

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$		--- Marginal Cost of Losses										--- Marginal Cost of Congestion										08/03/2024			
Generator Data																									
Name		00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID		EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1		31.83	32.85	30.60	26.13	28.26	35.37	28.76	28.05	31.57	35.21	43.27	42.30	39.23	41.14	45.19	47.82	47.80	47.18	45.88	45.27	34.51	32.60	37.34	35.13
24138		2.05	1.99	1.84	1.72	1.74	2.05	1.78	1.92	2.18	2.45	3.40	3.95	3.82	3.95	4.20	4.29	4.25	3.94	3.51	2.63	2.31	2.23	2.31	1.98
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.30	-0.07	0.00	0.00	0.00	0.00	0.00	-0.22	0.00	0.00	-4.29	-0.01	0.00	0.00	0.00
74TH STREET_GT_1		31.89	32.92	30.68	26.16	28.31	35.45	28.82	28.09	31.62	35.34	43.42	42.37	39.27	41.27	45.44	48.08	48.01	47.37	46.08	45.46	34.68	32.70	37.47	35.22
24260		2.11	2.06	1.92	1.75	1.78	2.13	1.84	1.97	2.22	2.58	3.55	4.02	3.85	4.08	4.44	4.54	4.47	4.13	3.71	2.82	2.46	2.33	2.43	2.08
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.30	-0.07	0.00	0.00	0.00	0.00	0.00	-0.22	0.00	0.00	-4.29	-0.01	0.00	0.00	0.00
74TH STREET_GT_2		31.89	32.92	30.68	26.16	28.31	35.45	28.82	28.09	31.62	35.34	43.42	42.37	39.27	41.27	45.44	48.08	48.01	47.37	46.08	45.46	34.68	32.70	37.47	35.22
24261		2.11	2.06	1.92	1.75	1.78	2.13	1.84	1.97	2.22	2.58	3.55	4.02	3.85	4.08	4.44	4.54	4.47	4.13	3.71	2.82	2.46	2.33	2.43	2.08
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.30	-0.07	0.00	0.00	0.00	0.00	0.00	-0.22	0.00	0.00	-4.29	-0.01	0.00	0.00	0.00
ADK HUDSON___FALLS		32.66	33.98	31.64	26.64	29.04	36.79	29.86	28.94	32.62	36.09	43.93	42.14	38.40	40.41	44.85	47.70	47.90	47.99	47.05	43.54	35.88	33.90	38.78	36.30
24011		2.88	3.11	2.88	2.23	2.52	3.47	2.88	2.82	3.23	3.58	4.12	3.79	2.98	3.22	3.86	4.17	4.58	4.75	4.68	4.32	3.68	3.52	3.74	3.16
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.87	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY		32.91	34.28	31.93	26.81	29.27	37.19	30.19	29.24	33.00	36.46	44.36	42.53	38.64	40.66	45.16	48.03	48.38	48.44	47.33	43.83	36.08	34.12	39.01	36.49
23798		3.14	3.41	3.17	2.40	2.75	3.87	3.21	3.12	3.61	3.95	4.56	4.18	3.22	3.47	4.16	4.50	5.06	5.20	4.96	4.61	3.88	3.74	3.97	3.35
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.87	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS		32.66	33.98	31.64	26.64	29.04	36.79	29.86	28.94	32.62	36.09	43.93	42.14	38.40	40.41	44.85	47.70	47.90	47.99	47.05	43.54	35.88	33.90	38.78	36.30
24028		2.88	3.11	2.88	2.23	2.52	3.47	2.88	2.82	3.23	3.58	4.12	3.79	2.98	3.22	3.86	4.17	4.58	4.75	4.68	4.32	3.68	3.52	3.74	3.16
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.87	0.00	0.00	0.00	0.00
ADK_NYS___DAM		31.48	32.77	30.53	25.83	28.09	35.43	28.78	27.86	31.14	34.42	42.05	40.55	37.32	39.17	43.35	45.85	45.44	45.64	44.73	41.56	34.17	32.35	36.95	34.74
23527		1.71	1.91	1.76	1.42	1.57	2.11	1.80	1.73	1.74	1.91	2.24	2.20	1.90	1.97	2.35	2.32	2.12	2.40	2.36	2.10	1.97	1.97	1.91	1.60
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.11	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP		30.19	31.34	29.20	24.79	26.92	33.87	27.48	26.63	29.83	33.01	40.40	39.02	36.03	37.92	41.89	44.38	44.11	44.06	43.09	39.76	32.69	30.87	35.34	33.33
24190		0.41	0.48	0.44	0.38	0.40	0.55	0.50	0.51	0.44	0.49	0.59	0.67	0.62	0.72	0.90	0.85	0.79	0.82	0.72	0.51	0.49	0.49	0.30	0.18
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.90	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK		29.49	30.54	28.44	24.18	26.32	32.98	26.67	25.77	29.23	32.24	39.04	37.18	34.30	35.88	39.49	42.03	41.76	41.77	41.01	37.35	31.30	29.53	34.47	32.91
355683		-0.28	-0.33	-0.31	-0.23	-0.21	-0.34	-0.31	-0.35	-0.16	-0.22	-0.77	-1.16	-1.12	-1.32	-1.51	-1.50	-1.56	-1.47	-1.36	-1.00	-0.89	-0.85	-0.57	-0.23
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR		30.87	32.09	29.89	25.36	27.54	34.67	28.08	27.16	30.45	33.60	40.97	39.49	36.39	38.21	42.18	44.79	44.78	44.85	43.95	40.45	33.35	31.48	36.03	34.00
323833		1.09	1.23	1.13	0.94	1.02	1.36	1.11	1.04	1.06	1.10	1.17	1.14	0.98	1.02	1.19	1.26	1.46	1.61	1.58	1.35	1.15	1.11	0.98	0.86
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR		30.86	32.07	29.88	25.35	27.53	34.66	28.07	27.15	30.45	33.59	40.97	39.47	36.39	38.20	42.18	44.77	44.77	44.83	43.92	40.44	33.34	31.47	36.02	33.99
323834		1.08	1.21	1.12	0.94	1.01	1.34	1.10	1.03	1.05	1.09	1.16	1.12	0.97	1.00	1.18	1.24	1.45	1.59	1.55	1.33	1.14	1.09	0.98	0.85
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.76	0.00	0.00	0.00	0.00
ALBANY___1		30.19	31.34	29.20	24.79	26.92	33.87	27.48	26.63	29.83	33.01	40.40	39.02	36.03	37.92	41.89	44.38	44.11	44.06	43.09	39.76	32.69	30.87	35.34	33.33
23571		0.41	0.48	0.44	0.38	0.40	0.55	0.50	0.51	0.44	0.49	0.59	0.67	0.62	0.72	0.90	0.85	0.79	0.82	0.72	0.51	0.49	0.49	0.30	0.18
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.90	0.00	0.00	0.00	0.00



ALBANY___2 23572	30.19 0.41 0.00	31.34 0.48 0.00	29.20 0.44 0.00	24.79 0.38 0.00	26.92 0.40 0.00	33.87 0.55 0.00	27.48 0.50 0.00	26.63 0.51 0.00	29.83 0.44 0.00	33.01 0.49 -0.05	40.40 0.59 -0.01	39.02 0.67 0.00	36.03 0.62 0.00	37.92 0.72 0.00	41.89 0.90 0.00	44.38 0.85 0.00	44.11 0.79 0.00	44.06 0.82 0.00	43.09 0.72 0.00	39.76 0.51 -0.90	32.69 0.49 0.00	30.87 0.49 0.00	35.34 0.30 0.00	33.33 0.18 0.00
ALBANY___3 23573	30.19 0.41 0.00	31.34 0.48 0.00	29.20 0.44 0.00	24.79 0.38 0.00	26.92 0.40 0.00	33.87 0.55 0.00	27.48 0.50 0.00	26.63 0.51 0.00	29.83 0.44 0.00	33.01 0.49 -0.05	40.40 0.59 -0.01	39.02 0.67 0.00	36.03 0.62 0.00	37.92 0.72 0.00	41.89 0.90 0.00	44.38 0.85 0.00	44.11 0.79 0.00	44.06 0.82 0.00	43.09 0.72 0.00	39.76 0.51 -0.90	32.69 0.49 0.00	30.87 0.49 0.00	35.34 0.30 0.00	33.33 0.18 0.00
ALBANY___4 23574	30.19 0.41 0.00	31.34 0.48 0.00	29.20 0.44 0.00	24.79 0.38 0.00	26.92 0.40 0.00	33.87 0.55 0.00	27.48 0.50 0.00	26.63 0.51 0.00	29.83 0.44 0.00	33.01 0.49 -0.05	40.40 0.59 -0.01	39.02 0.67 0.00	36.03 0.62 0.00	37.92 0.72 0.00	41.89 0.90 0.00	44.38 0.85 0.00	44.11 0.79 0.00	44.06 0.82 0.00	43.09 0.72 0.00	39.76 0.51 -0.90	32.69 0.49 0.00	30.87 0.49 0.00	35.34 0.30 0.00	33.33 0.18 0.00
ALBANY___LFGE 323615	30.56 0.78 0.00	31.72 0.86 0.00	29.55 0.79 0.00	25.09 0.67 0.00	27.24 0.71 0.00	34.27 0.95 0.00	27.80 0.82 0.00	26.95 0.83 0.00	30.21 0.82 0.00	33.42 0.91 -0.05	40.93 1.12 -0.01	39.52 1.17 0.00	36.49 1.08 0.00	38.42 1.22 0.00	42.46 1.46 0.00	45.02 1.49 0.00	44.76 1.44 0.00	44.72 1.48 0.00	43.73 1.37 0.00	40.34 1.09 -0.90	33.17 0.98 0.00	31.32 0.95 0.00	35.86 0.82 0.00	33.78 0.64 0.00
ALCOA_PA_115KV_PL-6C 55860	29.65 -0.13 0.00	30.69 -0.17 0.00	28.58 -0.17 0.00	24.29 -0.12 0.00	26.44 -0.08 0.00	33.12 -0.20 0.00	26.78 -0.20 0.00	25.88 -0.25 0.00	29.35 -0.04 0.00	32.36 -0.10 0.00	38.87 -0.93 0.00	37.02 -1.33 0.00	34.14 -1.28 0.00	35.72 -1.48 0.00	39.32 -1.67 0.00	41.87 -1.66 0.00	41.62 -1.70 0.00	41.65 -1.59 0.00	40.91 -1.46 0.00	37.28 -1.07 0.00	31.25 -0.94 0.00	29.48 -0.89 0.00	34.68 -0.37 0.00	33.08 -0.06 0.00
ALCOA_RYNLDS___DRP 24188	29.65 -0.13 0.00	30.69 -0.17 0.00	28.58 -0.17 0.00	24.29 -0.12 0.00	26.44 -0.08 0.00	33.12 -0.20 0.00	26.78 -0.20 0.00	25.88 -0.25 0.00	29.35 -0.04 0.00	32.36 -0.10 0.00	38.87 -0.93 0.00	37.02 -1.33 0.00	34.14 -1.28 0.00	35.72 -1.48 0.00	39.32 -1.67 0.00	41.87 -1.66 0.00	41.62 -1.70 0.00	41.65 -1.59 0.00	40.91 -1.46 0.00	37.28 -1.07 0.00	31.25 -0.94 0.00	29.48 -0.89 0.00	34.68 -0.37 0.00	33.08 -0.06 0.00
ALCOA___DSASP 323711	29.65 -0.13 0.00	30.69 -0.17 0.00	28.58 -0.17 0.00	24.29 -0.12 0.00	26.44 -0.08 0.00	33.12 -0.19 0.00	26.78 -0.20 0.00	25.88 -0.25 0.00	29.35 -0.04 0.00	32.37 -0.10 0.00	38.87 -0.93 0.00	37.02 -1.33 0.00	34.14 -1.28 0.00	35.72 -1.48 0.00	39.32 -1.68 0.00	41.87 -1.66 0.00	41.62 -1.71 0.00	41.65 -1.59 0.00	40.91 -1.46 0.00	37.29 -1.07 0.00	31.25 -0.95 0.00	29.48 -0.89 0.00	34.68 -0.36 0.00	33.08 -0.06 0.00
ALLEGHENY___COGEN 23514	31.14 1.36 0.00	32.36 1.50 0.00	30.08 1.32 0.00	25.29 0.88 0.00	27.55 1.02 0.00	34.67 1.36 0.00	27.87 0.89 0.00	26.97 0.85 0.00	30.00 0.60 0.00	33.37 0.91 0.00	41.42 1.62 0.00	40.18 1.83 0.00	36.48 1.07 0.00	37.97 0.78 0.00	41.42 0.43 0.00	44.12 0.59 0.00	43.96 0.64 0.00	44.35 1.11 0.00	44.08 1.71 0.00	40.21 1.86 0.00	33.90 1.71 0.00	32.09 1.72 0.00	37.66 2.62 0.00	35.34 2.20 0.00
ALTAMONT_115KV_TB 2 55880	30.51 0.73 0.00	31.66 0.79 0.00	29.51 0.75 0.00	25.05 0.64 0.00	27.20 0.67 0.00	34.21 0.89 0.00	27.74 0.77 0.00	26.87 0.74 0.00	30.15 0.75 0.00	33.36 0.85 -0.05	40.87 1.07 -0.01	39.49 1.14 0.00	36.45 1.03 0.00	38.33 1.14 0.00	42.32 1.33 0.00	44.89 1.36 0.00	44.66 1.34 0.00	44.58 1.34 0.00	43.61 1.24 0.00	40.19 1.00 -0.84	33.09 0.89 0.00	31.25 0.87 0.00	35.81 0.77 0.00	33.75 0.61 0.00
ALTONA_WT_PWR 323606	30.14 0.36 0.00	31.22 0.36 0.00	29.01 0.25 0.00	24.52 0.10 0.00	26.76 0.24 0.00	33.72 0.40 0.00	27.21 0.24 0.00	26.18 0.06 0.00	29.93 0.54 0.00	33.08 0.62 0.00	40.18 0.39 0.00	38.34 -0.01 0.00	35.05 -0.37 0.00	36.76 -0.43 0.00	40.46 -0.54 0.00	42.54 -0.98 0.00	42.51 -0.81 0.00	42.69 -0.54 0.00	41.93 -0.43 0.00	38.04 -0.32 0.00	31.77 -0.42 0.00	29.91 -0.47 0.00	35.40 0.36 0.00	34.05 0.91 0.00
AMERICAN_REF_FUEL 24010	29.19 -0.58 0.00	30.11 -0.75 0.00	28.09 -0.67 0.00	23.47 -0.95 0.00	25.63 -0.89 0.00	32.25 -1.07 0.00	25.79 -1.18 0.00	24.82 -1.30 0.00	27.55 -1.85 0.00	30.90 -1.57 0.00	38.90 -0.90 0.00	37.66 -0.69 0.00	34.41 -1.00 0.00	36.13 -1.06 0.00	39.81 -1.19 0.00	42.53 -1.00 0.00	42.72 -0.61 0.00	42.86 -0.38 0.00	42.52 0.16 0.00	38.56 0.21 0.00	32.01 -0.18 0.00	30.34 -0.04 0.00	35.20 0.16 0.00	32.83 -0.31 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	30.46 0.69 0.00	31.37 0.51 0.00	29.19 0.44 0.00	24.48 0.06 0.00	26.70 0.18 0.00	33.63 0.31 0.00	26.92 -0.06 0.00	26.15 0.02 0.00	29.11 -0.29 0.00	32.66 0.19 0.00	40.97 1.17 0.00	39.82 1.48 0.00	36.45 1.04 0.00	38.41 1.21 0.00	42.28 1.29 0.00	45.10 1.57 0.00	45.07 1.75 0.00	44.94 1.71 0.00	44.73 2.36 0.00	40.56 2.22 0.00	33.73 1.53 0.00	31.89 1.51 0.00	36.84 1.81 0.00	34.07 0.93 0.00
ARTHUR KILL_GT_1 23520	31.78 1.86 -0.15	32.70 1.83 0.00	30.48 1.73 0.00	25.99 1.58 0.00	28.10 1.58 0.00	35.20 1.89 0.00	28.64 1.66 0.00	27.88 1.76 0.00	31.37 1.98 0.00	35.00 2.25 -0.30	43.02 3.15 -0.07	43.58 3.59 -1.65	70.00 3.53 -31.06	179.76 3.83 -138.74	68.93 4.09 -23.84	73.26 4.17 -25.56	70.46 4.05 -23.09	68.22 3.78 -21.20	65.59 3.23 -19.99	67.05 2.42 -26.28	38.52 2.22 -4.11	32.44 2.06 -0.01	37.17 2.12 0.00	37.47 1.77 -2.55
ARTHUR_KILL_2 23512	31.65 1.73 -0.15	32.57 1.70 0.00	30.37 1.61 0.00	25.90 1.48 0.00	27.99 1.47 0.00	35.07 1.75 0.00	28.53 1.55 0.00	27.78 1.65 0.00	31.26 1.86 0.00	34.86 2.10 -0.30	42.84 2.97 -0.07	43.40 3.41 -1.65	69.84 3.36 -31.06	179.57 3.64 -138.74	68.71 3.87 -23.84	73.03 3.94 -25.56	70.23 3.81 -23.09	67.99 3.54 -21.20	65.37 3.02 -19.99	66.85 2.22 -26.28	38.36 2.06 -4.11	32.28 1.90 -0.01	36.99 1.95 0.00	37.33 1.63 -2.55
ARTHUR_KILL_3 23513	31.64 1.75 -0.11	32.53 1.66 0.00	30.31 1.55 0.00	25.87 1.46 0.00	27.98 1.46 0.00	35.02 1.70 0.00	28.47 1.49 0.00	27.75 1.63 0.00	31.22 1.82 0.00	34.86 2.10 -0.30	42.79 2.92 -0.07	42.98 3.38 -1.25	58.38 3.24 -19.73	58.67 3.43 -18.04	44.73 3.74 0.00	47.32 3.79 0.00	47.27 3.72 -0.22	46.70 3.46 0.00	45.47 3.10 0.00	45.03 2.26 -4.42	36.09 2.00 -1.89	32.26 1.88 0.00	36.96 1.92 0.00	36.34 1.63 -1.56



ARTHUR_KILL_COGEN 323718	31.78 1.86 -0.15	32.70 1.83 0.00	30.48 1.73 0.00	25.99 1.58 0.00	28.10 1.58 0.00	35.20 1.89 0.00	28.64 1.66 0.00	27.88 1.76 0.00	31.37 1.98 0.00	35.00 2.25 -0.30	43.02 3.15 -0.07	43.58 3.59 -1.65	70.00 3.53 -31.06	179.76 3.83 -138.74	68.93 4.09 -23.84	73.26 4.17 -25.56	70.46 4.05 -23.09	68.22 3.78 -21.20	65.59 3.23 -19.99	67.05 2.42 -26.28	38.52 2.22 -4.11	32.44 2.06 -0.01	37.17 2.12 0.00	37.47 1.77 -2.55
ASHOKAN____ 23654	31.41 1.63 0.00	32.51 1.65 0.00	30.29 1.53 0.00	25.70 1.28 0.00	27.87 1.35 0.00	35.06 1.74 0.00	28.43 1.45 0.00	27.59 1.46 0.00	31.04 1.65 0.00	34.39 1.93 0.00	42.14 2.34 0.00	40.79 2.44 0.00	37.67 2.25 0.00	39.73 2.54 0.00	43.95 2.95 0.00	46.48 2.94 0.00	46.57 3.25 0.00	46.68 3.44 0.00	45.69 3.32 0.00	41.06 2.71 0.00	34.47 2.27 0.00	32.47 2.09 0.00	37.05 2.01 0.00	34.79 1.64 0.00
ASTORIA_EAST_ENERGY_CC1 323581	31.64 1.86 0.00	32.60 1.73 0.00	30.40 1.64 0.00	25.97 1.55 0.00	28.06 1.54 0.00	35.05 1.74 0.00	28.58 1.61 0.00	27.86 1.74 0.00	31.31 1.91 0.00	34.95 2.19 -0.30	42.89 3.02 -0.07	41.81 3.46 0.00	38.76 3.35 0.00	40.68 3.48 0.00	44.89 3.90 0.01	47.55 4.02 0.01	47.51 3.96 -0.22	46.86 3.62 -0.01	45.53 3.15 -0.01	44.99 2.35 -4.30	34.35 2.13 -0.02	32.37 2.00 0.00	37.12 2.09 0.00	34.92 1.78 0.00
ASTORIA_EAST_ENERGY_CC2 323582	31.64 1.86 0.00	32.60 1.73 0.00	30.40 1.64 0.00	25.97 1.55 0.00	28.06 1.54 0.00	35.05 1.74 0.00	28.58 1.61 0.00	27.86 1.74 0.00	31.31 1.91 0.00	34.95 2.19 -0.30	42.89 3.02 -0.07	41.81 3.46 0.00	38.76 3.35 0.00	40.68 3.48 0.00	44.89 3.90 0.01	47.55 4.02 0.01	47.51 3.96 -0.22	46.86 3.62 -0.01	45.53 3.15 -0.01	44.99 2.35 -4.30	34.35 2.13 -0.02	32.37 2.00 0.00	37.12 2.09 0.00	34.92 1.78 0.00
ASTORIA_GT2_1 24094	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT2_2 24095	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT2_3 24096	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT2_4 24097	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT3_1 24098	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT3_2 24099	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT3_3 24100	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT3_4 24101	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT4_1 24102	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT4_2 24103	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT4_3 24104	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00



ASTORIA_GT4_4 24105	31.66 1.88 0.00	32.61 1.75 0.00	30.42 1.66 0.00	25.97 1.56 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.90 3.03 -0.07	41.83 3.49 0.00	38.79 3.37 0.00	40.69 3.50 0.00	44.91 3.92 0.01	47.58 4.05 0.01	47.53 3.99 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.01 2.36 -4.30	34.37 2.16 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA_GT_1 23523	31.73 1.96 0.00	32.68 1.82 0.00	30.48 1.72 0.00	26.03 1.62 0.00	28.13 1.61 0.00	35.14 1.83 0.00	28.66 1.68 0.00	27.93 1.81 0.00	31.39 2.00 0.00	35.05 2.29 -0.30	43.02 3.15 -0.07	41.95 3.60 0.00	38.89 3.48 0.00	40.80 3.61 0.00	45.05 4.06 0.01	47.71 4.19 0.01	47.67 4.12 -0.22	47.02 3.77 -0.01	45.68 3.30 -0.01	45.11 2.47 -4.30	34.45 2.24 -0.02	32.48 2.10 0.00	37.25 2.21 0.00	35.02 1.88 0.00
ASTORIA_GT_10 24110	31.57 1.79 0.00	32.58 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.75 0.00	28.53 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.97 3.10 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.80 3.60 0.00	41.21 3.81 3.60	34.20 3.86 13.18	34.94 3.75 12.13	35.35 3.40 11.29	34.69 2.95 10.63	32.92 2.16 7.59	34.00 2.01 0.21	32.32 1.94 0.00	37.06 2.02 0.00	34.87 1.72 0.00
ASTORIA_GT_11 24225	31.57 1.79 0.00	32.58 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.75 0.00	28.53 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.97 3.10 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.80 3.60 0.00	41.21 3.81 3.60	34.20 3.86 13.18	34.94 3.75 12.13	35.35 3.40 11.29	34.69 2.95 10.63	32.92 2.16 7.59	34.00 2.01 0.21	32.32 1.94 0.00	37.06 2.02 0.00	34.87 1.72 0.00
ASTORIA_GT_12 24226	31.57 1.79 0.00	32.58 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.75 0.00	28.53 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.97 3.10 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.80 3.60 0.00	41.21 3.81 3.60	34.20 3.86 13.18	34.94 3.75 12.13	35.35 3.40 11.29	34.69 2.95 10.63	32.92 2.16 7.59	34.00 2.01 0.21	32.32 1.94 0.00	37.06 2.02 0.00	34.87 1.72 0.00
ASTORIA_GT_13 24227	31.57 1.79 0.00	32.58 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.75 0.00	28.53 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.97 3.10 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.80 3.60 0.00	41.21 3.81 3.60	34.20 3.86 13.18	34.94 3.75 12.13	35.35 3.40 11.29	34.69 2.95 10.63	32.92 2.16 7.59	34.00 2.01 0.21	32.32 1.94 0.00	37.06 2.02 0.00	34.87 1.72 0.00
ASTORIA_GT_5 24106	31.73 1.96 0.00	32.67 1.81 0.00	30.48 1.73 0.00	26.03 1.62 0.00	28.13 1.61 0.00	35.14 1.83 0.00	28.65 1.68 0.00	27.93 1.81 0.00	31.39 2.00 0.00	35.05 2.29 -0.30	43.02 3.15 -0.07	41.95 3.60 0.00	38.89 3.48 0.00	40.81 3.61 0.00	45.03 4.04 0.01	47.71 4.19 0.01	47.67 4.12 -0.22	47.02 3.77 -0.01	45.68 3.30 -0.01	45.12 2.47 -4.30	34.46 2.25 -0.02	32.47 2.10 0.00	37.25 2.21 0.00	35.02 1.88 0.00
ASTORIA_GT_7 24107	31.73 1.96 0.00	32.67 1.81 0.00	30.48 1.73 0.00	26.03 1.62 0.00	28.13 1.61 0.00	35.14 1.83 0.00	28.65 1.68 0.00	27.93 1.81 0.00	31.39 2.00 0.00	35.05 2.29 -0.30	43.02 3.15 -0.07	41.95 3.60 0.00	38.89 3.48 0.00	40.81 3.61 0.00	45.03 4.04 0.01	47.71 4.19 0.01	47.67 4.12 -0.22	47.02 3.77 -0.01	45.68 3.30 -0.01	45.12 2.47 -4.30	34.46 2.25 -0.02	32.47 2.10 0.00	37.25 2.21 0.00	35.02 1.88 0.00
ASTORIA_GT_8 24108	31.73 1.96 0.00	32.67 1.81 0.00	30.48 1.73 0.00	26.03 1.62 0.00	28.13 1.61 0.00	35.14 1.83 0.00	28.65 1.68 0.00	27.93 1.81 0.00	31.39 2.00 0.00	35.05 2.29 -0.30	43.02 3.15 -0.07	41.95 3.60 0.00	38.89 3.48 0.00	40.81 3.61 0.00	45.03 4.04 0.01	47.71 4.19 0.01	47.67 4.12 -0.22	47.02 3.77 -0.01	45.68 3.30 -0.01	45.12 2.47 -4.30	34.46 2.25 -0.02	32.47 2.10 0.00	37.25 2.21 0.00	35.02 1.88 0.00
ASTORIA___2 24149	31.66 1.88 0.00	32.61 1.75 0.00	30.41 1.66 0.00	25.97 1.56 0.00	28.07 1.55 0.00	35.07 1.76 0.00	28.60 1.62 0.00	27.87 1.75 0.00	31.33 1.93 0.00	34.97 2.21 -0.30	42.91 3.05 -0.07	41.83 3.48 0.00	38.79 3.37 0.00	40.69 3.49 0.00	44.92 3.93 0.01	47.59 4.06 0.01	47.53 3.98 -0.22	46.89 3.64 -0.01	45.55 3.17 -0.01	45.00 2.36 -4.30	34.36 2.15 -0.02	32.39 2.02 0.00	37.15 2.11 0.00	34.93 1.79 0.00
ASTORIA___3 23516	31.57 1.79 0.00	32.57 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.74 0.00	28.54 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.98 3.11 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.79 3.59 0.00	41.21 3.82 3.60	34.21 3.86 13.18	34.93 3.74 12.13	35.34 3.40 11.29	34.69 2.95 10.63	32.91 2.16 7.59	33.99 2.01 0.21	32.32 1.95 0.00	37.05 2.02 0.00	34.87 1.72 0.00
ASTORIA___4 23517	31.57 1.79 0.00	32.58 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.74 0.00	28.53 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.97 3.10 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.80 3.60 0.00	41.21 3.81 3.60	34.20 3.86 13.18	34.94 3.75 12.13	35.35 3.40 11.29	34.69 2.95 10.63	32.92 2.16 7.59	34.00 2.01 0.21	32.32 1.94 0.00	37.06 2.02 0.00	34.87 1.72 0.00
ASTORIA___5 23518	31.57 1.79 0.00	32.57 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.74 0.00	28.54 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.98 3.11 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.79 3.59 0.00	41.21 3.82 3.60	34.21 3.86 13.18	34.93 3.74 12.13	35.34 3.40 11.29	34.69 2.95 10.63	32.91 2.16 7.59	33.99 2.01 0.21	32.32 1.95 0.00	37.05 2.02 0.00	34.87 1.72 0.00
AST_ENERGY_2_CC3 323677	31.54 1.76 0.00	32.56 1.70 0.00	30.34 1.58 0.00	25.90 1.48 0.00	28.01 1.49 0.00	35.06 1.74 0.00	28.51 1.53 0.00	27.79 1.66 0.00	31.26 1.86 0.00	34.92 2.17 -0.30	42.88 3.00 -0.07	41.83 3.48 0.00	38.77 3.35 0.00	40.74 3.54 0.00	44.85 3.85 0.00	47.45 3.92 0.00	47.39 3.85 -0.22	46.79 3.55 0.00	45.53 3.16 0.00	44.97 2.33 -4.29	34.26 2.05 -0.01	32.32 1.94 0.00	37.02 1.98 0.00	34.83 1.69 0.00
AST_ENERGY_2_CC4 323678	31.54 1.76 0.00	32.56 1.70 0.00	30.34 1.58 0.00	25.90 1.48 0.00	28.01 1.49 0.00	35.06 1.74 0.00	28.51 1.53 0.00	27.79 1.66 0.00	31.26 1.86 0.00	34.92 2.17 -0.30	42.88 3.00 -0.07	41.83 3.48 0.00	38.77 3.35 0.00	40.74 3.54 0.00	44.85 3.85 0.00	47.45 3.92 0.00	47.39 3.85 -0.22	46.79 3.55 0.00	45.53 3.16 0.00	44.97 2.33 -4.29	34.26 2.05 -0.01	32.32 1.94 0.00	37.02 1.98 0.00	34.83 1.69 0.00



ATHENS_STG_1 23668	30.62 0.84 0.00	31.70 0.83 0.00	29.56 0.80 0.00	25.14 0.73 0.00	27.26 0.74 0.00	34.27 0.95 0.00	27.81 0.83 0.00	26.94 0.82 0.00	30.24 0.85 0.00	33.50 0.97 -0.06	41.16 1.34 -0.02	39.94 1.60 0.00	36.94 1.52 0.00	38.84 1.65 0.00	42.85 1.86 0.00	45.39 1.86 0.00	45.20 1.82 -0.05	44.94 1.70 0.00	43.89 1.53 0.00	40.46 1.12 -0.98	33.21 1.01 0.00	31.35 0.98 0.00	35.94 0.90 0.00	33.84 0.70 0.00
ATHENS_STG_2 23670	30.62 0.84 0.00	31.70 0.83 0.00	29.56 0.80 0.00	25.14 0.73 0.00	27.26 0.74 0.00	34.27 0.95 0.00	27.81 0.83 0.00	26.94 0.82 0.00	30.24 0.85 0.00	33.50 0.97 -0.06	41.16 1.34 -0.02	39.94 1.60 0.00	36.94 1.52 0.00	38.84 1.65 0.00	42.85 1.86 0.00	45.39 1.86 0.00	45.20 1.82 -0.05	44.94 1.70 0.00	43.89 1.53 0.00	40.46 1.12 -0.98	33.21 1.01 0.00	31.35 0.98 0.00	35.94 0.90 0.00	33.84 0.70 0.00
ATHENS_STG_3 23677	30.62 0.84 0.00	31.70 0.83 0.00	29.56 0.80 0.00	25.14 0.73 0.00	27.26 0.74 0.00	34.27 0.95 0.00	27.81 0.83 0.00	26.94 0.82 0.00	30.24 0.85 0.00	33.50 0.97 -0.06	41.16 1.34 -0.02	39.94 1.60 0.00	36.94 1.52 0.00	38.84 1.65 0.00	42.85 1.86 0.00	45.39 1.86 0.00	45.20 1.82 -0.05	44.94 1.70 0.00	43.89 1.53 0.00	40.46 1.12 -0.98	33.21 1.01 0.00	31.35 0.98 0.00	35.94 0.90 0.00	33.84 0.70 0.00
AUBURN___LFGE 323710	30.17 0.39 0.00	31.19 0.33 0.00	29.05 0.28 0.00	24.51 0.09 0.00	26.72 0.20 0.00	33.61 0.29 0.00	27.13 0.15 0.00	26.33 0.20 0.00	29.58 0.18 0.00	32.69 0.22 0.00	40.51 0.70 -0.01	39.24 0.89 0.00	36.26 0.84 0.00	38.08 0.89 0.00	42.22 1.07 -0.15	44.85 1.23 -0.10	44.78 1.27 -0.19	44.36 1.12 0.00	43.58 1.21 0.00	39.53 1.19 0.00	33.20 1.01 0.00	31.22 0.85 0.00	35.94 0.90 0.00	33.62 0.48 0.00
BABYLON_RES_REC 323704	31.51 1.73 0.00	32.59 1.72 0.00	30.39 1.63 0.00	25.98 1.56 0.00	28.14 1.61 0.00	35.27 1.96 0.00	28.61 1.64 0.00	27.88 1.76 0.00	31.42 2.02 0.00	35.17 2.40 -0.30	59.00 3.30 -15.90	43.90 3.71 -1.84	46.06 3.58 -7.06	40.79 3.59 0.00	44.84 3.84 0.00	79.45 4.19 -31.73	78.52 4.14 -31.06	61.79 3.79 -14.77	47.55 3.14 -2.05	44.56 1.91 -4.30	34.48 1.67 -0.62	32.06 1.68 0.00	36.84 1.80 0.00	34.80 1.66 0.00
BABYLON___69_KV_BK2 356345	32.14 2.36 0.00	33.22 2.35 0.00	30.97 2.21 0.00	26.45 2.04 0.00	28.65 2.13 0.00	35.93 2.61 0.00	29.14 2.16 0.00	28.40 2.28 0.00	32.03 2.64 0.00	35.92 3.16 -0.30	59.98 4.27 -15.90	44.90 4.71 -1.84	46.98 4.51 -7.06	41.85 4.65 0.00	45.93 4.93 0.00	88.71 5.38 -39.80	109.38 5.39 -60.67	91.77 5.00 -43.53	65.97 4.30 -19.31	45.58 2.93 -4.30	36.62 2.53 -1.89	32.76 2.38 0.00	37.60 2.56 0.00	35.23 2.10 0.00
BALL_HILL_WT_PWR 323825	29.95 0.17 0.00	30.88 0.02 0.00	28.75 -0.01 0.00	24.11 -0.31 0.00	26.31 -0.22 0.00	33.11 -0.20 0.00	26.51 -0.47 0.00	25.68 -0.44 0.00	28.61 -0.79 0.00	32.11 -0.36 0.00	40.25 0.46 0.00	39.09 0.74 0.00	35.78 0.36 0.00	37.69 0.49 0.00	41.50 0.51 0.00	44.26 0.72 0.00	44.29 0.97 0.00	44.28 1.04 0.00	43.97 1.60 0.00	39.83 1.48 0.00	33.11 0.91 0.00	31.32 0.94 0.00	36.25 1.22 0.00	33.67 0.53 0.00
BARON_WINDS___WT_PWR 323822	29.94 0.16 0.00	30.94 0.07 0.00	28.80 0.04 0.00	24.29 -0.12 0.00	26.45 -0.07 0.00	33.30 -0.02 0.00	26.76 -0.22 0.00	26.00 -0.12 0.00	29.07 -0.33 0.00	32.48 0.02 0.00	40.41 0.61 0.00	39.25 0.90 0.00	36.05 0.64 0.00	38.02 0.83 0.00	41.89 0.86 -0.04	44.54 0.98 -0.02	44.41 1.04 -0.05	44.36 1.12 0.00	43.82 1.45 0.00	39.66 1.31 0.00	33.11 0.91 0.00	31.28 0.90 0.00	36.15 1.11 0.00	33.68 0.54 0.00
BARRETT_IC_1 23704	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_10 23701	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_11 23702	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_12 23703	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_2 23705	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_3 23706	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_4 23707	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00



BARRETT_IC_5 23708	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_6 23709	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_7 23710	31.50 1.73 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.72 -1.84	46.05 3.58 -7.06	40.88 3.69 0.00	44.89 3.89 0.00	79.34 4.08 -31.72	70.04 3.95 -22.77	53.72 3.52 -6.96	45.31 2.95 0.00	44.53 1.88 -4.30	33.85 1.64 -0.01	32.04 1.67 0.00	36.77 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_8 23711	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT_IC_9 23700	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT___1 23545	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BARRETT___2 23546	31.50 1.72 0.00	32.62 1.76 0.00	30.44 1.68 0.00	26.04 1.63 0.00	28.20 1.68 0.00	35.34 2.02 0.00	28.65 1.68 0.00	27.88 1.76 0.00	31.40 2.01 0.00	35.10 2.34 -0.30	58.98 3.28 -15.90	43.90 3.71 -1.84	46.05 3.58 -7.06	40.89 3.69 0.00	44.88 3.89 0.00	79.35 4.08 -31.73	70.02 3.93 -22.77	53.70 3.51 -6.96	45.31 2.95 0.01	44.52 1.88 -4.29	33.83 1.63 0.00	32.05 1.67 0.00	36.78 1.74 0.00	34.64 1.50 0.00
BATAVIA__115KV_TB1 55881	30.46 0.68 0.00	31.36 0.50 0.00	29.21 0.46 0.00	24.44 0.03 0.00	26.66 0.14 0.00	33.55 0.23 0.00	26.89 -0.09 0.00	25.97 -0.15 0.00	28.96 -0.43 0.00	32.42 -0.04 0.00	40.80 1.00 0.00	39.57 1.22 0.00	36.30 0.89 0.00	38.08 0.89 0.00	41.87 0.87 0.00	44.65 1.12 0.00	44.83 1.51 0.00	44.95 1.71 0.00	44.52 2.16 0.00	40.39 2.04 0.00	33.66 1.47 0.00	31.90 1.52 0.00	36.89 1.85 0.00	34.35 1.21 0.00
BAYONEEC___CTG1 323682	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BAYONEEC___CTG10 323750	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BAYONEEC___CTG2 323683	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BAYONEEC___CTG3 323684	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BAYONEEC___CTG4 323685	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BAYONEEC___CTG5 323686	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BAYONEEC___CTG6 323687	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00



BAYONEEC___CTG7 323688	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BAYONEEC___CTG8 323689	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BAYONEEC___CTG9 323749	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.80 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.93 3.07 -0.07	41.88 3.53 0.00	38.81 3.39 0.00	40.76 3.57 0.00	44.87 3.88 0.00	47.48 3.94 0.00	47.42 3.87 -0.22	46.82 3.58 0.00	45.58 3.21 0.00	45.04 2.40 -4.29	34.31 2.10 -0.01	32.37 1.99 0.00	37.08 2.04 0.00	34.89 1.75 0.00
BEACON___LESR 323632	30.66 0.88 0.00	31.79 0.92 0.00	29.58 0.82 0.00	25.11 0.70 0.00	27.27 0.75 0.00	34.34 1.03 0.00	27.82 0.84 0.00	27.05 0.92 0.00	30.24 0.84 0.00	33.55 1.04 -0.05	41.09 1.28 -0.01	39.65 1.31 0.00	36.73 1.31 0.00	38.71 1.51 0.00	42.80 1.80 0.00	45.20 1.67 0.00	45.00 1.68 0.00	44.95 1.71 0.00	43.90 1.53 0.00	40.48 1.23 -0.91	33.20 1.00 0.00	31.39 1.02 0.00	35.96 0.92 0.00	33.83 0.69 0.00
BEAVER RIVER___HYD 24048	30.51 0.73 0.00	31.45 0.59 0.00	29.24 0.49 0.00	24.76 0.34 0.00	26.85 0.33 0.00	33.52 0.21 0.00	27.04 0.06 0.00	26.13 0.00 0.00	29.62 0.23 0.00	32.81 0.35 0.00	40.02 0.21 -0.01	38.65 0.30 0.00	35.80 0.38 0.00	37.69 0.50 0.00	41.58 0.49 -0.09	44.32 0.73 -0.06	44.36 0.92 -0.11	44.02 0.78 0.00	43.29 0.92 0.00	39.54 1.19 0.00	33.23 1.04 0.00	31.20 0.82 0.00	36.14 1.10 0.00	33.67 0.53 0.00
BEEBEE_GT_13 23619	30.04 0.26 0.00	31.01 0.14 0.00	28.88 0.12 0.00	24.27 -0.14 0.00	26.43 -0.09 0.00	33.25 -0.07 0.00	26.73 -0.25 0.00	25.85 -0.28 0.00	28.91 -0.48 0.00	32.30 -0.16 0.00	40.34 0.54 0.00	39.16 0.81 0.00	35.97 0.55 0.00	37.77 0.58 0.00	41.58 0.58 0.00	44.33 0.80 0.00	44.42 1.09 0.00	44.43 1.19 0.00	43.88 1.51 0.00	39.71 1.36 0.00	33.10 0.91 0.00	31.29 0.91 0.00	36.08 1.04 0.00	33.69 0.55 0.00
BENSHRST_27_KV_BENSHRST_1 355998	32.14 2.21 -0.15	33.02 2.15 0.00	30.76 2.00 0.00	26.24 1.82 0.00	28.36 1.83 0.00	35.50 2.18 0.00	28.88 1.91 0.00	28.14 2.02 0.00	31.68 2.29 0.00	35.41 2.65 -0.30	43.53 3.66 -0.07	44.13 4.13 -1.65	70.50 4.02 -31.06	180.21 4.27 -138.74	69.38 4.54 -23.84	73.72 4.64 -25.56	70.91 4.50 -23.09	68.55 4.11 -21.20	65.98 3.63 -19.99	67.39 2.76 -26.28	38.82 2.52 -4.11	32.77 2.39 -0.01	37.56 2.52 0.00	37.88 2.18 -2.55
BETHLEHEM___GRP 23843	30.19 0.41 0.00	31.34 0.48 0.00	29.20 0.44 0.00	24.79 0.38 0.00	26.92 0.40 0.00	33.87 0.55 0.00	27.48 0.50 0.00	26.63 0.51 0.00	29.83 0.44 0.00	33.01 0.49 -0.05	40.40 0.59 -0.01	39.02 0.67 0.00	36.03 0.62 0.00	37.92 0.72 0.00	41.89 0.90 0.00	44.38 0.85 0.00	44.11 0.79 0.00	44.06 0.82 0.00	43.09 0.72 0.00	39.76 0.51 -0.90	32.69 0.49 0.00	30.87 0.49 0.00	35.34 0.30 0.00	33.33 0.18 0.00
BETHLEHEM___GS1 323560	30.19 0.41 0.00	31.35 0.48 0.00	29.20 0.44 0.00	24.79 0.38 0.00	26.92 0.40 0.00	33.87 0.55 0.00	27.48 0.50 0.00	26.63 0.51 0.00	29.83 0.44 0.00	33.00 0.49 -0.05	40.41 0.60 -0.01	39.02 0.67 0.00	36.03 0.62 0.00	37.92 0.73 0.00	41.89 0.90 0.00	44.38 0.85 0.00	44.11 0.78 0.00	44.06 0.82 0.00	43.09 0.72 0.00	39.76 0.51 -0.90	32.69 0.49 0.00	30.87 0.49 0.00	35.34 0.30 0.00	33.33 0.18 0.00
BETHLEHEM___GS2 323561	30.19 0.41 0.00	31.35 0.48 0.00	29.20 0.44 0.00	24.79 0.38 0.00	26.92 0.40 0.00	33.87 0.55 0.00	27.48 0.50 0.00	26.63 0.51 0.00	29.83 0.44 0.00	33.00 0.49 -0.05	40.41 0.60 -0.01	39.02 0.67 0.00	36.03 0.62 0.00	37.92 0.73 0.00	41.89 0.90 0.00	44.38 0.85 0.00	44.11 0.78 0.00	44.06 0.82 0.00	43.09 0.72 0.00	39.76 0.51 -0.90	32.69 0.49 0.00	30.87 0.49 0.00	35.34 0.30 0.00	33.33 0.18 0.00
BETHLEHEM___GS3 323562	30.19 0.41 0.00	31.35 0.48 0.00	29.20 0.44 0.00	24.79 0.38 0.00	26.92 0.40 0.00	33.87 0.55 0.00	27.48 0.50 0.00	26.63 0.51 0.00	29.83 0.44 0.00	33.00 0.49 -0.05	40.41 0.60 -0.01	39.02 0.67 0.00	36.03 0.62 0.00	37.92 0.73 0.00	41.89 0.90 0.00	44.38 0.85 0.00	44.11 0.78 0.00	44.06 0.82 0.00	43.09 0.72 0.00	39.76 0.51 -0.90	32.69 0.49 0.00	30.87 0.49 0.00	35.34 0.30 0.00	33.33 0.18 0.00
BETHLEHEM___STEEL 23779	29.93 0.15 0.00	30.86 0.00 0.00	28.76 0.00 0.00	24.07 -0.35 0.00	26.27 -0.25 0.00	33.05 -0.26 0.00	26.45 -0.53 0.00	25.56 -0.57 0.00	28.44 -0.95 0.00	31.94 -0.53 0.00	40.13 0.34 0.00	38.88 0.53 0.00	35.57 0.15 0.00	37.42 0.23 0.00	41.20 0.21 0.00	43.99 0.46 0.00	44.08 0.76 0.00	44.15 0.91 0.00	43.86 1.50 0.00	39.72 1.37 0.00	32.97 0.77 0.00	31.22 0.84 0.00	36.15 1.11 0.00	33.64 0.50 0.00
BETHLHEM_115KV_TB1 79974	30.25 0.47 0.00	31.41 0.54 0.00	29.27 0.51 0.00	24.84 0.43 0.00	26.98 0.45 0.00	33.94 0.62 0.00	27.53 0.55 0.00	26.68 0.56 0.00	29.89 0.50 0.00	33.07 0.56 -0.05	40.51 0.70 -0.01	39.12 0.77 0.00	36.13 0.72 0.00	38.02 0.82 0.00	42.00 1.00 0.00	44.49 0.96 0.00	44.22 0.90 0.00	44.17 0.93 0.00	43.18 0.82 0.00	39.83 0.59 -0.89	32.76 0.56 0.00	30.93 0.55 0.00	35.42 0.39 0.00	33.39 0.25 0.00
BETHPAGE_CC_5 323564	31.61 1.83 0.00	32.69 1.82 0.00	30.48 1.73 0.00	26.07 1.65 0.00	28.23 1.70 0.00	35.39 2.07 0.00	28.73 1.75 0.00	27.98 1.86 0.00	31.56 2.16 0.00	35.31 2.54 -0.30	59.15 3.44 -15.90	44.07 3.89 -1.84	46.22 3.75 -7.06	41.04 3.85 0.00	45.15 4.15 0.00	79.73 4.47 -31.73	78.10 4.41 -30.37	58.59 4.00 -11.36	46.92 3.37 -1.18	44.78 2.13 -4.30	34.22 1.84 -0.19	32.15 1.77 0.00	36.95 1.91 0.00	34.68 1.54 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	29.99 0.21 0.00	30.93 0.06 0.00	28.81 0.05 0.00	24.12 -0.29 0.00	26.32 -0.20 0.00	33.12 -0.20 0.00	26.51 -0.47 0.00	25.62 -0.51 0.00	28.53 -0.87 0.00	32.04 -0.43 0.00	40.26 0.46 0.00	39.01 0.66 0.00	35.68 0.27 0.00	37.56 0.36 0.00	41.35 0.35 0.00	44.14 0.61 0.00	44.22 0.89 0.00	44.29 1.05 0.00	44.00 1.63 0.00	39.84 1.49 0.00	33.06 0.87 0.00	31.31 0.93 0.00	36.25 1.21 0.00	33.72 0.57 0.00



BINGHAMTON___COGEN 23790	29.99 0.21 0.00	31.02 0.16 0.00	28.90 0.13 0.00	24.49 0.07 0.00	26.62 0.09 0.00	33.48 0.16 0.00	27.03 0.06 0.00	26.26 0.14 0.00	29.46 0.07 0.00	32.72 0.26 0.00	40.44 0.64 -0.01	39.25 0.90 0.00	36.21 0.80 0.00	38.20 1.01 0.00	42.13 1.07 -0.07	44.72 1.15 -0.04	44.61 1.19 -0.09	44.37 1.13 0.00	43.60 1.23 0.00	39.38 1.03 0.00	32.97 0.78 0.00	31.12 0.74 0.00	35.81 0.78 0.00	33.53 0.38 0.00
BIXINCNT_115KV_LOAD 355685	30.08 0.31 0.00	31.03 0.16 0.00	28.88 0.12 0.00	24.25 -0.16 0.00	26.46 -0.07 0.00	33.30 -0.02 0.00	26.63 -0.35 0.00	25.81 -0.31 0.00	28.85 -0.55 0.00	32.42 -0.04 0.00	40.57 0.78 0.00	39.34 0.99 0.00	35.96 0.55 0.00	37.91 0.71 0.00	41.66 0.67 0.00	44.44 0.91 0.00	44.50 1.18 0.00	44.50 1.26 0.00	44.16 1.80 0.00	39.95 1.60 0.00	33.24 1.05 0.00	31.47 1.09 0.00	36.44 1.40 0.00	33.84 0.70 0.00
BLACK RIVER___HYD 24047	30.82 1.04 0.00	31.76 0.89 0.00	29.54 0.78 0.00	24.99 0.57 0.00	27.02 0.50 0.00	33.76 0.45 0.00	27.22 0.24 0.00	26.31 0.18 0.00	29.83 0.43 0.00	33.08 0.62 0.00	40.52 0.71 -0.01	39.19 0.84 0.00	36.29 0.88 0.00	38.28 1.09 0.00	42.17 1.03 -0.15	45.05 1.42 -0.09	45.05 1.53 -0.19	44.54 1.30 0.00	43.86 1.49 0.00	40.17 1.82 0.00	33.75 1.55 0.00	31.67 1.29 0.00	36.61 1.57 0.00	33.97 0.82 0.00
BLACKRVR_115KV_TB2 79977	30.82 1.04 0.00	31.76 0.89 0.00	29.54 0.78 0.00	24.99 0.57 0.00	27.02 0.50 0.00	33.76 0.44 0.00	27.22 0.24 0.00	26.31 0.18 0.00	29.83 0.43 0.00	33.08 0.62 0.00	40.52 0.71 -0.01	39.19 0.84 0.00	36.29 0.88 0.00	38.28 1.09 0.00	42.17 1.03 -0.15	45.05 1.42 -0.09	45.04 1.53 -0.19	44.54 1.31 0.00	43.86 1.49 0.00	40.17 1.82 0.00	33.75 1.55 0.00	31.67 1.29 0.00	36.61 1.57 0.00	33.97 0.83 0.00
BLISS_WT_PWR 323608	30.08 0.31 0.00	31.02 0.16 0.00	28.88 0.11 0.00	24.25 -0.16 0.00	26.45 -0.07 0.00	33.30 -0.02 0.00	26.62 -0.35 0.00	25.82 -0.30 0.00	28.85 -0.54 0.00	32.43 -0.04 0.00	40.55 0.76 0.00	39.35 1.00 0.00	35.98 0.57 0.00	37.92 0.72 0.00	41.68 0.68 0.00	44.43 0.90 0.00	44.54 1.21 0.00	44.51 1.28 0.00	44.15 1.78 0.00	39.95 1.60 0.00	33.27 1.07 0.00	31.47 1.10 0.00	36.45 1.41 0.00	33.83 0.69 0.00
BLUESTONE___WT_PWR 323821	31.51 1.73 0.00	32.57 1.71 0.00	30.32 1.57 0.00	25.68 1.27 0.00	27.92 1.39 0.00	35.14 1.82 0.00	28.38 1.40 0.00	27.57 1.45 0.00	30.98 1.58 0.00	34.31 1.85 0.00	42.44 2.64 0.00	40.97 2.63 0.00	37.87 2.45 0.00	40.19 2.99 0.00	44.38 3.33 -0.06	47.17 3.61 -0.04	47.12 3.72 -0.08	46.97 3.73 0.00	46.17 3.80 0.00	41.70 3.35 0.00	34.94 2.75 0.00	32.90 2.53 0.00	37.77 2.73 0.00	35.33 2.19 0.00
BLUE_CIRC_CHEM_DRP 24182	30.59 0.82 0.00	31.81 0.94 0.00	29.63 0.87 0.00	25.15 0.73 0.00	27.31 0.79 0.00	34.37 1.06 0.00	27.86 0.88 0.00	26.95 0.83 0.00	30.21 0.81 0.00	33.37 0.87 -0.04	40.76 0.96 -0.01	39.28 0.93 0.00	36.23 0.82 0.00	38.08 0.89 0.00	42.04 1.05 0.00	44.60 1.07 0.00	44.44 1.11 0.00	44.44 1.20 0.00	43.52 1.15 0.00	40.08 0.96 -0.78	33.05 0.85 0.00	31.20 0.82 0.00	35.71 0.67 0.00	33.72 0.57 0.00
BOC_GAS_DRP 24189	30.36 0.58 0.00	31.51 0.65 0.00	29.38 0.62 0.00	24.95 0.54 0.00	27.08 0.56 0.00	34.07 0.75 0.00	27.62 0.64 0.00	26.75 0.62 0.00	30.01 0.61 0.00	33.20 0.68 -0.05	40.69 0.88 -0.01	39.33 0.99 0.00	36.34 0.93 0.00	38.24 1.04 0.00	42.19 1.20 0.00	44.70 1.17 0.00	44.43 1.11 0.00	44.33 1.09 0.00	43.35 0.98 0.00	39.93 0.73 -0.85	32.87 0.67 0.00	31.04 0.66 0.00	35.58 0.54 0.00	33.54 0.39 0.00
BOONVILLE_115KV_TB1 79983	30.69 0.91 0.00	31.72 0.85 0.00	29.52 0.76 0.00	25.03 0.61 0.00	27.15 0.63 0.00	34.02 0.70 0.00	27.51 0.53 0.00	26.62 0.49 0.00	30.04 0.65 0.00	33.24 0.77 0.00	40.79 0.99 0.00	39.42 1.08 0.00	36.48 1.06 0.00	38.39 1.20 0.00	42.36 1.33 -0.04	45.07 1.51 -0.03	45.06 1.68 -0.05	44.87 1.64 0.00	44.09 1.72 0.00	40.01 1.66 0.00	33.59 1.39 0.00	31.60 1.23 0.00	36.41 1.37 0.00	34.11 0.97 0.00
BORALEX_4TH_BRANCH 23824	31.49 1.71 0.00	32.77 1.91 0.00	30.53 1.76 0.00	25.83 1.42 0.00	28.09 1.57 0.00	35.43 2.11 0.00	28.78 1.80 0.00	27.86 1.73 0.00	31.14 1.74 0.00	34.42 1.91 -0.06	42.06 2.25 -0.01	40.55 2.20 0.00	37.32 1.91 0.00	39.17 1.98 0.00	43.35 2.36 0.00	45.85 2.32 0.00	45.44 2.12 0.00	45.64 2.40 0.00	44.73 2.36 0.00	41.56 2.10 -1.11	34.17 1.97 0.00	32.35 1.97 0.00	36.95 1.92 0.00	34.74 1.60 0.00
BOWLINE___1 23526	31.03 1.25 0.00	32.08 1.22 0.00	29.90 1.14 0.00	25.57 1.15 0.00	27.69 1.16 0.00	34.61 1.29 0.00	28.16 1.18 0.00	27.45 1.32 0.00	30.80 1.40 0.00	33.56 1.57 0.47	41.89 2.21 0.11	41.03 2.69 0.00	38.04 2.63 0.00	40.04 2.84 0.00	44.15 3.15 0.00	46.75 3.21 0.00	46.14 3.16 0.34	46.16 2.92 0.00	44.92 2.56 0.00	34.68 1.79 5.45	33.75 1.57 0.02	31.87 1.49 0.00	36.51 1.47 0.00	34.42 1.27 0.00
BOWLINE___2 23595	31.04 1.26 0.00	32.10 1.23 0.00	29.92 1.16 0.00	25.57 1.16 0.00	27.69 1.17 0.00	34.64 1.33 0.00	28.16 1.19 0.00	27.45 1.32 0.00	30.82 1.42 0.00	33.58 1.59 0.47	41.91 2.23 0.11	41.04 2.69 0.00	38.05 2.63 0.00	40.04 2.84 0.00	44.15 3.16 0.00	46.76 3.22 0.00	46.15 3.17 0.34	46.17 2.93 0.00	44.93 2.56 0.00	34.70 1.80 5.46	33.76 1.58 0.02	31.87 1.50 0.00	36.53 1.49 0.00	34.41 1.27 0.00
BRADY___115KV_TB2 356060	29.98 0.20 0.00	30.99 0.13 0.00	28.85 0.09 0.00	24.50 0.08 0.00	26.68 0.15 0.00	33.41 0.09 0.00	27.02 0.04 0.00	26.06 -0.06 0.00	29.55 0.16 0.00	32.56 0.10 0.00	38.80 -1.00 0.00	36.89 -1.46 0.00	34.03 -1.39 0.00	35.65 -1.55 0.00	39.27 -1.73 0.00	41.86 -1.68 0.00	41.71 -1.61 0.00	41.90 -1.34 0.00	41.19 -1.18 0.00	37.63 -0.72 0.00	31.60 -0.59 0.00	29.81 -0.57 0.00	35.09 0.05 0.00	33.46 0.32 0.00
BRANSCOMB___SOLAR 323811	31.96 2.18 0.00	33.20 2.34 0.00	30.92 2.16 0.00	26.12 1.71 0.00	28.43 1.90 0.00	35.91 2.60 0.00	29.14 2.17 0.00	28.24 2.12 0.00	31.75 2.36 0.00	35.12 2.61 -0.05	42.85 3.05 -0.01	41.19 2.84 0.00	37.72 2.30 0.00	39.65 2.46 0.00	43.93 2.93 0.00	46.65 3.12 0.00	46.73 3.41 0.00	46.84 3.60 0.00	45.92 3.55 0.00	42.49 3.24 -0.90	34.98 2.78 0.00	33.05 2.67 0.00	37.81 2.77 0.00	35.48 2.33 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	31.85 2.07 0.00	32.92 2.06 0.00	30.72 1.96 0.00	26.28 1.87 0.00	28.48 1.95 0.00	35.71 2.40 0.00	28.96 1.98 0.00	28.20 2.07 0.00	31.77 2.37 0.00	35.58 2.82 -0.30	59.48 3.78 -15.90	44.32 4.14 -1.84	46.42 3.95 -7.06	41.28 4.08 0.00	45.14 4.15 0.00	79.80 4.54 -31.72	87.02 4.54 -39.15	75.09 4.15 -27.70	52.21 3.47 -6.37	44.87 2.21 -4.30	36.19 2.07 -1.92	32.33 1.95 0.00	37.16 2.12 0.00	34.80 1.66 0.00



BRISTLHL_115KV_TB1 79998	29.39 -0.39 0.00	30.43 -0.44 0.00	28.34 -0.42 0.00	24.00 -0.41 0.00	26.07 -0.46 0.00	32.76 -0.56 0.00	26.50 -0.48 0.00	25.67 -0.45 0.00	28.83 -0.56 0.00	31.94 -0.52 0.00	39.44 -0.39 -0.03	38.16 -0.19 0.00	35.24 -0.17 0.00	37.06 -0.13 0.00	41.09 -0.23 -0.32	43.58 -0.16 -0.21	43.63 -0.11 -0.42	43.16 -0.08 0.00	42.35 -0.01 0.00	38.33 -0.02 0.00	32.17 -0.03 0.00	30.39 0.01 0.00	34.93 -0.10 0.00	32.81 -0.34 0.00
BROOKHAVEN___DRP 24191	31.51 1.73 0.00	32.54 1.67 0.00	30.36 1.60 0.00	25.99 1.58 0.00	28.14 1.61 0.00	35.27 1.96 0.00	28.62 1.64 0.00	27.94 1.82 0.00	31.47 2.07 0.00	35.34 2.58 -0.30	59.28 3.58 -15.90	44.13 3.94 -1.84	46.23 3.76 -7.06	41.12 3.93 0.00	45.21 4.22 0.00	122.36 4.61 -74.23	249.39 4.63 -201.43	232.04 4.20 -184.60	144.92 3.56 -98.99	44.95 2.30 -4.30	43.30 2.11 -8.99	32.28 1.90 0.00	36.94 1.90 0.00	34.54 1.40 0.00
BROOKLYN_NAVY_YARD 23515	31.58 1.81 0.00	32.60 1.73 0.00	30.37 1.62 0.00	25.94 1.52 0.00	28.05 1.52 0.00	35.11 1.79 0.00	28.55 1.57 0.00	27.83 1.70 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.95 3.08 -0.07	41.91 3.56 0.00	38.84 3.43 0.00	40.83 3.63 0.00	44.94 3.94 0.00	47.55 4.02 0.00	47.49 3.95 -0.22	46.89 3.65 0.00	45.63 3.26 0.00	45.08 2.44 -4.29	34.32 2.11 -0.01	32.37 1.99 0.00	37.09 2.05 0.00	34.89 1.75 0.00
BROOKLYN___ARMY_DRP 323595	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
BROOKVLE_69_KV_TB1 55790	31.97 2.19 0.00	33.05 2.19 0.00	30.81 2.05 0.00	26.31 1.89 0.00	28.48 1.96 0.00	35.70 2.38 0.00	29.00 2.02 0.00	28.26 2.13 0.00	31.86 2.47 0.00	35.67 2.91 -0.30	59.75 4.05 -15.90	44.64 4.45 -1.84	46.71 4.24 -7.06	41.63 4.44 0.00	45.83 4.83 0.00	80.39 5.13 -31.72	88.96 5.11 -40.53	61.75 4.64 -13.87	46.29 3.92 0.00	45.29 2.64 -4.30	34.48 2.27 -0.01	32.57 2.19 0.00	37.46 2.43 0.00	35.14 2.00 0.00
BROOME_2_LFGE 323671	29.99 0.21 0.00	31.03 0.16 0.00	28.90 0.14 0.00	24.49 0.07 0.00	26.62 0.09 0.00	33.48 0.16 0.00	27.03 0.06 0.00	26.26 0.14 0.00	29.46 0.07 0.00	32.73 0.26 0.00	40.43 0.63 -0.01	39.25 0.90 0.00	36.21 0.80 0.00	38.20 1.01 0.00	42.14 1.08 -0.07	44.72 1.14 -0.04	44.61 1.20 -0.09	44.37 1.14 0.00	43.60 1.23 0.00	39.37 1.03 0.00	32.98 0.78 0.00	31.12 0.74 0.00	35.81 0.77 0.00	33.53 0.38 0.00
BROOME___LFGE 323600	29.99 0.21 0.00	31.03 0.16 0.00	28.90 0.14 0.00	24.49 0.07 0.00	26.62 0.09 0.00	33.48 0.16 0.00	27.03 0.06 0.00	26.26 0.14 0.00	29.46 0.07 0.00	32.73 0.26 0.00	40.43 0.63 -0.01	39.25 0.90 0.00	36.21 0.80 0.00	38.20 1.01 0.00	42.14 1.08 -0.07	44.72 1.14 -0.04	44.61 1.20 -0.09	44.37 1.14 0.00	43.60 1.23 0.00	39.37 1.03 0.00	32.98 0.78 0.00	31.12 0.74 0.00	35.81 0.77 0.00	33.53 0.38 0.00
BROWNFLS_115KV_TB_3_5 80003	30.13 0.36 0.00	30.96 0.10 0.00	28.79 0.03 0.00	24.39 -0.02 0.00	26.50 -0.02 0.00	33.14 -0.18 0.00	26.75 -0.22 0.00	25.84 -0.28 0.00	29.30 -0.09 0.00	32.41 -0.05 0.00	39.17 -0.63 0.00	37.75 -0.60 0.00	35.03 -0.39 0.00	36.84 -0.35 0.00	40.62 -0.44 -0.06	43.29 -0.27 -0.04	43.30 -0.10 -0.08	43.08 -0.16 0.00	42.31 -0.06 0.00	38.66 0.31 0.00	32.45 0.26 0.00	30.50 0.12 0.00	35.58 0.54 0.00	33.26 0.12 0.00
BROWNSV1_27_KV_LOAD 356125	32.05 2.27 0.00	33.08 2.21 0.00	30.82 2.06 0.00	26.28 1.87 0.00	28.42 1.89 0.00	35.58 2.27 0.00	28.92 1.95 0.00	28.19 2.07 0.00	31.73 2.33 0.00	35.48 2.72 -0.30	43.60 3.73 -0.07	42.55 4.20 0.00	39.45 4.04 0.00	41.48 4.28 0.00	45.65 4.65 0.00	48.31 4.77 0.00	48.24 4.69 -0.22	47.62 4.39 0.00	46.34 3.97 0.00	45.69 3.05 -4.29	34.86 2.65 -0.01	32.87 2.49 0.00	37.66 2.63 0.00	35.39 2.25 0.00
BURROWS___LYONSDAL 23803	30.67 0.89 0.00	31.69 0.82 0.00	29.49 0.73 0.00	24.98 0.57 0.00	27.10 0.58 0.00	33.92 0.61 0.00	27.40 0.42 0.00	26.51 0.38 0.00	29.95 0.55 0.00	33.15 0.68 0.00	40.64 0.84 0.00	39.29 0.94 0.00	36.35 0.93 0.00	38.25 1.05 0.00	42.21 1.16 -0.05	44.92 1.36 -0.03	44.92 1.53 -0.07	44.70 1.46 0.00	43.94 1.57 0.00	39.93 1.58 0.00	33.53 1.34 0.00	31.54 1.16 0.00	36.36 1.32 0.00	34.02 0.88 0.00
CAITHNESS_CC_1 323624	31.47 1.70 0.00	32.51 1.64 0.00	30.33 1.57 0.00	25.97 1.55 0.00	28.11 1.59 0.00	35.25 1.93 0.00	28.60 1.62 0.00	27.90 1.78 0.00	31.43 2.03 0.00	35.27 2.51 -0.30	59.18 3.48 -15.90	44.04 3.85 -1.84	46.15 3.67 -7.06	41.05 3.85 0.00	45.11 4.11 0.00	120.40 4.50 -72.37	244.64 4.48 -196.84	227.97 4.06 -180.67	141.85 3.44 -96.04	44.83 2.18 -4.30	43.12 1.99 -8.94	32.18 1.80 0.00	36.84 1.80 0.00	34.47 1.33 0.00
CALPINE BETH_PAGE_GT4 24209	31.63 1.85 0.00	32.70 1.83 0.00	30.50 1.74 0.00	26.07 1.65 0.00	28.23 1.71 0.00	35.39 2.07 0.00	28.72 1.74 0.00	27.97 1.85 0.00	31.54 2.15 0.00	35.31 2.54 -0.30	59.18 3.48 -15.90	44.12 3.93 -1.84	46.25 3.78 -7.06	41.03 3.84 0.00	45.15 4.15 0.00	79.71 4.45 -31.72	78.99 4.41 -31.26	58.60 3.99 -11.37	46.63 3.36 -0.91	44.76 2.11 -4.30	34.16 1.82 -0.15	32.14 1.77 0.00	36.99 1.95 0.00	34.69 1.55 0.00
CALPINE_BETH_PAGE_GT_4 323586	31.63 1.85 0.00	32.70 1.83 0.00	30.50 1.74 0.00	26.07 1.65 0.00	28.23 1.71 0.00	35.39 2.07 0.00	28.72 1.74 0.00	27.97 1.85 0.00	31.54 2.15 0.00	35.30 2.54 -0.30	59.18 3.48 -15.90	44.12 3.93 -1.84	46.25 3.78 -7.06	41.03 3.84 0.00	45.14 4.14 0.00	79.72 4.45 -31.73	78.97 4.39 -31.26	58.59 3.98 -11.37	46.64 3.37 -0.91	44.76 2.11 -4.30	34.16 1.82 -0.15	32.14 1.77 0.00	36.98 1.95 0.00	34.70 1.56 0.00
CALPINE_BP_GT1 23823	31.63 1.85 0.00	32.70 1.83 0.00	30.50 1.74 0.00	26.07 1.65 0.00	28.23 1.71 0.00	35.39 2.07 0.00	28.72 1.74 0.00	27.97 1.85 0.00	31.54 2.15 0.00	35.30 2.54 -0.30	59.18 3.48 -15.90	44.12 3.93 -1.84	46.25 3.78 -7.06	41.03 3.84 0.00	45.14 4.14 0.00	79.72 4.45 -31.73	78.97 4.39 -31.26	58.59 3.98 -11.37	46.64 3.37 -0.91	44.76 2.11 -4.30	34.16 1.82 -0.15	32.14 1.77 0.00	36.98 1.95 0.00	34.70 1.56 0.00
CALSPAN___DRP 24200	29.93 0.15 0.00	30.86 0.00 0.00	28.76 0.00 0.00	24.07 -0.35 0.00	26.27 -0.25 0.00	33.05 -0.26 0.00	26.45 -0.53 0.00	25.56 -0.57 0.00	28.44 -0.95 0.00	31.94 -0.53 0.00	40.13 0.34 0.00	38.88 0.53 0.00	35.57 0.15 0.00	37.42 0.23 0.00	41.20 0.21 0.00	43.99 0.46 0.00	44.08 0.76 0.00	44.15 0.91 0.00	43.86 1.50 0.00	39.72 1.37 0.00	32.97 0.77 0.00	31.22 0.84 0.00	36.15 1.11 0.00	33.64 0.50 0.00



CALVERTON___SOLAR 323806	31.56 1.78 0.00	32.59 1.72 0.00	30.40 1.65 0.00	26.03 1.62 0.00	28.18 1.66 0.00	35.32 2.00 0.00	28.67 1.69 0.00	28.01 1.89 0.00	31.55 2.15 0.00	35.45 2.69 -0.30	59.46 3.76 -15.90	44.27 4.08 -1.84	46.36 3.89 -7.06	41.24 4.05 0.00	45.35 4.36 0.00	123.25 4.78 -74.94	251.34 4.80 -203.22	233.75 4.38 -186.13	146.25 3.76 -100.13	45.12 2.46 -4.30	43.49 2.28 -9.02	32.41 2.04 0.00	37.07 2.03 0.00	34.65 1.51 0.00
CANDIGU_WT_PWR 323617	29.94 0.16 0.00	30.94 0.07 0.00	28.80 0.04 0.00	24.29 -0.12 0.00	26.45 -0.07 0.00	33.30 -0.02 0.00	26.76 -0.22 0.00	26.00 -0.12 0.00	29.07 -0.33 0.00	32.48 0.02 0.00	40.41 0.61 0.00	39.25 0.90 0.00	36.05 0.64 0.00	38.02 0.83 0.00	41.89 0.86 -0.04	44.54 0.98 -0.02	44.41 1.04 -0.05	44.36 1.12 0.00	43.82 1.45 0.00	39.66 1.31 0.00	33.11 0.91 0.00	31.28 0.90 0.00	36.15 1.11 0.00	33.68 0.54 0.00
CARR STREET_E_SYR 24060	29.54 -0.24 0.00	30.57 -0.30 0.00	28.47 -0.29 0.00	24.12 -0.30 0.00	26.19 -0.33 0.00	32.93 -0.39 0.00	26.63 -0.34 0.00	25.81 -0.31 0.00	28.99 -0.41 0.00	32.16 -0.30 0.00	39.68 -0.13 -0.01	38.46 0.12 0.00	35.53 0.11 0.00	37.38 0.19 0.00	41.27 0.18 -0.10	43.84 0.25 -0.06	43.76 0.31 -0.12	43.55 0.31 0.00	42.74 0.37 0.00	38.65 0.30 0.00	32.40 0.21 0.00	30.58 0.20 0.00	35.15 0.11 0.00	33.00 -0.14 0.00
CARTHAGE___PAPER 23857	30.80 1.03 0.00	31.78 0.91 0.00	29.54 0.78 0.00	25.01 0.59 0.00	27.10 0.58 0.00	33.84 0.52 0.00	27.29 0.32 0.00	26.36 0.24 0.00	29.90 0.51 0.00	33.12 0.66 0.00	40.42 0.61 -0.01	38.98 0.64 0.00	36.09 0.68 0.00	38.05 0.85 0.00	41.98 0.86 -0.12	44.80 1.19 -0.08	44.82 1.34 -0.16	44.41 1.17 0.00	43.72 1.35 0.00	40.00 1.65 0.00	33.62 1.42 0.00	31.54 1.17 0.00	36.53 1.49 0.00	34.02 0.88 0.00
CASSADAGA_WT_PWR 323784	30.73 0.95 0.00	31.63 0.77 0.00	29.41 0.65 0.00	24.67 0.26 0.00	26.92 0.40 0.00	33.90 0.58 0.00	27.13 0.16 0.00	26.39 0.26 0.00	29.40 0.00 0.00	32.98 0.51 0.00	41.33 1.54 0.00	40.17 1.82 0.00	36.75 1.34 0.00	38.73 1.53 0.00	42.63 1.64 0.00	45.49 1.96 0.00	45.46 2.14 0.00	45.27 2.03 0.00	45.08 2.71 0.00	40.92 2.57 0.00	34.01 1.81 0.00	32.13 1.75 0.00	37.13 2.10 0.00	34.34 1.20 0.00
CE_DUNWOOD___DRP 24194	31.38 1.60 0.00	32.42 1.56 0.00	30.21 1.46 0.00	25.77 1.36 0.00	27.90 1.38 0.00	34.94 1.63 0.00	28.40 1.43 0.00	27.67 1.55 0.00	31.12 1.72 0.00	34.75 1.98 -0.32	42.62 2.75 -0.08	41.54 3.19 0.00	38.49 3.08 0.00	40.48 3.29 0.00	44.61 3.61 0.00	47.23 3.69 0.00	47.20 3.64 -0.25	46.61 3.37 0.00	45.35 2.98 0.00	44.94 2.19 -4.40	34.12 1.91 -0.01	32.19 1.81 0.00	36.88 1.84 0.00	34.69 1.55 0.00
CE_MILLWOOD___DRP 24193	31.30 1.52 0.00	32.35 1.48 0.00	30.15 1.39 0.00	25.72 1.31 0.00	27.84 1.31 0.00	34.87 1.55 0.00	28.34 1.37 0.00	27.61 1.49 0.00	31.03 1.64 0.00	34.67 1.88 -0.33	42.50 2.62 -0.08	41.41 3.07 0.00	38.38 2.96 0.00	40.37 3.17 0.00	44.49 3.49 0.00	47.11 3.57 0.00	48.10 3.51 -1.26	46.49 3.25 0.00	45.25 2.88 0.00	44.92 2.10 -4.47	34.05 1.84 -0.01	32.12 1.75 0.00	36.80 1.76 0.00	34.62 1.48 0.00
CE_NYC2_DRP 24202	31.59 1.82 0.00	32.60 1.74 0.00	30.39 1.63 0.00	25.95 1.54 0.00	28.05 1.52 0.00	35.09 1.77 0.00	28.56 1.58 0.00	27.83 1.70 0.00	31.30 1.91 0.00	34.99 2.24 -0.30	43.01 3.14 -0.07	41.94 3.60 0.00	38.89 3.48 0.00	40.83 3.64 0.00	41.25 3.86 3.60	34.26 3.91 13.18	35.00 3.81 12.13	35.41 3.46 11.29	34.75 3.01 10.63	32.98 2.23 7.59	34.04 2.06 0.21	32.36 1.98 0.00	37.08 2.04 0.00	34.89 1.75 0.00
CE_NYC_DRP 24195	31.64 1.86 0.00	32.66 1.80 0.00	30.43 1.68 0.00	25.99 1.57 0.00	28.10 1.57 0.00	35.18 1.86 0.00	28.60 1.62 0.00	27.87 1.75 0.00	31.35 1.95 0.00	35.03 2.27 -0.30	43.02 3.15 -0.07	41.97 3.62 0.00	38.90 3.49 0.00	40.89 3.69 0.00	45.01 4.01 0.00	47.61 4.08 0.00	47.56 4.01 -0.22	46.96 3.71 0.00	45.68 3.31 0.00	45.11 2.48 -4.29	34.37 2.16 -0.01	32.41 2.04 0.00	37.15 2.11 0.00	34.92 1.78 0.00
CHAFFEE___LFGE 323603	30.03 0.26 0.00	30.96 0.10 0.00	28.84 0.08 0.00	24.14 -0.27 0.00	26.35 -0.18 0.00	33.15 -0.16 0.00	26.53 -0.45 0.00	25.66 -0.47 0.00	28.59 -0.80 0.00	32.12 -0.34 0.00	40.31 0.52 0.00	39.09 0.75 0.00	35.77 0.36 0.00	37.64 0.45 0.00	41.44 0.44 0.00	44.20 0.67 0.00	44.32 1.00 0.00	44.37 1.13 0.00	44.08 1.71 0.00	39.94 1.59 0.00	33.16 0.97 0.00	31.38 1.01 0.00	36.33 1.29 0.00	33.76 0.62 0.00
CHATEAUG_35_KV_LOAD 355732	29.89 0.12 0.00	30.95 0.09 0.00	28.74 -0.02 0.00	24.35 -0.06 0.00	26.55 0.03 0.00	33.30 -0.02 0.00	26.94 -0.04 0.00	25.96 -0.16 0.00	29.59 0.19 0.00	32.66 0.19 0.00	39.57 -0.22 0.00	37.69 -0.66 0.00	34.57 -0.84 0.00	36.22 -0.98 0.00	39.81 -1.18 0.00	42.05 -1.48 0.00	41.94 -1.38 0.00	42.17 -1.07 0.00	41.46 -0.91 0.00	37.72 -0.63 0.00	31.40 -0.79 0.00	29.54 -0.84 0.00	34.81 -0.23 0.00	33.56 0.42 0.00
CHATEAUG_WT_PWR 323614	29.96 0.18 0.00	31.03 0.16 0.00	28.83 0.06 0.00	24.39 -0.02 0.00	26.59 0.07 0.00	33.26 -0.06 0.00	26.92 -0.06 0.00	25.95 -0.18 0.00	29.56 0.16 0.00	32.64 0.18 0.00	39.60 -0.20 0.00	37.73 -0.61 0.00	34.61 -0.81 0.00	36.27 -0.93 0.00	39.87 -1.12 0.00	42.08 -1.45 0.00	41.98 -1.34 0.00	42.12 -1.12 0.00	41.39 -0.99 0.00	37.62 -0.73 0.00	31.33 -0.86 0.00	29.45 -0.93 0.00	34.71 -0.33 0.00	33.50 0.36 0.00
CHAT_HIGH_FALL_HYD 323578	29.89 0.12 0.00	30.95 0.09 0.00	28.74 -0.02 0.00	24.35 -0.06 0.00	26.55 0.03 0.00	33.30 -0.02 0.00	26.94 -0.04 0.00	25.96 -0.16 0.00	29.59 0.19 0.00	32.66 0.19 0.00	39.57 -0.22 0.00	37.69 -0.66 0.00	34.57 -0.84 0.00	36.22 -0.98 0.00	39.81 -1.18 0.00	42.05 -1.48 0.00	41.94 -1.38 0.00	42.17 -1.07 0.00	41.46 -0.91 0.00	37.72 -0.63 0.00	31.40 -0.79 0.00	29.54 -0.84 0.00	34.81 -0.23 0.00	33.56 0.42 0.00
CHAUTAUQUA___LFGE 323629	30.27 0.49 0.00	31.19 0.32 0.00	29.02 0.26 0.00	24.34 -0.07 0.00	26.56 0.04 0.00	33.44 0.12 0.00	26.77 -0.21 0.00	26.00 -0.12 0.00	28.96 -0.44 0.00	32.49 0.03 0.00	40.75 0.96 0.00	39.61 1.26 0.00	36.24 0.83 0.00	38.22 1.03 0.00	42.07 1.08 0.00	44.84 1.31 0.00	44.83 1.51 0.00	44.76 1.52 0.00	44.48 2.11 0.00	40.31 1.96 0.00	33.53 1.33 0.00	31.70 1.32 0.00	36.66 1.62 0.00	33.95 0.80 0.00
CHERRYST_13_KV_LD 356241	31.75 1.97 0.00	32.77 1.91 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.19 1.67 0.00	35.29 1.97 0.00	28.70 1.72 0.00	27.97 1.85 0.00	31.46 2.07 0.00	35.16 2.41 -0.30	43.19 3.32 -0.07	42.14 3.80 0.00	39.07 3.66 0.00	41.07 3.88 0.00	45.21 4.21 0.00	47.82 4.30 0.00	47.77 4.22 -0.22	47.16 3.92 0.00	45.87 3.50 0.00	45.28 2.64 -4.29	34.50 2.30 -0.01	32.54 2.17 0.00	37.28 2.24 0.00	35.03 1.89 0.00



CHESTROR_138KV_BK263 355645	30.98 1.21 0.00	32.03 1.17 0.00	29.86 1.10 0.00	25.46 1.04 0.00	27.57 1.05 0.00	34.55 1.23 0.00	28.07 1.09 0.00	27.31 1.19 0.00	30.69 1.29 0.00	33.64 1.46 0.29	41.80 2.07 0.07	40.84 2.50 0.00	37.84 2.43 0.00	39.82 2.62 0.00	43.97 2.97 0.00	46.57 3.04 0.00	46.07 2.99 0.24	46.01 2.77 0.00	44.83 2.46 0.00	36.11 1.78 4.02	33.73 1.55 0.01	31.86 1.48 0.00	36.51 1.47 0.00	34.36 1.21 0.00
CH_MIDHUDSON___DRP 24192	31.33 1.55 0.00	32.38 1.52 0.00	30.19 1.43 0.00	25.70 1.29 0.00	27.83 1.31 0.00	34.92 1.60 0.00	28.37 1.39 0.00	27.61 1.49 0.00	31.04 1.64 0.00	34.42 1.90 -0.05	42.43 2.62 -0.01	41.38 3.04 0.00	38.34 2.92 0.00	40.35 3.15 0.00	44.52 3.52 0.00	47.17 3.64 0.00	46.91 3.59 0.00	46.61 3.37 0.00	45.40 3.03 0.00	41.91 2.29 -1.26	34.16 1.96 0.00	32.24 1.86 0.00	36.90 1.87 0.00	34.68 1.54 0.00
CH_MISC_IPPS 23765	31.51 1.73 0.00	32.56 1.69 0.00	30.34 1.58 0.00	25.84 1.43 0.00	27.98 1.45 0.00	35.09 1.77 0.00	28.51 1.53 0.00	27.76 1.64 0.00	31.22 1.82 0.00	34.57 2.11 0.00	42.72 2.92 0.00	41.69 3.35 0.00	38.66 3.24 0.00	40.71 3.51 0.00	44.93 3.94 0.00	47.64 4.11 0.00	47.35 4.02 0.00	47.02 3.78 0.00	45.78 3.41 0.00	41.57 2.60 -0.62	34.42 2.22 0.00	32.47 2.10 0.00	37.20 2.16 0.00	34.93 1.79 0.00
CH_RES_BVR_FALLS 23983	29.63 -0.15 0.00	30.69 -0.17 0.00	28.60 -0.16 0.00	24.29 -0.13 0.00	26.40 -0.12 0.00	33.12 -0.20 0.00	26.73 -0.25 0.00	25.81 -0.31 0.00	29.19 -0.20 0.00	32.22 -0.24 0.00	39.26 -0.54 0.00	37.58 -0.77 0.00	34.68 -0.74 0.00	36.36 -0.83 0.00	40.10 -0.90 0.00	42.60 -0.93 0.00	42.36 -0.96 0.00	42.28 -0.96 0.00	41.48 -0.88 0.00	37.70 -0.65 0.00	31.62 -0.58 0.00	29.72 -0.66 0.00	34.52 -0.52 0.00	32.82 -0.33 0.00
CH_RES_NIAGARA 23895	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.39 0.00	27.45 -1.95 0.00	30.80 -1.67 0.00	38.80 -1.00 0.00	37.58 -0.76 0.00	34.46 -0.95 0.00	36.19 -1.00 0.00	39.88 -1.11 0.00	42.51 -1.02 0.00	42.55 -0.77 0.00	42.71 -0.53 0.00	42.40 0.03 0.00	38.41 0.06 0.00	31.83 -0.36 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
CH_RES_SYRACUSE 23985	29.73 -0.05 0.00	30.82 -0.04 0.00	28.71 -0.05 0.00	24.30 -0.11 0.00	26.41 -0.11 0.00	33.20 -0.12 0.00	26.85 -0.13 0.00	26.04 -0.09 0.00	29.25 -0.14 0.00	32.43 -0.03 0.00	40.03 0.22 -0.01	38.78 0.43 0.00	35.83 0.42 0.00	37.69 0.49 0.00	41.72 0.55 -0.18	44.28 0.63 -0.11	44.22 0.67 -0.23	43.88 0.64 0.00	43.07 0.70 0.00	38.96 0.61 0.00	32.70 0.50 0.00	30.83 0.46 0.00	35.45 0.41 0.00	33.27 0.13 0.00
CLINTON_WT_PWR 323605	29.96 0.18 0.00	31.03 0.16 0.00	28.83 0.06 0.00	24.39 -0.02 0.00	26.59 0.07 0.00	33.26 -0.06 0.00	26.92 -0.06 0.00	25.95 -0.18 0.00	29.56 0.16 0.00	32.64 0.18 0.00	39.60 -0.20 0.00	37.73 -0.61 0.00	34.61 -0.81 0.00	36.27 -0.93 0.00	39.87 -1.12 0.00	42.08 -1.45 0.00	41.98 -1.34 0.00	42.12 -1.12 0.00	41.39 -0.99 0.00	37.62 -0.73 0.00	31.33 -0.86 0.00	29.45 -0.93 0.00	34.71 -0.33 0.00	33.50 0.36 0.00
CLINTON___LFGE 323618	30.41 0.64 0.00	31.49 0.63 0.00	29.28 0.53 0.00	24.70 0.29 0.00	26.99 0.47 0.00	34.07 0.76 0.00	27.52 0.54 0.00	26.45 0.33 0.00	30.28 0.89 0.00	33.48 1.02 0.00	40.70 0.90 0.00	38.87 0.52 0.00	35.44 0.02 0.00	37.21 0.01 0.00	40.99 -0.01 0.00	43.05 -0.48 0.00	42.97 -0.35 0.00	43.17 -0.07 0.00	42.45 0.08 0.00	38.45 0.10 0.00	32.16 -0.03 0.00	30.35 -0.03 0.00	35.96 0.92 0.00	34.58 1.44 0.00
COBBLENY_34_KV_TB1 80064	30.04 0.26 0.00	30.96 0.10 0.00	28.84 0.08 0.00	24.14 -0.27 0.00	26.35 -0.18 0.00	33.15 -0.16 0.00	26.53 -0.45 0.00	25.65 -0.47 0.00	28.59 -0.81 0.00	32.12 -0.34 0.00	40.35 0.55 0.00	39.09 0.74 0.00	35.77 0.36 0.00	37.65 0.45 0.00	41.43 0.43 0.00	44.22 0.69 0.00	44.31 0.98 0.00	44.38 1.14 0.00	44.10 1.74 0.00	39.95 1.60 0.00	33.15 0.95 0.00	31.38 1.01 0.00	36.33 1.29 0.00	33.76 0.62 0.00
COFFEEN___115KV_TB3 355620	31.08 1.30 0.00	32.01 1.15 0.00	29.76 1.00 0.00	25.17 0.75 0.00	27.23 0.70 0.00	34.02 0.70 0.00	27.44 0.46 0.00	26.52 0.39 0.00	30.06 0.66 0.00	33.32 0.85 0.00	40.84 1.03 -0.01	39.52 1.17 0.00	36.61 1.20 0.00	38.66 1.46 0.00	42.55 1.40 -0.15	45.50 1.87 -0.10	45.51 1.99 -0.19	44.99 1.75 0.00	44.31 1.94 0.00	40.62 2.27 0.00	34.15 1.95 0.00	32.04 1.66 0.00	37.00 1.97 0.00	34.32 1.17 0.00
COLDSPRG_115KV_BK1 355956	30.96 1.18 0.00	31.86 1.00 0.00	29.58 0.82 0.00	24.85 0.44 0.00	27.13 0.61 0.00	34.17 0.85 0.00	27.33 0.36 0.00	26.62 0.49 0.00	29.63 0.23 0.00	33.17 0.70 0.00	41.50 1.70 0.00	40.26 1.92 0.00	36.81 1.40 0.00	38.85 1.66 0.00	42.67 1.68 0.00	45.56 2.02 0.00	45.56 2.24 0.00	45.47 2.23 0.00	45.18 2.81 0.00	40.94 2.59 0.00	34.02 1.83 0.00	32.15 1.77 0.00	37.20 2.16 0.00	34.45 1.30 0.00
COLONIE_LFGE___ 323577	31.13 1.35 0.00	32.33 1.47 0.00	30.12 1.36 0.00	25.51 1.10 0.00	27.72 1.20 0.00	34.95 1.63 0.00	28.36 1.38 0.00	27.47 1.34 0.00	30.82 1.42 0.00	34.08 1.57 -0.05	41.68 1.87 -0.01	40.21 1.86 0.00	37.03 1.61 0.00	38.92 1.73 0.00	43.05 2.06 0.00	45.62 2.09 0.00	45.44 2.12 0.00	45.50 2.26 0.00	44.54 2.17 0.00	41.19 1.89 -0.95	33.87 1.67 0.00	32.01 1.63 0.00	36.63 1.59 0.00	34.46 1.32 0.00
COOPERNY_115KV_TB1 80082	30.64 0.87 0.00	31.72 0.85 0.00	29.56 0.80 0.00	25.18 0.76 0.00	27.29 0.77 0.00	34.22 0.91 0.00	27.78 0.80 0.00	26.99 0.87 0.00	30.31 0.92 0.00	33.42 1.07 0.11	41.30 1.53 0.03	40.23 1.89 0.00	37.24 1.83 0.00	39.18 1.99 0.00	43.21 2.21 0.00	45.82 2.29 0.00	45.48 2.25 0.09	45.30 2.06 0.00	44.21 1.84 0.00	37.71 1.34 1.98	33.35 1.16 0.01	31.48 1.11 0.00	36.15 1.11 0.00	34.04 0.90 0.00
COPENHAGEN_WT_PWR 323753	30.67 0.89 0.00	31.62 0.76 0.00	29.41 0.65 0.00	24.88 0.47 0.00	26.87 0.35 0.00	33.56 0.24 0.00	27.04 0.06 0.00	26.12 0.00 0.00	29.66 0.27 0.00	32.91 0.45 0.00	40.37 0.56 -0.01	39.06 0.71 0.00	36.17 0.75 0.00	38.13 0.93 0.00	42.01 0.86 -0.16	44.83 1.20 -0.10	44.82 1.30 -0.20	44.26 1.02 0.00	43.57 1.20 0.00	39.91 1.56 0.00	33.51 1.31 0.00	31.42 1.05 0.00	36.37 1.34 0.00	33.70 0.55 0.00
CORNELL_____ 23752	30.47 0.69 0.00	31.50 0.64 0.00	29.32 0.56 0.00	24.83 0.42 0.00	26.99 0.46 0.00	33.94 0.62 0.00	27.43 0.45 0.00	26.62 0.50 0.00	29.88 0.49 0.00	33.11 0.64 0.00	40.86 1.05 -0.01	39.57 1.23 0.00	36.61 1.19 0.00	38.58 1.39 0.00	42.75 1.66 -0.09	45.45 1.85 -0.06	45.32 1.87 -0.12	45.05 1.81 0.00	44.30 1.93 0.00	40.10 1.75 0.00	33.64 1.44 0.00	31.71 1.33 0.00	36.44 1.40 0.00	34.12 0.97 0.00



CORONA_69_KV_TB1 355595	31.87 2.09 0.00	32.97 2.10 0.00	30.74 1.98 0.00	26.26 1.85 0.00	28.43 1.91 0.00	35.63 2.31 0.00	28.90 1.93 0.00	28.16 2.03 0.00	31.72 2.33 0.00	35.50 2.74 -0.30	59.47 3.77 -15.90	44.36 4.18 -1.84	46.51 4.04 -7.06	41.44 4.24 0.00	45.58 4.58 0.00	80.09 4.83 -31.72	79.20 4.70 -31.18	57.83 4.35 -10.23	46.13 3.76 0.00	45.23 2.58 -4.30	34.41 2.21 -0.01	32.51 2.13 0.00	37.27 2.23 0.00	35.07 1.93 0.00
CORTLAND_115KV_TB3 80093	30.18 0.40 0.00	31.22 0.36 0.00	29.07 0.31 0.00	24.63 0.22 0.00	26.76 0.24 0.00	33.66 0.34 0.00	27.21 0.23 0.00	26.41 0.28 0.00	29.64 0.24 0.00	32.84 0.38 0.00	40.49 0.68 -0.01	39.25 0.90 0.00	36.28 0.87 0.00	38.22 1.02 0.00	42.28 1.19 -0.10	44.93 1.33 -0.06	44.84 1.39 -0.13	44.59 1.35 0.00	43.81 1.44 0.00	39.61 1.26 0.00	33.21 1.02 0.00	31.33 0.96 0.00	36.00 0.96 0.00	33.75 0.61 0.00
COXSACKIE___GT 23611	32.16 2.38 0.00	33.37 2.51 0.00	31.04 2.28 0.00	26.25 1.84 0.00	28.52 2.00 0.00	35.94 2.63 0.00	29.10 2.13 0.00	28.18 2.05 0.00	31.71 2.32 0.00	35.04 2.58 0.00	42.44 2.64 0.00	40.64 2.29 0.00	37.57 2.15 0.00	39.37 2.18 0.00	43.30 2.30 0.00	46.15 2.62 0.00	46.74 3.41 0.00	47.04 3.81 0.00	46.34 3.97 0.00	42.44 3.55 -0.54	35.13 2.93 0.00	33.08 2.70 0.00	37.71 2.67 0.00	35.46 2.32 0.00
CPV_VALLEY___CC1 323721	30.73 0.95 0.00	31.79 0.92 0.00	29.63 0.88 0.00	25.27 0.86 0.00	27.38 0.86 0.00	34.29 0.97 0.00	27.86 0.89 0.00	27.11 0.99 0.00	30.44 1.05 0.00	33.47 1.18 0.18	41.48 1.72 0.04	40.50 2.15 0.00	37.50 2.08 0.00	39.44 2.25 0.00	43.50 2.50 0.00	46.09 2.56 0.00	45.69 2.51 0.15	45.55 2.31 0.00	44.40 2.03 0.00	36.64 1.42 3.12	33.44 1.25 0.01	31.58 1.20 0.00	36.20 1.16 0.00	34.08 0.94 0.00
CPV_VALLEY___CC2 323722	30.73 0.95 0.00	31.79 0.92 0.00	29.63 0.88 0.00	25.27 0.86 0.00	27.38 0.86 0.00	34.29 0.97 0.00	27.86 0.89 0.00	27.11 0.99 0.00	30.44 1.05 0.00	33.47 1.18 0.18	41.48 1.72 0.04	40.50 2.15 0.00	37.50 2.08 0.00	39.44 2.25 0.00	43.50 2.50 0.00	46.09 2.56 0.00	45.69 2.51 0.15	45.55 2.31 0.00	44.40 2.03 0.00	36.64 1.42 3.12	33.44 1.25 0.01	31.58 1.20 0.00	36.20 1.16 0.00	34.08 0.94 0.00
CRESCENT___HYD 24018	31.13 1.35 0.00	32.33 1.47 0.00	30.12 1.36 0.00	25.51 1.10 0.00	27.72 1.20 0.00	34.95 1.63 0.00	28.36 1.38 0.00	27.47 1.34 0.00	30.82 1.42 0.00	34.08 1.57 -0.05	41.68 1.87 -0.01	40.21 1.86 0.00	37.03 1.61 0.00	38.92 1.73 0.00	43.05 2.06 0.00	45.62 2.09 0.00	45.44 2.12 0.00	45.50 2.26 0.00	44.54 2.17 0.00	41.19 1.89 -0.95	33.87 1.67 0.00	32.01 1.63 0.00	36.63 1.59 0.00	34.46 1.32 0.00
CRICKET___VALLEY_CC1 323756	31.05 1.28 0.00	32.15 1.29 0.00	29.97 1.21 0.00	25.47 1.05 0.00	27.57 1.04 0.00	34.65 1.33 0.00	28.17 1.20 0.00	27.41 1.28 0.00	30.80 1.41 0.00	34.20 1.62 -0.12	42.01 2.18 -0.03	40.85 2.51 0.00	37.81 2.39 0.00	39.76 2.57 0.00	43.90 2.90 0.00	46.51 2.98 0.00	46.36 2.93 -0.10	46.09 2.84 0.00	44.96 2.59 0.00	42.95 1.91 -2.69	33.83 1.63 -0.01	31.94 1.57 0.00	36.52 1.48 0.00	34.30 1.16 0.00
CRICKET___VALLEY_CC2 323757	31.05 1.28 0.00	32.15 1.29 0.00	29.97 1.21 0.00	25.47 1.05 0.00	27.57 1.04 0.00	34.65 1.33 0.00	28.17 1.20 0.00	27.41 1.28 0.00	30.80 1.41 0.00	34.20 1.62 -0.12	42.01 2.18 -0.03	40.85 2.51 0.00	37.81 2.39 0.00	39.76 2.57 0.00	43.90 2.90 0.00	46.51 2.98 0.00	46.36 2.93 -0.10	46.09 2.84 0.00	44.96 2.59 0.00	42.95 1.91 -2.69	33.83 1.63 -0.01	31.94 1.57 0.00	36.52 1.48 0.00	34.30 1.16 0.00
CRICKET___VALLEY_CC3 323758	31.05 1.28 0.00	32.15 1.29 0.00	29.97 1.21 0.00	25.47 1.05 0.00	27.57 1.04 0.00	34.65 1.33 0.00	28.17 1.20 0.00	27.41 1.28 0.00	30.80 1.41 0.00	34.20 1.62 -0.12	42.01 2.18 -0.03	40.85 2.51 0.00	37.81 2.39 0.00	39.76 2.57 0.00	43.90 2.90 0.00	46.51 2.98 0.00	46.36 2.93 -0.10	46.09 2.84 0.00	44.96 2.59 0.00	42.95 1.91 -2.69	33.83 1.63 -0.01	31.94 1.57 0.00	36.52 1.48 0.00	34.30 1.16 0.00
CRUCIBLE_METL_DRP 24180	29.73 -0.05 0.00	30.83 -0.04 0.00	28.71 -0.05 0.00	24.30 -0.11 0.00	26.41 -0.11 0.00	33.20 -0.12 0.00	26.85 -0.13 0.00	26.04 -0.09 0.00	29.25 -0.14 0.00	32.43 -0.03 0.00	40.03 0.22 -0.01	38.78 0.43 0.00	35.83 0.42 0.00	37.68 0.49 0.00	41.72 0.55 -0.18	44.28 0.63 -0.11	44.22 0.67 -0.23	43.88 0.64 0.00	43.08 0.71 0.00	38.96 0.61 0.00	32.70 0.50 0.00	30.83 0.46 0.00	35.45 0.41 0.00	33.27 0.13 0.00
DAHOWA___HYDRO 323763	32.21 2.43 0.00	33.48 2.61 0.00	31.17 2.41 0.00	26.31 1.90 0.00	28.64 2.12 0.00	36.20 2.89 0.00	29.39 2.41 0.00	28.48 2.36 0.00	32.05 2.65 0.00	35.45 2.94 -0.05	43.23 3.42 -0.01	41.51 3.17 0.00	37.97 2.55 0.00	39.93 2.74 0.00	44.26 3.26 0.00	47.02 3.49 0.00	47.14 3.82 0.00	47.25 4.01 0.00	46.33 3.96 0.00	42.86 3.62 -0.89	35.30 3.10 0.00	33.35 2.98 0.00	38.15 3.11 0.00	35.76 2.62 0.00
DANC___LFGE 323619	30.16 0.38 0.00	31.14 0.28 0.00	28.97 0.21 0.00	24.53 0.11 0.00	26.55 0.03 0.00	33.23 -0.08 0.00	26.82 -0.16 0.00	25.94 -0.18 0.00	29.33 -0.07 0.00	32.50 0.04 0.00	39.96 0.14 -0.02	38.68 0.33 0.00	35.78 0.36 0.00	37.69 0.49 0.00	41.59 0.40 -0.20	44.29 0.64 -0.13	44.26 0.68 -0.26	43.76 0.52 0.00	43.04 0.67 0.00	39.24 0.89 0.00	32.96 0.76 0.00	30.99 0.62 0.00	35.82 0.78 0.00	33.35 0.21 0.00
DANSKAMMER___1 23586	31.51 1.73 0.00	32.56 1.69 0.00	30.34 1.58 0.00	25.84 1.43 0.00	27.98 1.45 0.00	35.09 1.77 0.00	28.51 1.53 0.00	27.76 1.64 0.00	31.22 1.82 0.00	34.57 2.11 0.00	42.72 2.92 0.00	41.69 3.35 0.00	38.66 3.24 0.00	40.71 3.51 0.00	44.93 3.94 0.00	47.64 4.11 0.00	47.35 4.02 0.00	47.02 3.78 0.00	45.78 3.41 0.00	41.57 2.60 -0.62	34.42 2.22 0.00	32.47 2.10 0.00	37.20 2.16 0.00	34.93 1.79 0.00
DANSKAMMER___2 23589	31.51 1.73 0.00	32.56 1.69 0.00	30.34 1.58 0.00	25.84 1.43 0.00	27.98 1.45 0.00	35.09 1.77 0.00	28.51 1.53 0.00	27.76 1.64 0.00	31.22 1.82 0.00	34.57 2.11 0.00	42.72 2.92 0.00	41.69 3.35 0.00	38.66 3.24 0.00	40.71 3.51 0.00	44.93 3.94 0.00	47.64 4.11 0.00	47.35 4.02 0.00	47.02 3.78 0.00	45.78 3.41 0.00	41.57 2.60 -0.62	34.42 2.22 0.00	32.47 2.10 0.00	37.20 2.16 0.00	34.93 1.79 0.00
DANSKAMMER___3 23590	31.51 1.73 0.00	32.56 1.69 0.00	30.34 1.58 0.00	25.84 1.43 0.00	27.98 1.45 0.00	35.09 1.77 0.00	28.51 1.53 0.00	27.76 1.64 0.00	31.22 1.82 0.00	34.57 2.11 0.00	42.72 2.92 0.00	41.69 3.35 0.00	38.66 3.24 0.00	40.71 3.51 0.00	44.93 3.94 0.00	47.64 4.11 0.00	47.35 4.02 0.00	47.02 3.78 0.00	45.78 3.41 0.00	41.57 2.60 -0.62	34.42 2.22 0.00	32.47 2.10 0.00	37.20 2.16 0.00	34.93 1.79 0.00



DANSKAMMER___4 23591	31.51 1.73 0.00	32.56 1.69 0.00	30.34 1.58 0.00	25.84 1.43 0.00	27.98 1.45 0.00	35.09 1.77 0.00	28.51 1.53 0.00	27.76 1.64 0.00	31.22 1.82 0.00	34.57 2.11 0.00	42.72 2.92 0.00	41.69 3.35 0.00	38.66 3.24 0.00	40.71 3.51 0.00	44.93 3.94 0.00	47.64 4.11 0.00	47.35 4.02 0.00	47.02 3.78 0.00	45.78 3.41 0.00	41.57 2.60 -0.62	34.42 2.22 0.00	32.47 2.10 0.00	37.20 2.16 0.00	34.93 1.79 0.00
DANSKAMMER___DIESEL 23592	31.51 1.73 0.00	32.56 1.70 0.00	30.34 1.58 0.00	25.84 1.43 0.00	27.98 1.46 0.00	35.09 1.77 0.00	28.51 1.53 0.00	27.76 1.64 0.00	31.22 1.82 0.00	34.57 2.11 0.00	42.72 2.92 0.00	41.70 3.35 0.00	38.66 3.24 0.00	40.71 3.51 0.00	44.93 3.94 0.00	47.64 4.11 0.00	47.36 4.04 0.00	47.02 3.78 0.00	45.78 3.41 0.00	41.57 2.60 -0.62	34.42 2.22 0.00	32.47 2.10 0.00	37.20 2.16 0.00	34.93 1.79 0.00
DARBY___SOLAR 323810	31.99 2.21 0.00	33.24 2.38 0.00	30.96 2.20 0.00	26.15 1.74 0.00	28.46 1.94 0.00	35.96 2.64 0.00	29.17 2.20 0.00	28.28 2.15 0.00	31.80 2.40 0.00	35.18 2.67 -0.05	42.91 3.10 -0.01	41.24 2.89 0.00	37.75 2.33 0.00	39.68 2.48 0.00	43.98 2.98 0.00	46.70 3.17 0.00	46.80 3.47 0.00	46.90 3.66 0.00	45.97 3.60 0.00	42.54 3.28 -0.90	35.02 2.83 0.00	33.09 2.71 0.00	37.86 2.83 0.00	35.51 2.37 0.00
DASHVILLE___HYD 23610	31.03 1.26 0.00	32.03 1.17 0.00	29.88 1.13 0.00	25.48 1.07 0.00	27.57 1.05 0.00	34.57 1.26 0.00	28.09 1.12 0.00	27.34 1.22 0.00	30.76 1.36 0.00	34.03 1.57 0.00	42.12 2.32 0.00	41.25 2.91 0.00	38.25 2.84 0.00	40.25 3.06 0.00	44.42 3.42 0.00	47.02 3.49 0.00	46.72 3.40 0.00	46.35 3.11 0.00	45.10 2.73 0.00	40.29 1.94 0.00	33.87 1.68 0.00	31.98 1.60 0.00	36.64 1.60 0.00	34.42 1.27 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	31.81 2.04 0.00	32.80 1.93 0.00	30.62 1.86 0.00	26.27 1.86 0.00	28.41 1.89 0.00	35.62 2.30 0.00	28.94 1.96 0.00	28.49 2.37 0.00	32.14 2.74 0.00	36.17 3.41 -0.30	60.59 4.89 -15.90	45.30 5.11 -1.84	47.26 4.79 -7.06	42.10 4.90 0.00	46.31 5.31 0.00	125.42 5.82 -76.07	255.27 5.96 -205.99	237.15 5.41 -188.50	148.99 4.70 -101.92	45.84 3.19 -4.30	44.27 3.02 -9.05	32.96 2.58 0.00	37.61 2.57 0.00	35.13 1.99 0.00
DELAWARE___LFGE 323621	30.65 0.88 0.00	31.77 0.90 0.00	29.60 0.84 0.00	25.14 0.73 0.00	27.30 0.77 0.00	34.32 1.00 0.00	27.79 0.82 0.00	26.92 0.79 0.00	30.24 0.85 0.00	33.47 1.01 0.00	41.24 1.45 0.00	39.98 1.64 0.00	36.97 1.55 0.00	38.91 1.72 0.00	42.94 1.91 -0.03	45.55 2.00 -0.02	45.38 2.02 -0.04	45.15 1.92 0.00	44.22 1.85 0.00	39.88 1.54 0.00	33.49 1.29 0.00	31.58 1.20 0.00	36.28 1.24 0.00	34.13 0.99 0.00
DERFIELD_115KV_TB7 355931	29.95 0.17 0.00	31.05 0.18 0.00	28.93 0.17 0.00	24.55 0.14 0.00	26.67 0.15 0.00	33.52 0.20 0.00	27.16 0.18 0.00	26.31 0.18 0.00	29.56 0.16 0.00	32.66 0.19 0.00	40.11 0.31 0.00	38.73 0.38 0.00	35.76 0.35 0.00	37.60 0.40 0.00	41.48 0.49 0.00	44.02 0.49 0.00	43.83 0.51 0.00	43.72 0.48 0.00	42.83 0.46 0.00	38.71 0.37 0.00	32.52 0.32 0.00	30.68 0.30 0.00	35.28 0.24 0.00	33.29 0.15 0.00
DOGLEVILLE___HYD 23807	30.44 0.66 0.00	31.63 0.77 0.00	29.39 0.63 0.00	24.84 0.43 0.00	27.12 0.60 0.00	34.19 0.87 0.00	27.77 0.79 0.00	26.94 0.82 0.00	30.13 0.73 0.00	33.30 0.83 0.00	40.78 0.98 0.00	38.94 0.59 0.00	35.75 0.34 0.00	37.68 0.48 0.00	41.89 0.90 0.00	44.63 1.10 0.00	44.53 1.21 0.00	44.54 1.30 0.00	43.88 1.51 0.00	39.65 1.30 0.00	33.45 1.26 0.00	31.60 1.23 0.00	36.00 0.96 0.00	33.75 0.60 0.00
DUNKIRK___115KV_TB_200 55889	30.19 0.41 0.00	31.11 0.25 0.00	28.95 0.19 0.00	24.28 -0.13 0.00	26.50 -0.02 0.00	33.36 0.05 0.00	26.70 -0.27 0.00	25.93 -0.20 0.00	28.88 -0.52 0.00	32.40 -0.06 0.00	40.68 0.88 0.00	39.50 1.16 0.00	36.16 0.74 0.00	38.14 0.94 0.00	41.97 0.98 0.00	44.75 1.23 0.00	44.72 1.40 0.00	44.66 1.42 0.00	44.40 2.04 0.00	40.22 1.87 0.00	33.42 1.23 0.00	31.62 1.25 0.00	36.57 1.53 0.00	33.88 0.74 0.00
DUNKIRK___1 23563	30.19 0.41 0.00	31.11 0.25 0.00	28.95 0.19 0.00	24.28 -0.13 0.00	26.50 -0.02 0.00	33.36 0.05 0.00	26.70 -0.27 0.00	25.93 -0.20 0.00	28.88 -0.52 0.00	32.40 -0.06 0.00	40.68 0.88 0.00	39.50 1.16 0.00	36.16 0.74 0.00	38.14 0.94 0.00	41.97 0.98 0.00	44.75 1.23 0.00	44.72 1.40 0.00	44.66 1.42 0.00	44.40 2.04 0.00	40.22 1.87 0.00	33.42 1.23 0.00	31.62 1.25 0.00	36.57 1.53 0.00	33.88 0.74 0.00
DUNKIRK___2 23564	30.19 0.41 0.00	31.11 0.25 0.00	28.95 0.19 0.00	24.28 -0.13 0.00	26.50 -0.02 0.00	33.36 0.05 0.00	26.70 -0.27 0.00	25.93 -0.20 0.00	28.88 -0.52 0.00	32.40 -0.06 0.00	40.68 0.88 0.00	39.50 1.16 0.00	36.16 0.74 0.00	38.14 0.94 0.00	41.97 0.98 0.00	44.75 1.23 0.00	44.72 1.40 0.00	44.66 1.42 0.00	44.40 2.04 0.00	40.22 1.87 0.00	33.42 1.23 0.00	31.62 1.25 0.00	36.57 1.53 0.00	33.88 0.74 0.00
DUNKIRK___3 23565	30.00 0.22 0.00	30.91 0.05 0.00	28.78 0.03 0.00	24.15 -0.27 0.00	26.35 -0.18 0.00	33.16 -0.15 0.00	26.54 -0.43 0.00	25.75 -0.37 0.00	28.68 -0.71 0.00	32.19 -0.27 0.00	40.39 0.60 0.00	39.21 0.87 0.00	35.88 0.47 0.00	37.84 0.64 0.00	41.65 0.65 0.00	44.42 0.88 0.00	44.40 1.08 0.00	44.37 1.13 0.00	44.09 1.72 0.00	39.93 1.58 0.00	33.18 0.98 0.00	31.40 1.02 0.00	36.33 1.29 0.00	33.71 0.57 0.00
DUNKIRK___4 23566	30.00 0.22 0.00	30.91 0.05 0.00	28.78 0.03 0.00	24.15 -0.27 0.00	26.35 -0.18 0.00	33.16 -0.15 0.00	26.54 -0.43 0.00	25.75 -0.37 0.00	28.68 -0.71 0.00	32.19 -0.27 0.00	40.39 0.60 0.00	39.21 0.87 0.00	35.88 0.47 0.00	37.84 0.64 0.00	41.65 0.65 0.00	44.42 0.88 0.00	44.40 1.08 0.00	44.37 1.13 0.00	44.09 1.72 0.00	39.93 1.58 0.00	33.18 0.98 0.00	31.40 1.02 0.00	36.33 1.29 0.00	33.71 0.57 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	31.48 1.70 0.00	32.51 1.65 0.00	30.30 1.54 0.00	25.85 1.43 0.00	27.98 1.45 0.00	35.04 1.73 0.00	28.48 1.50 0.00	27.74 1.62 0.00	31.21 1.81 0.00	34.85 2.09 -0.30	42.76 2.89 -0.07	41.69 3.34 0.00	38.63 3.22 0.00	40.63 3.43 0.00	44.73 3.74 0.00	47.36 3.82 0.00	47.31 3.76 -0.22	46.72 3.48 0.00	45.46 3.09 0.00	44.91 2.27 -4.29	34.20 1.99 -0.01	32.27 1.90 0.00	36.98 1.95 0.00	34.78 1.64 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	31.20 1.42 0.00	32.25 1.38 0.00	30.06 1.30 0.00	25.62 1.21 0.00	27.75 1.23 0.00	34.77 1.45 0.00	28.26 1.28 0.00	27.50 1.38 0.00	30.91 1.51 0.00	34.10 1.73 0.09	42.21 2.43 0.02	41.23 2.88 0.00	38.21 2.79 0.00	40.23 3.03 0.00	44.40 3.40 0.00	47.07 3.54 0.00	46.73 3.48 0.07	46.48 3.24 0.00	45.26 2.89 0.00	39.20 2.14 1.29	34.04 1.85 0.00	32.13 1.75 0.00	36.81 1.77 0.00	34.60 1.45 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	31.58 1.81 0.00	32.58 1.72 0.00	30.39 1.63 0.00	25.94 1.53 0.00	28.04 1.52 0.00	35.08 1.76 0.00	28.57 1.59 0.00	27.84 1.71 0.00	31.29 1.89 0.00	34.92 2.16 -0.30	42.88 3.01 -0.07	41.81 3.46 0.00	38.76 3.34 0.00	40.69 3.50 0.00	44.87 3.88 0.01	47.55 4.03 0.01	47.47 3.92 -0.22	46.82 3.57 -0.01	45.52 3.14 -0.01	44.98 2.34 -4.30	34.34 2.13 -0.02	32.37 1.99 0.00	37.11 2.07 0.00	34.88 1.74 0.00
E179THST_13_KV_LOAD 356214	31.81 2.03 0.00	32.80 1.93 0.00	30.58 1.82 0.00	26.09 1.68 0.00	28.21 1.68 0.00	35.28 1.96 0.00	28.74 1.77 0.00	28.01 1.89 0.00	31.48 2.09 0.00	35.15 2.39 -0.30	43.18 3.31 -0.07	42.11 3.76 0.00	39.04 3.63 0.00	41.00 3.80 0.00	45.20 4.21 0.01	47.89 4.37 0.01	47.80 4.26 -0.22	47.15 3.90 -0.01	45.83 3.45 -0.01	45.25 2.61 -4.30	34.58 2.37 -0.02	32.58 2.21 0.00	37.36 2.32 0.00	35.11 1.97 0.00
EAST HAMPTON___GT 23717	31.40 1.62 0.00	32.35 1.49 0.00	30.26 1.50 0.00	26.11 1.70 0.00	28.22 1.70 0.00	35.36 2.04 0.00	28.80 1.83 0.00	28.62 2.49 0.00	32.25 2.85 0.00	36.18 3.42 -0.30	60.79 5.10 -15.90	45.30 5.11 -1.84	47.17 4.70 -7.06	41.84 4.65 0.00	46.03 5.03 0.00	125.20 5.51 -76.15	255.18 5.66 -206.19	236.97 5.06 -188.66	148.73 4.31 -102.04	45.39 2.74 -4.30	44.10 2.86 -9.05	32.72 2.35 0.00	37.33 2.30 0.00	34.96 1.82 0.00
EAST RIVER___6 23660	31.66 1.88 0.00	32.70 1.84 0.00	30.48 1.72 0.00	26.04 1.62 0.00	28.15 1.63 0.00	35.20 1.89 0.00	28.64 1.66 0.00	27.91 1.78 0.00	31.37 1.97 0.00	35.05 2.29 -0.30	43.03 3.16 -0.07	42.02 3.67 0.00	38.96 3.54 0.00	40.96 3.76 0.00	45.11 4.12 0.00	47.70 4.17 0.00	47.64 4.10 -0.22	47.03 3.79 0.00	45.73 3.37 0.00	45.16 2.53 -4.29	34.41 2.20 -0.01	32.44 2.06 0.00	37.16 2.12 0.00	34.93 1.79 0.00
EAST RIVER___7 23524	31.66 1.88 0.00	32.70 1.84 0.00	30.48 1.72 0.00	26.04 1.62 0.00	28.15 1.63 0.00	35.20 1.89 0.00	28.64 1.66 0.00	27.91 1.78 0.00	31.37 1.97 0.00	35.05 2.29 -0.30	43.03 3.16 -0.07	42.02 3.67 0.00	38.96 3.54 0.00	40.96 3.76 0.00	45.11 4.12 0.00	47.70 4.17 0.00	47.64 4.10 -0.22	47.03 3.79 0.00	45.73 3.37 0.00	45.16 2.53 -4.29	34.41 2.20 -0.01	32.44 2.06 0.00	37.16 2.12 0.00	34.93 1.79 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	31.38 1.60 0.00	32.42 1.56 0.00	30.21 1.46 0.00	25.77 1.36 0.00	27.90 1.38 0.00	34.94 1.63 0.00	28.40 1.43 0.00	27.67 1.55 0.00	31.12 1.72 0.00	34.75 1.98 -0.32	42.62 2.75 -0.08	41.54 3.19 0.00	38.49 3.08 0.00	40.48 3.29 0.00	44.61 3.61 0.00	47.23 3.69 0.00	47.20 3.64 -0.25	46.61 3.37 0.00	45.35 2.98 0.00	44.94 2.19 -4.40	34.12 1.91 -0.01	32.19 1.81 0.00	36.88 1.84 0.00	34.69 1.55 0.00
EAST_HAMPTON___DIESEL 23722	31.32 1.54 0.00	32.26 1.39 0.00	30.18 1.42 0.00	26.04 1.63 0.00	28.13 1.61 0.00	35.26 1.94 0.00	28.73 1.75 0.00	28.57 2.44 0.00	32.21 2.81 0.00	36.16 3.39 -0.30	60.77 5.07 -15.90	45.26 5.07 -1.84	47.13 4.66 -7.06	41.77 4.58 0.00	45.96 4.96 0.00	125.12 5.44 -76.15	255.08 5.58 -206.18	236.87 4.97 -188.66	148.63 4.22 -102.04	45.30 2.64 -4.30	44.01 2.77 -9.05	32.63 2.26 0.00	37.24 2.21 0.00	34.86 1.72 0.00
EAST_POINT___SOLAR 323840	31.98 2.20 0.00	33.07 2.20 0.00	30.71 1.95 0.00	26.01 1.60 0.00	28.31 1.78 0.00	35.62 2.30 0.00	28.83 1.85 0.00	27.93 1.81 0.00	31.31 1.91 0.00	34.75 2.28 0.00	42.14 2.35 0.00	40.00 1.65 0.00	36.47 1.06 0.00	38.54 1.34 0.00	43.17 2.17 0.00	46.26 2.73 0.00	46.29 2.97 0.00	46.64 3.40 0.00	46.15 3.79 0.00	42.64 3.68 -0.61	35.28 3.08 0.00	33.20 2.82 0.00	38.23 3.19 0.00	35.95 2.81 0.00
EAST_PULASKI___ESR 323781	29.72 -0.06 0.00	30.72 -0.14 0.00	28.60 -0.16 0.00	24.21 -0.20 0.00	26.27 -0.26 0.00	32.96 -0.35 0.00	26.64 -0.33 0.00	25.80 -0.33 0.00	29.05 -0.35 0.00	32.17 -0.29 0.00	39.65 -0.17 -0.02	38.39 0.05 0.00	35.46 0.05 0.00	37.31 0.12 0.00	41.25 -0.03 -0.28	43.81 0.09 -0.18	43.80 0.11 -0.37	43.30 0.06 0.00	42.54 0.17 0.00	38.61 0.26 0.00	32.46 0.26 0.00	30.64 0.27 0.00	35.33 0.29 0.00	33.06 -0.09 0.00
EAST_RIVER___1 323558	31.64 1.86 0.00	32.66 1.80 0.00	30.43 1.68 0.00	25.98 1.57 0.00	28.10 1.57 0.00	35.18 1.86 0.00	28.60 1.62 0.00	27.87 1.75 0.00	31.34 1.95 0.00	35.03 2.27 -0.30	43.02 3.15 -0.07	41.97 3.62 0.00	38.90 3.49 0.00	40.89 3.69 0.00	45.01 4.01 0.00	47.62 4.09 0.00	47.56 4.01 -0.22	46.95 3.71 0.00	45.68 3.31 0.00	45.11 2.48 -4.29	34.36 2.15 -0.01	32.42 2.04 0.00	37.15 2.11 0.00	34.92 1.78 0.00
EAST_RIVER___2 323559	31.66 1.88 0.00	32.70 1.84 0.00	30.48 1.72 0.00	26.04 1.62 0.00	28.15 1.63 0.00	35.20 1.89 0.00	28.64 1.66 0.00	27.91 1.78 0.00	31.37 1.97 0.00	35.05 2.29 -0.30	43.03 3.16 -0.07	42.02 3.67 0.00	38.96 3.54 0.00	40.96 3.76 0.00	45.11 4.12 0.00	47.70 4.17 0.00	47.64 4.10 -0.22	47.03 3.79 0.00	45.73 3.37 0.00	45.16 2.53 -4.29	34.41 2.20 -0.01	32.44 2.06 0.00	37.16 2.12 0.00	34.93 1.79 0.00
EAST___DELAWARE_HYD 23607	30.44 0.66 0.00	31.44 0.57 0.00	29.28 0.52 0.00	24.95 0.54 0.00	27.02 0.49 0.00	33.86 0.54 0.00	27.51 0.54 0.00	26.77 0.65 0.00	30.12 0.73 0.00	33.25 0.85 0.06	41.22 1.44 0.02	40.22 1.87 0.00	37.31 1.89 0.00	39.31 2.11 0.00	43.45 2.45 0.00	46.13 2.60 0.00	45.83 2.56 0.05	45.57 2.33 0.00	44.34 1.98 0.00	38.62 1.34 1.07	33.34 1.15 0.00	31.44 1.07 0.00	36.05 1.01 0.00	33.87 0.73 0.00
EIGHT_POINT___WT_PWR 323820	30.48 0.71 0.00	31.55 0.69 0.00	29.36 0.60 0.00	24.73 0.32 0.00	26.92 0.39 0.00	33.91 0.60 0.00	27.24 0.26 0.00	26.44 0.32 0.00	29.56 0.16 0.00	33.07 0.61 0.00	41.14 1.34 0.00	39.93 1.58 0.00	36.67 1.26 0.00	38.67 1.48 0.00	42.60 1.56 -0.04	45.23 1.68 -0.02	45.08 1.71 -0.05	45.15 1.91 0.00	44.59 2.22 0.00	40.39 2.04 0.00	33.74 1.54 0.00	31.79 1.42 0.00	36.85 1.81 0.00	34.34 1.20 0.00
ELBRIDGE_115KV_TB2 80188	29.64 -0.14 0.00	30.69 -0.18 0.00	28.58 -0.18 0.00	24.18 -0.24 0.00	26.29 -0.23 0.00	33.06 -0.25 0.00	26.72 -0.26 0.00	25.91 -0.21 0.00	29.10 -0.30 0.00	32.24 -0.22 0.00	39.82 0.01 -0.02	38.57 0.22 0.00	35.63 0.22 0.00	37.45 0.26 0.00	41.49 0.30 -0.19	44.03 0.37 -0.12	43.98 0.41 -0.24	43.62 0.37 0.00	42.81 0.44 0.00	38.75 0.40 0.00	32.52 0.32 0.00	30.65 0.27 0.00	35.26 0.22 0.00	33.07 -0.07 0.00
ELEC_TRO_TEK 24086	31.63 1.86 0.00	32.71 1.85 0.00	30.50 1.74 0.00	26.07 1.65 0.00	28.23 1.70 0.00	35.38 2.06 0.00	28.70 1.73 0.00	27.96 1.83 0.00	31.50 2.10 0.00	35.23 2.47 -0.30	59.11 3.41 -15.90	44.06 3.87 -1.84	46.18 3.71 -7.06	41.08 3.88 0.00	45.20 4.20 0.00	79.70 4.44 -31.72	79.91 4.39 -32.20	57.84 3.97 -10.63	45.76 3.39 0.00	44.91 2.26 -4.30	34.17 1.96 -0.01	32.28 1.90 0.00	37.03 1.99 0.00	34.78 1.64 0.00



ELLENBURG_WT_PWR 323604	29.96 0.18 0.00	31.03 0.16 0.00	28.83 0.06 0.00	24.39 -0.02 0.00	26.59 0.07 0.00	33.26 -0.06 0.00	26.92 -0.06 0.00	25.95 -0.18 0.00	29.56 0.16 0.00	32.64 0.18 0.00	39.60 -0.20 0.00	37.73 -0.61 0.00	34.61 -0.81 0.00	36.27 -0.93 0.00	39.87 -1.12 0.00	42.08 -1.45 0.00	41.98 -1.34 0.00	42.12 -1.12 0.00	41.39 -0.99 0.00	37.62 -0.73 0.00	31.33 -0.86 0.00	29.45 -0.93 0.00	34.71 -0.33 0.00	33.50 0.36 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	29.78 0.00 0.00	30.71 -0.15 0.00	28.63 -0.13 0.00	23.96 -0.46 0.00	26.15 -0.37 0.00	32.91 -0.41 0.00	26.33 -0.65 0.00	25.42 -0.71 0.00	28.27 -1.12 0.00	31.74 -0.72 0.00	39.90 0.10 0.00	38.64 0.29 0.00	35.35 -0.07 0.00	37.18 -0.01 0.00	40.96 -0.04 0.00	43.72 0.19 0.00	43.79 0.47 0.00	43.89 0.65 0.00	43.59 1.23 0.00	39.48 1.13 0.00	32.76 0.56 0.00	31.03 0.66 0.00	35.95 0.91 0.00	33.47 0.33 0.00
EMPIRE_CC_1 323656	30.46 0.68 0.00	31.66 0.80 0.00	29.50 0.74 0.00	25.02 0.61 0.00	27.21 0.69 0.00	34.22 0.90 0.00	27.79 0.81 0.00	26.90 0.78 0.00	30.16 0.76 0.00	33.35 0.82 -0.06	40.75 0.94 -0.02	39.38 1.04 0.00	36.36 0.94 0.00	38.21 1.02 0.00	42.23 1.24 0.00	44.69 1.16 0.00	44.46 1.08 -0.05	44.43 1.19 0.00	43.45 1.08 0.00	40.47 0.85 -1.26	33.01 0.80 0.00	31.21 0.83 0.00	35.69 0.64 0.00	33.66 0.52 0.00
EMPIRE_CC_2 323658	30.46 0.68 0.00	31.66 0.80 0.00	29.50 0.74 0.00	25.02 0.61 0.00	27.21 0.69 0.00	34.22 0.90 0.00	27.79 0.81 0.00	26.90 0.78 0.00	30.16 0.76 0.00	33.35 0.82 -0.06	40.75 0.94 -0.02	39.38 1.04 0.00	36.36 0.94 0.00	38.21 1.02 0.00	42.23 1.24 0.00	44.69 1.16 0.00	44.46 1.08 -0.05	44.43 1.19 0.00	43.45 1.08 0.00	40.47 0.85 -1.26	33.01 0.80 0.00	31.21 0.83 0.00	35.69 0.64 0.00	33.66 0.52 0.00
ENORWICH_115KV_TB1 80156	32.08 2.30 0.00	33.15 2.28 0.00	30.85 2.09 0.00	26.11 1.70 0.00	28.40 1.87 0.00	35.76 2.44 0.00	28.90 1.93 0.00	28.07 1.95 0.00	31.47 2.08 0.00	34.74 2.28 0.00	42.94 3.13 -0.01	41.24 2.90 0.00	38.16 2.74 0.00	40.66 3.47 0.00	45.07 4.00 -0.07	48.09 4.52 -0.05	48.05 4.63 -0.09	47.89 4.65 0.00	47.13 4.76 0.00	42.66 4.31 0.00	35.76 3.57 0.00	33.64 3.26 0.00	38.60 3.56 0.00	36.07 2.92 0.00
ERIE_ST__34_KV_TB1-2 80199	30.00 0.22 0.00	30.92 0.06 0.00	28.80 0.04 0.00	24.12 -0.29 0.00	26.31 -0.21 0.00	33.12 -0.20 0.00	26.50 -0.47 0.00	25.64 -0.49 0.00	28.59 -0.80 0.00	32.12 -0.34 0.00	40.34 0.54 0.00	39.08 0.74 0.00	35.77 0.36 0.00	37.66 0.46 0.00	41.43 0.43 0.00	44.21 0.68 0.00	44.30 0.98 0.00	44.37 1.13 0.00	44.06 1.70 0.00	39.93 1.58 0.00	33.13 0.94 0.00	31.35 0.98 0.00	36.29 1.25 0.00	33.75 0.61 0.00
ERIE_WT_PWR 323693	29.95 0.17 0.00	30.88 0.02 0.00	28.78 0.02 0.00	24.09 -0.33 0.00	26.29 -0.24 0.00	33.08 -0.24 0.00	26.47 -0.51 0.00	25.58 -0.55 0.00	28.47 -0.93 0.00	31.96 -0.50 0.00	40.12 0.33 0.00	38.91 0.56 0.00	35.60 0.19 0.00	37.46 0.26 0.00	41.24 0.25 0.00	44.02 0.48 0.00	44.13 0.81 0.00	44.18 0.94 0.00	43.89 1.52 0.00	39.75 1.40 0.00	33.02 0.82 0.00	31.24 0.87 0.00	36.18 1.15 0.00	33.66 0.52 0.00
ESPRGFLD_115KV_TB1 80157	31.35 1.57 0.00	32.40 1.54 0.00	30.12 1.36 0.00	25.54 1.12 0.00	27.79 1.26 0.00	34.91 1.59 0.00	28.23 1.25 0.00	27.34 1.22 0.00	30.82 1.42 0.00	34.16 1.70 0.00	42.06 2.26 0.00	40.57 2.22 0.00	37.45 2.03 0.00	39.43 2.23 0.00	43.53 2.53 0.00	46.40 2.87 0.00	46.38 3.06 0.00	46.31 3.07 0.00	45.50 3.13 0.00	41.19 2.84 0.00	34.50 2.30 0.00	32.44 2.07 0.00	37.43 2.40 0.00	35.25 2.11 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	30.42 0.64 0.00	31.45 0.59 0.00	29.28 0.52 0.00	24.80 0.38 0.00	26.95 0.42 0.00	33.90 0.58 0.00	27.39 0.42 0.00	26.59 0.47 0.00	29.85 0.45 0.00	33.06 0.60 0.00	40.78 0.98 -0.01	39.49 1.15 0.00	36.54 1.12 0.00	38.51 1.32 0.00	42.66 1.57 -0.10	45.34 1.75 -0.06	45.23 1.78 -0.13	44.96 1.72 0.00	44.19 1.83 0.00	40.00 1.65 0.00	33.57 1.37 0.00	31.64 1.27 0.00	36.36 1.32 0.00	34.05 0.91 0.00
ETNA____115KV_TB2 80207	30.42 0.64 0.00	31.45 0.59 0.00	29.28 0.52 0.00	24.80 0.38 0.00	26.95 0.42 0.00	33.90 0.58 0.00	27.39 0.42 0.00	26.59 0.47 0.00	29.85 0.45 0.00	33.06 0.60 0.00	40.78 0.98 -0.01	39.49 1.15 0.00	36.54 1.12 0.00	38.51 1.32 0.00	42.66 1.57 -0.10	45.34 1.75 -0.06	45.23 1.78 -0.13	44.96 1.72 0.00	44.19 1.83 0.00	40.00 1.65 0.00	33.57 1.37 0.00	31.64 1.27 0.00	36.36 1.32 0.00	34.05 0.91 0.00
EUCLID__115KV_TB2 356179	29.44 -0.34 0.00	30.47 -0.39 0.00	28.38 -0.38 0.00	24.04 -0.37 0.00	26.12 -0.41 0.00	32.83 -0.49 0.00	26.55 -0.43 0.00	25.72 -0.40 0.00	28.89 -0.50 0.00	32.04 -0.42 0.00	39.52 -0.29 -0.01	38.29 -0.06 0.00	35.35 -0.06 0.00	37.19 -0.01 0.00	41.04 -0.03 -0.08	43.61 0.03 -0.05	43.51 0.08 -0.10	43.33 0.09 0.00	42.52 0.15 0.00	38.45 0.10 0.00	32.24 0.04 0.00	30.42 0.05 0.00	34.99 -0.05 0.00	32.87 -0.27 0.00
E_CANADA_CAP_HY 24051	31.67 1.89 0.00	32.76 1.90 0.00	30.41 1.66 0.00	25.77 1.35 0.00	28.07 1.54 0.00	35.27 1.95 0.00	28.51 1.54 0.00	27.61 1.49 0.00	31.11 1.72 0.00	34.46 2.00 0.00	42.22 2.43 0.00	40.39 2.05 0.00	37.11 1.69 0.00	39.06 1.86 0.00	43.27 2.27 0.00	46.31 2.77 0.00	46.34 3.02 0.00	46.45 3.21 0.00	45.74 3.37 0.00	42.09 3.20 -0.54	34.81 2.61 0.00	32.73 2.35 0.00	37.80 2.76 0.00	35.64 2.49 0.00
E_CANADA_MHWK_HY 24050	30.44 0.66 0.00	31.63 0.77 0.00	29.39 0.63 0.00	24.84 0.43 0.00	27.12 0.60 0.00	34.19 0.87 0.00	27.77 0.79 0.00	26.94 0.82 0.00	30.13 0.73 0.00	33.30 0.83 0.00	40.78 0.98 0.00	38.94 0.59 0.00	35.75 0.34 0.00	37.68 0.48 0.00	41.89 0.90 0.00	44.63 1.10 0.00	44.53 1.21 0.00	44.54 1.30 0.00	43.88 1.51 0.00	39.65 1.30 0.00	33.45 1.26 0.00	31.60 1.23 0.00	36.00 0.96 0.00	33.75 0.60 0.00
E_FISHKILL__LBMP 23776	31.13 1.35 0.00	32.19 1.32 0.00	30.02 1.26 0.00	25.58 1.16 0.00	27.68 1.16 0.00	34.72 1.40 0.00	28.22 1.24 0.00	27.45 1.33 0.00	30.86 1.46 0.00	34.23 1.67 -0.10	42.13 2.31 -0.03	41.06 2.71 0.00	38.02 2.61 0.00	39.98 2.79 0.00	44.08 3.08 0.00	46.69 3.15 0.00	46.50 3.09 -0.08	46.14 2.90 0.00	44.95 2.58 0.00	43.40 1.88 -3.17	33.85 1.65 -0.01	31.96 1.58 0.00	36.61 1.57 0.00	34.43 1.29 0.00
FALCON___SEABRD_CC1 323796	30.34 0.56 0.00	31.42 0.56 0.00	29.21 0.45 0.00	24.67 0.25 0.00	26.93 0.40 0.00	33.99 0.67 0.00	27.40 0.42 0.00	26.32 0.19 0.00	30.13 0.74 0.00	33.31 0.85 0.00	40.49 0.70 0.00	38.66 0.32 0.00	35.26 -0.16 0.00	37.02 -0.18 0.00	40.76 -0.24 0.00	42.70 -0.83 0.00	42.70 -0.62 0.00	42.90 -0.34 0.00	42.14 -0.23 0.00	38.19 -0.16 0.00	32.04 -0.15 0.00	30.20 -0.17 0.00	35.88 0.84 0.00	34.47 1.33 0.00



FALCON___SEABRD_CC2 323797	30.34 0.56 0.00	31.42 0.56 0.00	29.21 0.45 0.00	24.67 0.25 0.00	26.93 0.40 0.00	33.99 0.67 0.00	27.40 0.42 0.00	26.32 0.19 0.00	30.13 0.74 0.00	33.31 0.85 0.00	40.49 0.70 0.00	38.66 0.32 0.00	35.26 -0.16 0.00	37.02 -0.18 0.00	40.76 -0.24 0.00	42.70 -0.83 0.00	42.70 -0.62 0.00	42.90 -0.34 0.00	42.14 -0.23 0.00	38.19 -0.16 0.00	32.04 -0.15 0.00	30.20 -0.17 0.00	35.88 0.84 0.00	34.47 1.33 0.00
FAR ROCKAWAY___4 23548	32.15 2.37 0.00	33.31 2.44 0.00	31.05 2.29 0.00	26.53 2.11 0.00	28.72 2.19 0.00	35.99 2.67 0.00	29.19 2.21 0.00	28.44 2.32 0.00	32.07 2.67 0.00	35.93 3.17 -0.30	59.99 4.29 -15.90	44.68 4.49 -1.84	46.81 4.33 -7.06	41.75 4.55 0.00	45.91 4.92 0.00	80.44 5.18 -31.72	77.78 4.84 -29.62	57.60 4.73 -9.63	46.50 4.13 0.00	45.50 2.85 -4.30	34.63 2.43 -0.01	32.70 2.33 0.00	37.48 2.45 0.00	35.36 2.22 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	31.64 1.87 0.00	32.67 1.81 0.00	30.45 1.69 0.00	25.99 1.57 0.00	28.10 1.58 0.00	35.18 1.87 0.00	28.60 1.63 0.00	27.88 1.76 0.00	31.37 1.98 0.00	35.05 2.29 -0.30	43.03 3.16 -0.07	41.99 3.64 0.00	38.91 3.50 0.00	40.89 3.70 0.00	45.02 4.02 0.00	47.62 4.09 0.00	47.57 4.02 -0.22	46.97 3.72 0.00	45.70 3.33 0.00	45.13 2.49 -4.29	34.39 2.18 -0.01	32.43 2.06 0.00	37.16 2.12 0.00	34.96 1.82 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	31.68 1.91 0.00	32.71 1.84 0.00	30.48 1.72 0.00	26.01 1.60 0.00	28.13 1.61 0.00	35.22 1.90 0.00	28.63 1.65 0.00	27.90 1.78 0.00	31.39 2.00 0.00	35.08 2.32 -0.30	43.07 3.20 -0.07	42.03 3.68 0.00	38.95 3.53 0.00	40.94 3.74 0.00	45.06 4.06 0.00	47.67 4.15 0.00	47.63 4.08 -0.22	47.01 3.77 0.00	45.74 3.37 0.00	45.17 2.53 -4.29	34.42 2.22 -0.01	32.47 2.10 0.00	37.20 2.16 0.00	34.99 1.85 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	31.63 1.85 0.00	32.65 1.79 0.00	30.42 1.66 0.00	25.96 1.55 0.00	28.09 1.56 0.00	35.16 1.84 0.00	28.59 1.61 0.00	27.86 1.74 0.00	31.34 1.95 0.00	35.03 2.27 -0.30	43.00 3.13 -0.07	41.95 3.61 0.00	38.88 3.46 0.00	40.86 3.66 0.00	44.98 3.98 0.00	47.58 4.05 0.00	47.53 3.98 -0.22	46.92 3.68 0.00	45.66 3.29 0.00	45.09 2.45 -4.29	34.36 2.15 -0.01	32.41 2.04 0.00	37.13 2.09 0.00	34.92 1.78 0.00
FARRAGUT___LBMP 323566	31.60 1.82 0.00	32.62 1.76 0.00	30.40 1.64 0.00	25.94 1.53 0.00	28.07 1.54 0.00	35.13 1.81 0.00	28.56 1.59 0.00	27.84 1.72 0.00	31.32 1.92 0.00	34.99 2.23 -0.30	42.95 3.08 -0.07	41.91 3.56 0.00	38.84 3.43 0.00	40.82 3.62 0.00	44.93 3.93 0.00	47.53 4.00 0.00	47.48 3.94 -0.22	46.88 3.64 0.00	45.62 3.25 0.00	45.05 2.42 -4.29	34.33 2.12 -0.01	32.38 2.01 0.00	37.10 2.06 0.00	34.90 1.75 0.00
FENNER___WINDPWR 24204	30.47 0.69 0.00	31.51 0.65 0.00	29.33 0.57 0.00	24.88 0.47 0.00	27.02 0.50 0.00	33.95 0.64 0.00	27.48 0.50 0.00	26.62 0.50 0.00	29.91 0.52 0.00	33.11 0.64 0.00	40.77 0.96 -0.01	39.45 1.11 0.00	36.50 1.09 0.00	38.45 1.25 0.00	42.47 1.40 -0.07	45.12 1.54 -0.05	45.12 1.70 -0.10	44.94 1.69 0.00	44.14 1.77 0.00	39.93 1.58 0.00	33.49 1.29 0.00	31.57 1.20 0.00	36.28 1.24 0.00	34.05 0.91 0.00
FIBERTEK___ENERGY 23856	29.73 -0.05 0.00	30.83 -0.04 0.00	28.71 -0.05 0.00	24.30 -0.11 0.00	26.41 -0.11 0.00	33.20 -0.12 0.00	26.85 -0.13 0.00	26.04 -0.09 0.00	29.25 -0.14 0.00	32.43 -0.03 0.00	40.03 0.22 -0.01	38.78 0.43 0.00	35.83 0.42 0.00	37.68 0.49 0.00	41.72 0.55 -0.18	44.28 0.63 -0.11	44.22 0.67 -0.23	43.88 0.64 0.00	43.08 0.71 0.00	38.96 0.61 0.00	32.70 0.50 0.00	30.83 0.46 0.00	35.45 0.41 0.00	33.27 0.13 0.00
FITZPATRICK____ 23598	28.96 -0.82 0.00	29.99 -0.87 0.00	27.94 -0.82 0.00	23.67 -0.74 0.00	25.73 -0.80 0.00	32.33 -0.99 0.00	26.15 -0.82 0.00	25.33 -0.79 0.00	28.46 -0.93 0.00	31.52 -0.94 0.00	38.72 -0.99 0.08	37.54 -0.80 0.00	34.65 -0.76 0.00	36.43 -0.77 0.00	39.13 -0.87 0.99	41.99 -0.90 0.64	41.19 -0.85 1.28	42.42 -0.82 0.00	41.62 -0.75 0.00	37.65 -0.70 0.00	31.58 -0.61 0.00	29.81 -0.57 0.00	34.32 -0.72 0.00	32.30 -0.84 0.00
FLOWRFLD_69_KV_BK1 356044	31.87 2.09 0.00	32.91 2.05 0.00	30.70 1.94 0.00	26.25 1.84 0.00	28.43 1.91 0.00	35.64 2.33 0.00	28.91 1.94 0.00	28.19 2.07 0.00	31.79 2.40 0.00	35.70 2.94 -0.30	59.73 4.03 -15.90	44.69 4.49 -1.85	46.66 4.18 -7.06	41.60 4.41 0.00	45.75 4.75 0.00	196.29 5.19 -147.57	444.79 5.18 -396.30	400.62 4.69 -352.69	267.68 3.97 -221.34	45.23 2.58 -4.30	46.63 2.22 -12.22	32.45 2.08 0.00	37.23 2.19 0.00	34.80 1.66 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	31.59 1.81 0.00	32.63 1.77 0.00	30.40 1.65 0.00	25.89 1.48 0.00	28.05 1.52 0.00	35.18 1.86 0.00	28.58 1.60 0.00	27.83 1.70 0.00	31.30 1.90 0.00	34.67 2.21 0.00	42.84 3.04 0.00	41.83 3.48 0.00	38.77 3.36 0.00	40.83 3.64 0.00	45.09 4.10 0.00	47.79 4.26 0.00	47.51 4.19 0.00	47.16 3.92 0.00	45.91 3.54 0.00	42.08 2.72 -1.00	34.52 2.32 0.00	32.56 2.19 0.00	37.28 2.24 0.00	35.01 1.87 0.00
FORT ORANGE____ 23900	30.58 0.80 0.00	31.74 0.88 0.00	29.57 0.81 0.00	25.09 0.67 0.00	27.25 0.72 0.00	34.26 0.95 0.00	27.71 0.73 0.00	26.79 0.66 0.00	30.01 0.62 0.00	33.21 0.69 -0.05	40.59 0.78 -0.01	39.17 0.82 0.00	36.19 0.77 0.00	38.05 0.85 0.00	42.01 1.01 0.00	44.48 0.95 0.00	44.28 0.96 0.00	44.32 1.08 0.00	43.36 0.99 0.00	39.99 0.77 -0.87	32.91 0.71 0.00	31.09 0.72 0.00	35.58 0.54 0.00	33.71 0.56 0.00
FORT_DRUM_COGEN 23780	30.79 1.02 0.00	31.74 0.87 0.00	29.52 0.75 0.00	24.97 0.56 0.00	27.02 0.50 0.00	33.75 0.43 0.00	27.21 0.24 0.00	26.29 0.17 0.00	29.82 0.42 0.00	33.07 0.61 0.00	40.50 0.69 -0.01	39.15 0.80 0.00	36.25 0.84 0.00	38.24 1.05 0.00	42.13 0.99 -0.14	45.00 1.37 -0.09	45.00 1.49 -0.18	44.50 1.26 0.00	43.82 1.45 0.00	40.13 1.77 0.00	33.71 1.51 0.00	31.63 1.26 0.00	36.58 1.54 0.00	33.95 0.81 0.00
FOX_HILLS___ESR 323835	31.79 1.87 -0.15	32.70 1.83 0.00	30.49 1.73 0.00	26.00 1.59 0.00	28.10 1.58 0.00	35.20 1.88 0.00	28.64 1.66 0.00	27.89 1.77 0.00	31.38 1.99 0.00	35.03 2.27 -0.30	43.04 3.17 -0.07	43.62 3.63 -1.65	70.03 3.55 -31.06	179.75 3.81 -138.74	68.90 4.05 -23.84	73.21 4.13 -25.56	70.42 4.00 -23.09	68.11 3.67 -21.20	65.52 3.16 -19.99	66.99 2.36 -26.28	38.47 2.17 -4.11	32.42 2.03 -0.01	37.15 2.11 0.00	37.50 1.80 -2.55
FPL FAR_ROCK_GT1 24212	32.15 2.37 0.00	33.31 2.44 0.00	31.05 2.29 0.00	26.53 2.11 0.00	28.72 2.19 0.00	35.99 2.67 0.00	29.19 2.21 0.00	28.44 2.32 0.00	32.07 2.67 0.00	35.93 3.17 -0.30	59.99 4.29 -15.90	44.67 4.49 -1.84	46.81 4.33 -7.06	41.75 4.55 0.00	45.91 4.91 0.00	80.44 5.18 -31.73	77.76 4.81 -29.62	57.58 4.72 -9.63	46.50 4.13 0.00	45.50 2.85 -4.30	34.63 2.42 -0.01	32.70 2.33 0.00	37.48 2.45 0.00	35.36 2.22 0.00



FPL FAR_ROCK_GT2 23815	32.15 2.37 0.00	33.31 2.44 0.00	31.05 2.29 0.00	26.53 2.11 0.00	28.72 2.19 0.00	35.99 2.67 0.00	29.19 2.21 0.00	28.44 2.32 0.00	32.07 2.67 0.00	35.93 3.17 -0.30	59.99 4.29 -15.90	44.67 4.49 -1.84	46.81 4.33 -7.06	41.75 4.55 0.00	45.91 4.91 0.00	80.44 5.18 -31.73	77.76 4.81 -29.62	57.58 4.72 -9.63	46.50 4.13 0.00	45.50 2.85 -4.30	34.63 2.42 -0.01	32.70 2.33 0.00	37.48 2.45 0.00	35.36 2.22 0.00
FRANKLIN_FALL_HYD 24054	30.07 0.30 0.00	31.09 0.23 0.00	28.89 0.12 0.00	24.46 0.05 0.00	26.67 0.14 0.00	33.42 0.11 0.00	27.05 0.07 0.00	26.10 -0.02 0.00	29.75 0.35 0.00	32.89 0.42 0.00	39.77 -0.03 0.00	37.86 -0.49 0.00	34.77 -0.65 0.00	36.43 -0.76 0.00	40.09 -0.91 0.00	42.41 -1.12 0.00	42.32 -1.00 0.00	42.50 -0.74 0.00	41.81 -0.56 0.00	38.04 -0.31 0.00	31.72 -0.47 0.00	29.83 -0.55 0.00	35.11 0.08 0.00	33.72 0.57 0.00
FREEPORT_EQUS_GT1 23764	31.87 2.10 0.00	32.94 2.07 0.00	30.70 1.95 0.00	26.24 1.82 0.00	28.41 1.89 0.00	35.61 2.29 0.00	28.89 1.92 0.00	28.14 2.02 0.00	31.74 2.34 0.00	35.54 2.78 -0.30	59.54 3.84 -15.90	44.49 4.30 -1.84	46.52 4.05 -7.06	41.26 4.06 0.00	45.40 4.40 0.00	79.98 4.72 -31.73	78.78 4.64 -30.82	57.54 4.21 -10.10	45.98 3.61 0.00	45.04 2.39 -4.30	34.37 2.16 -0.01	32.53 2.15 0.00	37.32 2.28 0.00	35.01 1.87 0.00
FREEPORT___CT2 23818	31.87 2.10 0.00	32.94 2.07 0.00	30.70 1.95 0.00	26.24 1.82 0.00	28.41 1.89 0.00	35.61 2.29 0.00	28.89 1.92 0.00	28.14 2.02 0.00	31.74 2.34 0.00	35.54 2.78 -0.30	59.54 3.84 -15.90	44.49 4.30 -1.84	46.52 4.05 -7.06	41.26 4.06 0.00	45.40 4.40 0.00	79.98 4.72 -31.73	78.78 4.64 -30.82	57.54 4.21 -10.10	45.98 3.61 0.00	45.04 2.39 -4.30	34.37 2.16 -0.01	32.53 2.15 0.00	37.32 2.28 0.00	35.01 1.87 0.00
FRESHKLS_33_KV_LOAD 356253	31.78 1.86 -0.15	32.70 1.83 0.00	30.49 1.73 0.00	26.00 1.58 0.00	28.10 1.58 0.00	35.20 1.89 0.00	28.64 1.66 0.00	27.88 1.76 0.00	31.37 1.98 0.00	35.01 2.25 -0.30	43.01 3.14 -0.07	43.58 3.59 -1.65	70.01 3.53 -31.06	179.76 3.83 -138.74	68.93 4.09 -23.84	73.25 4.16 -25.56	70.47 4.06 -23.09	68.22 3.78 -21.20	65.59 3.23 -19.99	67.05 2.42 -26.28	38.53 2.23 -4.11	32.44 2.05 -0.01	37.16 2.12 0.00	37.47 1.78 -2.55
FULTON COGEN____ 23766	29.39 -0.39 0.00	30.43 -0.44 0.00	28.34 -0.42 0.00	24.00 -0.41 0.00	26.07 -0.46 0.00	32.76 -0.56 0.00	26.50 -0.48 0.00	25.67 -0.45 0.00	28.83 -0.56 0.00	31.94 -0.52 0.00	39.44 -0.39 -0.03	38.16 -0.19 0.00	35.24 -0.17 0.00	37.06 -0.13 0.00	41.09 -0.23 -0.32	43.58 -0.16 -0.21	43.63 -0.11 -0.42	43.16 -0.08 0.00	42.35 -0.01 0.00	38.33 -0.02 0.00	32.17 -0.03 0.00	30.39 0.01 0.00	34.93 -0.10 0.00	32.81 -0.34 0.00
FULTON___LFGE 323630	33.46 3.69 0.00	34.54 3.67 0.00	32.06 3.30 0.00	27.13 2.72 0.00	29.51 2.99 0.00	37.11 3.79 0.00	30.04 3.07 0.00	29.18 3.05 0.00	32.87 3.48 0.00	35.96 3.50 0.00	44.03 4.23 0.00	40.69 2.35 0.00	36.02 0.61 0.00	38.23 1.03 0.00	43.47 2.47 0.00	48.13 4.60 0.00	48.38 5.06 0.00	48.69 5.45 0.00	48.63 6.26 0.00	45.03 6.05 -0.62	37.23 5.03 0.00	34.96 4.58 0.00	40.13 5.09 0.00	37.62 4.48 0.00
G.F.CEMENT___DRP 24184	32.66 2.88 0.00	33.98 3.11 0.00	31.64 2.88 0.00	26.64 2.23 0.00	29.04 2.52 0.00	36.79 3.47 0.00	29.86 2.88 0.00	28.94 2.82 0.00	32.62 3.23 0.00	36.09 3.58 -0.05	43.93 4.12 -0.01	42.14 3.79 0.00	38.40 2.98 0.00	40.41 3.22 0.00	44.85 3.86 0.00	47.70 4.17 0.00	47.90 4.58 0.00	47.99 4.75 0.00	47.05 4.68 0.00	43.54 4.32 -0.87	35.88 3.68 0.00	33.90 3.52 0.00	38.78 3.74 0.00	36.30 3.16 0.00
GARDENVILLE___LBMP 24039	29.85 0.08 0.00	30.78 -0.08 0.00	28.69 -0.07 0.00	24.02 -0.40 0.00	26.21 -0.31 0.00	32.98 -0.33 0.00	26.40 -0.58 0.00	25.50 -0.62 0.00	28.39 -1.01 0.00	31.87 -0.59 0.00	40.03 0.23 0.00	38.79 0.44 0.00	35.49 0.08 0.00	37.34 0.15 0.00	41.11 0.12 0.00	43.89 0.36 0.00	43.96 0.64 0.00	44.04 0.80 0.00	43.74 1.38 0.00	39.61 1.26 0.00	32.88 0.68 0.00	31.15 0.77 0.00	36.07 1.03 0.00	33.56 0.42 0.00
GARDNVLA_35_KV_LD 355827	30.00 0.22 0.00	30.93 0.06 0.00	28.82 0.06 0.00	24.12 -0.30 0.00	26.32 -0.21 0.00	33.12 -0.20 0.00	26.50 -0.47 0.00	25.60 -0.52 0.00	28.50 -0.90 0.00	32.00 -0.46 0.00	40.23 0.43 0.00	38.98 0.63 0.00	35.66 0.24 0.00	37.51 0.32 0.00	41.31 0.31 0.00	44.11 0.58 0.00	44.18 0.86 0.00	44.28 1.04 0.00	44.00 1.63 0.00	39.84 1.49 0.00	33.06 0.87 0.00	31.31 0.93 0.00	36.25 1.21 0.00	33.72 0.58 0.00
GELCKHM___115KV_LOAD 80723	29.54 -0.24 0.00	30.61 -0.25 0.00	28.51 -0.25 0.00	24.14 -0.28 0.00	26.22 -0.30 0.00	32.96 -0.35 0.00	26.66 -0.32 0.00	25.84 -0.28 0.00	29.03 -0.36 0.00	32.19 -0.27 0.00	39.71 -0.10 -0.01	38.47 0.12 0.00	35.53 0.12 0.00	37.38 0.18 0.00	41.31 0.20 -0.11	43.86 0.25 -0.07	43.78 0.30 -0.15	43.53 0.29 0.00	42.73 0.36 0.00	38.64 0.30 0.00	32.41 0.21 0.00	30.57 0.19 0.00	35.16 0.12 0.00	33.01 -0.13 0.00
GENERAL___MILLS 23808	29.93 0.15 0.00	30.86 0.00 0.00	28.76 0.00 0.00	24.07 -0.35 0.00	26.27 -0.25 0.00	33.05 -0.26 0.00	26.45 -0.53 0.00	25.56 -0.57 0.00	28.44 -0.95 0.00	31.94 -0.53 0.00	40.13 0.34 0.00	38.88 0.53 0.00	35.57 0.15 0.00	37.42 0.23 0.00	41.20 0.21 0.00	43.99 0.46 0.00	44.08 0.76 0.00	44.15 0.91 0.00	43.86 1.50 0.00	39.72 1.37 0.00	32.97 0.77 0.00	31.22 0.84 0.00	36.15 1.11 0.00	33.64 0.50 0.00
GE_PLASTICS___DRP 24183	30.38 0.60 0.00	31.58 0.71 0.00	29.43 0.67 0.00	24.99 0.57 0.00	27.13 0.60 0.00	34.13 0.81 0.00	27.67 0.69 0.00	26.80 0.67 0.00	30.05 0.66 0.00	33.24 0.73 -0.05	40.67 0.86 -0.01	39.15 0.80 0.00	36.15 0.74 0.00	38.12 0.93 0.00	42.09 1.09 0.00	44.60 1.07 0.00	44.17 0.84 0.00	44.11 0.87 0.00	43.14 0.77 0.00	39.75 0.55 -0.85	32.72 0.52 0.00	30.89 0.51 0.00	35.39 0.35 0.00	33.37 0.23 0.00
GILBOA___1 23756	30.52 0.74 0.00	31.73 0.87 0.00	29.61 0.85 0.00	25.17 0.76 0.00	27.32 0.80 0.00	34.43 1.12 0.00	27.88 0.91 0.00	26.88 0.76 0.00	30.11 0.71 0.00	33.30 0.83 0.00	40.95 1.15 0.00	39.70 1.35 0.00	36.68 1.27 0.00	38.59 1.40 0.00	42.57 1.57 0.00	45.06 1.53 0.00	44.82 1.49 0.00	44.59 1.35 0.00	43.61 1.24 0.00	39.76 0.99 -0.42	33.11 0.91 0.00	31.27 0.89 0.00	35.87 0.83 0.00	33.78 0.64 0.00
GILBOA___2 23757	30.52 0.74 0.00	31.73 0.87 0.00	29.61 0.85 0.00	25.17 0.76 0.00	27.32 0.80 0.00	34.43 1.12 0.00	27.88 0.91 0.00	26.88 0.76 0.00	30.11 0.71 0.00	33.30 0.83 0.00	40.95 1.15 0.00	39.70 1.35 0.00	36.68 1.27 0.00	38.59 1.40 0.00	42.57 1.57 0.00	45.06 1.53 0.00	44.82 1.49 0.00	44.59 1.35 0.00	43.61 1.24 0.00	39.76 0.99 -0.42	33.11 0.91 0.00	31.27 0.89 0.00	35.87 0.83 0.00	33.78 0.64 0.00



GILBOA___3 23758	30.52 0.74 0.00	31.73 0.87 0.00	29.61 0.85 0.00	25.17 0.76 0.00	27.32 0.80 0.00	34.43 1.12 0.00	27.88 0.91 0.00	26.88 0.76 0.00	30.11 0.71 0.00	33.30 0.83 0.00	40.95 1.15 0.00	39.70 1.35 0.00	36.68 1.27 0.00	38.59 1.40 0.00	42.57 1.57 0.00	45.06 1.53 0.00	44.82 1.49 0.00	44.59 1.35 0.00	43.61 1.24 0.00	39.76 0.99 -0.42	33.11 0.91 0.00	31.27 0.89 0.00	35.87 0.83 0.00	33.78 0.64 0.00
GILBOA___4 23759	30.52 0.74 0.00	31.73 0.87 0.00	29.61 0.85 0.00	25.17 0.76 0.00	27.32 0.80 0.00	34.43 1.12 0.00	27.88 0.91 0.00	26.88 0.76 0.00	30.11 0.71 0.00	33.30 0.83 0.00	40.95 1.15 0.00	39.70 1.35 0.00	36.68 1.27 0.00	38.59 1.40 0.00	42.57 1.57 0.00	45.06 1.53 0.00	44.82 1.49 0.00	44.59 1.35 0.00	43.61 1.24 0.00	39.76 0.99 -0.42	33.11 0.91 0.00	31.27 0.89 0.00	35.87 0.83 0.00	33.78 0.64 0.00
GILBOA___ 23599	30.52 0.74 0.00	31.73 0.87 0.00	29.61 0.85 0.00	25.17 0.76 0.00	27.32 0.80 0.00	34.43 1.12 0.00	27.88 0.91 0.00	26.88 0.76 0.00	30.11 0.71 0.00	33.30 0.83 0.00	40.95 1.15 0.00	39.70 1.35 0.00	36.68 1.27 0.00	38.59 1.40 0.00	42.58 1.58 0.00	45.06 1.53 0.00	44.82 1.49 0.00	44.59 1.35 0.00	43.61 1.24 0.00	39.76 0.99 -0.42	33.11 0.92 0.00	31.27 0.89 0.00	35.87 0.83 0.00	33.78 0.64 0.00
GINNA___ 23603	28.80 -0.98 0.00	29.72 -1.15 0.00	27.66 -1.10 0.00	23.28 -1.14 0.00	25.34 -1.18 0.00	31.88 -1.44 0.00	25.66 -1.31 0.00	24.84 -1.29 0.00	27.81 -1.58 0.00	31.05 -1.41 0.00	38.66 -1.14 0.00	37.57 -0.78 0.00	34.57 -0.85 0.00	36.29 -0.91 0.00	39.94 -1.06 0.00	42.56 -0.97 0.00	42.64 -0.69 0.00	42.65 -0.59 0.00	42.04 -0.33 0.00	38.07 -0.28 0.00	31.77 -0.43 0.00	29.98 -0.39 0.00	34.52 -0.52 0.00	32.27 -0.87 0.00
GLEN PARK___ 23778	30.99 1.21 0.00	31.92 1.05 0.00	29.68 0.92 0.00	25.10 0.69 0.00	27.15 0.63 0.00	33.93 0.61 0.00	27.36 0.38 0.00	26.44 0.32 0.00	29.98 0.58 0.00	33.24 0.78 0.00	40.72 0.92 -0.01	39.41 1.06 0.00	36.51 1.09 0.00	38.54 1.35 0.00	42.43 1.28 -0.15	45.35 1.72 -0.10	45.35 1.84 -0.19	44.85 1.61 0.00	44.15 1.79 0.00	40.48 2.13 0.00	34.03 1.83 0.00	31.92 1.54 0.00	36.87 1.83 0.00	34.20 1.06 0.00
GLENDALE_27_KV_LOAD 356172	31.79 2.01 0.00	32.80 1.93 0.00	30.56 1.80 0.00	26.09 1.68 0.00	28.20 1.67 0.00	35.28 1.96 0.00	28.70 1.72 0.00	27.98 1.86 0.00	31.48 2.09 0.00	35.21 2.46 -0.30	43.30 3.43 -0.07	42.22 3.87 0.00	39.14 3.73 0.00	41.11 3.91 0.00	42.26 4.17 2.90	37.17 4.26 10.61	37.74 4.14 9.72	37.94 3.79 9.09	37.16 3.34 8.55	35.59 2.52 5.28	34.32 2.29 0.17	32.58 2.20 0.00	37.33 2.29 0.00	35.10 1.96 0.00
GLENWOOD_IC_1_G5 23712	31.85 2.07 0.00	32.93 2.07 0.00	30.69 1.94 0.00	26.21 1.80 0.00	28.39 1.86 0.00	35.58 2.26 0.00	28.88 1.91 0.00	28.14 2.02 0.00	31.73 2.33 0.00	35.51 2.75 -0.30	59.50 3.80 -15.90	44.33 4.15 -1.84	46.35 3.88 -7.06	41.28 4.08 0.00	45.44 4.44 0.00	79.96 4.70 -31.72	91.87 4.67 -43.88	62.62 4.21 -15.17	45.88 3.51 0.00	44.97 2.31 -4.30	34.20 1.99 -0.01	32.32 1.94 0.00	37.31 2.27 0.00	35.01 1.87 0.00
GLENWOOD_IC_2_G1 23688	31.75 1.98 0.00	32.83 1.97 0.00	30.61 1.85 0.00	26.14 1.73 0.00	28.31 1.79 0.00	35.48 2.17 0.00	28.80 1.82 0.00	28.06 1.93 0.00	31.62 2.22 0.00	35.39 2.63 -0.30	59.32 3.62 -15.90	44.26 4.07 -1.84	46.36 3.89 -7.06	41.28 4.09 0.00	45.43 4.43 0.00	79.95 4.69 -31.73	111.18 4.62 -63.24	70.15 4.21 -22.70	45.96 3.59 0.00	45.07 2.42 -4.30	34.28 2.07 -0.01	32.37 1.99 0.00	37.18 2.15 0.00	34.92 1.78 0.00
GLENWOOD_IC_3_G1 23689	31.75 1.98 0.00	32.83 1.97 0.00	30.61 1.85 0.00	26.14 1.73 0.00	28.31 1.79 0.00	35.48 2.17 0.00	28.80 1.82 0.00	28.06 1.93 0.00	31.62 2.22 0.00	35.39 2.63 -0.30	59.32 3.62 -15.90	44.26 4.07 -1.84	46.36 3.89 -7.06	41.28 4.09 0.00	45.43 4.43 0.00	79.95 4.69 -31.73	111.18 4.62 -63.24	70.15 4.21 -22.70	45.96 3.59 0.00	45.07 2.42 -4.30	34.28 2.07 -0.01	32.37 1.99 0.00	37.18 2.15 0.00	34.92 1.78 0.00
GLENWOOD___4 23550	31.85 2.07 0.00	32.93 2.07 0.00	30.69 1.94 0.00	26.21 1.80 0.00	28.39 1.86 0.00	35.58 2.26 0.00	28.88 1.91 0.00	28.14 2.02 0.00	31.73 2.33 0.00	35.51 2.75 -0.30	59.51 3.80 -15.90	44.39 4.20 -1.84	46.45 3.98 -7.06	41.37 4.18 0.00	45.54 4.54 0.00	80.07 4.81 -31.72	91.99 4.79 -43.88	62.73 4.32 -15.17	46.00 3.64 0.00	45.07 2.42 -4.30	34.29 2.08 -0.01	32.39 2.01 0.00	37.31 2.27 0.00	35.01 1.87 0.00
GLENWOOD___5 23614	31.85 2.07 0.00	32.93 2.07 0.00	30.69 1.94 0.00	26.21 1.80 0.00	28.39 1.86 0.00	35.58 2.26 0.00	28.88 1.91 0.00	28.14 2.02 0.00	31.73 2.33 0.00	35.51 2.75 -0.30	59.51 3.80 -15.90	44.39 4.20 -1.84	46.45 3.98 -7.06	41.37 4.18 0.00	45.54 4.54 0.00	80.07 4.81 -31.72	91.99 4.79 -43.88	62.73 4.32 -15.17	46.00 3.64 0.00	45.07 2.42 -4.30	34.29 2.08 -0.01	32.39 2.01 0.00	37.31 2.27 0.00	35.01 1.87 0.00
GLOBAL GREEN_PORT_GT1 23814	31.40 1.62 0.00	32.35 1.49 0.00	30.34 1.58 0.00	26.35 1.94 0.00	28.48 1.96 0.00	35.69 2.38 0.00	29.04 2.06 0.00	28.73 2.61 0.00	32.42 3.02 0.00	36.03 3.27 -0.30	60.45 4.75 -15.90	45.10 4.91 -1.84	46.98 4.51 -7.06	41.66 4.46 0.00	45.84 4.85 0.00	125.12 5.32 -76.26	255.24 5.46 -206.46	237.04 4.90 -188.89	148.75 4.16 -102.22	45.30 2.64 -4.30	44.33 3.08 -9.06	32.94 2.56 0.00	37.59 2.55 0.00	35.26 2.12 0.00
GLOBE___DSASP 323697	29.05 -0.72 0.00	29.98 -0.89 0.00	27.96 -0.79 0.00	23.36 -1.05 0.00	25.52 -1.00 0.00	32.11 -1.21 0.00	25.67 -1.31 0.00	24.68 -1.44 0.00	27.39 -2.01 0.00	30.72 -1.74 0.00	38.72 -1.08 0.00	37.50 -0.85 0.00	34.41 -1.01 0.00	36.13 -1.06 0.00	39.82 -1.18 0.00	42.43 -1.10 0.00	42.47 -0.86 0.00	42.62 -0.62 0.00	42.31 -0.06 0.00	38.33 -0.02 0.00	31.77 -0.43 0.00	30.14 -0.24 0.00	34.94 -0.09 0.00	32.60 -0.54 0.00
GOETHSLN___LBMP 323567	31.51 1.73 0.00	32.52 1.66 0.00	30.30 1.55 0.00	25.87 1.45 0.00	27.97 1.45 0.00	35.02 1.70 0.00	28.46 1.48 0.00	27.74 1.62 0.00	31.21 1.81 0.00	34.84 2.09 -0.30	42.77 2.90 -0.07	41.72 3.38 0.00	38.64 3.23 0.00	40.61 3.42 0.00	44.73 3.73 0.00	47.31 3.78 0.00	47.27 3.72 -0.22	46.69 3.45 0.00	45.46 3.09 0.00	44.89 2.25 -4.29	34.20 1.99 -0.01	32.25 1.87 0.00	36.95 1.91 0.00	34.76 1.62 0.00
GOLAH___69_KV_TB 1_2 80279	30.23 0.46 0.00	31.18 0.31 0.00	29.03 0.27 0.00	24.38 -0.03 0.00	26.57 0.05 0.00	33.42 0.11 0.00	26.86 -0.12 0.00	25.96 -0.17 0.00	29.03 -0.37 0.00	32.41 -0.05 0.00	40.55 0.76 0.00	39.37 1.03 0.00	36.16 0.74 0.00	37.96 0.77 0.00	41.77 0.77 0.00	44.51 0.98 0.00	44.64 1.32 0.00	44.69 1.45 0.00	44.17 1.80 0.00	39.99 1.64 0.00	33.34 1.14 0.00	31.53 1.16 0.00	36.36 1.33 0.00	33.95 0.81 0.00



GOODYEAR_LAKE_HYD 323669	30.99 1.22 0.00	32.07 1.20 0.00	29.86 1.10 0.00	25.34 0.93 0.00	27.54 1.01 0.00	34.62 1.30 0.00	28.02 1.04 0.00	27.14 1.02 0.00	30.53 1.14 0.00	33.82 1.36 0.00	41.71 1.91 0.00	40.40 2.05 0.00	37.35 1.94 0.00	39.35 2.15 0.00	43.39 2.40 0.00	46.10 2.57 0.00	45.98 2.66 0.00	45.81 2.57 0.00	44.91 2.54 0.00	40.52 2.18 0.00	34.01 1.81 0.00	32.03 1.66 0.00	36.83 1.80 0.00	34.64 1.50 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	29.99 0.21 0.00	31.03 0.16 0.00	28.89 0.13 0.00	24.49 0.07 0.00	26.62 0.10 0.00	33.48 0.17 0.00	27.03 0.06 0.00	26.27 0.15 0.00	29.46 0.07 0.00	32.74 0.28 0.00	40.46 0.65 -0.01	39.27 0.92 0.00	36.23 0.82 0.00	38.23 1.03 0.00	42.16 1.10 -0.07	44.75 1.18 -0.04	44.63 1.22 -0.09	44.40 1.16 0.00	43.63 1.26 0.00	39.41 1.06 0.00	32.99 0.79 0.00	31.14 0.76 0.00	35.85 0.81 0.00	33.55 0.41 0.00
GOUDEY___7 23579	30.02 0.24 0.00	31.06 0.19 0.00	28.92 0.16 0.00	24.51 0.09 0.00	26.64 0.12 0.00	33.51 0.19 0.00	27.06 0.08 0.00	26.29 0.17 0.00	29.50 0.10 0.00	32.77 0.31 0.00	40.50 0.70 -0.01	39.32 0.97 0.00	36.28 0.87 0.00	38.28 1.08 0.00	42.22 1.16 -0.07	44.81 1.23 -0.04	44.69 1.28 -0.09	44.45 1.21 0.00	43.69 1.32 0.00	39.45 1.11 0.00	33.03 0.84 0.00	31.18 0.80 0.00	35.89 0.85 0.00	33.58 0.44 0.00
GOUDEY___8 23580	29.99 0.21 0.00	31.03 0.16 0.00	28.89 0.13 0.00	24.49 0.07 0.00	26.62 0.10 0.00	33.48 0.17 0.00	27.03 0.06 0.00	26.27 0.15 0.00	29.46 0.07 0.00	32.74 0.28 0.00	40.46 0.65 -0.01	39.27 0.92 0.00	36.23 0.82 0.00	38.23 1.03 0.00	42.16 1.10 -0.07	44.75 1.18 -0.04	44.63 1.22 -0.09	44.40 1.16 0.00	43.63 1.26 0.00	39.41 1.06 0.00	32.99 0.79 0.00	31.14 0.76 0.00	35.85 0.81 0.00	33.55 0.41 0.00
GOWANUS_GT1_1 24077	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT1_2 24078	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT1_3 24079	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT1_4 24080	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT1_5 24084	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT1_6 24111	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT1_7 24112	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT1_8 24113	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT2_1 24114	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT2_2 24115	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT2_3 24116	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55



GOWANUS_GT2_4 24117	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT2_5 24118	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT2_6 24119	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT2_7 24120	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT2_8 24121	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT3_1 24122	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT3_2 24123	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT3_3 24124	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT3_4 24125	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT3_5 24126	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT3_6 24127	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT3_7 24128	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT3_8 24129	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT4_1 24130	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT4_2 24131	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55



GOWANUS_GT4_3 24132	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT4_4 24133	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT4_5 24134	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT4_6 24135	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT4_7 24136	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GOWANUS_GT4_8 24137	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.55 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GREENBSH_115KV_TB3 55895	30.34 0.56 0.00	31.51 0.64 0.00	29.36 0.60 0.00	24.92 0.50 0.00	27.06 0.53 0.00	34.04 0.72 0.00	27.61 0.63 0.00	26.76 0.63 0.00	29.98 0.58 0.00	33.16 0.65 -0.05	40.59 0.78 -0.01	39.17 0.83 0.00	36.17 0.76 0.00	38.08 0.88 0.00	42.07 1.08 0.00	44.56 1.03 0.00	44.28 0.95 0.00	44.25 1.01 0.00	43.27 0.90 0.00	39.93 0.67 -0.91	32.82 0.62 0.00	31.00 0.63 0.00	35.49 0.45 0.00	33.47 0.33 0.00
GREENIDGE_115KV_TB5 80291	30.34 0.56 0.00	31.31 0.45 0.00	29.15 0.39 0.00	24.57 0.16 0.00	26.74 0.22 0.00	33.62 0.30 0.00	27.12 0.14 0.00	26.33 0.21 0.00	29.46 0.07 0.00	32.78 0.32 0.00	40.51 0.71 0.00	39.34 0.99 0.00	36.38 0.97 0.00	38.05 0.85 0.00	42.21 1.16 -0.05	44.88 1.32 -0.04	44.71 1.32 -0.07	44.66 1.42 0.00	44.10 1.73 0.00	40.02 1.66 0.00	33.69 1.49 0.00	31.74 1.36 0.00	36.40 1.36 0.00	34.10 0.95 0.00
GREENIDGE___3 23582	30.34 0.56 0.00	31.31 0.45 0.00	29.15 0.39 0.00	24.57 0.16 0.00	26.74 0.22 0.00	33.62 0.30 0.00	27.12 0.14 0.00	26.33 0.21 0.00	29.46 0.07 0.00	32.78 0.32 0.00	40.51 0.71 0.00	39.34 0.99 0.00	36.38 0.97 0.00	38.05 0.85 0.00	42.21 1.16 -0.05	44.88 1.32 -0.04	44.71 1.32 -0.07	44.66 1.42 0.00	44.10 1.73 0.00	40.02 1.66 0.00	33.69 1.49 0.00	31.74 1.36 0.00	36.40 1.36 0.00	34.10 0.95 0.00
GREENIDGE___4 23583	30.34 0.56 0.00	31.31 0.45 0.00	29.15 0.39 0.00	24.58 0.16 0.00	26.74 0.22 0.00	33.61 0.30 0.00	27.12 0.14 0.00	26.33 0.21 0.00	29.46 0.07 0.00	32.80 0.34 0.00	40.49 0.69 0.00	39.36 1.01 0.00	36.39 0.97 0.00	38.05 0.85 0.00	42.21 1.17 -0.05	44.88 1.32 -0.04	44.72 1.32 -0.07	44.66 1.42 0.00	44.09 1.72 0.00	40.02 1.66 0.00	33.70 1.50 0.00	31.74 1.36 0.00	36.40 1.36 0.00	34.10 0.95 0.00
GREENLWN_69_KV_BK 3 55738	31.32 1.54 0.00	32.45 1.59 0.00	30.32 1.56 0.00	25.95 1.53 0.00	28.12 1.60 0.00	35.27 1.95 0.00	28.59 1.61 0.00	27.81 1.68 0.00	31.29 1.90 0.00	34.96 2.20 -0.30	58.70 3.00 -15.90	43.72 3.53 -1.84	45.92 3.45 -7.06	40.84 3.65 0.00	44.95 3.96 0.00	31.19 4.24 16.58	-56.16 4.24 103.73	-55.09 3.79 102.12	-35.24 3.07 80.68	44.50 1.85 -4.30	31.81 1.58 1.97	31.87 1.50 0.00	36.53 1.49 0.00	34.27 1.13 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
GRISSOM___SOLAR 323813	33.46 3.69 0.00	34.54 3.67 0.00	32.06 3.30 0.00	27.13 2.72 0.00	29.51 2.99 0.00	37.11 3.79 0.00	30.04 3.07 0.00	29.18 3.05 0.00	32.87 3.48 0.00	35.96 3.50 0.00	44.03 4.23 0.00	40.69 2.35 0.00	36.02 0.61 0.00	38.23 1.03 0.00	43.47 2.47 0.00	48.13 4.60 0.00	48.38 5.06 0.00	48.69 5.45 0.00	48.63 6.26 0.00	45.03 6.05 -0.62	37.23 5.03 0.00	34.96 4.58 0.00	40.13 5.09 0.00	37.62 4.48 0.00
GROVEVILLE___HYD 323602	31.59 1.81 0.00	32.63 1.77 0.00	30.40 1.65 0.00	25.89 1.48 0.00	28.05 1.52 0.00	35.18 1.86 0.00	28.58 1.60 0.00	27.83 1.70 0.00	31.30 1.90 0.00	34.67 2.21 0.00	42.84 3.04 0.00	41.83 3.48 0.00	38.77 3.36 0.00	40.83 3.64 0.00	45.09 4.10 0.00	47.79 4.26 0.00	47.51 4.19 0.00	47.16 3.92 0.00	45.91 3.54 0.00	42.08 2.72 -1.00	34.52 2.32 0.00	32.56 2.19 0.00	37.28 2.24 0.00	35.01 1.87 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	29.73 -0.05 0.00	30.83 -0.04 0.00	28.71 -0.05 0.00	24.30 -0.11 0.00	26.41 -0.11 0.00	33.20 -0.12 0.00	26.85 -0.13 0.00	26.04 -0.09 0.00	29.25 -0.14 0.00	32.43 -0.03 0.00	40.03 0.22 -0.01	38.78 0.43 0.00	35.83 0.42 0.00	37.68 0.49 0.00	41.72 0.55 -0.18	44.28 0.63 -0.11	44.22 0.67 -0.23	43.88 0.64 0.00	43.08 0.71 0.00	38.96 0.61 0.00	32.70 0.50 0.00	30.83 0.46 0.00	35.45 0.41 0.00	33.27 0.13 0.00



HAMLTNNY_34_KV_TB 80303	29.85 0.07 0.00	30.90 0.03 0.00	28.77 0.02 0.00	24.34 -0.08 0.00	26.47 -0.05 0.00	33.28 -0.04 0.00	26.89 -0.09 0.00	26.08 -0.05 0.00	29.30 -0.09 0.00	32.49 0.03 0.00	40.14 0.33 -0.01	38.90 0.55 0.00	35.93 0.52 0.00	37.79 0.60 0.00	41.84 0.67 -0.18	44.41 0.77 -0.12	44.38 0.82 -0.24	44.01 0.77 0.00	43.21 0.84 0.00	39.12 0.77 0.00	32.81 0.61 0.00	30.93 0.56 0.00	35.57 0.53 0.00	33.33 0.19 0.00
HAMPSHIRE___PAPER_HYD 323593	30.13 0.36 0.00	30.96 0.10 0.00	28.79 0.03 0.00	24.39 -0.02 0.00	26.50 -0.02 0.00	33.14 -0.18 0.00	26.75 -0.22 0.00	25.84 -0.28 0.00	29.30 -0.09 0.00	32.41 -0.05 0.00	39.17 -0.63 0.00	37.74 -0.60 0.00	35.03 -0.39 0.00	36.84 -0.35 0.00	40.62 -0.44 -0.06	43.30 -0.27 -0.04	43.30 -0.10 -0.08	43.08 -0.16 0.00	42.31 -0.06 0.00	38.66 0.31 0.00	32.46 0.26 0.00	30.50 0.13 0.00	35.58 0.54 0.00	33.26 0.12 0.00
HARDSCRABBLE_WT_PWR 323673	30.36 0.58 0.00	31.57 0.71 0.00	29.29 0.53 0.00	24.72 0.30 0.00	27.08 0.55 0.00	34.12 0.80 0.00	27.68 0.71 0.00	26.86 0.73 0.00	30.06 0.67 0.00	33.24 0.78 0.00	40.75 0.96 0.00	39.02 0.67 0.00	35.89 0.48 0.00	37.80 0.60 0.00	41.95 0.96 0.00	44.66 1.13 0.00	44.54 1.22 0.00	44.50 1.26 0.00	43.80 1.43 0.00	39.58 1.23 0.00	33.36 1.16 0.00	31.47 1.10 0.00	35.94 0.90 0.00	33.74 0.60 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	31.33 1.55 0.00	32.37 1.51 0.00	30.16 1.40 0.00	25.72 1.31 0.00	27.86 1.33 0.00	34.88 1.57 0.00	28.35 1.37 0.00	27.62 1.50 0.00	31.05 1.66 0.00	34.03 1.90 0.33	42.39 2.67 0.08	41.49 3.15 0.00	38.47 3.05 0.00	40.53 3.33 0.00	44.75 3.75 0.00	47.41 3.88 0.00	46.81 3.76 0.27	46.73 3.49 0.00	45.48 3.11 0.00	36.31 2.32 4.36	34.18 2.00 0.01	32.26 1.88 0.00	36.95 1.91 0.00	34.75 1.61 0.00
HARSNRAD_115KV_TB1 81005	29.36 -0.42 0.00	30.27 -0.60 0.00	28.22 -0.54 0.00	23.58 -0.84 0.00	25.76 -0.77 0.00	32.41 -0.91 0.00	25.91 -1.07 0.00	24.96 -1.17 0.00	27.74 -1.66 0.00	31.12 -1.34 0.00	39.21 -0.59 0.00	37.95 -0.39 0.00	34.70 -0.71 0.00	36.45 -0.74 0.00	40.14 -0.86 0.00	42.85 -0.68 0.00	42.98 -0.34 0.00	43.10 -0.14 0.00	42.81 0.44 0.00	38.81 0.46 0.00	32.30 0.10 0.00	30.65 0.27 0.00	35.68 0.64 0.00	33.31 0.16 0.00
HARZA MOOSE___RIVER 24016	30.67 0.89 0.00	31.69 0.82 0.00	29.49 0.73 0.00	24.98 0.57 0.00	27.10 0.58 0.00	33.92 0.61 0.00	27.40 0.42 0.00	26.51 0.38 0.00	29.95 0.55 0.00	33.15 0.68 0.00	40.64 0.84 0.00	39.29 0.94 0.00	36.35 0.93 0.00	38.25 1.05 0.00	42.21 1.16 -0.05	44.92 1.36 -0.03	44.92 1.53 -0.07	44.70 1.46 0.00	43.94 1.57 0.00	39.93 1.58 0.00	33.53 1.34 0.00	31.54 1.16 0.00	36.36 1.32 0.00	34.02 0.88 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	29.56 -0.21 0.00	30.60 -0.26 0.00	28.50 -0.26 0.00	24.14 -0.28 0.00	26.22 -0.30 0.00	32.96 -0.35 0.00	26.65 -0.32 0.00	25.84 -0.29 0.00	29.02 -0.38 0.00	32.19 -0.27 0.00	39.72 -0.08 -0.01	38.50 0.15 0.00	35.56 0.14 0.00	37.42 0.22 0.00	41.31 0.22 -0.10	43.88 0.29 -0.06	43.80 0.35 -0.12	43.58 0.35 0.00	42.78 0.41 0.00	38.68 0.33 0.00	32.43 0.24 0.00	30.61 0.23 0.00	35.18 0.14 0.00	33.04 -0.11 0.00
HELLGATE_13_KV_LD 55870	31.59 1.82 0.00	32.59 1.73 0.00	30.39 1.63 0.00	25.94 1.53 0.00	28.05 1.52 0.00	35.08 1.77 0.00	28.55 1.58 0.00	27.83 1.70 0.00	31.30 1.90 0.00	34.98 2.23 -0.30	42.99 3.12 -0.07	41.93 3.59 0.00	38.88 3.46 0.00	40.81 3.61 0.00	42.96 3.85 1.89	40.53 3.90 6.91	40.87 3.80 6.25	40.77 3.44 5.91	39.81 3.00 5.56	38.64 2.22 1.93	34.14 2.05 0.10	32.34 1.97 0.00	37.09 2.05 0.00	34.89 1.75 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	31.59 1.82 0.00	32.59 1.73 0.00	30.39 1.63 0.00	25.94 1.53 0.00	28.05 1.52 0.00	35.08 1.77 0.00	28.55 1.58 0.00	27.83 1.70 0.00	31.30 1.90 0.00	34.98 2.23 -0.30	42.99 3.12 -0.07	41.93 3.59 0.00	38.88 3.46 0.00	40.81 3.61 0.00	42.96 3.85 1.89	40.53 3.90 6.91	40.87 3.80 6.25	40.77 3.44 5.91	39.81 3.00 5.56	38.64 2.22 1.93	34.14 2.05 0.10	32.34 1.97 0.00	37.09 2.05 0.00	34.89 1.75 0.00
HEMPSTEAD____ 23647	31.64 1.86 0.00	32.72 1.85 0.00	30.50 1.74 0.00	26.06 1.65 0.00	28.22 1.70 0.00	35.38 2.06 0.00	28.71 1.73 0.00	27.97 1.85 0.00	31.54 2.14 0.00	35.29 2.53 -0.30	59.20 3.51 -15.90	44.14 3.95 -1.84	46.25 3.77 -7.06	41.11 3.91 0.00	45.22 4.22 0.00	79.77 4.50 -31.73	82.96 4.44 -35.19	59.05 4.01 -11.79	45.75 3.38 0.00	44.85 2.20 -4.30	34.12 1.91 -0.01	32.24 1.86 0.00	37.03 1.99 0.00	34.76 1.62 0.00
HEWLETT_69_KV_BK3 55828	31.98 2.21 0.00	33.10 2.24 0.00	30.85 2.09 0.00	26.37 1.96 0.00	28.55 2.02 0.00	35.77 2.46 0.00	29.02 2.04 0.00	28.27 2.14 0.00	31.86 2.46 0.00	35.68 2.91 -0.30	59.68 3.98 -15.90	44.50 4.31 -1.84	46.62 4.16 -7.06	41.56 4.36 0.00	45.70 4.70 0.00	80.21 4.96 -31.72	77.68 4.74 -29.62	57.36 4.50 -9.63	46.27 3.90 0.00	45.34 2.69 -4.30	34.49 2.29 -0.01	32.57 2.20 0.00	37.34 2.31 0.00	35.18 2.04 0.00
HICKLING___1 23621	30.00 0.22 0.00	31.00 0.13 0.00	28.86 0.10 0.00	24.41 0.00 0.00	26.56 0.03 0.00	33.42 0.10 0.00	26.90 -0.08 0.00	26.22 0.09 0.00	29.34 -0.05 0.00	32.74 0.28 0.00	40.68 0.88 0.00	39.54 1.20 0.00	36.38 0.97 0.00	38.44 1.25 0.00	42.40 1.35 -0.05	45.04 1.47 -0.04	44.80 1.41 -0.07	44.67 1.43 0.00	44.07 1.71 0.00	39.85 1.50 0.00	33.28 1.09 0.00	31.43 1.05 0.00	36.24 1.20 0.00	33.74 0.60 0.00
HICKLING___2 23622	30.00 0.22 0.00	31.00 0.13 0.00	28.86 0.10 0.00	24.41 0.00 0.00	26.56 0.03 0.00	33.42 0.10 0.00	26.90 -0.08 0.00	26.22 0.09 0.00	29.34 -0.05 0.00	32.74 0.28 0.00	40.68 0.88 0.00	39.54 1.20 0.00	36.38 0.97 0.00	38.44 1.25 0.00	42.40 1.35 -0.05	45.04 1.47 -0.04	44.80 1.41 -0.07	44.67 1.43 0.00	44.07 1.71 0.00	39.85 1.50 0.00	33.28 1.09 0.00	31.43 1.05 0.00	36.24 1.20 0.00	33.74 0.60 0.00
HIGH FALLS___HY 23754	31.38 1.60 0.00	32.36 1.49 0.00	30.15 1.39 0.00	25.72 1.31 0.00	27.83 1.31 0.00	34.86 1.54 0.00	28.33 1.36 0.00	27.60 1.47 0.00	31.05 1.65 0.00	34.34 1.88 0.00	42.64 2.84 0.00	41.75 3.41 0.00	38.74 3.33 0.00	40.85 3.65 0.00	45.13 4.14 0.00	47.90 4.36 0.00	47.64 4.32 0.00	47.24 4.00 0.00	45.92 3.55 0.00	40.58 2.66 0.43	34.45 2.25 0.00	32.48 2.10 0.00	37.23 2.19 0.00	34.94 1.80 0.00
HIGH_RIVER___SOLAR 323847	31.16 1.38 0.00	32.28 1.42 0.00	30.05 1.30 0.00	25.48 1.07 0.00	27.69 1.16 0.00	34.84 1.52 0.00	28.23 1.25 0.00	27.34 1.22 0.00	30.72 1.32 0.00	33.91 1.45 0.00	41.51 1.72 0.00	39.50 1.15 0.00	36.18 0.77 0.00	38.05 0.85 0.00	42.13 1.14 0.00	45.21 1.68 0.00	45.13 1.80 0.00	45.33 2.09 0.00	44.62 2.26 0.00	41.22 2.13 -0.73	34.03 1.84 0.00	32.10 1.72 0.00	36.87 1.84 0.00	34.70 1.56 0.00



HILLBURN___GT 23639	31.21 1.43 0.00	32.24 1.37 0.00	30.04 1.28 0.00	25.65 1.24 0.00	27.78 1.26 0.00	34.76 1.44 0.00	28.25 1.27 0.00	27.54 1.42 0.00	30.94 1.55 0.00	33.84 1.77 0.38	42.20 2.50 0.09	41.33 2.99 0.00	38.33 2.92 0.00	40.36 3.17 0.00	44.51 3.51 0.00	47.15 3.62 0.00	46.54 3.53 0.31	46.52 3.28 0.00	45.28 2.91 0.00	35.62 2.08 4.81	33.99 1.81 0.02	32.08 1.70 0.00	36.76 1.72 0.00	34.59 1.45 0.00
HILLSIDE_115KV_TB1 80332	29.45 -0.32 0.00	30.46 -0.41 0.00	28.35 -0.41 0.00	24.01 -0.40 0.00	26.13 -0.40 0.00	32.88 -0.44 0.00	26.47 -0.50 0.00	25.83 -0.30 0.00	28.92 -0.47 0.00	32.25 -0.21 0.00	40.01 0.21 0.00	38.91 0.56 0.00	35.81 0.40 0.00	37.88 0.68 0.00	41.76 0.71 -0.06	44.34 0.77 -0.04	44.12 0.72 -0.07	43.89 0.65 0.00	43.30 0.93 0.00	39.12 0.77 0.00	32.67 0.48 0.00	30.85 0.48 0.00	35.58 0.54 0.00	33.12 -0.03 0.00
HISHELDN_WT_PWR 323625	29.82 0.04 0.00	30.77 -0.09 0.00	28.67 -0.09 0.00	24.05 -0.37 0.00	26.23 -0.30 0.00	33.01 -0.31 0.00	26.44 -0.54 0.00	25.58 -0.55 0.00	28.49 -0.91 0.00	31.94 -0.52 0.00	40.00 0.20 0.00	38.81 0.46 0.00	35.54 0.13 0.00	37.40 0.21 0.00	41.19 0.19 0.00	43.90 0.37 0.00	43.95 0.62 0.00	44.00 0.76 0.00	43.61 1.24 0.00	39.51 1.17 0.00	32.88 0.68 0.00	31.10 0.72 0.00	36.02 0.98 0.00	33.54 0.40 0.00
HOLTSVILLE_IC_1 23690	31.53 1.75 0.00	32.58 1.71 0.00	30.40 1.65 0.00	26.03 1.62 0.00	28.18 1.66 0.00	35.33 2.01 0.00	28.66 1.69 0.00	27.94 1.82 0.00	31.47 2.08 0.00	35.29 2.53 -0.30	59.17 3.47 -15.90	44.07 3.88 -1.84	46.18 3.70 -7.06	41.07 3.87 0.00	45.13 4.13 0.00	117.35 4.50 -69.31	237.13 4.47 -189.34	221.60 4.04 -174.32	137.00 3.41 -91.22	44.81 2.16 -4.30	42.98 1.92 -8.85	32.15 1.77 0.00	36.84 1.81 0.00	34.49 1.34 0.00
HOLTSVILLE_IC_10 23699	31.79 2.01 0.00	32.82 1.96 0.00	30.63 1.87 0.00	26.19 1.78 0.00	28.36 1.84 0.00	35.55 2.24 0.00	28.85 1.87 0.00	28.13 2.01 0.00	31.71 2.31 0.00	35.59 2.83 -0.30	59.59 3.89 -15.90	44.51 4.32 -1.85	46.58 4.11 -7.06	41.50 4.31 0.00	45.62 4.62 0.00	145.82 5.05 -97.24	305.22 4.93 -256.97	279.60 4.43 -231.93	181.05 3.79 -134.89	45.16 2.50 -4.30	43.99 2.18 -9.61	32.39 2.02 0.00	37.16 2.12 0.00	34.75 1.61 0.00
HOLTSVILLE_IC_2 23691	31.53 1.75 0.00	32.58 1.71 0.00	30.40 1.65 0.00	26.03 1.62 0.00	28.18 1.66 0.00	35.33 2.01 0.00	28.66 1.69 0.00	27.94 1.82 0.00	31.47 2.08 0.00	35.29 2.53 -0.30	59.17 3.47 -15.90	44.07 3.88 -1.84	46.18 3.70 -7.06	41.07 3.87 0.00	45.13 4.13 0.00	117.35 4.50 -69.31	237.13 4.47 -189.34	221.60 4.04 -174.32	137.00 3.41 -91.22	44.81 2.16 -4.30	42.98 1.92 -8.85	32.15 1.77 0.00	36.84 1.81 0.00	34.49 1.34 0.00
HOLTSVILLE_IC_3 23692	31.53 1.75 0.00	32.58 1.71 0.00	30.40 1.65 0.00	26.03 1.62 0.00	28.18 1.66 0.00	35.33 2.01 0.00	28.66 1.69 0.00	27.94 1.82 0.00	31.47 2.08 0.00	35.29 2.53 -0.30	59.17 3.47 -15.90	44.07 3.88 -1.84	46.18 3.70 -7.06	41.07 3.87 0.00	45.13 4.13 0.00	117.35 4.50 -69.31	237.13 4.47 -189.34	221.60 4.04 -174.32	137.00 3.41 -91.22	44.81 2.16 -4.30	42.98 1.92 -8.85	32.15 1.77 0.00	36.84 1.81 0.00	34.49 1.34 0.00
HOLTSVILLE_IC_4 23693	31.53 1.75 0.00	32.58 1.71 0.00	30.40 1.65 0.00	26.03 1.62 0.00	28.18 1.66 0.00	35.33 2.01 0.00	28.66 1.69 0.00	27.94 1.82 0.00	31.47 2.08 0.00	35.29 2.53 -0.30	59.17 3.47 -15.90	44.07 3.88 -1.84	46.18 3.70 -7.06	41.07 3.87 0.00	45.13 4.13 0.00	117.35 4.50 -69.31	237.13 4.47 -189.34	221.60 4.04 -174.32	137.00 3.41 -91.22	44.81 2.16 -4.30	42.98 1.92 -8.85	32.15 1.77 0.00	36.84 1.81 0.00	34.49 1.34 0.00
HOLTSVILLE_IC_5 23694	31.53 1.75 0.00	32.58 1.71 0.00	30.40 1.65 0.00	26.03 1.62 0.00	28.18 1.66 0.00	35.33 2.01 0.00	28.66 1.69 0.00	27.94 1.82 0.00	31.47 2.08 0.00	35.29 2.53 -0.30	59.17 3.47 -15.90	44.07 3.88 -1.84	46.18 3.70 -7.06	41.07 3.87 0.00	45.13 4.13 0.00	117.35 4.50 -69.31	237.13 4.47 -189.34	221.60 4.04 -174.32	137.00 3.41 -91.22	44.81 2.16 -4.30	42.98 1.92 -8.85	32.15 1.77 0.00	36.84 1.81 0.00	34.49 1.34 0.00
HOLTSVILLE_IC_6 23695	31.79 2.01 0.00	32.82 1.96 0.00	30.63 1.87 0.00	26.19 1.78 0.00	28.36 1.84 0.00	35.55 2.24 0.00	28.85 1.87 0.00	28.13 2.01 0.00	31.71 2.31 0.00	35.59 2.83 -0.30	59.59 3.89 -15.90	44.51 4.32 -1.85	46.58 4.11 -7.06	41.50 4.31 0.00	45.62 4.62 0.00	145.82 5.05 -97.24	305.22 4.93 -256.97	279.60 4.43 -231.93	181.05 3.79 -134.89	45.16 2.50 -4.30	43.99 2.18 -9.61	32.39 2.02 0.00	37.16 2.12 0.00	34.75 1.61 0.00
HOLTSVILLE_IC_7 23696	31.79 2.01 0.00	32.82 1.96 0.00	30.63 1.87 0.00	26.19 1.78 0.00	28.36 1.84 0.00	35.55 2.24 0.00	28.85 1.87 0.00	28.13 2.01 0.00	31.71 2.31 0.00	35.59 2.83 -0.30	59.59 3.89 -15.90	44.51 4.32 -1.85	46.58 4.11 -7.06	41.50 4.31 0.00	45.62 4.62 0.00	145.82 5.05 -97.24	305.22 4.93 -256.97	279.60 4.43 -231.93	181.05 3.79 -134.89	45.16 2.50 -4.30	43.99 2.18 -9.61	32.39 2.02 0.00	37.16 2.12 0.00	34.75 1.61 0.00
HOLTSVILLE_IC_8 23697	31.79 2.01 0.00	32.82 1.96 0.00	30.63 1.87 0.00	26.19 1.78 0.00	28.36 1.84 0.00	35.55 2.24 0.00	28.85 1.87 0.00	28.13 2.01 0.00	31.71 2.31 0.00	35.59 2.83 -0.30	59.59 3.89 -15.90	44.51 4.32 -1.85	46.58 4.11 -7.06	41.50 4.31 0.00	45.62 4.62 0.00	145.82 5.05 -97.24	305.22 4.93 -256.97	279.60 4.43 -231.93	181.05 3.79 -134.89	45.16 2.50 -4.30	43.99 2.18 -9.61	32.39 2.02 0.00	37.16 2.12 0.00	34.75 1.61 0.00
HOLTSVILLE_IC_9 23698	31.79 2.01 0.00	32.82 1.96 0.00	30.63 1.87 0.00	26.19 1.78 0.00	28.36 1.84 0.00	35.55 2.24 0.00	28.85 1.87 0.00	28.13 2.01 0.00	31.71 2.31 0.00	35.59 2.83 -0.30	59.59 3.89 -15.90	44.51 4.32 -1.85	46.58 4.11 -7.06	41.50 4.31 0.00	45.62 4.62 0.00	145.82 5.05 -97.24	305.22 4.93 -256.97	279.60 4.43 -231.93	181.05 3.79 -134.89	45.16 2.50 -4.30	43.99 2.18 -9.61	32.39 2.02 0.00	37.16 2.12 0.00	34.75 1.61 0.00
HOMER_HL_115KV_TB2 355744	29.62 -0.16 0.00	30.57 -0.30 0.00	28.39 -0.37 0.00	23.98 -0.43 0.00	26.16 -0.36 0.00	32.97 -0.35 0.00	26.34 -0.64 0.00	25.66 -0.46 0.00	28.83 -0.56 0.00	32.42 -0.04 0.00	40.34 0.54 0.00	39.08 0.73 0.00	35.71 0.30 0.00	37.74 0.55 0.00	41.41 0.41 0.00	44.12 0.59 0.00	44.18 0.85 0.00	44.07 0.83 0.00	43.69 1.32 0.00	39.58 1.23 0.00	32.93 0.73 0.00	31.15 0.77 0.00	36.12 1.08 0.00	33.54 0.40 0.00
HOWARD_WT_PWR 323690	30.52 0.74 0.00	31.58 0.72 0.00	29.39 0.63 0.00	24.75 0.34 0.00	26.94 0.41 0.00	33.94 0.62 0.00	27.25 0.27 0.00	26.46 0.34 0.00	29.58 0.18 0.00	33.11 0.64 0.00	41.19 1.39 0.00	39.97 1.63 0.00	36.71 1.30 0.00	38.71 1.51 0.00	42.64 1.60 -0.04	45.27 1.72 -0.03	45.13 1.76 -0.05	45.20 1.97 0.00	44.65 2.28 0.00	40.45 2.10 0.00	33.78 1.58 0.00	31.84 1.46 0.00	36.90 1.86 0.00	34.39 1.25 0.00



HQ_GEN_CEDARS 23644	29.63 -0.15 0.00	30.65 -0.21 0.00	28.55 -0.21 0.00	24.25 -0.16 0.00	26.40 -0.12 0.00	33.08 -0.24 0.00	26.74 -0.23 0.00	25.83 -0.29 0.00	29.31 -0.09 0.00	32.32 -0.15 0.00	38.59 -1.21 0.00	36.74 -1.61 0.00	33.89 -1.52 0.00	35.46 -1.73 0.00	39.04 -1.96 0.00	41.58 -1.96 0.00	41.34 -1.99 0.00	41.37 -1.87 0.00	40.63 -1.74 0.00	37.04 -1.31 0.00	31.06 -1.14 0.00	29.30 -1.08 0.00	34.64 -0.40 0.00	33.04 -0.10 0.00
HQ_GEN_CEDARS_PROXY 323590	29.63 -0.15 0.00	30.65 -0.21 0.00	28.55 -0.21 0.00	24.25 -0.16 0.00	26.41 -0.12 0.00	33.08 -0.24 0.00	26.54 -0.23 0.20	25.83 -0.29 0.00	29.31 -0.09 0.00	32.32 -0.15 0.00	38.59 -1.20 0.00	36.73 -1.62 0.00	32.17 -1.52 1.72	34.19 -1.73 1.28	39.04 -1.96 0.00	41.58 -1.96 0.00	41.34 -1.99 0.00	41.37 -1.87 0.00	40.62 -1.74 0.00	37.04 -1.31 0.00	31.05 -1.14 0.00	29.30 -1.08 0.00	34.64 -0.40 0.00	33.04 -0.10 0.00
HQ_GEN_IMPORT 323601	29.48 -0.30 0.00	30.56 -0.30 0.00	28.47 -0.29 0.00	24.19 -0.22 0.00	26.30 -0.22 0.00	33.00 -0.32 0.00	26.70 -0.28 0.00	25.83 -0.29 0.00	29.19 -0.21 0.00	32.14 -0.32 0.00	39.12 -0.68 0.00	37.36 -0.99 0.00	34.49 -0.92 0.00	36.13 -1.07 0.00	39.78 -1.22 0.00	42.28 -1.26 0.00	42.05 -1.28 0.00	42.01 -1.23 0.00	41.21 -1.16 0.00	37.49 -0.86 0.00	31.44 -0.75 0.00	29.65 -0.72 0.00	34.47 -0.57 0.00	32.88 -0.26 0.00
HQ_GEN_WHEEL 23651	29.48 -0.30 0.00	30.56 -0.30 0.00	28.47 -0.29 0.00	24.19 -0.22 0.00	26.30 -0.22 0.00	33.00 -0.32 0.00	26.70 -0.28 0.00	25.83 -0.29 0.00	29.19 -0.21 0.00	32.14 -0.32 0.00	39.12 -0.68 0.00	37.36 -0.99 0.00	34.49 -0.92 0.00	36.13 -1.07 0.00	39.78 -1.22 0.00	42.28 -1.26 0.00	42.05 -1.28 0.00	42.01 -1.23 0.00	41.21 -1.16 0.00	37.49 -0.86 0.00	31.44 -0.75 0.00	29.65 -0.72 0.00	34.47 -0.57 0.00	32.88 -0.26 0.00
HUDSON_AVE_GT_3 23810	31.67 1.89 0.00	32.70 1.83 0.00	30.47 1.71 0.00	26.01 1.59 0.00	28.12 1.60 0.00	35.21 1.89 0.00	28.62 1.65 0.00	27.90 1.78 0.00	31.39 2.00 0.00	35.08 2.32 -0.30	43.07 3.20 -0.07	42.03 3.68 0.00	38.95 3.54 0.00	40.94 3.75 0.00	45.07 4.07 0.00	47.68 4.15 0.00	47.63 4.08 -0.22	47.01 3.78 0.00	45.74 3.37 0.00	45.17 2.53 -4.29	34.42 2.22 -0.01	32.47 2.09 0.00	37.19 2.15 0.00	34.98 1.83 0.00
HUDSON_AVE_GT_4 23540	31.67 1.89 0.00	32.70 1.83 0.00	30.47 1.71 0.00	26.01 1.59 0.00	28.12 1.60 0.00	35.21 1.89 0.00	28.62 1.65 0.00	27.90 1.78 0.00	31.39 2.00 0.00	35.08 2.32 -0.30	43.07 3.20 -0.07	42.03 3.68 0.00	38.95 3.54 0.00	40.94 3.75 0.00	45.07 4.07 0.00	47.68 4.15 0.00	47.63 4.08 -0.22	47.01 3.78 0.00	45.74 3.37 0.00	45.17 2.53 -4.29	34.42 2.22 -0.01	32.47 2.09 0.00	37.19 2.15 0.00	34.98 1.83 0.00
HUDSON_AVE_GT_5 23657	31.67 1.89 0.00	32.70 1.83 0.00	30.47 1.71 0.00	26.01 1.59 0.00	28.12 1.60 0.00	35.21 1.89 0.00	28.62 1.65 0.00	27.90 1.78 0.00	31.39 2.00 0.00	35.08 2.32 -0.30	43.07 3.20 -0.07	42.03 3.68 0.00	38.95 3.54 0.00	40.94 3.75 0.00	45.07 4.07 0.00	47.68 4.15 0.00	47.63 4.08 -0.22	47.01 3.78 0.00	45.74 3.37 0.00	45.17 2.53 -4.29	34.42 2.22 -0.01	32.47 2.09 0.00	37.19 2.15 0.00	34.98 1.83 0.00
HUDSON_AVE_10 24168	31.58 1.81 0.00	32.60 1.73 0.00	30.38 1.62 0.00	25.94 1.52 0.00	28.05 1.52 0.00	35.11 1.79 0.00	28.54 1.57 0.00	27.83 1.71 0.00	31.31 1.91 0.00	34.98 2.22 -0.30	42.95 3.08 -0.07	41.91 3.56 0.00	38.85 3.43 0.00	40.83 3.63 0.00	44.94 3.94 0.00	47.55 4.02 0.00	47.50 3.95 -0.22	46.90 3.66 0.00	45.63 3.26 0.00	45.08 2.44 -4.29	34.33 2.12 -0.01	32.37 1.99 0.00	37.09 2.05 0.00	34.89 1.75 0.00
HUDSON___115KV_TB 4 355613	31.18 1.41 0.00	32.37 1.50 0.00	30.14 1.38 0.00	25.54 1.12 0.00	27.74 1.21 0.00	34.90 1.59 0.00	28.25 1.27 0.00	27.33 1.21 0.00	30.65 1.26 0.00	33.91 1.41 -0.04	41.36 1.55 -0.01	39.77 1.42 0.00	36.76 1.34 0.00	38.62 1.42 0.00	42.59 1.59 0.00	45.20 1.67 0.00	45.25 1.92 0.00	45.40 2.16 0.00	44.53 2.16 0.00	40.92 1.85 -0.73	33.77 1.57 0.00	31.86 1.48 0.00	36.41 1.37 0.00	34.37 1.23 0.00
HUNTER MOUNT___DRP 323613	31.41 1.63 0.00	32.61 1.75 0.00	30.36 1.60 0.00	25.69 1.28 0.00	27.92 1.40 0.00	35.18 1.86 0.00	28.48 1.50 0.00	27.55 1.43 0.00	30.94 1.55 0.00	34.17 1.71 0.00	41.60 1.81 0.00	39.89 1.55 0.00	36.83 1.41 0.00	38.71 1.51 0.00	42.70 1.70 0.00	45.36 1.83 0.00	45.49 2.16 0.00	45.71 2.48 0.00	44.90 2.53 0.00	41.14 2.25 -0.54	34.09 1.89 0.00	32.15 1.78 0.00	36.70 1.66 0.00	34.58 1.44 0.00
HUNTINGTON_RES_REC 323705	31.59 1.81 0.00	32.68 1.82 0.00	30.51 1.75 0.00	26.10 1.69 0.00	28.27 1.75 0.00	35.45 2.13 0.00	28.74 1.76 0.00	27.99 1.87 0.00	31.53 2.14 0.00	35.32 2.55 -0.30	59.21 3.51 -15.90	44.23 4.02 -1.86	46.34 3.87 -7.06	41.30 4.11 0.00	45.43 4.43 -0.01	409.24 4.81 -360.89	1025.29 4.77 -977.20	902.68 4.36 -855.08	629.44 3.63 -583.45	44.92 2.27 -4.31	56.68 1.91 -22.57	32.17 1.79 0.00	36.86 1.82 0.00	34.50 1.36 0.00
HUNTLEY___63 23557	29.77 -0.01 0.00	30.69 -0.17 0.00	28.61 -0.14 0.00	23.91 -0.50 0.00	26.11 -0.42 0.00	32.85 -0.47 0.00	26.27 -0.70 0.00	25.32 -0.80 0.00	28.16 -1.24 0.00	31.61 -0.86 0.00	39.82 0.02 0.00	38.59 0.25 0.00	35.34 -0.08 0.00	37.12 -0.07 0.00	40.89 -0.11 0.00	43.61 0.08 0.00	43.69 0.36 0.00	43.82 0.58 0.00	43.53 1.16 0.00	39.43 1.08 0.00	32.73 0.54 0.00	31.03 0.65 0.00	35.97 0.93 0.00	33.50 0.36 0.00
HUNTLEY___64 23558	29.77 -0.01 0.00	30.69 -0.17 0.00	28.61 -0.14 0.00	23.91 -0.50 0.00	26.11 -0.42 0.00	32.85 -0.47 0.00	26.27 -0.70 0.00	25.32 -0.80 0.00	28.16 -1.24 0.00	31.61 -0.86 0.00	39.82 0.02 0.00	38.59 0.25 0.00	35.34 -0.08 0.00	37.12 -0.07 0.00	40.89 -0.11 0.00	43.61 0.08 0.00	43.69 0.36 0.00	43.82 0.58 0.00	43.53 1.16 0.00	39.43 1.08 0.00	32.73 0.54 0.00	31.03 0.65 0.00	35.97 0.93 0.00	33.50 0.36 0.00
HUNTLEY___65 23559	29.77 -0.01 0.00	30.69 -0.17 0.00	28.61 -0.14 0.00	23.91 -0.50 0.00	26.11 -0.42 0.00	32.85 -0.47 0.00	26.27 -0.70 0.00	25.32 -0.80 0.00	28.16 -1.24 0.00	31.61 -0.86 0.00	39.82 0.02 0.00	38.59 0.25 0.00	35.34 -0.08 0.00	37.12 -0.07 0.00	40.89 -0.11 0.00	43.61 0.08 0.00	43.69 0.36 0.00	43.82 0.58 0.00	43.53 1.16 0.00	39.43 1.08 0.00	32.73 0.54 0.00	31.03 0.65 0.00	35.97 0.93 0.00	33.50 0.36 0.00
HUNTLEY___66 23560	29.77 -0.01 0.00	30.69 -0.17 0.00	28.61 -0.14 0.00	23.91 -0.50 0.00	26.11 -0.42 0.00	32.85 -0.47 0.00	26.27 -0.70 0.00	25.32 -0.80 0.00	28.16 -1.24 0.00	31.61 -0.86 0.00	39.82 0.02 0.00	38.59 0.25 0.00	35.34 -0.08 0.00	37.12 -0.07 0.00	40.89 -0.11 0.00	43.61 0.08 0.00	43.69 0.36 0.00	43.82 0.58 0.00	43.53 1.16 0.00	39.43 1.08 0.00	32.73 0.54 0.00	31.03 0.65 0.00	35.97 0.93 0.00	33.50 0.36 0.00



HUNTLEY___67 23561	29.58 -0.20 0.00	30.51 -0.35 0.00	28.44 -0.32 0.00	23.79 -0.62 0.00	25.98 -0.54 0.00	32.68 -0.63 0.00	26.14 -0.83 0.00	25.21 -0.91 0.00	28.04 -1.36 0.00	31.46 -1.00 0.00	39.56 -0.24 0.00	38.30 -0.05 0.00	35.03 -0.39 0.00	36.83 -0.37 0.00	40.57 -0.43 0.00	43.33 -0.20 0.00	43.43 0.11 0.00	43.53 0.29 0.00	43.22 0.86 0.00	39.15 0.80 0.00	32.48 0.29 0.00	30.78 0.40 0.00	35.66 0.62 0.00	33.23 0.09 0.00
HUNTLEY___68 23562	29.58 -0.20 0.00	30.51 -0.35 0.00	28.44 -0.32 0.00	23.79 -0.62 0.00	25.98 -0.54 0.00	32.68 -0.63 0.00	26.14 -0.83 0.00	25.21 -0.91 0.00	28.04 -1.36 0.00	31.46 -1.00 0.00	39.56 -0.24 0.00	38.30 -0.05 0.00	35.03 -0.39 0.00	36.83 -0.37 0.00	40.57 -0.43 0.00	43.33 -0.20 0.00	43.43 0.11 0.00	43.53 0.29 0.00	43.22 0.86 0.00	39.15 0.80 0.00	32.48 0.29 0.00	30.78 0.40 0.00	35.66 0.62 0.00	33.23 0.09 0.00
HYLAND___LFG 323620	31.27 1.50 0.00	32.48 1.62 0.00	30.19 1.44 0.00	25.38 0.96 0.00	27.64 1.12 0.00	34.80 1.48 0.00	27.97 0.99 0.00	27.06 0.94 0.00	30.07 0.68 0.00	33.40 0.93 0.00	41.42 1.62 0.00	40.21 1.87 0.00	36.53 1.12 0.00	37.99 0.80 0.00	41.38 0.38 0.00	44.07 0.54 0.00	43.91 0.58 0.00	44.34 1.10 0.00	44.11 1.75 0.00	40.33 1.98 0.00	34.08 1.89 0.00	32.28 1.90 0.00	37.86 2.82 0.00	35.50 2.36 0.00
INDECK___CORINTH 23802	32.54 2.77 0.00	33.90 3.04 0.00	31.56 2.80 0.00	26.59 2.18 0.00	28.98 2.46 0.00	36.68 3.37 0.00	29.76 2.79 0.00	28.86 2.74 0.00	32.54 3.14 0.00	36.01 3.50 -0.05	43.77 3.96 -0.01	42.03 3.68 0.00	38.26 2.84 0.00	40.29 3.10 0.00	44.71 3.71 0.00	47.57 4.04 0.00	47.75 4.42 0.00	47.80 4.56 0.00	46.97 4.60 0.00	43.48 4.27 -0.86	35.87 3.67 0.00	33.88 3.51 0.00	38.75 3.71 0.00	36.26 3.12 0.00
INDECK___ILION 23567	30.20 0.42 0.00	31.33 0.47 0.00	29.16 0.40 0.00	24.71 0.30 0.00	26.89 0.37 0.00	33.84 0.52 0.00	27.44 0.46 0.00	26.60 0.47 0.00	29.83 0.44 0.00	32.98 0.51 0.00	40.45 0.66 0.00	38.89 0.54 0.00	35.84 0.43 0.00	37.73 0.53 0.00	41.75 0.75 0.00	44.38 0.85 0.00	44.23 0.90 0.00	44.18 0.94 0.00	43.37 1.01 0.00	39.19 0.84 0.00	32.97 0.78 0.00	31.12 0.75 0.00	35.66 0.62 0.00	33.55 0.40 0.00
INDECK___OLEAN 23982	29.61 -0.16 0.00	30.56 -0.30 0.00	28.39 -0.37 0.00	23.98 -0.43 0.00	26.16 -0.36 0.00	32.97 -0.35 0.00	26.34 -0.64 0.00	25.67 -0.46 0.00	28.83 -0.56 0.00	32.42 -0.04 0.00	40.31 0.51 0.00	39.08 0.74 0.00	35.71 0.30 0.00	37.74 0.55 0.00	41.42 0.43 0.00	44.11 0.58 0.00	44.19 0.87 0.00	44.07 0.83 0.00	43.67 1.31 0.00	39.58 1.23 0.00	32.95 0.75 0.00	31.15 0.77 0.00	36.12 1.08 0.00	33.54 0.40 0.00
INDECK___OSWEGO 23783	29.22 -0.55 0.00	30.25 -0.61 0.00	28.18 -0.58 0.00	23.88 -0.54 0.00	25.92 -0.60 0.00	32.58 -0.74 0.00	26.35 -0.63 0.00	25.53 -0.60 0.00	28.68 -0.71 0.00	31.77 -0.69 0.00	39.19 -0.65 -0.03	37.92 -0.43 0.00	34.98 -0.44 0.00	36.70 -0.49 0.00	40.66 -0.77 -0.42	43.02 -0.79 -0.28	43.13 -0.75 -0.55	42.50 -0.74 0.00	41.71 -0.66 0.00	37.77 -0.58 0.00	31.85 -0.35 0.00	30.15 -0.23 0.00	34.69 -0.35 0.00	32.57 -0.57 0.00
INDECK___YERKES 23781	29.80 0.02 0.00	30.72 -0.14 0.00	28.64 -0.11 0.00	23.93 -0.48 0.00	26.13 -0.39 0.00	32.88 -0.44 0.00	26.30 -0.67 0.00	25.35 -0.77 0.00	28.19 -1.20 0.00	31.64 -0.82 0.00	39.83 0.03 0.00	38.63 0.28 0.00	35.38 -0.03 0.00	37.17 -0.03 0.00	40.94 -0.05 0.00	43.65 0.12 0.00	43.75 0.43 0.00	43.87 0.63 0.00	43.56 1.19 0.00	39.47 1.12 0.00	32.79 0.59 0.00	31.06 0.68 0.00	36.01 0.97 0.00	33.54 0.39 0.00
INDIAN POINT_GT_1 24139	31.26 1.48 0.00	32.30 1.44 0.00	30.10 1.34 0.00	25.69 1.28 0.00	27.81 1.28 0.00	34.83 1.51 0.00	28.30 1.32 0.00	27.58 1.45 0.00	30.99 1.60 0.00	34.64 1.83 -0.35	42.43 2.55 -0.08	41.35 3.00 0.00	38.33 2.92 0.00	40.33 3.13 0.00	44.45 3.45 0.00	47.08 3.55 0.00	48.81 3.49 -1.99	46.47 3.24 0.00	45.22 2.85 0.00	45.00 2.07 -4.59	34.02 1.80 -0.02	32.09 1.72 0.00	36.76 1.73 0.00	34.59 1.45 0.00
INDIAN POINT_GT_2 23659	31.26 1.48 0.00	32.30 1.44 0.00	30.10 1.34 0.00	25.69 1.28 0.00	27.81 1.28 0.00	34.83 1.51 0.00	28.30 1.32 0.00	27.58 1.45 0.00	30.99 1.60 0.00	34.64 1.83 -0.35	42.43 2.55 -0.08	41.35 3.00 0.00	38.33 2.92 0.00	40.33 3.13 0.00	44.45 3.45 0.00	47.08 3.55 0.00	48.81 3.49 -1.99	46.47 3.24 0.00	45.22 2.85 0.00	45.00 2.07 -4.59	34.02 1.80 -0.02	32.09 1.72 0.00	36.76 1.73 0.00	34.59 1.45 0.00
INDIAN POINT_GT_3 24019	31.26 1.48 0.00	32.30 1.44 0.00	30.10 1.34 0.00	25.69 1.28 0.00	27.81 1.28 0.00	34.83 1.51 0.00	28.30 1.32 0.00	27.58 1.45 0.00	30.99 1.60 0.00	34.64 1.83 -0.35	42.43 2.55 -0.08	41.35 3.00 0.00	38.33 2.92 0.00	40.33 3.13 0.00	44.45 3.45 0.00	47.08 3.55 0.00	48.81 3.49 -1.99	46.47 3.24 0.00	45.22 2.85 0.00	45.00 2.07 -4.59	34.02 1.80 -0.02	32.09 1.72 0.00	36.76 1.73 0.00	34.59 1.45 0.00
INDIAN POINT___2 23530	31.20 1.43 0.00	32.24 1.37 0.00	30.04 1.29 0.00	25.65 1.23 0.00	27.77 1.24 0.00	34.76 1.44 0.00	28.25 1.27 0.00	27.52 1.40 0.00	30.93 1.54 0.00	34.69 1.75 -0.47	42.38 2.47 -0.11	41.27 2.92 0.00	38.26 2.85 0.00	40.26 3.06 0.00	44.37 3.37 0.00	47.00 3.46 0.00	46.13 3.40 0.59	46.39 3.15 0.00	45.14 2.78 0.00	45.88 1.99 -5.54	33.95 1.74 -0.02	32.03 1.65 0.00	36.70 1.66 0.00	34.55 1.41 0.00
INDIAN POINT___3 23531	31.19 1.42 0.00	32.25 1.38 0.00	30.05 1.29 0.00	25.65 1.24 0.00	27.77 1.25 0.00	34.77 1.45 0.00	28.27 1.29 0.00	27.54 1.42 0.00	30.94 1.54 0.00	34.58 1.76 -0.36	42.34 2.46 -0.09	41.26 2.91 0.00	38.24 2.82 0.00	40.22 3.03 0.00	44.34 3.34 0.00	46.95 3.42 0.00	46.57 3.37 0.12	46.35 3.11 0.00	45.12 2.75 0.00	44.98 1.98 -4.65	33.94 1.73 -0.02	32.02 1.65 0.00	36.69 1.65 0.00	34.53 1.39 0.00
INGHAM_C_115KV_TB7 356103	30.44 0.66 0.00	31.63 0.76 0.00	29.39 0.63 0.00	24.84 0.43 0.00	27.12 0.60 0.00	34.19 0.87 0.00	27.77 0.79 0.00	26.94 0.82 0.00	30.13 0.73 0.00	33.30 0.83 0.00	40.78 0.99 0.00	38.93 0.59 0.00	35.75 0.34 0.00	37.68 0.48 0.00	41.89 0.90 0.00	44.63 1.10 0.00	44.53 1.21 0.00	44.54 1.30 0.00	43.89 1.52 0.00	39.65 1.30 0.00	33.45 1.26 0.00	31.60 1.23 0.00	36.00 0.96 0.00	33.75 0.60 0.00
IP CORINTH___1 23988	32.57 2.80 0.00	33.90 3.04 0.00	31.56 2.80 0.00	26.59 2.18 0.00	28.98 2.46 0.00	36.68 3.37 0.00	29.76 2.79 0.00	28.86 2.74 0.00	32.54 3.14 0.00	36.01 3.50 -0.05	43.77 3.96 -0.01	42.03 3.68 0.00	38.26 2.84 0.00	40.29 3.10 0.00	44.71 3.71 0.00	47.57 4.04 0.00	47.75 4.42 0.00	47.80 4.56 0.00	46.97 4.60 0.00	43.48 4.27 -0.86	35.87 3.68 0.00	33.89 3.51 0.00	38.75 3.71 0.00	36.26 3.12 0.00



IP__TICONDEROGA 23804	34.11 4.33 0.00	35.56 4.70 0.00	33.17 4.41 0.00	27.62 3.21 0.00	30.26 3.74 0.00	38.79 5.47 0.00	31.47 4.50 0.00	30.43 4.31 0.00	34.48 5.08 0.00	37.96 5.45 -0.05	46.22 6.41 -0.01	44.18 5.83 0.00	39.84 4.42 0.00	41.90 4.70 0.00	46.69 5.70 0.00	49.68 6.15 0.00	50.48 7.15 0.00	50.40 7.16 0.00	48.56 6.20 0.00	45.22 6.00 -0.87	37.17 4.97 0.00	35.21 4.83 0.00	40.24 5.20 0.00	37.57 4.43 0.00
ISLIP_RES_REC 323679	32.01 2.23 0.00	33.03 2.17 0.00	30.81 2.05 0.00	26.35 1.93 0.00	28.52 2.00 0.00	35.75 2.44 0.00	29.01 2.03 0.00	28.29 2.17 0.00	31.90 2.51 0.00	35.85 3.09 -0.30	59.95 4.24 -15.90	44.87 4.68 -1.85	46.92 4.44 -7.06	41.87 4.67 0.00	46.02 5.03 0.00	139.41 5.48 -90.39	282.76 5.39 -234.05	258.28 4.91 -210.14	167.98 4.25 -121.36	45.54 2.89 -4.30	43.38 2.43 -8.76	32.64 2.27 0.00	37.43 2.40 0.00	34.98 1.84 0.00
JAMAICA__27_KV_LOAD 355505	31.89 2.12 0.00	32.88 2.02 0.00	30.63 1.87 0.00	26.18 1.76 0.00	28.29 1.76 0.00	35.38 2.06 0.00	28.78 1.81 0.00	28.08 1.95 0.00	31.60 2.20 0.00	35.31 2.55 -0.30	43.39 3.52 -0.07	42.31 3.97 0.00	39.22 3.81 0.00	41.27 4.07 0.00	45.42 4.42 0.00	48.07 4.54 0.00	48.03 4.49 -0.22	47.42 4.18 0.00	46.18 3.81 0.00	45.58 2.94 -4.29	34.70 2.49 -0.01	32.68 2.31 0.00	37.49 2.46 0.00	35.27 2.13 0.00
JANIS__SOLAR 323808	31.25 1.47 0.00	32.29 1.42 0.00	30.05 1.29 0.00	25.44 1.02 0.00	27.65 1.13 0.00	34.80 1.48 0.00	28.12 1.15 0.00	27.27 1.14 0.00	30.52 1.13 0.00	33.67 1.21 0.00	41.54 1.74 -0.01	39.98 1.64 0.00	37.08 1.66 0.00	39.40 2.21 0.00	43.74 2.66 -0.08	46.61 3.02 -0.05	46.61 3.18 -0.11	46.36 3.12 0.00	45.65 3.28 0.00	41.37 3.02 0.00	34.71 2.52 0.00	32.68 2.31 0.00	37.52 2.48 0.00	35.08 1.94 0.00
JARVIS____ 23743	29.95 0.17 0.00	31.05 0.18 0.00	28.93 0.17 0.00	24.55 0.14 0.00	26.67 0.15 0.00	33.52 0.20 0.00	27.16 0.18 0.00	26.31 0.18 0.00	29.56 0.16 0.00	32.66 0.19 0.00	40.11 0.31 0.00	38.73 0.38 0.00	35.76 0.35 0.00	37.60 0.40 0.00	41.48 0.49 0.00	44.02 0.49 0.00	43.83 0.51 0.00	43.72 0.48 0.00	42.83 0.47 0.00	38.71 0.37 0.00	32.52 0.32 0.00	30.68 0.30 0.00	35.28 0.24 0.00	33.29 0.15 0.00
JENNISON__1 23625	31.35 1.57 0.00	32.41 1.55 0.00	30.17 1.41 0.00	25.56 1.15 0.00	27.79 1.26 0.00	34.97 1.65 0.00	28.25 1.27 0.00	27.44 1.32 0.00	30.82 1.43 0.00	34.12 1.66 0.00	42.18 2.37 0.00	40.71 2.37 0.00	37.64 2.22 0.00	39.92 2.73 0.00	44.09 3.03 -0.06	46.87 3.30 -0.04	46.81 3.41 -0.08	46.66 3.42 0.00	45.86 3.49 0.00	41.43 3.07 0.00	34.71 2.52 0.00	32.69 2.32 0.00	37.53 2.49 0.00	35.12 1.98 0.00
JENNISON__2 23626	31.35 1.57 0.00	32.41 1.55 0.00	30.17 1.41 0.00	25.56 1.15 0.00	27.79 1.26 0.00	34.97 1.65 0.00	28.25 1.27 0.00	27.44 1.32 0.00	30.82 1.43 0.00	34.12 1.66 0.00	42.18 2.37 0.00	40.71 2.37 0.00	37.64 2.22 0.00	39.92 2.73 0.00	44.09 3.03 -0.06	46.87 3.30 -0.04	46.81 3.41 -0.08	46.66 3.42 0.00	45.86 3.49 0.00	41.43 3.07 0.00	34.71 2.52 0.00	32.69 2.32 0.00	37.53 2.49 0.00	35.12 1.98 0.00
JERICHO_RISE_WT_PWR 323719	29.82 0.04 0.00	30.87 0.01 0.00	28.68 -0.08 0.00	24.30 -0.11 0.00	26.49 -0.04 0.00	33.22 -0.10 0.00	26.88 -0.10 0.00	25.91 -0.22 0.00	29.54 0.14 0.00	32.62 0.16 0.00	39.56 -0.24 0.00	37.66 -0.69 0.00	34.55 -0.86 0.00	36.19 -1.00 0.00	39.80 -1.20 0.00	42.02 -1.51 0.00	41.90 -1.42 0.00	42.06 -1.18 0.00	41.32 -1.05 0.00	37.58 -0.77 0.00	31.28 -0.91 0.00	29.40 -0.97 0.00	34.66 -0.38 0.00	33.46 0.31 0.00
KATONAH__115KV_46KV_TB4 355592	31.54 1.77 0.00	32.58 1.72 0.00	30.35 1.60 0.00	25.87 1.46 0.00	28.00 1.47 0.00	35.10 1.79 0.00	28.53 1.55 0.00	27.79 1.67 0.00	31.27 1.87 0.00	34.83 2.19 -0.18	42.89 3.04 -0.04	41.86 3.51 0.00	38.81 3.40 0.00	40.83 3.63 0.00	45.00 4.00 0.00	47.67 4.14 0.00	47.50 4.03 -0.15	46.97 3.73 0.00	45.69 3.33 0.00	44.14 2.50 -3.29	34.36 2.15 -0.01	32.42 2.05 0.00	37.11 2.07 0.00	34.86 1.72 0.00
KCE_NY_1 323755	32.03 2.25 0.00	33.26 2.40 0.00	30.96 2.20 0.00	26.16 1.74 0.00	28.47 1.94 0.00	35.94 2.63 0.00	29.15 2.18 0.00	28.28 2.15 0.00	31.81 2.41 0.00	35.20 2.69 -0.05	43.01 3.20 -0.01	41.37 3.02 0.00	37.94 2.53 0.00	39.94 2.74 0.00	44.28 3.29 0.00	47.04 3.51 0.00	47.05 3.72 0.00	47.09 3.85 0.00	46.17 3.80 0.00	42.65 3.41 -0.89	35.10 2.90 0.00	33.17 2.79 0.00	37.96 2.92 0.00	35.59 2.45 0.00
KCE_NY_6_ESR 323823	29.95 0.17 0.00	30.88 0.02 0.00	28.78 0.02 0.00	24.09 -0.33 0.00	26.29 -0.24 0.00	33.08 -0.24 0.00	26.47 -0.51 0.00	25.58 -0.55 0.00	28.47 -0.93 0.00	31.96 -0.50 0.00	40.12 0.33 0.00	38.91 0.56 0.00	35.60 0.19 0.00	37.46 0.26 0.00	41.24 0.25 0.00	44.02 0.48 0.00	44.13 0.81 0.00	44.18 0.94 0.00	43.89 1.52 0.00	39.75 1.40 0.00	33.02 0.82 0.00	31.24 0.87 0.00	36.18 1.15 0.00	33.66 0.52 0.00
KEDC_PORT_JEFF_GT2 24210	31.78 2.00 0.00	32.82 1.96 0.00	30.62 1.86 0.00	26.19 1.78 0.00	28.35 1.83 0.00	35.55 2.24 0.00	28.85 1.87 0.00	28.13 2.00 0.00	31.71 2.31 0.00	35.59 2.83 -0.30	59.60 3.89 -15.90	44.51 4.32 -1.85	46.39 3.92 -7.06	41.32 4.12 0.00	45.42 4.42 0.00	165.50 4.84 -117.13	362.53 4.80 -314.41	329.53 4.34 -281.95	216.14 3.66 -170.11	44.97 2.32 -4.30	45.03 2.03 -10.81	32.33 1.96 0.00	37.11 2.07 0.00	34.69 1.55 0.00
KEDC_PORT_JEFF_GT3 24211	31.78 2.00 0.00	32.82 1.96 0.00	30.62 1.86 0.00	26.19 1.78 0.00	28.35 1.83 0.00	35.55 2.24 0.00	28.85 1.87 0.00	28.13 2.00 0.00	31.71 2.31 0.00	35.59 2.83 -0.30	59.60 3.89 -15.90	44.51 4.32 -1.85	46.39 3.92 -7.06	41.32 4.12 0.00	45.42 4.42 0.00	165.50 4.84 -117.13	362.53 4.80 -314.41	329.53 4.34 -281.95	216.14 3.66 -170.11	44.97 2.32 -4.30	45.03 2.03 -10.81	32.33 1.96 0.00	37.11 2.07 0.00	34.69 1.55 0.00
KEDC_GLWD_GT4 24219	31.85 2.07 0.00	32.93 2.07 0.00	30.69 1.94 0.00	26.21 1.80 0.00	28.39 1.87 0.00	35.58 2.26 0.00	28.88 1.91 0.00	28.14 2.02 0.00	31.73 2.33 0.00	35.51 2.75 -0.30	59.50 3.81 -15.90	44.33 4.15 -1.84	46.35 3.88 -7.06	41.27 4.08 0.00	45.43 4.44 0.00	79.96 4.70 -31.73	91.85 4.65 -43.88	62.61 4.20 -15.17	45.89 3.52 0.00	44.96 2.31 -4.30	34.20 1.99 -0.01	32.32 1.94 0.00	37.31 2.27 0.00	35.01 1.87 0.00
KEDC_GLWD_GT5 24220	31.85 2.07 0.00	32.93 2.07 0.00	30.69 1.94 0.00	26.21 1.80 0.00	28.39 1.87 0.00	35.58 2.26 0.00	28.88 1.91 0.00	28.14 2.02 0.00	31.73 2.33 0.00	35.51 2.75 -0.30	59.50 3.81 -15.90	44.33 4.15 -1.84	46.35 3.88 -7.06	41.27 4.08 0.00	45.43 4.44 0.00	79.96 4.70 -31.73	91.85 4.65 -43.88	62.61 4.20 -15.17	45.89 3.52 0.00	44.96 2.31 -4.30	34.20 1.99 -0.01	32.32 1.94 0.00	37.31 2.27 0.00	35.01 1.87 0.00



KENSICO____ 23655	31.38 1.60 0.00	32.42 1.56 0.00	30.21 1.46 0.00	25.77 1.36 0.00	27.90 1.38 0.00	34.94 1.63 0.00	28.40 1.43 0.00	27.67 1.55 0.00	31.12 1.72 0.00	34.75 1.98 -0.32	42.62 2.75 -0.08	41.54 3.19 0.00	38.49 3.08 0.00	40.48 3.29 0.00	44.61 3.61 0.00	47.23 3.69 0.00	47.20 3.64 -0.25	46.61 3.37 0.00	45.35 2.98 0.00	44.94 2.19 -4.40	34.12 1.91 -0.01	32.19 1.81 0.00	36.88 1.84 0.00	34.69 1.55 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	31.38 1.60 0.00	32.38 1.51 0.00	30.17 1.41 0.00	25.72 1.30 0.00	27.84 1.31 0.00	34.89 1.57 0.00	28.34 1.37 0.00	27.59 1.47 0.00	31.04 1.64 0.00	34.33 1.87 0.00	42.56 2.77 0.00	41.59 3.24 0.00	38.57 3.16 0.00	40.65 3.46 0.00	44.94 3.95 0.00	47.70 4.17 0.00	47.47 4.15 0.00	47.13 3.89 0.00	45.84 3.47 0.00	40.23 2.63 0.75	34.42 2.23 0.00	32.46 2.08 0.00	37.20 2.16 0.00	34.91 1.77 0.00
KIAC_JFK_GT1 23816	31.55 1.78 0.00	32.54 1.68 0.00	30.32 1.56 0.00	25.91 1.50 0.00	28.00 1.47 0.00	35.02 1.71 0.00	28.50 1.52 0.00	27.80 1.68 0.00	31.28 1.88 0.00	34.95 2.19 -0.30	42.93 3.06 -0.07	41.87 3.52 0.00	38.81 3.39 0.00	40.83 3.63 0.00	44.93 3.93 0.00	47.55 4.02 0.00	47.50 3.96 -0.22	46.90 3.66 0.00	45.64 3.28 0.00	45.11 2.47 -4.29	34.31 2.10 -0.01	32.32 1.95 0.00	37.07 2.03 0.00	34.88 1.73 0.00
KIAC_JFK_GT2 23817	31.55 1.78 0.00	32.54 1.68 0.00	30.32 1.56 0.00	25.91 1.50 0.00	28.00 1.47 0.00	35.02 1.71 0.00	28.50 1.52 0.00	27.80 1.68 0.00	31.28 1.88 0.00	34.95 2.19 -0.30	42.93 3.06 -0.07	41.87 3.52 0.00	38.81 3.39 0.00	40.83 3.63 0.00	44.93 3.93 0.00	47.55 4.02 0.00	47.50 3.96 -0.22	46.90 3.66 0.00	45.64 3.28 0.00	45.11 2.47 -4.29	34.31 2.10 -0.01	32.32 1.95 0.00	37.07 2.03 0.00	34.88 1.73 0.00
KIAC_JFK____ 323774	31.55 1.77 0.00	32.54 1.68 0.00	30.32 1.56 0.00	25.91 1.50 0.00	28.00 1.47 0.00	35.02 1.71 0.00	28.50 1.53 0.00	27.80 1.68 0.00	31.28 1.89 0.00	34.95 2.19 -0.30	42.93 3.06 -0.07	41.87 3.52 0.00	38.81 3.39 0.00	40.83 3.63 0.00	44.93 3.93 0.00	47.55 4.02 0.00	47.50 3.95 -0.22	46.90 3.66 0.00	45.65 3.28 0.00	45.10 2.47 -4.29	34.31 2.10 -0.01	32.33 1.95 0.00	37.07 2.03 0.00	34.87 1.73 0.00
KINTIGH____ 23543	29.47 -0.31 0.00	30.41 -0.45 0.00	28.36 -0.40 0.00	23.77 -0.64 0.00	25.93 -0.59 0.00	32.62 -0.69 0.00	26.14 -0.84 0.00	25.23 -0.90 0.00	28.10 -1.29 0.00	31.48 -0.98 0.00	39.44 -0.36 0.00	38.20 -0.15 0.00	34.98 -0.44 0.00	36.76 -0.43 0.00	40.50 -0.50 0.00	43.23 -0.30 0.00	43.33 0.01 0.00	43.41 0.17 0.00	43.01 0.64 0.00	38.94 0.59 0.00	32.34 0.15 0.00	30.64 0.26 0.00	35.45 0.41 0.00	33.08 -0.06 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	30.41 0.64 0.00	31.49 0.63 0.00	29.28 0.53 0.00	24.70 0.29 0.00	26.99 0.47 0.00	34.07 0.76 0.00	27.52 0.54 0.00	26.45 0.33 0.00	30.28 0.89 0.00	33.48 1.02 0.00	40.70 0.90 0.00	38.87 0.52 0.00	35.44 0.03 0.00	37.21 0.01 0.00	40.99 -0.01 0.00	43.05 -0.48 0.00	42.97 -0.35 0.00	43.17 -0.07 0.00	42.45 0.08 0.00	38.45 0.10 0.00	32.16 -0.03 0.00	30.34 -0.03 0.00	35.96 0.92 0.00	34.58 1.44 0.00
LACHUTE__HYDRO 323717	34.11 4.33 0.00	35.56 4.70 0.00	33.17 4.41 0.00	27.62 3.21 0.00	30.26 3.74 0.00	38.79 5.47 0.00	31.48 4.50 0.00	30.43 4.31 0.00	34.48 5.08 0.00	37.96 5.45 -0.05	46.22 6.41 -0.01	44.18 5.83 0.00	39.84 4.42 0.00	41.90 4.70 0.00	46.69 5.69 0.00	49.69 6.16 0.00	50.48 7.15 0.00	50.40 7.16 0.00	48.57 6.20 0.00	45.22 6.00 -0.87	37.16 4.97 0.00	35.21 4.83 0.00	40.24 5.20 0.00	37.57 4.43 0.00
LAWRNCV_115KV_TB1 80681	29.53 -0.25 0.00	30.50 -0.36 0.00	28.39 -0.37 0.00	24.08 -0.33 0.00	26.24 -0.28 0.00	32.85 -0.47 0.00	26.56 -0.42 0.00	25.64 -0.48 0.00	29.10 -0.30 0.00	32.13 -0.34 0.00	38.32 -1.48 0.00	36.46 -1.89 0.00	33.69 -1.72 0.00	35.29 -1.91 0.00	38.87 -2.15 -0.03	41.40 -2.15 -0.02	41.25 -2.11 -0.04	41.26 -1.97 0.00	40.53 -1.84 0.00	37.01 -1.34 0.00	31.03 -1.17 0.00	29.24 -1.13 0.00	34.52 -0.52 0.00	32.87 -0.27 0.00
LEDERLE____ 23769	31.32 1.54 0.00	32.36 1.50 0.00	30.16 1.40 0.00	25.76 1.35 0.00	27.89 1.37 0.00	34.89 1.58 0.00	28.37 1.39 0.00	27.66 1.53 0.00	31.06 1.67 0.00	33.93 1.90 0.43	42.35 2.66 0.11	41.50 3.15 0.00	38.49 3.07 0.00	40.53 3.33 0.00	44.71 3.71 0.00	47.34 3.81 0.00	46.71 3.72 0.33	46.70 3.46 0.00	45.44 3.07 0.00	35.40 2.23 5.18	34.13 1.95 0.02	32.20 1.82 0.00	36.90 1.86 0.00	34.73 1.59 0.00
LIGHTRSE_115KV_TB6 355974	29.82 0.04 0.00	30.81 -0.05 0.00	28.68 -0.08 0.00	24.28 -0.13 0.00	26.33 -0.19 0.00	33.03 -0.28 0.00	26.69 -0.29 0.00	25.84 -0.29 0.00	29.11 -0.29 0.00	32.24 -0.23 0.00	39.70 -0.11 -0.02	38.45 0.10 0.00	35.53 0.12 0.00	37.42 0.22 0.00	41.35 0.12 -0.23	43.95 0.27 -0.15	43.90 0.28 -0.30	43.43 0.19 0.00	42.69 0.32 0.00	38.78 0.43 0.00	32.57 0.37 0.00	30.71 0.34 0.00	35.46 0.42 0.00	33.13 -0.01 0.00
LINDEN COGEN____ 23786	31.50 1.72 0.00	32.51 1.64 0.00	30.28 1.52 0.00	25.86 1.44 0.00	27.96 1.43 0.00	34.99 1.68 0.00	28.44 1.46 0.00	27.73 1.61 0.00	31.19 1.79 0.00	34.83 2.07 -0.30	42.75 2.89 -0.07	41.69 3.34 0.00	38.63 3.21 0.00	40.59 3.40 0.00	44.71 3.71 0.00	47.30 3.78 0.00	47.23 3.69 -0.22	46.67 3.43 0.00	45.43 3.06 0.00	44.86 2.23 -4.29	34.18 1.97 -0.01	32.23 1.85 0.00	36.93 1.89 0.00	34.74 1.60 0.00
LINDHRST_69_KV_BK1 356055	32.01 2.23 0.00	33.10 2.23 0.00	30.84 2.09 0.00	26.35 1.94 0.00	28.54 2.02 0.00	35.78 2.46 0.00	29.02 2.04 0.00	28.28 2.16 0.00	31.89 2.50 0.00	35.76 2.99 -0.30	59.77 4.07 -15.90	44.71 4.52 -1.84	46.81 4.34 -7.06	41.67 4.47 0.00	45.79 4.79 0.00	80.45 5.19 -31.72	80.47 5.18 -31.96	64.53 4.76 -16.52	48.77 4.09 -2.31	45.43 2.78 -4.30	35.40 2.39 -0.82	32.65 2.27 0.00	37.45 2.41 0.00	35.11 1.97 0.00
LIPA_MISC_IPP 23656	31.51 1.73 0.00	32.54 1.67 0.00	30.36 1.60 0.00	25.99 1.58 0.00	28.14 1.61 0.00	35.27 1.96 0.00	28.62 1.64 0.00	27.94 1.82 0.00	31.47 2.07 0.00	35.34 2.58 -0.30	59.28 3.58 -15.90	44.13 3.94 -1.84	46.23 3.76 -7.06	41.12 3.93 0.00	45.21 4.22 0.00	122.36 4.61 -74.23	249.39 4.63 -201.43	232.04 4.20 -184.60	144.92 3.56 -98.99	44.95 2.30 -4.30	43.30 2.11 -8.99	32.28 1.90 0.00	36.94 1.90 0.00	34.54 1.40 0.00
LISF__SOLAR 323691	31.59 1.81 0.00	32.63 1.76 0.00	30.44 1.68 0.00	26.05 1.64 0.00	28.20 1.68 0.00	35.36 2.04 0.00	28.69 1.71 0.00	28.00 1.88 0.00	31.55 2.15 0.00	35.42 2.66 -0.30	59.39 3.69 -15.90	44.22 4.03 -1.84	46.32 3.84 -7.06	41.21 4.01 0.00	45.30 4.31 0.00	127.61 4.74 -79.34	261.90 4.75 -213.82	242.76 4.35 -195.17	153.11 3.75 -106.99	45.12 2.47 -4.30	43.57 2.24 -9.14	32.38 2.00 0.00	37.05 2.01 0.00	34.63 1.49 0.00



LITTLE FALLS___HYD 24013	30.44 0.66 0.00	31.63 0.76 0.00	29.39 0.63 0.00	24.84 0.43 0.00	27.12 0.60 0.00	34.19 0.87 0.00	27.77 0.79 0.00	26.94 0.82 0.00	30.13 0.73 0.00	33.30 0.83 0.00	40.78 0.99 0.00	38.93 0.59 0.00	35.75 0.34 0.00	37.68 0.48 0.00	41.89 0.90 0.00	44.63 1.10 0.00	44.53 1.21 0.00	44.54 1.30 0.00	43.89 1.52 0.00	39.65 1.30 0.00	33.45 1.26 0.00	31.60 1.23 0.00	36.00 0.96 0.00	33.75 0.60 0.00
LITTLRIV_115KV_TB1 356100	29.95 0.17 0.00	30.92 0.06 0.00	28.77 0.01 0.00	24.40 -0.01 0.00	26.59 0.06 0.00	33.27 -0.05 0.00	26.91 -0.06 0.00	25.97 -0.15 0.00	29.45 0.05 0.00	32.47 0.01 0.00	38.56 -1.24 0.00	36.63 -1.72 0.00	33.83 -1.59 0.00	35.47 -1.73 0.00	39.10 -1.93 -0.03	41.71 -1.84 -0.02	41.63 -1.74 -0.04	41.78 -1.46 0.00	41.06 -1.31 0.00	37.56 -0.79 0.00	31.54 -0.66 0.00	29.74 -0.64 0.00	35.07 0.03 0.00	33.39 0.24 0.00
LI_NEWBRDGE___DRP 323616	31.44 1.66 0.00	32.53 1.67 0.00	30.34 1.59 0.00	25.94 1.53 0.00	28.10 1.57 0.00	35.21 1.90 0.00	28.57 1.59 0.00	27.82 1.70 0.00	31.33 1.94 0.00	35.04 2.28 -0.30	58.84 3.14 -15.90	43.79 3.60 -1.84	45.94 3.47 -7.06	40.83 3.63 0.00	44.91 3.92 0.00	79.41 4.16 -31.72	69.57 4.10 -22.14	53.65 3.69 -6.72	45.48 3.11 0.00	44.65 2.00 -4.30	33.95 1.74 -0.01	32.06 1.68 0.00	36.76 1.72 0.00	34.53 1.39 0.00
LOCKPORT_115KV_TB60_63_64 80432	29.49 -0.29 0.00	30.39 -0.47 0.00	28.33 -0.43 0.00	23.68 -0.74 0.00	25.86 -0.67 0.00	32.53 -0.79 0.00	26.02 -0.96 0.00	25.05 -1.07 0.00	27.85 -1.54 0.00	31.25 -1.21 0.00	39.38 -0.42 0.00	38.12 -0.22 0.00	34.87 -0.54 0.00	36.61 -0.59 0.00	40.31 -0.69 0.00	43.04 -0.49 0.00	43.17 -0.15 0.00	43.31 0.07 0.00	43.01 0.64 0.00	38.99 0.64 0.00	32.42 0.22 0.00	30.76 0.38 0.00	35.76 0.72 0.00	33.35 0.20 0.00
LOCKPORT___CC1 323769	29.36 -0.42 0.00	30.26 -0.60 0.00	28.22 -0.54 0.00	23.58 -0.84 0.00	25.75 -0.77 0.00	32.41 -0.91 0.00	25.91 -1.07 0.00	24.96 -1.17 0.00	27.74 -1.66 0.00	31.12 -1.34 0.00	39.16 -0.63 0.00	37.96 -0.39 0.00	34.70 -0.71 0.00	36.45 -0.74 0.00	40.15 -0.85 0.00	42.83 -0.70 0.00	42.99 -0.34 0.00	43.11 -0.13 0.00	42.78 0.41 0.00	38.81 0.46 0.00	32.32 0.13 0.00	30.65 0.27 0.00	35.68 0.64 0.00	33.30 0.16 0.00
LOCKPORT___CC2 323770	29.36 -0.42 0.00	30.26 -0.60 0.00	28.22 -0.54 0.00	23.58 -0.84 0.00	25.75 -0.77 0.00	32.41 -0.91 0.00	25.91 -1.07 0.00	24.96 -1.17 0.00	27.74 -1.66 0.00	31.12 -1.34 0.00	39.16 -0.63 0.00	37.96 -0.39 0.00	34.70 -0.71 0.00	36.45 -0.74 0.00	40.15 -0.85 0.00	42.83 -0.70 0.00	42.99 -0.34 0.00	43.11 -0.13 0.00	42.78 0.41 0.00	38.81 0.46 0.00	32.32 0.13 0.00	30.65 0.27 0.00	35.68 0.64 0.00	33.30 0.16 0.00
LOCKPORT___CC3 323771	29.36 -0.42 0.00	30.26 -0.60 0.00	28.22 -0.54 0.00	23.58 -0.84 0.00	25.75 -0.77 0.00	32.41 -0.91 0.00	25.91 -1.07 0.00	24.96 -1.17 0.00	27.74 -1.66 0.00	31.12 -1.34 0.00	39.16 -0.63 0.00	37.96 -0.39 0.00	34.70 -0.71 0.00	36.45 -0.74 0.00	40.15 -0.85 0.00	42.83 -0.70 0.00	42.99 -0.34 0.00	43.11 -0.13 0.00	42.78 0.41 0.00	38.81 0.46 0.00	32.32 0.13 0.00	30.65 0.27 0.00	35.68 0.64 0.00	33.30 0.16 0.00
LONG_LAKE_PHOENIX 24014	29.39 -0.39 0.00	30.43 -0.44 0.00	28.34 -0.42 0.00	24.00 -0.41 0.00	26.07 -0.46 0.00	32.76 -0.56 0.00	26.50 -0.48 0.00	25.67 -0.45 0.00	28.83 -0.56 0.00	31.94 -0.52 0.00	39.44 -0.39 -0.03	38.16 -0.19 0.00	35.24 -0.17 0.00	37.06 -0.13 0.00	41.09 -0.23 -0.32	43.58 -0.16 -0.21	43.63 -0.11 -0.42	43.16 -0.08 0.00	42.35 -0.01 0.00	38.33 -0.02 0.00	32.17 -0.03 0.00	30.39 0.01 0.00	34.93 -0.10 0.00	32.81 -0.34 0.00
LOVETT___3 23632	31.07 1.30 0.00	32.12 1.26 0.00	29.94 1.18 0.00	25.59 1.18 0.00	27.72 1.19 0.00	34.66 1.34 0.00	28.19 1.21 0.00	27.47 1.35 0.00	30.83 1.44 0.00	33.63 1.62 0.45	41.96 2.27 0.11	41.11 2.76 0.00	38.10 2.69 0.00	40.12 2.92 0.00	44.23 3.23 0.00	46.83 3.30 0.00	46.23 3.24 0.33	46.23 2.99 0.00	44.99 2.62 0.00	34.88 1.84 5.32	33.79 1.62 0.02	31.91 1.53 0.00	36.56 1.52 0.00	34.45 1.30 0.00
LOVETT___4 23642	31.07 1.30 0.00	32.12 1.26 0.00	29.94 1.18 0.00	25.59 1.18 0.00	27.72 1.19 0.00	34.66 1.34 0.00	28.19 1.21 0.00	27.47 1.35 0.00	30.83 1.44 0.00	33.63 1.62 0.45	41.96 2.27 0.11	41.11 2.76 0.00	38.10 2.69 0.00	40.12 2.92 0.00	44.23 3.23 0.00	46.83 3.30 0.00	46.23 3.24 0.33	46.23 2.99 0.00	44.99 2.62 0.00	34.88 1.84 5.32	33.79 1.62 0.02	31.91 1.53 0.00	36.56 1.52 0.00	34.45 1.30 0.00
LOVETT___5 23593	31.07 1.30 0.00	32.12 1.26 0.00	29.94 1.18 0.00	25.59 1.18 0.00	27.72 1.19 0.00	34.66 1.34 0.00	28.19 1.21 0.00	27.47 1.35 0.00	30.83 1.44 0.00	33.63 1.62 0.45	41.96 2.27 0.11	41.11 2.76 0.00	38.10 2.69 0.00	40.12 2.92 0.00	44.23 3.23 0.00	46.83 3.30 0.00	46.23 3.24 0.33	46.23 2.99 0.00	44.99 2.62 0.00	34.88 1.84 5.32	33.79 1.62 0.02	31.91 1.53 0.00	36.56 1.52 0.00	34.45 1.30 0.00
LOWER RAQUET___HYD 24057	29.50 -0.28 0.00	30.45 -0.41 0.00	28.34 -0.42 0.00	24.03 -0.38 0.00	26.19 -0.33 0.00	32.78 -0.54 0.00	26.50 -0.48 0.00	25.59 -0.54 0.00	29.03 -0.37 0.00	32.07 -0.40 0.00	38.24 -1.56 0.00	36.38 -1.96 0.00	33.63 -1.79 0.00	35.23 -1.97 0.00	38.82 -2.21 -0.03	41.35 -2.20 -0.02	41.21 -2.15 -0.04	41.23 -2.02 0.00	40.52 -1.85 0.00	37.00 -1.35 0.00	31.02 -1.18 0.00	29.23 -1.15 0.00	34.49 -0.55 0.00	32.81 -0.33 0.00
LOWER___HUDSON 24059	31.13 1.35 0.00	32.33 1.47 0.00	30.12 1.36 0.00	25.51 1.10 0.00	27.72 1.20 0.00	34.95 1.63 0.00	28.36 1.38 0.00	27.47 1.34 0.00	30.82 1.42 0.00	34.08 1.57 -0.05	41.68 1.87 -0.01	40.21 1.86 0.00	37.03 1.61 0.00	38.92 1.73 0.00	43.05 2.06 0.00	45.62 2.09 0.00	45.44 2.12 0.00	45.50 2.26 0.00	44.54 2.17 0.00	41.19 1.89 -0.95	33.87 1.67 0.00	32.01 1.63 0.00	36.63 1.59 0.00	34.46 1.32 0.00
LOWVILLE_115KV_TB2 356335	30.71 0.93 0.00	31.70 0.83 0.00	29.48 0.72 0.00	24.96 0.55 0.00	27.07 0.55 0.00	33.79 0.47 0.00	27.25 0.27 0.00	26.33 0.20 0.00	29.84 0.45 0.00	33.04 0.57 0.00	40.41 0.60 -0.01	39.04 0.69 0.00	36.13 0.72 0.00	38.02 0.82 0.00	41.96 0.90 -0.07	44.70 1.12 -0.04	44.75 1.34 -0.09	44.45 1.21 0.00	43.72 1.35 0.00	39.88 1.53 0.00	33.52 1.32 0.00	31.47 1.09 0.00	36.38 1.34 0.00	33.92 0.78 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	32.03 2.25 0.00	33.26 2.40 0.00	30.97 2.21 0.00	26.17 1.76 0.00	28.48 1.96 0.00	35.95 2.63 0.00	29.16 2.19 0.00	28.27 2.15 0.00	31.80 2.41 0.00	35.19 2.68 -0.05	42.99 3.18 -0.01	41.35 3.01 0.00	37.93 2.51 0.00	39.90 2.71 0.00	44.23 3.23 0.00	46.99 3.46 0.00	47.00 3.68 0.00	47.06 3.82 0.00	46.14 3.77 0.00	42.63 3.39 -0.89	35.10 2.90 0.00	33.15 2.77 0.00	37.93 2.90 0.00	35.59 2.45 0.00



LUTHERNY_35_KV_BK2 355980	32.03 2.25 0.00	33.26 2.40 0.00	30.96 2.20 0.00	26.16 1.74 0.00	28.46 1.94 0.00	35.94 2.63 0.00	29.15 2.18 0.00	28.28 2.15 0.00	31.81 2.41 0.00	35.20 2.69 -0.05	43.01 3.20 -0.01	41.37 3.02 0.00	37.94 2.53 0.00	39.94 2.74 0.00	44.28 3.29 0.00	47.04 3.51 0.00	47.05 3.72 0.00	47.09 3.85 0.00	46.17 3.80 0.00	42.65 3.41 -0.89	35.10 2.90 0.00	33.17 2.79 0.00	37.96 2.92 0.00	35.59 2.45 0.00
LWR___OSWEGATCHIE_HYD 23850	30.13 0.36 0.00	30.96 0.10 0.00	28.79 0.03 0.00	24.39 -0.02 0.00	26.50 -0.02 0.00	33.14 -0.18 0.00	26.75 -0.22 0.00	25.84 -0.28 0.00	29.30 -0.09 0.00	32.41 -0.05 0.00	39.17 -0.63 0.00	37.75 -0.60 0.00	35.03 -0.39 0.00	36.84 -0.35 0.00	40.62 -0.44 -0.06	43.29 -0.27 -0.04	43.30 -0.10 -0.08	43.08 -0.16 0.00	42.31 -0.06 0.00	38.66 0.31 0.00	32.45 0.26 0.00	30.50 0.12 0.00	35.58 0.54 0.00	33.26 0.12 0.00
LYONS_FALL_HYD 23570	30.67 0.89 0.00	31.69 0.82 0.00	29.48 0.73 0.00	24.98 0.57 0.00	27.10 0.58 0.00	33.92 0.60 0.00	27.40 0.42 0.00	26.51 0.38 0.00	29.95 0.55 0.00	33.15 0.68 0.00	40.63 0.83 0.00	39.28 0.94 0.00	36.34 0.93 0.00	38.25 1.05 0.00	42.21 1.16 -0.05	44.93 1.36 -0.03	44.92 1.53 -0.07	44.70 1.46 0.00	43.94 1.57 0.00	39.93 1.58 0.00	33.54 1.34 0.00	31.54 1.16 0.00	36.36 1.32 0.00	34.02 0.88 0.00
MADISON___COUNTY_LFGE 323628	30.72 0.94 0.00	31.77 0.90 0.00	29.57 0.81 0.00	25.07 0.65 0.00	27.22 0.69 0.00	34.21 0.89 0.00	27.67 0.69 0.00	26.80 0.68 0.00	30.11 0.71 0.00	33.31 0.85 0.00	41.03 1.22 0.00	39.71 1.36 0.00	36.76 1.35 0.00	38.73 1.54 0.00	42.74 1.70 -0.05	45.41 1.85 -0.03	45.46 2.07 -0.07	45.32 2.08 0.00	44.52 2.15 0.00	40.28 1.93 0.00	33.79 1.59 0.00	31.84 1.46 0.00	36.56 1.52 0.00	34.32 1.18 0.00
MALONE___115KV_TB1 356076	30.07 0.30 0.00	31.09 0.23 0.00	28.89 0.12 0.00	24.46 0.05 0.00	26.67 0.14 0.00	33.42 0.11 0.00	27.05 0.07 0.00	26.10 -0.02 0.00	29.75 0.35 0.00	32.89 0.42 0.00	39.77 -0.03 0.00	37.86 -0.49 0.00	34.77 -0.65 0.00	36.43 -0.76 0.00	40.09 -0.91 0.00	42.41 -1.12 0.00	42.32 -1.00 0.00	42.50 -0.74 0.00	41.81 -0.56 0.00	38.04 -0.31 0.00	31.72 -0.47 0.00	29.83 -0.55 0.00	35.11 0.08 0.00	33.72 0.57 0.00
MAPLEWOD_115KV_TB3 80458	30.82 1.05 0.00	31.99 1.13 0.00	29.80 1.04 0.00	25.28 0.87 0.00	27.45 0.93 0.00	34.55 1.23 0.00	28.03 1.05 0.00	27.17 1.05 0.00	30.46 1.06 0.00	33.70 1.19 -0.05	41.27 1.46 -0.01	39.85 1.50 0.00	36.75 1.34 0.00	38.69 1.49 0.00	42.78 1.78 0.00	45.37 1.84 0.00	45.14 1.81 0.00	45.14 1.90 0.00	44.16 1.79 0.00	40.78 1.51 -0.92	33.52 1.33 0.00	31.66 1.28 0.00	36.23 1.19 0.00	34.11 0.96 0.00
MAPLE_RIDGE_WT_1 323574	29.68 -0.09 0.00	30.76 -0.11 0.00	28.66 -0.10 0.00	24.33 -0.08 0.00	26.44 -0.08 0.00	33.17 -0.15 0.00	26.79 -0.18 0.00	25.87 -0.25 0.00	29.24 -0.16 0.00	32.30 -0.16 0.00	39.42 -0.38 0.00	37.81 -0.53 0.00	34.89 -0.52 0.00	36.61 -0.59 0.00	40.38 -0.62 0.00	42.89 -0.64 0.00	42.64 -0.68 0.00	42.54 -0.70 0.00	41.73 -0.64 0.00	37.90 -0.45 0.00	31.79 -0.40 0.00	29.89 -0.48 0.00	34.66 -0.38 0.00	32.87 -0.27 0.00
MAPLE_RIDGE_WT_2 323611	29.68 -0.09 0.00	30.76 -0.11 0.00	28.66 -0.10 0.00	24.33 -0.08 0.00	26.44 -0.08 0.00	33.17 -0.15 0.00	26.79 -0.18 0.00	25.87 -0.25 0.00	29.24 -0.16 0.00	32.30 -0.16 0.00	39.42 -0.38 0.00	37.81 -0.53 0.00	34.89 -0.52 0.00	36.61 -0.59 0.00	40.38 -0.62 0.00	42.89 -0.64 0.00	42.64 -0.68 0.00	42.54 -0.70 0.00	41.73 -0.64 0.00	37.90 -0.45 0.00	31.79 -0.40 0.00	29.89 -0.48 0.00	34.66 -0.38 0.00	32.87 -0.27 0.00
MARBLE_RIVER_WT_PWR 323696	29.96 0.18 0.00	31.03 0.16 0.00	28.83 0.06 0.00	24.39 -0.03 0.00	26.59 0.06 0.00	33.41 0.09 0.00	27.00 0.02 0.00	26.02 -0.11 0.00	29.68 0.29 0.00	32.80 0.34 0.00	39.81 0.01 0.00	37.95 -0.39 0.00	34.76 -0.65 0.00	36.45 -0.74 0.00	40.08 -0.91 0.00	42.26 -1.28 0.00	42.18 -1.14 0.00	42.34 -0.90 0.00	41.59 -0.79 0.00	37.77 -0.58 0.00	31.48 -0.72 0.00	29.61 -0.77 0.00	34.96 -0.08 0.00	33.69 0.54 0.00
MARSHVLE_115KV_TB1 80742	31.74 1.96 0.00	32.82 1.96 0.00	30.48 1.72 0.00	25.82 1.41 0.00	28.12 1.60 0.00	35.35 2.03 0.00	28.58 1.60 0.00	27.69 1.56 0.00	31.17 1.78 0.00	34.52 2.06 0.00	42.26 2.46 0.00	40.37 2.03 0.00	37.04 1.63 0.00	39.01 1.81 0.00	43.27 2.28 0.00	46.34 2.80 0.00	46.38 3.06 0.00	46.51 3.28 0.00	45.85 3.48 0.00	42.22 3.31 -0.56	34.91 2.71 0.00	32.84 2.46 0.00	37.88 2.85 0.00	35.70 2.56 0.00
MARSH_HILL_WT_PWR 323713	30.48 0.71 0.00	31.55 0.68 0.00	29.36 0.60 0.00	24.73 0.32 0.00	26.92 0.39 0.00	33.91 0.60 0.00	27.24 0.26 0.00	26.44 0.32 0.00	29.56 0.16 0.00	33.07 0.61 0.00	41.14 1.34 0.00	39.93 1.58 0.00	36.67 1.26 0.00	38.67 1.48 0.00	42.60 1.56 -0.04	45.23 1.68 -0.02	45.08 1.71 -0.05	45.15 1.91 0.00	44.59 2.22 0.00	40.39 2.04 0.00	33.74 1.54 0.00	31.79 1.42 0.00	36.85 1.81 0.00	34.34 1.20 0.00
MCINTYRE_115KV_TB2 80467	30.19 0.41 0.00	31.18 0.32 0.00	29.02 0.27 0.00	24.63 0.22 0.00	26.84 0.31 0.00	33.58 0.26 0.00	27.16 0.19 0.00	26.19 0.06 0.00	29.69 0.30 0.00	32.70 0.24 0.00	38.70 -1.10 0.00	36.72 -1.62 0.00	33.88 -1.54 0.00	35.51 -1.68 0.00	39.13 -1.86 0.00	41.78 -1.76 0.00	41.69 -1.64 0.00	41.98 -1.26 0.00	41.29 -1.08 0.00	37.81 -0.54 0.00	31.79 -0.41 0.00	29.99 -0.39 0.00	35.35 0.31 0.00	33.70 0.56 0.00
MECO_____69_KV_BK1 80468	33.46 3.69 0.00	34.54 3.68 0.00	32.06 3.30 0.00	27.13 2.72 0.00	29.51 2.99 0.00	37.11 3.79 0.00	30.04 3.07 0.00	29.18 3.06 0.00	32.88 3.48 0.00	35.96 3.50 0.00	44.03 4.23 0.00	40.69 2.34 0.00	36.02 0.61 0.00	38.23 1.03 0.00	43.47 2.47 0.00	48.13 4.60 0.00	48.38 5.06 0.00	48.69 5.45 0.00	48.63 6.26 0.00	45.03 6.06 -0.62	37.23 5.03 0.00	34.96 4.58 0.00	40.13 5.09 0.00	37.62 4.48 0.00
MENANDS___115KV_TB5 355628	30.59 0.81 0.00	31.76 0.89 0.00	29.59 0.83 0.00	25.11 0.69 0.00	27.27 0.74 0.00	34.31 1.00 0.00	27.84 0.86 0.00	26.98 0.86 0.00	30.24 0.85 0.00	33.46 0.94 -0.05	40.95 1.15 -0.01	39.55 1.21 0.00	36.51 1.09 0.00	38.43 1.23 0.00	42.48 1.48 0.00	45.01 1.48 0.00	44.75 1.42 0.00	44.72 1.48 0.00	43.74 1.37 0.00	40.38 1.10 -0.92	33.19 1.00 0.00	31.35 0.98 0.00	35.88 0.84 0.00	33.80 0.66 0.00
MG INDUSTRY___DRP 24185	30.59 0.82 0.00	31.81 0.94 0.00	29.63 0.87 0.00	25.15 0.73 0.00	27.31 0.79 0.00	34.37 1.06 0.00	27.86 0.88 0.00	26.95 0.83 0.00	30.21 0.81 0.00	33.37 0.87 -0.04	40.76 0.96 -0.01	39.28 0.93 0.00	36.23 0.82 0.00	38.08 0.89 0.00	42.04 1.05 0.00	44.60 1.07 0.00	44.44 1.11 0.00	44.44 1.20 0.00	43.52 1.15 0.00	40.08 0.96 -0.78	33.05 0.85 0.00	31.20 0.82 0.00	35.71 0.67 0.00	33.72 0.57 0.00



MID___OSWEGATCHIE_HYD 23849	30.13 0.36 0.00	30.96 0.10 0.00	28.79 0.03 0.00	24.39 -0.02 0.00	26.50 -0.02 0.00	33.14 -0.18 0.00	26.75 -0.22 0.00	25.84 -0.28 0.00	29.30 -0.09 0.00	32.41 -0.05 0.00	39.17 -0.63 0.00	37.75 -0.60 0.00	35.03 -0.39 0.00	36.84 -0.35 0.00	40.62 -0.44 -0.06	43.29 -0.27 -0.04	43.30 -0.10 -0.08	43.08 -0.16 0.00	42.31 -0.06 0.00	38.66 0.31 0.00	32.45 0.26 0.00	30.50 0.12 0.00	35.58 0.54 0.00	33.26 0.12 0.00
MID___RAQUETTE_HYD 23851	29.50 -0.28 0.00	30.45 -0.41 0.00	28.34 -0.42 0.00	24.03 -0.38 0.00	26.19 -0.33 0.00	32.78 -0.54 0.00	26.50 -0.48 0.00	25.59 -0.54 0.00	29.03 -0.37 0.00	32.07 -0.40 0.00	38.24 -1.56 0.00	36.38 -1.96 0.00	33.63 -1.79 0.00	35.23 -1.97 0.00	38.82 -2.21 -0.03	41.35 -2.20 -0.02	41.21 -2.15 -0.04	41.23 -2.01 0.00	40.51 -1.85 0.00	37.00 -1.35 0.00	31.02 -1.18 0.00	29.23 -1.15 0.00	34.49 -0.55 0.00	32.81 -0.34 0.00
MILLIKEN___1 23584	30.45 0.67 0.00	31.48 0.61 0.00	29.30 0.55 0.00	24.80 0.39 0.00	26.96 0.44 0.00	33.92 0.61 0.00	27.41 0.44 0.00	26.60 0.48 0.00	29.88 0.48 0.00	33.06 0.60 0.00	40.84 1.04 -0.01	39.54 1.19 0.00	36.58 1.16 0.00	38.52 1.32 0.00	42.69 1.59 -0.11	45.38 1.77 -0.07	45.27 1.80 -0.14	44.95 1.71 0.00	44.18 1.81 0.00	40.03 1.68 0.00	33.60 1.40 0.00	31.65 1.28 0.00	36.38 1.34 0.00	34.06 0.91 0.00
MILLIKEN___2 23585	30.45 0.67 0.00	31.48 0.61 0.00	29.30 0.55 0.00	24.80 0.39 0.00	26.96 0.44 0.00	33.92 0.61 0.00	27.41 0.44 0.00	26.60 0.48 0.00	29.88 0.48 0.00	33.06 0.60 0.00	40.84 1.04 -0.01	39.54 1.19 0.00	36.58 1.16 0.00	38.52 1.32 0.00	42.69 1.59 -0.11	45.38 1.77 -0.07	45.27 1.80 -0.14	44.95 1.71 0.00	44.18 1.81 0.00	40.03 1.68 0.00	33.60 1.40 0.00	31.65 1.28 0.00	36.38 1.34 0.00	34.06 0.91 0.00
MILLIKEN___DIESEL 23629	30.45 0.67 0.00	31.48 0.61 0.00	29.30 0.55 0.00	24.80 0.39 0.00	26.96 0.44 0.00	33.92 0.61 0.00	27.41 0.44 0.00	26.60 0.48 0.00	29.88 0.48 0.00	33.06 0.60 0.00	40.84 1.04 -0.01	39.54 1.19 0.00	36.58 1.16 0.00	38.52 1.32 0.00	42.69 1.59 -0.11	45.38 1.77 -0.07	45.27 1.80 -0.14	44.95 1.71 0.00	44.18 1.81 0.00	40.03 1.68 0.00	33.60 1.40 0.00	31.65 1.28 0.00	36.38 1.34 0.00	34.06 0.91 0.00
MILLSEAT___LFGE 323607	30.14 0.36 0.00	31.05 0.18 0.00	28.93 0.17 0.00	24.19 -0.22 0.00	26.40 -0.13 0.00	33.21 -0.10 0.00	26.61 -0.37 0.00	25.68 -0.45 0.00	28.60 -0.79 0.00	32.04 -0.43 0.00	40.31 0.51 0.00	39.12 0.77 0.00	35.84 0.42 0.00	37.61 0.42 0.00	41.38 0.38 0.00	44.11 0.58 0.00	44.32 0.99 0.00	44.43 1.19 0.00	44.02 1.65 0.00	39.94 1.60 0.00	33.28 1.09 0.00	31.53 1.15 0.00	36.53 1.49 0.00	34.02 0.88 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	31.30 1.52 0.00	32.35 1.48 0.00	30.15 1.39 0.00	25.72 1.31 0.00	27.84 1.31 0.00	34.87 1.55 0.00	28.34 1.37 0.00	27.61 1.49 0.00	31.03 1.64 0.00	34.67 1.88 -0.33	42.50 2.62 -0.08	41.41 3.07 0.00	38.38 2.96 0.00	40.37 3.17 0.00	44.49 3.49 0.00	47.11 3.57 0.00	48.10 3.51 -1.26	46.49 3.25 0.00	45.25 2.88 0.00	44.92 2.10 -4.47	34.05 1.84 -0.01	32.12 1.75 0.00	36.80 1.76 0.00	34.62 1.48 0.00
MILLWOOD_13_KV_LOAD 356217	31.42 1.64 0.00	32.46 1.60 0.00	30.24 1.48 0.00	25.80 1.39 0.00	27.93 1.41 0.00	34.99 1.67 0.00	28.44 1.46 0.00	27.70 1.58 0.00	31.15 1.75 0.00	34.81 2.02 -0.33	42.67 2.79 -0.08	41.60 3.25 0.00	38.56 3.15 0.00	40.56 3.36 0.00	44.70 3.71 0.00	47.36 3.82 0.00	48.35 3.76 -1.26	46.72 3.47 0.00	45.45 3.08 0.00	45.08 2.27 -4.47	34.18 1.97 -0.01	32.24 1.87 0.00	36.94 1.90 0.00	34.74 1.60 0.00
MODEL_CITY_ENERGY 24167	29.27 -0.51 0.00	30.17 -0.69 0.00	28.14 -0.62 0.00	23.51 -0.90 0.00	25.68 -0.84 0.00	32.31 -1.00 0.00	25.85 -1.13 0.00	24.87 -1.25 0.00	27.62 -1.77 0.00	30.99 -1.47 0.00	39.01 -0.79 0.00	37.78 -0.57 0.00	34.54 -0.87 0.00	36.27 -0.93 0.00	39.95 -1.05 0.00	42.66 -0.87 0.00	42.84 -0.48 0.00	42.97 -0.26 0.00	42.65 0.28 0.00	38.68 0.33 0.00	32.13 -0.06 0.00	30.46 0.08 0.00	35.37 0.33 0.00	32.98 -0.16 0.00
MODERN_LFGE___ 323580	29.27 -0.51 0.00	30.17 -0.69 0.00	28.14 -0.62 0.00	23.51 -0.90 0.00	25.68 -0.84 0.00	32.31 -1.00 0.00	25.85 -1.13 0.00	24.87 -1.25 0.00	27.62 -1.77 0.00	30.99 -1.47 0.00	39.01 -0.79 0.00	37.78 -0.57 0.00	34.54 -0.87 0.00	36.27 -0.93 0.00	39.95 -1.05 0.00	42.66 -0.87 0.00	42.84 -0.48 0.00	42.97 -0.26 0.00	42.65 0.28 0.00	38.68 0.33 0.00	32.13 -0.06 0.00	30.46 0.08 0.00	35.37 0.33 0.00	32.98 -0.16 0.00
MOHAWK_PAPER___DRP 24187	30.82 1.05 0.00	31.99 1.13 0.00	29.80 1.04 0.00	25.28 0.87 0.00	27.45 0.93 0.00	34.55 1.23 0.00	28.03 1.05 0.00	27.17 1.05 0.00	30.46 1.06 0.00	33.70 1.19 -0.05	41.27 1.46 -0.01	39.85 1.50 0.00	36.75 1.34 0.00	38.69 1.49 0.00	42.78 1.78 0.00	45.37 1.84 0.00	45.14 1.81 0.00	45.14 1.90 0.00	44.16 1.79 0.00	40.78 1.51 -0.92	33.52 1.33 0.00	31.66 1.28 0.00	36.23 1.19 0.00	34.11 0.96 0.00
MOHICAN___35_KV_115KV_LD 80490	32.66 2.88 0.00	33.98 3.11 0.00	31.64 2.88 0.00	26.64 2.23 0.00	29.04 2.52 0.00	36.79 3.47 0.00	29.86 2.88 0.00	28.94 2.82 0.00	32.62 3.23 0.00	36.09 3.58 -0.05	43.93 4.12 -0.01	42.14 3.79 0.00	38.40 2.98 0.00	40.41 3.22 0.00	44.85 3.86 0.00	47.70 4.17 0.00	47.90 4.58 0.00	47.99 4.75 0.00	47.05 4.68 0.00	43.54 4.32 -0.87	35.88 3.68 0.00	33.90 3.52 0.00	38.78 3.74 0.00	36.30 3.16 0.00
MONGAUP___HYD 23641	31.32 1.54 0.00	32.49 1.62 0.00	30.30 1.55 0.00	25.80 1.38 0.00	27.95 1.43 0.00	35.05 1.73 0.00	28.46 1.48 0.00	27.67 1.54 0.00	31.03 1.63 0.00	33.78 1.58 0.26	41.95 2.22 0.06	40.84 2.49 0.00	37.80 2.38 0.00	39.76 2.57 0.00	44.40 3.41 0.00	46.84 3.30 0.00	46.27 3.17 0.21	46.29 3.05 0.00	45.08 2.71 0.00	36.68 2.14 3.81	34.23 2.05 0.01	32.28 1.90 0.00	37.04 2.00 0.00	34.97 1.83 0.00
MONTAUK___DIESEL 23721	31.40 1.62 0.00	32.35 1.49 0.00	30.26 1.50 0.00	26.11 1.70 0.00	28.22 1.70 0.00	35.36 2.04 0.00	28.80 1.83 0.00	28.62 2.49 0.00	32.25 2.86 0.00	36.19 3.42 -0.30	60.79 5.08 -15.90	45.31 5.12 -1.84	47.17 4.70 -7.06	41.84 4.65 0.00	46.03 5.04 0.00	125.20 5.52 -76.15	255.21 5.70 -206.19	236.97 5.07 -188.66	148.73 4.31 -102.04	45.39 2.74 -4.30	44.11 2.86 -9.05	32.72 2.35 0.00	37.33 2.30 0.00	34.96 1.82 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	30.73 0.96 0.00	31.63 0.77 0.00	29.41 0.65 0.00	24.67 0.25 0.00	26.92 0.40 0.00	33.90 0.58 0.00	27.13 0.16 0.00	26.38 0.26 0.00	29.39 0.00 0.00	32.97 0.51 0.00	41.37 1.57 0.00	40.16 1.82 0.00	36.75 1.34 0.00	38.73 1.53 0.00	42.62 1.63 0.00	45.51 1.97 0.00	45.45 2.13 0.00	45.26 2.02 0.00	45.10 2.73 0.00	40.91 2.56 0.00	33.99 1.79 0.00	32.13 1.76 0.00	37.13 2.09 0.00	34.35 1.20 0.00



MORTIMER_115KV_TB3 55949	29.99 0.21 0.00	30.95 0.08 0.00	28.82 0.06 0.00	24.23 -0.18 0.00	26.39 -0.13 0.00	33.20 -0.12 0.00	26.69 -0.28 0.00	25.80 -0.32 0.00	28.86 -0.53 0.00	32.23 -0.23 0.00	40.25 0.45 0.00	39.06 0.72 0.00	35.88 0.47 0.00	37.67 0.48 0.00	41.48 0.48 0.00	44.22 0.69 0.00	44.31 0.99 0.00	44.33 1.09 0.00	43.76 1.40 0.00	39.61 1.27 0.00	33.01 0.82 0.00	31.21 0.84 0.00	36.00 0.96 0.00	33.63 0.49 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	31.58 1.80 0.00	32.61 1.75 0.00	30.39 1.63 0.00	25.94 1.53 0.00	28.06 1.53 0.00	35.12 1.81 0.00	28.56 1.58 0.00	27.83 1.70 0.00	31.31 1.91 0.00	34.97 2.21 -0.30	42.94 3.07 -0.07	41.87 3.53 0.00	38.81 3.39 0.00	40.79 3.60 0.00	44.90 3.90 0.00	47.52 3.99 0.00	47.46 3.92 -0.22	46.85 3.61 0.00	45.58 3.21 0.00	45.03 2.39 -4.29	34.31 2.10 -0.01	32.38 2.00 0.00	37.09 2.05 0.00	34.89 1.75 0.00
MUNSVILLE_WIND_PWR 323609	32.26 2.49 0.00	33.33 2.47 0.00	31.02 2.26 0.00	26.26 1.84 0.00	28.55 2.03 0.00	35.97 2.65 0.00	29.07 2.10 0.00	28.25 2.13 0.00	31.68 2.29 0.00	34.97 2.51 0.00	43.23 3.43 -0.01	41.53 3.18 0.00	38.42 3.00 0.00	40.93 3.74 0.00	45.37 4.30 -0.07	48.43 4.85 -0.05	48.38 4.97 -0.09	48.23 4.99 0.00	47.48 5.11 0.00	42.98 4.62 0.00	36.02 3.82 0.00	33.86 3.49 0.00	38.85 3.81 0.00	36.29 3.15 0.00
N SALMON___HYD 24042	30.07 0.30 0.00	31.09 0.23 0.00	28.89 0.13 0.00	24.46 0.05 0.00	26.67 0.14 0.00	33.42 0.11 0.00	27.05 0.07 0.00	26.10 -0.02 0.00	29.75 0.35 0.00	32.89 0.42 0.00	39.77 -0.03 0.00	37.86 -0.49 0.00	34.77 -0.65 0.00	36.43 -0.76 0.00	40.09 -0.91 0.00	42.41 -1.12 0.00	42.32 -1.00 0.00	42.50 -0.74 0.00	41.81 -0.56 0.00	38.04 -0.31 0.00	31.72 -0.47 0.00	29.83 -0.55 0.00	35.11 0.08 0.00	33.71 0.57 0.00
N.AKRON___115KV_KNAPP 355671	30.01 0.22 0.00	30.90 0.04 0.00	28.81 0.05 0.00	24.08 -0.33 0.00	26.29 -0.24 0.00	33.08 -0.24 0.00	26.47 -0.50 0.00	25.54 -0.59 0.00	28.43 -0.97 0.00	31.88 -0.59 0.00	40.16 0.37 0.00	38.90 0.55 0.00	35.62 0.21 0.00	37.39 0.20 0.00	41.13 0.13 0.00	43.91 0.37 0.00	44.06 0.74 0.00	44.18 0.94 0.00	43.81 1.45 0.00	39.75 1.40 0.00	33.08 0.89 0.00	31.36 0.98 0.00	36.38 1.34 0.00	33.89 0.74 0.00
N.BELMOR_69_KV_BK1 55787	31.81 2.04 0.00	32.89 2.03 0.00	30.65 1.89 0.00	26.19 1.78 0.00	28.36 1.84 0.00	35.55 2.23 0.00	28.84 1.86 0.00	28.10 1.97 0.00	31.69 2.29 0.00	35.47 2.71 -0.30	59.44 3.74 -15.90	44.40 4.21 -1.84	46.47 4.00 -7.06	41.26 4.06 0.00	45.42 4.42 0.00	79.99 4.73 -31.72	79.87 4.68 -31.87	57.99 4.25 -10.50	45.99 3.63 0.00	45.07 2.42 -4.30	34.34 2.14 -0.01	32.46 2.09 0.00	37.25 2.22 0.00	34.95 1.81 0.00
N.E_GEN_SANDY PD 24062	31.00 1.23 0.00	33.51 1.30 -1.35	30.14 1.22 -0.16	37.96 1.02 -12.53	34.87 1.06 -7.28	36.73 1.42 -1.99	30.06 1.24 -1.84	27.38 1.26 0.00	30.72 1.33 0.00	34.02 1.47 -0.09	41.69 1.87 -0.02	40.40 2.05 0.00	37.32 1.90 0.00	39.22 2.03 0.00	43.34 2.34 0.00	45.87 2.33 0.00	45.66 2.26 -0.07	45.56 2.32 0.00	43.71 2.14 0.80	41.96 1.69 -1.92	33.69 1.49 -0.01	32.33 1.46 -0.49	35.07 1.36 1.32	34.24 1.10 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	31.18 1.40 0.00	32.23 1.36 0.00	30.03 1.27 0.00	25.66 1.25 0.00	27.79 1.27 0.00	34.74 1.42 0.00	28.25 1.27 0.00	27.54 1.42 0.00	30.92 1.53 0.00	33.75 1.73 0.44	42.12 2.43 0.11	41.27 2.93 0.00	38.28 2.86 0.00	40.30 3.11 0.00	44.45 3.46 0.00	47.07 3.54 0.00	46.45 3.46 0.33	46.43 3.19 0.00	45.17 2.80 0.00	35.10 2.00 5.25	33.93 1.75 0.02	32.03 1.65 0.00	36.69 1.66 0.00	34.56 1.42 0.00
N.QUEENS_27_KV_LOAD 356247	31.73 1.96 0.00	32.67 1.81 0.00	30.48 1.73 0.00	26.03 1.62 0.00	28.13 1.61 0.00	35.14 1.83 0.00	28.65 1.68 0.00	27.93 1.81 0.00	31.39 2.00 0.00	35.05 2.29 -0.30	43.02 3.15 -0.07	41.95 3.60 0.00	38.89 3.48 0.00	40.81 3.61 0.00	45.03 4.04 0.01	47.71 4.19 0.01	47.67 4.12 -0.22	47.02 3.77 -0.01	45.68 3.30 -0.01	45.12 2.47 -4.30	34.46 2.25 -0.02	32.47 2.10 0.00	37.25 2.21 0.00	35.02 1.88 0.00
N.TROY___115KV_TB1 355778	31.13 1.35 0.00	32.33 1.47 0.00	30.12 1.36 0.00	25.51 1.09 0.00	27.72 1.20 0.00	34.95 1.64 0.00	28.36 1.38 0.00	27.47 1.35 0.00	30.82 1.42 0.00	34.08 1.57 -0.05	41.68 1.87 -0.01	40.21 1.87 0.00	37.02 1.61 0.00	38.92 1.72 0.00	43.05 2.06 0.00	45.62 2.09 0.00	45.44 2.12 0.00	45.50 2.26 0.00	44.54 2.17 0.00	41.19 1.89 -0.95	33.87 1.67 0.00	32.00 1.62 0.00	36.63 1.59 0.00	34.46 1.32 0.00
NARROWS_GT1_1 24228	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT1_2 24229	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT1_3 24230	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT1_4 24231	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT1_5 24232	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55



NARROWS_GT1_6 24233	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT1_7 24234	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT1_8 24235	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT2_1 24236	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT2_2 24237	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT2_3 24238	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT2_4 24239	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT2_5 24240	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT2_6 24241	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT2_7 24242	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NARROWS_GT2_8 24243	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.17 3.29 -0.07	43.75 3.75 -1.65	70.14 3.66 -31.06	179.83 3.89 -138.74	68.97 4.13 -23.84	73.28 4.20 -25.56	70.47 4.05 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	31.41 1.63 0.00	32.61 1.75 0.00	30.36 1.60 0.00	25.69 1.28 0.00	27.92 1.40 0.00	35.18 1.86 0.00	28.48 1.50 0.00	27.55 1.43 0.00	30.94 1.55 0.00	34.17 1.71 0.00	41.60 1.81 0.00	39.89 1.55 0.00	36.83 1.41 0.00	38.71 1.51 0.00	42.70 1.70 0.00	45.36 1.83 0.00	45.49 2.16 0.00	45.71 2.48 0.00	44.90 2.53 0.00	41.14 2.25 -0.54	34.09 1.89 0.00	32.15 1.78 0.00	36.70 1.66 0.00	34.58 1.44 0.00
NCHELSEA_115KV_TR2 355582	31.53 1.75 0.00	32.58 1.71 0.00	30.35 1.60 0.00	25.86 1.44 0.00	27.99 1.47 0.00	35.11 1.79 0.00	28.53 1.55 0.00	27.78 1.65 0.00	31.24 1.84 0.00	34.60 2.13 0.00	42.75 2.95 0.00	41.73 3.39 0.00	38.69 3.28 0.00	40.74 3.54 0.00	44.97 3.98 0.00	47.67 4.13 0.00	47.39 4.07 0.00	47.04 3.81 0.00	45.81 3.44 0.00	41.72 2.63 -0.74	34.44 2.25 0.00	32.50 2.12 0.00	37.21 2.17 0.00	34.95 1.81 0.00
NEG CAPITAL____MECHNVIL 23645	31.95 2.18 0.00	33.18 2.32 0.00	30.89 2.13 0.00	26.12 1.70 0.00	28.40 1.88 0.00	35.85 2.53 0.00	29.09 2.11 0.00	28.19 2.07 0.00	31.71 2.32 0.00	35.10 2.59 -0.05	42.90 3.09 -0.01	41.30 2.95 0.00	37.94 2.52 0.00	39.90 2.71 0.00	44.22 3.23 0.00	46.99 3.45 0.00	46.96 3.64 0.00	47.03 3.79 0.00	46.08 3.71 0.00	42.59 3.33 -0.91	35.04 2.85 0.00	33.09 2.71 0.00	37.85 2.81 0.00	35.51 2.37 0.00
NEG CENTRAL_HIGH_ACRES 23767	29.52 -0.26 0.00	30.48 -0.39 0.00	28.37 -0.39 0.00	23.89 -0.53 0.00	26.00 -0.52 0.00	32.71 -0.60 0.00	26.33 -0.65 0.00	25.49 -0.63 0.00	28.55 -0.85 0.00	31.85 -0.61 0.00	39.66 -0.14 0.00	38.52 0.17 0.00	35.44 0.02 0.00	37.20 0.01 0.00	40.97 -0.03 0.00	43.63 0.10 0.00	43.67 0.34 0.00	43.67 0.43 0.00	43.05 0.68 0.00	38.97 0.62 0.00	32.54 0.34 0.00	30.72 0.34 0.00	35.37 0.34 0.00	33.06 -0.08 0.00



NEG CENTRAL___DRP 24199	30.14 0.36 0.00	31.14 0.27 0.00	28.98 0.22 0.00	24.46 0.05 0.00	26.62 0.10 0.00	33.48 0.16 0.00	27.02 0.04 0.00	26.23 0.10 0.00	29.40 0.00 0.00	32.66 0.20 0.00	40.44 0.64 -0.01	39.25 0.91 0.00	36.26 0.85 0.00	38.07 0.87 0.00	42.17 1.07 -0.11	44.82 1.22 -0.07	44.71 1.24 -0.15	44.51 1.27 0.00	43.83 1.46 0.00	39.70 1.36 0.00	33.33 1.13 0.00	31.40 1.03 0.00	36.07 1.03 0.00	33.76 0.62 0.00
NEG CENTRAL___INDECK 23768	30.87 1.10 0.00	32.11 1.25 0.00	29.87 1.11 0.00	25.12 0.70 0.00	27.35 0.83 0.00	34.43 1.12 0.00	27.67 0.70 0.00	26.80 0.67 0.00	29.87 0.48 0.00	33.32 0.86 0.00	41.44 1.65 0.00	40.11 1.76 0.00	36.36 0.95 0.00	37.93 0.73 0.00	41.50 0.50 0.00	44.21 0.68 0.00	44.06 0.74 0.00	44.36 1.12 0.00	44.01 1.64 0.00	39.97 1.62 0.00	33.57 1.38 0.00	31.75 1.37 0.00	37.28 2.24 0.00	35.04 1.89 0.00
NEG CENTRAL___SENECA 23627	30.30 0.53 0.00	31.29 0.43 0.00	29.12 0.36 0.00	24.57 0.15 0.00	26.73 0.21 0.00	33.62 0.30 0.00	27.11 0.13 0.00	26.33 0.21 0.00	29.48 0.08 0.00	32.82 0.36 0.00	40.68 0.87 0.00	39.51 1.17 0.00	36.49 1.08 0.00	38.28 1.09 0.00	42.40 1.35 -0.06	45.09 1.52 -0.04	44.92 1.52 -0.08	44.84 1.60 0.00	44.24 1.87 0.00	40.09 1.73 0.00	33.65 1.45 0.00	31.69 1.32 0.00	36.39 1.35 0.00	34.04 0.89 0.00
NEG CENTRAL___STATE_STREET 24147	30.17 0.39 0.00	31.19 0.33 0.00	29.05 0.28 0.00	24.51 0.09 0.00	26.72 0.20 0.00	33.61 0.29 0.00	27.13 0.15 0.00	26.33 0.20 0.00	29.58 0.18 0.00	32.69 0.22 0.00	40.51 0.70 -0.01	39.24 0.89 0.00	36.26 0.84 0.00	38.08 0.89 0.00	42.22 1.07 -0.15	44.85 1.23 -0.10	44.78 1.27 -0.19	44.36 1.12 0.00	43.58 1.21 0.00	39.53 1.19 0.00	33.20 1.01 0.00	31.22 0.85 0.00	35.94 0.90 0.00	33.62 0.48 0.00
NEG MILLWOOD___DRP 24198	31.68 1.90 0.00	32.72 1.85 0.00	30.48 1.72 0.00	25.96 1.55 0.00	28.10 1.58 0.00	35.24 1.93 0.00	28.63 1.66 0.00	27.90 1.77 0.00	31.40 2.01 0.00	34.90 2.34 -0.10	43.07 3.24 -0.02	42.06 3.71 0.00	39.00 3.59 0.00	41.06 3.86 0.00	45.28 4.29 0.00	48.01 4.47 0.00	47.77 4.37 0.00	47.30 4.06 0.00	46.03 3.67 0.00	43.29 2.80 -2.13	34.59 2.39 -0.01	32.63 2.26 0.00	37.35 2.31 0.00	35.06 1.92 0.00
NEG NORTH_FLCN_SEA 23793	30.34 0.56 0.00	31.42 0.56 0.00	29.21 0.45 0.00	24.66 0.25 0.00	26.93 0.40 0.00	33.99 0.67 0.00	27.40 0.42 0.00	26.32 0.19 0.00	30.13 0.74 0.00	33.31 0.85 0.00	40.49 0.70 0.00	38.66 0.32 0.00	35.26 -0.16 0.00	37.02 -0.18 0.00	40.76 -0.24 0.00	42.70 -0.83 0.00	42.70 -0.63 0.00	42.90 -0.34 0.00	42.14 -0.23 0.00	38.19 -0.17 0.00	32.04 -0.15 0.00	30.20 -0.17 0.00	35.88 0.84 0.00	34.47 1.33 0.00
NEG NORTH_KES_CHATEGAY 23792	29.89 0.12 0.00	30.95 0.09 0.00	28.74 -0.02 0.00	24.35 -0.06 0.00	26.55 0.03 0.00	33.30 -0.02 0.00	26.94 -0.04 0.00	25.96 -0.16 0.00	29.59 0.19 0.00	32.66 0.19 0.00	39.57 -0.22 0.00	37.69 -0.66 0.00	34.57 -0.84 0.00	36.22 -0.98 0.00	39.81 -1.18 0.00	42.05 -1.48 0.00	41.94 -1.38 0.00	42.17 -1.07 0.00	41.46 -0.91 0.00	37.72 -0.63 0.00	31.40 -0.79 0.00	29.54 -0.84 0.00	34.81 -0.23 0.00	33.56 0.42 0.00
NEG NORTH___ALICE_FALLS 23915	30.41 0.64 0.00	31.49 0.63 0.00	29.28 0.53 0.00	24.70 0.29 0.00	26.99 0.47 0.00	34.07 0.76 0.00	27.52 0.54 0.00	26.45 0.33 0.00	30.28 0.89 0.00	33.48 1.02 0.00	40.70 0.90 0.00	38.87 0.52 0.00	35.44 0.03 0.00	37.21 0.01 0.00	40.99 -0.01 0.00	43.05 -0.48 0.00	42.97 -0.35 0.00	43.17 -0.07 0.00	42.45 0.08 0.00	38.45 0.10 0.00	32.16 -0.03 0.00	30.34 -0.03 0.00	35.96 0.92 0.00	34.58 1.44 0.00
NEG NORTH___LWR_SARANAC 23913	30.41 0.64 0.00	31.49 0.63 0.00	29.28 0.53 0.00	24.70 0.29 0.00	26.99 0.47 0.00	34.07 0.76 0.00	27.52 0.54 0.00	26.45 0.33 0.00	30.28 0.89 0.00	33.48 1.02 0.00	40.70 0.90 0.00	38.87 0.52 0.00	35.44 0.03 0.00	37.21 0.01 0.00	40.99 -0.01 0.00	43.05 -0.48 0.00	42.97 -0.35 0.00	43.17 -0.07 0.00	42.45 0.08 0.00	38.45 0.10 0.00	32.16 -0.03 0.00	30.34 -0.03 0.00	35.96 0.92 0.00	34.58 1.44 0.00
NEG NORTH___PLATTSBURG 23628	30.41 0.64 0.00	31.49 0.63 0.00	29.28 0.53 0.00	24.70 0.29 0.00	26.99 0.47 0.00	34.07 0.76 0.00	27.52 0.54 0.00	26.45 0.33 0.00	30.28 0.89 0.00	33.48 1.02 0.00	40.70 0.90 0.00	38.87 0.52 0.00	35.44 0.02 0.00	37.21 0.01 0.00	40.99 -0.01 0.00	43.05 -0.48 0.00	42.97 -0.35 0.00	43.17 -0.07 0.00	42.45 0.08 0.00	38.45 0.10 0.00	32.16 -0.03 0.00	30.35 -0.03 0.00	35.96 0.92 0.00	34.58 1.44 0.00
NEG WEST_LEA_LOCKPORT 23791	29.36 -0.42 0.00	30.27 -0.60 0.00	28.22 -0.54 0.00	23.58 -0.84 0.00	25.76 -0.77 0.00	32.41 -0.91 0.00	25.91 -1.07 0.00	24.96 -1.17 0.00	27.74 -1.66 0.00	31.12 -1.34 0.00	39.21 -0.59 0.00	37.95 -0.39 0.00	34.70 -0.71 0.00	36.45 -0.74 0.00	40.14 -0.86 0.00	42.85 -0.68 0.00	42.98 -0.34 0.00	43.10 -0.14 0.00	42.81 0.44 0.00	38.81 0.46 0.00	32.30 0.10 0.00	30.65 0.27 0.00	35.68 0.64 0.00	33.31 0.16 0.00
NEG WEST___LANCASTR 23811	29.71 -0.06 0.00	30.66 -0.21 0.00	28.56 -0.21 0.00	23.96 -0.46 0.00	26.13 -0.40 0.00	32.89 -0.43 0.00	26.32 -0.66 0.00	25.48 -0.64 0.00	28.44 -0.96 0.00	31.91 -0.56 0.00	39.99 0.20 0.00	38.73 0.38 0.00	35.44 0.03 0.00	37.35 0.16 0.00	41.11 0.11 0.00	43.87 0.34 0.00	43.90 0.58 0.00	43.93 0.69 0.00	43.56 1.19 0.00	39.45 1.10 0.00	32.78 0.58 0.00	31.02 0.64 0.00	35.92 0.88 0.00	33.41 0.27 0.00
NEG_PENN_ALLEGHNY 23528	30.05 0.27 0.00	31.08 0.22 0.00	28.95 0.18 0.00	24.52 0.11 0.00	26.66 0.13 0.00	33.54 0.22 0.00	27.07 0.10 0.00	26.30 0.18 0.00	29.51 0.12 0.00	32.78 0.32 0.00	40.51 0.70 -0.01	39.33 0.98 0.00	36.29 0.88 0.00	38.28 1.09 0.00	42.22 1.16 -0.07	44.81 1.23 -0.04	44.69 1.28 -0.09	44.46 1.22 0.00	43.70 1.34 0.00	39.46 1.12 0.00	33.03 0.84 0.00	31.17 0.79 0.00	35.88 0.84 0.00	33.58 0.44 0.00
NEG___GEN_MONROE 24207	30.23 0.46 0.00	31.18 0.31 0.00	29.03 0.27 0.00	24.38 -0.03 0.00	26.57 0.05 0.00	33.42 0.11 0.00	26.86 -0.12 0.00	25.96 -0.17 0.00	29.03 -0.37 0.00	32.41 -0.05 0.00	40.55 0.76 0.00	39.37 1.03 0.00	36.16 0.74 0.00	37.96 0.77 0.00	41.77 0.77 0.00	44.51 0.98 0.00	44.64 1.32 0.00	44.69 1.45 0.00	44.17 1.80 0.00	39.99 1.64 0.00	33.34 1.14 0.00	31.53 1.16 0.00	36.36 1.33 0.00	33.95 0.81 0.00
NEPA___ENERGY 23901	29.69 -0.08 0.00	30.61 -0.25 0.00	28.49 -0.27 0.00	23.97 -0.45 0.00	26.14 -0.38 0.00	32.92 -0.40 0.00	26.35 -0.62 0.00	25.66 -0.47 0.00	28.62 -0.77 0.00	32.11 -0.35 0.00	40.22 0.42 0.00	39.11 0.76 0.00	35.81 0.40 0.00	37.87 0.68 0.00	41.69 0.69 0.00	44.40 0.87 0.00	44.32 0.99 0.00	44.22 0.98 0.00	43.88 1.51 0.00	39.68 1.33 0.00	33.00 0.80 0.00	31.20 0.82 0.00	36.10 1.06 0.00	33.44 0.30 0.00



NEVERSINK___HYD 23608	30.73 0.96 0.00	31.73 0.87 0.00	29.57 0.81 0.00	25.19 0.77 0.00	27.28 0.76 0.00	34.19 0.87 0.00	27.77 0.79 0.00	27.03 0.91 0.00	30.40 1.01 0.00	33.58 1.18 0.06	41.61 1.83 0.02	40.58 2.24 0.00	37.64 2.23 0.00	39.67 2.48 0.00	43.84 2.84 0.00	46.56 3.02 0.00	46.25 2.98 0.05	45.99 2.75 0.00	44.75 2.38 0.00	38.98 1.72 1.09	33.66 1.47 0.00	31.75 1.37 0.00	36.40 1.36 0.00	34.21 1.07 0.00
NEWKRMKL_115KV_TB1 55635	30.45 0.67 0.00	31.62 0.75 0.00	29.45 0.69 0.00	24.99 0.58 0.00	27.15 0.62 0.00	34.15 0.83 0.00	27.70 0.73 0.00	26.86 0.74 0.00	30.10 0.70 0.00	33.30 0.79 -0.05	40.78 0.97 -0.01	39.37 1.03 0.00	36.35 0.94 0.00	38.27 1.08 0.00	42.29 1.30 0.00	44.84 1.31 0.00	44.57 1.24 0.00	44.52 1.28 0.00	43.53 1.16 0.00	40.17 0.92 -0.90	33.04 0.84 0.00	31.19 0.82 0.00	35.71 0.67 0.00	33.65 0.51 0.00
NEWTON___FALLS_HYD 23847	30.13 0.36 0.00	30.96 0.10 0.00	28.79 0.03 0.00	24.39 -0.02 0.00	26.50 -0.02 0.00	33.14 -0.18 0.00	26.75 -0.22 0.00	25.84 -0.28 0.00	29.30 -0.09 0.00	32.41 -0.05 0.00	39.17 -0.63 0.00	37.75 -0.60 0.00	35.03 -0.39 0.00	36.84 -0.35 0.00	40.62 -0.44 -0.06	43.29 -0.27 -0.04	43.30 -0.10 -0.08	43.08 -0.16 0.00	42.31 -0.06 0.00	38.66 0.31 0.00	32.45 0.26 0.00	30.50 0.12 0.00	35.58 0.54 0.00	33.26 0.12 0.00
NGRID_A1_DSASP 323792	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.38 0.00	27.45 -1.94 0.00	30.80 -1.67 0.00	38.76 -1.04 0.00	37.58 -0.76 0.00	34.47 -0.95 0.00	36.19 -1.00 0.00	39.90 -1.10 0.00	42.49 -1.04 0.00	42.57 -0.75 0.00	42.71 -0.53 0.00	42.38 0.01 0.00	38.41 0.06 0.00	31.85 -0.34 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
NGRID_A2_DSASP 323793	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.38 0.00	27.45 -1.94 0.00	30.80 -1.67 0.00	38.76 -1.04 0.00	37.58 -0.76 0.00	34.47 -0.95 0.00	36.19 -1.00 0.00	39.90 -1.10 0.00	42.49 -1.04 0.00	42.57 -0.75 0.00	42.71 -0.53 0.00	42.38 0.01 0.00	38.41 0.06 0.00	31.85 -0.34 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
NGRID_A4_DSASP 323807	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.38 0.00	27.45 -1.94 0.00	30.80 -1.67 0.00	38.76 -1.04 0.00	37.58 -0.76 0.00	34.47 -0.95 0.00	36.19 -1.00 0.00	39.90 -1.10 0.00	42.49 -1.04 0.00	42.57 -0.75 0.00	42.71 -0.53 0.00	42.38 0.01 0.00	38.41 0.06 0.00	31.85 -0.34 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
NIAGARA_115E_LBMP 323715	29.16 -0.62 0.00	30.06 -0.80 0.00	28.04 -0.72 0.00	23.43 -0.98 0.00	25.60 -0.93 0.00	32.20 -1.11 0.00	25.74 -1.23 0.00	24.77 -1.35 0.00	27.49 -1.91 0.00	30.84 -1.62 0.00	38.82 -0.97 0.00	37.60 -0.75 0.00	34.37 -1.05 0.00	36.06 -1.13 0.00	39.74 -1.26 0.00	42.47 -1.07 0.00	42.65 -0.68 0.00	42.80 -0.44 0.00	42.47 0.10 0.00	38.50 0.15 0.00	31.97 -0.22 0.00	30.30 -0.08 0.00	35.16 0.12 0.00	32.80 -0.35 0.00
NIAGARA_115W_LBMP 323714	29.05 -0.72 0.00	29.98 -0.89 0.00	27.97 -0.79 0.00	23.36 -1.05 0.00	25.52 -1.00 0.00	32.11 -1.21 0.00	25.67 -1.31 0.00	24.69 -1.43 0.00	27.39 -2.01 0.00	30.73 -1.73 0.00	38.67 -1.12 0.00	37.51 -0.84 0.00	34.41 -1.00 0.00	36.13 -1.07 0.00	39.83 -1.17 0.00	42.41 -1.12 0.00	42.48 -0.84 0.00	42.62 -0.62 0.00	42.29 -0.08 0.00	38.32 -0.03 0.00	31.79 -0.41 0.00	30.14 -0.23 0.00	34.94 -0.09 0.00	32.60 -0.54 0.00
NIAGARA_230_LBMP 323716	29.23 -0.54 0.00	30.16 -0.70 0.00	28.14 -0.62 0.00	23.53 -0.89 0.00	25.69 -0.84 0.00	32.32 -1.00 0.00	25.85 -1.13 0.00	24.89 -1.23 0.00	27.64 -1.76 0.00	31.01 -1.45 0.00	38.95 -0.85 0.00	37.73 -0.61 0.00	34.50 -0.91 0.00	36.24 -0.96 0.00	39.96 -1.04 0.00	42.66 -0.87 0.00	42.82 -0.51 0.00	42.93 -0.31 0.00	42.58 0.21 0.00	38.59 0.24 0.00	32.02 -0.18 0.00	30.34 -0.03 0.00	35.18 0.14 0.00	32.82 -0.32 0.00
NIAGARA___115KV_198_GIBSON 55903	29.05 -0.72 0.00	29.98 -0.89 0.00	27.96 -0.79 0.00	23.36 -1.05 0.00	25.52 -1.00 0.00	32.11 -1.21 0.00	25.67 -1.31 0.00	24.68 -1.44 0.00	27.39 -2.01 0.00	30.72 -1.74 0.00	38.72 -1.08 0.00	37.50 -0.85 0.00	34.41 -1.01 0.00	36.13 -1.06 0.00	39.82 -1.18 0.00	42.43 -1.10 0.00	42.47 -0.86 0.00	42.62 -0.62 0.00	42.31 -0.06 0.00	38.33 -0.02 0.00	31.77 -0.43 0.00	30.14 -0.24 0.00	34.94 -0.09 0.00	32.60 -0.54 0.00
NIAGARA____ 23760	29.23 -0.54 0.00	30.16 -0.70 0.00	28.14 -0.62 0.00	23.53 -0.89 0.00	25.69 -0.84 0.00	32.32 -1.00 0.00	25.85 -1.13 0.00	24.89 -1.23 0.00	27.64 -1.76 0.00	31.01 -1.45 0.00	38.95 -0.85 0.00	37.73 -0.61 0.00	34.50 -0.91 0.00	36.24 -0.96 0.00	39.96 -1.04 0.00	42.66 -0.87 0.00	42.82 -0.51 0.00	42.93 -0.31 0.00	42.58 0.21 0.00	38.59 0.24 0.00	32.02 -0.18 0.00	30.34 -0.03 0.00	35.18 0.14 0.00	32.82 -0.32 0.00
NINE_MILE_1 23575	28.96 -0.82 0.00	29.99 -0.87 0.00	27.94 -0.82 0.00	23.67 -0.74 0.00	25.73 -0.80 0.00	32.33 -0.99 0.00	26.15 -0.82 0.00	25.33 -0.79 0.00	28.46 -0.94 0.00	31.52 -0.94 0.00	38.72 -0.99 0.08	37.54 -0.80 0.00	34.65 -0.76 0.00	36.43 -0.77 0.00	39.12 -0.87 1.00	41.99 -0.90 0.65	41.17 -0.85 1.30	42.42 -0.82 0.00	41.62 -0.75 0.00	37.65 -0.70 0.00	31.59 -0.61 0.00	29.81 -0.56 0.00	34.32 -0.72 0.00	32.30 -0.84 0.00
NINE_MILE_2 23744	28.96 -0.82 0.00	29.99 -0.87 0.00	27.94 -0.82 0.00	23.67 -0.74 0.00	25.73 -0.80 0.00	32.33 -0.99 0.00	26.15 -0.82 0.00	25.33 -0.79 0.00	28.46 -0.94 0.00	31.52 -0.94 0.00	38.72 -0.99 0.08	37.54 -0.80 0.00	34.65 -0.76 0.00	36.43 -0.77 0.00	39.11 -0.87 1.02	41.98 -0.90 0.66	41.15 -0.85 1.32	42.42 -0.82 0.00	41.62 -0.75 0.00	37.65 -0.70 0.00	31.59 -0.61 0.00	29.81 -0.56 0.00	34.32 -0.72 0.00	32.30 -0.84 0.00
NM_CAPITAL___DRP 24208	30.51 0.73 0.00	31.68 0.81 0.00	29.52 0.76 0.00	25.04 0.63 0.00	27.20 0.68 0.00	34.23 0.91 0.00	27.77 0.80 0.00	26.92 0.79 0.00	30.16 0.76 0.00	33.37 0.85 -0.05	40.84 1.03 -0.01	39.45 1.11 0.00	36.42 1.00 0.00	38.33 1.13 0.00	42.36 1.36 0.00	44.88 1.35 0.00	44.61 1.28 0.00	44.59 1.35 0.00	43.60 1.23 0.00	40.25 0.97 -0.93	33.09 0.89 0.00	31.25 0.87 0.00	35.76 0.72 0.00	33.70 0.56 0.00
NM_CENTRAL___DRP 24181	29.61 -0.16 0.00	30.64 -0.22 0.00	28.54 -0.22 0.00	24.17 -0.24 0.00	26.26 -0.26 0.00	33.01 -0.30 0.00	26.69 -0.29 0.00	25.88 -0.25 0.00	29.06 -0.33 0.00	32.24 -0.23 0.00	39.78 -0.03 -0.01	38.56 0.21 0.00	35.62 0.20 0.00	37.48 0.29 0.00	41.38 0.29 -0.10	43.96 0.37 -0.06	43.89 0.44 -0.12	43.67 0.43 0.00	42.87 0.50 0.00	38.76 0.41 0.00	32.50 0.30 0.00	30.66 0.28 0.00	35.25 0.21 0.00	33.09 -0.05 0.00



NM_FRONTIER___DRP 24179	29.05 -0.72 0.00	29.98 -0.89 0.00	27.96 -0.79 0.00	23.36 -1.05 0.00	25.52 -1.00 0.00	32.11 -1.21 0.00	25.67 -1.31 0.00	24.68 -1.44 0.00	27.39 -2.01 0.00	30.72 -1.74 0.00	38.72 -1.08 0.00	37.50 -0.85 0.00	34.41 -1.01 0.00	36.13 -1.06 0.00	39.82 -1.18 0.00	42.43 -1.10 0.00	42.47 -0.86 0.00	42.62 -0.62 0.00	42.31 -0.06 0.00	38.33 -0.02 0.00	31.77 -0.43 0.00	30.14 -0.24 0.00	34.94 -0.09 0.00	32.60 -0.54 0.00
NM_ST_REGIS___HYD 24053	29.66 -0.12 0.00	30.63 -0.23 0.00	28.49 -0.27 0.00	24.15 -0.26 0.00	26.33 -0.20 0.00	32.96 -0.36 0.00	26.65 -0.33 0.00	25.73 -0.39 0.00	29.24 -0.16 0.00	32.30 -0.16 0.00	38.65 -1.15 0.00	36.78 -1.57 0.00	33.93 -1.48 0.00	35.54 -1.65 0.00	39.16 -1.86 -0.03	41.63 -1.91 -0.02	41.51 -1.85 -0.04	41.57 -1.67 0.00	40.85 -1.51 0.00	37.28 -1.07 0.00	31.21 -0.99 0.00	29.39 -0.99 0.00	34.66 -0.38 0.00	33.07 -0.07 0.00
NORTHPORT___1 23551	31.25 1.47 0.00	32.37 1.50 0.00	30.25 1.49 0.00	25.91 1.49 0.00	28.11 1.58 0.00	35.25 1.94 0.00	28.58 1.60 0.00	27.78 1.66 0.00	31.25 1.86 0.00	34.89 2.13 -0.30	38.06 2.81 4.55	40.47 3.25 1.12	13.09 3.14 25.46	13.06 3.28 27.41	15.52 3.47 28.95	85.56 3.82 -38.21	89.27 3.74 -42.20	69.61 3.32 -23.06	56.72 2.73 -11.62	43.88 1.58 -3.96	33.26 1.39 0.33	13.05 1.30 18.63	12.91 1.29 23.42	20.22 0.92 13.84
NORTHPORT___2 23552	31.25 1.47 0.00	32.37 1.50 0.00	30.25 1.49 0.00	25.91 1.49 0.00	28.11 1.58 0.00	35.25 1.94 0.00	28.58 1.60 0.00	27.78 1.66 0.00	31.25 1.86 0.00	34.89 2.13 -0.30	37.86 2.81 4.75	13.13 3.25 28.46	13.09 3.14 25.46	13.06 3.28 27.41	13.01 3.47 31.46	32.34 3.82 15.01	13.21 3.74 33.86	10.11 3.32 36.45	7.88 2.73 37.23	32.44 1.58 7.48	13.17 1.39 20.42	13.05 1.30 18.63	12.91 1.29 23.42	20.22 0.92 13.84
NORTHPORT___3 23553	31.14 1.36 0.00	32.30 1.44 0.00	30.20 1.44 0.00	25.85 1.44 0.00	28.02 1.50 0.00	35.15 1.84 0.00	28.49 1.51 0.00	27.70 1.58 0.00	31.15 1.76 0.00	34.76 2.00 -0.30	37.76 2.72 4.76	13.10 3.22 28.47	13.10 3.16 25.47	13.10 3.32 27.42	13.10 3.57 31.47	32.34 3.82 15.02	13.52 3.78 33.58	10.27 3.37 36.34	7.80 2.70 37.27	32.40 1.54 7.49	13.10 1.33 20.43	13.02 1.28 18.63	12.86 1.25 23.42	20.20 0.91 13.85
NORTHPORT___4 23650	31.14 1.36 0.00	32.30 1.44 0.00	30.20 1.44 0.00	25.85 1.44 0.00	28.02 1.50 0.00	35.15 1.84 0.00	28.49 1.51 0.00	27.70 1.58 0.00	31.15 1.76 0.00	34.76 2.00 -0.30	37.76 2.72 4.76	13.10 3.22 28.47	13.10 3.16 25.47	13.10 3.32 27.42	13.10 3.57 31.47	32.34 3.82 15.02	13.52 3.78 33.58	10.27 3.37 36.34	7.80 2.70 37.27	32.40 1.54 7.49	13.10 1.33 20.43	13.02 1.28 18.63	12.86 1.25 23.42	20.20 0.91 13.85
NORTHPORT___IC 23718	31.26 1.48 0.00	32.37 1.50 0.00	30.25 1.49 0.00	25.91 1.49 0.00	28.11 1.58 0.00	35.25 1.94 0.00	28.58 1.60 0.00	27.78 1.66 0.00	31.25 1.86 0.00	34.90 2.14 -0.30	37.86 2.81 4.75	13.14 3.25 28.46	13.09 3.14 25.46	13.06 3.27 27.41	13.01 3.47 31.46	32.33 3.82 15.01	13.24 3.78 33.86	10.12 3.33 36.45	7.87 2.73 37.23	32.44 1.57 7.48	13.18 1.40 20.42	13.05 1.30 18.63	12.91 1.29 23.42	20.22 0.92 13.84
NORTH___COUNTRY_ESR 323785	29.82 0.04 0.00	30.87 0.01 0.00	28.68 -0.08 0.00	24.30 -0.11 0.00	26.49 -0.04 0.00	33.22 -0.10 0.00	26.88 -0.10 0.00	25.91 -0.22 0.00	29.54 0.14 0.00	32.62 0.16 0.00	39.56 -0.24 0.00	37.66 -0.69 0.00	34.55 -0.86 0.00	36.19 -1.00 0.00	39.80 -1.20 0.00	42.02 -1.51 0.00	41.90 -1.42 0.00	42.06 -1.18 0.00	41.32 -1.05 0.00	37.58 -0.77 0.00	31.28 -0.91 0.00	29.40 -0.97 0.00	34.66 -0.38 0.00	33.46 0.31 0.00
NPX_GEN_1385_PROXY 323591	31.48 1.70 0.00	32.31 1.45 0.00	30.07 1.31 0.00	25.78 1.36 0.00	28.25 1.73 0.00	35.73 2.42 0.00	28.74 1.96 0.20	27.86 1.74 0.00	31.31 1.92 0.00	34.78 2.02 -0.30	38.63 3.43 4.59	36.34 4.10 6.10	12.01 3.77 27.18	12.47 3.96 28.69	15.83 4.24 29.40	77.19 5.14 -28.51	76.60 4.94 -28.34	59.76 4.31 -12.21	49.03 3.94 -2.72	42.98 2.75 -1.87	30.38 2.18 4.00	13.54 1.78 18.63	13.24 1.62 23.42	20.81 1.52 13.84
NPX_GEN_CSC 323557	31.44 1.66 0.00	32.44 1.58 0.00	30.27 1.51 0.00	25.91 1.50 0.00	28.05 1.52 0.00	35.15 1.83 0.00	28.33 1.55 0.20	27.88 1.75 0.00	31.40 2.01 0.00	35.32 2.56 -0.30	59.30 3.60 -15.90	44.06 3.87 -1.84	44.45 3.70 -5.34	39.79 3.87 1.28	45.14 4.14 0.00	83.81 4.55 -35.73	155.53 4.57 -107.64	159.65 4.15 -112.26	83.42 3.52 -37.54	44.91 2.26 -4.30	43.40 2.17 -9.03	32.31 1.93 0.00	36.96 1.92 0.00	34.54 1.40 0.00
NSINS_S_GLNS_FALLS 23858	32.67 2.89 0.00	33.99 3.13 0.00	31.65 2.88 0.00	26.66 2.25 0.00	29.06 2.54 0.00	36.79 3.47 0.00	29.86 2.88 0.00	28.95 2.83 0.00	32.64 3.24 0.00	36.12 3.61 -0.05	43.93 4.12 -0.01	42.16 3.81 0.00	38.40 2.99 0.00	40.44 3.25 0.00	44.87 3.88 0.00	47.74 4.21 0.00	47.95 4.63 0.00	48.02 4.78 0.00	47.09 4.73 0.00	43.58 4.36 -0.87	35.94 3.74 0.00	33.95 3.57 0.00	38.82 3.78 0.00	36.33 3.19 0.00
NUCOR_STEEL___DRP 24197	30.12 0.35 0.00	31.15 0.29 0.00	29.01 0.25 0.00	24.47 0.06 0.00	26.69 0.17 0.00	33.57 0.25 0.00	27.10 0.13 0.00	26.30 0.17 0.00	29.55 0.15 0.00	32.63 0.17 0.00	40.47 0.66 -0.01	39.18 0.84 0.00	36.20 0.79 0.00	38.03 0.83 0.00	42.16 1.01 -0.16	44.79 1.15 -0.10	44.73 1.20 -0.21	44.26 1.02 0.00	43.47 1.10 0.00	39.45 1.11 0.00	33.13 0.93 0.00	31.14 0.76 0.00	35.86 0.82 0.00	33.55 0.40 0.00
NUMBER_THREE_WT_PWR 323818	30.68 0.90 0.00	31.65 0.78 0.00	29.44 0.68 0.00	24.93 0.51 0.00	27.03 0.51 0.00	33.74 0.43 0.00	27.20 0.22 0.00	26.28 0.15 0.00	29.80 0.40 0.00	32.99 0.53 0.00	40.35 0.55 -0.01	38.99 0.65 0.00	36.09 0.67 0.00	37.98 0.79 0.00	41.91 0.84 -0.07	44.65 1.07 -0.05	44.69 1.27 -0.09	44.37 1.13 0.00	43.64 1.28 0.00	39.81 1.45 0.00	33.47 1.27 0.00	31.41 1.04 0.00	36.33 1.29 0.00	33.85 0.71 0.00
NYISO_LBMP_REFERENCE 24008	29.78 0.00 0.00	30.86 0.00 0.00	28.76 0.00 0.00	24.41 0.00 0.00	26.52 0.00 0.00	33.32 0.00 0.00	26.98 0.00 0.00	26.13 0.00 0.00	29.39 0.00 0.00	32.46 0.00 0.00	39.80 0.00 0.00	38.35 0.00 0.00	35.41 0.00 0.00	37.19 0.00 0.00	40.99 0.00 0.00	43.53 0.00 0.00	43.32 0.00 0.00	43.24 0.00 0.00	42.37 0.00 0.00	38.35 0.00 0.00	32.20 0.00 0.00	30.38 0.00 0.00	35.04 0.00 0.00	33.14 0.00 0.00
NYPA_BRENTWD____GT 24164	31.85 2.07 0.00	32.92 2.06 0.00	30.72 1.96 0.00	26.28 1.87 0.00	28.48 1.96 0.00	35.71 2.40 0.00	28.96 1.98 0.00	28.20 2.07 0.00	31.77 2.37 0.00	35.58 2.82 -0.30	59.49 3.79 -15.90	44.31 4.13 -1.84	46.42 3.95 -7.06	41.28 4.09 0.00	45.14 4.14 0.00	79.81 4.55 -31.73	86.98 4.51 -39.16	75.07 4.14 -27.70	52.20 3.47 -6.37	44.87 2.21 -4.30	36.18 2.07 -1.92	32.33 1.96 0.00	37.16 2.12 0.00	34.80 1.66 0.00



NYPA_GOWANUS____GT5 24156	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.15 3.28 -0.07	43.74 3.75 -1.65	70.13 3.65 -31.06	179.81 3.87 -138.74	68.95 4.11 -23.84	73.27 4.18 -25.56	70.45 4.04 -23.09	68.10 3.66 -21.20	65.54 3.19 -19.99	67.01 2.38 -26.28	38.50 2.20 -4.11	32.48 2.10 -0.01	37.23 2.19 0.00	37.59 1.90 -2.55
NYPA_GOWANUS____GT6 24157	31.89 1.97 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.15 3.28 -0.07	43.74 3.75 -1.65	70.13 3.65 -31.06	179.81 3.87 -138.74	68.95 4.11 -23.84	73.27 4.18 -25.56	70.45 4.04 -23.09	68.10 3.66 -21.20	65.54 3.19 -19.99	67.01 2.38 -26.28	38.50 2.20 -4.11	32.48 2.10 -0.01	37.23 2.19 0.00	37.59 1.90 -2.55
NYPA_HARLEM__RVR__GT1 24160	31.63 1.86 0.00	32.61 1.75 0.00	30.41 1.65 0.00	25.97 1.55 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.86 1.74 0.00	31.31 1.92 0.00	34.95 2.19 -0.30	42.88 3.01 -0.07	41.80 3.46 0.00	38.75 3.33 0.00	40.67 3.47 0.00	44.89 3.90 0.01	47.54 4.01 0.01	47.48 3.94 -0.22	46.84 3.59 -0.01	45.52 3.15 -0.01	44.98 2.34 -4.30	34.34 2.13 -0.02	32.37 1.99 0.00	37.12 2.09 0.00	34.93 1.78 0.00
NYPA_HARLEM__RVR__GT2 24161	31.63 1.86 0.00	32.61 1.75 0.00	30.41 1.65 0.00	25.97 1.55 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.86 1.74 0.00	31.31 1.92 0.00	34.95 2.19 -0.30	42.88 3.01 -0.07	41.80 3.46 0.00	38.75 3.33 0.00	40.67 3.47 0.00	44.89 3.90 0.01	47.54 4.01 0.01	47.48 3.94 -0.22	46.84 3.59 -0.01	45.52 3.15 -0.01	44.98 2.34 -4.30	34.34 2.13 -0.02	32.37 1.99 0.00	37.12 2.09 0.00	34.93 1.78 0.00
NYPA_KENT____GT 24152	31.77 1.90 -0.08	32.70 1.84 0.00	30.47 1.72 0.00	26.02 1.60 0.00	28.12 1.60 0.00	35.19 1.88 0.00	28.64 1.66 0.00	27.91 1.78 0.00	31.39 2.00 0.00	35.08 2.32 -0.30	43.08 3.21 -0.07	42.97 3.68 -0.95	56.85 3.56 -17.88	111.97 3.76 -71.02	37.66 3.99 7.32	56.41 4.05 -8.83	56.36 3.92 -9.12	55.11 3.56 -8.31	52.94 3.10 -7.46	53.49 2.30 -12.84	36.61 2.13 -2.29	32.42 2.04 0.00	37.16 2.12 0.00	36.46 1.84 -1.47
NYPA_POUCH1____GT 24155	31.80 1.87 -0.15	32.70 1.83 0.00	30.48 1.73 0.00	26.00 1.59 0.00	28.10 1.58 0.00	35.19 1.88 0.00	28.64 1.66 0.00	27.89 1.77 0.00	31.38 1.99 0.00	35.02 2.26 -0.30	43.04 3.17 -0.07	43.62 3.62 -1.65	70.03 3.55 -31.06	179.74 3.80 -138.74	68.90 4.06 -23.84	73.22 4.13 -25.56	70.41 4.00 -23.09	68.11 3.67 -21.20	65.51 3.16 -19.99	66.98 2.35 -26.28	38.47 2.17 -4.11	32.42 2.03 -0.01	37.15 2.11 0.00	37.50 1.80 -2.55
NYPA_VERNON____GT2 24162	31.65 1.85 -0.02	32.63 1.77 0.00	30.41 1.66 0.00	25.97 1.56 0.00	28.08 1.55 0.00	35.12 1.81 0.00	28.58 1.61 0.00	27.85 1.73 0.00	31.33 1.94 0.00	35.03 2.27 -0.30	43.04 3.17 -0.07	42.22 3.63 -0.25	43.61 3.51 -4.69	59.51 3.67 -18.64	40.81 3.90 4.08	41.90 3.96 5.59	42.31 3.84 4.85	42.13 3.49 4.60	41.01 3.06 4.42	40.01 2.26 0.60	34.75 2.08 -0.48	32.38 2.00 0.00	37.12 2.08 0.00	35.31 1.78 -0.38
NYPA_VERNON____GT3 24163	31.65 1.85 -0.02	32.63 1.77 0.00	30.41 1.66 0.00	25.97 1.56 0.00	28.08 1.55 0.00	35.12 1.81 0.00	28.58 1.61 0.00	27.85 1.73 0.00	31.33 1.94 0.00	35.03 2.27 -0.30	43.04 3.17 -0.07	42.22 3.63 -0.25	43.61 3.51 -4.69	59.51 3.67 -18.64	40.81 3.90 4.08	41.90 3.96 5.59	42.31 3.84 4.85	42.13 3.49 4.60	41.01 3.06 4.42	40.01 2.26 0.60	34.75 2.08 -0.48	32.38 2.00 0.00	37.12 2.08 0.00	35.31 1.78 -0.38
NYPA__ASTORIA_CC1 323568	31.57 1.79 0.00	32.57 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.75 0.00	28.54 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.98 3.11 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.79 3.59 0.00	41.21 3.82 3.60	34.21 3.86 13.18	34.94 3.74 12.13	35.34 3.40 11.29	34.69 2.95 10.63	32.91 2.16 7.59	33.99 2.01 0.21	32.32 1.95 0.00	37.05 2.02 0.00	34.87 1.72 0.00
NYPA__ASTORIA_CC2 323569	31.57 1.79 0.00	32.57 1.71 0.00	30.37 1.61 0.00	25.94 1.52 0.00	28.02 1.50 0.00	35.06 1.75 0.00	28.54 1.56 0.00	27.81 1.69 0.00	31.27 1.88 0.00	34.96 2.20 -0.30	42.98 3.11 -0.07	41.90 3.56 0.00	38.86 3.44 0.00	40.79 3.59 0.00	41.21 3.82 3.60	34.21 3.86 13.18	34.94 3.74 12.13	35.34 3.40 11.29	34.69 2.95 10.63	32.91 2.16 7.59	33.99 2.01 0.21	32.32 1.95 0.00	37.05 2.02 0.00	34.87 1.72 0.00
NYPA__HOLTSVILL 23794	31.51 1.74 0.00	32.57 1.71 0.00	30.39 1.63 0.00	26.02 1.61 0.00	28.17 1.65 0.00	35.32 2.00 0.00	28.66 1.68 0.00	27.94 1.81 0.00	31.46 2.07 0.00	35.28 2.51 -0.30	59.15 3.45 -15.90	44.06 3.87 -1.84	46.16 3.69 -7.06	41.05 3.86 0.00	45.12 4.12 0.00	117.34 4.50 -69.31	237.12 4.46 -189.34	221.58 4.01 -174.32	136.99 3.40 -91.22	44.80 2.15 -4.30	42.96 1.91 -8.85	32.14 1.77 0.00	36.83 1.79 0.00	34.47 1.33 0.00
NYPA____HELLGATE_GT1 24158	31.63 1.86 0.00	32.61 1.75 0.00	30.41 1.65 0.00	25.97 1.55 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.86 1.74 0.00	31.31 1.92 0.00	34.95 2.19 -0.30	42.88 3.01 -0.07	41.80 3.46 0.00	38.75 3.33 0.00	40.67 3.47 0.00	44.89 3.90 0.01	47.54 4.01 0.01	47.49 3.94 -0.22	46.84 3.59 -0.01	45.52 3.15 -0.01	44.98 2.34 -4.30	34.34 2.13 -0.02	32.37 1.99 0.00	37.12 2.08 0.00	34.91 1.76 0.00
NYPA____HELLGATE_GT2 24159	31.63 1.86 0.00	32.61 1.75 0.00	30.41 1.65 0.00	25.97 1.55 0.00	28.07 1.54 0.00	35.07 1.76 0.00	28.59 1.62 0.00	27.86 1.74 0.00	31.31 1.92 0.00	34.95 2.19 -0.30	42.88 3.01 -0.07	41.80 3.46 0.00	38.75 3.33 0.00	40.67 3.47 0.00	44.89 3.90 0.01	47.54 4.01 0.01	47.49 3.94 -0.22	46.84 3.59 -0.01	45.52 3.15 -0.01	44.98 2.34 -4.30	34.34 2.13 -0.02	32.37 1.99 0.00	37.12 2.08 0.00	34.91 1.76 0.00
NYS_BARGE__HYD 23848	29.48 -0.29 0.00	30.39 -0.48 0.00	28.33 -0.43 0.00	23.68 -0.74 0.00	25.86 -0.67 0.00	32.53 -0.79 0.00	26.02 -0.96 0.00	25.06 -1.06 0.00	27.85 -1.54 0.00	31.26 -1.21 0.00	39.34 -0.46 0.00	38.12 -0.22 0.00	34.87 -0.54 0.00	36.61 -0.58 0.00	40.32 -0.68 0.00	43.03 -0.51 0.00	43.19 -0.13 0.00	43.31 0.07 0.00	42.99 0.62 0.00	38.99 0.64 0.00	32.45 0.25 0.00	30.76 0.38 0.00	35.76 0.72 0.00	33.34 0.20 0.00
OAK ORCHARD__HYD 24046	29.99 0.21 0.00	30.95 0.08 0.00	28.82 0.06 0.00	24.23 -0.18 0.00	26.39 -0.13 0.00	33.20 -0.12 0.00	26.69 -0.28 0.00	25.81 -0.32 0.00	28.86 -0.54 0.00	32.24 -0.22 0.00	40.22 0.42 0.00	39.07 0.72 0.00	35.88 0.47 0.00	37.67 0.48 0.00	41.49 0.49 0.00	44.21 0.68 0.00	44.32 0.99 0.00	44.33 1.09 0.00	43.75 1.39 0.00	39.62 1.27 0.00	33.03 0.84 0.00	31.21 0.83 0.00	36.00 0.96 0.00	33.63 0.49 0.00



OAKDALE___35_KV_LOAD 356122	29.93 0.16 0.00	30.98 0.11 0.00	28.85 0.09 0.00	24.45 0.04 0.00	26.58 0.06 0.00	33.44 0.12 0.00	27.00 0.02 0.00	26.22 0.10 0.00	29.42 0.02 0.00	32.67 0.21 0.00	40.37 0.57 -0.01	39.18 0.83 0.00	36.15 0.74 0.00	38.13 0.93 0.00	42.06 1.00 -0.07	44.64 1.06 -0.04	44.53 1.12 -0.08	44.30 1.06 0.00	43.52 1.15 0.00	39.30 0.95 0.00	32.91 0.71 0.00	31.06 0.68 0.00	35.75 0.71 0.00	33.48 0.34 0.00
OCC_CHEM___DRP 24175	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.39 0.00	27.45 -1.95 0.00	30.80 -1.67 0.00	38.80 -1.00 0.00	37.58 -0.76 0.00	34.46 -0.95 0.00	36.19 -1.00 0.00	39.88 -1.11 0.00	42.51 -1.02 0.00	42.55 -0.77 0.00	42.71 -0.53 0.00	42.40 0.03 0.00	38.41 0.06 0.00	31.83 -0.36 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
OH_GEN_PROXY 24063	29.22 -0.55 0.00	30.16 -0.70 0.00	28.13 -0.63 0.00	23.53 -0.88 0.00	25.69 -0.83 0.00	32.32 -1.00 0.00	25.66 -1.12 0.20	24.92 -1.20 0.00	27.68 -1.71 0.00	31.05 -1.42 0.00	39.01 -0.79 0.00	37.78 -0.56 0.00	32.83 -0.87 1.72	35.03 -0.88 1.28	40.04 -0.96 0.00	42.74 -0.79 0.00	42.89 -0.43 0.00	42.99 -0.25 0.00	42.63 0.26 0.00	38.63 0.27 0.00	32.05 -0.15 0.00	30.36 -0.01 0.00	35.19 0.14 0.00	32.81 -0.34 0.00
OLIN_CORP_DRP 24177	29.19 -0.58 0.00	30.11 -0.75 0.00	28.09 -0.67 0.00	23.47 -0.95 0.00	25.64 -0.89 0.00	32.25 -1.07 0.00	25.79 -1.18 0.00	24.81 -1.31 0.00	27.55 -1.85 0.00	30.90 -1.57 0.00	38.94 -0.86 0.00	37.66 -0.69 0.00	34.41 -1.00 0.00	36.13 -1.06 0.00	39.80 -1.20 0.00	42.55 -0.98 0.00	42.70 -0.63 0.00	42.86 -0.38 0.00	42.54 0.17 0.00	38.55 0.20 0.00	31.99 -0.21 0.00	30.34 -0.04 0.00	35.20 0.16 0.00	32.83 -0.31 0.00
OLIN_CORP_DSASP 323712	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.38 0.00	27.45 -1.94 0.00	30.80 -1.67 0.00	38.76 -1.04 0.00	37.58 -0.76 0.00	34.47 -0.95 0.00	36.19 -1.00 0.00	39.90 -1.10 0.00	42.49 -1.04 0.00	42.57 -0.75 0.00	42.71 -0.53 0.00	42.38 0.01 0.00	38.41 0.06 0.00	31.85 -0.34 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
ONEIDA_HERK_LFGE 323681	30.65 0.87 0.00	31.68 0.82 0.00	29.49 0.73 0.00	25.00 0.58 0.00	27.13 0.60 0.00	34.01 0.69 0.00	27.49 0.51 0.00	26.61 0.49 0.00	30.01 0.62 0.00	33.21 0.75 0.00	40.76 0.96 0.00	39.40 1.05 0.00	36.44 1.03 0.00	38.35 1.16 0.00	42.32 1.28 -0.04	45.01 1.46 -0.03	45.00 1.63 -0.05	44.81 1.58 0.00	44.03 1.66 0.00	39.94 1.59 0.00	33.54 1.35 0.00	31.56 1.18 0.00	36.34 1.31 0.00	34.07 0.93 0.00
ONEIDA___115KV_TB4 55905	30.72 0.94 0.00	31.77 0.90 0.00	29.57 0.81 0.00	25.07 0.65 0.00	27.22 0.69 0.00	34.21 0.89 0.00	27.67 0.69 0.00	26.80 0.68 0.00	30.11 0.71 0.00	33.31 0.85 0.00	41.03 1.22 0.00	39.71 1.36 0.00	36.76 1.35 0.00	38.73 1.54 0.00	42.74 1.70 -0.05	45.41 1.85 -0.03	45.46 2.07 -0.07	45.32 2.08 0.00	44.52 2.15 0.00	40.28 1.93 0.00	33.79 1.59 0.00	31.84 1.46 0.00	36.56 1.52 0.00	34.32 1.18 0.00
ONONDAGA_REF_OCCRA 23987	29.79 0.02 0.00	30.85 -0.02 0.00	28.73 -0.03 0.00	24.33 -0.08 0.00	26.43 -0.10 0.00	33.23 -0.09 0.00	26.87 -0.10 0.00	26.06 -0.07 0.00	29.27 -0.13 0.00	32.46 0.00 0.00	40.04 0.24 -0.01	38.82 0.47 0.00	35.87 0.46 0.00	37.75 0.55 0.00	41.73 0.62 -0.11	44.32 0.71 -0.07	44.25 0.77 -0.15	44.01 0.77 0.00	43.20 0.83 0.00	39.07 0.71 0.00	32.76 0.56 0.00	30.90 0.52 0.00	35.51 0.47 0.00	33.33 0.19 0.00
ONONDAGA___COGEN 23986	29.73 -0.05 0.00	30.83 -0.04 0.00	28.71 -0.05 0.00	24.30 -0.11 0.00	26.41 -0.11 0.00	33.20 -0.12 0.00	26.85 -0.13 0.00	26.04 -0.09 0.00	29.25 -0.14 0.00	32.43 -0.03 0.00	40.03 0.22 -0.01	38.78 0.43 0.00	35.83 0.42 0.00	37.68 0.49 0.00	41.72 0.55 -0.18	44.28 0.63 -0.11	44.22 0.67 -0.23	43.88 0.64 0.00	43.08 0.71 0.00	38.96 0.61 0.00	32.70 0.50 0.00	30.83 0.46 0.00	35.45 0.41 0.00	33.27 0.13 0.00
ONTARIO___LFGE 23819	30.30 0.53 0.00	31.29 0.43 0.00	29.12 0.36 0.00	24.57 0.15 0.00	26.73 0.21 0.00	33.62 0.30 0.00	27.11 0.13 0.00	26.33 0.21 0.00	29.48 0.08 0.00	32.83 0.37 0.00	40.67 0.86 0.00	39.52 1.18 0.00	36.49 1.08 0.00	38.29 1.09 0.00	42.40 1.35 -0.06	45.08 1.51 -0.04	44.93 1.53 -0.08	44.84 1.60 0.00	44.23 1.86 0.00	40.09 1.74 0.00	33.66 1.46 0.00	31.69 1.32 0.00	36.39 1.35 0.00	34.03 0.89 0.00
ORANGEVILLE_WT_PWR 323706	29.85 0.07 0.00	30.82 -0.05 0.00	28.70 -0.06 0.00	24.11 -0.31 0.00	26.28 -0.24 0.00	33.08 -0.24 0.00	26.51 -0.47 0.00	25.66 -0.46 0.00	28.60 -0.79 0.00	32.05 -0.41 0.00	40.09 0.30 0.00	38.90 0.55 0.00	35.65 0.23 0.00	37.53 0.33 0.00	41.32 0.32 0.00	44.02 0.49 0.00	44.04 0.72 0.00	44.09 0.85 0.00	43.66 1.30 0.00	39.57 1.22 0.00	32.93 0.74 0.00	31.15 0.77 0.00	36.07 1.03 0.00	33.58 0.44 0.00
ORANGEVILLE___ESR 323794	29.85 0.07 0.00	30.82 -0.05 0.00	28.70 -0.06 0.00	24.11 -0.31 0.00	26.28 -0.24 0.00	33.08 -0.24 0.00	26.51 -0.47 0.00	25.66 -0.46 0.00	28.60 -0.79 0.00	32.05 -0.41 0.00	40.09 0.30 0.00	38.90 0.55 0.00	35.65 0.23 0.00	37.53 0.33 0.00	41.32 0.32 0.00	44.02 0.49 0.00	44.04 0.72 0.00	44.09 0.85 0.00	43.66 1.30 0.00	39.57 1.22 0.00	32.93 0.74 0.00	31.15 0.77 0.00	36.07 1.03 0.00	33.58 0.44 0.00
OSWEGATCHIE___HYD 24044	30.13 0.36 0.00	30.96 0.10 0.00	28.79 0.03 0.00	24.39 -0.02 0.00	26.50 -0.02 0.00	33.14 -0.18 0.00	26.75 -0.22 0.00	25.84 -0.28 0.00	29.30 -0.09 0.00	32.41 -0.05 0.00	39.17 -0.63 0.00	37.74 -0.60 0.00	35.03 -0.39 0.00	36.84 -0.35 0.00	40.62 -0.44 -0.06	43.30 -0.27 -0.04	43.30 -0.10 -0.08	43.08 -0.16 0.00	42.31 -0.06 0.00	38.66 0.31 0.00	32.46 0.26 0.00	30.50 0.13 0.00	35.58 0.54 0.00	33.26 0.12 0.00
OSWEGO___5 23606	29.20 -0.57 0.00	30.24 -0.63 0.00	28.17 -0.59 0.00	23.86 -0.55 0.00	25.94 -0.59 0.00	32.59 -0.72 0.00	26.36 -0.61 0.00	25.54 -0.59 0.00	28.69 -0.71 0.00	31.78 -0.68 0.00	39.20 -0.66 -0.06	37.88 -0.47 0.00	34.96 -0.45 0.00	36.76 -0.44 0.00	41.22 -0.52 -0.74	43.50 -0.52 -0.48	43.83 -0.46 -0.97	42.80 -0.44 0.00	41.99 -0.38 0.00	37.99 -0.36 0.00	31.88 -0.32 0.00	30.08 -0.29 0.00	34.63 -0.41 0.00	32.57 -0.57 0.00
OSWEGO___6 23613	29.20 -0.57 0.00	30.24 -0.63 0.00	28.17 -0.59 0.00	23.86 -0.55 0.00	25.94 -0.59 0.00	32.59 -0.72 0.00	26.36 -0.61 0.00	25.54 -0.59 0.00	28.69 -0.71 0.00	31.78 -0.68 0.00	39.20 -0.66 -0.06	37.88 -0.47 0.00	34.96 -0.45 0.00	36.76 -0.44 0.00	41.22 -0.52 -0.74	43.50 -0.52 -0.48	43.83 -0.46 -0.97	42.80 -0.44 0.00	41.99 -0.38 0.00	37.99 -0.36 0.00	31.88 -0.32 0.00	30.08 -0.29 0.00	34.63 -0.41 0.00	32.57 -0.57 0.00



OUTOKUMPU-AB___DRP 24206	29.77 -0.01 0.00	30.69 -0.17 0.00	28.61 -0.14 0.00	23.91 -0.50 0.00	26.11 -0.42 0.00	32.85 -0.47 0.00	26.27 -0.70 0.00	25.32 -0.80 0.00	28.16 -1.24 0.00	31.61 -0.86 0.00	39.82 0.02 0.00	38.59 0.25 0.00	35.34 -0.08 0.00	37.12 -0.07 0.00	40.89 -0.11 0.00	43.61 0.08 0.00	43.69 0.36 0.00	43.82 0.58 0.00	43.53 1.16 0.00	39.43 1.08 0.00	32.73 0.54 0.00	31.03 0.65 0.00	35.97 0.93 0.00	33.50 0.36 0.00
OXBOW___BTM 323836	29.47 -0.31 0.00	30.39 -0.48 0.00	28.34 -0.42 0.00	23.67 -0.74 0.00	25.85 -0.67 0.00	32.54 -0.78 0.00	26.01 -0.96 0.00	25.05 -1.07 0.00	27.82 -1.57 0.00	31.23 -1.23 0.00	39.32 -0.48 0.00	38.14 -0.21 0.00	34.95 -0.47 0.00	36.71 -0.48 0.00	40.46 -0.54 0.00	43.10 -0.43 0.00	43.19 -0.13 0.00	43.33 0.09 0.00	43.01 0.64 0.00	38.97 0.62 0.00	32.35 0.15 0.00	30.65 0.27 0.00	35.53 0.49 0.00	33.12 -0.03 0.00
OXBOW___ 24026	29.47 -0.31 0.00	30.39 -0.48 0.00	28.34 -0.41 0.00	23.67 -0.74 0.00	25.85 -0.67 0.00	32.54 -0.78 0.00	26.01 -0.96 0.00	25.05 -1.07 0.00	27.83 -1.57 0.00	31.23 -1.24 0.00	39.37 -0.43 0.00	38.13 -0.21 0.00	34.94 -0.47 0.00	36.71 -0.49 0.00	40.45 -0.55 0.00	43.12 -0.41 0.00	43.17 -0.15 0.00	43.32 0.08 0.00	43.03 0.66 0.00	38.97 0.62 0.00	32.33 0.13 0.00	30.66 0.28 0.00	35.54 0.50 0.00	33.12 -0.02 0.00
OXY_CHEM_DSASP 323612	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.39 0.00	27.45 -1.95 0.00	30.80 -1.67 0.00	38.80 -1.00 0.00	37.58 -0.76 0.00	34.46 -0.95 0.00	36.19 -1.00 0.00	39.88 -1.11 0.00	42.51 -1.02 0.00	42.55 -0.77 0.00	42.71 -0.53 0.00	42.40 0.03 0.00	38.41 0.06 0.00	31.83 -0.36 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
OZONE_PARK_ESR 323760	32.07 2.29 0.00	33.10 2.23 0.00	30.83 2.07 0.00	26.28 1.87 0.00	28.43 1.91 0.00	35.59 2.28 0.00	28.93 1.95 0.00	28.20 2.08 0.00	31.73 2.33 0.00	35.49 2.73 -0.30	43.61 3.74 -0.07	42.55 4.21 0.00	39.47 4.05 0.00	41.48 4.29 0.00	45.67 4.67 0.00	48.32 4.79 0.00	48.27 4.72 -0.22	47.66 4.42 0.00	46.38 4.01 0.00	45.72 3.08 -4.29	34.88 2.67 -0.01	32.90 2.52 0.00	37.69 2.65 0.00	35.41 2.27 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.39 0.00	27.45 -1.95 0.00	30.80 -1.67 0.00	38.80 -1.00 0.00	37.58 -0.76 0.00	34.46 -0.95 0.00	36.19 -1.00 0.00	39.88 -1.11 0.00	42.51 -1.02 0.00	42.55 -0.77 0.00	42.71 -0.53 0.00	42.40 0.03 0.00	38.41 0.06 0.00	31.83 -0.36 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
PACKARD___115KV_DUPONT_184 80571	29.11 -0.67 0.00	30.04 -0.82 0.00	28.02 -0.73 0.00	23.41 -1.01 0.00	25.57 -0.95 0.00	32.18 -1.14 0.00	25.72 -1.26 0.00	24.74 -1.39 0.00	27.45 -1.95 0.00	30.80 -1.67 0.00	38.80 -1.00 0.00	37.58 -0.76 0.00	34.46 -0.95 0.00	36.19 -1.00 0.00	39.88 -1.11 0.00	42.51 -1.02 0.00	42.55 -0.77 0.00	42.71 -0.53 0.00	42.40 0.03 0.00	38.41 0.06 0.00	31.83 -0.36 0.00	30.20 -0.17 0.00	35.02 -0.02 0.00	32.67 -0.47 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	31.58 1.81 0.00	32.57 1.71 0.00	30.38 1.62 0.00	25.94 1.52 0.00	28.03 1.51 0.00	35.07 1.75 0.00	28.57 1.59 0.00	27.83 1.71 0.00	31.28 1.88 0.00	34.91 2.15 -0.30	42.87 3.00 -0.07	41.80 3.45 0.00	38.75 3.33 0.00	40.68 3.48 0.00	44.86 3.87 0.01	47.55 4.02 0.01	47.47 3.92 -0.22	46.82 3.57 -0.01	45.52 3.14 -0.01	44.98 2.34 -4.30	34.34 2.13 -0.02	32.36 1.99 0.00	37.10 2.06 0.00	34.88 1.74 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	31.91 2.13 0.00	32.84 1.97 0.00	30.63 1.87 0.00	26.14 1.73 0.00	28.26 1.74 0.00	35.37 2.05 0.00	28.84 1.86 0.00	28.11 1.99 0.00	31.57 2.18 0.00	35.26 2.50 -0.30	43.28 3.41 -0.07	42.21 3.87 0.00	39.17 3.76 0.00	41.16 3.96 0.00	45.39 4.40 0.01	48.14 4.61 0.01	48.09 4.55 -0.22	47.41 4.16 -0.01	45.99 3.61 -0.01	45.38 2.74 -4.30	34.69 2.48 -0.02	32.65 2.28 0.00	37.44 2.40 0.00	35.20 2.06 0.00
PATROON___115KV_TB1 80586	30.57 0.79 0.00	31.72 0.86 0.00	29.55 0.79 0.00	25.09 0.67 0.00	27.24 0.71 0.00	34.27 0.95 0.00	27.80 0.82 0.00	26.95 0.83 0.00	30.21 0.82 0.00	33.43 0.92 -0.05	40.93 1.12 -0.01	39.52 1.17 0.00	36.49 1.08 0.00	38.41 1.22 0.00	42.46 1.46 0.00	45.02 1.49 0.00	44.76 1.43 0.00	44.72 1.48 0.00	43.73 1.36 0.00	40.34 1.09 -0.90	33.18 0.98 0.00	31.32 0.95 0.00	35.86 0.82 0.00	33.78 0.64 0.00
PATTRSNVILLE___SOLAR 323815	31.05 1.27 0.00	32.17 1.31 0.00	29.97 1.21 0.00	25.41 0.99 0.00	27.61 1.08 0.00	34.74 1.42 0.00	28.15 1.17 0.00	27.26 1.14 0.00	30.63 1.24 0.00	33.84 1.38 0.00	41.47 1.68 0.00	39.70 1.35 0.00	36.46 1.04 0.00	38.34 1.15 0.00	42.40 1.40 0.00	45.32 1.79 0.00	45.21 1.89 0.00	45.32 2.08 0.00	44.52 2.15 0.00	41.05 1.95 -0.75	33.89 1.69 0.00	31.97 1.59 0.00	36.71 1.67 0.00	34.56 1.42 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	29.89 0.12 0.00	30.82 -0.04 0.00	28.72 -0.04 0.00	24.06 -0.36 0.00	26.25 -0.27 0.00	33.03 -0.28 0.00	26.44 -0.54 0.00	25.57 -0.55 0.00	28.52 -0.88 0.00	32.02 -0.44 0.00	40.18 0.39 0.00	38.92 0.58 0.00	35.61 0.20 0.00	37.51 0.32 0.00	41.28 0.29 0.00	44.06 0.53 0.00	44.13 0.81 0.00	44.18 0.94 0.00	43.86 1.49 0.00	39.74 1.39 0.00	33.00 0.80 0.00	31.23 0.85 0.00	36.15 1.11 0.00	33.62 0.48 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	31.68 1.90 0.00	32.72 1.85 0.00	30.48 1.72 0.00	25.96 1.55 0.00	28.10 1.58 0.00	35.24 1.93 0.00	28.63 1.66 0.00	27.90 1.77 0.00	31.40 2.01 0.00	34.90 2.34 -0.10	43.07 3.24 -0.02	42.06 3.71 0.00	39.00 3.59 0.00	41.06 3.86 0.00	45.28 4.29 0.00	48.01 4.47 0.00	47.77 4.37 -0.08	47.30 4.06 0.00	46.03 3.67 0.00	43.29 2.80 -2.13	34.59 2.39 -0.01	32.63 2.26 0.00	37.35 2.31 0.00	35.06 1.92 0.00
PEEKSKILL___ 23653	31.26 1.48 0.00	32.31 1.44 0.00	30.10 1.34 0.00	25.69 1.28 0.00	27.81 1.28 0.00	34.83 1.51 0.00	28.30 1.33 0.00	27.57 1.45 0.00	30.99 1.60 0.00	34.64 1.83 -0.35	42.44 2.55 -0.08	41.35 3.00 0.00	38.33 2.92 0.00	40.33 3.13 0.00	44.45 3.45 0.00	47.08 3.55 0.00	48.80 3.49 -1.99	46.47 3.23 0.00	45.22 2.85 0.00	45.01 2.07 -4.59	34.01 1.80 -0.02	32.09 1.71 0.00	36.76 1.73 0.00	34.59 1.45 0.00
PGE MADISON___WINDPWR 24146	32.26 2.49 0.00	33.33 2.47 0.00	31.02 2.26 0.00	26.26 1.84 0.00	28.55 2.03 0.00	35.97 2.65 0.00	29.07 2.10 0.00	28.25 2.13 0.00	31.68 2.29 0.00	34.97 2.51 0.00	43.23 3.43 -0.01	41.53 3.18 0.00	38.42 3.00 0.00	40.93 3.74 0.00	45.37 4.30 -0.07	48.43 4.85 -0.05	48.38 4.97 -0.09	48.23 4.99 0.00	47.48 5.11 0.00	42.98 4.62 0.00	36.02 3.82 0.00	33.86 3.49 0.00	38.85 3.81 0.00	36.29 3.15 0.00



PIERCEFIELD___HYD 23852	29.50 -0.28 0.00	30.45 -0.41 0.00	28.34 -0.42 0.00	24.03 -0.38 0.00	26.19 -0.33 0.00	32.78 -0.54 0.00	26.50 -0.48 0.00	25.59 -0.54 0.00	29.03 -0.37 0.00	32.07 -0.40 0.00	38.24 -1.56 0.00	36.38 -1.96 0.00	33.63 -1.79 0.00	35.23 -1.97 0.00	38.82 -2.21 -0.03	41.35 -2.20 -0.02	41.21 -2.15 -0.04	41.23 -2.01 0.00	40.51 -1.85 0.00	37.00 -1.35 0.00	31.02 -1.18 0.00	29.23 -1.15 0.00	34.49 -0.55 0.00	32.81 -0.34 0.00
PINELAWN_CC_1 323563	31.51 1.73 0.00	32.59 1.72 0.00	30.39 1.63 0.00	25.98 1.56 0.00	28.14 1.61 0.00	35.27 1.96 0.00	28.61 1.64 0.00	27.88 1.76 0.00	31.42 2.02 0.00	35.17 2.40 -0.30	59.00 3.30 -15.90	43.90 3.71 -1.84	46.06 3.58 -7.06	40.79 3.59 0.00	44.84 3.84 0.00	79.45 4.19 -31.73	78.52 4.14 -31.06	61.79 3.79 -14.77	47.55 3.14 -2.05	44.56 1.91 -4.30	34.48 1.67 -0.62	32.06 1.68 0.00	36.84 1.80 0.00	34.80 1.66 0.00
PJM_GEN_HTTP_PROXY 323702	31.54 1.77 0.00	32.57 1.71 0.00	30.35 1.59 0.00	25.90 1.49 0.00	28.02 1.49 0.00	35.08 1.77 0.00	28.52 1.54 0.00	27.80 1.67 0.00	31.27 1.88 0.00	34.93 2.17 -0.30	42.89 3.02 -0.07	41.84 3.49 0.00	38.78 3.36 0.00	40.76 3.56 0.00	44.86 3.86 0.00	47.46 3.93 0.00	47.43 3.88 -0.22	46.82 3.58 0.00	45.56 3.20 0.00	45.00 2.36 -4.29	34.26 2.05 -0.01	32.33 1.95 0.00	37.04 2.00 0.00	34.83 1.69 0.00
PJM_GEN_KEystone 24065	30.12 0.34 0.00	31.10 0.23 0.00	28.97 0.21 0.00	24.61 0.20 0.00	26.73 0.20 0.00	33.53 0.21 0.00	27.08 0.10 0.00	26.36 0.24 0.00	29.56 0.16 0.00	32.41 0.42 0.47	40.65 0.97 0.11	39.72 1.37 0.00	36.62 1.21 0.00	38.62 1.43 0.00	42.56 1.57 0.00	45.17 1.64 0.00	44.88 1.71 0.15	44.80 1.56 0.00	43.94 1.57 0.00	32.56 1.11 6.90	33.02 0.84 0.02	31.20 0.83 0.00	35.93 0.89 0.00	33.63 0.48 0.00
PJM_GEN_NEPTUNE_PROXY 323594	31.42 1.65 0.00	32.50 1.64 0.00	30.33 1.57 0.00	25.92 1.50 0.00	28.08 1.55 0.00	35.19 1.87 0.00	28.55 1.58 0.00	27.81 1.68 0.00	31.32 1.92 0.00	35.01 2.25 -0.30	51.48 3.11 -8.57	42.91 3.57 -0.99	42.65 3.45 -3.79	40.81 3.62 0.00	44.88 3.88 0.00	64.70 4.12 -17.04	59.38 4.05 -12.00	50.61 3.65 -3.71	45.45 3.09 0.00	44.62 1.97 -4.30	33.93 1.72 -0.01	32.03 1.66 0.00	36.73 1.70 0.00	34.51 1.37 0.00
PJM_GEN_VFT_PROXY 323633	31.50 1.72 0.00	32.51 1.64 0.00	30.28 1.52 0.00	25.86 1.44 0.00	27.96 1.43 0.00	34.99 1.68 0.00	28.44 1.46 0.00	27.73 1.61 0.00	31.19 1.79 0.00	34.83 2.07 -0.30	42.75 2.89 -0.07	41.69 3.34 0.00	38.63 3.21 0.00	40.59 3.40 0.00	44.71 3.71 0.00	47.30 3.78 0.00	47.23 3.69 -0.22	46.67 3.43 0.00	45.43 3.06 0.00	44.86 2.23 -4.29	34.18 1.97 -0.01	32.23 1.85 0.00	36.93 1.89 0.00	34.74 1.60 0.00
PLATSBURG_115KV_PMLD1 355749	30.31 0.53 0.00	31.39 0.53 0.00	29.18 0.42 0.00	24.64 0.23 0.00	26.92 0.39 0.00	34.02 0.70 0.00	27.43 0.45 0.00	26.35 0.23 0.00	30.17 0.78 0.00	33.35 0.89 0.00	40.54 0.74 0.00	38.70 0.36 0.00	35.29 -0.12 0.00	37.06 -0.13 0.00	40.81 -0.19 0.00	42.80 -0.73 0.00	42.82 -0.50 0.00	43.02 -0.22 0.00	42.26 -0.11 0.00	38.29 -0.06 0.00	32.08 -0.11 0.00	30.23 -0.14 0.00	35.85 0.81 0.00	34.44 1.30 0.00
PLEASANTVLY___LBMP 24000	31.11 1.33 0.00	32.19 1.32 0.00	30.01 1.25 0.00	25.55 1.14 0.00	27.67 1.15 0.00	34.72 1.40 0.00	28.21 1.23 0.00	27.45 1.32 0.00	30.85 1.45 0.00	34.24 1.65 -0.13	42.10 2.28 -0.03	41.00 2.66 0.00	37.96 2.55 0.00	39.93 2.74 0.00	44.02 3.03 0.00	46.63 3.10 0.00	46.47 3.04 -0.10	46.10 2.86 0.00	44.93 2.56 0.00	43.02 1.88 -2.79	33.84 1.63 -0.01	31.95 1.57 0.00	36.59 1.55 0.00	34.41 1.27 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	31.42 1.64 0.00	32.46 1.60 0.00	30.23 1.47 0.00	25.79 1.37 0.00	27.91 1.39 0.00	34.98 1.66 0.00	28.43 1.46 0.00	27.67 1.55 0.00	31.12 1.72 0.00	34.71 2.02 -0.23	42.62 2.76 -0.06	41.57 3.23 0.00	38.54 3.12 0.00	40.54 3.34 0.00	44.66 3.66 0.00	47.29 3.77 0.00	47.18 3.68 -0.17	46.65 3.41 0.00	45.40 3.03 0.00	44.48 2.25 -3.88	34.16 1.95 -0.01	32.24 1.87 0.00	36.93 1.90 0.00	34.73 1.58 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	31.42 1.64 0.00	32.46 1.60 0.00	30.23 1.47 0.00	25.79 1.37 0.00	27.91 1.39 0.00	34.98 1.66 0.00	28.43 1.46 0.00	27.67 1.55 0.00	31.12 1.72 0.00	34.71 2.02 -0.23	42.62 2.76 -0.06	41.57 3.23 0.00	38.54 3.12 0.00	40.54 3.34 0.00	44.66 3.66 0.00	47.29 3.77 0.00	47.18 3.68 -0.17	46.65 3.41 0.00	45.40 3.03 0.00	44.48 2.25 -3.88	34.16 1.95 -0.01	32.24 1.87 0.00	36.93 1.90 0.00	34.73 1.58 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	31.42 1.64 0.00	32.47 1.61 0.00	30.26 1.50 0.00	25.75 1.34 0.00	27.89 1.36 0.00	35.00 1.68 0.00	28.43 1.46 0.00	27.68 1.56 0.00	31.13 1.74 0.00	34.53 2.01 -0.06	42.58 2.77 -0.01	41.53 3.18 0.00	38.48 3.07 0.00	40.52 3.32 0.00	44.72 3.72 0.00	47.43 3.90 0.00	47.17 3.85 0.00	46.86 3.62 0.00	45.66 3.29 0.00	42.22 2.49 -1.37	34.32 2.12 0.00	32.38 2.01 0.00	37.06 2.02 0.00	34.79 1.65 0.00
POLETTI_____ 23519	31.54 1.77 0.00	32.57 1.70 0.00	30.34 1.58 0.00	25.90 1.49 0.00	28.01 1.49 0.00	35.06 1.75 0.00	28.51 1.53 0.00	27.79 1.67 0.00	31.26 1.86 0.00	34.93 2.17 -0.30	42.87 3.00 -0.07	41.83 3.49 0.00	38.77 3.35 0.00	40.75 3.56 0.00	44.85 3.86 0.00	47.46 3.93 0.00	47.41 3.86 -0.22	46.79 3.55 0.00	45.53 3.16 0.00	44.98 2.34 -4.29	34.27 2.06 -0.01	32.32 1.95 0.00	37.03 1.99 0.00	34.83 1.69 0.00
POMONA___ESR 323819	31.18 1.40 0.00	32.22 1.36 0.00	30.02 1.27 0.00	25.66 1.25 0.00	27.79 1.27 0.00	34.74 1.42 0.00	28.25 1.27 0.00	27.54 1.42 0.00	30.92 1.53 0.00	33.75 1.73 0.44	42.14 2.45 0.11	41.27 2.93 0.00	38.28 2.86 0.00	40.30 3.11 0.00	44.45 3.46 0.00	47.07 3.54 0.00	46.44 3.45 0.33	46.43 3.19 0.00	45.17 2.80 0.00	35.10 2.00 5.25	33.93 1.74 0.02	32.03 1.65 0.00	36.69 1.66 0.00	34.56 1.42 0.00
PORT_JEFF_3 23555	31.74 1.97 0.00	32.79 1.92 0.00	30.59 1.83 0.00	26.17 1.76 0.00	28.34 1.81 0.00	35.52 2.20 0.00	28.82 1.84 0.00	28.10 1.98 0.00	31.68 2.28 0.00	35.54 2.77 -0.30	59.51 3.81 -15.90	44.42 4.23 -1.85	46.41 3.94 -7.06	41.32 4.13 0.00	45.42 4.42 0.00	134.91 4.84 -86.54	282.36 4.80 -234.24	260.49 4.36 -212.89	165.63 3.69 -119.57	45.02 2.37 -4.30	43.81 2.07 -9.54	32.32 1.95 0.00	37.04 2.00 0.00	34.64 1.50 0.00
PORT_JEFF_4 23616	31.74 1.97 0.00	32.79 1.92 0.00	30.59 1.83 0.00	26.17 1.76 0.00	28.34 1.81 0.00	35.52 2.20 0.00	28.82 1.84 0.00	28.10 1.98 0.00	31.68 2.28 0.00	35.54 2.77 -0.30	59.51 3.81 -15.90	44.42 4.23 -1.85	46.41 3.94 -7.06	41.32 4.13 0.00	45.42 4.42 0.00	134.91 4.84 -86.54	282.36 4.80 -234.24	260.49 4.36 -212.89	165.63 3.69 -119.57	45.02 2.37 -4.30	43.81 2.07 -9.54	32.32 1.95 0.00	37.04 2.00 0.00	34.64 1.50 0.00



PORT_JEFF_IC 23713	31.78 2.00 0.00	32.82 1.96 0.00	30.62 1.86 0.00	26.19 1.78 0.00	28.36 1.84 0.00	35.55 2.24 0.00	28.84 1.87 0.00	28.13 2.01 0.00	31.71 2.31 0.00	35.59 2.83 -0.30	59.59 3.88 -15.90	44.52 4.32 -1.85	46.39 3.92 -7.06	41.32 4.13 0.00	45.42 4.42 0.00	165.50 4.85 -117.12	362.56 4.83 -314.41	329.54 4.35 -281.95	216.14 3.66 -170.11	44.97 2.32 -4.30	45.03 2.03 -10.81	32.33 1.96 0.00	37.11 2.07 0.00	34.69 1.55 0.00
PPL PILGRIM_ST_GT1 24216	31.85 2.07 0.00	32.92 2.06 0.00	30.72 1.96 0.00	26.28 1.87 0.00	28.48 1.96 0.00	35.71 2.40 0.00	28.96 1.98 0.00	28.20 2.07 0.00	31.77 2.37 0.00	35.58 2.82 -0.30	59.49 3.79 -15.90	44.31 4.13 -1.84	46.42 3.95 -7.06	41.28 4.09 0.00	45.14 4.14 0.00	79.81 4.55 -31.73	86.98 4.51 -39.16	75.07 4.14 -27.70	52.20 3.47 -6.37	44.87 2.21 -4.30	36.18 2.07 -1.92	32.33 1.96 0.00	37.16 2.12 0.00	34.80 1.66 0.00
PPL PILGRIM_ST_GT2 24217	31.85 2.07 0.00	32.92 2.06 0.00	30.72 1.96 0.00	26.28 1.87 0.00	28.48 1.96 0.00	35.71 2.40 0.00	28.96 1.98 0.00	28.20 2.07 0.00	31.77 2.37 0.00	35.58 2.82 -0.30	59.49 3.79 -15.90	44.31 4.13 -1.84	46.42 3.95 -7.06	41.28 4.09 0.00	45.14 4.14 0.00	79.81 4.55 -31.73	86.98 4.51 -39.16	75.07 4.14 -27.70	52.20 3.47 -6.37	44.87 2.21 -4.30	36.18 2.07 -1.92	32.33 1.96 0.00	37.16 2.12 0.00	34.80 1.66 0.00
PPL_SHRM_GT3 24213	31.46 1.69 0.00	32.47 1.61 0.00	30.30 1.54 0.00	25.93 1.52 0.00	28.06 1.54 0.00	35.18 1.86 0.00	28.55 1.57 0.00	27.89 1.77 0.00	31.41 2.01 0.00	35.34 2.58 -0.30	59.31 3.61 -15.90	44.09 3.90 -1.85	46.23 3.76 -7.06	41.15 3.96 0.00	45.22 4.23 0.00	135.23 4.64 -87.07	282.48 4.67 -234.49	260.50 4.26 -213.00	165.96 3.65 -119.94	45.02 2.36 -4.30	43.92 2.24 -9.48	32.35 1.98 0.00	36.99 1.95 0.00	34.56 1.42 0.00
PPL_SHRM_GT4 24214	31.46 1.69 0.00	32.47 1.61 0.00	30.30 1.54 0.00	25.93 1.52 0.00	28.06 1.54 0.00	35.18 1.86 0.00	28.55 1.57 0.00	27.89 1.77 0.00	31.41 2.01 0.00	35.34 2.58 -0.30	59.31 3.61 -15.90	44.09 3.90 -1.85	46.23 3.76 -7.06	41.15 3.96 0.00	45.22 4.23 0.00	135.23 4.64 -87.07	282.48 4.67 -234.49	260.50 4.26 -213.00	165.96 3.65 -119.94	45.02 2.36 -4.30	43.92 2.24 -9.48	32.35 1.98 0.00	36.99 1.95 0.00	34.56 1.42 0.00
PROJECT___ORANGE 1 24174	29.63 -0.15 0.00	30.66 -0.20 0.00	28.56 -0.20 0.00	24.19 -0.23 0.00	26.27 -0.25 0.00	33.03 -0.29 0.00	26.71 -0.27 0.00	25.89 -0.23 0.00	29.08 -0.32 0.00	32.27 -0.19 0.00	39.81 0.01 -0.01	38.59 0.25 0.00	35.65 0.23 0.00	37.51 0.32 0.00	41.43 0.34 -0.10	44.00 0.41 -0.06	43.91 0.47 -0.12	43.70 0.46 0.00	42.90 0.54 0.00	38.78 0.43 0.00	32.51 0.32 0.00	30.69 0.31 0.00	35.27 0.23 0.00	33.10 -0.04 0.00
PROJECT___ORANGE 2 24166	29.63 -0.15 0.00	30.66 -0.20 0.00	28.56 -0.20 0.00	24.19 -0.23 0.00	26.27 -0.25 0.00	33.03 -0.29 0.00	26.71 -0.27 0.00	25.89 -0.23 0.00	29.08 -0.32 0.00	32.27 -0.19 0.00	39.81 0.01 -0.01	38.59 0.25 0.00	35.65 0.23 0.00	37.51 0.32 0.00	41.43 0.34 -0.10	44.00 0.41 -0.06	43.91 0.47 -0.12	43.70 0.46 0.00	42.90 0.54 0.00	38.78 0.43 0.00	32.51 0.32 0.00	30.69 0.31 0.00	35.27 0.23 0.00	33.10 -0.04 0.00
PUCKETT___SOLAR 323809	30.50 0.72 0.00	31.54 0.68 0.00	29.36 0.60 0.00	24.89 0.47 0.00	27.05 0.52 0.00	34.03 0.71 0.00	27.48 0.50 0.00	26.67 0.55 0.00	29.95 0.56 0.00	33.18 0.72 0.00	40.91 1.11 -0.01	39.62 1.28 0.00	36.60 1.19 0.00	38.83 1.63 0.00	42.64 1.58 -0.06	45.39 1.82 -0.04	45.41 2.00 -0.08	45.23 2.00 0.00	44.44 2.08 0.00	40.14 1.78 0.00	33.63 1.43 0.00	31.72 1.34 0.00	36.48 1.44 0.00	34.14 0.99 0.00
PYRITES___HYD 24023	30.14 0.36 0.00	31.12 0.25 0.00	28.95 0.19 0.00	24.55 0.14 0.00	26.76 0.23 0.00	33.47 0.15 0.00	27.08 0.10 0.00	26.13 0.00 0.00	29.61 0.21 0.00	32.61 0.15 0.00	38.66 -1.14 0.00	36.70 -1.65 0.00	33.88 -1.53 0.00	35.51 -1.68 0.00	39.18 -1.85 -0.03	41.84 -1.71 -0.02	41.78 -1.59 -0.04	41.98 -1.26 0.00	41.25 -1.11 0.00	37.77 -0.58 0.00	31.75 -0.45 0.00	29.94 -0.43 0.00	35.30 0.26 0.00	33.61 0.47 0.00
QUAKERRD_115KV_BK1 80622	29.36 -0.42 0.00	30.31 -0.56 0.00	28.23 -0.53 0.00	23.77 -0.65 0.00	25.87 -0.65 0.00	32.54 -0.78 0.00	26.19 -0.78 0.00	25.34 -0.79 0.00	28.37 -1.02 0.00	31.65 -0.81 0.00	39.42 -0.39 0.00	38.25 -0.10 0.00	35.17 -0.24 0.00	36.93 -0.26 0.00	40.67 -0.32 0.00	43.34 -0.19 0.00	43.38 0.06 0.00	43.39 0.15 0.00	42.79 0.43 0.00	38.73 0.38 0.00	32.32 0.12 0.00	30.52 0.14 0.00	35.16 0.12 0.00	32.89 -0.25 0.00
QUENSBRY_115KV_TB8 356137	32.80 3.02 0.00	34.13 3.26 0.00	31.77 3.02 0.00	26.74 2.32 0.00	29.16 2.64 0.00	36.96 3.64 0.00	29.99 3.01 0.00	29.08 2.96 0.00	32.80 3.40 0.00	36.29 3.78 -0.05	44.13 4.32 -0.01	42.36 4.01 0.00	38.53 3.12 0.00	40.58 3.38 0.00	45.04 4.05 0.00	47.94 4.41 0.00	48.18 4.85 0.00	48.23 4.99 0.00	47.28 4.91 0.00	43.77 4.55 -0.87	36.07 3.87 0.00	34.07 3.70 0.00	38.96 3.92 0.00	36.45 3.31 0.00
RAMAPO___LBMP 323565	31.07 1.29 0.00	32.10 1.24 0.00	29.91 1.15 0.00	25.55 1.14 0.00	27.66 1.14 0.00	34.62 1.30 0.00	28.13 1.16 0.00	27.42 1.29 0.00	30.80 1.40 0.00	33.62 1.58 0.42	41.94 2.25 0.10	41.08 2.73 0.00	38.08 2.66 0.00	40.08 2.88 0.00	44.20 3.20 0.00	46.81 3.28 0.00	46.21 3.23 0.35	46.22 2.99 0.00	44.99 2.63 0.00	35.06 1.85 5.14	33.81 1.63 0.02	31.91 1.53 0.00	36.56 1.52 0.00	34.42 1.28 0.00
RANKINE____ 23646	29.93 0.15 0.00	30.86 0.00 0.00	28.76 0.00 0.00	24.07 -0.35 0.00	26.27 -0.25 0.00	33.05 -0.26 0.00	26.45 -0.53 0.00	25.56 -0.57 0.00	28.44 -0.95 0.00	31.94 -0.53 0.00	40.13 0.34 0.00	38.88 0.53 0.00	35.57 0.15 0.00	37.42 0.23 0.00	41.20 0.21 0.00	43.99 0.46 0.00	44.08 0.76 0.00	44.15 0.91 0.00	43.86 1.50 0.00	39.72 1.37 0.00	32.97 0.77 0.00	31.22 0.84 0.00	36.15 1.11 0.00	33.64 0.50 0.00
RAVENSWOOD_GT2_1 24244	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.58 0.00	27.83 1.71 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.95 3.08 -0.07	41.89 3.55 0.00	38.84 3.42 0.00	40.81 3.62 0.00	44.91 3.91 0.00	47.52 3.99 0.00	47.46 3.92 -0.22	46.85 3.61 0.00	45.58 3.21 0.00	45.03 2.39 -4.29	34.31 2.11 -0.01	32.38 2.00 0.00	37.09 2.06 0.00	34.89 1.75 0.00
RAVENSWOOD_GT2_2 24245	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.58 0.00	27.83 1.71 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.95 3.08 -0.07	41.89 3.55 0.00	38.84 3.42 0.00	40.81 3.62 0.00	44.91 3.91 0.00	47.52 3.99 0.00	47.46 3.92 -0.22	46.85 3.61 0.00	45.58 3.21 0.00	45.03 2.39 -4.29	34.31 2.11 -0.01	32.38 2.00 0.00	37.09 2.06 0.00	34.89 1.75 0.00



RAVENSWOOD_GT2_3 24246	31.61 1.83 0.00	32.63 1.77 0.00	30.41 1.66 0.00	25.96 1.55 0.00	28.07 1.55 0.00	35.15 1.83 0.00	28.57 1.60 0.00	27.85 1.73 0.00	31.33 1.94 0.00	35.00 2.24 -0.30	42.98 3.11 -0.07	41.92 3.57 0.00	38.86 3.45 0.00	40.84 3.64 0.00	44.94 3.95 0.00	47.56 4.03 0.00	47.50 3.95 -0.22	46.88 3.64 0.00	45.61 3.24 0.00	45.06 2.42 -4.29	34.34 2.13 -0.01	32.40 2.02 0.00	37.12 2.08 0.00	34.92 1.78 0.00
RAVENSWOOD_GT2_4 24247	31.61 1.83 0.00	32.63 1.77 0.00	30.41 1.66 0.00	25.96 1.55 0.00	28.07 1.55 0.00	35.15 1.83 0.00	28.57 1.60 0.00	27.85 1.73 0.00	31.33 1.94 0.00	35.00 2.24 -0.30	42.98 3.11 -0.07	41.92 3.57 0.00	38.86 3.45 0.00	40.84 3.64 0.00	44.94 3.95 0.00	47.56 4.03 0.00	47.50 3.95 -0.22	46.88 3.64 0.00	45.61 3.24 0.00	45.06 2.42 -4.29	34.34 2.13 -0.01	32.40 2.02 0.00	37.12 2.08 0.00	34.92 1.78 0.00
RAVENSWOOD_GT3_1 24248	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.58 0.00	27.83 1.71 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.95 3.08 -0.07	41.90 3.55 0.00	38.84 3.43 0.00	40.81 3.62 0.00	44.91 3.91 0.00	47.52 3.99 0.00	47.46 3.92 -0.22	46.85 3.61 0.00	45.58 3.21 0.00	45.03 2.39 -4.29	34.31 2.11 -0.01	32.38 2.00 0.00	37.09 2.06 0.00	34.89 1.75 0.00
RAVENSWOOD_GT3_2 24249	31.59 1.82 0.00	32.61 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.58 0.00	27.83 1.71 0.00	31.31 1.92 0.00	34.98 2.22 -0.30	42.95 3.08 -0.07	41.90 3.55 0.00	38.84 3.43 0.00	40.81 3.62 0.00	44.91 3.91 0.00	47.52 3.99 0.00	47.46 3.92 -0.22	46.85 3.61 0.00	45.58 3.21 0.00	45.03 2.39 -4.29	34.31 2.11 -0.01	32.38 2.00 0.00	37.09 2.06 0.00	34.89 1.75 0.00
RAVENSWOOD_GT3_3 24250	31.66 1.88 0.00	32.68 1.82 0.00	30.46 1.70 0.00	25.99 1.57 0.00	28.11 1.59 0.00	35.19 1.88 0.00	28.62 1.64 0.00	27.89 1.76 0.00	31.37 1.98 0.00	35.07 2.31 -0.30	43.05 3.18 -0.07	41.99 3.64 0.00	38.93 3.51 0.00	40.91 3.71 0.00	45.03 4.03 0.00	47.64 4.11 0.00	47.58 4.04 -0.22	46.97 3.72 0.00	45.69 3.32 0.00	45.12 2.49 -4.29	34.40 2.19 -0.01	32.45 2.08 0.00	37.18 2.15 0.00	34.96 1.82 0.00
RAVENSWOOD_GT3_4 24251	31.66 1.88 0.00	32.68 1.82 0.00	30.46 1.70 0.00	25.99 1.57 0.00	28.11 1.59 0.00	35.19 1.88 0.00	28.62 1.64 0.00	27.89 1.76 0.00	31.37 1.98 0.00	35.07 2.31 -0.30	43.05 3.18 -0.07	41.99 3.64 0.00	38.93 3.51 0.00	40.91 3.71 0.00	45.03 4.03 0.00	47.64 4.11 0.00	47.58 4.04 -0.22	46.97 3.72 0.00	45.69 3.32 0.00	45.12 2.49 -4.29	34.40 2.19 -0.01	32.45 2.08 0.00	37.18 2.15 0.00	34.96 1.82 0.00
RAVENSWOOD_GT_1 23729	31.65 1.85 -0.02	32.63 1.77 0.00	30.41 1.66 0.00	25.97 1.56 0.00	28.07 1.55 0.00	35.12 1.81 0.00	28.59 1.61 0.00	27.85 1.73 0.00	31.33 1.94 0.00	35.02 2.27 -0.30	43.03 3.16 -0.07	42.22 3.63 -0.25	43.62 3.51 -4.69	59.51 3.67 -18.64	40.81 3.89 4.08	41.89 3.96 5.59	42.31 3.85 4.85	42.15 3.50 4.60	41.01 3.06 4.42	40.02 2.27 0.60	34.76 2.09 -0.48	32.38 2.01 0.00	37.12 2.08 0.00	35.31 1.79 -0.38
RAVENSWOOD_GT_10 24258	31.59 1.82 0.00	32.62 1.76 0.00	30.40 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.59 0.00	27.84 1.71 0.00	31.31 1.92 0.00	34.99 2.23 -0.30	42.95 3.08 -0.07	41.90 3.55 0.00	38.84 3.43 0.00	40.82 3.62 0.00	44.92 3.92 0.00	47.53 4.00 0.00	47.47 3.92 -0.22	46.87 3.63 0.00	45.60 3.23 0.00	45.04 2.40 -4.29	34.33 2.12 -0.01	32.38 2.01 0.00	37.10 2.06 0.00	34.90 1.75 0.00
RAVENSWOOD_GT_11 24259	31.59 1.82 0.00	32.62 1.76 0.00	30.40 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.59 0.00	27.84 1.71 0.00	31.31 1.92 0.00	34.99 2.23 -0.30	42.95 3.08 -0.07	41.90 3.55 0.00	38.84 3.43 0.00	40.82 3.62 0.00	44.92 3.92 0.00	47.53 4.00 0.00	47.47 3.92 -0.22	46.87 3.63 0.00	45.60 3.23 0.00	45.04 2.40 -4.29	34.33 2.12 -0.01	32.38 2.01 0.00	37.10 2.06 0.00	34.90 1.75 0.00
RAVENSWOOD_GT_4 24252	31.62 1.83 -0.02	32.63 1.77 0.00	30.41 1.65 0.00	25.94 1.53 0.00	28.07 1.55 0.00	35.15 1.83 0.00	28.57 1.60 0.00	27.85 1.73 0.00	31.33 1.93 0.00	34.99 2.23 -0.30	42.94 3.07 -0.07	42.08 3.55 -0.19	42.41 3.42 -3.58	55.01 3.62 -14.20	41.84 3.95 3.11	43.29 4.02 4.26	43.64 3.96 3.64	43.41 3.67 3.50	42.29 3.28 3.36	41.36 2.44 -0.57	34.68 2.13 -0.36	32.39 2.02 0.00	37.12 2.08 0.00	35.20 1.76 -0.29
RAVENSWOOD_GT_5 24254	31.62 1.83 -0.02	32.63 1.77 0.00	30.41 1.65 0.00	25.94 1.53 0.00	28.07 1.55 0.00	35.15 1.83 0.00	28.57 1.60 0.00	27.85 1.73 0.00	31.33 1.93 0.00	34.99 2.23 -0.30	42.94 3.07 -0.07	42.08 3.55 -0.19	42.41 3.42 -3.58	55.01 3.62 -14.20	41.84 3.95 3.11	43.29 4.02 4.26	43.64 3.96 3.64	43.41 3.67 3.50	42.29 3.28 3.36	41.36 2.44 -0.57	34.68 2.13 -0.36	32.39 2.02 0.00	37.12 2.08 0.00	35.20 1.76 -0.29
RAVENSWOOD_GT_6 24253	31.62 1.83 -0.02	32.63 1.77 0.00	30.41 1.65 0.00	25.94 1.53 0.00	28.07 1.55 0.00	35.15 1.83 0.00	28.57 1.60 0.00	27.85 1.73 0.00	31.33 1.93 0.00	34.99 2.23 -0.30	42.94 3.07 -0.07	42.08 3.55 -0.19	42.41 3.42 -3.58	55.01 3.62 -14.20	41.84 3.95 3.11	43.29 4.02 4.26	43.64 3.96 3.64	43.41 3.67 3.50	42.29 3.28 3.36	41.36 2.44 -0.57	34.68 2.13 -0.36	32.39 2.02 0.00	37.12 2.08 0.00	35.20 1.76 -0.29
RAVENSWOOD_GT_7 24255	31.62 1.83 -0.02	32.63 1.77 0.00	30.41 1.65 0.00	25.94 1.53 0.00	28.07 1.55 0.00	35.15 1.83 0.00	28.57 1.60 0.00	27.85 1.73 0.00	31.33 1.93 0.00	34.99 2.23 -0.30	42.94 3.07 -0.07	42.08 3.55 -0.19	42.41 3.42 -3.58	55.01 3.62 -14.20	41.84 3.95 3.11	43.29 4.02 4.26	43.64 3.96 3.64	43.41 3.67 3.50	42.29 3.28 3.36	41.36 2.44 -0.57	34.68 2.13 -0.36	32.39 2.02 0.00	37.12 2.08 0.00	35.20 1.76 -0.29
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	31.59 1.82 0.00	32.62 1.76 0.00	30.40 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.59 0.00	27.84 1.71 0.00	31.31 1.92 0.00	34.99 2.23 -0.30	42.95 3.08 -0.07	41.90 3.55 0.00	38.84 3.43 0.00	40.82 3.62 0.00	44.92 3.92 0.00	47.53 4.00 0.00	47.47 3.92 -0.22	46.87 3.63 0.00	45.60 3.23 0.00	45.04 2.40 -4.29	34.33 2.12 -0.01	32.38 2.01 0.00	37.10 2.06 0.00	34.90 1.75 0.00
RAVENSWOOD_GT_9 24257	31.59 1.82 0.00	32.62 1.76 0.00	30.40 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.59 0.00	27.84 1.71 0.00	31.31 1.92 0.00	34.99 2.23 -0.30	42.95 3.08 -0.07	41.90 3.55 0.00	38.84 3.43 0.00	40.82 3.62 0.00	44.92 3.92 0.00	47.53 4.00 0.00	47.47 3.92 -0.22	46.87 3.63 0.00	45.60 3.23 0.00	45.04 2.40 -4.29	34.33 2.12 -0.01	32.38 2.01 0.00	37.10 2.06 0.00	34.90 1.75 0.00



RAVENSWOOD___1 23533	31.60 1.82 0.00	32.60 1.74 0.00	30.39 1.63 0.00	25.96 1.54 0.00	28.05 1.53 0.00	35.10 1.78 0.00	28.56 1.58 0.00	27.83 1.70 0.00	31.30 1.91 0.00	35.00 2.24 -0.30	43.02 3.15 -0.07	41.94 3.60 0.00	38.89 3.48 0.00	40.84 3.64 0.00	41.29 3.87 3.58	34.36 3.94 13.11	35.08 3.82 12.06	35.48 3.47 11.23	34.84 3.03 10.57	33.05 2.24 7.53	34.05 2.07 0.21	32.37 1.99 0.00	37.08 2.05 0.00	34.90 1.75 0.00
RAVENSWOOD___2 23534	31.45 1.68 0.00	32.45 1.59 0.00	30.26 1.50 0.00	25.89 1.48 0.00	27.96 1.43 0.00	34.93 1.62 0.00	28.43 1.45 0.00	27.71 1.58 0.00	31.16 1.76 0.00	34.84 2.08 -0.30	42.91 3.04 -0.07	41.86 3.51 0.00	38.80 3.39 0.00	40.66 3.46 0.00	40.89 3.53 3.64	33.82 3.61 13.32	34.51 3.45 12.26	34.93 3.10 11.41	34.29 2.66 10.74	32.58 1.96 7.72	33.92 1.94 0.21	32.29 1.91 0.00	36.91 1.87 0.00	34.74 1.59 0.00
RAVENSWOOD___3 23535	31.59 1.82 0.00	32.62 1.75 0.00	30.39 1.64 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.58 0.00	27.84 1.71 0.00	31.31 1.92 0.00	34.98 2.23 -0.30	42.95 3.08 -0.07	41.90 3.55 0.00	38.84 3.43 0.00	40.81 3.62 0.00	44.91 3.92 0.00	47.52 3.99 0.00	47.46 3.92 -0.22	46.85 3.61 0.00	45.59 3.22 0.00	45.03 2.39 -4.29	34.31 2.10 -0.01	32.38 2.00 0.00	37.10 2.06 0.00	34.90 1.75 0.00
RAVENSWOOD___4 23820	31.55 1.79 0.02	32.57 1.71 0.00	30.36 1.60 0.00	25.94 1.53 0.00	28.03 1.50 0.00	35.07 1.75 0.00	28.53 1.55 0.00	27.80 1.68 0.00	31.28 1.88 0.00	34.97 2.21 -0.30	43.00 3.13 -0.07	41.67 3.57 0.24	34.24 3.45 4.62	22.45 3.62 18.36	41.69 3.85 3.15	26.69 3.91 20.75	27.73 3.79 19.38	28.72 3.44 17.96	28.57 3.01 16.81	26.01 2.22 14.57	33.35 2.04 0.89	32.34 1.97 0.00	37.06 2.02 0.00	34.48 1.72 0.38
RCPL_TRUST___DRP 24196	31.59 1.81 0.00	32.61 1.75 0.00	30.39 1.63 0.00	25.94 1.53 0.00	28.06 1.54 0.00	35.12 1.81 0.00	28.56 1.58 0.00	27.84 1.71 0.00	31.32 1.92 0.00	34.98 2.22 -0.30	42.94 3.07 -0.07	41.91 3.57 0.00	38.85 3.44 0.00	40.82 3.63 0.00	44.92 3.92 0.00	47.52 3.99 0.00	47.49 3.94 -0.22	46.88 3.64 0.00	45.61 3.24 0.00	45.04 2.40 -4.29	34.30 2.10 -0.01	32.37 2.00 0.00	37.09 2.05 0.00	34.88 1.73 0.00
RED___ROCHESTER 323720	30.23 0.45 0.00	31.19 0.33 0.00	29.04 0.28 0.00	24.40 -0.01 0.00	26.58 0.05 0.00	33.43 0.11 0.00	26.88 -0.09 0.00	26.00 -0.12 0.00	29.09 -0.31 0.00	32.51 0.05 0.00	40.60 0.80 0.00	39.47 1.12 0.00	36.26 0.85 0.00	38.07 0.88 0.00	41.92 0.92 0.00	44.68 1.15 0.00	44.79 1.47 0.00	44.81 1.57 0.00	44.22 1.86 0.00	40.04 1.69 0.00	33.38 1.18 0.00	31.53 1.15 0.00	36.35 1.31 0.00	33.92 0.78 0.00
REGAN___SOLAR 323812	33.46 3.69 0.00	34.54 3.67 0.00	32.06 3.30 0.00	27.13 2.72 0.00	29.51 2.99 0.00	37.11 3.79 0.00	30.04 3.07 0.00	29.18 3.05 0.00	32.87 3.48 0.00	35.96 3.50 0.00	44.03 4.23 0.00	40.69 2.35 0.00	36.02 0.61 0.00	38.23 1.03 0.00	43.47 2.47 0.00	48.13 4.60 0.00	48.38 5.06 0.00	48.69 5.45 0.00	48.63 6.26 0.00	45.03 6.05 -0.62	37.23 5.03 0.00	34.96 4.58 0.00	40.13 5.09 0.00	37.62 4.48 0.00
RENSSELAER___COGEN 23796	30.34 0.56 0.00	31.51 0.64 0.00	29.36 0.60 0.00	24.92 0.51 0.00	27.06 0.53 0.00	34.04 0.72 0.00	27.61 0.63 0.00	26.75 0.63 0.00	29.98 0.58 0.00	33.16 0.65 -0.05	40.58 0.77 -0.01	39.17 0.83 0.00	36.17 0.76 0.00	38.08 0.88 0.00	42.07 1.07 0.00	44.56 1.03 0.00	44.27 0.95 0.00	44.25 1.01 0.00	43.27 0.91 0.00	39.93 0.67 -0.91	32.82 0.62 0.00	31.00 0.63 0.00	35.49 0.45 0.00	33.47 0.33 0.00
REPUBLIC_115KV_BARTNBRK 55605	34.45 4.68 0.00	35.90 5.03 0.00	33.49 4.73 0.00	27.87 3.45 0.00	30.53 4.01 0.00	39.12 5.81 0.00	31.75 4.77 0.00	30.69 4.57 0.00	34.79 5.40 0.00	38.33 5.82 -0.05	46.69 6.88 -0.01	44.63 6.28 0.00	40.26 4.85 0.00	42.36 5.17 0.00	47.22 6.23 0.00	50.27 6.74 0.00	51.06 7.74 0.00	51.00 7.76 0.00	49.04 6.67 0.00	45.73 6.51 -0.87	37.61 5.41 0.00	35.61 5.24 0.00	40.68 5.64 0.00	37.97 4.83 0.00
REVERE_CPPR_DRP 24186	31.02 1.24 0.00	32.07 1.21 0.00	29.84 1.08 0.00	25.28 0.87 0.00	27.44 0.91 0.00	34.45 1.13 0.00	27.86 0.88 0.00	26.98 0.86 0.00	30.36 0.97 0.00	33.58 1.11 0.00	41.31 1.52 0.00	39.98 1.64 0.00	37.03 1.61 0.00	39.00 1.81 0.00	43.05 2.01 -0.05	45.81 2.25 -0.03	45.84 2.46 -0.06	45.72 2.48 0.00	44.94 2.58 0.00	40.69 2.34 0.00	34.14 1.95 0.00	32.14 1.77 0.00	36.94 1.90 0.00	34.62 1.48 0.00
REYNOLDS_115KV_TB3 80639	30.59 0.81 0.00	31.77 0.90 0.00	29.60 0.84 0.00	25.11 0.69 0.00	27.28 0.76 0.00	34.33 1.02 0.00	27.86 0.88 0.00	26.99 0.87 0.00	30.24 0.85 0.00	33.45 0.94 -0.05	40.93 1.12 -0.01	39.55 1.21 0.00	36.50 1.09 0.00	38.40 1.21 0.00	42.45 1.45 0.00	44.94 1.41 0.00	44.67 1.35 0.00	44.67 1.43 0.00	43.68 1.31 0.00	40.37 1.06 -0.95	33.17 0.97 0.00	31.33 0.96 0.00	35.85 0.81 0.00	33.79 0.65 0.00
RIVERBAY____ 323610	31.91 2.13 0.00	32.84 1.97 0.00	30.63 1.87 0.00	26.14 1.73 0.00	28.26 1.74 0.00	35.37 2.05 0.00	28.84 1.86 0.00	28.11 1.99 0.00	31.57 2.18 0.00	35.26 2.50 -0.30	43.28 3.41 -0.07	42.21 3.87 0.00	39.17 3.76 0.00	41.16 3.96 0.00	45.39 4.40 0.01	48.14 4.61 0.01	48.09 4.55 -0.22	47.41 4.16 -0.01	45.99 3.61 -0.01	45.38 2.74 -4.30	34.69 2.48 -0.02	32.65 2.28 0.00	37.44 2.40 0.00	35.20 2.06 0.00
RIVERSIDE_115KV_TB3 55908	30.51 0.73 0.00	31.68 0.81 0.00	29.52 0.76 0.00	25.04 0.63 0.00	27.20 0.68 0.00	34.23 0.91 0.00	27.77 0.80 0.00	26.92 0.79 0.00	30.16 0.76 0.00	33.37 0.85 -0.05	40.84 1.03 -0.01	39.45 1.11 0.00	36.42 1.00 0.00	38.33 1.13 0.00	42.36 1.36 0.00	44.88 1.35 0.00	44.61 1.28 0.00	44.59 1.35 0.00	43.60 1.23 0.00	40.25 0.97 -0.93	33.09 0.89 0.00	31.25 0.87 0.00	35.76 0.72 0.00	33.70 0.56 0.00
ROARING___BROOK_WT_PWR 323790	29.68 -0.09 0.00	30.76 -0.11 0.00	28.66 -0.10 0.00	24.33 -0.08 0.00	26.44 -0.08 0.00	33.17 -0.15 0.00	26.79 -0.18 0.00	25.87 -0.25 0.00	29.24 -0.16 0.00	32.30 -0.16 0.00	39.42 -0.38 0.00	37.81 -0.53 0.00	34.89 -0.52 0.00	36.61 -0.59 0.00	40.38 -0.62 0.00	42.89 -0.64 0.00	42.64 -0.68 0.00	42.54 -0.70 0.00	41.73 -0.64 0.00	37.90 -0.45 0.00	31.79 -0.40 0.00	29.89 -0.48 0.00	34.66 -0.38 0.00	32.87 -0.27 0.00
ROCHESRG_115KV_T4 355643	29.83 0.05 0.00	30.79 -0.07 0.00	28.68 -0.07 0.00	24.12 -0.30 0.00	26.27 -0.26 0.00	33.04 -0.27 0.00	26.56 -0.41 0.00	25.68 -0.45 0.00	28.71 -0.68 0.00	32.06 -0.40 0.00	40.02 0.22 0.00	38.83 0.48 0.00	35.65 0.23 0.00	37.45 0.25 0.00	41.22 0.23 0.00	43.96 0.42 0.00	44.02 0.69 0.00	44.05 0.81 0.00	43.50 1.13 0.00	39.37 1.02 0.00	32.82 0.62 0.00	31.02 0.64 0.00	35.78 0.74 0.00	33.44 0.30 0.00



ROCHESTER_9_IC 23652	30.04 0.26 0.00	31.01 0.14 0.00	28.88 0.12 0.00	24.27 -0.14 0.00	26.43 -0.09 0.00	33.25 -0.07 0.00	26.73 -0.25 0.00	25.85 -0.28 0.00	28.91 -0.48 0.00	32.30 -0.16 0.00	40.34 0.54 0.00	39.16 0.81 0.00	35.97 0.55 0.00	37.77 0.58 0.00	41.58 0.58 0.00	44.33 0.80 0.00	44.42 1.09 0.00	44.43 1.19 0.00	43.88 1.51 0.00	39.71 1.36 0.00	33.10 0.91 0.00	31.29 0.91 0.00	36.08 1.04 0.00	33.69 0.55 0.00
ROCKVIEW_13_KV_LD 356306	31.65 1.87 0.00	32.68 1.82 0.00	30.41 1.65 0.00	25.94 1.53 0.00	28.07 1.55 0.00	35.17 1.85 0.00	28.61 1.63 0.00	27.86 1.74 0.00	31.33 1.94 0.00	35.00 2.25 -0.30	42.97 3.10 -0.07	41.90 3.55 0.00	38.88 3.46 0.00	40.86 3.66 0.00	44.98 3.99 0.00	47.63 4.10 0.00	47.57 4.02 -0.22	46.97 3.73 0.00	45.68 3.31 0.00	45.10 2.46 -4.29	34.36 2.15 -0.01	32.42 2.04 0.00	37.14 2.11 0.00	34.93 1.79 0.00
ROME____115KV_TB2 80656	31.02 1.24 0.00	32.07 1.21 0.00	29.84 1.08 0.00	25.28 0.87 0.00	27.44 0.91 0.00	34.45 1.13 0.00	27.86 0.88 0.00	26.98 0.86 0.00	30.36 0.97 0.00	33.58 1.11 0.00	41.31 1.52 0.00	39.98 1.64 0.00	37.03 1.61 0.00	39.00 1.81 0.00	43.05 2.01 -0.05	45.81 2.25 -0.03	45.84 2.46 -0.06	45.72 2.48 0.00	44.94 2.58 0.00	40.69 2.34 0.00	34.14 1.95 0.00	32.14 1.77 0.00	36.94 1.90 0.00	34.62 1.48 0.00
ROSETON____1 23587	31.00 1.22 0.00	32.06 1.20 0.00	29.91 1.15 0.00	25.48 1.07 0.00	27.60 1.07 0.00	34.61 1.29 0.00	28.12 1.15 0.00	27.36 1.23 0.00	30.74 1.34 0.00	33.97 1.51 0.00	41.92 2.12 0.00	40.88 2.53 0.00	37.86 2.44 0.00	39.82 2.63 0.00	43.88 2.89 0.00	46.48 2.95 0.00	46.21 2.89 0.00	45.92 2.68 0.00	44.76 2.40 0.00	37.08 1.73 3.00	33.70 1.51 0.01	31.85 1.47 0.00	36.49 1.46 0.00	34.33 1.19 0.00
ROSETON____2 23588	31.00 1.22 0.00	32.06 1.20 0.00	29.91 1.15 0.00	25.48 1.07 0.00	27.60 1.07 0.00	34.61 1.29 0.00	28.12 1.15 0.00	27.36 1.23 0.00	30.74 1.34 0.00	33.97 1.51 0.00	41.92 2.12 0.00	40.88 2.53 0.00	37.86 2.44 0.00	39.82 2.63 0.00	43.88 2.89 0.00	46.48 2.95 0.00	46.21 2.89 0.00	45.92 2.68 0.00	44.76 2.40 0.00	37.08 1.73 3.00	33.70 1.51 0.01	31.85 1.47 0.00	36.49 1.46 0.00	34.33 1.19 0.00
ROTTDRAM_115KV_TB3 80664	30.76 0.99 0.00	31.90 1.03 0.00	29.72 0.96 0.00	25.21 0.80 0.00	27.38 0.85 0.00	34.45 1.14 0.00	27.93 0.96 0.00	27.06 0.93 0.00	30.39 1.00 0.00	33.62 1.12 -0.04	41.22 1.41 -0.01	39.75 1.41 0.00	36.62 1.21 0.00	38.51 1.32 0.00	42.54 1.54 0.00	45.20 1.67 0.00	45.04 1.72 0.00	45.01 1.77 0.00	44.09 1.72 0.00	40.61 1.47 -0.78	33.48 1.28 0.00	31.61 1.24 0.00	36.27 1.23 0.00	34.14 1.00 0.00
RUSSELL____1 23602	30.23 0.46 0.00	31.19 0.33 0.00	29.04 0.28 0.00	24.40 -0.01 0.00	26.58 0.05 0.00	33.43 0.11 0.00	26.88 -0.09 0.00	26.00 -0.13 0.00	29.09 -0.31 0.00	32.50 0.04 0.00	40.62 0.82 0.00	39.46 1.12 0.00	36.26 0.85 0.00	38.07 0.88 0.00	41.91 0.92 0.00	44.69 1.16 0.00	44.78 1.46 0.00	44.81 1.57 0.00	44.24 1.87 0.00	40.05 1.69 0.00	33.37 1.17 0.00	31.53 1.16 0.00	36.35 1.31 0.00	33.92 0.78 0.00
RUSSELL____2 23532	30.23 0.46 0.00	31.19 0.33 0.00	29.04 0.28 0.00	24.40 -0.01 0.00	26.58 0.05 0.00	33.43 0.11 0.00	26.88 -0.09 0.00	26.00 -0.13 0.00	29.09 -0.31 0.00	32.50 0.04 0.00	40.62 0.82 0.00	39.46 1.12 0.00	36.26 0.85 0.00	38.07 0.88 0.00	41.91 0.92 0.00	44.69 1.16 0.00	44.78 1.46 0.00	44.81 1.57 0.00	44.24 1.87 0.00	40.05 1.69 0.00	33.37 1.17 0.00	31.53 1.16 0.00	36.35 1.31 0.00	33.92 0.78 0.00
RUSSELL____3 23549	30.23 0.46 0.00	31.19 0.33 0.00	29.04 0.28 0.00	24.40 -0.01 0.00	26.58 0.05 0.00	33.43 0.11 0.00	26.88 -0.09 0.00	26.00 -0.13 0.00	29.09 -0.31 0.00	32.50 0.04 0.00	40.62 0.82 0.00	39.46 1.12 0.00	36.26 0.85 0.00	38.07 0.88 0.00	41.91 0.92 0.00	44.69 1.16 0.00	44.78 1.46 0.00	44.81 1.57 0.00	44.24 1.87 0.00	40.05 1.69 0.00	33.37 1.17 0.00	31.53 1.16 0.00	36.35 1.31 0.00	33.92 0.78 0.00
RUSSELL____4 23556	30.23 0.46 0.00	31.19 0.33 0.00	29.04 0.28 0.00	24.40 -0.01 0.00	26.58 0.05 0.00	33.43 0.11 0.00	26.88 -0.09 0.00	26.00 -0.13 0.00	29.09 -0.31 0.00	32.50 0.04 0.00	40.62 0.82 0.00	39.46 1.12 0.00	36.26 0.85 0.00	38.07 0.88 0.00	41.91 0.92 0.00	44.69 1.16 0.00	44.78 1.46 0.00	44.81 1.57 0.00	44.24 1.87 0.00	40.05 1.69 0.00	33.37 1.17 0.00	31.53 1.16 0.00	36.35 1.31 0.00	33.92 0.78 0.00
RUSSELL____STATION 23914	30.23 0.46 0.00	31.19 0.33 0.00	29.04 0.28 0.00	24.40 -0.01 0.00	26.58 0.05 0.00	33.43 0.11 0.00	26.88 -0.09 0.00	26.00 -0.13 0.00	29.09 -0.31 0.00	32.50 0.04 0.00	40.62 0.82 0.00	39.46 1.12 0.00	36.26 0.85 0.00	38.07 0.88 0.00	41.91 0.92 0.00	44.69 1.16 0.00	44.78 1.46 0.00	44.81 1.57 0.00	44.24 1.87 0.00	40.05 1.69 0.00	33.37 1.17 0.00	31.53 1.16 0.00	36.35 1.31 0.00	33.92 0.78 0.00
S SALMON____HYD 24043	29.82 0.04 0.00	30.81 -0.05 0.00	28.68 -0.08 0.00	24.28 -0.13 0.00	26.33 -0.19 0.00	33.03 -0.28 0.00	26.69 -0.29 0.00	25.84 -0.29 0.00	29.11 -0.29 0.00	32.23 -0.22 0.00	39.70 -0.12 -0.02	38.45 0.11 0.00	35.53 0.12 0.00	37.42 0.22 0.00	41.34 0.12 -0.23	43.95 0.27 -0.15	43.90 0.28 -0.30	43.43 0.19 0.00	42.68 0.32 0.00	38.78 0.43 0.00	32.57 0.38 0.00	30.71 0.34 0.00	35.46 0.42 0.00	33.13 -0.01 0.00
S.PERRY__115KV_TB1 80734	30.87 1.10 0.00	32.11 1.25 0.00	29.87 1.11 0.00	25.11 0.70 0.00	27.35 0.83 0.00	34.43 1.11 0.00	27.67 0.70 0.00	26.79 0.67 0.00	29.87 0.47 0.00	33.32 0.86 0.00	41.46 1.67 0.00	40.11 1.76 0.00	36.36 0.95 0.00	37.93 0.73 0.00	41.50 0.50 0.00	44.22 0.69 0.00	44.05 0.72 0.00	44.36 1.12 0.00	44.02 1.66 0.00	39.97 1.62 0.00	33.56 1.36 0.00	31.75 1.37 0.00	37.28 2.24 0.00	35.04 1.90 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	29.68 -0.10 0.00	30.61 -0.26 0.00	28.53 -0.23 0.00	23.86 -0.55 0.00	26.05 -0.47 0.00	32.78 -0.54 0.00	26.22 -0.75 0.00	25.29 -0.84 0.00	28.12 -1.28 0.00	31.56 -0.91 0.00	39.68 -0.11 0.00	38.43 0.08 0.00	35.14 -0.28 0.00	36.95 -0.25 0.00	40.71 -0.29 0.00	43.47 -0.06 0.00	43.58 0.26 0.00	43.69 0.45 0.00	43.38 1.02 0.00	39.29 0.94 0.00	32.59 0.39 0.00	30.89 0.52 0.00	35.78 0.74 0.00	33.34 0.20 0.00
SAWYER____23_KV_LOAD 55526	29.68 -0.10 0.00	30.61 -0.26 0.00	28.53 -0.23 0.00	23.86 -0.55 0.00	26.05 -0.47 0.00	32.78 -0.54 0.00	26.22 -0.75 0.00	25.29 -0.84 0.00	28.12 -1.28 0.00	31.56 -0.91 0.00	39.68 -0.11 0.00	38.43 0.08 0.00	35.14 -0.28 0.00	36.95 -0.25 0.00	40.71 -0.29 0.00	43.47 -0.06 0.00	43.58 0.26 0.00	43.69 0.45 0.00	43.38 1.02 0.00	39.29 0.94 0.00	32.59 0.39 0.00	30.89 0.52 0.00	35.78 0.74 0.00	33.34 0.20 0.00



SELKIRK___I 23801	30.59 0.81 0.00	31.81 0.94 0.00	29.63 0.87 0.00	25.15 0.73 0.00	27.32 0.79 0.00	34.37 1.06 0.00	27.86 0.88 0.00	26.95 0.82 0.00	30.21 0.82 0.00	33.37 0.87 -0.04	40.76 0.96 -0.01	39.28 0.93 0.00	36.23 0.82 0.00	38.08 0.88 0.00	42.04 1.05 0.00	44.60 1.07 0.00	44.44 1.11 0.00	44.44 1.20 0.00	43.52 1.15 0.00	40.08 0.95 -0.78	33.05 0.85 0.00	31.19 0.82 0.00	35.71 0.67 0.00	33.72 0.57 0.00
SELKIRK___II 23799	30.38 0.60 0.00	31.58 0.71 0.00	29.43 0.67 0.00	24.99 0.57 0.00	27.13 0.60 0.00	34.13 0.81 0.00	27.67 0.69 0.00	26.80 0.67 0.00	30.05 0.66 0.00	33.24 0.73 -0.05	40.67 0.86 -0.01	39.15 0.80 0.00	36.15 0.74 0.00	38.12 0.93 0.00	42.09 1.09 0.00	44.60 1.07 0.00	44.16 0.84 0.00	44.11 0.86 0.00	43.14 0.77 0.00	39.75 0.55 -0.85	32.71 0.51 0.00	30.89 0.51 0.00	35.39 0.35 0.00	33.37 0.23 0.00
SENECA OSWGO___HYD 24041	29.39 -0.39 0.00	30.43 -0.44 0.00	28.34 -0.42 0.00	24.00 -0.41 0.00	26.07 -0.46 0.00	32.76 -0.56 0.00	26.50 -0.48 0.00	25.67 -0.45 0.00	28.83 -0.56 0.00	31.94 -0.52 0.00	39.44 -0.39 -0.03	38.16 -0.18 0.00	35.24 -0.17 0.00	37.06 -0.13 0.00	41.09 -0.23 -0.32	43.58 -0.16 -0.21	43.63 -0.12 -0.42	43.16 -0.08 0.00	42.35 -0.01 0.00	38.33 -0.02 0.00	32.17 -0.02 0.00	30.39 0.01 0.00	34.94 -0.10 0.00	32.80 -0.34 0.00
SENECA___115KV_TB3 355854	29.98 0.20 0.00	30.91 0.05 0.00	28.81 0.05 0.00	24.11 -0.30 0.00	26.31 -0.21 0.00	33.11 -0.20 0.00	26.49 -0.48 0.00	25.60 -0.53 0.00	28.49 -0.91 0.00	31.99 -0.47 0.00	40.21 0.41 0.00	38.95 0.60 0.00	35.64 0.22 0.00	37.50 0.30 0.00	41.28 0.28 0.00	44.08 0.55 0.00	44.16 0.84 0.00	44.23 0.99 0.00	43.95 1.59 0.00	39.80 1.45 0.00	33.03 0.84 0.00	31.28 0.90 0.00	36.22 1.18 0.00	33.70 0.56 0.00
SENECA___ENERGY 23797	29.99 0.21 0.00	30.95 0.08 0.00	28.80 0.05 0.00	24.31 -0.10 0.00	26.46 -0.07 0.00	33.28 -0.04 0.00	26.86 -0.12 0.00	26.06 -0.06 0.00	29.22 -0.18 0.00	32.47 0.00 0.00	40.21 0.41 -0.01	39.06 0.71 0.00	36.08 0.67 0.00	37.89 0.70 0.00	41.98 0.85 -0.13	44.57 0.96 -0.08	44.51 1.02 -0.16	44.28 1.04 0.00	43.59 1.23 0.00	39.49 1.14 0.00	33.15 0.95 0.00	31.21 0.84 0.00	35.87 0.83 0.00	33.58 0.44 0.00
SHOEMAKER___GT 23640	30.91 1.13 0.00	31.97 1.11 0.00	29.80 1.04 0.00	25.39 0.98 0.00	27.52 0.99 0.00	34.49 1.17 0.00	28.01 1.04 0.00	27.23 1.11 0.00	30.58 1.19 0.00	33.53 1.33 0.26	41.62 1.89 0.06	40.62 2.27 0.00	37.60 2.18 0.00	39.56 2.36 0.00	43.77 2.78 0.00	46.34 2.81 0.00	45.87 2.76 0.21	45.83 2.59 0.00	44.68 2.31 0.00	36.24 1.70 3.81	33.67 1.49 0.01	31.80 1.42 0.00	36.46 1.42 0.00	34.30 1.16 0.00
SHOEMAKR_138KV_BK 111 55601	30.90 1.12 0.00	31.96 1.10 0.00	29.79 1.04 0.00	25.38 0.97 0.00	27.51 0.98 0.00	34.48 1.16 0.00	28.00 1.02 0.00	27.23 1.11 0.00	30.58 1.18 0.00	33.55 1.33 0.25	41.63 1.90 0.06	40.63 2.29 0.00	37.63 2.22 0.00	39.58 2.39 0.00	43.76 2.76 0.00	46.33 2.80 0.00	45.88 2.76 0.20	45.81 2.57 0.00	44.64 2.27 0.00	36.32 1.68 3.71	33.65 1.47 0.01	31.77 1.39 0.00	36.43 1.39 0.00	34.28 1.14 0.00
SHOREHAM_IC_1 23715	31.46 1.69 0.00	32.47 1.61 0.00	30.30 1.54 0.00	25.93 1.52 0.00	28.06 1.54 0.00	35.18 1.86 0.00	28.55 1.57 0.00	27.89 1.77 0.00	31.41 2.01 0.00	35.34 2.58 -0.30	59.31 3.61 -15.90	44.09 3.90 -1.85	46.23 3.76 -7.06	41.15 3.96 0.00	45.22 4.23 0.00	135.23 4.64 -87.07	282.48 4.67 -234.49	260.50 4.26 -213.00	165.96 3.65 -119.94	45.02 2.36 -4.30	43.92 2.24 -9.48	32.35 1.98 0.00	36.99 1.95 0.00	34.56 1.42 0.00
SHOREHAM_IC_2 23716	31.46 1.69 0.00	32.47 1.61 0.00	30.30 1.54 0.00	25.93 1.52 0.00	28.06 1.54 0.00	35.18 1.86 0.00	28.55 1.57 0.00	27.89 1.77 0.00	31.41 2.01 0.00	35.34 2.58 -0.30	59.31 3.61 -15.90	44.09 3.90 -1.85	46.23 3.76 -7.06	41.15 3.96 0.00	45.22 4.23 0.00	135.23 4.64 -87.07	282.48 4.67 -234.49	260.50 4.26 -213.00	165.96 3.65 -119.94	45.02 2.36 -4.30	43.92 2.24 -9.48	32.35 1.98 0.00	36.99 1.95 0.00	34.56 1.42 0.00
SISSONVILLE____ 23735	29.50 -0.28 0.00	30.45 -0.41 0.00	28.34 -0.42 0.00	24.03 -0.38 0.00	26.19 -0.33 0.00	32.78 -0.54 0.00	26.50 -0.48 0.00	25.59 -0.54 0.00	29.03 -0.37 0.00	32.07 -0.40 0.00	38.24 -1.56 0.00	36.38 -1.96 0.00	33.63 -1.79 0.00	35.23 -1.97 0.00	38.82 -2.21 -0.03	41.35 -2.20 -0.02	41.21 -2.15 -0.04	41.23 -2.01 0.00	40.51 -1.85 0.00	37.00 -1.35 0.00	31.02 -1.18 0.00	29.23 -1.15 0.00	34.49 -0.55 0.00	32.81 -0.34 0.00
SITHE_IND_GS1 24169	28.95 -0.83 0.00	29.98 -0.89 0.00	27.93 -0.83 0.00	23.66 -0.75 0.00	25.71 -0.82 0.00	32.31 -1.00 0.00	26.13 -0.84 0.00	25.31 -0.81 0.00	28.44 -0.95 0.00	31.50 -0.96 0.00	38.71 -1.02 0.08	37.52 -0.82 0.00	34.64 -0.77 0.00	36.40 -0.79 0.00	39.17 -0.90 0.93	42.01 -0.92 0.61	41.25 -0.86 1.21	42.41 -0.82 0.00	41.60 -0.77 0.00	37.64 -0.71 0.00	31.57 -0.62 0.00	29.79 -0.58 0.00	34.29 -0.74 0.00	32.28 -0.86 0.00
SITHE_IND_GS2 24170	28.95 -0.83 0.00	29.98 -0.89 0.00	27.93 -0.83 0.00	23.66 -0.75 0.00	25.71 -0.82 0.00	32.31 -1.00 0.00	26.13 -0.84 0.00	25.31 -0.81 0.00	28.44 -0.95 0.00	31.50 -0.96 0.00	38.71 -1.02 0.08	37.52 -0.82 0.00	34.64 -0.77 0.00	36.40 -0.79 0.00	39.17 -0.90 0.93	42.01 -0.92 0.61	41.25 -0.86 1.21	42.41 -0.82 0.00	41.60 -0.77 0.00	37.64 -0.71 0.00	31.57 -0.62 0.00	29.79 -0.58 0.00	34.29 -0.74 0.00	32.28 -0.86 0.00
SITHE_IND_GS3 24171	28.95 -0.83 0.00	29.98 -0.89 0.00	27.93 -0.83 0.00	23.66 -0.75 0.00	25.71 -0.82 0.00	32.31 -1.00 0.00	26.13 -0.84 0.00	25.31 -0.81 0.00	28.44 -0.95 0.00	31.50 -0.96 0.00	38.71 -1.02 0.08	37.52 -0.82 0.00	34.64 -0.77 0.00	36.40 -0.79 0.00	39.17 -0.90 0.93	42.01 -0.92 0.61	41.25 -0.86 1.21	42.41 -0.82 0.00	41.60 -0.77 0.00	37.64 -0.71 0.00	31.57 -0.62 0.00	29.79 -0.58 0.00	34.29 -0.74 0.00	32.28 -0.86 0.00
SITHE_IND_GS4 24172	28.95 -0.83 0.00	29.98 -0.89 0.00	27.93 -0.83 0.00	23.66 -0.75 0.00	25.71 -0.82 0.00	32.31 -1.00 0.00	26.13 -0.84 0.00	25.31 -0.81 0.00	28.44 -0.95 0.00	31.50 -0.96 0.00	38.71 -1.02 0.08	37.52 -0.82 0.00	34.64 -0.77 0.00	36.40 -0.79 0.00	39.17 -0.90 0.93	42.01 -0.92 0.61	41.25 -0.86 1.21	42.41 -0.82 0.00	41.60 -0.77 0.00	37.64 -0.71 0.00	31.57 -0.62 0.00	29.79 -0.58 0.00	34.29 -0.74 0.00	32.28 -0.86 0.00
SITHE___BATAVIA 24024	30.50 0.72 0.00	31.40 0.54 0.00	29.24 0.49 0.00	24.48 0.07 0.00	26.70 0.17 0.00	33.59 0.27 0.00	26.93 -0.05 0.00	26.01 -0.11 0.00	29.01 -0.39 0.00	32.47 0.01 0.00	40.83 1.03 0.00	39.63 1.29 0.00	36.36 0.95 0.00	38.15 0.95 0.00	41.95 0.95 0.00	44.71 1.18 0.00	44.92 1.59 0.00	45.03 1.79 0.00	44.57 2.20 0.00	40.45 2.10 0.00	33.73 1.54 0.00	31.94 1.56 0.00	36.94 1.90 0.00	34.39 1.24 0.00



SITHE___INDEPEND 23800	28.95 -0.83 0.00	29.97 -0.89 0.00	27.93 -0.83 0.00	23.66 -0.75 0.00	25.71 -0.82 0.00	32.31 -1.01 0.00	26.13 -0.84 0.00	25.31 -0.81 0.00	28.44 -0.95 0.00	31.50 -0.96 0.00	38.70 -1.02 0.08	37.52 -0.82 0.00	34.64 -0.77 0.00	36.40 -0.79 0.00	39.17 -0.90 0.93	42.01 -0.91 0.61	41.25 -0.86 1.21	42.41 -0.83 0.00	41.60 -0.77 0.00	37.64 -0.71 0.00	31.58 -0.62 0.00	29.79 -0.58 0.00	34.30 -0.74 0.00	32.28 -0.87 0.00
SITHE___MASSENA 23902	29.65 -0.13 0.00	30.69 -0.17 0.00	28.58 -0.17 0.00	24.29 -0.13 0.00	26.44 -0.08 0.00	33.12 -0.20 0.00	26.78 -0.20 0.00	25.88 -0.25 0.00	29.35 -0.05 0.00	32.36 -0.10 0.00	38.84 -0.96 0.00	36.99 -1.36 0.00	34.12 -1.29 0.00	35.70 -1.50 0.00	39.30 -1.69 0.00	41.84 -1.69 0.00	41.61 -1.72 0.00	41.63 -1.61 0.00	40.88 -1.49 0.00	37.27 -1.09 0.00	31.24 -0.96 0.00	29.47 -0.91 0.00	34.68 -0.36 0.00	33.08 -0.06 0.00
SITHE___OGDNSBRG 24021	30.13 0.35 0.00	31.12 0.26 0.00	28.97 0.21 0.00	24.59 0.18 0.00	26.79 0.26 0.00	33.53 0.21 0.00	27.12 0.14 0.00	26.15 0.03 0.00	29.65 0.26 0.00	32.66 0.20 0.00	38.73 -1.07 0.00	36.77 -1.57 0.00	33.92 -1.49 0.00	35.55 -1.65 0.00	39.18 -1.82 0.00	41.81 -1.72 0.00	41.69 -1.63 0.00	41.96 -1.28 0.00	41.25 -1.11 0.00	37.76 -0.59 0.00	31.73 -0.46 0.00	29.93 -0.44 0.00	35.27 0.23 0.00	33.63 0.48 0.00
SITHE___STERLING 23777	30.72 0.94 0.00	31.77 0.90 0.00	29.58 0.81 0.00	25.07 0.65 0.00	27.22 0.69 0.00	34.21 0.89 0.00	27.67 0.69 0.00	26.80 0.68 0.00	30.11 0.72 0.00	33.31 0.85 0.00	41.03 1.23 0.00	39.71 1.36 0.00	36.76 1.35 0.00	38.73 1.54 0.00	42.74 1.70 -0.05	45.41 1.85 -0.03	45.46 2.07 -0.07	45.32 2.08 0.00	44.52 2.15 0.00	40.28 1.93 0.00	33.79 1.59 0.00	31.84 1.46 0.00	36.56 1.52 0.00	34.32 1.17 0.00
SLEIGHT___34_KV_TB1 80719	29.91 0.13 0.00	30.88 0.02 0.00	28.75 -0.01 0.00	24.21 -0.20 0.00	26.36 -0.16 0.00	33.17 -0.14 0.00	26.73 -0.25 0.00	25.88 -0.25 0.00	29.02 -0.37 0.00	32.34 -0.12 0.00	40.25 0.45 0.00	39.05 0.70 0.00	35.96 0.55 0.00	37.79 0.59 0.00	41.68 0.65 -0.04	44.37 0.82 -0.02	44.37 1.00 -0.05	44.29 1.05 0.00	43.65 1.28 0.00	39.52 1.17 0.00	33.03 0.83 0.00	31.15 0.78 0.00	35.85 0.81 0.00	33.51 0.37 0.00
SOUTH CAIRO___GT 23612	31.85 2.07 0.00	33.06 2.20 0.00	30.76 2.00 0.00	26.03 1.62 0.00	28.27 1.75 0.00	35.64 2.32 0.00	28.85 1.87 0.00	27.92 1.79 0.00	31.39 2.00 0.00	34.66 2.20 0.00	42.15 2.36 0.00	40.38 2.03 0.00	37.29 1.88 0.00	39.15 1.96 0.00	43.15 2.15 0.00	45.90 2.37 0.00	46.26 2.94 0.00	46.52 3.28 0.00	45.75 3.38 0.00	41.91 3.02 -0.54	34.72 2.52 0.00	32.71 2.34 0.00	37.31 2.27 0.00	35.11 1.97 0.00
SOUTH HAMPTN___IC 23720	31.80 2.02 0.00	32.79 1.93 0.00	30.60 1.84 0.00	26.22 1.81 0.00	28.37 1.84 0.00	35.55 2.24 0.00	28.88 1.90 0.00	28.35 2.22 0.00	31.96 2.56 0.00	35.98 3.21 -0.30	60.26 4.57 -15.90	45.02 4.83 -1.84	47.03 4.56 -7.06	41.91 4.72 0.00	46.10 5.10 0.00	125.16 5.58 -76.05	254.91 5.65 -205.94	236.86 5.17 -188.45	148.74 4.49 -101.88	45.71 3.05 -4.30	44.09 2.84 -9.05	32.83 2.46 0.00	37.51 2.47 0.00	35.03 1.89 0.00
SOUTHDOW___115KV_TB1 355954	31.04 1.26 0.00	31.94 1.08 0.00	29.67 0.91 0.00	24.90 0.48 0.00	27.17 0.65 0.00	34.23 0.91 0.00	27.39 0.41 0.00	26.65 0.53 0.00	29.66 0.26 0.00	33.28 0.82 0.00	41.73 1.93 0.00	40.50 2.16 0.00	37.04 1.63 0.00	39.08 1.88 0.00	42.98 1.98 0.00	45.89 2.36 0.00	45.86 2.54 0.00	45.76 2.52 0.00	45.51 3.15 0.00	41.24 2.89 0.00	34.25 2.06 0.00	32.37 2.00 0.00	37.41 2.37 0.00	34.62 1.48 0.00
SOUTHOLD_69_KV_BK 2 55809	31.40 1.62 0.00	32.35 1.49 0.00	30.34 1.58 0.00	26.35 1.94 0.00	28.48 1.96 0.00	35.69 2.38 0.00	29.03 2.06 0.00	28.74 2.61 0.00	32.42 3.02 0.00	36.03 3.27 -0.30	60.45 4.75 -15.90	45.11 4.92 -1.84	46.98 4.51 -7.06	41.66 4.46 0.00	45.84 4.85 0.00	125.12 5.33 -76.26	255.27 5.49 -206.45	237.04 4.91 -188.89	148.74 4.16 -102.22	45.30 2.64 -4.30	44.34 3.09 -9.06	32.94 2.56 0.00	37.59 2.55 0.00	35.26 2.12 0.00
SOUTHOLD___IC 23719	31.40 1.62 0.00	32.35 1.49 0.00	30.34 1.58 0.00	26.35 1.94 0.00	28.48 1.96 0.00	35.69 2.38 0.00	29.04 2.06 0.00	28.73 2.61 0.00	32.42 3.02 0.00	36.03 3.27 -0.30	60.45 4.75 -15.90	45.10 4.91 -1.84	46.98 4.51 -7.06	41.66 4.46 0.00	45.84 4.85 0.00	125.12 5.32 -76.26	255.24 5.46 -206.46	237.04 4.90 -188.89	148.75 4.16 -102.22	45.30 2.64 -4.30	44.33 3.08 -9.06	32.94 2.56 0.00	37.59 2.55 0.00	35.26 2.12 0.00
SOUTH_FORK_WT_PWR 323839	31.32 1.54 0.00	32.26 1.39 0.00	30.18 1.42 0.00	26.04 1.63 0.00	28.13 1.61 0.00	35.26 1.94 0.00	28.73 1.75 0.00	28.57 2.44 0.00	32.21 2.81 0.00	36.16 3.39 -0.30	60.77 5.07 -15.90	45.26 5.07 -1.84	47.13 4.66 -7.06	41.77 4.58 0.00	45.96 4.96 0.00	125.12 5.44 -76.15	255.08 5.58 -206.18	236.87 4.97 -188.66	148.63 4.22 -102.04	45.30 2.64 -4.30	44.01 2.77 -9.05	32.63 2.26 0.00	37.24 2.21 0.00	34.86 1.72 0.00
SPIERFLS_115KV_TB 1 80737	32.57 2.80 0.00	33.90 3.04 0.00	31.56 2.80 0.00	26.59 2.18 0.00	28.98 2.46 0.00	36.68 3.37 0.00	29.76 2.79 0.00	28.86 2.74 0.00	32.54 3.14 0.00	36.01 3.50 -0.05	43.77 3.96 -0.01	42.03 3.68 0.00	38.26 2.84 0.00	40.29 3.10 0.00	44.71 3.71 0.00	47.57 4.04 0.00	47.75 4.42 0.00	47.80 4.56 0.00	46.97 4.60 0.00	43.48 4.27 -0.86	35.87 3.68 0.00	33.89 3.51 0.00	38.75 3.71 0.00	36.26 3.12 0.00
ST LAWRENCE____ 23600	29.34 -0.44 0.00	30.38 -0.48 0.00	28.32 -0.44 0.00	24.06 -0.35 0.00	26.19 -0.34 0.00	32.82 -0.49 0.00	26.54 -0.43 0.00	25.65 -0.47 0.00	29.08 -0.32 0.00	32.06 -0.40 0.00	38.88 -0.92 0.00	37.05 -1.29 0.00	34.18 -1.24 0.00	35.77 -1.43 0.00	39.38 -1.62 0.00	41.89 -1.65 0.00	41.62 -1.70 0.00	41.62 -1.62 0.00	40.87 -1.50 0.00	37.21 -1.14 0.00	31.19 -1.01 0.00	29.41 -0.96 0.00	34.31 -0.73 0.00	32.75 -0.39 0.00
STATE_CA_115KV_115_LB 55624	30.57 0.79 0.00	31.72 0.86 0.00	29.56 0.80 0.00	25.09 0.67 0.00	27.24 0.71 0.00	34.27 0.96 0.00	27.81 0.83 0.00	26.95 0.83 0.00	30.21 0.82 0.00	33.43 0.92 -0.05	40.93 1.13 -0.01	39.53 1.18 0.00	36.49 1.08 0.00	38.42 1.22 0.00	42.47 1.48 0.00	45.02 1.49 0.00	44.76 1.44 0.00	44.72 1.48 0.00	43.73 1.37 0.00	40.34 1.09 -0.90	33.18 0.98 0.00	31.33 0.96 0.00	35.86 0.82 0.00	33.79 0.64 0.00
STATE_ST_34_KV_LOAD 55959	30.17 0.39 0.00	31.19 0.33 0.00	29.05 0.28 0.00	24.51 0.09 0.00	26.72 0.20 0.00	33.61 0.29 0.00	27.13 0.15 0.00	26.33 0.20 0.00	29.58 0.18 0.00	32.69 0.22 0.00	40.51 0.70 -0.01	39.24 0.89 0.00	36.26 0.84 0.00	38.08 0.89 0.00	42.22 1.07 -0.15	44.85 1.23 -0.10	44.78 1.27 -0.19	44.36 1.12 0.00	43.58 1.21 0.00	39.53 1.19 0.00	33.20 1.01 0.00	31.22 0.85 0.00	35.94 0.90 0.00	33.62 0.48 0.00



STATION 5_MISC_HYD 23604	30.04 0.26 0.00	31.01 0.14 0.00	28.88 0.12 0.00	24.27 -0.14 0.00	26.43 -0.09 0.00	33.25 -0.07 0.00	26.73 -0.25 0.00	25.85 -0.27 0.00	28.91 -0.48 0.00	32.30 -0.16 0.00	40.31 0.52 0.00	39.16 0.81 0.00	35.97 0.56 0.00	37.78 0.58 0.00	41.58 0.59 0.00	44.32 0.80 0.00	44.43 1.11 0.00	44.43 1.19 0.00	43.87 1.50 0.00	39.71 1.36 0.00	33.12 0.92 0.00	31.29 0.91 0.00	36.08 1.04 0.00	33.69 0.55 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	30.23 0.45 0.00	31.20 0.33 0.00	29.03 0.27 0.00	24.45 0.04 0.00	26.62 0.09 0.00	33.48 0.16 0.00	26.97 0.00 0.00	26.13 0.01 0.00	29.29 -0.11 0.00	32.68 0.21 0.00	40.67 0.87 0.00	39.50 1.15 0.00	36.36 0.95 0.00	38.19 0.99 0.00	42.11 1.08 -0.04	44.83 1.28 -0.02	44.82 1.45 -0.05	44.78 1.55 0.00	44.16 1.80 0.00	40.00 1.64 0.00	33.42 1.22 0.00	31.52 1.15 0.00	36.27 1.23 0.00	33.89 0.75 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	29.90 0.12 0.00	30.85 -0.01 0.00	28.73 -0.03 0.00	24.16 -0.25 0.00	26.31 -0.21 0.00	33.10 -0.22 0.00	26.62 -0.36 0.00	25.74 -0.38 0.00	28.81 -0.58 0.00	32.18 -0.28 0.00	40.17 0.38 0.00	39.02 0.67 0.00	35.85 0.43 0.00	37.63 0.44 0.00	41.42 0.43 0.00	44.17 0.64 0.00	44.26 0.93 0.00	44.27 1.04 0.00	43.69 1.32 0.00	39.53 1.19 0.00	32.96 0.76 0.00	31.14 0.77 0.00	35.89 0.85 0.00	33.52 0.38 0.00
STA_56____34_KV_BUS2 355983	29.90 0.12 0.00	30.85 -0.01 0.00	28.73 -0.03 0.00	24.16 -0.25 0.00	26.31 -0.21 0.00	33.10 -0.22 0.00	26.62 -0.36 0.00	25.74 -0.38 0.00	28.81 -0.58 0.00	32.18 -0.28 0.00	40.17 0.38 0.00	39.02 0.67 0.00	35.85 0.43 0.00	37.63 0.44 0.00	41.42 0.43 0.00	44.17 0.64 0.00	44.26 0.93 0.00	44.27 1.04 0.00	43.69 1.32 0.00	39.53 1.19 0.00	32.96 0.76 0.00	31.14 0.77 0.00	35.89 0.85 0.00	33.52 0.38 0.00
STA_67____115KV_BK2 355882	29.96 0.19 0.00	30.93 0.06 0.00	28.80 0.05 0.00	24.21 -0.20 0.00	26.37 -0.16 0.00	33.17 -0.14 0.00	26.67 -0.31 0.00	25.78 -0.34 0.00	28.84 -0.56 0.00	32.21 -0.25 0.00	40.21 0.42 0.00	39.03 0.68 0.00	35.85 0.43 0.00	37.64 0.44 0.00	41.45 0.45 0.00	44.19 0.66 0.00	44.27 0.94 0.00	44.30 1.06 0.00	43.73 1.36 0.00	39.58 1.24 0.00	32.99 0.79 0.00	31.18 0.81 0.00	35.97 0.93 0.00	33.60 0.46 0.00
STA_7____115KV_9TRANS 80674	30.23 0.46 0.00	31.19 0.33 0.00	29.04 0.28 0.00	24.40 -0.01 0.00	26.58 0.05 0.00	33.43 0.11 0.00	26.88 -0.09 0.00	26.00 -0.13 0.00	29.09 -0.31 0.00	32.50 0.04 0.00	40.62 0.82 0.00	39.46 1.12 0.00	36.26 0.85 0.00	38.07 0.88 0.00	41.91 0.92 0.00	44.69 1.16 0.00	44.78 1.46 0.00	44.81 1.57 0.00	44.24 1.87 0.00	40.05 1.69 0.00	33.37 1.17 0.00	31.53 1.16 0.00	36.35 1.31 0.00	33.92 0.78 0.00
STA_82____115KV_TB1 80780	29.98 0.20 0.00	30.94 0.08 0.00	28.82 0.06 0.00	24.22 -0.19 0.00	26.39 -0.14 0.00	33.19 -0.13 0.00	26.68 -0.29 0.00	25.80 -0.33 0.00	28.85 -0.54 0.00	32.22 -0.24 0.00	40.24 0.44 0.00	39.05 0.70 0.00	35.86 0.45 0.00	37.67 0.47 0.00	41.46 0.47 0.00	44.20 0.68 0.00	44.28 0.96 0.00	44.31 1.07 0.00	43.76 1.39 0.00	39.60 1.25 0.00	33.01 0.82 0.00	31.20 0.83 0.00	35.99 0.94 0.00	33.62 0.47 0.00
STEEL____WIND 323596	29.95 0.17 0.00	30.88 0.02 0.00	28.78 0.02 0.00	24.09 -0.33 0.00	26.29 -0.24 0.00	33.08 -0.24 0.00	26.47 -0.51 0.00	25.58 -0.55 0.00	28.47 -0.93 0.00	31.96 -0.50 0.00	40.12 0.33 0.00	38.91 0.56 0.00	35.60 0.19 0.00	37.46 0.26 0.00	41.24 0.25 0.00	44.02 0.48 0.00	44.13 0.81 0.00	44.18 0.94 0.00	43.89 1.52 0.00	39.75 1.40 0.00	33.02 0.82 0.00	31.24 0.87 0.00	36.18 1.15 0.00	33.66 0.52 0.00
STEPHTWN_115KV_BK_2 55603	30.66 0.88 0.00	31.79 0.92 0.00	29.58 0.82 0.00	25.11 0.70 0.00	27.27 0.75 0.00	34.34 1.03 0.00	27.82 0.84 0.00	27.05 0.93 0.00	30.24 0.84 0.00	33.55 1.04 -0.05	41.09 1.28 -0.01	39.65 1.31 0.00	36.73 1.31 0.00	38.70 1.51 0.00	42.80 1.80 0.00	45.20 1.67 0.00	45.00 1.68 0.00	44.95 1.71 0.00	43.90 1.53 0.00	40.49 1.23 -0.91	33.20 1.00 0.00	31.39 1.01 0.00	35.96 0.92 0.00	33.83 0.69 0.00
STEUBEN_REC_LFGE 323667	30.62 0.84 0.00	31.66 0.80 0.00	29.45 0.69 0.00	24.81 0.40 0.00	27.01 0.49 0.00	34.02 0.70 0.00	27.31 0.33 0.00	26.52 0.39 0.00	29.65 0.26 0.00	33.21 0.75 0.00	41.35 1.55 0.00	40.10 1.76 0.00	36.83 1.42 0.00	38.83 1.63 0.00	42.78 1.74 -0.05	45.42 1.85 -0.03	45.28 1.89 -0.06	45.36 2.12 0.00	44.84 2.48 0.00	40.63 2.28 0.00	33.92 1.73 0.00	32.00 1.62 0.00	37.05 2.01 0.00	34.52 1.38 0.00
STILLWATER____SOLAR 323814	31.96 2.18 0.00	33.20 2.34 0.00	30.91 2.15 0.00	26.12 1.71 0.00	28.43 1.90 0.00	35.88 2.57 0.00	29.11 2.14 0.00	28.22 2.10 0.00	31.73 2.34 0.00	35.11 2.60 -0.05	42.87 3.06 -0.01	41.23 2.88 0.00	37.80 2.39 0.00	39.77 2.57 0.00	44.06 3.06 0.00	46.80 3.27 0.00	46.83 3.51 0.00	46.91 3.67 0.00	45.98 3.61 0.00	42.51 3.26 -0.89	35.00 2.80 0.00	33.06 2.68 0.00	37.83 2.79 0.00	35.49 2.35 0.00
STONY____BROOK 24151	31.84 2.06 0.00	32.88 2.01 0.00	30.67 1.91 0.00	26.23 1.81 0.00	28.40 1.88 0.00	35.61 2.29 0.00	28.89 1.91 0.00	28.18 2.05 0.00	31.77 2.37 0.00	35.67 2.90 -0.30	59.70 4.00 -15.90	44.64 4.45 -1.85	46.59 4.12 -7.06	41.53 4.34 0.00	45.66 4.66 0.00	185.94 5.10 -137.31	417.05 5.05 -368.68	376.66 4.59 -328.83	250.32 3.89 -204.06	45.16 2.50 -4.30	46.10 2.16 -11.74	32.42 2.05 0.00	37.19 2.15 0.00	34.76 1.62 0.00
STURGEON_POOL_HYD 23609	31.09 1.31 0.00	32.09 1.23 0.00	29.94 1.18 0.00	25.54 1.12 0.00	27.62 1.10 0.00	34.63 1.31 0.00	28.15 1.17 0.00	27.40 1.27 0.00	30.82 1.42 0.00	34.10 1.64 0.00	42.22 2.43 0.00	41.38 3.03 0.00	38.38 2.97 0.00	40.38 3.19 0.00	44.56 3.57 0.00	47.17 3.64 0.00	46.86 3.54 0.00	46.47 3.23 0.00	45.20 2.83 0.00	40.38 2.03 0.00	33.94 1.75 0.00	32.04 1.66 0.00	36.72 1.69 0.00	34.50 1.36 0.00
ST_LAW_115_BK7_LBMP 345037	29.32 -0.46 0.00	30.36 -0.50 0.00	28.29 -0.47 0.00	24.05 -0.36 0.00	26.17 -0.35 0.00	32.79 -0.53 0.00	26.52 -0.46 0.00	25.63 -0.50 0.00	29.06 -0.34 0.00	32.04 -0.42 0.00	38.78 -1.02 0.00	36.94 -1.41 0.00	34.06 -1.35 0.00	35.64 -1.56 0.00	39.24 -1.75 0.00	41.74 -1.79 0.00	41.49 -1.84 0.00	41.49 -1.75 0.00	40.74 -1.63 0.00	37.11 -1.24 0.00	31.10 -1.10 0.00	29.34 -1.04 0.00	34.26 -0.78 0.00	32.72 -0.42 0.00
ST_LAW_115_BK8_LBMP 345038	29.32 -0.46 0.00	30.36 -0.50 0.00	28.29 -0.47 0.00	24.05 -0.36 0.00	26.17 -0.35 0.00	32.79 -0.53 0.00	26.52 -0.46 0.00	25.63 -0.50 0.00	29.06 -0.34 0.00	32.04 -0.42 0.00	38.78 -1.02 0.00	36.94 -1.41 0.00	34.06 -1.35 0.00	35.64 -1.56 0.00	39.24 -1.75 0.00	41.74 -1.79 0.00	41.49 -1.84 0.00	41.49 -1.75 0.00	40.74 -1.63 0.00	37.11 -1.24 0.00	31.10 -1.10 0.00	29.34 -1.04 0.00	34.26 -0.78 0.00	32.72 -0.42 0.00



ST_LAW_230_BK5_LBMP 345035	29.34 -0.44 0.00	30.38 -0.48 0.00	28.32 -0.44 0.00	24.06 -0.35 0.00	26.19 -0.34 0.00	32.82 -0.49 0.00	26.54 -0.43 0.00	25.65 -0.47 0.00	29.08 -0.32 0.00	32.06 -0.40 0.00	38.88 -0.92 0.00	37.05 -1.29 0.00	34.18 -1.24 0.00	35.77 -1.43 0.00	39.38 -1.62 0.00	41.89 -1.65 0.00	41.62 -1.70 0.00	41.62 -1.62 0.00	40.87 -1.50 0.00	37.21 -1.14 0.00	31.19 -1.01 0.00	29.41 -0.96 0.00	34.31 -0.73 0.00	32.75 -0.39 0.00
ST_LAW_230_BK6_LBMP 345036	29.34 -0.44 0.00	30.38 -0.48 0.00	28.32 -0.44 0.00	24.06 -0.35 0.00	26.19 -0.34 0.00	32.82 -0.49 0.00	26.54 -0.43 0.00	25.65 -0.47 0.00	29.08 -0.32 0.00	32.06 -0.40 0.00	38.88 -0.92 0.00	37.05 -1.29 0.00	34.18 -1.24 0.00	35.77 -1.43 0.00	39.38 -1.62 0.00	41.89 -1.65 0.00	41.62 -1.70 0.00	41.62 -1.62 0.00	40.87 -1.50 0.00	37.21 -1.14 0.00	31.19 -1.01 0.00	29.41 -0.96 0.00	34.31 -0.73 0.00	32.75 -0.39 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	31.04 1.26 0.00	32.09 1.23 0.00	29.91 1.15 0.00	25.51 1.09 0.00	27.62 1.10 0.00	34.60 1.29 0.00	28.12 1.14 0.00	27.37 1.25 0.00	30.76 1.36 0.00	33.71 1.55 0.30	41.91 2.19 0.07	41.00 2.65 0.00	37.98 2.57 0.00	39.97 2.78 0.00	44.11 3.11 0.00	46.74 3.21 0.00	46.21 3.13 0.25	46.14 2.90 0.00	44.94 2.58 0.00	36.05 1.87 4.17	33.80 1.62 0.01	31.92 1.54 0.00	36.57 1.53 0.00	34.42 1.28 0.00
SWANROAD_115KV_TB1 355699	29.21 -0.57 0.00	30.11 -0.75 0.00	28.09 -0.67 0.00	23.46 -0.95 0.00	25.63 -0.89 0.00	32.25 -1.07 0.00	25.79 -1.19 0.00	24.81 -1.31 0.00	27.55 -1.85 0.00	30.90 -1.57 0.00	38.94 -0.86 0.00	37.67 -0.68 0.00	34.42 -0.99 0.00	36.14 -1.06 0.00	39.80 -1.19 0.00	42.56 -0.97 0.00	42.70 -0.62 0.00	42.86 -0.37 0.00	42.55 0.19 0.00	38.59 0.24 0.00	32.01 -0.18 0.00	30.37 0.00 0.00	35.25 0.21 0.00	32.88 -0.27 0.00
SYNERGY___BIOGAS 323694	30.50 0.72 0.00	31.40 0.54 0.00	29.24 0.49 0.00	24.48 0.07 0.00	26.70 0.17 0.00	33.59 0.27 0.00	26.93 -0.05 0.00	26.01 -0.11 0.00	29.01 -0.39 0.00	32.47 0.01 0.00	40.83 1.03 0.00	39.63 1.29 0.00	36.36 0.95 0.00	38.15 0.95 0.00	41.95 0.95 0.00	44.71 1.18 0.00	44.92 1.59 0.00	45.03 1.79 0.00	44.57 2.20 0.00	40.45 2.10 0.00	33.73 1.54 0.00	31.94 1.56 0.00	36.94 1.90 0.00	34.39 1.24 0.00
SYRACUSE___ENERGY_ST1 323597	29.73 -0.05 0.00	30.83 -0.04 0.00	28.71 -0.05 0.00	24.30 -0.11 0.00	26.41 -0.11 0.00	33.20 -0.12 0.00	26.85 -0.13 0.00	26.04 -0.09 0.00	29.25 -0.14 0.00	32.43 -0.03 0.00	40.03 0.22 -0.01	38.78 0.43 0.00	35.83 0.42 0.00	37.68 0.49 0.00	41.72 0.55 -0.18	44.28 0.63 -0.11	44.22 0.67 -0.23	43.88 0.64 0.00	43.08 0.71 0.00	38.96 0.61 0.00	32.70 0.50 0.00	30.83 0.46 0.00	35.45 0.41 0.00	33.27 0.13 0.00
SYRACUSE___ENERGY_ST2 323598	29.73 -0.05 0.00	30.83 -0.04 0.00	28.71 -0.05 0.00	24.30 -0.11 0.00	26.41 -0.11 0.00	33.20 -0.12 0.00	26.85 -0.13 0.00	26.04 -0.09 0.00	29.25 -0.14 0.00	32.43 -0.03 0.00	40.03 0.22 -0.01	38.78 0.43 0.00	35.83 0.42 0.00	37.68 0.49 0.00	41.72 0.55 -0.18	44.28 0.63 -0.11	44.22 0.67 -0.23	43.88 0.64 0.00	43.08 0.71 0.00	38.96 0.61 0.00	32.70 0.50 0.00	30.83 0.46 0.00	35.45 0.41 0.00	33.27 0.13 0.00
SYRACUSE___POWER 24017	29.76 -0.02 0.00	30.81 -0.05 0.00	28.69 -0.06 0.00	24.30 -0.11 0.00	26.40 -0.12 0.00	33.19 -0.13 0.00	26.84 -0.14 0.00	26.02 -0.10 0.00	29.23 -0.17 0.00	32.43 -0.04 0.00	40.00 0.19 -0.01	38.77 0.42 0.00	35.82 0.41 0.00	37.71 0.51 0.00	41.67 0.55 -0.11	44.26 0.65 -0.08	44.18 0.71 -0.15	43.94 0.70 0.00	43.13 0.76 0.00	39.00 0.65 0.00	32.70 0.50 0.00	30.86 0.48 0.00	35.46 0.42 0.00	33.29 0.15 0.00
TALLMAN___138KV_BK151 55660	31.16 1.38 0.00	32.20 1.33 0.00	30.00 1.24 0.00	25.63 1.22 0.00	27.75 1.23 0.00	34.71 1.39 0.00	28.22 1.24 0.00	27.51 1.39 0.00	30.90 1.50 0.00	33.76 1.71 0.41	42.12 2.42 0.10	41.26 2.91 0.00	38.26 2.85 0.00	40.28 3.09 0.00	44.42 3.42 0.00	47.04 3.51 0.00	46.43 3.43 0.33	46.41 3.17 0.00	45.16 2.79 0.00	35.29 1.98 5.05	33.92 1.74 0.02	32.01 1.64 0.00	36.68 1.64 0.00	34.54 1.40 0.00
TEALLAVE_115KV_TB7 355573	29.61 -0.16 0.00	30.64 -0.22 0.00	28.54 -0.22 0.00	24.17 -0.24 0.00	26.26 -0.26 0.00	33.01 -0.30 0.00	26.69 -0.29 0.00	25.88 -0.25 0.00	29.06 -0.33 0.00	32.24 -0.23 0.00	39.78 -0.03 -0.01	38.56 0.21 0.00	35.62 0.20 0.00	37.48 0.29 0.00	41.38 0.29 -0.10	43.96 0.37 -0.06	43.89 0.44 -0.12	43.67 0.43 0.00	42.87 0.50 0.00	38.76 0.41 0.00	32.50 0.30 0.00	30.66 0.28 0.00	35.25 0.21 0.00	33.09 -0.05 0.00
TELGRAPH_34_KV_EAST 80808	29.82 0.05 0.00	30.74 -0.12 0.00	28.65 -0.10 0.00	23.95 -0.46 0.00	26.15 -0.37 0.00	32.90 -0.41 0.00	26.34 -0.64 0.00	25.40 -0.73 0.00	28.27 -1.12 0.00	31.71 -0.76 0.00	39.92 0.13 0.00	38.68 0.33 0.00	35.40 -0.02 0.00	37.16 -0.04 0.00	40.90 -0.10 0.00	43.65 0.12 0.00	43.80 0.48 0.00	43.91 0.67 0.00	43.56 1.19 0.00	39.50 1.15 0.00	32.87 0.67 0.00	31.15 0.77 0.00	36.15 1.11 0.00	33.70 0.56 0.00
TEMPLE___115KV_TB 2 55572	29.63 -0.15 0.00	30.66 -0.20 0.00	28.56 -0.20 0.00	24.19 -0.23 0.00	26.27 -0.25 0.00	33.03 -0.29 0.00	26.71 -0.27 0.00	25.89 -0.23 0.00	29.08 -0.32 0.00	32.27 -0.19 0.00	39.81 0.01 -0.01	38.59 0.25 0.00	35.65 0.23 0.00	37.51 0.32 0.00	41.43 0.34 -0.10	44.00 0.41 -0.06	43.91 0.47 -0.12	43.70 0.46 0.00	42.90 0.54 0.00	38.78 0.43 0.00	32.51 0.32 0.00	30.69 0.31 0.00	35.27 0.23 0.00	33.10 -0.04 0.00
TIANA____69_KV_BK 1 55817	31.79 2.02 0.00	32.80 1.93 0.00	30.60 1.84 0.00	26.21 1.80 0.00	28.36 1.84 0.00	35.55 2.23 0.00	28.86 1.88 0.00	28.26 2.14 0.00	31.88 2.49 0.00	35.88 3.12 -0.30	60.07 4.37 -15.90	44.87 4.68 -1.84	46.91 4.43 -7.06	41.81 4.62 0.00	45.98 4.98 0.00	125.22 5.46 -76.22	255.23 5.55 -206.36	237.13 5.08 -188.81	148.94 4.41 -102.16	45.65 2.99 -4.30	44.02 2.77 -9.05	32.79 2.41 0.00	37.47 2.43 0.00	34.98 1.84 0.00
TILDEN___115KV_TB1 80814	29.76 -0.02 0.00	30.81 -0.05 0.00	28.69 -0.06 0.00	24.30 -0.11 0.00	26.40 -0.12 0.00	33.19 -0.13 0.00	26.84 -0.14 0.00	26.02 -0.10 0.00	29.23 -0.17 0.00	32.43 -0.04 0.00	40.00 0.19 -0.01	38.77 0.42 0.00	35.82 0.41 0.00	37.71 0.51 0.00	41.67 0.55 -0.11	44.26 0.65 -0.08	44.18 0.71 -0.15	43.94 0.70 0.00	43.13 0.76 0.00	39.00 0.65 0.00	32.70 0.50 0.00	30.86 0.48 0.00	35.46 0.42 0.00	33.29 0.15 0.00
TRIGEN___CC 323695	31.63 1.86 0.00	32.71 1.85 0.00	30.50 1.74 0.00	26.07 1.65 0.00	28.23 1.70 0.00	35.38 2.06 0.00	28.70 1.73 0.00	27.96 1.83 0.00	31.50 2.10 0.00	35.23 2.47 -0.30	59.11 3.41 -15.90	44.06 3.87 -1.84	46.18 3.71 -7.06	41.08 3.88 0.00	45.20 4.20 0.00	79.70 4.44 -31.72	79.91 4.39 -32.20	57.84 3.97 -10.63	45.76 3.39 0.00	44.91 2.26 -4.30	34.17 1.96 -0.01	32.28 1.90 0.00	37.03 1.99 0.00	34.78 1.64 0.00



TRINITY__115KV__4 BK 55933	30.41 0.64 0.00	31.57 0.70 0.00	29.42 0.66 0.00	24.97 0.55 0.00	27.12 0.60 0.00	34.12 0.80 0.00	27.68 0.70 0.00	26.83 0.70 0.00	30.07 0.67 0.00	33.26 0.74 -0.05	40.71 0.90 -0.01	39.31 0.97 0.00	36.29 0.88 0.00	38.19 1.00 0.00	42.21 1.21 0.00	44.72 1.19 0.00	44.45 1.13 0.00	44.42 1.18 0.00	43.44 1.07 0.00	40.10 0.84 -0.91	32.97 0.77 0.00	31.13 0.76 0.00	35.63 0.60 0.00	33.59 0.45 0.00
UNION__PROCESSING_DRP 323587	29.99 0.21 0.00	30.95 0.08 0.00	28.82 0.06 0.00	24.23 -0.18 0.00	26.39 -0.13 0.00	33.20 -0.12 0.00	26.69 -0.28 0.00	25.80 -0.32 0.00	28.86 -0.53 0.00	32.23 -0.23 0.00	40.25 0.45 0.00	39.06 0.72 0.00	35.88 0.47 0.00	37.67 0.48 0.00	41.48 0.48 0.00	44.22 0.69 0.00	44.31 0.99 0.00	44.33 1.09 0.00	43.76 1.40 0.00	39.61 1.27 0.00	33.01 0.82 0.00	31.21 0.84 0.00	36.00 0.96 0.00	33.63 0.49 0.00
UPPER HUDSON__HYD 24058	32.57 2.80 0.00	33.90 3.04 0.00	31.56 2.80 0.00	26.59 2.18 0.00	28.98 2.46 0.00	36.68 3.37 0.00	29.76 2.79 0.00	28.86 2.74 0.00	32.54 3.14 0.00	36.01 3.50 -0.05	43.77 3.96 -0.01	42.03 3.68 0.00	38.26 2.84 0.00	40.29 3.10 0.00	44.71 3.71 0.00	47.57 4.04 0.00	47.75 4.42 0.00	47.80 4.56 0.00	46.97 4.60 0.00	43.48 4.27 -0.86	35.87 3.67 0.00	33.88 3.51 0.00	38.75 3.71 0.00	36.26 3.12 0.00
UPPER RAQUET__HYD 24056	29.50 -0.28 0.00	30.45 -0.41 0.00	28.34 -0.42 0.00	24.03 -0.38 0.00	26.19 -0.33 0.00	32.78 -0.54 0.00	26.50 -0.48 0.00	25.59 -0.54 0.00	29.03 -0.37 0.00	32.07 -0.40 0.00	38.24 -1.56 0.00	36.38 -1.96 0.00	33.63 -1.79 0.00	35.23 -1.97 0.00	38.82 -2.21 -0.03	41.35 -2.20 -0.02	41.21 -2.15 -0.04	41.23 -2.02 0.00	40.52 -1.85 0.00	37.00 -1.35 0.00	31.02 -1.18 0.00	29.23 -1.15 0.00	34.49 -0.55 0.00	32.81 -0.33 0.00
VALLEY44_115KV_TB2 355964	29.62 -0.16 0.00	30.57 -0.30 0.00	28.41 -0.35 0.00	23.98 -0.44 0.00	26.15 -0.37 0.00	32.94 -0.38 0.00	26.33 -0.65 0.00	25.62 -0.50 0.00	28.74 -0.65 0.00	32.30 -0.16 0.00	40.22 0.42 0.00	38.97 0.63 0.00	35.61 0.20 0.00	37.63 0.43 0.00	41.32 0.32 0.00	44.03 0.49 0.00	44.08 0.75 0.00	43.98 0.75 0.00	43.64 1.27 0.00	39.52 1.17 0.00	32.86 0.67 0.00	31.09 0.71 0.00	36.05 1.01 0.00	33.49 0.34 0.00
VALLEY__115KV_TB 1-4 80826	30.36 0.58 0.00	31.54 0.68 0.00	29.29 0.53 0.00	24.76 0.34 0.00	27.06 0.54 0.00	34.07 0.76 0.00	27.64 0.66 0.00	26.79 0.67 0.00	30.04 0.64 0.00	33.21 0.75 0.00	40.73 0.94 0.00	39.10 0.75 0.00	36.00 0.59 0.00	37.91 0.72 0.00	42.01 1.02 0.00	44.69 1.16 0.00	44.56 1.24 0.00	44.51 1.27 0.00	43.75 1.38 0.00	39.53 1.18 0.00	33.29 1.09 0.00	31.40 1.02 0.00	35.91 0.86 0.00	33.74 0.60 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	31.09 1.31 0.00	32.19 1.32 0.00	29.98 1.22 0.00	25.44 1.03 0.00	27.61 1.09 0.00	34.73 1.42 0.00	28.12 1.15 0.00	27.25 1.13 0.00	30.65 1.25 0.00	33.95 1.49 0.00	41.84 2.04 0.00	40.58 2.23 0.00	37.51 2.10 0.00	39.50 2.31 0.00	43.61 2.59 -0.03	46.30 2.75 -0.02	46.14 2.78 -0.04	45.92 2.68 0.00	44.98 2.61 0.00	40.58 2.23 0.00	34.05 1.85 0.00	32.09 1.71 0.00	36.86 1.82 0.00	34.62 1.48 0.00
VISCHER__FERRY HYD 24020	31.13 1.35 0.00	32.33 1.47 0.00	30.12 1.36 0.00	25.51 1.10 0.00	27.72 1.20 0.00	34.95 1.63 0.00	28.36 1.38 0.00	27.47 1.34 0.00	30.82 1.42 0.00	34.08 1.57 -0.05	41.68 1.87 -0.01	40.21 1.86 0.00	37.03 1.61 0.00	38.92 1.73 0.00	43.05 2.06 0.00	45.62 2.09 0.00	45.44 2.12 0.00	45.50 2.26 0.00	44.54 2.17 0.00	41.19 1.89 -0.95	33.87 1.67 0.00	32.01 1.63 0.00	36.63 1.59 0.00	34.46 1.32 0.00
V_A_10_SYNC_DSASP 323832	29.47 -0.31 0.00	30.41 -0.45 0.00	28.36 -0.40 0.00	23.77 -0.64 0.00	25.94 -0.59 0.00	32.62 -0.69 0.00	26.14 -0.84 0.00	25.23 -0.89 0.00	28.10 -1.29 0.00	31.48 -0.99 0.00	39.41 -0.39 0.00	38.20 -0.15 0.00	34.98 -0.43 0.00	36.76 -0.43 0.00	40.50 -0.49 0.00	43.22 -0.32 0.00	43.34 0.02 0.00	43.41 0.17 0.00	42.99 0.62 0.00	38.94 0.59 0.00	32.36 0.16 0.00	30.64 0.27 0.00	35.45 0.41 0.00	33.08 -0.06 0.00
V_CMM_10_SYNC_DSASP 323787	29.46 -0.32 0.00	30.51 -0.35 0.00	28.42 -0.34 0.00	24.16 -0.26 0.00	26.29 -0.24 0.00	32.94 -0.37 0.00	26.64 -0.34 0.00	25.75 -0.38 0.00	29.20 -0.19 0.00	32.20 -0.26 0.00	38.98 -0.82 0.00	37.14 -1.21 0.00	34.26 -1.16 0.00	35.83 -1.36 0.00	39.45 -1.55 0.00	41.97 -1.56 0.00	41.70 -1.62 0.00	41.72 -1.52 0.00	40.96 -1.41 0.00	37.31 -1.05 0.00	31.26 -0.93 0.00	29.49 -0.89 0.00	34.43 -0.61 0.00	32.88 -0.26 0.00
V_CMP_10_SYNC_DSASP 323788	30.31 0.53 0.00	31.39 0.53 0.00	29.18 0.42 0.00	24.64 0.23 0.00	26.92 0.39 0.00	34.02 0.70 0.00	27.43 0.45 0.00	26.35 0.23 0.00	30.17 0.77 0.00	33.35 0.89 0.00	40.54 0.74 0.00	38.70 0.36 0.00	35.29 -0.12 0.00	37.06 -0.13 0.00	40.81 -0.19 0.00	42.80 -0.73 0.00	42.82 -0.50 0.00	43.02 -0.22 0.00	42.26 -0.11 0.00	38.29 -0.06 0.00	32.08 -0.11 0.00	30.23 -0.15 0.00	35.85 0.81 0.00	34.44 1.30 0.00
V_D_10_SYNC_DSASP 323841	29.65 -0.13 0.00	30.69 -0.17 0.00	28.58 -0.17 0.00	24.29 -0.12 0.00	26.44 -0.08 0.00	33.12 -0.19 0.00	26.78 -0.20 0.00	25.88 -0.25 0.00	29.35 -0.04 0.00	32.37 -0.10 0.00	38.87 -0.93 0.00	37.02 -1.33 0.00	34.14 -1.28 0.00	35.72 -1.48 0.00	39.32 -1.68 0.00	41.87 -1.66 0.00	41.62 -1.71 0.00	41.65 -1.59 0.00	40.91 -1.46 0.00	37.29 -1.07 0.00	31.25 -0.95 0.00	29.48 -0.89 0.00	34.68 -0.36 0.00	33.08 -0.06 0.00
V_E_10_SYNC_DSASP 323830	32.26 2.49 0.00	33.33 2.47 0.00	31.02 2.26 0.00	26.26 1.84 0.00	28.55 2.03 0.00	35.97 2.65 0.00	29.07 2.10 0.00	28.25 2.13 0.00	31.68 2.29 0.00	34.97 2.51 0.00	43.23 3.43 -0.01	41.53 3.18 0.00	38.42 3.00 0.00	40.93 3.74 0.00	45.37 4.30 -0.07	48.43 4.85 -0.05	48.38 4.97 -0.09	48.23 4.99 0.00	47.48 5.11 0.00	42.98 4.62 0.00	36.02 3.82 0.00	33.86 3.49 0.00	38.85 3.81 0.00	36.29 3.15 0.00
V_F_30_NSYNC__DSASP 323816	32.03 2.25 0.00	33.27 2.40 0.00	30.97 2.21 0.00	26.17 1.76 0.00	28.48 1.96 0.00	35.95 2.63 0.00	29.16 2.19 0.00	28.27 2.15 0.00	31.80 2.41 0.00	35.19 2.68 -0.05	42.99 3.18 -0.01	41.35 3.01 0.00	37.93 2.51 0.00	39.90 2.71 0.00	44.23 3.23 0.00	47.00 3.46 0.00	47.00 3.68 0.00	47.06 3.82 0.00	46.14 3.77 0.00	42.63 3.39 -0.89	35.10 2.90 0.00	33.15 2.77 0.00	37.93 2.89 0.00	35.59 2.45 0.00
V_F_30_SYNC_DSASP 323786	30.57 0.79 0.00	31.72 0.86 0.00	29.55 0.79 0.00	25.09 0.67 0.00	27.24 0.71 0.00	34.27 0.95 0.00	27.80 0.82 0.00	26.95 0.83 0.00	30.21 0.82 0.00	33.43 0.92 -0.05	40.93 1.12 -0.01	39.52 1.17 0.00	36.49 1.08 0.00	38.41 1.22 0.00	42.46 1.46 0.00	45.02 1.49 0.00	44.76 1.43 0.00	44.72 1.48 0.00	43.73 1.36 0.00	40.34 1.09 -0.90	33.18 0.98 0.00	31.32 0.95 0.00	35.86 0.82 0.00	33.78 0.64 0.00



V_XM10_SYNC_DSASP 323789	30.31 0.53 0.00	31.39 0.53 0.00	29.18 0.42 0.00	24.64 0.23 0.00	26.92 0.39 0.00	34.02 0.70 0.00	27.43 0.45 0.00	26.35 0.23 0.00	30.17 0.77 0.00	33.35 0.89 0.00	40.54 0.74 0.00	38.70 0.36 0.00	35.29 -0.12 0.00	37.06 -0.13 0.00	40.81 -0.19 0.00	42.80 -0.73 0.00	42.82 -0.50 0.00	43.02 -0.22 0.00	42.26 -0.11 0.00	38.29 -0.06 0.00	32.08 -0.11 0.00	30.23 -0.15 0.00	35.85 0.81 0.00	34.44 1.30 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	31.25 1.48 0.00	32.30 1.44 0.00	30.10 1.34 0.00	25.72 1.31 0.00	27.86 1.33 0.00	34.84 1.52 0.00	28.33 1.35 0.00	27.62 1.49 0.00	31.01 1.62 0.00	33.85 1.83 0.44	42.26 2.57 0.11	41.40 3.05 0.00	38.39 2.98 0.00	40.43 3.23 0.00	44.58 3.59 0.00	47.22 3.69 0.00	46.59 3.60 0.33	46.57 3.33 0.00	45.33 2.96 0.00	35.23 2.14 5.26	34.05 1.87 0.02	32.13 1.75 0.00	36.81 1.77 0.00	34.65 1.51 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	31.60 1.82 0.00	32.63 1.76 0.00	30.40 1.64 0.00	25.94 1.53 0.00	28.07 1.55 0.00	35.14 1.82 0.00	28.57 1.59 0.00	27.85 1.73 0.00	31.33 1.94 0.00	34.99 2.23 -0.30	42.96 3.09 -0.07	41.93 3.59 0.00	38.87 3.46 0.00	40.84 3.65 0.00	44.93 3.93 0.00	47.53 4.00 0.00	47.51 3.96 -0.22	46.90 3.66 0.00	45.62 3.26 0.00	45.05 2.41 -4.29	34.31 2.10 -0.01	32.38 2.01 0.00	37.09 2.06 0.00	34.89 1.75 0.00
W50THST__13_KV_LOAD 356117	31.83 2.05 0.00	32.85 1.99 0.00	30.61 1.85 0.00	26.13 1.72 0.00	28.26 1.74 0.00	35.38 2.06 0.00	28.76 1.79 0.00	28.05 1.93 0.00	31.57 2.18 0.00	35.21 2.45 -0.30	43.26 3.39 -0.07	42.30 3.96 0.00	39.23 3.82 0.00	41.15 3.95 0.00	45.20 4.20 0.00	47.82 4.29 0.00	47.80 4.25 -0.22	47.19 3.95 0.00	45.88 3.51 0.00	45.28 2.64 -4.29	34.52 2.31 -0.01	32.60 2.23 0.00	37.35 2.31 0.00	35.13 1.98 0.00
WADING RIVER_IC_1 23522	31.43 1.65 0.00	32.44 1.58 0.00	30.27 1.51 0.00	25.91 1.50 0.00	28.04 1.52 0.00	35.15 1.83 0.00	28.53 1.55 0.00	27.87 1.75 0.00	31.40 2.01 0.00	35.33 2.57 -0.30	59.31 3.61 -15.90	44.07 3.88 -1.84	46.17 3.70 -7.06	41.07 3.87 0.00	45.14 4.14 0.00	123.05 4.56 -74.96	251.28 4.58 -203.38	233.66 4.15 -186.27	146.11 3.53 -100.21	44.92 2.27 -4.30	43.41 2.19 -9.02	32.32 1.95 0.00	36.97 1.93 0.00	34.55 1.41 0.00
WADING RIVER_IC_2 23547	31.43 1.65 0.00	32.44 1.58 0.00	30.27 1.51 0.00	25.91 1.50 0.00	28.04 1.52 0.00	35.15 1.83 0.00	28.53 1.55 0.00	27.87 1.75 0.00	31.40 2.01 0.00	35.33 2.57 -0.30	59.31 3.61 -15.90	44.07 3.88 -1.84	46.17 3.70 -7.06	41.07 3.87 0.00	45.14 4.14 0.00	123.05 4.56 -74.96	251.28 4.58 -203.38	233.66 4.15 -186.27	146.11 3.53 -100.21	44.92 2.27 -4.30	43.41 2.19 -9.02	32.32 1.95 0.00	36.97 1.93 0.00	34.55 1.41 0.00
WADING RIVER_IC_3 23601	31.43 1.65 0.00	32.44 1.58 0.00	30.27 1.51 0.00	25.91 1.50 0.00	28.04 1.52 0.00	35.15 1.83 0.00	28.53 1.55 0.00	27.87 1.75 0.00	31.40 2.01 0.00	35.33 2.57 -0.30	59.31 3.61 -15.90	44.07 3.88 -1.84	46.17 3.70 -7.06	41.07 3.87 0.00	45.14 4.14 0.00	123.05 4.56 -74.96	251.28 4.58 -203.38	233.66 4.15 -186.27	146.11 3.53 -100.21	44.92 2.27 -4.30	43.41 2.19 -9.02	32.32 1.95 0.00	36.97 1.93 0.00	34.55 1.41 0.00
WALDENNY_12_KV_BK2 80841	29.98 0.20 0.00	30.91 0.05 0.00	28.80 0.05 0.00	24.10 -0.31 0.00	26.31 -0.22 0.00	33.10 -0.21 0.00	26.49 -0.49 0.00	25.58 -0.54 0.00	28.48 -0.92 0.00	31.98 -0.48 0.00	40.22 0.43 0.00	38.95 0.61 0.00	35.64 0.22 0.00	37.48 0.29 0.00	41.27 0.27 0.00	44.06 0.53 0.00	44.15 0.82 0.00	44.25 1.01 0.00	43.96 1.59 0.00	39.82 1.47 0.00	33.04 0.84 0.00	31.29 0.91 0.00	36.23 1.19 0.00	33.70 0.56 0.00
WALDEN__HYDRO 24148	31.23 1.45 0.00	32.27 1.40 0.00	30.08 1.32 0.00	25.64 1.22 0.00	27.76 1.23 0.00	34.79 1.47 0.00	28.26 1.29 0.00	27.51 1.39 0.00	30.93 1.54 0.00	34.13 1.76 0.09	42.23 2.45 0.02	41.25 2.90 0.00	38.23 2.81 0.00	40.26 3.06 0.00	44.43 3.44 0.00	47.11 3.58 0.00	46.77 3.52 0.07	46.53 3.29 0.00	45.31 2.94 0.00	39.25 2.18 1.29	34.08 1.88 0.00	32.16 1.78 0.00	36.84 1.80 0.00	34.63 1.49 0.00
WARRENSBURG____ 23737	32.57 2.80 0.00	33.90 3.04 0.00	31.56 2.80 0.00	26.59 2.18 0.00	28.98 2.46 0.00	36.68 3.37 0.00	29.76 2.79 0.00	28.86 2.74 0.00	32.54 3.14 0.00	36.01 3.50 -0.05	43.77 3.96 -0.01	42.03 3.68 0.00	38.26 2.84 0.00	40.29 3.10 0.00	44.71 3.71 0.00	47.57 4.04 0.00	47.75 4.42 0.00	47.80 4.56 0.00	46.97 4.60 0.00	43.48 4.27 -0.86	35.87 3.67 0.00	33.88 3.51 0.00	38.75 3.71 0.00	36.26 3.12 0.00
WATERSIDE____6 8 9 23538	31.55 1.79 0.02	32.58 1.71 0.00	30.36 1.60 0.00	25.94 1.53 0.00	28.02 1.50 0.00	35.07 1.75 0.00	28.53 1.56 0.00	27.80 1.68 0.00	31.28 1.88 0.00	34.97 2.21 -0.30	42.99 3.12 -0.07	41.67 3.57 0.24	34.24 3.45 4.62	22.45 3.62 18.36	48.68 3.85 -3.84	52.28 3.90 -4.85	51.72 3.79 -4.60	50.64 3.44 -3.96	49.19 3.01 -3.82	49.07 2.22 -8.50	33.79 2.05 0.45	32.34 1.97 0.00	37.06 2.02 0.00	34.48 1.72 0.38
WATKINRD_115KV_LN8_ILLION 55919	30.20 0.42 0.00	31.33 0.47 0.00	29.16 0.40 0.00	24.71 0.30 0.00	26.89 0.37 0.00	33.84 0.52 0.00	27.44 0.46 0.00	26.60 0.47 0.00	29.83 0.44 0.00	32.98 0.51 0.00	40.45 0.66 0.00	38.89 0.54 0.00	35.84 0.43 0.00	37.73 0.53 0.00	41.75 0.75 0.00	44.38 0.85 0.00	44.23 0.90 0.00	44.18 0.94 0.00	43.37 1.01 0.00	39.19 0.84 0.00	32.97 0.78 0.00	31.12 0.75 0.00	35.66 0.62 0.00	33.55 0.40 0.00
WATSON__69_KV_BK 1 55734	32.19 2.42 0.00	33.25 2.39 0.00	31.01 2.25 0.00	26.50 2.08 0.00	28.69 2.17 0.00	35.99 2.67 0.00	29.18 2.20 0.00	28.45 2.33 0.00	32.09 2.69 0.00	36.00 3.25 -0.30	60.10 4.40 -15.90	45.03 4.84 -1.84	47.09 4.62 -7.06	42.01 4.81 0.00	46.09 5.10 0.00	105.44 5.55 -56.35	169.88 5.57 -120.99	151.28 5.17 -102.87	101.32 4.47 -54.49	45.70 3.05 -4.30	39.41 2.63 -4.58	32.83 2.45 0.00	37.64 2.60 0.00	35.22 2.08 0.00
WDELAWARE__HYD 323627	30.47 0.69 0.00	31.46 0.60 0.00	29.31 0.55 0.00	24.97 0.56 0.00	27.05 0.52 0.00	33.89 0.58 0.00	27.54 0.56 0.00	26.80 0.68 0.00	30.15 0.75 0.00	33.28 0.88 0.06	41.26 1.48 0.02	40.25 1.91 0.00	37.34 1.92 0.00	39.35 2.15 0.00	43.49 2.50 0.00	46.17 2.64 0.00	45.88 2.61 0.05	45.61 2.37 0.00	44.39 2.02 0.00	38.66 1.38 1.07	33.37 1.18 0.00	31.47 1.10 0.00	36.08 1.05 0.00	33.91 0.77 0.00
WEST BABYLON__IC 23714	32.07 2.30 0.00	33.15 2.29 0.00	30.90 2.14 0.00	26.40 1.98 0.00	28.59 2.07 0.00	35.85 2.53 0.00	29.07 2.10 0.00	28.34 2.22 0.00	31.96 2.57 0.00	35.83 3.07 -0.30	59.87 4.16 -15.90	44.80 4.61 -1.84	46.89 4.42 -7.06	41.74 4.54 0.00	45.84 4.85 0.00	80.53 5.27 -31.72	82.36 5.28 -33.76	67.65 4.89 -19.53	49.79 4.19 -3.23	45.49 2.84 -4.30	35.78 2.45 -1.13	32.69 2.32 0.00	37.53 2.49 0.00	35.20 2.05 0.00



WEST CANADA___HYD 24049	29.95 0.17 0.00	31.05 0.18 0.00	28.93 0.17 0.00	24.55 0.14 0.00	26.67 0.15 0.00	33.52 0.20 0.00	27.16 0.18 0.00	26.31 0.18 0.00	29.56 0.16 0.00	32.66 0.19 0.00	40.11 0.31 0.00	38.73 0.38 0.00	35.76 0.35 0.00	37.60 0.40 0.00	41.48 0.49 0.00	44.02 0.49 0.00	43.83 0.51 0.00	43.72 0.48 0.00	42.83 0.47 0.00	38.71 0.37 0.00	32.52 0.32 0.00	30.68 0.30 0.00	35.28 0.24 0.00	33.29 0.15 0.00
WESTERN_NY_WIND 24143	30.46 0.68 0.00	31.36 0.50 0.00	29.21 0.46 0.00	24.44 0.03 0.00	26.66 0.14 0.00	33.55 0.23 0.00	26.89 -0.09 0.00	25.97 -0.15 0.00	28.96 -0.43 0.00	32.42 -0.04 0.00	40.80 1.00 0.00	39.57 1.22 0.00	36.30 0.89 0.00	38.08 0.89 0.00	41.87 0.87 0.00	44.65 1.12 0.00	44.83 1.51 0.00	44.95 1.71 0.00	44.52 2.16 0.00	40.39 2.04 0.00	33.66 1.47 0.00	31.90 1.52 0.00	36.89 1.85 0.00	34.35 1.21 0.00
WESTOVER___LESR 323668	30.02 0.24 0.00	31.06 0.19 0.00	28.92 0.16 0.00	24.51 0.09 0.00	26.64 0.12 0.00	33.51 0.19 0.00	27.06 0.08 0.00	26.29 0.17 0.00	29.50 0.10 0.00	32.77 0.31 0.00	40.50 0.70 -0.01	39.32 0.97 0.00	36.28 0.87 0.00	38.28 1.08 0.00	42.22 1.16 -0.07	44.81 1.23 -0.04	44.69 1.28 -0.09	44.45 1.21 0.00	43.69 1.32 0.00	39.45 1.11 0.00	33.03 0.84 0.00	31.18 0.80 0.00	35.89 0.85 0.00	33.58 0.44 0.00
WETHRSFD_WT_PWR 323626	29.87 0.09 0.00	30.84 -0.03 0.00	28.72 -0.04 0.00	24.12 -0.30 0.00	26.29 -0.23 0.00	33.09 -0.22 0.00	26.53 -0.45 0.00	25.68 -0.44 0.00	28.63 -0.76 0.00	32.09 -0.37 0.00	40.12 0.32 0.00	38.93 0.58 0.00	35.67 0.26 0.00	37.55 0.36 0.00	41.36 0.36 0.00	44.06 0.52 0.00	44.06 0.73 0.00	44.11 0.87 0.00	43.68 1.32 0.00	39.58 1.23 0.00	32.95 0.76 0.00	31.16 0.78 0.00	36.08 1.04 0.00	33.59 0.45 0.00
WHAVSTOR_138KV_BK127 55557	31.07 1.30 0.00	32.12 1.26 0.00	29.94 1.18 0.00	25.59 1.18 0.00	27.72 1.19 0.00	34.65 1.34 0.00	28.19 1.21 0.00	27.47 1.35 0.00	30.83 1.44 0.00	33.63 1.62 0.45	41.96 2.28 0.11	41.11 2.77 0.00	38.12 2.71 0.00	40.12 2.92 0.00	44.24 3.24 0.00	46.84 3.31 0.00	46.24 3.24 0.33	46.23 2.99 0.00	44.99 2.63 0.00	34.89 1.84 5.30	33.80 1.62 0.02	31.91 1.53 0.00	36.56 1.52 0.00	34.45 1.31 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	31.07 1.30 0.00	32.12 1.26 0.00	29.94 1.18 0.00	25.59 1.18 0.00	27.72 1.19 0.00	34.65 1.34 0.00	28.19 1.21 0.00	27.47 1.35 0.00	30.83 1.44 0.00	33.63 1.62 0.45	41.96 2.28 0.11	41.11 2.77 0.00	38.12 2.71 0.00	40.12 2.92 0.00	44.24 3.24 0.00	46.84 3.31 0.00	46.24 3.24 0.33	46.23 2.99 0.00	44.99 2.63 0.00	34.89 1.84 5.30	33.80 1.62 0.02	31.91 1.53 0.00	36.56 1.52 0.00	34.45 1.31 0.00
WHITEHAL_115KV_TB1 80871	33.21 3.43 0.00	34.69 3.82 0.00	32.39 3.63 0.00	26.97 2.56 0.00	29.57 3.05 0.00	37.92 4.60 0.00	30.80 3.82 0.00	29.73 3.61 0.00	33.66 4.27 0.00	37.03 4.52 -0.05	45.04 5.23 -0.01	43.06 4.72 0.00	38.91 3.50 0.00	40.88 3.68 0.00	45.54 4.54 0.00	48.36 4.83 0.00	48.99 5.67 0.00	48.95 5.71 0.00	47.29 4.93 0.00	43.87 4.65 -0.87	36.00 3.80 0.00	34.12 3.74 0.00	39.04 4.00 0.00	36.52 3.38 0.00
WHITEPLN_13_KV_LOAD 356215	31.78 2.01 0.00	32.83 1.96 0.00	30.56 1.80 0.00	26.06 1.65 0.00	28.21 1.68 0.00	35.34 2.02 0.00	28.72 1.75 0.00	28.01 1.88 0.00	31.52 2.12 0.00	35.22 2.45 -0.32	43.27 3.39 -0.08	42.19 3.85 0.00	39.13 3.71 0.00	41.18 3.98 0.00	45.39 4.39 0.00	48.08 4.55 0.00	48.03 4.46 -0.25	47.35 4.11 0.00	46.07 3.70 0.00	45.57 2.82 -4.40	34.63 2.42 -0.01	32.65 2.27 0.00	37.39 2.36 0.00	35.16 2.02 0.00
WM_FLOYD_69_KV_BK2 356380	31.70 1.93 0.00	32.73 1.87 0.00	30.53 1.77 0.00	26.13 1.72 0.00	28.29 1.76 0.00	35.45 2.14 0.00	28.77 1.79 0.00	28.08 1.96 0.00	31.64 2.24 0.00	35.54 2.78 -0.30	59.53 3.83 -15.90	44.38 4.19 -1.84	46.46 3.99 -7.06	41.36 4.17 0.00	45.49 4.49 0.00	130.98 4.93 -82.53	269.81 4.98 -221.51	249.51 4.54 -201.73	158.26 3.93 -111.96	45.28 2.63 -4.30	43.78 2.37 -9.22	32.49 2.12 0.00	37.16 2.12 0.00	34.73 1.59 0.00
WOODARD__115KV_TB2 355635	29.55 -0.22 0.00	30.59 -0.27 0.00	28.49 -0.27 0.00	24.14 -0.28 0.00	26.22 -0.31 0.00	32.96 -0.36 0.00	26.65 -0.32 0.00	25.83 -0.29 0.00	29.02 -0.37 0.00	32.19 -0.28 0.00	39.70 -0.11 -0.01	38.47 0.12 0.00	35.53 0.12 0.00	37.37 0.18 0.00	41.30 0.17 -0.13	43.86 0.25 -0.08	43.78 0.29 -0.17	43.54 0.30 0.00	42.73 0.36 0.00	38.64 0.29 0.00	32.40 0.20 0.00	30.57 0.19 0.00	35.15 0.11 0.00	33.01 -0.14 0.00
YORK___WARBASSE 23770	31.89 1.96 -0.15	32.77 1.90 0.00	30.54 1.78 0.00	26.06 1.65 0.00	28.16 1.64 0.00	35.26 1.94 0.00	28.69 1.71 0.00	27.96 1.83 0.00	31.45 2.05 0.00	35.14 2.38 -0.30	43.16 3.29 -0.07	43.75 3.76 -1.65	70.14 3.66 -31.06	179.83 3.90 -138.74	68.96 4.12 -23.84	73.27 4.18 -25.56	70.47 4.06 -23.09	68.12 3.68 -21.20	65.56 3.20 -19.99	67.02 2.39 -26.28	38.51 2.21 -4.11	32.49 2.11 -0.01	37.24 2.20 0.00	37.59 1.90 -2.55