00	26.33 1.81 0.00	25.06 1.83 0.00	25.23 1.78 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.93 1.83 0.00	29.89 1.75 0.00	27.85 1.38 0.00	27.60 1.24 0.00	28.52 1.54 -0.01	29.28 1.47 -0.03	30.60 1.65 -0.01	32.70 1.99 -0.02	36.79 2.50 -0.02	42.96 3.36 -0.49	48.11 3.92 -1.56	50.67 4.38 -1.12	48.05 4.18 -1.63	39.39 3.59 -0.90	35.81 3.13 -0.42	30.08 1.86 0.00
SOUTH_FORK_WT_PWR 323839	28.06 1.91 0.00	26.10 1.59 0.00	24.83 1.60 0.00	25.00 1.55 0.00	26.07 1.31 0.00	28.90 1.45 0.00	36.58 2.71 0.00	41.20 2.95 0.00	32.62 1.52 0.00	29.61 1.46 0.00	27.51 1.03 0.00	27.31 0.95 0.00	28.20 1.21 -0.01	28.92 1.11 -0.03	30.26 1.30 -0.01	32.36 1.66 -0.02	36.38 2.09 -0.02	42.49 2.89 -0.49	47.56 3.37 -1.56	50.08 3.79 -1.12	47.45 3.59 -1.63	38.90 3.10 -0.90	35.36 2.68 -0.42	29.77 1.55 0.00
SPIERFLS_115KV_TB 1 80737	27.67 1.52 0.00	25.88 1.37 0.00	24.48 1.25 0.00	24.69 1.24 0.00	26.12 1.36 0.00	28.99 1.54 0.00	35.94 2.07 0.00	40.55 2.30 0.00	32.71 1.62 0.00	29.56 1.41 0.00	27.75 1.27 0.00	27.63 1.27 0.00	28.65 1.67 0.00	29.48 1.69 0.00	30.77 1.82 0.00	31.67 0.98 0.00	35.47 1.20 0.00	40.75 1.64 0.00	44.47 1.83 0.00	47.19 2.03 0.00	44.01 1.77 0.00	36.32 1.43 0.00	33.65 1.39 0.00	29.97 1.75 0.00
ST LAWRENCE____ 23600	25.70 -0.44 0.00	24.17 -0.34 0.00	22.93 -0.30 0.00	23.17 -0.28 0.00	24.53 -0.22 0.00	27.18 -0.27 0.00	33.43 -0.44 0.00	37.57 -0.69 0.00	30.44 -0.65 0.00	27.67 -0.48 0.00	26.03 -0.45 0.00	25.89 -0.47 0.00	26.54 -0.43 0.00	27.31 -0.47 0.00	28.45 -0.49 0.00	30.10 -0.58 0.00	33.55 -0.72 0.00	38.25 -0.86 0.00	41.61 -1.02 0.00	44.08 -1.08 0.00	41.18 -1.05 0.00	34.02 -0.87 0.00	31.49 -0.77 0.00	27.52 -0.70 0.00
STATE_CA_115KV_115_LB 55624	26.96 0.81 0.00	25.25 0.74 0.00	23.90 0.67 0.00	24.08 0.63 0.00	25.45 0.69 0.00	28.16 0.71 0.00	34.85 0.98 0.00	39.29 1.03 0.00	31.93 0.84 0.00	28.94 0.79 0.00	27.22 0.74 0.00	27.08 0.71 0.00	27.78 0.81 0.00	28.59 0.81 0.00	29.78 0.84 0.00	31.70 1.01 0.00	35.44 1.17 0.00	40.55 1.45 0.00	44.17 1.53 0.00	46.83 1.67 0.00	43.76 1.52 0.00	36.15 1.26 0.00	33.49 1.23 0.00	29.13 0.90 0.00



STATE_ST_34_KV_LOAD 55959	25.94 -0.21 0.00	24.24 -0.27 0.00	23.00 -0.23 0.00	23.28 -0.16 0.00	24.51 -0.25 0.00	27.26 -0.19 0.00	33.77 -0.10 0.00	38.21 -0.04 0.00	31.06 -0.03 0.00	27.98 -0.17 0.00	26.35 -0.13 0.00	26.26 -0.11 0.00	26.79 -0.19 0.00	27.70 -0.08 0.00	28.80 -0.14 0.00	30.47 -0.21 0.00	34.03 -0.24 0.00	38.79 -0.31 0.00	42.42 -0.21 0.00	44.94 -0.23 0.00	42.11 -0.13 0.00	34.79 -0.10 0.00	32.17 -0.10 0.00	28.20 -0.03 0.00
STATION 5_MISC_HYD 23604	24.79 -1.36 0.00	23.12 -1.40 0.00	21.95 -1.28 0.00	22.44 -1.01 0.00	23.59 -1.16 0.00	26.35 -1.10 0.00	32.08 -1.80 0.00	37.18 -1.07 0.00	30.32 -0.78 0.00	27.28 -0.87 0.00	25.82 -0.66 0.00	25.73 -0.63 0.00	26.06 -0.92 0.00	27.06 -0.72 0.00	27.84 -1.10 0.00	29.46 -1.23 0.00	33.17 -1.10 0.00	37.58 -1.53 0.00	41.14 -1.49 0.00	43.49 -1.67 0.00	40.84 -1.39 0.00	33.74 -1.15 0.00	31.40 -0.87 0.00	27.46 -0.76 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	25.29 -0.86 0.00	23.48 -1.03 0.00	22.37 -0.86 0.00	22.74 -0.70 0.00	23.89 -0.87 0.00	26.65 -0.80 0.00	33.03 -0.85 0.00	37.56 -0.69 0.00	30.56 -0.53 0.00	27.50 -0.65 0.00	26.03 -0.45 0.00	25.95 -0.42 0.00	26.30 -0.67 0.00	27.28 -0.50 0.00	28.31 -0.64 0.00	29.79 -0.89 0.00	33.48 -0.79 0.00	38.05 -1.06 0.00	41.57 -1.07 0.00	44.03 -1.13 0.00	41.26 -0.97 0.00	34.09 -0.80 0.00	31.62 -0.65 0.00	27.72 -0.51 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	24.87 -1.28 0.00	23.04 -1.47 0.00	21.98 -1.25 0.00	22.37 -1.08 0.00	23.49 -1.26 0.00	26.24 -1.21 0.00	32.48 -1.39 0.00	37.03 -1.22 0.00	30.19 -0.90 0.00	27.16 -0.99 0.00	25.77 -0.72 0.00	25.71 -0.66 0.00	26.00 -0.97 0.00	26.98 -0.81 0.00	28.02 -0.93 0.00	29.37 -1.32 0.00	33.07 -1.20 0.00	37.50 -1.60 0.00	40.93 -1.71 0.00	43.36 -1.81 0.00	40.67 -1.56 0.00	33.60 -1.29 0.00	31.20 -1.06 0.00	27.35 -0.87 0.00
STA_56___34_KV_BUS2 355983	24.87 -1.28 0.00	23.04 -1.47 0.00	21.98 -1.25 0.00	22.37 -1.08 0.00	23.49 -1.26 0.00	26.24 -1.21 0.00	32.48 -1.39 0.00	37.03 -1.22 0.00	30.19 -0.90 0.00	27.16 -0.99 0.00	25.77 -0.72 0.00	25.71 -0.66 0.00	26.00 -0.97 0.00	26.98 -0.81 0.00	28.02 -0.93 0.00	29.37 -1.32 0.00	33.07 -1.20 0.00	37.50 -1.60 0.00	40.93 -1.71 0.00	43.36 -1.81 0.00	40.67 -1.56 0.00	33.60 -1.29 0.00	31.20 -1.06 0.00	27.35 -0.87 0.00
STA_67___115KV_BK2 355882	24.92 -1.23 0.00	23.09 -1.42 0.00	22.02 -1.21 0.00	22.42 -1.03 0.00	23.54 -1.21 0.00	26.30 -1.15 0.00	32.52 -1.35 0.00	37.11 -1.15 0.00	30.25 -0.84 0.00	27.22 -0.93 0.00	25.85 -0.64 0.00	25.76 -0.61 0.00	26.03 -0.94 0.00	27.00 -0.78 0.00	28.05 -0.90 0.00	29.40 -1.29 0.00	33.07 -1.20 0.00	37.50 -1.60 0.00	40.97 -1.66 0.00	43.40 -1.76 0.00	40.71 -1.52 0.00	33.64 -1.26 0.00	31.27 -1.00 0.00	27.43 -0.79 0.00
STA_7___115KV_9TRANS 80674	25.08 -1.07 0.00	23.21 -1.30 0.00	22.16 -1.07 0.00	22.56 -0.89 0.00	23.69 -1.06 0.00	26.46 -0.99 0.00	32.75 -1.12 0.00	37.34 -0.92 0.00	30.44 -0.65 0.00	27.39 -0.76 0.00	26.01 -0.48 0.00	25.92 -0.45 0.00	26.22 -0.76 0.00	27.23 -0.56 0.00	28.25 -0.69 0.00	29.64 -1.04 0.00	33.35 -0.93 0.00	37.82 -1.29 0.00	41.27 -1.36 0.00	43.72 -1.45 0.00	41.05 -1.18 0.00	33.88 -1.01 0.00	31.49 -0.77 0.00	27.60 -0.62 0.00
STA_82___115KV_TB1 80780	24.92 -1.23 0.00	23.09 -1.42 0.00	22.05 -1.18 0.00	22.44 -1.01 0.00	23.54 -1.21 0.00	26.30 -1.15 0.00	32.55 -1.32 0.00	37.11 -1.15 0.00	30.28 -0.81 0.00	27.22 -0.93 0.00	25.85 -0.64 0.00	25.76 -0.61 0.00	26.03 -0.94 0.00	27.03 -0.75 0.00	28.05 -0.90 0.00	29.43 -1.26 0.00	33.07 -1.20 0.00	37.50 -1.60 0.00	40.97 -1.66 0.00	43.40 -1.76 0.00	40.71 -1.52 0.00	33.67 -1.22 0.00	31.27 -1.00 0.00	27.43 -0.79 0.00
STEEL___WIND 323596	24.32 -1.83 0.00	22.62 -1.89 0.00	21.51 -1.72 0.00	22.04 -1.41 0.00	23.07 -1.68 0.00	25.86 -1.59 0.00	31.37 -2.51 0.00	36.53 -1.72 0.00	29.94 -1.15 0.00	26.77 -1.38 0.00	25.50 -0.98 0.00	25.31 -1.06 0.00	25.44 -1.54 0.00	26.42 -1.36 0.00	27.12 -1.82 0.00	28.66 -2.03 0.00	32.11 -2.16 0.00	36.33 -2.78 0.00	39.99 -2.64 0.00	42.09 -3.07 0.00	39.49 -2.74 0.00	32.80 -2.09 0.00	30.55 -1.71 0.00	26.79 -1.44 0.00
STEPHTWN_115KV_BK_2 55603	27.09 0.94 0.00	25.37 0.86 0.00	24.00 0.77 0.00	24.20 0.75 0.00	25.57 0.82 0.00	28.33 0.88 0.00	35.06 1.19 0.00	39.55 1.30 0.00	32.09 0.99 0.00	29.08 0.93 0.00	27.33 0.85 0.00	27.18 0.82 0.00	27.89 0.92 0.00	28.67 0.89 0.00	29.90 0.96 0.00	31.85 1.17 0.00	35.61 1.34 0.00	40.79 1.68 0.00	44.47 1.83 0.00	47.15 1.99 0.00	44.01 1.77 0.00	36.36 1.47 0.00	33.65 1.39 0.00	29.30 1.07 0.00
STEUBEN_REC_LFGE 323667	25.50 -0.65 0.00	23.56 -0.96 0.00	22.46 -0.77 0.00	22.84 -0.61 0.00	23.92 -0.84 0.00	26.82 -0.63 0.00	33.30 -0.58 0.00	37.72 -0.54 0.00	30.66 -0.44 0.00	27.42 -0.73 0.00	26.01 -0.48 0.00	25.81 -0.55 0.00	26.00 -0.97 0.00	26.95 -0.83 0.00	27.93 -1.01 0.00	29.37 -1.32 0.00	32.97 -1.30 0.00	37.50 -1.60 0.00	41.27 -1.36 0.00	43.54 -1.63 0.00	40.67 -1.56 0.00	33.60 -1.29 0.00	30.98 -1.29 0.00	27.63 -0.59 0.00
STILLWATER___SOLAR 323814	27.51 1.36 0.00	25.76 1.25 0.00	24.37 1.14 0.00	24.57 1.13 0.00	25.97 1.21 0.00	28.80 1.34 0.00	35.70 1.83 0.00	40.24 1.99 0.00	32.49 1.40 0.00	29.39 1.24 0.00	27.59 1.11 0.00	27.45 1.08 0.00	28.30 1.32 0.00	29.12 1.33 0.00	30.42 1.48 0.00	31.94 1.26 0.00	35.82 1.54 0.00	41.10 1.99 0.00	44.85 2.22 0.00	47.60 2.44 0.00	44.47 2.24 0.00	36.74 1.85 0.00	33.97 1.71 0.00	29.78 1.55 0.00
STONY___BROOK 24151	28.45 2.30 0.00	26.47 1.96 0.00	25.14 1.91 0.00	25.30 1.85 0.00	26.46 1.71 0.00	29.34 1.89 0.00	36.95 3.08 0.00	41.62 3.37 0.00	33.33 2.24 0.00	30.28 2.14 0.00	28.52 2.04 0.00	28.21 1.85 0.00	29.09 2.11 -0.01	29.90 2.08 -0.03	31.24 2.29 -0.01	33.32 2.61 -0.02	37.38 3.09 -0.02	43.42 3.79 -0.52	48.50 4.22 -1.65	50.96 4.61 -1.19	48.31 4.35 -1.72	39.61 3.77 -0.95	36.16 3.45 -0.44	30.43 2.20 0.00
STURGEON_POOL_HYD 23609	27.46 1.31 0.00	25.76 1.25 0.00	24.37 1.14 0.00	24.53 1.08 0.00	25.90 1.14 0.00	28.66 1.21 0.00	35.43 1.56 0.00	40.05 1.80 0.00	32.65 1.55 0.00	29.56 1.41 0.00	27.75 1.27 0.00	27.66 1.29 0.00	28.38 1.40 0.00	29.12 1.33 0.00	30.45 1.51 0.00	32.50 1.81 0.00	36.40 2.12 0.00	41.65 2.54 0.00	45.28 2.64 0.00	48.01 2.85 0.00	44.90 2.66 0.00	37.16 2.27 0.00	34.23 1.97 0.00	29.72 1.50 0.00
ST_LAW_115_BK7_LBMP 345037	25.68 -0.47 0.00	24.14 -0.37 0.00	22.90 -0.33 0.00	23.14 -0.31 0.00	24.51 -0.25 0.00	27.15 -0.30 0.00	33.40 -0.47 0.00	37.49 -0.76 0.00	30.38 -0.71 0.00	27.61 -0.54 0.00	25.98 -0.50 0.00	25.87 -0.50 0.00	26.49 -0.48 0.00	27.28 -0.50 0.00	28.39 -0.55 0.00	30.07 -0.61 0.00	33.52 -0.75 0.00	38.17 -0.94 0.00	41.57 -1.06 0.00	43.99 -1.17 0.00	41.14 -1.10 0.00	33.95 -0.94 0.00	31.43 -0.84 0.00	27.46 -0.76 0.00



ST_LAW_115_BK8_LBMP 345038	25.68 -0.47 0.00	24.14 -0.37 0.00	22.90 -0.33 0.00	23.14 -0.31 0.00	24.51 -0.25 0.00	27.15 -0.30 0.00	33.40 -0.47 0.00	37.49 -0.76 0.00	30.38 -0.71 0.00	27.61 -0.54 0.00	25.98 -0.50 0.00	25.87 -0.50 0.00	26.49 -0.48 0.00	27.28 -0.50 0.00	28.39 -0.55 0.00	30.07 -0.61 0.00	33.52 -0.75 0.00	38.17 -0.94 0.00	41.57 -1.06 0.00	43.99 -1.17 0.00	41.14 -1.10 0.00	33.95 -0.94 0.00	31.43 -0.84 0.00	27.46 -0.76 0.00
ST_LAW_230_BK5_LBMP 345035	25.70 -0.44 0.00	24.17 -0.34 0.00	22.93 -0.30 0.00	23.17 -0.28 0.00	24.53 -0.22 0.00	27.18 -0.27 0.00	33.43 -0.44 0.00	37.57 -0.69 0.00	30.44 -0.65 0.00	27.67 -0.48 0.00	26.03 -0.45 0.00	25.89 -0.47 0.00	26.54 -0.43 0.00	27.31 -0.47 0.00	28.45 -0.49 0.00	30.10 -0.58 0.00	33.55 -0.72 0.00	38.25 -0.86 0.00	41.61 -1.02 0.00	44.08 -1.08 0.00	41.18 -1.05 0.00	34.02 -0.87 0.00	31.49 -0.77 0.00	27.52 -0.70 0.00
ST_LAW_230_BK6_LBMP 345036	25.70 -0.44 0.00	24.17 -0.34 0.00	22.93 -0.30 0.00	23.17 -0.28 0.00	24.53 -0.22 0.00	27.18 -0.27 0.00	33.43 -0.44 0.00	37.57 -0.69 0.00	30.44 -0.65 0.00	27.67 -0.48 0.00	26.03 -0.45 0.00	25.89 -0.47 0.00	26.54 -0.43 0.00	27.31 -0.47 0.00	28.45 -0.49 0.00	30.10 -0.58 0.00	33.55 -0.72 0.00	38.25 -0.86 0.00	41.61 -1.02 0.00	44.08 -1.08 0.00	41.18 -1.05 0.00	34.02 -0.87 0.00	31.49 -0.77 0.00	27.52 -0.70 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	27.30 1.15 0.00	25.61 1.10 0.00	24.25 1.02 0.00	24.41 0.96 0.00	25.77 1.02 0.00	28.55 1.10 0.00	35.26 1.39 0.00	39.90 1.64 0.00	32.59 1.49 0.00	29.56 1.41 0.00	27.73 1.24 0.00	27.63 1.27 0.00	28.32 1.35 0.00	29.09 1.31 0.00	30.39 1.45 0.00	32.43 1.75 0.00	36.29 2.02 0.00	41.53 2.42 0.00	45.15 2.52 0.00	47.83 2.66 0.00	44.73 2.49 0.00	36.99 2.09 0.00	34.07 1.81 0.00	29.61 1.38 0.00
SWANROAD_115KV_TB1 355699	23.77 -2.38 0.00	21.89 -2.62 0.00	21.00 -2.23 0.00	21.41 -2.04 0.00	22.38 -2.38 0.00	25.09 -2.36 0.00	31.06 -2.81 0.00	35.46 -2.79 0.00	29.07 -2.02 0.00	26.04 -2.11 0.00	24.89 -1.59 0.00	24.71 -1.66 0.00	24.79 -2.18 0.00	25.75 -2.03 0.00	26.74 -2.20 0.00	27.86 -2.82 0.00	31.26 -3.02 0.00	35.23 -3.87 0.00	38.67 -3.96 0.00	40.87 -4.29 0.00	38.39 -3.84 0.00	31.89 -3.00 0.00	29.72 -2.55 0.00	26.14 -2.09 0.00
SYNERGY___BIOGAS 323694	24.82 -1.33 0.00	22.89 -1.62 0.00	21.91 -1.32 0.00	22.35 -1.10 0.00	23.42 -1.34 0.00	26.24 -1.21 0.00	32.52 -1.35 0.00	37.14 -1.11 0.00	30.28 -0.81 0.00	27.11 -1.04 0.00	25.82 -0.66 0.00	25.68 -0.69 0.00	25.81 -1.16 0.00	26.84 -0.94 0.00	27.84 -1.10 0.00	29.12 -1.56 0.00	32.73 -1.54 0.00	37.07 -2.03 0.00	40.59 -2.05 0.00	42.99 -2.17 0.00	40.42 -1.82 0.00	33.43 -1.47 0.00	31.10 -1.16 0.00	27.27 -0.96 0.00
SYRACUSE___ENERGY_ST1 323597	25.94 -0.21 0.00	24.29 -0.22 0.00	23.02 -0.21 0.00	23.28 -0.16 0.00	24.53 -0.22 0.00	27.23 -0.22 0.00	33.67 -0.20 0.00	38.06 -0.19 0.00	30.94 -0.16 0.00	27.92 -0.23 0.00	26.30 -0.19 0.00	26.21 -0.16 0.00	26.76 -0.22 0.00	27.64 -0.14 0.00	28.77 -0.17 0.00	30.44 -0.25 0.00	33.96 -0.31 0.00	38.68 -0.43 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.90 -0.34 0.00	34.61 -0.28 0.00	32.04 -0.23 0.00	28.14 -0.08 0.00
SYRACUSE___ENERGY_ST2 323598	25.94 -0.21 0.00	24.29 -0.22 0.00	23.02 -0.21 0.00	23.28 -0.16 0.00	24.53 -0.22 0.00	27.23 -0.22 0.00	33.67 -0.20 0.00	38.06 -0.19 0.00	30.94 -0.16 0.00	27.92 -0.23 0.00	26.30 -0.19 0.00	26.21 -0.16 0.00	26.76 -0.22 0.00	27.64 -0.14 0.00	28.77 -0.17 0.00	30.44 -0.25 0.00	33.96 -0.31 0.00	38.68 -0.43 0.00	42.25 -0.38 0.00	44.76 -0.41 0.00	41.90 -0.34 0.00	34.61 -0.28 0.00	32.04 -0.23 0.00	28.14 -0.08 0.00
SYRACUSE___POWER 24017	25.91 -0.24 0.00	24.27 -0.25 0.00	23.00 -0.23 0.00	23.24 -0.21 0.00	24.48 -0.27 0.00	27.20 -0.25 0.00	33.60 -0.27 0.00	38.02 -0.23 0.00	30.91 -0.19 0.00	27.92 -0.23 0.00	26.27 -0.21 0.00	26.18 -0.18 0.00	26.73 -0.24 0.00	27.59 -0.19 0.00	28.74 -0.20 0.00	30.41 -0.28 0.00	33.93 -0.34 0.00	38.64 -0.47 0.00	42.21 -0.43 0.00	44.71 -0.45 0.00	41.85 -0.38 0.00	34.58 -0.31 0.00	32.01 -0.26 0.00	28.08 -0.14 0.00
TALLMAN___138KV_BK151 55660	27.46 1.31 0.00	25.76 1.25 0.00	24.41 1.18 0.00	24.57 1.13 0.00	25.95 1.19 0.00	28.74 1.29 0.00	35.53 1.66 0.00	40.20 1.95 0.00	32.87 1.77 0.00	29.84 1.69 0.00	27.99 1.51 0.00	27.87 1.50 0.00	28.59 1.62 0.00	29.37 1.58 0.00	30.68 1.74 0.00	32.77 2.09 0.00	36.67 2.40 0.00	41.92 2.82 0.00	45.53 2.90 0.00	48.28 3.12 0.00	45.11 2.87 0.00	37.30 2.41 0.00	34.33 2.07 0.00	29.83 1.61 0.00
TEALLAVE_115KV_TB7 355573	25.84 -0.31 0.00	24.17 -0.34 0.00	22.93 -0.30 0.00	23.17 -0.28 0.00	24.41 -0.35 0.00	27.12 -0.33 0.00	33.50 -0.37 0.00	37.87 -0.38 0.00	30.81 -0.28 0.00	27.84 -0.31 0.00	26.22 -0.26 0.00	26.10 -0.26 0.00	26.68 -0.30 0.00	27.53 -0.25 0.00	28.65 -0.29 0.00	30.32 -0.37 0.00	33.79 -0.48 0.00	38.48 -0.63 0.00	42.04 -0.60 0.00	44.53 -0.63 0.00	41.69 -0.55 0.00	34.44 -0.45 0.00	31.88 -0.39 0.00	28.00 -0.23 0.00
TELGRAPH_34_KV_EAST 80808	24.40 -1.75 0.00	22.48 -2.03 0.00	21.53 -1.70 0.00	21.97 -1.48 0.00	23.00 -1.76 0.00	25.75 -1.70 0.00	31.91 -1.96 0.00	36.46 -1.80 0.00	29.79 -1.31 0.00	26.69 -1.46 0.00	25.48 -1.01 0.00	25.31 -1.05 0.00	25.41 -1.56 0.00	26.42 -1.36 0.00	27.41 -1.53 0.00	28.63 -2.06 0.00	32.15 -2.12 0.00	36.33 -2.78 0.00	39.82 -2.81 0.00	42.09 -3.07 0.00	39.57 -2.66 0.00	32.80 -2.09 0.00	30.52 -1.74 0.00	26.81 -1.41 0.00
TEMPLE___115KV_TB 2 55572	25.86 -0.29 0.00	24.19 -0.32 0.00	22.93 -0.30 0.00	23.19 -0.26 0.00	24.44 -0.32 0.00	27.12 -0.33 0.00	33.53 -0.34 0.00	37.91 -0.34 0.00	30.84 -0.25 0.00	27.87 -0.28 0.00	26.22 -0.26 0.00	26.13 -0.24 0.00	26.70 -0.27 0.00	27.56 -0.22 0.00	28.68 -0.26 0.00	30.35 -0.34 0.00	33.83 -0.45 0.00	38.52 -0.59 0.00	42.04 -0.60 0.00	44.53 -0.63 0.00	41.69 -0.55 0.00	34.48 -0.42 0.00	31.91 -0.35 0.00	28.03 -0.20 0.00
TIANA____69_KV_BK 1 55817	28.11 1.96 0.00	26.40 1.89 0.00	24.86 1.63 0.00	25.04 1.59 0.00	26.39 1.63 0.00	29.26 1.81 0.00	36.82 2.95 0.00	41.54 3.29 0.00	32.90 1.80 0.00	29.81 1.66 0.00	27.93 1.46 0.00	27.63 1.27 0.00	28.68 1.70 -0.01	29.48 1.67 -0.03	30.72 1.77 -0.01	32.85 2.15 -0.02	36.90 2.60 -0.02	43.00 3.40 -0.49	48.63 4.43 -1.56	50.80 4.52 -1.12	48.17 4.31 -1.63	39.56 3.77 -0.90	36.27 3.58 -0.42	30.17 1.95 0.00
TILDEN___115KV_TB1 80814	25.91 -0.24 0.00	24.27 -0.25 0.00	23.00 -0.23 0.00	23.24 -0.21 0.00	24.48 -0.27 0.00	27.20 -0.25 0.00	33.60 -0.27 0.00	38.02 -0.23 0.00	30.91 -0.19 0.00	27.92 -0.23 0.00	26.27 -0.21 0.00	26.18 -0.18 0.00	26.73 -0.24 0.00	27.59 -0.19 0.00	28.74 -0.20 0.00	30.41 -0.28 0.00	33.93 -0.34 0.00	38.64 -0.47 0.00	42.21 -0.43 0.00	44.71 -0.45 0.00	41.85 -0.38 0.00	34.58 -0.31 0.00	32.01 -0.26 0.00	28.08 -0.14 0.00



TRIGEN___CC 323695	27.95 1.80 0.00	26.20 1.69 0.00	24.67 1.44 0.00	24.86 1.41 0.00	26.24 1.49 0.00	29.07 1.62 0.00	36.21 2.34 0.00	40.85 2.60 0.00	33.15 2.05 0.00	30.13 1.97 -0.01	28.46 1.96 -0.02	28.20 1.82 -0.02	29.29 2.18 -0.13	30.20 2.17 -0.25	31.42 2.34 -0.13	33.57 2.67 -0.21	37.46 2.98 -0.21	46.35 3.48 -3.76	57.86 3.50 -11.73	57.32 3.70 -8.45	57.96 3.46 -12.27	44.61 2.97 -6.75	38.17 2.84 -3.07	30.18 1.95 -0.01
TRINITY___115KV___4 BK 55933	26.91 0.76 0.00	25.20 0.69 0.00	23.86 0.63 0.00	24.03 0.59 0.00	25.40 0.64 0.00	28.11 0.66 0.00	34.79 0.91 0.00	39.21 0.96 0.00	31.87 0.78 0.00	28.88 0.73 0.00	27.14 0.66 0.00	27.03 0.66 0.00	27.70 0.73 0.00	28.48 0.69 0.00	29.70 0.75 0.00	31.61 0.92 0.00	35.34 1.06 0.00	40.44 1.33 0.00	44.08 1.45 0.00	46.74 1.58 0.00	43.67 1.44 0.00	36.08 1.19 0.00	33.43 1.16 0.00	29.07 0.85 0.00
UNION___PROCESSING_DRP 323587	24.92 -1.23 0.00	23.09 -1.42 0.00	22.05 -1.18 0.00	22.44 -1.01 0.00	23.54 -1.21 0.00	26.30 -1.15 0.00	32.55 -1.32 0.00	37.14 -1.11 0.00	30.28 -0.81 0.00	27.25 -0.90 0.00	25.85 -0.64 0.00	25.76 -0.61 0.00	26.06 -0.92 0.00	27.03 -0.75 0.00	28.05 -0.90 0.00	29.43 -1.26 0.00	33.11 -1.17 0.00	37.50 -1.60 0.00	41.01 -1.62 0.00	43.40 -1.76 0.00	40.76 -1.48 0.00	33.67 -1.22 0.00	31.30 -0.97 0.00	27.43 -0.79 0.00
UPPER HUDSON___HYD 24058	27.69 1.54 0.00	25.88 1.37 0.00	24.51 1.28 0.00	24.69 1.24 0.00	26.12 1.36 0.00	28.99 1.54 0.00	35.97 2.10 0.00	40.55 2.30 0.00	32.71 1.62 0.00	29.56 1.41 0.00	27.78 1.30 0.00	27.63 1.27 0.00	28.65 1.67 0.00	29.51 1.72 0.00	30.80 1.85 0.00	31.67 0.98 0.00	35.47 1.20 0.00	40.75 1.64 0.00	44.47 1.83 0.00	47.20 2.03 0.00	44.01 1.77 0.00	36.33 1.43 0.00	33.65 1.39 0.00	29.98 1.75 0.00
UPPER RAQUET___HYD 24056	25.31 -0.84 0.00	23.83 -0.69 0.00	22.60 -0.63 0.00	22.86 -0.59 0.00	24.29 -0.47 0.00	26.90 -0.55 0.00	32.82 -1.05 0.00	36.80 -1.45 0.00	29.73 -1.37 0.00	26.97 -1.18 0.00	25.37 -1.11 0.00	25.23 -1.13 0.00	25.87 -1.11 0.00	26.73 -1.06 0.00	27.84 -1.10 0.00	29.43 -1.26 0.00	32.77 -1.51 0.00	37.31 -1.80 0.00	40.67 -1.96 0.00	43.04 -2.12 0.00	40.25 -1.98 0.00	33.15 -1.74 0.00	30.69 -1.58 0.00	26.79 -1.44 0.00
VALLEY44_115KV_TB2 355964	24.79 -1.36 0.00	22.94 -1.57 0.00	21.95 -1.28 0.00	22.32 -1.13 0.00	23.27 -1.49 0.00	26.19 -1.26 0.00	32.21 -1.66 0.00	36.76 -1.49 0.00	30.19 -0.90 0.00	26.94 -1.21 0.00	25.71 -0.77 0.00	25.44 -0.92 0.00	25.49 -1.48 0.00	26.42 -1.36 0.00	27.44 -1.51 0.00	28.78 -1.90 0.00	32.22 -2.06 0.00	36.64 -2.46 0.00	40.37 -2.26 0.00	42.59 -2.57 0.00	39.91 -2.32 0.00	33.08 -1.81 0.00	30.62 -1.65 0.00	27.04 -1.19 0.00
VALLEY___115KV_TB 1-4 80826	25.42 -0.73 0.00	23.87 -0.64 0.00	22.63 -0.60 0.00	22.82 -0.63 0.00	24.14 -0.62 0.00	26.79 -0.66 0.00	32.86 -1.02 0.00	37.18 -1.07 0.00	30.07 -1.03 0.00	27.19 -0.96 0.00	25.61 -0.87 0.00	25.58 -0.79 0.00	26.14 -0.84 0.00	26.92 -0.86 0.00	28.05 -0.90 0.00	29.70 -0.98 0.00	33.21 -1.06 0.00	37.74 -1.37 0.00	41.18 -1.45 0.00	43.36 -1.81 0.00	40.33 -1.90 0.00	33.22 -1.67 0.00	30.59 -1.68 0.00	26.64 -1.58 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	27.40 1.26 0.00	25.66 1.15 0.00	24.32 1.09 0.00	24.53 1.08 0.00	25.92 1.16 0.00	28.77 1.32 0.00	35.50 1.63 0.00	40.32 2.07 0.00	32.74 1.65 0.00	29.50 1.35 0.00	27.75 1.27 0.00	27.66 1.29 0.00	28.27 1.29 0.00	29.14 1.36 0.00	30.39 1.45 0.00	32.31 1.63 0.00	36.26 1.99 0.00	41.30 2.19 0.00	45.19 2.56 0.00	47.83 2.66 0.00	44.68 2.45 0.00	36.85 1.95 0.00	34.01 1.74 0.00	29.69 1.47 0.00
VISCHER___FERRY HYD 24020	27.27 1.12 0.00	25.52 1.01 0.00	24.16 0.93 0.00	24.34 0.89 0.00	25.70 0.94 0.00	28.49 1.04 0.00	35.36 1.49 0.00	39.86 1.61 0.00	32.30 1.21 0.00	29.22 1.07 0.00	27.46 0.98 0.00	27.31 0.95 0.00	28.03 1.05 0.00	28.84 1.06 0.00	30.07 1.13 0.00	31.88 1.20 0.00	35.75 1.47 0.00	40.94 1.84 0.00	44.68 2.05 0.00	47.42 2.26 0.00	44.30 2.07 0.00	36.64 1.74 0.00	33.81 1.55 0.00	29.50 1.27 0.00
V_A_10_SYNC_DSASP 323832	24.14 -2.01 0.00	22.50 -2.01 0.00	21.37 -1.86 0.00	21.90 -1.55 0.00	22.97 -1.78 0.00	25.69 -1.76 0.00	31.13 -2.74 0.00	36.30 -1.95 0.00	29.69 -1.40 0.00	26.68 -1.46 0.00	25.34 -1.14 0.00	25.21 -1.16 0.00	25.44 -1.54 0.00	26.39 -1.39 0.00	27.09 -1.85 0.00	28.66 -2.03 0.00	32.18 -2.09 0.00	36.41 -2.70 0.00	39.99 -2.64 0.00	42.14 -3.03 0.00	39.58 -2.66 0.00	32.84 -2.06 0.00	30.62 -1.64 0.00	26.81 -1.41 0.00
V_CMM_10_SYNC_DSASP 323787	25.76 -0.39 0.00	24.22 -0.29 0.00	22.98 -0.26 0.00	23.24 -0.21 0.00	24.63 -0.12 0.00	27.26 -0.19 0.00	33.53 -0.34 0.00	37.64 -0.61 0.00	30.50 -0.59 0.00	27.70 -0.45 0.00	26.09 -0.40 0.00	25.94 -0.42 0.00	26.60 -0.38 0.00	27.37 -0.42 0.00	28.51 -0.43 0.00	30.19 -0.49 0.00	33.66 -0.62 0.00	38.32 -0.78 0.00	41.70 -0.94 0.00	44.17 -0.99 0.00	41.31 -0.93 0.00	34.06 -0.84 0.00	31.56 -0.71 0.00	27.58 -0.65 0.00
V_CMP_10_SYNC_DSASP 323788	25.68 -0.47 0.00	24.29 -0.22 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.93 0.17 0.00	27.62 0.17 0.00	34.04 0.17 0.00	38.10 -0.15 0.00	30.81 -0.28 0.00	28.49 0.34 0.00	26.80 0.32 0.00	26.63 0.26 0.00	27.30 0.32 0.00	28.06 0.28 0.00	29.15 0.20 0.00	30.78 0.09 0.00	34.27 0.00 0.00	38.95 -0.16 0.00	42.34 -0.30 0.00	44.30 -0.86 0.00	41.39 -0.84 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.49 -0.73 0.00
V_D_10_SYNC_DSASP 323841	25.84 -0.31 0.00	24.31 -0.20 0.00	23.07 -0.16 0.00	23.31 -0.14 0.00	24.73 -0.02 0.00	27.37 -0.08 0.00	33.64 -0.24 0.00	37.72 -0.54 0.00	30.53 -0.56 0.00	27.75 -0.39 0.00	26.11 -0.37 0.00	26.00 -0.37 0.00	26.62 -0.35 0.00	27.42 -0.36 0.00	28.57 -0.38 0.00	30.26 -0.43 0.00	33.72 -0.55 0.00	38.40 -0.70 0.00	41.78 -0.85 0.00	44.26 -0.90 0.00	41.39 -0.84 0.00	34.13 -0.77 0.00	31.62 -0.65 0.00	27.63 -0.59 0.00
V_E_10_SYNC_DSASP 323830	27.61 1.46 0.00	25.86 1.35 0.00	24.51 1.28 0.00	24.76 1.31 0.00	26.19 1.44 0.00	29.21 1.76 0.00	35.97 2.10 0.00	41.08 2.83 0.00	33.05 1.96 0.00	29.44 1.30 0.00	27.68 1.19 0.00	27.58 1.21 0.00	28.05 1.08 0.00	29.00 1.22 0.00	30.19 1.24 0.00	32.16 1.47 0.00	36.33 2.06 0.00	41.30 2.19 0.00	45.57 2.94 0.00	48.10 2.93 0.00	44.81 2.58 0.00	36.74 1.85 0.00	33.85 1.58 0.00	29.50 1.27 0.00
V_F_30_NSYNC___DSASP 323816	27.53 1.38 0.00	25.79 1.27 0.00	24.39 1.16 0.00	24.60 1.15 0.00	25.99 1.24 0.00	28.82 1.37 0.00	35.73 1.86 0.00	40.28 2.03 0.00	32.55 1.46 0.00	29.44 1.30 0.00	27.65 1.16 0.00	27.50 1.13 0.00	28.38 1.40 0.00	29.20 1.42 0.00	30.48 1.53 0.00	32.00 1.32 0.00	35.88 1.61 0.00	41.18 2.07 0.00	44.93 2.30 0.00	47.69 2.53 0.00	44.51 2.28 0.00	36.78 1.88 0.00	34.01 1.74 0.00	29.80 1.58 0.00



V_F_30_SYNC_DSASP 323786	26.96 0.81 0.00	25.25 0.74 0.00	23.88 0.65 0.00	24.08 0.63 0.00	25.45 0.69 0.00	28.16 0.71 0.00	34.85 0.98 0.00	39.29 1.03 0.00	31.93 0.84 0.00	28.94 0.79 0.00	27.22 0.74 0.00	27.08 0.71 0.00	27.78 0.81 0.00	28.56 0.78 0.00	29.78 0.84 0.00	31.70 1.01 0.00	35.44 1.17 0.00	40.55 1.45 0.00	44.17 1.53 0.00	46.83 1.67 0.00	43.76 1.52 0.00	36.15 1.26 0.00	33.46 1.19 0.00	29.13 0.90 0.00
V_XM_10_SYNC_DSASP 323789	25.68 -0.47 0.00	24.29 -0.22 0.00	23.11 -0.12 0.00	23.42 -0.02 0.00	24.93 0.17 0.00	27.62 0.17 0.00	34.04 0.17 0.00	38.10 -0.15 0.00	30.81 -0.28 0.00	28.49 0.34 0.00	26.80 0.32 0.00	26.63 0.26 0.00	27.30 0.32 0.00	28.06 0.28 0.00	29.15 0.20 0.00	30.78 0.09 0.00	34.27 0.00 0.00	38.95 -0.16 0.00	42.34 -0.30 0.00	44.30 -0.86 0.00	41.39 -0.84 0.00	34.09 -0.80 0.00	31.56 -0.71 0.00	27.49 -0.73 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	27.54 1.39 0.00	25.84 1.32 0.00	24.46 1.23 0.00	24.62 1.17 0.00	26.00 1.24 0.00	28.88 1.43 0.00	35.73 1.86 0.00	40.47 2.22 0.00	33.05 1.96 0.00	29.95 1.80 0.00	28.10 1.62 0.00	28.00 1.63 0.00	28.73 1.75 0.00	29.50 1.72 0.00	30.85 1.91 0.00	32.96 2.27 0.00	36.74 2.47 0.00	42.00 2.89 0.00	45.66 3.03 0.00	48.37 3.21 0.00	45.19 2.96 0.00	37.41 2.51 0.00	34.43 2.16 0.00	29.89 1.67 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	27.77 1.62 0.00	26.08 1.57 0.00	24.62 1.39 0.00	24.78 1.34 0.00	26.17 1.41 0.00	28.93 1.48 0.00	35.84 1.96 0.00	40.55 2.30 0.00	33.21 2.11 0.00	30.23 2.08 0.00	28.31 1.83 0.00	28.21 1.85 0.00	28.97 2.00 0.00	29.75 1.97 0.00	31.08 2.14 0.00	33.23 2.55 0.00	37.19 2.91 0.00	42.47 3.36 0.00	45.96 3.33 0.00	48.64 3.48 0.00	45.44 3.21 0.00	37.58 2.69 0.00	34.56 2.29 0.00	30.03 1.81 0.00
W50THST__13_KV_LOAD 356117	27.88 1.73 0.00	26.18 1.67 0.00	24.72 1.49 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.04 1.59 0.00	36.01 2.13 0.00	40.74 2.49 0.00	33.39 2.30 0.00	30.40 2.25 0.00	28.47 1.99 0.00	28.37 2.00 0.00	29.13 2.16 0.00	29.95 2.17 0.00	31.29 2.34 0.00	33.42 2.73 0.00	37.39 3.12 0.00	42.70 3.60 0.00	46.22 3.58 0.00	48.87 3.70 0.00	45.66 3.42 0.00	37.76 2.86 0.00	34.69 2.42 0.00	30.17 1.95 0.00
WADING RIVER_IC_1 23522	28.29 2.14 0.00	26.33 1.81 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.80 1.71 0.00	29.69 1.55 0.00	27.88 1.40 0.00	27.58 1.21 0.00	28.47 1.48 -0.01	29.25 1.44 -0.03	30.57 1.62 -0.01	32.61 1.90 -0.02	36.63 2.33 -0.02	42.61 3.01 -0.49	48.02 3.84 -1.55	50.48 4.20 -1.12	47.95 4.10 -1.62	39.42 3.63 -0.89	35.94 3.26 -0.42	29.97 1.75 0.00
WADING RIVER_IC_2 23547	28.29 2.14 0.00	26.33 1.81 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.80 1.71 0.00	29.69 1.55 0.00	27.88 1.40 0.00	27.58 1.21 0.00	28.47 1.48 -0.01	29.25 1.44 -0.03	30.57 1.62 -0.01	32.61 1.90 -0.02	36.63 2.33 -0.02	42.61 3.01 -0.49	48.02 3.84 -1.55	50.48 4.20 -1.12	47.95 4.10 -1.62	39.42 3.63 -0.89	35.94 3.26 -0.42	29.97 1.75 0.00
WADING RIVER_IC_3 23601	28.29 2.14 0.00	26.33 1.81 0.00	25.11 1.88 0.00	25.28 1.83 0.00	26.32 1.56 0.00	29.15 1.70 0.00	36.92 3.05 0.00	41.54 3.29 0.00	32.80 1.71 0.00	29.69 1.55 0.00	27.88 1.40 0.00	27.58 1.21 0.00	28.47 1.48 -0.01	29.25 1.44 -0.03	30.57 1.62 -0.01	32.61 1.90 -0.02	36.63 2.33 -0.02	42.61 3.01 -0.49	48.02 3.84 -1.55	50.48 4.20 -1.12	47.95 4.10 -1.62	39.42 3.63 -0.89	35.94 3.26 -0.42	29.97 1.75 0.00
WALDENNY_12_KV_BK2 80841	24.53 -1.62 0.00	22.62 -1.89 0.00	21.67 -1.56 0.00	22.09 -1.36 0.00	23.07 -1.68 0.00	25.86 -1.59 0.00	32.01 -1.86 0.00	36.57 -1.68 0.00	29.97 -1.12 0.00	26.77 -1.38 0.00	25.64 -0.85 0.00	25.44 -0.92 0.00	25.49 -1.48 0.00	26.48 -1.31 0.00	27.50 -1.45 0.00	28.72 -1.96 0.00	32.15 -2.12 0.00	36.33 -2.78 0.00	39.91 -2.73 0.00	42.09 -3.07 0.00	39.53 -2.70 0.00	32.80 -2.09 0.00	30.49 -1.77 0.00	26.81 -1.41 0.00
WALDEN__HYDRO 24148	27.43 1.28 0.00	25.71 1.20 0.00	24.35 1.12 0.00	24.50 1.06 0.00	25.87 1.11 0.00	28.66 1.21 0.00	35.40 1.52 0.00	40.05 1.80 0.00	32.65 1.55 0.00	29.58 1.44 0.00	27.75 1.27 0.00	27.66 1.29 0.00	28.38 1.40 0.00	29.14 1.36 0.00	30.45 1.51 0.00	32.50 1.81 0.00	36.40 2.12 0.00	41.65 2.54 0.00	45.28 2.64 0.00	48.01 2.85 0.00	44.90 2.66 0.00	37.16 2.27 0.00	34.20 1.94 0.00	29.72 1.50 0.00
WARRENSBURG____ 23737	27.67 1.52 0.00	25.88 1.37 0.00	24.48 1.25 0.00	24.69 1.24 0.00	26.12 1.36 0.00	28.99 1.54 0.00	35.94 2.07 0.00	40.55 2.30 0.00	32.71 1.62 0.00	29.56 1.41 0.00	27.75 1.27 0.00	27.63 1.27 0.00	28.65 1.67 0.00	29.48 1.69 0.00	30.77 1.82 0.00	31.67 0.98 0.00	35.47 1.20 0.00	40.75 1.64 0.00	44.47 1.83 0.00	47.19 2.03 0.00	44.01 1.77 0.00	36.32 1.43 0.00	33.65 1.39 0.00	29.97 1.75 0.00
WATERSIDE____6 8 9 23538	27.90 1.75 0.00	26.18 1.67 0.00	24.72 1.49 0.00	24.88 1.43 0.00	26.27 1.51 0.00	29.02 1.56 0.00	35.94 2.07 0.00	40.62 2.37 0.00	33.33 2.24 0.00	30.35 2.20 -0.01	28.42 1.93 0.00	28.33 1.95 -0.01	29.09 2.10 -0.01	29.87 2.08 -0.01	31.21 2.26 -0.01	33.33 2.64 -0.01	37.29 3.02 0.00	42.55 3.44 0.00	45.96 3.33 0.00	48.59 3.43 0.00	45.44 3.21 0.00	37.72 2.83 0.00	34.65 2.39 0.00	30.17 1.95 0.00
WATKINRD_115KV_LN8_ILLION 55919	25.86 -0.29 0.00	24.27 -0.25 0.00	23.00 -0.23 0.00	23.19 -0.26 0.00	24.51 -0.25 0.00	27.20 -0.25 0.00	33.47 -0.41 0.00	37.87 -0.38 0.00	30.69 -0.40 0.00	27.76 -0.39 0.00	26.11 -0.37 0.00	26.05 -0.32 0.00	26.62 -0.35 0.00	27.42 -0.36 0.00	28.57 -0.38 0.00	30.32 -0.37 0.00	33.86 -0.41 0.00	38.60 -0.51 0.00	42.08 -0.55 0.00	44.49 -0.68 0.00	41.52 -0.72 0.00	34.23 -0.66 0.00	31.59 -0.68 0.00	27.58 -0.65 0.00
WATSON____69_KV_BK 1 55734	28.53 2.38 0.00	26.72 2.21 0.00	25.14 1.90 0.00	25.32 1.88 0.00	26.74 1.98 0.00	29.65 2.20 0.00	37.12 3.25 0.00	41.89 3.63 0.00	33.67 2.58 0.00	30.60 2.45 0.00	28.78 2.30 0.00	28.45 2.08 0.00	29.23 2.24 -0.02	29.80 1.97 -0.04	31.60 2.63 -0.02	33.21 2.49 -0.04	37.25 2.95 -0.03	43.50 3.68 -0.72	49.04 4.14 -2.28	51.18 4.38 -1.64	48.71 4.10 -2.38	39.73 3.52 -1.31	36.14 3.26 -0.62	30.76 2.54 0.00
WDELAWARE__HYD 323627	27.48 1.33 0.00	25.71 1.20 0.00	24.39 1.16 0.00	24.53 1.08 0.00	25.90 1.14 0.00	28.69 1.24 0.00	35.50 1.63 0.00	40.01 1.76 0.00	32.55 1.46 0.00	29.36 1.21 0.00	27.57 1.09 0.00	27.53 1.16 0.00	28.16 1.19 0.00	28.86 1.08 0.00	30.21 1.27 0.00	32.22 1.53 0.00	36.12 1.85 0.00	41.37 2.27 0.00	44.98 2.34 0.00	47.78 2.62 0.00	44.68 2.45 0.00	36.95 2.06 0.00	34.04 1.77 0.00	29.58 1.35 0.00



WEST BABYLON___IC 23714	28.40 2.25 0.00	26.60 2.08 0.00	25.02 1.79 0.00	25.21 1.76 0.00	26.61 1.86 0.00	29.48 2.03 0.00	36.89 3.01 0.00	41.62 3.37 0.00	33.55 2.46 0.00	30.49 2.34 0.00	28.71 2.22 0.00	28.40 2.03 0.00	29.36 2.35 -0.03	30.08 2.22 -0.07	31.55 2.58 -0.03	33.54 2.79 -0.06	37.55 3.22 -0.06	44.16 3.91 -1.14	50.48 4.26 -3.58	52.26 4.52 -2.58	50.21 4.22 -3.75	40.59 3.63 -2.06	36.63 3.42 -0.95	30.65 2.43 0.00
WEST CANADA___HYD 24049	26.28 0.13 0.00	24.61 0.10 0.00	23.32 0.09 0.00	23.52 0.07 0.00	24.86 0.10 0.00	27.56 0.11 0.00	34.01 0.14 0.00	38.45 0.19 0.00	31.22 0.12 0.00	28.23 0.08 0.00	26.56 0.08 0.00	26.47 0.11 0.00	27.08 0.11 0.00	27.87 0.08 0.00	29.06 0.12 0.00	30.81 0.12 0.00	34.45 0.17 0.00	39.30 0.20 0.00	42.89 0.26 0.00	45.39 0.23 0.00	42.45 0.21 0.00	35.03 0.14 0.00	32.40 0.13 0.00	28.31 0.08 0.00
WESTERN_NY_WIND 24143	24.76 -1.39 0.00	22.84 -1.67 0.00	21.88 -1.35 0.00	22.32 -1.13 0.00	23.37 -1.39 0.00	26.19 -1.26 0.00	32.45 -1.42 0.00	37.07 -1.19 0.00	30.22 -0.87 0.00	27.08 -1.07 0.00	25.79 -0.69 0.00	25.66 -0.71 0.00	25.76 -1.21 0.00	26.81 -0.97 0.00	27.81 -1.13 0.00	29.09 -1.60 0.00	32.66 -1.61 0.00	36.99 -2.11 0.00	40.50 -2.13 0.00	42.90 -2.26 0.00	40.33 -1.90 0.00	33.36 -1.54 0.00	31.04 -1.23 0.00	27.21 -1.02 0.00
WESTOVER___LESR 323668	26.12 -0.03 0.00	24.39 -0.12 0.00	23.16 -0.07 0.00	23.42 -0.02 0.00	24.66 -0.10 0.00	27.45 0.00 0.00	33.91 0.03 0.00	38.41 0.15 0.00	31.31 0.22 0.00	28.21 0.06 0.00	26.61 0.13 0.00	26.47 0.11 0.00	26.95 -0.03 0.00	27.81 0.03 0.00	28.97 0.03 0.00	30.65 -0.03 0.00	34.27 0.00 0.00	39.07 -0.04 0.00	42.76 0.13 0.00	45.25 0.09 0.00	42.36 0.13 0.00	35.00 0.10 0.00	32.36 0.10 0.00	28.37 0.14 0.00
WETHRSFD_WT_PWR 323626	24.63 -1.52 0.00	22.94 -1.57 0.00	21.79 -1.44 0.00	22.28 -1.17 0.00	23.35 -1.41 0.00	26.13 -1.32 0.00	31.77 -2.10 0.00	36.72 -1.53 0.00	29.88 -1.21 0.00	26.74 -1.41 0.00	25.42 -1.06 0.00	25.23 -1.13 0.00	25.41 -1.57 0.00	26.37 -1.42 0.00	27.15 -1.79 0.00	28.69 -1.99 0.00	32.22 -2.06 0.00	36.57 -2.54 0.00	40.29 -2.34 0.00	42.45 -2.71 0.00	39.78 -2.45 0.00	32.97 -1.92 0.00	30.62 -1.64 0.00	26.90 -1.33 0.00
WHAVSTOR_138KV_BK127 55557	27.48 1.33 0.00	25.76 1.25 0.00	24.41 1.18 0.00	24.57 1.13 0.00	25.92 1.16 0.00	28.71 1.26 0.00	35.50 1.63 0.00	40.17 1.91 0.00	32.83 1.74 0.00	29.81 1.66 0.00	27.97 1.48 0.00	27.84 1.48 0.00	28.57 1.59 0.00	29.34 1.56 0.00	30.65 1.71 0.00	32.71 2.03 0.00	36.64 2.36 0.00	41.88 2.78 0.00	45.49 2.86 0.00	48.19 3.03 0.00	45.02 2.79 0.00	37.27 2.37 0.00	34.30 2.03 0.00	29.78 1.55 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	27.48 1.33 0.00	25.76 1.25 0.00	24.41 1.18 0.00	24.57 1.13 0.00	25.92 1.16 0.00	28.71 1.26 0.00	35.50 1.63 0.00	40.17 1.91 0.00	32.83 1.74 0.00	29.81 1.66 0.00	27.97 1.48 0.00	27.84 1.48 0.00	28.57 1.59 0.00	29.34 1.56 0.00	30.65 1.71 0.00	32.71 2.03 0.00	36.64 2.36 0.00	41.88 2.78 0.00	45.49 2.86 0.00	48.19 3.03 0.00	45.02 2.79 0.00	37.27 2.37 0.00	34.30 2.03 0.00	29.78 1.55 0.00
WHITEHAL_115KV_TB1 80871	28.08 1.94 0.00	26.25 1.74 0.00	24.83 1.60 0.00	25.04 1.59 0.00	26.54 1.78 0.00	29.43 1.98 0.00	36.51 2.64 0.00	41.20 2.95 0.00	33.15 2.05 0.00	29.89 1.75 0.00	28.04 1.56 0.00	27.92 1.56 0.00	28.92 1.94 0.00	29.75 1.97 0.00	31.08 2.14 0.00	32.16 1.47 0.00	36.05 1.78 0.00	41.57 2.46 0.00	45.41 2.77 0.00	48.19 3.03 0.00	44.94 2.70 0.00	37.06 2.16 0.00	34.30 2.03 0.00	30.43 2.20 0.00
WHITEPLN_13_KV_LOAD 356215	27.82 1.67 0.00	26.08 1.57 0.00	24.65 1.42 0.00	24.81 1.36 0.00	26.24 1.49 0.00	29.02 1.56 0.00	35.94 2.07 0.00	40.70 2.45 0.00	33.27 2.18 0.00	30.20 2.05 0.00	28.36 1.88 0.00	28.27 1.90 0.00	29.02 2.05 0.00	29.84 2.06 0.00	31.17 2.23 0.00	33.29 2.61 0.00	37.29 3.02 0.00	42.63 3.52 0.00	46.26 3.62 0.00	48.96 3.79 0.00	45.66 3.42 0.00	37.83 2.93 0.00	34.75 2.48 0.00	30.14 1.92 0.00
WM_FLOYD_69_KV_BK2 356380	28.11 1.96 0.00	26.40 1.89 0.00	24.86 1.63 0.00	25.02 1.57 0.00	26.39 1.63 0.00	29.24 1.78 0.00	36.75 2.88 0.00	41.47 3.21 0.00	32.96 1.87 0.00	29.89 1.75 0.00	28.07 1.59 0.00	27.73 1.37 0.00	28.79 1.81 -0.01	29.59 1.78 -0.03	30.84 1.88 -0.01	32.98 2.27 -0.02	37.00 2.71 -0.02	43.09 3.48 -0.50	48.58 4.35 -1.59	50.78 4.47 -1.15	48.17 4.27 -1.67	39.58 3.77 -0.92	36.24 3.55 -0.43	30.23 2.00 0.00
WOODARD___115KV_TB2 355635	25.81 -0.34 0.00	24.17 -0.34 0.00	22.90 -0.33 0.00	23.14 -0.30 0.00	24.39 -0.37 0.00	27.09 -0.36 0.00	33.47 -0.41 0.00	37.83 -0.42 0.00	30.75 -0.34 0.00	27.78 -0.37 0.00	26.16 -0.32 0.00	26.08 -0.29 0.00	26.62 -0.35 0.00	27.50 -0.28 0.00	28.62 -0.32 0.00	30.26 -0.43 0.00	33.76 -0.51 0.00	38.44 -0.66 0.00	41.95 -0.68 0.00	44.44 -0.72 0.00	41.60 -0.63 0.00	34.37 -0.52 0.00	31.85 -0.42 0.00	27.97 -0.25 0.00
YORK___WARBASSE 23770	28.12 1.96 0.00	26.38 1.86 0.00	24.88 1.65 0.00	25.04 1.59 0.00	26.47 1.71 0.00	29.18 1.73 0.00	36.14 2.27 0.00	40.85 2.60 0.00	33.49 2.39 0.00	30.49 2.34 -0.01	28.55 2.07 0.00	28.46 2.08 -0.01	29.22 2.24 -0.01	30.01 2.22 -0.01	31.38 2.43 -0.01	33.55 2.85 -0.01	37.53 3.26 0.00	42.74 3.64 0.00	46.09 3.45 0.00	48.78 3.61 0.00	45.61 3.38 0.00	37.96 3.07 0.00	34.91 2.65 0.00	30.37 2.15 0.00