

# Day Ahead Market Generator LBMP

--- LBMP \$

### --- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

07/13/2024

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	33.17	29.94	28.00	27.33	26.65	26.29	27.16	27.97	30.70	37.10	38.34	39.16	41.09	42.09	44.68	49.68	55.46	60.47	58.64	55.53	45.37	42.79	38.98	36.64
24138	2.68	2.32	2.14	2.05	1.95	1.88	2.06	2.31	2.77	3.44	3.49	3.40	3.70	3.62	3.88	4.52	5.04	5.35	4.94	4.21	3.20	3.13	3.02	2.96
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	33.20	29.96	27.95	27.33	26.65	26.29	27.21	27.94	30.67	37.10	38.34	39.23	41.05	41.98	44.59	49.59	55.36	60.42	58.53	55.48	45.46	42.83	39.12	36.71
24260	2.71	2.35	2.09	2.05	1.95	1.88	2.11	2.28	2.74	3.43	3.49	3.47	3.66	3.50	3.79	4.43	4.94	5.29	4.83	4.16	3.29	3.17	3.16	3.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	33.20	29.96	27.95	27.33	26.65	26.29	27.21	27.94	30.67	37.10	38.34	39.23	41.05	41.98	44.59	49.59	55.36	60.42	58.53	55.48	45.46	42.83	39.12	36.71
24261	2.71	2.35	2.09	2.05	1.95	1.88	2.11	2.28	2.74	3.43	3.49	3.47	3.66	3.50	3.79	4.43	4.94	5.29	4.83	4.16	3.29	3.17	3.16	3.03
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	32.59	29.55	27.54	26.93	26.28	25.94	26.65	27.17	29.64	35.95	36.81	37.69	39.55	40.44	42.92	47.83	53.55	58.71	58.10	55.38	45.75	42.95	38.65	36.13
24011	2.10	1.93	1.68	1.64	1.58	1.54	1.56	1.51	1.70	2.29	1.95	1.93	2.17	1.96	2.12	2.66	3.13	3.58	4.40	4.05	3.58	3.29	2.70	2.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	32.77	29.74	27.74	27.05	26.43	26.07	26.78	27.28	29.81	36.19	37.02	37.94	39.81	40.71	43.16	48.15	53.90	59.15	58.64	55.89	46.18	43.31	38.80	36.34
23798	2.29	2.13	1.89	1.77	1.73	1.66	1.68	1.62	1.87	2.53	2.16	2.18	2.43	2.23	2.37	2.98	3.48	4.02	4.94	4.57	4.01	3.65	2.84	2.66
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	32.59	29.55	27.54	26.93	26.28	25.94	26.65	27.17	29.64	35.95	36.81	37.69	39.55	40.44	42.92	47.83	53.55	58.71	58.10	55.38	45.75	42.95	38.65	36.13
24028	2.10	1.93	1.68	1.64	1.58	1.54	1.56	1.51	1.70	2.29	1.95	1.93	2.17	1.96	2.12	2.66	3.13	3.58	4.40	4.05	3.58	3.29	2.70	2.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	32.28	29.33	27.46	26.80	26.18	25.82	26.53	26.97	29.44	35.51	36.50	37.33	39.03	40.06	42.55	47.11	52.94	57.83	56.33	53.63	44.19	41.53	37.47	35.39
23527	1.80	1.71	1.60	1.52	1.48	1.41	1.43	1.31	1.51	1.85	1.64	1.57	1.64	1.58	1.75	1.94	2.52	2.70	2.63	2.31	2.02	1.86	1.51	1.72
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	31.12	28.22	26.37	25.79	25.20	24.85	25.60	26.12	28.44	34.34	35.42	36.22	37.80	38.78	41.17	45.75	51.23	56.01	54.61	52.04	42.76	40.22	36.39	34.18
24190	0.64	0.61	0.52	0.51	0.49	0.44	0.50	0.46	0.50	0.67	0.56	0.46	0.41	0.31	0.37	0.59	0.81	0.88	0.91	0.72	0.59	0.56	0.43	0.51
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	29.95	26.99	25.34	24.78	24.21	23.92	24.67	25.22	27.42	33.49	34.77	35.74	37.25	38.46	40.71	45.24	50.74	55.55	51.71	49.78	41.24	38.51	35.62	33.33
355683	-0.94	-0.77	-0.52	-0.51	-0.49	-0.49	-0.43	-0.44	-0.70	-0.91	-0.94	-0.97	-1.20	-1.19	-1.47	-1.72	-1.97	-2.32	-1.99	-1.54	-0.93	-1.15	-1.11	-1.04
	-0.41	-0.15	0.00	0.00	0.00	0.00	0.00	0.00	-0.19	-0.73	-0.85	-0.94	-1.06	-1.18	-1.38	-1.79	-2.28	-2.74	0.00	0.00	0.00	0.00	-0.78	-0.70
ALBANY_1_SOLAR	31.82	28.86	27.02	26.37	25.76	25.41	26.08	26.56	28.86	34.77	35.76	36.54	38.02	39.02	41.45	46.12	51.83	56.84	55.69	53.22	43.77	41.17	37.14	34.92
323833	1.34	1.24	1.16	1.09	1.06	1.00	0.98	0.90	0.92	1.11	0.90	0.79	0.63	0.54	0.65	0.95	1.41	1.71	1.99	1.90	1.60	1.51	1.18	1.25
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	31.79	28.86	27.02	26.35	25.74	25.41	26.08	26.53	28.86	34.77	35.73	36.54	38.02	38.98	41.41	46.12	51.78	56.84	55.69	53.17	43.77	41.13	37.11	34.89
323834	1.31	1.24	1.16	1.06	1.04	1.00	0.98	0.87	0.92	1.11	0.87	0.79	0.63	0.50	0.61	0.95	1.36	1.71	1.99	1.84	1.60	1.47	1.15	1.21
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	31.12	28.22	26.37	25.79	25.20	24.85	25.60	26.12	28.44	34.34	35.42	36.22	37.80	38.78	41.17	45.75	51.23	56.01	54.61	52.04	42.76	40.22	36.39	34.18
23571	0.64	0.61	0.52	0.51	0.49	0.44	0.50	0.46	0.50	0.67	0.56	0.46	0.41	0.31	0.37	0.59	0.81	0.88	0.91	0.72	0.59	0.56	0.43	0.51
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	31.12 0.64 0.00	28.22 0.61 0.00	26.37 0.52 0.00	25.79 0.51 0.00	25.20 0.49 0.00	24.85 0.44 0.00	25.60 0.50 0.00	26.12 0.46 0.00	28.44 0.50 0.00	34.34 0.67 0.00	35.42 0.56 0.00	36.22 0.46 0.00	37.80 0.41 0.00	38.78 0.31 0.00	41.17 0.37 0.00	45.75 0.59 0.00	51.23 0.81 0.00	56.01 0.88 0.00	54.61 0.91 0.00	52.04 0.72 0.00	42.76 0.59 0.00	40.22 0.56 0.00	36.39 0.43 0.00	34.18 0.51 0.00
ALBANY___3 23573	31.12 0.64 0.00	28.22 0.61 0.00	26.37 0.52 0.00	25.79 0.51 0.00	25.20 0.49 0.00	24.85 0.44 0.00	25.60 0.50 0.00	26.12 0.46 0.00	28.44 0.50 0.00	34.34 0.67 0.00	35.42 0.56 0.00	36.22 0.46 0.00	37.80 0.41 0.00	38.78 0.31 0.00	41.17 0.37 0.00	45.75 0.59 0.00	51.23 0.81 0.00	56.01 0.88 0.00	54.61 0.91 0.00	52.04 0.72 0.00	42.76 0.59 0.00	40.22 0.56 0.00	36.39 0.43 0.00	34.18 0.51 0.00
ALBANY___4 23574	31.12 0.64 0.00	28.22 0.61 0.00	26.37 0.52 0.00	25.79 0.51 0.00	25.20 0.49 0.00	24.85 0.44 0.00	25.60 0.50 0.00	26.12 0.46 0.00	28.44 0.50 0.00	34.34 0.67 0.00	35.42 0.56 0.00	36.22 0.46 0.00	37.80 0.41 0.00	38.78 0.31 0.00	41.17 0.37 0.00	45.75 0.59 0.00	51.23 0.81 0.00	56.01 0.88 0.00	54.61 0.91 0.00	52.04 0.72 0.00	42.76 0.59 0.00	40.22 0.56 0.00	36.39 0.43 0.00	34.18 0.51 0.00
ALBANY___LFGE 323615	31.49 1.00 0.00	28.55 0.94 0.00	26.73 0.88 0.00	26.09 0.81 0.00	25.49 0.79 0.00	25.14 0.73 0.00	25.85 0.75 0.00	26.35 0.69 0.00	28.75 0.81 0.00	34.77 1.11 0.00	35.83 0.97 0.00	36.72 0.97 0.00	38.35 0.97 0.00	39.32 0.85 0.00	41.74 0.94 0.00	46.39 1.22 0.00	51.93 1.51 0.00	56.78 1.65 0.00	55.42 1.72 0.00	52.76 1.44 0.00	43.35 1.18 0.00	40.77 1.11 0.00	36.78 0.83 0.00	34.62 0.94 0.00
ALCOA_PA_115KV_PL-6C 55860	30.01 -1.13 -0.66	26.94 -0.91 -0.23	25.39 -0.47 0.00	24.83 -0.46 0.00	24.23 -0.47 0.00	23.97 -0.44 0.00	24.72 -0.38 0.00	25.27 -0.38 0.00	27.37 -0.87 -0.30	33.74 -1.11 -1.18	35.08 -1.15 -1.37	36.13 -1.14 -1.52	37.64 -1.46 -1.71	38.95 -1.42 -1.89	41.26 -1.75 -2.22	45.97 -2.08 -2.88	51.78 -2.32 -3.68	56.83 -2.70 -4.41	51.34 -2.36 0.00	49.53 -1.80 0.00	41.07 -1.10 0.00	38.31 -1.35 0.00	35.94 -1.29 -1.28	33.61 -1.21 -1.15
ALCOA_RYNLDS___DRP 24188	30.01 -1.13 -0.66	26.94 -0.91 -0.23	25.39 -0.47 0.00	24.83 -0.46 0.00	24.23 -0.47 0.00	23.97 -0.44 0.00	24.72 -0.38 0.00	25.27 -0.38 0.00	27.37 -0.87 -0.30	33.74 -1.11 -1.18	35.08 -1.15 -1.37	36.13 -1.14 -1.52	37.64 -1.46 -1.71	38.95 -1.42 -1.89	41.26 -1.75 -2.22	45.97 -2.08 -2.88	51.78 -2.32 -3.68	56.83 -2.70 -4.41	51.34 -2.36 0.00	49.53 -1.80 0.00	41.07 -1.10 0.00	38.31 -1.35 0.00	35.94 -1.29 -1.28	33.61 -1.21 -1.15
ALCOA___DSASP 323711	30.02 -1.13 -0.66	26.94 -0.91 -0.23	25.00 -0.85 0.00	24.83 -0.45 0.00	24.23 -0.47 0.00	23.97 -0.44 0.00	24.72 -0.38 0.00	24.86 -0.80 0.00	27.37 -0.87 -0.30	33.74 -1.11 -1.18	35.08 -1.15 -1.37	36.13 -1.15 -1.52	37.56 -1.53 -1.71	38.87 -1.50 -1.89	41.18 -1.84 -2.22	45.97 -2.08 -2.88	51.68 -2.42 -3.68	56.83 -2.70 -4.41	51.34 -2.36 0.00	49.53 -1.80 0.00	41.07 -1.10 0.00	38.31 -1.35 0.00	36.08 -1.15 -1.28	33.68 -1.15 -1.15
ALLEGHENY___COGEN 23514	32.37 1.89 0.00	29.05 1.44 0.00	27.12 1.27 0.00	26.35 1.06 0.00	25.76 1.06 0.00	25.43 1.02 0.00	26.03 0.93 0.00	26.76 1.10 0.00	28.41 0.47 0.00	33.53 -0.13 0.00	35.17 0.31 0.00	36.33 0.57 0.00	38.47 1.08 0.00	38.55 0.08 0.00	41.05 0.25 0.00	45.03 -0.14 0.00	50.22 -0.20 0.00	55.68 0.55 0.00	54.94 1.24 0.00	53.53 2.21 0.00	44.53 2.36 0.00	42.20 2.54 0.00	39.08 3.13 0.00	36.40 2.73 0.00
ALTAMONT_115KV_TB 2 55880	31.49 1.01 0.00	28.53 0.91 0.00	26.66 0.80 0.00	26.07 0.78 0.00	25.47 0.77 0.00	25.14 0.73 0.00	25.85 0.75 0.00	26.40 0.74 0.00	28.77 0.84 0.00	34.74 1.08 0.00	35.83 0.98 0.00	36.69 0.93 0.00	38.32 0.93 0.00	39.32 0.85 0.00	41.78 0.98 0.00	46.39 1.22 0.00	51.88 1.46 0.00	56.73 1.60 0.00	55.31 1.61 0.00	52.76 1.44 0.00	43.35 1.18 0.00	40.77 1.11 0.00	36.93 0.97 0.00	34.65 0.98 0.00
ALTONA_WT_PWR 323606	30.17 -0.12 0.20	27.52 -0.03 0.07	25.85 0.00 0.00	25.44 0.15 0.00	24.88 0.17 0.00	24.65 0.24 0.00	25.45 0.35 0.00	25.84 0.18 0.00	28.10 0.25 0.09	33.58 0.27 0.35	34.80 0.35 0.41	35.74 0.43 0.45	36.35 -0.52 0.51	37.45 -0.46 0.56	39.33 -0.82 0.66	43.13 -1.17 0.86	47.31 -2.02 1.09	51.67 -2.15 1.31	52.04 -1.67 0.00	50.30 -1.03 0.00	42.38 0.21 0.00	39.11 -0.56 0.00	35.54 0.00 0.42	32.93 -0.37 0.37
AMERICAN_REF_FUEL 24010	30.21 -0.27 0.00	27.20 -0.41 0.00	25.47 -0.39 0.00	24.65 -0.63 0.00	24.14 -0.57 0.00	23.87 -0.54 0.00	24.50 -0.60 0.00	25.30 -0.36 0.00	26.93 -1.00 0.00	32.18 -1.48 0.00	34.69 -0.17 0.00	35.97 0.22 0.00	38.28 0.90 0.00	40.02 1.54 0.00	42.76 1.96 0.00	46.39 1.22 0.00	51.22 0.80 0.00	55.90 0.77 0.00	53.92 0.22 0.00	51.32 0.00 0.00	42.25 0.08 0.00	40.22 0.55 0.00	36.28 0.32 0.00	33.85 0.17 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	31.64 1.16 0.00	28.42 0.80 0.00	26.63 0.77 0.00	25.79 0.51 0.00	25.22 0.52 0.00	24.94 0.54 0.00	25.60 0.50 0.00	26.63 0.97 0.00	28.49 0.56 0.00	34.24 0.57 0.00	36.77 1.92 0.00	38.15 2.40 0.00	40.67 3.29 0.00	42.55 4.08 0.00	45.57 4.77 0.00	49.64 4.47 0.00	54.86 4.44 0.00	59.87 4.74 0.00	57.67 3.97 0.00	54.76 3.44 0.00	44.83 2.66 0.00	42.56 2.89 0.00	38.29 2.34 0.00	35.63 1.95 0.00
ARTHUR KILL_GT_1 23520	33.17 2.68 -0.01	29.97 2.35 -0.01	28.01 2.14 -0.01	27.34 2.05 -0.01	26.63 1.93 0.00	26.14 1.73 0.00	26.96 1.86 0.00	27.65 2.00 0.01	30.41 2.49 0.01	36.82 3.16 0.01	38.06 3.20 0.01	38.68 2.93 0.01	40.59 3.22 0.01	41.58 3.12 0.01	42.05 3.38 2.13	42.13 3.98 7.01	42.01 4.34 12.74	42.14 4.68 17.67	42.14 4.30 15.86	42.02 3.54 12.85	41.60 2.66 3.22	41.43 2.66 0.89	38.81 2.84 -0.02	36.61 2.93 -0.01
ARTHUR_KILL_2 23512	33.05 2.56 -0.01	29.86 2.24 -0.01	27.93 2.07 -0.01	27.24 1.95 -0.01	26.53 1.83 0.00	26.04 1.64 0.00	26.86 1.76 0.00	27.55 1.90 0.01	30.30 2.37 0.01	36.69 3.03 0.01	37.92 3.07 0.01	38.54 2.79 0.01	40.44 3.07 0.01	41.43 2.96 0.01	41.85 3.18 2.13	41.90 3.75 7.01	41.76 4.08 12.74	41.87 4.41 17.67	41.87 4.03 15.86	41.71 3.24 12.85	41.39 2.44 3.22	41.23 2.46 0.89	38.63 2.66 -0.02	36.48 2.79 -0.01
ARTHUR_KILL_3 23513	32.83 2.35 0.00	29.60 1.99 0.00	27.69 1.84 0.00	27.03 1.74 0.00	26.33 1.63 0.00	26.02 1.61 0.00	26.86 1.76 0.00	27.66 2.00 0.00	30.37 2.43 0.00	36.70 3.03 0.00	37.89 3.03 0.00	38.69 2.93 0.00	40.52 3.14 0.00	41.44 2.96 0.00	41.82 3.14 2.12	41.82 3.66 7.00	41.82 4.14 12.74	41.82 4.35 17.66	41.82 3.97 15.85	41.82 3.33 12.84	41.44 2.49 3.22	41.24 2.46 0.88	38.52 2.55 -0.01	36.23 2.56 0.00



ARTHUR_KILL_COGEN 323718	33.17 2.68 -0.01	29.97 2.35 -0.01	28.01 2.14 -0.01	27.34 2.05 -0.01	26.63 1.93 0.00	26.14 1.73 0.00	26.96 1.86 0.00	27.65 2.00 0.01	30.41 2.49 0.01	36.82 3.16 0.01	38.06 3.20 0.01	38.68 2.93 0.01	40.59 3.22 0.01	41.58 3.12 0.01	42.05 3.38 2.13	42.13 3.98 7.01	42.01 4.34 12.74	42.14 4.68 17.67	42.14 4.30 15.86	42.02 3.54 12.85	41.60 2.66 3.22	41.43 2.66 0.89	38.81 2.84 -0.02	36.61 2.93 -0.01
ASHOKAN____ 23654	32.49 2.01 0.00	29.47 1.85 0.00	27.51 1.66 0.00	26.78 1.49 0.00	26.18 1.48 0.00	25.70 1.29 0.00	26.35 1.25 0.00	26.66 1.00 0.00	29.02 1.09 0.00	35.11 1.45 0.00	36.01 1.15 0.00	36.83 1.07 0.00	38.50 1.12 0.00	39.55 1.08 0.00	42.19 1.39 0.00	47.06 1.90 0.00	53.04 2.62 0.00	58.38 3.25 0.00	57.24 3.54 0.00	54.76 3.44 0.00	44.61 2.44 0.00	42.00 2.34 0.00	37.93 1.98 0.00	35.70 2.02 0.00
ASTORIA_EAST_ENERGY_CC1 323581	33.20 2.71 -0.01	29.94 2.32 0.00	27.95 2.09 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.91 1.81 0.00	27.65 2.00 0.01	30.39 2.46 0.01	36.72 3.06 0.01	37.95 3.10 0.01	38.65 2.90 0.01	40.52 3.14 0.01	41.47 3.00 0.01	43.98 3.18 0.01	48.81 3.66 0.01	54.45 4.04 0.01	59.42 4.30 0.01	57.61 3.92 0.01	54.55 3.24 0.01	44.65 2.49 0.01	42.19 2.54 0.01	38.54 2.59 0.01	36.61 2.93 0.00
ASTORIA_EAST_ENERGY_CC2 323582	33.20 2.71 -0.01	29.94 2.32 0.00	27.95 2.09 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.91 1.81 0.00	27.65 2.00 0.01	30.39 2.46 0.01	36.72 3.06 0.01	37.95 3.10 0.01	38.65 2.90 0.01	40.52 3.14 0.01	41.47 3.00 0.01	43.98 3.18 0.01	48.81 3.66 0.01	54.45 4.04 0.01	59.42 4.30 0.01	57.61 3.92 0.01	54.55 3.24 0.01	44.65 2.49 0.01	42.19 2.54 0.01	38.54 2.59 0.01	36.61 2.93 0.00
ASTORIA_GT2_1 24094	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT2_2 24095	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT2_3 24096	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT2_4 24097	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT3_1 24098	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT3_2 24099	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT3_3 24100	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT3_4 24101	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT4_1 24102	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT4_2 24103	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT4_3 24104	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00



ASTORIA_GT4_4 24105	33.20 2.71 0.00	29.93 2.32 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.96 1.86 0.00	27.69 2.03 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.56 3.18 0.00	41.48 3.00 0.00	44.02 3.22 0.00	48.91 3.75 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.60 3.28 0.01	44.87 2.70 0.00	42.32 2.66 0.00	38.73 2.77 0.00	36.67 3.00 0.00
ASTORIA_GT_1 23523	33.29 2.80 -0.01	30.02 2.40 0.00	28.00 2.14 0.00	27.33 2.05 0.00	26.58 1.88 0.00	26.14 1.73 0.00	26.98 1.88 0.00	27.73 2.08 0.01	30.47 2.54 0.01	36.82 3.16 0.01	38.06 3.20 0.01	38.75 3.00 0.01	40.63 3.25 0.01	41.58 3.12 0.01	44.14 3.35 0.01	48.99 3.84 0.01	54.59 4.18 0.01	59.64 4.52 0.01	57.83 4.14 0.01	54.70 3.39 0.01	44.82 2.66 0.01	42.31 2.66 0.01	38.65 2.70 0.01	36.71 3.03 0.00
ASTORIA_GT_10 24110	33.07 2.59 0.00	29.82 2.21 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.71 2.05 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.00 3.84 0.00	54.60 4.18 0.00	59.59 4.47 0.00	57.78 4.08 0.00	54.70 3.39 0.01	44.91 2.74 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.54 2.86 0.00
ASTORIA_GT_11 24225	33.07 2.59 0.00	29.82 2.21 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.71 2.05 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.00 3.84 0.00	54.60 4.18 0.00	59.59 4.47 0.00	57.78 4.08 0.00	54.70 3.39 0.01	44.91 2.74 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.54 2.86 0.00
ASTORIA_GT_12 24226	33.07 2.59 0.00	29.82 2.21 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.71 2.05 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.00 3.84 0.00	54.60 4.18 0.00	59.59 4.47 0.00	57.78 4.08 0.00	54.70 3.39 0.01	44.91 2.74 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.54 2.86 0.00
ASTORIA_GT_13 24227	33.07 2.59 0.00	29.82 2.21 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.71 2.05 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.00 3.84 0.00	54.60 4.18 0.00	59.59 4.47 0.00	57.78 4.08 0.00	54.70 3.39 0.01	44.91 2.74 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.54 2.86 0.00
ASTORIA_GT_5 24106	33.29 2.80 0.00	30.02 2.40 0.00	27.95 2.09 0.00	27.33 2.05 0.00	26.58 1.88 0.00	26.11 1.71 0.00	27.03 1.93 0.00	27.74 2.08 0.00	30.48 2.54 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.64 3.25 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.66 4.24 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.75 3.44 0.01	44.95 2.78 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.77 3.10 0.00
ASTORIA_GT_7 24107	33.29 2.80 0.00	30.02 2.40 0.00	27.95 2.09 0.00	27.33 2.05 0.00	26.58 1.88 0.00	26.11 1.71 0.00	27.03 1.93 0.00	27.74 2.08 0.00	30.48 2.54 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.64 3.25 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.66 4.24 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.75 3.44 0.01	44.95 2.78 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.77 3.10 0.00
ASTORIA_GT_8 24108	33.29 2.80 0.00	30.02 2.40 0.00	27.95 2.09 0.00	27.33 2.05 0.00	26.58 1.88 0.00	26.11 1.71 0.00	27.03 1.93 0.00	27.74 2.08 0.00	30.48 2.54 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.64 3.25 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.66 4.24 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.75 3.44 0.01	44.95 2.78 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.77 3.10 0.00
ASTORIA___2 24149	33.20 2.71 -0.01	29.94 2.32 0.00	27.95 2.09 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.09 1.68 0.00	26.93 1.83 0.00	27.68 2.03 0.01	30.41 2.49 0.01	36.75 3.10 0.01	37.95 3.10 0.01	38.65 2.90 0.01	40.55 3.18 0.01	41.51 3.04 0.01	44.01 3.22 0.01	48.86 3.70 0.01	54.49 4.08 0.01	59.47 4.35 0.01	57.67 3.97 0.01	54.55 3.24 0.01	44.69 2.53 0.01	42.23 2.58 0.01	38.57 2.62 0.01	36.64 2.96 0.00
ASTORIA___3 23516	33.07 2.59 0.00	29.83 2.21 0.00	27.90 2.04 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.74 2.08 0.00	30.45 2.52 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.76 3.00 0.00	40.63 3.25 0.00	41.63 3.16 0.00	44.15 3.35 0.00	48.96 3.79 0.00	54.56 4.14 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.65 3.33 0.01	44.78 2.62 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.51 2.83 0.00
ASTORIA___4 23517	33.07 2.59 0.00	29.82 2.21 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.71 2.05 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.00 3.84 0.00	54.60 4.18 0.00	59.59 4.47 0.00	57.78 4.08 0.00	54.70 3.39 0.01	44.91 2.74 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.54 2.86 0.00
ASTORIA___5 23518	33.07 2.59 0.00	29.83 2.21 0.00	27.90 2.04 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.74 2.08 0.00	30.45 2.52 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.76 3.00 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.15 3.35 0.00	48.96 3.79 0.00	54.56 4.14 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.65 3.33 0.01	44.78 2.62 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.51 2.83 0.00
AST_ENERGY_2_CC3 323677	32.92 2.44 0.00	29.71 2.10 0.00	27.79 1.94 0.00	27.13 1.84 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.93 1.83 0.00	27.71 2.05 0.00	30.39 2.46 0.00	36.76 3.10 0.00	37.96 3.10 0.00	38.76 3.00 0.00	40.63 3.25 0.00	41.59 3.12 0.00	44.15 3.35 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.76 4.63 0.00	57.89 4.19 0.00	54.91 3.59 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.62 2.66 0.00	36.34 2.66 0.00
AST_ENERGY_2_CC4 323678	32.92 2.44 0.00	29.71 2.10 0.00	27.79 1.94 0.00	27.13 1.84 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.93 1.83 0.00	27.71 2.05 0.00	30.39 2.46 0.00	36.76 3.10 0.00	37.96 3.10 0.00	38.76 3.00 0.00	40.63 3.25 0.00	41.59 3.12 0.00	44.15 3.35 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.76 4.63 0.00	57.89 4.19 0.00	54.91 3.59 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.62 2.66 0.00	36.34 2.66 0.00



ATHENS_STG_1 23668	31.67 1.19 0.00	28.66 1.05 0.00	26.84 0.98 0.00	26.19 0.91 0.00	25.57 0.86 0.00	25.24 0.83 0.00	26.00 0.90 0.00	26.61 0.95 0.00	29.05 1.12 0.00	35.08 1.41 0.00	36.22 1.36 0.00	37.04 1.29 0.00	38.77 1.38 0.00	39.79 1.31 0.00	42.27 1.47 0.00	46.93 1.76 0.00	52.49 2.07 0.00	57.27 2.15 0.00	55.69 1.99 0.00	53.01 1.69 0.00	43.43 1.26 0.00	40.89 1.23 0.00	37.11 1.15 0.00	34.89 1.21 0.00
ATHENS_STG_2 23670	31.67 1.19 0.00	28.66 1.05 0.00	26.84 0.98 0.00	26.19 0.91 0.00	25.57 0.86 0.00	25.24 0.83 0.00	26.00 0.90 0.00	26.61 0.95 0.00	29.05 1.12 0.00	35.08 1.41 0.00	36.22 1.36 0.00	37.04 1.29 0.00	38.77 1.38 0.00	39.79 1.31 0.00	42.27 1.47 0.00	46.93 1.76 0.00	52.49 2.07 0.00	57.27 2.15 0.00	55.69 1.99 0.00	53.01 1.69 0.00	43.43 1.26 0.00	40.89 1.23 0.00	37.11 1.15 0.00	34.89 1.21 0.00
ATHENS_STG_3 23677	31.67 1.19 0.00	28.66 1.05 0.00	26.84 0.98 0.00	26.19 0.91 0.00	25.57 0.86 0.00	25.24 0.83 0.00	26.00 0.90 0.00	26.61 0.95 0.00	29.05 1.12 0.00	35.08 1.41 0.00	36.22 1.36 0.00	37.04 1.29 0.00	38.77 1.38 0.00	39.79 1.31 0.00	42.27 1.47 0.00	46.93 1.76 0.00	52.49 2.07 0.00	57.27 2.15 0.00	55.69 1.99 0.00	53.01 1.69 0.00	43.43 1.26 0.00	40.89 1.23 0.00	37.11 1.15 0.00	34.89 1.21 0.00
AUBURN___LFGE 323710	30.88 0.46 0.06	27.87 0.28 0.02	26.01 0.16 0.00	25.44 0.15 0.00	24.88 0.17 0.00	24.60 0.20 0.00	25.17 0.08 0.00	25.81 0.15 0.00	28.13 0.22 0.03	34.08 0.27 -0.15	35.23 0.49 0.12	36.31 0.68 0.13	38.17 0.93 0.15	39.47 1.15 0.16	41.87 1.26 0.19	46.23 1.31 0.25	51.47 1.36 0.32	57.82 1.71 -0.99	56.40 1.56 -1.15	54.46 1.59 -1.55	43.59 1.14 -0.28	41.40 1.15 -0.59	36.78 0.93 0.11	34.44 0.77 0.01
BABYLON_RES_REC 323704	39.99 3.08 -6.43	38.99 2.73 -8.64	38.18 2.54 -9.79	36.56 2.38 -8.90	35.37 2.27 -8.39	36.37 2.22 -9.74	36.23 2.39 -8.75	37.02 2.59 -8.77	38.47 3.02 -7.51	39.15 3.70 -1.78	38.49 3.14 -0.49	44.93 3.08 -6.09	46.14 3.29 -5.46	47.36 2.96 -5.92	49.79 3.06 -5.93	55.18 3.66 -6.36	67.21 4.18 -12.61	80.40 4.46 -20.81	63.41 3.92 -5.79	60.01 3.18 -5.50	50.62 2.57 -5.88	48.26 2.50 -6.10	38.73 2.77 0.00	36.71 3.03 0.00
BABYLON__69_KV_BK2 356345	40.51 3.57 -6.46	39.44 3.18 -8.64	38.52 2.87 -9.79	36.92 2.73 -8.90	35.71 2.62 -8.39	36.71 2.56 -9.74	36.58 2.74 -8.75	37.38 2.95 -8.77	38.91 3.46 -7.51	39.69 4.24 -1.79	40.42 4.04 -1.52	58.73 4.08 -18.89	58.55 4.22 -16.94	60.78 3.96 -18.34	63.38 4.20 -18.38	69.84 4.97 -19.71	95.20 5.70 -39.09	125.69 6.06 -64.50	77.08 5.42 -17.95	73.05 4.67 -17.06	64.20 3.80 -18.23	62.33 3.77 -18.90	39.73 3.78 0.00	37.32 3.64 0.00
BALL_HILL_WT_PWR 323825	31.06 0.58 0.00	27.92 0.30 0.00	26.17 0.31 0.00	25.34 0.05 0.00	24.80 0.10 0.00	24.50 0.10 0.00	25.15 0.05 0.00	26.09 0.44 0.00	27.91 -0.03 0.00	33.50 -0.17 0.00	35.97 1.12 0.00	37.29 1.54 0.00	39.74 2.36 0.00	41.52 3.04 0.00	44.43 3.63 0.00	48.37 3.21 0.00	53.44 3.02 0.00	58.38 3.25 0.00	56.22 2.52 0.00	53.43 2.11 0.00	43.81 1.64 0.00	41.64 1.98 0.00	37.50 1.55 0.00	34.89 1.21 0.00
BARON_WINDS___WT_PWR 323822	31.15 0.67 0.00	28.06 0.44 0.00	26.27 0.41 0.00	25.51 0.23 0.00	24.95 0.25 0.00	24.65 0.24 0.00	25.30 0.20 0.00	26.22 0.56 0.00	28.22 0.28 0.00	33.96 0.24 -0.06	35.90 1.04 0.00	37.12 1.36 0.00	39.36 1.98 0.00	40.86 2.39 0.00	43.58 2.78 0.00	47.74 2.57 0.00	52.94 2.52 0.00	58.27 2.81 -0.34	56.29 2.31 -0.28	53.86 2.16 -0.38	43.88 1.64 -0.07	41.63 1.83 -0.15	37.50 1.55 0.00	34.91 1.21 -0.02
BARRETT_IC_1 23704	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_10 23701	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_11 23702	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_12 23703	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_2 23705	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_3 23706	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_4 23707	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00



BARRETT_IC_5 23708	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_6 23709	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_7 23710	39.71 2.80 -6.42	38.69 2.43 -8.64	37.85 2.20 -9.79	36.36 2.17 -8.90	35.20 2.10 -8.39	36.20 2.05 -9.74	36.08 2.23 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.07 3.21 0.00	39.01 3.25 0.00	40.75 3.36 0.00	41.67 3.19 0.00	44.10 3.30 0.00	49.10 3.93 0.00	54.86 4.44 0.00	59.81 4.69 0.00	57.89 4.19 0.00	54.81 3.49 0.00	44.99 2.83 0.00	42.52 2.86 0.00	38.80 2.84 0.00	36.44 2.76 0.00
BARRETT_IC_8 23711	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT_IC_9 23700	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT___1 23545	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BARRETT___2 23546	39.70 2.80 -6.42	38.69 2.43 -8.64	37.90 2.25 -9.79	36.36 2.17 -8.90	35.19 2.10 -8.39	36.20 2.05 -9.74	36.05 2.21 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.84 3.40 -1.78	38.03 3.17 0.00	38.94 3.18 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.73 4.03 0.00	54.66 3.33 0.00	44.87 2.70 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.37 2.70 0.00
BATAVIA___115KV_TB1 55881	31.43 0.94 0.00	28.22 0.61 0.00	26.27 0.41 0.00	25.56 0.28 0.00	25.00 0.30 0.00	24.72 0.32 0.00	25.10 0.00 0.00	25.56 -0.10 0.00	27.96 0.03 0.00	33.43 -0.24 0.00	35.63 0.77 0.00	36.94 1.18 0.00	39.25 1.87 0.00	41.05 2.58 0.00	43.82 3.02 0.00	47.69 2.53 0.00	52.59 2.17 0.00	57.88 2.76 0.00	56.01 2.31 0.00	53.38 2.05 0.00	43.69 1.52 0.00	41.72 2.06 0.00	37.57 1.62 0.00	35.06 1.38 0.00
BAYONEEC___CTG1 323682	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BAYONEEC___CTG10 323750	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BAYONEEC___CTG2 323683	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BAYONEEC___CTG3 323684	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BAYONEEC___CTG4 323685	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BAYONEEC___CTG5 323686	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BAYONEEC___CTG6 323687	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00



BAYONEEC___CTG7 323688	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BAYONEEC___CTG8 323689	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BAYONEEC___CTG9 323749	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.67 3.29 0.00	41.63 3.16 0.00	43.56 3.35 0.59	42.53 3.93 6.56	42.53 4.38 12.27	42.53 4.63 17.23	42.53 4.24 15.41	42.53 3.59 12.38	42.53 2.70 2.34	42.36 2.70 0.00	38.69 2.73 0.00	36.37 2.70 0.00
BEACON___LESR 323632	31.67 1.19 0.00	28.72 1.11 0.00	26.89 1.04 0.00	26.25 0.96 0.00	25.62 0.91 0.00	25.28 0.88 0.00	25.98 0.88 0.00	26.50 0.85 0.00	28.91 0.98 0.00	34.98 1.31 0.00	36.04 1.19 0.00	36.94 1.18 0.00	38.54 1.16 0.00	39.55 1.08 0.00	41.98 1.18 0.00	46.65 1.49 0.00	52.18 1.76 0.00	57.17 2.04 0.00	55.85 2.15 0.00	53.17 1.84 0.00	43.68 1.52 0.00	41.05 1.39 0.00	37.03 1.08 0.00	34.82 1.15 0.00
BEAVER RIVER___HYD 24048	28.48 -0.91 1.09	26.37 -0.86 0.39	25.00 -0.85 0.00	24.55 -0.73 0.00	23.96 -0.74 0.00	23.70 -0.71 0.00	24.45 -0.65 0.00	24.84 -0.82 0.00	26.49 -0.95 0.50	30.68 -1.18 1.81	31.26 -1.32 2.27	31.84 -1.40 2.52	33.12 -1.42 2.84	33.91 -1.42 3.14	35.45 -1.67 3.68	38.44 -1.94 4.79	42.24 -2.07 6.11	46.79 -1.82 6.52	53.14 -1.23 -0.67	51.71 -0.51 -0.90	41.91 -0.42 -0.16	39.65 -0.36 -0.34	33.25 -0.54 2.17	31.01 -0.77 1.90
BEEBEE_GT_13 23619	30.82 0.34 0.00	27.73 0.11 0.00	25.85 0.00 0.00	25.21 -0.08 0.00	24.65 -0.05 0.00	24.36 -0.05 0.00	24.82 -0.28 0.00	25.35 -0.31 0.00	27.74 -0.20 0.00	33.33 -0.34 0.00	35.24 0.38 0.00	36.47 0.72 0.00	38.54 1.16 0.00	40.13 1.65 0.00	42.68 1.88 0.00	46.75 1.58 0.00	51.68 1.26 0.00	56.73 1.60 0.00	54.99 1.29 0.00	52.45 1.13 0.00	42.97 0.80 0.00	40.81 1.15 0.00	36.82 0.86 0.00	34.38 0.71 0.00
BENSHRST_27_KV_BENSHRST_1 355998	33.45 2.96 -0.01	30.16 2.54 -0.01	28.14 2.28 -0.01	27.52 2.23 -0.01	26.78 2.08 0.00	26.33 1.93 0.00	27.23 2.13 0.00	27.94 2.28 0.00	30.73 2.79 0.00	37.23 3.57 0.00	38.52 3.66 0.00	39.37 3.61 0.00	41.09 3.70 0.00	42.06 3.58 0.00	44.68 3.88 0.00	49.68 4.52 0.00	55.36 4.94 0.00	60.47 5.35 0.00	58.59 4.89 0.00	55.42 4.11 0.01	45.41 3.25 0.00	42.83 3.17 0.00	39.35 3.38 -0.02	36.95 3.27 -0.01
BETHLEHEM___GRP 23843	31.12 0.64 0.00	28.22 0.61 0.00	26.37 0.52 0.00	25.79 0.51 0.00	25.20 0.49 0.00	24.85 0.44 0.00	25.60 0.50 0.00	26.12 0.46 0.00	28.44 0.50 0.00	34.34 0.67 0.00	35.42 0.56 0.00	36.22 0.46 0.00	37.80 0.41 0.00	38.78 0.31 0.00	41.17 0.37 0.00	45.75 0.59 0.00	51.23 0.81 0.00	56.01 0.88 0.00	54.61 0.91 0.00	52.04 0.72 0.00	42.76 0.59 0.00	40.22 0.56 0.00	36.39 0.43 0.00	34.18 0.51 0.00
BETHLEHEM___GS1 323560	31.12 0.64 0.00	28.22 0.61 0.00	26.42 0.57 0.00	25.79 0.51 0.00	25.20 0.49 0.00	24.87 0.46 0.00	25.55 0.45 0.00	26.07 0.41 0.00	28.44 0.50 0.00	34.34 0.67 0.00	35.38 0.52 0.00	36.22 0.46 0.00	37.80 0.41 0.00	38.78 0.31 0.00	41.17 0.37 0.00	45.71 0.54 0.00	51.22 0.80 0.00	55.96 0.83 0.00	54.56 0.86 0.00	51.99 0.67 0.00	42.71 0.55 0.00	40.18 0.51 0.00	36.28 0.32 0.00	34.15 0.47 0.00
BETHLEHEM___GS2 323561	31.12 0.64 0.00	28.22 0.61 0.00	26.42 0.57 0.00	25.79 0.51 0.00	25.20 0.49 0.00	24.87 0.46 0.00	25.55 0.45 0.00	26.07 0.41 0.00	28.44 0.50 0.00	34.34 0.67 0.00	35.38 0.52 0.00	36.22 0.46 0.00	37.80 0.41 0.00	38.78 0.31 0.00	41.17 0.37 0.00	45.71 0.54 0.00	51.22 0.80 0.00	55.96 0.83 0.00	54.56 0.86 0.00	51.99 0.67 0.00	42.71 0.55 0.00	40.18 0.51 0.00	36.28 0.32 0.00	34.15 0.47 0.00
BETHLEHEM___GS3 323562	31.12 0.64 0.00	28.22 0.61 0.00	26.42 0.57 0.00	25.79 0.51 0.00	25.20 0.49 0.00	24.87 0.46 0.00	25.55 0.45 0.00	26.07 0.41 0.00	28.44 0.50 0.00	34.34 0.67 0.00	35.38 0.52 0.00	36.22 0.46 0.00	37.80 0.41 0.00	38.78 0.31 0.00	41.17 0.37 0.00	45.71 0.54 0.00	51.22 0.80 0.00	55.96 0.83 0.00	54.56 0.86 0.00	51.99 0.67 0.00	42.71 0.55 0.00	40.18 0.51 0.00	36.28 0.32 0.00	34.15 0.47 0.00
BETHLEHEM___STEEL 23779	30.91 0.43 0.00	27.78 0.17 0.00	25.91 0.05 0.00	25.21 -0.08 0.00	24.65 -0.05 0.00	24.38 -0.02 0.00	24.75 -0.35 0.00	25.27 -0.38 0.00	27.66 -0.28 0.00	33.19 -0.47 0.00	35.52 0.66 0.00	36.87 1.11 0.00	39.18 1.79 0.00	41.05 2.58 0.00	43.94 3.14 0.00	47.79 2.62 0.00	52.64 2.22 0.00	57.61 2.48 0.00	55.53 1.83 0.00	52.81 1.49 0.00	42.93 0.76 0.00	41.13 1.47 0.00	37.14 1.19 0.00	34.62 0.94 0.00
BETHLHEM_115KV_TB1 79974	31.18 0.70 0.00	28.28 0.66 0.00	26.42 0.57 0.00	25.87 0.58 0.00	25.25 0.54 0.00	24.92 0.51 0.00	25.65 0.55 0.00	26.17 0.51 0.00	28.49 0.56 0.00	34.44 0.77 0.00	35.52 0.66 0.00	36.33 0.57 0.00	37.91 0.52 0.00	38.90 0.42 0.00	41.29 0.49 0.00	45.84 0.68 0.00	51.33 0.91 0.00	56.12 0.99 0.00	54.72 1.02 0.00	52.14 0.82 0.00	42.88 0.72 0.00	40.30 0.63 0.00	36.50 0.54 0.00	34.25 0.57 0.00
BETHPAGE_CC_5 323564	39.80 2.90 -6.42	38.77 2.51 -8.64	38.00 2.35 -9.79	36.41 2.23 -8.90	35.22 2.12 -8.39	36.22 2.07 -9.74	36.08 2.23 -8.75	36.87 2.44 -8.77	38.30 2.85 -7.51	38.98 3.53 -1.78	38.27 3.28 -0.14	40.82 3.33 -1.74	42.50 3.55 -1.56	43.48 3.31 -1.69	45.96 3.47 -1.69	51.00 4.02 -1.81	58.56 4.54 -3.60	65.86 4.79 -5.94	59.55 4.19 -1.65	56.39 3.49 -1.57	46.67 2.83 -1.68	44.18 2.78 -1.74	38.80 2.84 0.00	36.47 2.79 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	30.97 0.49 0.00	27.84 0.22 0.00	25.93 0.08 0.00	25.23 -0.05 0.00	24.70 0.00 0.00	24.43 0.02 0.00	24.80 -0.30 0.00	25.32 -0.33 0.00	27.74 -0.20 0.00	33.29 -0.37 0.00	35.66 0.80 0.00	37.01 1.25 0.00	39.33 1.94 0.00	41.21 2.73 0.00	44.15 3.35 0.00	48.01 2.85 0.00	52.89 2.47 0.00	57.88 2.76 0.00	55.74 2.04 0.00	53.02 1.69 0.00	43.10 0.93 0.00	41.25 1.59 0.00	37.25 1.29 0.00	34.72 1.04 0.00



BINGHAMTON___COGEN 23790	31.12 0.64 0.00	28.08 0.47 0.00	26.22 0.36 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.75 0.34 0.00	25.35 0.25 0.00	26.04 0.38 0.00	28.44 0.50 0.00	34.38 0.61 -0.11	35.73 0.87 0.00	36.80 1.04 0.00	38.73 1.35 0.00	40.05 1.58 0.00	42.55 1.75 0.00	47.02 1.85 0.00	52.34 1.92 0.00	57.89 2.15 -0.61	56.04 1.83 -0.51	53.76 1.74 -0.69	43.52 1.22 -0.13	41.23 1.31 -0.26	37.11 1.15 0.00	34.66 0.94 -0.04
BIXINCNT_115KV_LOAD 355685	31.06 0.58 0.00	27.84 0.22 0.00	25.91 0.05 0.00	25.13 -0.15 0.00	24.68 -0.02 0.00	24.41 0.00 0.00	24.82 -0.28 0.00	25.45 -0.21 0.00	27.91 -0.03 0.00	33.63 -0.03 0.00	36.04 1.19 0.00	37.37 1.61 0.00	39.66 2.28 0.00	41.48 3.00 0.00	44.39 3.59 0.00	48.42 3.25 0.00	53.29 2.87 0.00	58.27 3.14 0.00	56.22 2.52 0.00	53.43 2.10 0.00	43.39 1.22 0.00	41.49 1.82 0.00	37.43 1.47 0.00	34.82 1.15 0.00
BLACK RIVER___HYD 24047	28.93 -0.79 0.76	26.54 -0.80 0.27	25.03 -0.83 0.00	24.53 -0.76 0.00	23.94 -0.77 0.00	23.70 -0.71 0.00	24.42 -0.68 0.00	24.84 -0.82 0.00	26.61 -0.98 0.35	31.35 -1.21 1.11	31.91 -1.36 1.59	32.57 -1.43 1.76	33.98 -1.42 1.98	34.90 -1.38 2.20	36.60 -1.63 2.57	39.84 -1.99 3.34	44.08 -2.07 4.27	49.71 -1.65 3.76	53.87 -0.97 -1.13	52.80 -0.05 -1.53	42.36 -0.08 -0.28	40.32 0.08 -0.58	34.23 -0.21 1.51	31.86 -0.54 1.27
BLACKRVR_115KV_TB2 79977	28.93 -0.79 0.76	26.54 -0.80 0.27	25.08 -0.78 0.00	24.53 -0.76 0.00	23.94 -0.77 0.00	23.70 -0.71 0.00	24.42 -0.68 0.00	24.86 -0.80 0.00	26.61 -0.98 0.35	31.35 -1.21 1.11	31.91 -1.36 1.59	32.53 -1.47 1.76	33.98 -1.42 1.98	34.90 -1.39 2.20	36.60 -1.63 2.57	39.83 -1.99 3.34	44.04 -2.12 4.27	49.71 -1.65 3.76	53.87 -0.97 -1.13	52.75 -0.10 -1.53	42.32 -0.13 -0.28	40.28 0.04 -0.58	34.23 -0.22 1.51	31.86 -0.54 1.27
BLISS_WT_PWR 323608	31.00 0.52 0.00	27.78 0.17 0.00	25.96 0.10 0.00	25.06 -0.23 0.00	24.63 -0.07 0.00	24.33 -0.07 0.00	25.00 -0.10 0.00	25.97 0.31 0.00	27.88 -0.06 0.00	33.63 -0.03 0.00	36.15 1.29 0.00	37.47 1.72 0.00	39.85 2.47 0.00	41.59 3.12 0.00	44.55 3.75 0.00	48.51 3.34 0.00	53.55 3.13 0.00	58.43 3.31 0.00	56.38 2.68 0.00	53.58 2.26 0.00	43.86 1.69 0.00	41.64 1.98 0.00	37.50 1.55 0.00	34.85 1.18 0.00
BLUESTONE___WT_PWR 323821	32.59 2.10 0.00	29.41 1.79 0.00	27.46 1.60 0.00	26.80 1.52 0.00	26.16 1.46 0.00	25.87 1.46 0.00	26.68 1.58 0.00	27.87 2.21 0.00	30.23 2.29 0.00	36.57 2.83 -0.08	37.82 2.96 0.00	38.76 3.00 0.00	41.24 3.85 0.00	42.48 4.00 0.00	45.00 4.20 0.00	49.64 4.47 0.00	55.36 4.94 0.00	60.61 4.96 -0.52	59.14 4.99 -0.44	57.10 5.18 -0.59	46.28 4.01 -0.11	43.81 3.93 -0.23	39.23 3.27 0.00	36.44 2.73 -0.03
BLUE_CIRC_CHEM_DRP 24182	31.55 1.07 0.00	28.61 0.99 0.00	26.73 0.88 0.00	26.17 0.88 0.00	25.54 0.84 0.00	25.21 0.81 0.00	25.93 0.83 0.00	26.43 0.77 0.00	28.72 0.78 0.00	34.64 0.98 0.00	35.70 0.84 0.00	36.51 0.75 0.00	37.94 0.56 0.00	38.94 0.46 0.00	41.33 0.53 0.00	45.98 0.81 0.00	51.53 1.11 0.00	56.45 1.32 0.00	55.15 1.45 0.00	52.66 1.33 0.00	43.35 1.18 0.00	40.73 1.07 0.00	36.86 0.90 0.00	34.62 0.94 0.00
BOC_GAS_DRP 24189	31.34 0.85 0.00	28.39 0.77 0.00	26.55 0.70 0.00	25.97 0.68 0.00	25.37 0.67 0.00	25.04 0.63 0.00	25.78 0.68 0.00	26.30 0.64 0.00	28.69 0.75 0.00	34.61 0.94 0.00	35.73 0.87 0.00	36.58 0.82 0.00	38.17 0.79 0.00	39.17 0.69 0.00	41.57 0.78 0.00	46.16 0.99 0.00	51.63 1.21 0.00	56.45 1.32 0.00	54.94 1.24 0.00	52.40 1.08 0.00	43.01 0.84 0.00	40.45 0.79 0.00	36.68 0.72 0.00	34.45 0.77 0.00
BOONVILLE_115KV_TB1 79983	30.49 0.43 0.42	27.80 0.33 0.15	26.14 0.28 0.00	25.56 0.28 0.00	24.95 0.25 0.00	24.67 0.27 0.00	25.42 0.33 0.00	25.94 0.28 0.00	28.03 0.28 0.19	33.36 0.37 0.67	34.31 0.31 0.86	35.09 0.29 0.96	36.79 0.49 1.08	37.78 0.50 1.19	39.89 0.49 1.40	43.85 0.50 1.82	48.66 0.55 2.32	53.72 0.99 2.40	55.25 1.24 -0.32	53.29 1.54 -0.43	43.38 1.14 -0.08	40.97 1.15 -0.16	36.00 0.86 0.82	33.57 0.61 0.71
BORALEX_4TH_BRANCH 23824	32.28 1.80 0.00	29.33 1.71 0.00	27.41 1.55 0.00	26.80 1.52 0.00	26.18 1.48 0.00	25.82 1.42 0.00	26.55 1.46 0.00	26.97 1.31 0.00	29.44 1.51 0.00	35.52 1.85 0.00	36.53 1.67 0.00	37.30 1.54 0.00	39.03 1.64 0.00	40.02 1.54 0.00	42.51 1.71 0.00	47.15 1.99 0.00	52.94 2.52 0.00	57.88 2.76 0.00	56.39 2.69 0.00	53.68 2.36 0.00	44.23 2.07 0.00	41.57 1.90 0.00	37.54 1.58 0.00	35.43 1.75 0.00
BOWLINE___1 23526	32.56 2.07 0.00	29.44 1.82 0.00	27.53 1.68 0.00	26.88 1.59 0.00	26.21 1.51 0.00	25.87 1.46 0.00	26.68 1.58 0.00	27.43 1.77 0.00	30.06 2.12 0.00	36.32 2.66 0.00	37.47 2.62 0.00	38.33 2.58 0.00	40.19 2.81 0.00	41.21 2.73 0.00	43.78 2.98 0.00	48.69 3.53 0.00	54.40 3.98 0.00	59.37 4.25 0.00	57.51 3.81 0.00	54.56 3.24 0.00	44.57 2.40 0.00	42.00 2.34 0.00	38.22 2.27 0.00	35.93 2.26 0.00
BOWLINE___2 23595	32.56 2.07 0.00	29.44 1.82 0.00	27.53 1.68 0.00	26.88 1.59 0.00	26.21 1.51 0.00	25.87 1.46 0.00	26.68 1.58 0.00	27.43 1.77 0.00	30.06 2.12 0.00	36.32 2.66 0.00	37.47 2.62 0.00	38.33 2.58 0.00	40.19 2.81 0.00	41.21 2.73 0.00	43.78 2.98 0.00	48.69 3.53 0.00	54.40 3.98 0.00	59.37 4.25 0.00	57.51 3.81 0.00	54.56 3.24 0.00	44.57 2.40 0.00	42.00 2.34 0.00	38.22 2.27 0.00	35.93 2.26 0.00
BRADY___115KV_TB2 356060	25.53 -1.19 3.77	25.31 -0.97 1.34	25.36 -0.49 0.00	24.80 -0.48 0.00	24.21 -0.49 0.00	23.94 -0.46 0.00	24.72 -0.38 0.00	25.25 -0.41 0.00	25.28 -0.95 1.71	25.62 -1.28 6.76	25.70 -1.32 7.83	25.73 -1.36 8.67	25.95 -1.64 9.78	25.96 -1.69 10.83	26.14 -2.00 12.66	26.33 -2.35 16.48	26.71 -2.67 21.03	26.97 -2.98 25.18	51.28 -2.42 0.00	49.68 -1.64 0.00	41.24 -0.93 0.00	38.43 -1.23 0.00	27.26 -1.22 7.48	25.72 -1.25 6.71
BRANSCOMB___SOLAR 323811	32.31 1.83 0.00	29.33 1.71 0.00	27.41 1.55 0.00	26.75 1.47 0.00	26.14 1.43 0.00	25.77 1.37 0.00	26.45 1.35 0.00	26.92 1.26 0.00	29.39 1.45 0.00	35.55 1.88 0.00	36.50 1.64 0.00	37.40 1.65 0.00	39.18 1.79 0.00	40.17 1.69 0.00	42.59 1.79 0.00	47.38 2.21 0.00	53.09 2.67 0.00	58.10 2.97 0.00	57.14 3.44 0.00	54.51 3.18 0.00	44.95 2.78 0.00	42.24 2.58 0.00	38.01 2.05 0.00	35.70 2.02 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	40.15 3.20 -6.46	39.21 2.95 -8.64	38.34 2.69 -9.79	36.74 2.55 -8.90	35.54 2.45 -8.39	36.56 2.42 -9.74	36.43 2.59 -8.75	37.20 2.77 -8.77	38.72 3.27 -7.51	39.39 3.94 -1.79	40.06 3.66 -1.54	58.46 3.54 -19.16	58.23 3.66 -17.18	60.39 3.31 -18.60	62.91 3.47 -18.64	69.35 4.20 -19.99	94.86 4.79 -39.65	125.68 5.13 -65.42	76.42 4.51 -18.21	72.43 3.80 -17.30	63.70 3.04 -18.49	61.89 3.05 -19.17	39.34 3.38 0.00	36.91 3.23 0.00



BRISTLHL_115KV_TB1 79998	30.08 -0.30 0.10	27.22 -0.36 0.04	25.47 -0.39 0.00	24.91 -0.38 0.00	24.36 -0.35 0.00	24.06 -0.34 0.00	24.65 -0.45 0.00	25.25 -0.41 0.00	27.47 -0.42 0.04	33.61 -0.47 -0.41	34.27 -0.38 0.21	35.21 -0.32 0.23	36.94 -0.19 0.26	38.12 -0.08 0.28	40.38 -0.08 0.33	44.51 -0.23 0.43	49.56 -0.30 0.55	57.20 -0.22 -2.30	55.92 -0.27 -2.49	54.53 -0.15 -3.36	42.53 -0.25 -0.61	40.86 -0.08 -1.27	35.66 -0.11 0.19	33.52 -0.17 -0.01
BROOKHAVEN___DRP 24191	40.37 3.26 -6.63	39.22 2.95 -8.65	38.31 2.66 -9.79	36.69 2.50 -8.90	35.52 2.42 -8.39	36.51 2.37 -9.74	36.40 2.56 -8.75	37.18 2.75 -8.77	38.72 3.27 -7.51	39.54 4.04 -1.83	45.90 3.76 -7.28	130.24 3.90 -90.59	122.60 4.00 -81.22	130.21 3.81 -87.93	132.97 4.04 -88.13	144.43 4.79 -94.48	243.28 5.45 -187.41	370.23 5.84 -309.26	144.99 5.21 -86.08	137.59 4.47 -81.80	133.17 3.58 -87.42	133.86 3.57 -90.63	39.42 3.45 -0.01	36.99 3.30 -0.01
BROOKLYN_NAVY_YARD 23515	32.95 2.47 0.00	29.74 2.13 0.00	27.82 1.96 0.00	27.16 1.87 0.00	26.46 1.75 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.79 2.13 0.00	30.50 2.57 0.00	36.83 3.16 0.00	38.06 3.20 0.00	38.87 3.11 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.31 3.51 0.00	49.23 4.07 0.00	54.96 4.54 0.00	59.98 4.85 0.00	58.16 4.45 0.00	55.12 3.80 0.00	45.04 2.87 0.00	42.48 2.82 0.00	38.73 2.77 0.00	36.40 2.73 0.00
BROOKLYN___ARMY_DRP 323595	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
BROOKVLE_69_KV_TB1 55790	40.10 3.20 -6.42	39.02 2.76 -8.64	38.16 2.51 -9.79	36.59 2.40 -8.90	35.39 2.30 -8.39	36.39 2.25 -9.74	36.28 2.43 -8.75	37.02 2.59 -8.77	38.52 3.07 -7.51	39.31 3.87 -1.78	38.69 3.83 0.00	39.76 4.00 0.00	41.57 4.19 0.00	42.56 4.08 0.00	44.88 4.08 0.00	49.95 4.79 0.00	55.81 5.39 0.00	60.86 5.73 0.00	58.80 5.10 0.00	55.63 4.31 0.00	45.67 3.50 0.00	43.35 3.69 0.00	39.44 3.49 0.00	36.98 3.30 0.00
BROOME_2_LFGE 323671	31.12 0.64 0.00	28.08 0.47 0.00	26.29 0.44 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.75 0.34 0.00	25.40 0.30 0.00	26.20 0.54 0.00	28.44 0.50 0.00	34.38 0.61 -0.11	35.76 0.90 0.00	36.83 1.07 0.00	38.80 1.42 0.00	40.13 1.65 0.00	42.64 1.84 0.00	47.06 1.90 0.00	52.38 1.96 0.00	57.94 2.21 -0.61	56.09 1.88 -0.51	53.81 1.80 -0.69	43.60 1.31 -0.13	41.31 1.39 -0.26	37.07 1.12 0.00	34.66 0.94 -0.04
BROOME___LFGE 323600	31.12 0.64 0.00	28.08 0.47 0.00	26.29 0.44 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.75 0.34 0.00	25.40 0.30 0.00	26.20 0.54 0.00	28.44 0.50 0.00	34.38 0.61 -0.11	35.76 0.90 0.00	36.83 1.07 0.00	38.80 1.42 0.00	40.13 1.65 0.00	42.64 1.84 0.00	47.06 1.90 0.00	52.38 1.96 0.00	57.94 2.21 -0.61	56.09 1.88 -0.51	53.81 1.80 -0.69	43.60 1.31 -0.13	41.31 1.39 -0.26	37.07 1.12 0.00	34.66 0.94 -0.04
BROWNFLS_115KV_TB_3_5 80003	26.87 -1.65 1.97	25.48 -1.44 0.70	24.72 -1.14 0.00	24.17 -1.11 0.00	23.59 -1.11 0.00	23.33 -1.07 0.00	24.09 -1.00 0.00	24.58 -1.08 0.00	25.57 -1.48 0.89	28.39 -1.85 3.42	28.79 -1.99 4.08	29.20 -2.04 4.52	30.08 -2.21 5.10	30.60 -2.23 5.65	31.63 -2.57 6.60	33.59 -2.98 8.59	36.18 -3.28 10.97	39.18 -3.36 12.58	51.37 -2.79 -0.46	49.89 -2.05 -0.62	40.81 -1.48 -0.11	38.35 -1.55 -0.24	30.48 -1.58 3.90	28.56 -1.65 3.47
BROWNSV1_27_KV_LOAD 356125	33.29 2.80 0.00	30.02 2.40 0.00	28.03 2.17 0.00	27.41 2.12 0.00	26.70 2.00 0.00	26.33 1.93 0.00	27.26 2.16 0.00	27.99 2.33 0.00	30.76 2.82 0.00	37.17 3.50 0.00	38.45 3.59 0.00	39.33 3.58 0.00	41.16 3.78 0.00	42.13 3.66 0.00	44.72 3.92 0.00	49.77 4.61 0.00	55.56 5.14 0.00	60.64 5.51 0.00	58.80 5.10 0.00	55.69 4.36 0.00	45.58 3.42 0.00	42.95 3.29 0.00	39.26 3.31 0.00	36.81 3.13 0.00
BURROWS___LYONSDAL 23803	30.12 0.18 0.55	27.53 0.11 0.19	25.96 0.10 0.00	25.36 0.08 0.00	24.78 0.07 0.00	24.48 0.07 0.00	25.25 0.15 0.00	25.76 0.10 0.00	27.74 0.06 0.25	32.84 0.07 0.90	33.72 0.00 1.14	34.46 -0.04 1.26	36.07 0.11 1.42	37.05 0.15 1.58	39.04 0.08 1.84	42.77 0.00 2.40	47.41 0.05 3.06	52.36 0.44 3.21	54.84 0.75 -0.39	52.97 1.13 -0.52	43.11 0.84 -0.09	40.73 0.87 -0.20	35.48 0.61 1.08	33.07 0.34 0.94
CAITHNESS_CC_1 323624	40.31 3.20 -6.63	39.17 2.90 -8.65	38.34 2.69 -9.79	36.69 2.50 -8.90	35.49 2.40 -8.39	36.49 2.34 -9.74	36.35 2.51 -8.75	37.18 2.75 -8.77	38.69 3.24 -7.51	39.47 3.97 -1.83	45.75 3.66 -7.23	129.50 3.68 -90.06	122.05 3.92 -80.74	129.62 3.73 -87.41	132.33 3.92 -87.61	143.65 4.56 -93.93	241.92 5.19 -186.31	368.03 5.46 -307.44	144.16 4.89 -85.57	136.80 4.16 -81.32	132.40 3.33 -86.91	132.97 3.21 -90.10	39.20 3.24 -0.01	36.82 3.13 -0.01
CALPINE BETH_PAGE_GT4 24209	39.80 2.90 -6.42	38.77 2.51 -8.64	37.92 2.28 -9.79	36.38 2.20 -8.90	35.22 2.12 -8.39	36.20 2.05 -9.74	36.08 2.23 -8.75	36.84 2.41 -8.77	38.30 2.85 -7.51	38.98 3.53 -1.78	38.31 3.35 -0.11	40.60 3.50 -1.34	42.21 3.63 -1.20	43.08 3.31 -1.30	45.53 3.43 -1.30	50.62 4.06 -1.39	57.77 4.59 -2.76	64.54 4.85 -4.56	59.27 4.30 -1.27	56.12 3.59 -1.21	46.41 2.95 -1.29	43.97 2.97 -1.34	38.98 3.02 0.00	36.57 2.90 0.00
CALPINE_BETH_PAGE_GT_4 323586	39.80 2.90 -6.42	38.77 2.51 -8.64	38.00 2.35 -9.79	36.38 2.20 -8.90	35.22 2.12 -8.39	36.20 2.05 -9.74	36.08 2.23 -8.75	36.87 2.44 -8.77	38.30 2.85 -7.51	38.98 3.53 -1.78	38.31 3.35 -0.11	40.49 3.40 -1.34	42.21 3.63 -1.20	43.08 3.31 -1.30	45.56 3.47 -1.30	50.58 4.02 -1.39	57.72 4.54 -2.76	64.48 4.79 -4.56	59.16 4.19 -1.27	56.02 3.49 -1.21	46.28 2.83 -1.29	43.77 2.78 -1.34	38.83 2.88 0.00	36.51 2.83 0.00
CALPINE_BP_GT1 23823	39.80 2.90 -6.42	38.77 2.51 -8.64	38.00 2.35 -9.79	36.38 2.20 -8.90	35.22 2.12 -8.39	36.20 2.05 -9.74	36.08 2.23 -8.75	36.87 2.44 -8.77	38.30 2.85 -7.51	38.98 3.53 -1.78	38.31 3.35 -0.11	40.49 3.40 -1.34	42.21 3.63 -1.20	43.08 3.31 -1.30	45.56 3.47 -1.30	50.58 4.02 -1.39	57.72 4.54 -2.76	64.48 4.79 -4.56	59.16 4.19 -1.27	56.02 3.49 -1.21	46.28 2.83 -1.29	43.77 2.78 -1.34	38.83 2.88 0.00	36.51 2.83 0.00
CALSPAN___DRP 24200	30.91 0.43 0.00	27.78 0.17 0.00	25.91 0.05 0.00	25.21 -0.08 0.00	24.65 -0.05 0.00	24.38 -0.02 0.00	24.75 -0.35 0.00	25.27 -0.38 0.00	27.66 -0.28 0.00	33.19 -0.47 0.00	35.52 0.66 0.00	36.87 1.11 0.00	39.18 1.79 0.00	41.05 2.58 0.00	43.94 3.14 0.00	47.79 2.62 0.00	52.64 2.22 0.00	57.61 2.48 0.00	55.53 1.83 0.00	52.81 1.49 0.00	42.93 0.76 0.00	41.13 1.47 0.00	37.14 1.19 0.00	34.62 0.94 0.00



CALVERTON___SOLAR 323806	40.47 3.35 -6.63	39.31 3.04 -8.65	38.44 2.79 -9.79	36.74 2.55 -8.90	35.57 2.47 -8.39	36.56 2.42 -9.74	36.45 2.61 -8.75	37.25 2.82 -8.77	38.80 3.35 -7.51	39.67 4.17 -1.83	46.09 3.94 -7.29	130.54 3.97 -90.81	123.02 4.22 -81.42	130.66 4.04 -88.14	133.39 4.24 -88.35	144.85 4.97 -94.71	243.99 5.70 -187.87	371.05 5.90 -310.02	145.42 5.42 -86.29	137.95 4.62 -82.00	133.51 3.71 -87.64	134.09 3.57 -90.86	39.45 3.49 -0.01	37.05 3.37 -0.01
CANDIGU_WT_PWR 323617	31.15 0.67 0.00	28.06 0.44 0.00	26.27 0.41 0.00	25.51 0.23 0.00	24.95 0.25 0.00	24.65 0.24 0.00	25.30 0.20 0.00	26.22 0.56 0.00	28.22 0.28 0.00	33.96 0.24 -0.06	35.90 1.04 0.00	37.12 1.36 0.00	39.36 1.98 0.00	40.86 2.39 0.00	43.58 2.78 0.00	47.74 2.57 0.00	52.94 2.52 0.00	58.27 2.81 -0.34	56.29 2.31 -0.28	53.86 2.16 -0.38	43.88 1.64 -0.07	41.63 1.83 -0.15	37.50 1.55 0.00	34.91 1.21 -0.02
CARR STREET_E_SYR 24060	30.37 -0.03 0.08	27.48 -0.11 0.03	25.73 -0.13 0.00	25.11 -0.18 0.00	24.56 -0.15 0.00	24.26 -0.15 0.00	24.87 -0.23 0.00	25.58 -0.08 0.00	27.76 -0.14 0.04	33.55 -0.13 -0.02	34.59 -0.10 0.16	35.58 0.00 0.18	37.37 0.19 0.20	38.60 0.35 0.23	40.94 0.41 0.26	45.18 0.36 0.34	50.29 0.30 0.44	55.88 0.39 -0.36	54.72 0.27 -0.75	52.59 0.26 -1.01	42.48 0.13 -0.18	40.24 0.20 -0.38	35.87 0.07 0.16	33.59 0.00 0.08
CARTHAGE___PAPER 23857	28.68 -0.91 0.89	26.41 -0.88 0.32	24.98 -0.88 0.00	24.50 -0.78 0.00	23.94 -0.77 0.00	23.67 -0.73 0.00	24.42 -0.68 0.00	24.79 -0.87 0.00	26.50 -1.03 0.40	31.01 -1.28 1.38	31.57 -1.43 1.85	32.17 -1.54 2.05	33.50 -1.57 2.32	34.33 -1.58 2.56	35.97 -1.84 3.00	39.14 -2.12 3.90	43.17 -2.27 4.98	48.37 -1.93 4.83	53.42 -1.23 -0.95	52.20 -0.41 -1.29	42.06 -0.34 -0.23	39.91 -0.24 -0.49	33.72 -0.47 1.77	31.42 -0.74 1.51
CASSADAGA_WT_PWR 323784	31.89 1.40 0.00	28.61 0.99 0.00	26.81 0.96 0.00	25.97 0.68 0.00	25.39 0.69 0.00	25.14 0.73 0.00	25.80 0.70 0.00	26.86 1.21 0.00	28.75 0.81 0.00	34.57 0.91 0.00	37.16 2.30 0.00	38.55 2.79 0.00	41.09 3.70 0.00	43.02 4.54 0.00	46.14 5.34 0.00	50.22 5.06 0.00	55.51 5.09 0.00	60.59 5.46 0.00	58.37 4.67 0.00	55.43 4.11 0.00	45.24 3.08 0.00	42.99 3.33 0.00	38.65 2.70 0.00	35.93 2.26 0.00
CE_DUNWOOD___DRP 24194	32.77 2.29 0.00	29.60 1.99 0.00	27.66 1.81 0.00	27.03 1.74 0.00	26.38 1.68 0.00	26.02 1.61 0.00	26.88 1.78 0.00	27.58 1.92 0.00	30.25 2.32 0.00	36.56 2.90 0.00	37.75 2.89 0.00	38.62 2.86 0.00	40.41 3.03 0.00	41.40 2.92 0.00	43.98 3.18 0.00	48.96 3.79 0.00	54.71 4.29 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.92 3.59 0.00	44.95 2.78 0.00	42.32 2.66 0.00	38.58 2.62 0.00	36.20 2.53 0.00
CE_MILLWOOD___DRP 24193	32.71 2.23 0.00	29.55 1.93 0.00	27.61 1.76 0.00	26.98 1.69 0.00	26.33 1.63 0.00	25.97 1.56 0.00	26.83 1.73 0.00	27.53 1.87 0.00	30.17 2.23 0.00	36.46 2.79 0.00	37.65 2.79 0.00	38.55 2.79 0.00	40.30 2.92 0.00	41.32 2.85 0.00	43.86 3.06 0.00	48.82 3.66 0.00	54.55 4.13 0.00	59.59 4.47 0.00	57.78 4.08 0.00	54.81 3.49 0.00	44.87 2.70 0.00	42.24 2.58 0.00	38.51 2.55 0.00	36.10 2.42 0.00
CE_NYC2_DRP 24202	33.07 2.59 0.00	29.85 2.24 0.00	27.85 1.99 0.00	27.23 1.95 0.00	26.53 1.83 0.00	26.14 1.73 0.00	27.03 1.93 0.00	27.74 2.08 0.00	30.48 2.54 0.00	36.86 3.20 0.00	38.10 3.24 0.00	38.94 3.18 0.00	40.71 3.33 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.05 3.88 0.00	54.66 4.24 0.00	59.70 4.58 0.00	57.84 4.13 0.00	54.81 3.49 0.01	44.99 2.83 0.00	42.44 2.78 0.00	38.87 2.91 0.00	36.54 2.86 0.00
CE_NYC_DRP 24195	33.01 2.53 0.00	29.77 2.15 0.00	27.79 1.94 0.00	27.18 1.90 0.00	26.51 1.80 0.00	26.14 1.73 0.00	27.03 1.93 0.00	27.79 2.13 0.00	30.51 2.57 0.00	36.86 3.20 0.00	38.07 3.21 0.00	38.98 3.22 0.00	40.79 3.40 0.00	41.71 3.23 0.00	44.27 3.47 0.00	49.28 4.11 0.00	55.01 4.59 0.00	59.98 4.85 0.00	58.16 4.46 0.00	55.12 3.80 0.00	45.16 2.99 0.00	42.56 2.90 0.00	38.91 2.95 0.00	36.47 2.80 0.00
CHAFFEE___LFGE 323603	30.97 0.49 0.00	27.84 0.22 0.00	26.06 0.21 0.00	25.23 -0.05 0.00	24.70 0.00 0.00	24.41 0.00 0.00	25.05 -0.05 0.00	25.97 0.31 0.00	27.74 -0.19 0.00	33.29 -0.37 0.00	35.80 0.94 0.00	37.15 1.39 0.00	39.59 2.21 0.00	41.40 2.92 0.00	44.35 3.55 0.00	48.24 3.07 0.00	53.29 2.87 0.00	58.21 3.09 0.00	56.06 2.36 0.00	53.32 2.00 0.00	43.68 1.52 0.00	41.53 1.86 0.00	37.40 1.44 0.00	34.82 1.15 0.00
CHATEAUG_35_KV_LOAD 355732	29.53 -0.52 0.44	27.07 -0.39 0.16	25.67 -0.18 0.00	25.11 -0.18 0.00	24.53 -0.17 0.00	24.31 -0.10 0.00	25.10 0.00 0.00	25.66 0.00 0.00	27.57 -0.17 0.20	32.61 -0.27 0.78	33.71 -0.24 0.91	34.54 -0.21 1.01	35.76 -0.49 1.13	36.80 -0.42 1.26	38.60 -0.73 1.47	41.76 -1.49 1.91	46.27 -1.71 2.44	49.89 -2.32 2.92	51.87 -1.83 0.00	50.09 -1.23 0.00	41.96 -0.21 0.00	38.79 -0.87 0.00	34.06 -1.01 0.89	31.73 -1.15 0.80
CHATEAUG_WT_PWR 323614	30.34 0.09 0.24	27.70 0.17 0.08	26.01 0.16 0.00	25.61 0.33 0.00	25.05 0.35 0.00	24.87 0.46 0.00	25.68 0.58 0.00	26.07 0.41 0.00	28.36 0.53 0.11	33.88 0.64 0.42	35.10 0.73 0.49	36.00 0.79 0.54	36.47 -0.30 0.61	37.57 -0.23 0.68	39.44 -0.57 0.79	43.14 -0.99 1.03	47.08 -2.02 1.32	51.51 -2.04 1.58	52.14 -1.56 0.00	50.45 -0.87 0.00	42.71 0.55 0.00	39.27 -0.40 0.00	35.72 0.25 0.49	33.06 -0.17 0.44
CHAT_HIGH_FALL_HYD 323578	29.53 -0.52 0.44	27.07 -0.39 0.16	25.67 -0.18 0.00	25.11 -0.18 0.00	24.53 -0.17 0.00	24.31 -0.10 0.00	25.10 0.00 0.00	25.66 0.00 0.00	27.57 -0.17 0.20	32.61 -0.27 0.78	33.71 -0.24 0.91	34.54 -0.21 1.01	35.76 -0.49 1.13	36.80 -0.42 1.26	38.60 -0.73 1.47	41.76 -1.49 1.91	46.27 -1.71 2.44	49.89 -2.32 2.92	51.87 -1.83 0.00	50.09 -1.23 0.00	41.96 -0.21 0.00	38.79 -0.87 0.00	34.06 -1.01 0.89	31.73 -1.15 0.80
CHAUTAUQUA___LFGE 323629	31.46 0.98 0.00	28.28 0.66 0.00	26.50 0.65 0.00	25.66 0.38 0.00	25.12 0.42 0.00	24.82 0.41 0.00	25.48 0.38 0.00	26.50 0.85 0.00	28.36 0.42 0.00	34.04 0.37 0.00	36.57 1.71 0.00	37.90 2.15 0.00	40.38 2.99 0.00	42.25 3.77 0.00	45.25 4.45 0.00	49.28 4.11 0.00	54.46 4.04 0.00	59.43 4.30 0.00	57.24 3.54 0.00	54.40 3.08 0.00	44.53 2.36 0.00	42.28 2.62 0.00	38.08 2.12 0.00	35.39 1.72 0.00
CHERRYST_13_KV_LD 356241	33.11 2.62 0.00	29.88 2.26 0.00	27.90 2.04 0.00	27.28 2.00 0.00	26.58 1.88 0.00	26.24 1.83 0.00	27.13 2.03 0.00	27.89 2.23 0.00	30.62 2.68 0.00	37.00 3.33 0.00	38.24 3.38 0.00	39.12 3.36 0.00	40.94 3.55 0.00	41.90 3.42 0.00	44.47 3.67 0.00	49.50 4.34 0.00	55.21 4.79 0.00	60.25 5.13 0.00	58.43 4.73 0.00	55.38 4.05 0.00	45.33 3.16 0.00	42.72 3.05 0.00	39.05 3.09 0.00	36.61 2.93 0.00



CHESTROR_138KV_BK263 355645	32.31 1.83 0.00	29.22 1.60 0.00	27.28 1.42 0.00	26.68 1.39 0.00	26.04 1.33 0.00	25.68 1.27 0.00	26.50 1.41 0.00	27.15 1.49 0.00	29.72 1.79 0.00	35.92 2.26 0.00	37.09 2.23 0.00	37.94 2.18 0.00	39.70 2.32 0.00	40.75 2.27 0.00	43.29 2.49 0.00	48.19 3.03 0.00	53.90 3.48 0.00	58.88 3.75 0.00	57.08 3.38 0.00	54.30 2.98 0.00	44.40 2.23 0.00	41.80 2.14 0.00	38.04 2.09 0.00	35.66 1.99 0.00
CH_MIDHUDSON___DRP 24192	32.59 2.10 0.00	29.49 1.88 0.00	27.56 1.71 0.00	26.93 1.64 0.00	26.28 1.58 0.00	25.92 1.51 0.00	26.76 1.66 0.00	27.35 1.69 0.00	29.95 2.01 0.00	36.19 2.52 0.00	37.37 2.51 0.00	38.23 2.47 0.00	40.00 2.62 0.00	41.02 2.54 0.00	43.61 2.82 0.00	48.55 3.39 0.00	54.40 3.98 0.00	59.43 4.30 0.00	57.62 3.92 0.00	54.76 3.44 0.00	44.78 2.61 0.00	42.16 2.50 0.00	38.33 2.37 0.00	36.00 2.32 0.00
CH_MISC_IPPS 23765	32.83 2.35 0.00	29.69 2.07 0.00	27.77 1.91 0.00	27.08 1.80 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.88 1.78 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.43 2.76 0.00	37.58 2.72 0.00	38.44 2.68 0.00	40.34 2.95 0.00	41.40 2.92 0.00	44.02 3.22 0.00	49.00 3.84 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.21 4.51 0.00	55.33 4.01 0.00	45.08 2.91 0.00	42.44 2.78 0.00	38.55 2.59 0.00	36.23 2.56 0.00
CH_RES_BVR_FALLS 23983	29.98 -0.64 -0.14	27.11 -0.55 -0.05	25.36 -0.49 0.00	24.88 -0.41 0.00	24.31 -0.40 0.00	24.01 -0.39 0.00	24.75 -0.35 0.00	25.22 -0.44 0.00	27.53 -0.48 -0.06	33.31 -0.60 -0.25	34.53 -0.63 -0.29	35.44 -0.64 -0.33	36.89 -0.86 -0.37	38.00 -0.88 -0.41	40.26 -1.02 -0.48	44.61 -1.17 -0.62	49.85 -1.36 -0.79	54.59 -1.49 -0.95	52.41 -1.29 0.00	50.65 -0.67 0.00	41.71 -0.46 0.00	39.11 -0.56 0.00	35.68 -0.47 -0.19	33.34 -0.50 -0.17
CH_RES_NIAGARA 23895	29.69 -0.79 0.00	26.73 -0.88 0.00	24.92 -0.93 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	23.79 -1.31 0.00	24.14 -1.51 0.00	26.46 -1.48 0.00	31.64 -2.02 0.00	33.95 -0.91 0.00	35.22 -0.54 0.00	37.46 0.07 0.00	39.21 0.73 0.00	41.86 1.06 0.00	45.44 0.27 0.00	49.97 -0.45 0.00	54.69 -0.44 0.00	52.68 -1.02 0.00	50.14 -1.18 0.00	40.95 -1.22 0.00	39.30 -0.36 0.00	35.56 -0.40 0.00	33.17 -0.51 0.00
CH_RES_SYRACUSE 23985	30.60 0.18 0.07	27.67 0.08 0.02	25.91 0.05 0.00	25.28 0.00 0.00	24.73 0.02 0.00	24.43 0.02 0.00	25.05 -0.05 0.00	25.76 0.10 0.00	27.96 0.06 0.03	33.93 0.10 -0.16	34.96 0.25 0.14	35.96 0.36 0.16	37.77 0.56 0.18	39.01 0.73 0.20	41.39 0.82 0.23	45.68 0.81 0.30	50.84 0.80 0.38	57.19 0.88 -1.18	55.83 0.75 -1.37	53.95 0.77 -1.86	43.01 0.51 -0.34	40.96 0.60 -0.70	36.25 0.43 0.14	33.99 0.34 0.02
CLINTON_WT_PWR 323605	30.34 0.09 0.24	27.70 0.17 0.08	26.01 0.16 0.00	25.61 0.33 0.00	25.05 0.35 0.00	24.87 0.46 0.00	25.68 0.58 0.00	26.07 0.41 0.00	28.36 0.53 0.11	33.88 0.64 0.42	35.10 0.73 0.49	36.00 0.79 0.54	36.47 -0.30 0.61	37.57 -0.23 0.68	39.44 -0.57 0.79	43.14 -0.99 1.03	47.08 -2.02 1.32	51.51 -2.04 1.58	52.14 -1.56 0.00	50.45 -0.87 0.00	42.71 0.55 0.00	39.27 -0.40 0.00	35.72 0.25 0.49	33.06 -0.17 0.44
CLINTON___LFGE 323618	30.34 0.12 0.27	27.71 0.19 0.10	26.06 0.21 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.87 0.46 0.00	25.65 0.55 0.00	26.07 0.41 0.00	28.32 0.50 0.12	33.72 0.54 0.48	34.96 0.66 0.56	35.89 0.75 0.62	36.39 -0.30 0.70	37.51 -0.19 0.77	39.37 -0.53 0.90	43.09 -0.90 1.17	47.16 -1.77 1.50	51.46 -1.87 1.79	52.36 -1.34 0.00	50.71 -0.61 0.00	42.93 0.76 0.00	39.46 -0.20 0.00	35.76 0.36 0.56	33.14 -0.03 0.50
COBBLENY_34_KV_TB1 80064	30.97 0.49 0.00	27.84 0.22 0.00	25.93 0.08 0.00	25.23 -0.05 0.00	24.70 0.00 0.00	24.41 0.00 0.00	24.77 -0.33 0.00	25.32 -0.33 0.00	27.74 -0.20 0.00	33.29 -0.37 0.00	35.66 0.80 0.00	37.01 1.25 0.00	39.37 1.98 0.00	41.25 2.77 0.00	44.19 3.39 0.00	48.06 2.89 0.00	52.94 2.52 0.00	57.99 2.87 0.00	55.85 2.15 0.00	53.12 1.80 0.00	43.14 0.97 0.00	41.33 1.67 0.00	37.29 1.33 0.00	34.72 1.04 0.00
COFFEEN___115KV_TB3 355620	29.13 -0.61 0.74	26.72 -0.64 0.26	25.21 -0.65 0.00	24.65 -0.63 0.00	24.06 -0.64 0.00	23.82 -0.59 0.00	24.55 -0.55 0.00	24.99 -0.67 0.00	26.73 -0.87 0.34	31.53 -1.08 1.06	32.06 -1.25 1.54	32.69 -1.36 1.71	34.15 -1.31 1.93	35.11 -1.23 2.13	36.80 -1.51 2.49	40.07 -1.85 3.25	44.36 -1.92 4.14	50.18 -1.38 3.57	54.27 -0.59 -1.16	53.30 0.41 -1.57	42.75 0.30 -0.29	40.69 0.44 -0.60	34.56 0.07 1.47	32.18 -0.27 1.23
COLDSPRG_115KV_BK1 355956	32.01 1.52 0.00	28.75 1.13 0.00	26.79 0.93 0.00	26.07 0.78 0.00	25.52 0.82 0.00	25.24 0.83 0.00	25.65 0.55 0.00	26.43 0.77 0.00	28.94 1.01 0.00	34.81 1.14 0.00	37.30 2.44 0.00	38.69 2.93 0.00	41.16 3.78 0.00	43.17 4.69 0.00	46.31 5.51 0.00	50.50 5.33 0.00	55.66 5.24 0.00	60.92 5.79 0.00	58.69 4.99 0.00	55.69 4.36 0.00	45.04 2.87 0.00	43.11 3.45 0.00	38.83 2.88 0.00	36.07 2.39 0.00
COLONIE_LFGE___ 323577	31.92 1.43 0.00	28.94 1.33 0.00	27.10 1.24 0.00	26.45 1.16 0.00	25.84 1.14 0.00	25.48 1.07 0.00	26.20 1.10 0.00	26.69 1.03 0.00	29.11 1.17 0.00	35.18 1.52 0.00	36.18 1.32 0.00	37.08 1.32 0.00	38.80 1.42 0.00	39.79 1.31 0.00	42.23 1.43 0.00	46.84 1.67 0.00	52.54 2.12 0.00	57.44 2.31 0.00	56.06 2.36 0.00	53.43 2.11 0.00	43.94 1.77 0.00	41.33 1.67 0.00	37.29 1.33 0.00	35.09 1.41 0.00
COOPERNY_115KV_TB1 80082	31.82 1.34 0.00	28.78 1.16 0.00	26.89 1.03 0.00	26.30 1.01 0.00	25.67 0.96 0.00	25.33 0.93 0.00	26.10 1.00 0.00	26.76 1.10 0.00	29.25 1.31 0.00	35.31 1.65 0.00	36.50 1.64 0.00	37.40 1.64 0.00	39.14 1.76 0.00	40.21 1.73 0.00	42.72 1.92 0.00	47.42 2.26 0.00	52.99 2.57 0.00	57.94 2.81 0.00	56.22 2.52 0.00	53.58 2.26 0.00	43.85 1.69 0.00	41.29 1.63 0.00	37.54 1.58 0.00	35.16 1.48 0.00
COPENHAGEN_WT_PWR 323753	29.02 -0.76 0.70	26.62 -0.74 0.25	25.08 -0.77 0.00	24.58 -0.71 0.00	23.99 -0.72 0.00	23.72 -0.68 0.00	24.45 -0.65 0.00	24.89 -0.77 0.00	26.70 -0.92 0.32	31.55 -1.14 0.97	32.15 -1.25 1.46	32.82 -1.32 1.62	34.25 -1.31 1.82	35.19 -1.27 2.02	36.93 -1.51 2.36	40.29 -1.81 3.07	44.59 -1.92 3.92	50.34 -1.54 3.24	54.01 -0.91 -1.22	52.87 -0.10 -1.65	42.38 -0.08 -0.30	40.37 0.08 -0.62	34.35 -0.21 1.39	32.02 -0.50 1.16
CORNELL_____ 23752	31.52 1.04 0.00	28.42 0.80 0.00	26.50 0.65 0.00	25.92 0.63 0.00	25.32 0.62 0.00	25.02 0.61 0.00	25.65 0.55 0.00	26.22 0.56 0.00	28.58 0.64 0.00	34.57 0.74 -0.16	35.77 0.91 0.00	36.80 1.04 0.00	38.69 1.31 0.00	40.02 1.54 0.00	42.47 1.67 0.00	46.97 1.81 0.00	52.39 1.97 0.00	58.57 2.59 -0.85	56.99 2.58 -0.72	54.96 2.67 -0.97	44.33 1.98 -0.18	42.01 1.98 -0.37	37.65 1.69 0.00	35.18 1.45 -0.05



CORONA__69_KV_TB1 355595	40.01 3.11 -6.42	38.94 2.68 -8.64	38.05 2.40 -9.79	36.54 2.35 -8.90	35.34 2.25 -8.39	36.34 2.20 -9.74	36.20 2.36 -8.75	36.95 2.51 -8.77	38.41 2.96 -7.51	39.14 3.70 -1.78	38.48 3.63 0.00	39.51 3.75 0.00	41.31 3.93 0.00	42.29 3.81 0.00	44.80 4.00 0.00	49.86 4.70 0.00	55.76 5.34 0.00	60.80 5.68 0.00	58.80 5.10 0.00	55.69 4.36 0.00	45.67 3.50 0.00	43.15 3.49 0.00	39.30 3.34 0.00	36.88 3.20 0.00
CORTLAND_115KV_TB3 80093	31.21 0.79 0.06	28.23 0.64 0.02	26.35 0.49 0.00	25.77 0.48 0.00	25.17 0.47 0.00	24.87 0.46 0.00	25.50 0.40 0.00	26.15 0.49 0.00	28.47 0.56 0.03	34.38 0.67 -0.04	35.56 0.84 0.13	36.54 0.93 0.15	38.41 1.20 0.17	39.68 1.39 0.18	42.05 1.47 0.22	46.47 1.58 0.28	51.78 1.71 0.36	57.64 2.09 -0.41	56.45 2.04 -0.71	54.39 2.10 -0.96	43.86 1.52 -0.17	41.57 1.55 -0.36	37.16 1.33 0.12	34.73 1.11 0.06
COXSACKIE___GT 23611	32.71 2.22 0.00	29.69 2.07 0.00	27.74 1.89 0.00	26.98 1.69 0.00	26.41 1.70 0.00	26.02 1.61 0.00	26.68 1.58 0.00	26.97 1.31 0.00	29.36 1.42 0.00	35.45 1.78 0.00	36.32 1.46 0.00	37.15 1.39 0.00	38.73 1.34 0.00	39.74 1.27 0.00	42.35 1.55 0.00	47.20 2.03 0.00	53.24 2.82 0.00	58.71 3.58 0.00	57.89 4.19 0.00	55.48 4.16 0.00	45.42 3.25 0.00	42.64 2.98 0.00	38.26 2.30 0.00	35.93 2.26 0.00
CPV_VALLEY___CC1 323721	32.04 1.55 0.00	28.97 1.35 0.00	27.12 1.27 0.00	26.47 1.19 0.00	25.82 1.11 0.00	25.48 1.07 0.00	26.28 1.18 0.00	26.97 1.31 0.00	29.50 1.56 0.00	35.62 1.95 0.00	36.77 1.92 0.00	37.62 1.86 0.00	39.40 2.02 0.00	40.44 1.96 0.00	42.96 2.16 0.00	47.74 2.57 0.00	53.39 2.97 0.00	58.27 3.14 0.00	56.54 2.84 0.00	53.74 2.41 0.00	43.94 1.77 0.00	41.37 1.70 0.00	37.61 1.65 0.00	35.33 1.65 0.00
CPV_VALLEY___CC2 323722	32.04 1.55 0.00	28.97 1.35 0.00	27.12 1.27 0.00	26.47 1.19 0.00	25.82 1.11 0.00	25.48 1.07 0.00	26.28 1.18 0.00	26.97 1.31 0.00	29.50 1.56 0.00	35.62 1.95 0.00	36.77 1.92 0.00	37.62 1.86 0.00	39.40 2.02 0.00	40.44 1.96 0.00	42.96 2.16 0.00	47.74 2.57 0.00	53.39 2.97 0.00	58.27 3.14 0.00	56.54 2.84 0.00	53.74 2.41 0.00	43.94 1.77 0.00	41.37 1.70 0.00	37.61 1.65 0.00	35.33 1.65 0.00
CRESCENT___HYD 24018	31.92 1.43 0.00	28.94 1.33 0.00	27.10 1.24 0.00	26.45 1.16 0.00	25.84 1.14 0.00	25.48 1.07 0.00	26.20 1.10 0.00	26.69 1.03 0.00	29.11 1.17 0.00	35.18 1.52 0.00	36.18 1.32 0.00	37.08 1.32 0.00	38.80 1.42 0.00	39.79 1.31 0.00	42.23 1.43 0.00	46.84 1.67 0.00	52.54 2.12 0.00	57.44 2.31 0.00	56.06 2.36 0.00	53.43 2.11 0.00	43.94 1.77 0.00	41.33 1.67 0.00	37.29 1.33 0.00	35.09 1.41 0.00
CRICKET___VALLEY_CC1 323756	32.25 1.77 0.00	29.22 1.60 0.00	27.38 1.53 0.00	26.73 1.44 0.00	26.09 1.38 0.00	25.72 1.32 0.00	26.50 1.40 0.00	27.07 1.41 0.00	29.61 1.68 0.00	35.75 2.09 0.00	36.81 1.95 0.00	37.65 1.89 0.00	39.40 2.02 0.00	40.40 1.92 0.00	42.92 2.12 0.00	47.60 2.44 0.00	53.34 2.92 0.00	58.27 3.14 0.00	56.54 2.84 0.00	53.74 2.41 0.00	44.02 1.85 0.00	41.45 1.79 0.00	37.58 1.62 0.00	35.43 1.75 0.00
CRICKET___VALLEY_CC2 323757	32.25 1.77 0.00	29.22 1.60 0.00	27.38 1.53 0.00	26.73 1.44 0.00	26.09 1.38 0.00	25.72 1.32 0.00	26.50 1.40 0.00	27.07 1.41 0.00	29.61 1.68 0.00	35.75 2.09 0.00	36.81 1.95 0.00	37.65 1.89 0.00	39.40 2.02 0.00	40.40 1.92 0.00	42.92 2.12 0.00	47.60 2.44 0.00	53.34 2.92 0.00	58.27 3.14 0.00	56.54 2.84 0.00	53.74 2.41 0.00	44.02 1.85 0.00	41.45 1.79 0.00	37.58 1.62 0.00	35.43 1.75 0.00
CRICKET___VALLEY_CC3 323758	32.25 1.77 0.00	29.22 1.60 0.00	27.38 1.53 0.00	26.73 1.44 0.00	26.09 1.38 0.00	25.72 1.32 0.00	26.50 1.40 0.00	27.07 1.41 0.00	29.61 1.68 0.00	35.75 2.09 0.00	36.81 1.95 0.00	37.65 1.89 0.00	39.40 2.02 0.00	40.40 1.92 0.00	42.92 2.12 0.00	47.60 2.44 0.00	53.34 2.92 0.00	58.27 3.14 0.00	56.54 2.84 0.00	53.74 2.41 0.00	44.02 1.85 0.00	41.45 1.79 0.00	37.58 1.62 0.00	35.43 1.75 0.00
CRUCIBLE_METL_DRP 24180	30.60 0.18 0.07	27.67 0.08 0.02	25.85 0.00 0.00	25.28 0.00 0.00	24.73 0.02 0.00	24.43 0.02 0.00	25.02 -0.08 0.00	25.66 0.00 0.00	27.96 0.06 0.03	33.93 0.10 -0.16	34.93 0.21 0.14	35.92 0.32 0.16	37.73 0.52 0.18	38.97 0.69 0.20	41.35 0.78 0.23	45.64 0.77 0.30	50.80 0.76 0.38	57.13 0.83 -1.18	55.77 0.70 -1.37	53.90 0.72 -1.86	42.97 0.46 -0.34	40.88 0.52 -0.70	36.25 0.43 0.14	33.99 0.34 0.02
DAHOWA___HYDRO 323763	32.44 1.95 0.00	29.44 1.82 0.00	27.51 1.66 0.00	26.83 1.54 0.00	26.21 1.51 0.00	25.85 1.44 0.00	26.53 1.43 0.00	27.02 1.36 0.00	29.47 1.54 0.00	35.68 2.02 0.00	36.60 1.74 0.00	37.51 1.75 0.00	39.33 1.94 0.00	40.29 1.81 0.00	42.76 1.96 0.00	47.56 2.39 0.00	53.24 2.82 0.00	58.38 3.25 0.00	57.46 3.76 0.00	54.82 3.49 0.00	45.24 3.08 0.00	42.48 2.82 0.00	38.19 2.23 0.00	35.83 2.16 0.00
DANC___LFGE 323619	29.42 -0.58 0.48	26.84 -0.61 0.17	25.23 -0.62 0.00	24.70 -0.58 0.00	24.14 -0.57 0.00	23.85 -0.56 0.00	24.52 -0.58 0.00	25.07 -0.59 0.00	26.99 -0.73 0.22	32.28 -0.88 0.50	32.92 -0.94 1.00	33.72 -0.93 1.11	35.23 -0.90 1.25	36.28 -0.81 1.38	38.20 -0.98 1.62	41.79 -1.26 2.11	46.37 -1.36 2.69	52.62 -1.10 1.40	54.53 -0.70 -1.53	53.18 -0.20 -2.06	42.33 -0.21 -0.38	40.44 0.00 -0.78	34.83 -0.18 0.95	32.57 -0.37 0.74
DANSKAMMER___1 23586	32.83 2.35 0.00	29.69 2.07 0.00	27.77 1.91 0.00	27.08 1.80 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.88 1.78 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.43 2.76 0.00	37.58 2.72 0.00	38.44 2.68 0.00	40.34 2.95 0.00	41.40 2.92 0.00	44.02 3.22 0.00	49.00 3.84 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.21 4.51 0.00	55.33 4.01 0.00	45.08 2.91 0.00	42.44 2.78 0.00	38.55 2.59 0.00	36.23 2.56 0.00
DANSKAMMER___2 23589	32.83 2.35 0.00	29.69 2.07 0.00	27.77 1.91 0.00	27.08 1.80 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.88 1.78 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.43 2.76 0.00	37.58 2.72 0.00	38.44 2.68 0.00	40.34 2.95 0.00	41.40 2.92 0.00	44.02 3.22 0.00	49.00 3.84 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.21 4.51 0.00	55.33 4.01 0.00	45.08 2.91 0.00	42.44 2.78 0.00	38.55 2.59 0.00	36.23 2.56 0.00
DANSKAMMER___3 23590	32.83 2.35 0.00	29.69 2.07 0.00	27.77 1.91 0.00	27.08 1.80 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.88 1.78 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.43 2.76 0.00	37.58 2.72 0.00	38.44 2.68 0.00	40.34 2.95 0.00	41.40 2.92 0.00	44.02 3.22 0.00	49.00 3.84 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.21 4.51 0.00	55.33 4.01 0.00	45.08 2.91 0.00	42.44 2.78 0.00	38.55 2.59 0.00	36.23 2.56 0.00



DANSKAMMER___4 23591	32.83 2.35 0.00	29.69 2.07 0.00	27.77 1.91 0.00	27.08 1.80 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.88 1.78 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.43 2.76 0.00	37.58 2.72 0.00	38.44 2.68 0.00	40.34 2.95 0.00	41.40 2.92 0.00	44.02 3.22 0.00	49.00 3.84 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.21 4.51 0.00	55.33 4.01 0.00	45.08 2.91 0.00	42.44 2.78 0.00	38.55 2.59 0.00	36.23 2.56 0.00
DANSKAMMER___DIESEL 23592	32.83 2.35 0.00	29.69 2.07 0.00	27.72 1.86 0.00	27.08 1.80 0.00	26.43 1.73 0.00	26.07 1.66 0.00	26.91 1.81 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.42 2.76 0.00	37.61 2.75 0.00	38.48 2.72 0.00	40.30 2.92 0.00	41.36 2.89 0.00	44.02 3.22 0.00	49.05 3.88 0.00	54.96 4.54 0.00	60.03 4.91 0.00	58.26 4.56 0.00	55.33 4.00 0.00	45.16 2.99 0.00	42.52 2.86 0.00	38.69 2.73 0.00	36.27 2.59 0.00
DARBY___SOLAR 323810	32.31 1.83 0.00	29.33 1.71 0.00	27.41 1.55 0.00	26.75 1.47 0.00	26.14 1.43 0.00	25.77 1.37 0.00	26.48 1.38 0.00	26.97 1.31 0.00	29.42 1.48 0.00	35.62 1.95 0.00	36.57 1.71 0.00	37.47 1.72 0.00	39.25 1.87 0.00	40.25 1.77 0.00	42.68 1.88 0.00	47.47 2.30 0.00	53.19 2.77 0.00	58.21 3.09 0.00	57.24 3.54 0.00	54.61 3.29 0.00	44.99 2.83 0.00	42.24 2.58 0.00	38.01 2.05 0.00	35.70 2.02 0.00
DASHVILLE___HYD 23610	32.43 1.95 0.00	29.33 1.71 0.00	27.41 1.55 0.00	26.78 1.49 0.00	26.14 1.43 0.00	25.75 1.34 0.00	26.55 1.46 0.00	27.12 1.46 0.00	29.70 1.76 0.00	35.92 2.26 0.00	37.05 2.20 0.00	37.90 2.15 0.00	39.70 2.32 0.00	40.75 2.27 0.00	43.33 2.53 0.00	48.28 3.12 0.00	54.10 3.68 0.00	59.10 3.97 0.00	57.24 3.54 0.00	54.40 3.08 0.00	44.36 2.19 0.00	41.84 2.18 0.00	38.15 2.19 0.00	35.83 2.16 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	41.17 4.05 -6.63	39.86 3.59 -8.65	38.88 3.23 -9.79	37.22 3.03 -8.90	36.06 2.96 -8.39	37.07 2.93 -9.74	36.98 3.14 -8.75	37.79 3.36 -8.77	39.50 4.05 -7.51	40.68 5.18 -1.83	47.44 5.26 -7.32	132.31 5.44 -91.12	124.64 5.57 -81.69	132.30 5.39 -88.44	135.15 5.71 -88.64	146.93 6.73 -95.03	246.64 7.71 -188.50	374.46 8.27 -311.06	147.75 7.46 -86.58	140.07 6.47 -82.28	135.28 5.19 -87.93	135.94 5.12 -91.16	40.68 4.71 -0.01	38.13 4.45 -0.01
DELAWARE___LFGE 323621	31.67 1.19 0.00	28.66 1.05 0.00	26.76 0.90 0.00	26.17 0.88 0.00	25.54 0.84 0.00	25.24 0.83 0.00	25.98 0.88 0.00	26.58 0.92 0.00	29.03 1.09 0.00	35.04 1.38 0.00	36.25 1.39 0.00	37.19 1.43 0.00	39.07 1.68 0.00	40.17 1.69 0.00	42.64 1.84 0.00	47.24 2.08 0.00	52.74 2.32 0.00	57.99 2.59 -0.27	56.45 2.52 -0.23	54.10 2.46 -0.31	44.08 1.86 -0.06	41.60 1.82 -0.12	37.57 1.62 0.00	35.14 1.45 -0.02
DERFIELD_115KV_TB7 355931	30.72 0.30 0.07	27.84 0.25 0.02	26.06 0.21 0.00	25.49 0.20 0.00	24.90 0.20 0.00	24.60 0.20 0.00	25.30 0.20 0.00	25.84 0.18 0.00	28.16 0.25 0.03	33.85 0.30 0.12	35.04 0.31 0.14	35.89 0.29 0.15	37.55 0.34 0.17	38.64 0.35 0.19	40.95 0.37 0.22	45.33 0.45 0.29	50.56 0.50 0.36	55.30 0.61 0.44	54.29 0.59 0.00	51.84 0.51 0.00	42.51 0.34 0.00	40.02 0.36 0.00	36.16 0.32 0.12	33.87 0.30 0.11
DOGLEVILLE___HYD 23807	31.42 1.00 0.07	28.48 0.88 0.02	26.68 0.83 0.00	26.07 0.78 0.00	25.47 0.77 0.00	25.16 0.76 0.00	25.90 0.80 0.00	26.45 0.80 0.00	28.77 0.87 0.03	34.62 1.08 0.12	35.84 1.12 0.14	36.72 1.11 0.15	38.49 1.27 0.17	39.56 1.27 0.19	41.92 1.34 0.22	46.33 1.44 0.29	51.67 1.61 0.36	56.51 1.82 0.44	55.53 1.83 0.00	53.12 1.80 0.00	43.52 1.35 0.00	41.01 1.35 0.00	37.02 1.18 0.12	34.65 1.08 0.11
DUNKIRK___115KV_TB_200 55889	31.40 0.91 0.00	28.22 0.61 0.00	26.29 0.44 0.00	25.61 0.33 0.00	25.05 0.35 0.00	24.77 0.37 0.00	25.17 0.08 0.00	25.81 0.15 0.00	28.27 0.34 0.00	33.93 0.27 0.00	36.32 1.46 0.00	37.69 1.93 0.00	40.04 2.65 0.00	41.98 3.50 0.00	44.92 4.12 0.00	48.96 3.79 0.00	53.95 3.53 0.00	59.04 3.91 0.00	56.82 3.11 0.00	54.04 2.72 0.00	43.85 1.69 0.00	42.00 2.34 0.00	37.90 1.94 0.00	35.23 1.55 0.00
DUNKIRK___1 23563	31.40 0.91 0.00	28.22 0.61 0.00	26.29 0.44 0.00	25.61 0.33 0.00	25.05 0.35 0.00	24.77 0.37 0.00	25.17 0.08 0.00	25.81 0.15 0.00	28.27 0.34 0.00	33.93 0.27 0.00	36.32 1.46 0.00	37.69 1.93 0.00	40.04 2.65 0.00	41.98 3.50 0.00	44.92 4.12 0.00	48.96 3.79 0.00	53.95 3.53 0.00	59.04 3.91 0.00	56.82 3.11 0.00	54.04 2.72 0.00	43.85 1.69 0.00	42.00 2.34 0.00	37.90 1.94 0.00	35.23 1.55 0.00
DUNKIRK___2 23564	31.40 0.91 0.00	28.22 0.61 0.00	26.29 0.44 0.00	25.61 0.33 0.00	25.05 0.35 0.00	24.77 0.37 0.00	25.17 0.08 0.00	25.81 0.15 0.00	28.27 0.34 0.00	33.93 0.27 0.00	36.32 1.46 0.00	37.69 1.93 0.00	40.04 2.65 0.00	41.98 3.50 0.00	44.92 4.12 0.00	48.96 3.79 0.00	53.95 3.53 0.00	59.04 3.91 0.00	56.82 3.11 0.00	54.04 2.72 0.00	43.85 1.69 0.00	42.00 2.34 0.00	37.90 1.94 0.00	35.23 1.55 0.00
DUNKIRK___3 23565	31.15 0.67 0.00	28.00 0.39 0.00	26.11 0.26 0.00	25.41 0.13 0.00	24.88 0.17 0.00	24.58 0.17 0.00	24.97 -0.13 0.00	25.61 -0.05 0.00	28.02 0.08 0.00	33.63 -0.03 0.00	36.01 1.15 0.00	37.33 1.57 0.00	39.66 2.28 0.00	41.56 3.08 0.00	44.47 3.67 0.00	48.46 3.30 0.00	53.39 2.97 0.00	58.43 3.31 0.00	56.28 2.58 0.00	53.48 2.16 0.00	43.48 1.31 0.00	41.61 1.94 0.00	37.54 1.58 0.00	34.92 1.25 0.00
DUNKIRK___4 23566	31.15 0.67 0.00	28.00 0.39 0.00	26.11 0.26 0.00	25.41 0.13 0.00	24.88 0.17 0.00	24.58 0.17 0.00	24.97 -0.13 0.00	25.61 -0.05 0.00	28.02 0.08 0.00	33.63 -0.03 0.00	36.01 1.15 0.00	37.33 1.57 0.00	39.66 2.28 0.00	41.56 3.08 0.00	44.47 3.67 0.00	48.46 3.30 0.00	53.39 2.97 0.00	58.43 3.31 0.00	56.28 2.58 0.00	53.48 2.16 0.00	43.48 1.31 0.00	41.61 1.94 0.00	37.54 1.58 0.00	34.92 1.25 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	32.86 2.38 0.00	29.69 2.07 0.00	27.72 1.86 0.00	27.11 1.82 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.96 1.86 0.00	27.66 2.00 0.00	30.34 2.40 0.00	36.66 3.00 0.00	37.89 3.03 0.00	38.73 2.97 0.00	40.52 3.14 0.00	41.52 3.04 0.00	44.10 3.30 0.00	49.10 3.93 0.00	54.81 4.39 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.07 3.75 0.00	45.04 2.87 0.00	42.44 2.78 0.00	38.69 2.73 0.00	36.27 2.59 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	32.53 2.04 0.00	29.44 1.82 0.00	27.48 1.63 0.00	26.85 1.57 0.00	26.21 1.51 0.00	25.85 1.44 0.00	26.68 1.58 0.00	27.30 1.64 0.00	29.92 1.98 0.00	36.16 2.49 0.00	37.33 2.47 0.00	38.19 2.43 0.00	40.00 2.62 0.00	41.02 2.54 0.00	43.61 2.82 0.00	48.55 3.39 0.00	54.35 3.93 0.00	59.43 4.30 0.00	57.62 3.92 0.00	54.76 3.44 0.00	44.74 2.57 0.00	42.12 2.46 0.00	38.33 2.37 0.00	35.97 2.29 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	33.14 2.65 0.00	29.88 2.26 0.00	27.85 1.99 0.00	27.23 1.95 0.00	26.51 1.80 0.00	26.04 1.64 0.00	26.91 1.81 0.00	27.61 1.95 0.00	30.31 2.37 0.00	36.69 3.03 0.00	37.89 3.03 0.00	38.76 3.00 0.00	40.49 3.10 0.00	41.40 2.92 0.00	43.94 3.14 0.00	48.82 3.66 0.00	54.40 3.98 0.00	59.37 4.24 0.00	57.57 3.87 0.00	54.50 3.18 0.01	44.74 2.57 0.00	42.24 2.58 0.00	38.69 2.73 0.00	36.57 2.90 0.00
E179THST_13_KV_LOAD 356214	33.35 2.87 0.00	30.07 2.46 0.00	28.00 2.15 0.00	27.38 2.10 0.00	26.63 1.93 0.00	26.19 1.78 0.00	27.06 1.96 0.00	27.76 2.10 0.00	30.51 2.57 0.00	36.90 3.23 0.00	38.14 3.28 0.00	38.98 3.22 0.00	40.75 3.36 0.00	41.71 3.23 0.00	44.23 3.43 0.00	49.14 3.97 0.00	54.76 4.34 0.00	59.81 4.69 0.00	58.00 4.30 0.00	54.86 3.54 0.01	45.04 2.87 0.00	42.52 2.86 0.00	38.94 2.98 0.00	36.81 3.13 0.00
EAST HAMPTON___GT 23717	41.44 4.33 -6.63	40.10 3.84 -8.65	39.19 3.54 -9.79	37.42 3.24 -8.90	36.31 3.21 -8.39	37.34 3.20 -9.74	37.28 3.44 -8.75	38.15 3.72 -8.77	39.89 4.44 -7.51	41.25 5.76 -1.83	48.18 6.00 -7.32	132.97 6.08 -91.14	125.33 6.24 -81.71	133.01 6.08 -88.46	135.87 6.41 -88.66	147.67 7.45 -95.05	247.54 8.57 -188.54	374.41 8.16 -311.13	148.63 8.32 -86.60	140.80 7.18 -82.29	135.85 5.73 -87.95	136.44 5.59 -91.18	41.15 5.18 -0.01	38.60 4.92 -0.01
EAST RIVER___6 23660	32.98 2.50 0.00	29.77 2.16 0.00	27.85 1.99 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.09 1.68 0.00	26.98 1.88 0.00	27.79 2.13 0.00	30.50 2.57 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.18 3.38 0.00	49.09 3.93 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.94 4.24 0.00	54.97 3.64 0.00	44.99 2.83 0.00	42.44 2.78 0.00	38.69 2.73 0.00	36.37 2.70 0.00
EAST RIVER___7 23524	32.98 2.50 0.00	29.77 2.16 0.00	27.85 1.99 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.09 1.68 0.00	26.98 1.88 0.00	27.79 2.13 0.00	30.50 2.57 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.18 3.38 0.00	49.09 3.93 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.94 4.24 0.00	54.97 3.64 0.00	44.99 2.83 0.00	42.44 2.78 0.00	38.69 2.73 0.00	36.37 2.70 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	32.77 2.29 0.00	29.60 1.99 0.00	27.66 1.81 0.00	27.03 1.74 0.00	26.38 1.68 0.00	26.02 1.61 0.00	26.88 1.78 0.00	27.58 1.92 0.00	30.25 2.32 0.00	36.56 2.90 0.00	37.75 2.89 0.00	38.62 2.86 0.00	40.41 3.03 0.00	41.40 2.92 0.00	43.98 3.18 0.00	48.96 3.79 0.00	54.71 4.29 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.92 3.59 0.00	44.95 2.78 0.00	42.32 2.66 0.00	38.58 2.62 0.00	36.20 2.53 0.00
EAST_HAMPTON___DIESEL 23722	41.41 4.30 -6.63	40.08 3.81 -8.65	39.14 3.49 -9.79	37.40 3.21 -8.90	36.28 3.19 -8.39	37.34 3.20 -9.74	37.28 3.44 -8.75	38.13 3.70 -8.77	39.89 4.44 -7.51	41.25 5.76 -1.83	48.18 6.00 -7.32	132.97 6.08 -91.14	125.30 6.21 -81.71	132.97 6.04 -88.46	135.82 6.36 -88.66	147.62 7.41 -95.05	247.49 8.52 -188.54	374.36 8.11 -311.13	148.57 8.27 -86.60	140.75 7.13 -82.29	135.81 5.69 -87.95	136.40 5.55 -91.18	41.11 5.14 -0.01	38.60 4.92 -0.01
EAST_POINT___SOLAR 323840	33.32 2.84 0.00	30.18 2.57 0.00	28.08 2.22 0.00	27.41 2.12 0.00	26.75 2.05 0.00	26.31 1.90 0.00	26.73 1.63 0.00	26.61 0.95 0.00	28.63 0.70 0.00	34.57 0.91 0.00	35.59 0.73 0.00	36.47 0.71 0.00	38.39 1.01 0.00	39.36 0.89 0.00	41.74 0.94 0.00	46.52 1.35 0.00	51.98 1.56 0.00	57.72 2.59 0.00	59.18 5.48 0.00	57.27 5.95 0.00	47.14 4.97 0.00	44.26 4.60 0.00	39.77 3.81 0.00	37.08 3.40 0.00
EAST_PULASKI___ESR 323781	29.86 -0.36 0.26	27.11 -0.41 0.09	25.42 -0.44 0.00	24.83 -0.45 0.00	24.28 -0.42 0.00	24.01 -0.39 0.00	24.65 -0.45 0.00	25.25 -0.41 0.00	27.32 -0.50 0.12	33.11 -0.60 -0.05	33.76 -0.56 0.54	34.62 -0.54 0.60	36.26 -0.45 0.68	37.38 -0.35 0.75	39.47 -0.45 0.88	43.26 -0.77 1.14	48.11 -0.86 1.46	55.33 -0.66 -0.86	55.35 -0.54 -2.19	54.02 -0.26 -2.95	42.45 -0.25 -0.54	40.82 0.04 -1.12	35.37 -0.07 0.51	33.18 -0.20 0.30
EAST_RIVER___1 323558	33.01 2.53 0.00	29.77 2.16 0.00	27.87 2.02 0.00	27.18 1.90 0.00	26.51 1.80 0.00	26.14 1.73 0.00	27.01 1.91 0.00	27.79 2.13 0.00	30.50 2.57 0.00	36.86 3.20 0.00	38.06 3.20 0.00	38.87 3.11 0.00	40.75 3.37 0.00	41.75 3.27 0.00	44.31 3.51 0.00	49.23 4.07 0.00	54.96 4.54 0.00	59.92 4.79 0.00	58.10 4.40 0.00	55.07 3.74 0.00	45.04 2.87 0.00	42.48 2.82 0.00	38.73 2.77 0.00	36.44 2.76 0.00
EAST_RIVER___2 323559	32.98 2.50 0.00	29.77 2.16 0.00	27.85 1.99 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.09 1.68 0.00	26.98 1.88 0.00	27.79 2.13 0.00	30.50 2.57 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.18 3.38 0.00	49.09 3.93 0.00	54.76 4.34 0.00	59.70 4.57 0.00	57.94 4.24 0.00	54.97 3.64 0.00	44.99 2.83 0.00	42.44 2.78 0.00	38.69 2.73 0.00	36.37 2.70 0.00
EAST___DELAWARE_HYD 23607	31.79 1.31 0.00	28.75 1.13 0.00	26.89 1.04 0.00	26.19 0.91 0.00	25.59 0.89 0.00	25.24 0.83 0.00	26.03 0.93 0.00	26.61 0.95 0.00	29.14 1.20 0.00	35.21 1.55 0.00	36.29 1.43 0.00	37.08 1.32 0.00	38.95 1.57 0.00	39.98 1.50 0.00	42.55 1.75 0.00	47.38 2.21 0.00	53.19 2.77 0.00	58.21 3.09 0.00	56.54 2.84 0.00	53.89 2.57 0.00	43.90 1.73 0.00	41.33 1.67 0.00	37.54 1.58 0.00	35.23 1.55 0.00
EIGHT_POINT___WT_PWR 323820	31.61 1.13 0.00	28.42 0.80 0.00	26.63 0.77 0.00	25.87 0.58 0.00	25.29 0.59 0.00	24.99 0.58 0.00	25.65 0.55 0.00	26.63 0.97 0.00	28.61 0.67 0.00	34.40 0.67 -0.06	36.43 1.57 0.00	37.69 1.93 0.00	40.00 2.62 0.00	41.52 3.04 0.00	44.27 3.47 0.00	48.51 3.34 0.00	53.75 3.33 0.00	59.22 3.75 -0.34	57.26 3.28 -0.29	54.89 3.18 -0.39	44.73 2.49 -0.07	42.47 2.66 -0.15	38.22 2.27 0.00	35.58 1.88 -0.02
ELBRIDGE_115KV_TB2 80188	30.48 0.06 0.06	27.54 -0.06 0.02	25.73 -0.13 0.00	25.18 -0.10 0.00	24.60 -0.10 0.00	24.33 -0.07 0.00	24.92 -0.18 0.00	25.53 -0.13 0.00	27.82 -0.08 0.03	33.77 -0.10 -0.20	34.77 0.03 0.13	35.76 0.14 0.14	37.56 0.34 0.16	38.80 0.50 0.18	41.16 0.57 0.21	45.44 0.54 0.27	50.58 0.50 0.34	57.06 0.61 -1.32	55.69 0.54 -1.46	53.80 0.51 -1.96	42.82 0.30 -0.36	40.80 0.40 -0.75	36.12 0.29 0.12	33.91 0.24 0.00
ELEC_TRO_TEK 24086	39.71 2.80 -6.42	38.69 2.43 -8.64	37.85 2.20 -9.79	36.33 2.15 -8.90	35.15 2.05 -8.39	36.15 2.00 -9.74	36.03 2.18 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.87 3.43 -1.78	38.17 3.31 0.00	39.16 3.40 0.00	40.94 3.55 0.00	41.86 3.39 0.00	44.35 3.55 0.00	49.32 4.16 0.00	55.11 4.69 0.00	60.14 5.02 0.00	58.16 4.46 0.00	55.07 3.75 0.00	45.20 3.04 0.00	42.72 3.05 0.00	38.94 2.98 0.00	36.54 2.86 0.00



ELLENBURG_WT_PWR 323604	30.34 0.09 0.24	27.70 0.17 0.08	26.01 0.16 0.00	25.61 0.33 0.00	25.05 0.35 0.00	24.87 0.46 0.00	25.68 0.58 0.00	26.07 0.41 0.00	28.36 0.53 0.11	33.88 0.64 0.42	35.10 0.73 0.49	36.00 0.79 0.54	36.47 -0.30 0.61	37.57 -0.23 0.68	39.44 -0.57 0.79	43.14 -0.99 1.03	47.08 -2.02 1.32	51.51 -2.04 1.58	52.14 -1.56 0.00	50.45 -0.87 0.00	42.71 0.55 0.00	39.27 -0.40 0.00	35.72 0.25 0.49	33.06 -0.17 0.44
ELM_ST_23_KV_LD_REV_LBMP_A 345012	30.73 0.24 0.00	27.64 0.03 0.00	25.75 -0.10 0.00	25.08 -0.20 0.00	24.53 -0.17 0.00	24.26 -0.15 0.00	24.62 -0.48 0.00	25.09 -0.56 0.00	27.49 -0.45 0.00	32.96 -0.71 0.00	35.31 0.45 0.00	36.62 0.86 0.00	38.92 1.53 0.00	40.75 2.27 0.00	43.57 2.77 0.00	47.42 2.26 0.00	52.18 1.76 0.00	57.11 1.98 0.00	55.04 1.34 0.00	52.35 1.03 0.00	42.63 0.46 0.00	40.85 1.19 0.00	36.89 0.93 0.00	34.38 0.71 0.00
EMPIRE_CC_1 323656	31.43 0.95 0.00	28.53 0.91 0.00	26.84 0.98 0.00	26.19 0.91 0.00	25.59 0.89 0.00	25.24 0.83 0.00	25.88 0.78 0.00	26.32 0.67 0.00	28.75 0.81 0.00	34.67 1.01 0.00	35.69 0.84 0.00	36.51 0.75 0.00	38.13 0.75 0.00	39.13 0.65 0.00	41.53 0.74 0.00	46.07 0.90 0.00	51.63 1.21 0.00	56.40 1.27 0.00	54.94 1.24 0.00	52.30 0.97 0.00	43.01 0.84 0.00	40.45 0.79 0.00	36.57 0.61 0.00	34.48 0.81 0.00
EMPIRE_CC_2 323658	31.43 0.95 0.00	28.53 0.91 0.00	26.84 0.98 0.00	26.19 0.91 0.00	25.59 0.89 0.00	25.24 0.83 0.00	25.88 0.78 0.00	26.32 0.67 0.00	28.75 0.81 0.00	34.67 1.01 0.00	35.69 0.84 0.00	36.51 0.75 0.00	38.13 0.75 0.00	39.13 0.65 0.00	41.53 0.74 0.00	46.07 0.90 0.00	51.63 1.21 0.00	56.40 1.27 0.00	54.94 1.24 0.00	52.30 0.97 0.00	43.01 0.84 0.00	40.45 0.79 0.00	36.57 0.61 0.00	34.48 0.81 0.00
ENORWICH_115KV_TB1 80156	33.07 2.59 0.00	29.80 2.18 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.53 1.83 0.00	26.24 1.83 0.00	27.03 1.93 0.00	28.76 3.10 0.00	31.37 3.44 0.00	37.95 4.21 -0.08	39.11 4.25 0.00	40.05 4.29 0.00	42.80 5.42 0.00	44.09 5.62 0.00	46.55 5.75 0.00	51.31 6.14 0.00	57.23 6.81 0.00	61.38 5.62 -0.63	60.19 5.96 -0.53	58.46 6.42 -0.72	47.19 4.89 -0.13	44.73 4.80 -0.27	40.06 4.10 0.00	37.15 3.44 -0.04
ERIE_ST_34_KV_TB1-2 80199	31.00 0.52 0.00	27.84 0.22 0.00	25.93 0.08 0.00	25.23 -0.05 0.00	24.70 0.00 0.00	24.41 0.00 0.00	24.80 -0.30 0.00	25.38 -0.28 0.00	27.82 -0.11 0.00	33.39 -0.27 0.00	35.80 0.94 0.00	37.15 1.39 0.00	39.48 2.09 0.00	41.36 2.89 0.00	44.31 3.51 0.00	48.33 3.16 0.00	53.24 2.82 0.00	58.27 3.14 0.00	56.06 2.36 0.00	53.27 1.95 0.00	43.22 1.05 0.00	41.37 1.71 0.00	37.32 1.37 0.00	34.79 1.11 0.00
ERIE_WT_PWR 323693	30.94 0.46 0.00	27.81 0.19 0.00	26.06 0.21 0.00	25.23 -0.05 0.00	24.68 -0.02 0.00	24.41 0.00 0.00	25.02 -0.08 0.00	25.94 0.28 0.00	27.68 -0.25 0.00	33.19 -0.47 0.00	35.69 0.84 0.00	37.04 1.29 0.00	39.44 2.05 0.00	41.25 2.77 0.00	44.15 3.35 0.00	48.01 2.85 0.00	53.04 2.62 0.00	57.88 2.76 0.00	55.79 2.09 0.00	53.07 1.75 0.00	43.52 1.35 0.00	41.37 1.70 0.00	37.29 1.33 0.00	34.75 1.08 0.00
ESPRGFLD_115KV_TB1 80157	32.34 1.86 0.00	29.24 1.63 0.00	27.25 1.40 0.00	26.62 1.34 0.00	26.01 1.31 0.00	25.68 1.27 0.00	26.38 1.28 0.00	26.89 1.23 0.00	29.25 1.31 0.00	35.31 1.65 0.00	36.53 1.67 0.00	37.47 1.72 0.00	39.48 2.09 0.00	40.59 2.12 0.00	43.04 2.24 0.00	47.79 2.62 0.00	53.24 2.82 0.00	58.66 3.53 0.00	57.89 4.19 0.00	55.58 4.26 0.00	45.54 3.37 0.00	42.87 3.21 0.00	38.76 2.80 0.00	36.03 2.36 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	31.46 0.98 0.00	28.36 0.75 0.00	26.48 0.62 0.00	25.89 0.61 0.00	25.30 0.59 0.00	24.99 0.59 0.00	25.60 0.50 0.00	26.20 0.54 0.00	28.52 0.59 0.00	34.54 0.71 -0.17	35.70 0.84 0.00	36.72 0.97 0.00	38.62 1.23 0.00	39.94 1.46 0.00	42.39 1.59 0.00	46.88 1.72 0.00	52.24 1.82 0.00	58.49 2.48 -0.88	56.91 2.47 -0.74	54.89 2.57 -1.00	44.25 1.90 -0.18	41.91 1.86 -0.38	37.57 1.62 0.00	35.08 1.35 -0.06
ETNA____115KV_TB2 80207	31.46 0.98 0.00	28.36 0.75 0.00	26.48 0.62 0.00	25.89 0.61 0.00	25.30 0.59 0.00	24.99 0.59 0.00	25.60 0.50 0.00	26.20 0.54 0.00	28.52 0.59 0.00	34.54 0.71 -0.17	35.70 0.84 0.00	36.72 0.97 0.00	38.62 1.23 0.00	39.94 1.46 0.00	42.39 1.59 0.00	46.88 1.72 0.00	52.24 1.82 0.00	58.49 2.48 -0.88	56.91 2.47 -0.74	54.89 2.57 -1.00	44.25 1.90 -0.18	41.91 1.86 -0.38	37.57 1.62 0.00	35.08 1.35 -0.06
EUCLID____115KV_TB2 356179	30.22 -0.18 0.08	27.34 -0.25 0.03	25.57 -0.28 0.00	25.01 -0.28 0.00	24.46 -0.25 0.00	24.16 -0.24 0.00	24.75 -0.35 0.00	25.32 -0.33 0.00	27.59 -0.31 0.04	33.32 -0.34 0.01	34.45 -0.24 0.17	35.43 -0.14 0.18	37.18 0.00 0.21	38.36 0.12 0.23	40.69 0.16 0.27	44.91 0.09 0.35	50.02 0.05 0.45	55.39 0.06 -0.21	54.33 0.00 -0.63	52.17 0.00 -0.85	42.20 -0.13 -0.15	39.98 0.00 -0.32	35.76 -0.04 0.16	33.51 -0.07 0.10
E_CANADA_CAP_HY 24051	32.80 2.32 0.00	29.71 2.10 0.00	27.69 1.84 0.00	27.01 1.72 0.00	26.38 1.68 0.00	25.99 1.59 0.00	26.63 1.53 0.00	26.97 1.31 0.00	29.22 1.29 0.00	35.28 1.62 0.00	36.39 1.53 0.00	37.33 1.57 0.00	39.29 1.91 0.00	40.32 1.85 0.00	42.76 1.96 0.00	47.60 2.44 0.00	53.04 2.62 0.00	58.55 3.42 0.00	58.54 4.84 0.00	56.25 4.93 0.00	46.22 4.05 0.00	43.39 3.73 0.00	39.16 3.20 0.00	36.51 2.83 0.00
E_CANADA_MHWK_HY 24050	31.42 1.00 0.07	28.48 0.88 0.02	26.68 0.83 0.00	26.07 0.78 0.00	25.47 0.77 0.00	25.16 0.76 0.00	25.90 0.80 0.00	26.45 0.80 0.00	28.77 0.87 0.03	34.62 1.08 0.12	35.84 1.12 0.14	36.72 1.11 0.15	38.49 1.27 0.17	39.56 1.27 0.19	41.92 1.34 0.22	46.33 1.44 0.29	51.67 1.61 0.36	56.51 1.82 0.44	55.53 1.83 0.00	53.12 1.80 0.00	43.52 1.35 0.00	41.01 1.35 0.00	37.02 1.18 0.12	34.65 1.08 0.11
E_FISHKILL____LBMP 23776	32.43 1.95 0.00	29.33 1.71 0.00	27.41 1.55 0.00	26.80 1.52 0.00	26.16 1.46 0.00	25.80 1.39 0.00	26.63 1.53 0.00	27.27 1.62 0.00	29.86 1.93 0.00	36.09 2.42 0.00	37.23 2.37 0.00	38.08 2.32 0.00	39.81 2.43 0.00	40.82 2.35 0.00	43.37 2.57 0.00	48.24 3.07 0.00	53.95 3.53 0.00	58.88 3.75 0.00	57.14 3.44 0.00	54.25 2.93 0.00	44.45 2.28 0.00	41.84 2.18 0.00	38.11 2.16 0.00	35.76 2.09 0.00
FALCON____SEABRD_CC1 323796	30.43 0.18 0.24	27.81 0.28 0.08	26.11 0.26 0.00	25.71 0.43 0.00	25.12 0.42 0.00	24.92 0.51 0.00	25.73 0.63 0.00	26.14 0.49 0.00	28.42 0.59 0.11	33.91 0.67 0.42	35.13 0.77 0.49	36.07 0.86 0.54	36.43 -0.34 0.61	37.53 -0.27 0.68	39.39 -0.61 0.80	43.18 -0.95 1.04	47.03 -2.07 1.32	51.34 -2.21 1.58	52.04 -1.67 0.00	50.35 -0.98 0.00	42.76 0.59 0.00	39.34 -0.32 0.00	35.86 0.40 0.50	33.23 0.00 0.45



FALCON___SEABRD_CC2 323797	30.43 0.18 0.24	27.81 0.28 0.08	26.11 0.26 0.00	25.71 0.43 0.00	25.12 0.42 0.00	24.92 0.51 0.00	25.73 0.63 0.00	26.14 0.49 0.00	28.42 0.59 0.11	33.91 0.67 0.42	35.13 0.77 0.49	36.07 0.86 0.54	36.43 -0.34 0.61	37.53 -0.27 0.68	39.39 -0.61 0.80	43.18 -0.95 1.04	47.03 -2.07 1.32	51.34 -2.21 1.58	52.04 -1.67 0.00	50.35 -0.98 0.00	42.76 0.59 0.00	39.34 -0.32 0.00	35.86 0.40 0.50	33.23 0.00 0.45
FAR ROCKAWAY___4 23548	40.35 3.44 -6.42	39.24 2.98 -8.64	38.34 2.69 -9.79	36.76 2.58 -8.90	35.59 2.49 -8.39	36.56 2.42 -9.74	36.43 2.59 -8.75	37.18 2.75 -8.77	38.69 3.24 -7.51	39.48 4.04 -1.78	38.94 4.08 0.00	40.01 4.26 0.00	41.80 4.41 0.00	42.79 4.31 0.00	45.37 4.57 0.00	50.50 5.33 0.00	56.42 6.00 0.00	61.58 6.45 0.00	59.50 5.80 0.00	56.35 5.03 0.00	46.22 4.05 0.00	43.67 4.01 0.00	39.73 3.78 0.00	37.25 3.57 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	33.01 2.53 0.00	29.80 2.18 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.79 2.13 0.00	30.51 2.57 0.00	36.90 3.23 0.00	38.10 3.24 0.00	39.01 3.25 0.00	40.79 3.40 0.00	41.75 3.27 0.00	44.31 3.51 0.00	49.28 4.11 0.00	55.01 4.59 0.00	60.03 4.91 0.00	58.21 4.51 0.00	55.17 3.85 0.00	45.16 2.99 0.00	42.56 2.90 0.00	38.91 2.95 0.00	36.51 2.83 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	33.04 2.56 0.00	29.80 2.18 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.79 2.13 0.00	30.51 2.57 0.00	36.90 3.23 0.00	38.10 3.24 0.00	39.01 3.25 0.00	40.79 3.40 0.00	41.75 3.27 0.00	44.31 3.51 0.00	49.32 4.16 0.00	55.01 4.59 0.00	60.03 4.91 0.00	58.21 4.51 0.00	55.17 3.85 0.00	45.20 3.04 0.00	42.60 2.93 0.00	38.94 2.98 0.00	36.51 2.83 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	32.98 2.50 0.00	29.77 2.15 0.00	27.79 1.94 0.00	27.18 1.90 0.00	26.51 1.80 0.00	26.14 1.73 0.00	27.03 1.93 0.00	27.79 2.13 0.00	30.48 2.54 0.00	36.86 3.20 0.00	38.07 3.21 0.00	38.98 3.22 0.00	40.75 3.36 0.00	41.71 3.23 0.00	44.27 3.47 0.00	49.23 4.06 0.00	54.96 4.54 0.00	59.98 4.85 0.00	58.16 4.46 0.00	55.12 3.80 0.00	45.12 2.95 0.00	42.52 2.86 0.00	38.91 2.95 0.00	36.47 2.80 0.00
FARRAGUT___LBMP 323566	32.98 2.50 0.00	29.74 2.13 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.76 2.10 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.94 3.18 0.00	40.71 3.33 0.00	41.67 3.19 0.00	44.23 3.43 0.00	49.19 4.02 0.00	54.91 4.49 0.00	59.92 4.80 0.00	58.10 4.40 0.00	55.07 3.75 0.00	45.12 2.95 0.00	42.52 2.86 0.00	38.87 2.91 0.00	36.44 2.76 0.00
FENNER___WINDPWR 24204	31.19 0.82 0.11	28.24 0.66 0.04	26.42 0.57 0.00	25.82 0.53 0.00	25.22 0.52 0.00	24.92 0.51 0.00	25.63 0.53 0.00	26.27 0.61 0.00	28.47 0.59 0.05	34.32 0.74 0.08	35.42 0.80 0.24	36.35 0.86 0.26	38.21 1.12 0.30	39.38 1.23 0.33	41.72 1.31 0.39	46.02 1.35 0.50	51.29 1.51 0.64	56.96 1.93 0.10	56.19 1.93 -0.56	54.13 2.06 -0.76	43.91 1.60 -0.14	41.54 1.59 -0.29	36.99 1.26 0.22	34.56 1.05 0.16
FIBERTEK___ENERGY 23856	30.60 0.18 0.07	27.67 0.08 0.02	25.85 0.00 0.00	25.28 0.00 0.00	24.73 0.02 0.00	24.43 0.02 0.00	25.02 -0.08 0.00	25.66 0.00 0.00	27.96 0.06 0.03	33.93 0.10 -0.16	34.93 0.21 0.14	35.92 0.32 0.16	37.73 0.52 0.18	38.97 0.69 0.20	41.35 0.78 0.23	45.64 0.77 0.30	50.80 0.76 0.38	57.13 0.83 -1.18	55.77 0.70 -1.37	53.90 0.72 -1.86	42.97 0.46 -0.34	40.88 0.52 -0.70	36.25 0.43 0.14	33.99 0.34 0.02
FITZPATRICK____ 23598	29.75 -0.73 0.00	26.90 -0.72 0.00	25.18 -0.67 0.00	24.60 -0.68 0.00	24.06 -0.64 0.00	23.77 -0.63 0.00	24.40 -0.70 0.00	25.02 -0.64 0.00	27.15 -0.78 0.00	31.00 -0.94 1.72	33.99 -0.87 0.00	34.94 -0.82 0.00	36.67 -0.71 0.00	37.82 -0.65 0.00	40.11 -0.69 0.00	44.31 -0.86 0.00	49.41 -1.01 0.00	45.00 -1.05 9.08	45.00 -1.07 7.63	40.00 -1.03 10.30	39.41 -0.89 1.87	35.00 -0.75 3.91	35.20 -0.76 0.00	32.36 -0.74 0.57
FLOWRFLD_69_KV_BK1 356044	40.51 3.32 -6.71	39.26 2.98 -8.66	38.36 2.71 -9.79	36.76 2.58 -8.90	35.57 2.47 -8.39	36.56 2.42 -9.74	36.45 2.61 -8.75	37.23 2.80 -8.77	38.78 3.32 -7.51	39.63 4.11 -1.86	48.35 3.70 -9.79	161.38 3.75 -121.87	150.53 3.89 -109.26	160.46 3.69 -118.29	163.24 3.88 -118.56	176.83 4.56 -127.11	307.74 5.19 -252.12	476.68 5.51 -416.04	174.39 4.89 -115.81	165.53 4.16 -110.05	163.15 3.37 -117.61	164.96 3.37 -121.93	39.32 3.34 -0.02	36.96 3.27 -0.02
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	32.89 2.41 0.00	29.74 2.13 0.00	27.79 1.94 0.00	27.13 1.85 0.00	26.48 1.78 0.00	26.14 1.73 0.00	26.96 1.86 0.00	27.56 1.90 0.00	30.20 2.26 0.00	36.53 2.86 0.00	37.72 2.86 0.00	38.55 2.79 0.00	40.41 3.03 0.00	41.48 3.00 0.00	44.15 3.35 0.00	49.19 4.02 0.00	55.11 4.69 0.00	60.25 5.13 0.00	58.43 4.73 0.00	55.53 4.21 0.00	45.29 3.12 0.00	42.64 2.97 0.00	38.76 2.80 0.00	36.37 2.69 0.00
FORT ORANGE____ 23900	31.31 0.82 0.00	28.39 0.77 0.00	26.58 0.72 0.00	25.94 0.66 0.00	25.32 0.62 0.00	24.99 0.58 0.00	25.68 0.58 0.00	26.14 0.49 0.00	28.52 0.59 0.00	34.44 0.77 0.00	35.49 0.63 0.00	36.30 0.54 0.00	37.83 0.45 0.00	38.82 0.35 0.00	41.25 0.45 0.00	45.84 0.68 0.00	51.33 0.91 0.00	56.17 1.04 0.00	54.88 1.18 0.00	52.35 1.03 0.00	43.05 0.89 0.00	40.45 0.79 0.00	36.53 0.57 0.00	34.35 0.67 0.00
FORT_DRUM_COGEN 23780	28.84 -0.85 0.79	26.51 -0.83 0.28	25.05 -0.80 0.00	24.50 -0.78 0.00	23.91 -0.79 0.00	23.65 -0.76 0.00	24.37 -0.73 0.00	24.84 -0.82 0.00	26.57 -1.01 0.36	31.26 -1.25 1.16	31.83 -1.39 1.64	32.48 -1.47 1.81	33.84 -1.50 2.05	34.75 -1.46 2.27	36.44 -1.71 2.65	39.68 -2.03 3.45	43.85 -2.17 4.40	49.40 -1.76 3.96	53.72 -1.07 -1.10	52.60 -0.21 -1.48	42.23 -0.21 -0.27	40.18 -0.04 -0.56	34.07 -0.32 1.56	31.75 -0.61 1.32
FOX_HILLS___ESR 323835	33.20 2.71 -0.01	29.97 2.35 -0.01	27.96 2.09 -0.01	27.34 2.05 -0.01	26.60 1.90 0.00	26.16 1.76 0.00	27.03 1.93 0.00	27.71 2.05 0.00	30.48 2.54 0.00	36.90 3.23 0.00	38.17 3.31 0.00	39.01 3.25 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.23 3.43 0.00	49.19 4.02 0.00	54.81 4.39 0.00	59.87 4.74 0.00	58.05 4.35 0.00	54.91 3.59 0.01	44.99 2.83 0.00	42.44 2.78 0.00	39.03 3.06 -0.02	36.68 3.00 -0.01
FPL FAR_ROCK_GT1 24212	40.35 3.44 -6.42	39.24 2.98 -8.64	38.39 2.74 -9.79	36.77 2.58 -8.90	35.59 2.49 -8.39	36.56 2.42 -9.74	36.43 2.59 -8.75	37.20 2.77 -8.77	38.69 3.24 -7.51	39.48 4.04 -1.78	38.90 4.04 0.00	39.90 4.15 0.00	41.79 4.41 0.00	42.82 4.35 0.00	45.37 4.57 0.00	50.45 5.28 0.00	55.92 5.50 0.00	60.97 5.84 0.00	58.91 5.21 0.00	55.79 4.46 0.00	46.09 3.92 0.00	43.51 3.85 0.00	39.59 3.63 0.00	37.18 3.50 0.00



FPL FAR_ROCK_GT2 23815	40.35 3.44 -6.42	39.24 2.98 -8.64	38.39 2.74 -9.79	36.77 2.58 -8.90	35.59 2.49 -8.39	36.56 2.42 -9.74	36.43 2.59 -8.75	37.20 2.77 -8.77	38.69 3.24 -7.51	39.48 4.04 -1.78	38.90 4.04 0.00	39.90 4.15 0.00	41.79 4.41 0.00	42.82 4.35 0.00	45.37 4.57 0.00	50.45 5.28 0.00	55.92 5.50 0.00	60.97 5.84 0.00	58.91 5.21 0.00	55.79 4.46 0.00	46.09 3.92 0.00	43.51 3.85 0.00	39.59 3.63 0.00	37.18 3.50 0.00
FRANKLIN_FALL_HYD 24054	28.66 -0.76 1.06	26.66 -0.58 0.38	25.54 -0.31 0.00	24.98 -0.30 0.00	24.41 -0.30 0.00	24.16 -0.24 0.00	24.97 -0.13 0.00	25.56 -0.10 0.00	27.09 -0.36 0.48	31.26 -0.50 1.90	32.21 -0.45 2.20	32.90 -0.43 2.43	33.93 -0.71 2.75	34.78 -0.65 3.04	36.27 -0.98 3.55	38.78 -1.76 4.63	42.55 -1.97 5.90	45.52 -2.54 7.07	51.71 -1.99 0.00	50.09 -1.23 0.00	41.96 -0.21 0.00	38.75 -0.91 0.00	32.76 -1.08 2.12	30.56 -1.21 1.90
FREEPORT_EQUS_GT1 23764	40.01 3.11 -6.42	38.97 2.71 -8.64	38.16 2.51 -9.79	36.54 2.35 -8.90	35.34 2.25 -8.39	36.34 2.20 -9.74	36.20 2.36 -8.75	37.00 2.57 -8.77	38.44 2.99 -7.51	39.18 3.74 -1.78	38.48 3.63 0.00	39.48 3.72 0.00	41.34 3.96 0.00	42.29 3.81 0.00	44.76 3.96 0.00	49.59 4.43 0.00	55.26 4.84 0.00	60.25 5.13 0.00	58.21 4.51 0.00	55.07 3.74 0.00	45.50 3.33 0.00	42.91 3.25 0.00	39.16 3.20 0.00	36.77 3.10 0.00
FREEPORT___CT2 23818	40.01 3.11 -6.42	38.97 2.71 -8.64	38.16 2.51 -9.79	36.54 2.35 -8.90	35.34 2.25 -8.39	36.34 2.20 -9.74	36.20 2.36 -8.75	37.00 2.57 -8.77	38.44 2.99 -7.51	39.18 3.74 -1.78	38.48 3.63 0.00	39.48 3.72 0.00	41.34 3.96 0.00	42.29 3.81 0.00	44.76 3.96 0.00	49.59 4.43 0.00	55.26 4.84 0.00	60.25 5.13 0.00	58.21 4.51 0.00	55.07 3.74 0.00	45.50 3.33 0.00	42.91 3.25 0.00	39.16 3.20 0.00	36.77 3.10 0.00
FRESHKLS_33_KV_LOAD 356253	33.17 2.68 -0.01	29.97 2.35 -0.01	27.96 2.09 -0.01	27.34 2.05 -0.01	26.63 1.93 0.00	26.14 1.73 0.00	26.98 1.88 0.00	27.65 2.00 0.01	30.41 2.49 0.01	36.82 3.16 0.01	38.09 3.24 0.01	38.93 3.18 0.01	40.59 3.22 0.01	41.59 3.12 0.01	42.06 3.39 2.13	42.17 4.02 7.01	42.06 4.39 12.74	42.20 4.74 17.67	42.19 4.35 15.86	42.07 3.59 12.85	41.73 2.78 3.22	41.51 2.74 0.89	38.99 3.02 -0.02	36.68 3.00 -0.01
FULTON COGEN____ 23766	30.08 -0.30 0.10	27.22 -0.36 0.04	25.47 -0.39 0.00	24.91 -0.38 0.00	24.36 -0.35 0.00	24.06 -0.34 0.00	24.65 -0.45 0.00	25.25 -0.41 0.00	27.47 -0.42 0.04	33.61 -0.47 -0.41	34.27 -0.38 0.21	35.21 -0.32 0.23	36.94 -0.19 0.26	38.12 -0.08 0.28	40.38 -0.08 0.33	44.51 -0.23 0.43	49.56 -0.30 0.55	57.20 -0.22 -2.30	55.92 -0.27 -2.49	54.53 -0.15 -3.36	42.53 -0.25 -0.61	40.86 -0.08 -1.27	35.66 -0.11 0.19	33.52 -0.17 -0.01
FULTON___LFGE 323630	34.51 4.02 0.00	31.32 3.70 0.00	29.06 3.21 0.00	28.32 3.03 0.00	27.67 2.96 0.00	27.26 2.85 0.00	28.01 2.91 0.00	28.61 2.95 0.00	31.23 3.29 0.00	37.91 4.24 0.00	38.97 4.11 0.00	40.05 4.29 0.00	42.32 4.93 0.00	43.33 4.85 0.00	46.06 5.27 0.00	51.49 6.32 0.00	57.73 7.31 0.00	63.78 8.66 0.00	63.53 9.83 0.00	60.25 8.93 0.00	49.42 7.26 0.00	46.32 6.66 0.00	41.42 5.46 0.00	38.56 4.88 0.00
G.F.CEMENT___DRP 24184	32.59 2.10 0.00	29.55 1.93 0.00	27.54 1.68 0.00	26.93 1.64 0.00	26.28 1.58 0.00	25.94 1.54 0.00	26.65 1.56 0.00	27.17 1.51 0.00	29.64 1.70 0.00	35.95 2.29 0.00	36.81 1.95 0.00	37.69 1.93 0.00	39.55 2.17 0.00	40.44 1.96 0.00	42.92 2.12 0.00	47.83 2.66 0.00	53.55 3.13 0.00	58.71 3.58 0.00	58.10 4.40 0.00	55.38 4.05 0.00	45.75 3.58 0.00	42.95 3.29 0.00	38.65 2.70 0.00	36.13 2.46 0.00
GARDENVILLE___LBMP 24039	30.85 0.37 0.00	27.73 0.11 0.00	25.85 0.00 0.00	25.16 -0.13 0.00	24.60 -0.10 0.00	24.33 -0.07 0.00	24.70 -0.40 0.00	25.22 -0.44 0.00	27.60 -0.34 0.00	33.13 -0.54 0.00	35.45 0.59 0.00	36.76 1.00 0.00	39.10 1.72 0.00	40.94 2.46 0.00	43.78 2.98 0.00	47.65 2.48 0.00	52.49 2.07 0.00	57.44 2.32 0.00	55.37 1.66 0.00	52.66 1.33 0.00	42.84 0.67 0.00	41.05 1.39 0.00	37.07 1.11 0.00	34.52 0.84 0.00
GARDNVLA_35_KV_LD 355827	30.97 0.49 0.00	27.84 0.22 0.00	25.93 0.08 0.00	25.23 -0.05 0.00	24.70 0.00 0.00	24.41 0.00 0.00	24.77 -0.33 0.00	25.30 -0.36 0.00	27.71 -0.22 0.00	33.23 -0.44 0.00	35.59 0.73 0.00	36.94 1.18 0.00	39.29 1.91 0.00	41.17 2.69 0.00	44.06 3.26 0.00	47.92 2.76 0.00	52.79 2.37 0.00	57.77 2.65 0.00	55.63 1.93 0.00	52.91 1.59 0.00	43.05 0.89 0.00	41.25 1.59 0.00	37.22 1.26 0.00	34.69 1.01 0.00
GELCKHM___115KV_LOAD 80723	30.35 -0.06 0.07	27.45 -0.14 0.03	25.65 -0.21 0.00	25.08 -0.20 0.00	24.53 -0.17 0.00	24.26 -0.15 0.00	24.85 -0.25 0.00	25.43 -0.23 0.00	27.71 -0.20 0.03	33.52 -0.20 -0.05	34.63 -0.07 0.16	35.59 0.00 0.17	37.38 0.19 0.19	38.57 0.31 0.21	40.92 0.37 0.25	45.15 0.32 0.33	50.31 0.30 0.42	56.02 0.33 -0.56	54.81 0.21 -0.89	52.79 0.26 -1.21	42.47 0.08 -0.22	40.28 0.16 -0.46	35.92 0.11 0.15	33.68 0.07 0.07
GENERAL___MILLS 23808	30.91 0.43 0.00	27.78 0.17 0.00	25.91 0.05 0.00	25.21 -0.08 0.00	24.65 -0.05 0.00	24.38 -0.02 0.00	24.75 -0.35 0.00	25.27 -0.38 0.00	27.66 -0.28 0.00	33.19 -0.47 0.00	35.52 0.66 0.00	36.87 1.11 0.00	39.18 1.79 0.00	41.05 2.58 0.00	43.94 3.14 0.00	47.79 2.62 0.00	52.64 2.22 0.00	57.61 2.48 0.00	55.53 1.83 0.00	52.81 1.49 0.00	42.93 0.76 0.00	41.13 1.47 0.00	37.14 1.19 0.00	34.62 0.94 0.00
GE_PLASTICS___DRP 24183	31.37 0.88 0.00	28.44 0.83 0.00	26.58 0.72 0.00	25.99 0.71 0.00	25.39 0.69 0.00	25.06 0.66 0.00	25.80 0.70 0.00	26.30 0.64 0.00	28.66 0.73 0.00	34.61 0.94 0.00	35.70 0.84 0.00	36.55 0.79 0.00	37.83 0.45 0.00	38.82 0.35 0.00	41.25 0.45 0.00	45.80 0.63 0.00	51.28 0.86 0.00	56.06 0.94 0.00	54.67 0.97 0.00	52.09 0.77 0.00	42.80 0.63 0.00	40.26 0.59 0.00	36.46 0.50 0.00	34.25 0.57 0.00
GILBOA___1 23756	31.52 1.04 0.00	28.53 0.91 0.00	26.71 0.85 0.00	26.07 0.78 0.00	25.44 0.74 0.00	25.11 0.71 0.00	25.85 0.75 0.00	26.45 0.80 0.00	28.89 0.95 0.00	34.84 1.18 0.00	36.01 1.15 0.00	36.87 1.11 0.00	38.62 1.23 0.00	39.67 1.19 0.00	42.10 1.31 0.00	46.70 1.54 0.00	52.23 1.81 0.00	56.94 1.82 0.00	55.37 1.67 0.00	52.86 1.54 0.00	43.35 1.18 0.00	40.81 1.15 0.00	37.00 1.04 0.00	34.72 1.05 0.00
GILBOA___2 23757	31.52 1.04 0.00	28.53 0.91 0.00	26.71 0.85 0.00	26.07 0.78 0.00	25.44 0.74 0.00	25.11 0.71 0.00	25.85 0.75 0.00	26.45 0.80 0.00	28.89 0.95 0.00	34.84 1.18 0.00	36.01 1.15 0.00	36.87 1.11 0.00	38.62 1.23 0.00	39.67 1.19 0.00	42.10 1.31 0.00	46.70 1.54 0.00	52.23 1.81 0.00	56.94 1.82 0.00	55.37 1.67 0.00	52.86 1.54 0.00	43.35 1.18 0.00	40.81 1.15 0.00	37.00 1.04 0.00	34.72 1.05 0.00



GILBOA___3 23758	31.52 1.04 0.00	28.53 0.91 0.00	26.71 0.85 0.00	26.07 0.78 0.00	25.44 0.74 0.00	25.11 0.71 0.00	25.85 0.75 0.00	26.45 0.80 0.00	28.89 0.95 0.00	34.84 1.18 0.00	36.01 1.15 0.00	36.87 1.11 0.00	38.62 1.23 0.00	39.67 1.19 0.00	42.10 1.31 0.00	46.70 1.54 0.00	52.23 1.81 0.00	56.94 1.82 0.00	55.37 1.67 0.00	52.86 1.54 0.00	43.35 1.18 0.00	40.81 1.15 0.00	37.00 1.04 0.00	34.72 1.05 0.00
GILBOA___4 23759	31.52 1.04 0.00	28.53 0.91 0.00	26.71 0.85 0.00	26.07 0.78 0.00	25.44 0.74 0.00	25.11 0.71 0.00	25.85 0.75 0.00	26.45 0.80 0.00	28.89 0.95 0.00	34.84 1.18 0.00	36.01 1.15 0.00	36.87 1.11 0.00	38.62 1.23 0.00	39.67 1.19 0.00	42.10 1.31 0.00	46.70 1.54 0.00	52.23 1.81 0.00	56.94 1.82 0.00	55.37 1.67 0.00	52.86 1.54 0.00	43.35 1.18 0.00	40.81 1.15 0.00	37.00 1.04 0.00	34.72 1.05 0.00
GILBOA___ 23599	31.52 1.04 0.00	28.53 0.91 0.00	26.66 0.80 0.00	26.07 0.78 0.00	25.44 0.74 0.00	25.11 0.71 0.00	25.88 0.78 0.00	26.45 0.80 0.00	28.89 0.95 0.00	34.84 1.18 0.00	36.01 1.15 0.00	36.90 1.14 0.00	38.58 1.20 0.00	39.63 1.15 0.00	42.11 1.31 0.00	46.70 1.54 0.00	52.24 1.82 0.00	56.95 1.82 0.00	55.37 1.66 0.00	52.91 1.59 0.00	43.39 1.22 0.00	40.85 1.19 0.00	37.07 1.11 0.00	34.75 1.08 0.00
GINNA___ 23603	29.48 -1.01 0.00	26.54 -1.08 0.00	24.79 -1.06 0.00	24.12 -1.16 0.00	23.59 -1.11 0.00	23.31 -1.10 0.00	23.92 -1.18 0.00	24.68 -0.97 0.00	26.60 -1.34 0.00	32.05 -1.62 0.00	33.81 -1.04 0.00	34.97 -0.79 0.00	36.97 -0.41 0.00	38.36 -0.12 0.00	40.76 -0.04 0.00	44.71 -0.45 0.00	49.56 -0.86 0.00	54.47 -0.66 0.00	52.84 -0.86 0.00	50.35 -0.98 0.00	41.49 -0.68 0.00	39.19 -0.47 0.00	35.27 -0.68 0.00	32.94 -0.74 0.00
GLEN PARK___ 23778	29.00 -0.73 0.75	26.61 -0.74 0.27	25.08 -0.77 0.00	24.55 -0.73 0.00	23.99 -0.72 0.00	23.72 -0.68 0.00	24.47 -0.63 0.00	24.86 -0.80 0.00	26.62 -0.98 0.34	31.42 -1.18 1.07	31.94 -1.36 1.55	32.61 -1.43 1.72	34.02 -1.42 1.94	34.94 -1.38 2.15	36.65 -1.63 2.51	39.91 -1.99 3.27	44.18 -2.07 4.17	49.96 -1.54 3.62	54.05 -0.80 -1.15	53.09 0.21 -1.56	42.58 0.13 -0.28	40.53 0.28 -0.59	34.40 -0.07 1.48	32.00 -0.44 1.24
GLENDALE_27_KV_LOAD 356172	33.26 2.77 0.00	29.99 2.37 0.00	27.98 2.12 0.00	27.36 2.07 0.00	26.65 1.95 0.00	26.26 1.85 0.00	27.16 2.06 0.00	27.89 2.23 0.00	30.65 2.71 0.00	37.06 3.40 0.00	38.31 3.45 0.00	39.19 3.43 0.00	40.94 3.55 0.00	41.90 3.42 0.00	44.47 3.67 0.00	49.41 4.25 0.00	55.06 4.64 0.00	60.09 4.96 0.00	58.26 4.56 0.00	55.17 3.85 0.01	45.29 3.12 0.00	42.72 3.05 0.00	39.12 3.16 0.00	36.74 3.06 0.00
GLENWOOD_IC_1_G5 23712	39.98 3.08 -6.42	38.91 2.65 -8.64	38.05 2.40 -9.79	36.49 2.30 -8.90	35.32 2.22 -8.39	36.29 2.15 -9.74	36.18 2.33 -8.75	36.95 2.51 -8.77	38.41 2.96 -7.51	39.18 3.74 -1.78	38.52 3.66 0.00	39.58 3.83 0.00	41.38 4.00 0.00	42.32 3.85 0.00	44.47 3.67 0.00	49.50 4.34 0.00	55.36 4.94 0.00	60.36 5.24 0.00	58.32 4.62 0.00	55.22 3.90 0.00	45.29 3.12 0.00	43.15 3.49 0.00	39.26 3.31 0.00	36.84 3.17 0.00
GLENWOOD_IC_2_G1 23688	39.86 2.96 -6.42	38.83 2.57 -8.64	38.03 2.38 -9.79	36.43 2.25 -8.90	35.24 2.15 -8.39	36.22 2.07 -9.74	36.10 2.26 -8.75	36.87 2.44 -8.77	38.33 2.88 -7.51	39.04 3.60 -1.78	38.38 3.52 0.00	39.30 3.54 0.00	41.20 3.82 0.00	42.17 3.69 0.00	44.59 3.79 0.00	49.55 4.38 0.00	55.31 4.89 0.00	60.37 5.24 0.00	58.32 4.62 0.00	55.22 3.90 0.00	45.29 3.12 0.00	42.76 3.10 0.00	39.01 3.05 0.00	36.64 2.96 0.00
GLENWOOD_IC_3_G1 23689	39.86 2.96 -6.42	38.83 2.57 -8.64	38.03 2.38 -9.79	36.43 2.25 -8.90	35.24 2.15 -8.39	36.22 2.07 -9.74	36.10 2.26 -8.75	36.87 2.44 -8.77	38.33 2.88 -7.51	39.04 3.60 -1.78	38.38 3.52 0.00	39.30 3.54 0.00	41.20 3.82 0.00	42.17 3.69 0.00	44.59 3.79 0.00	49.55 4.38 0.00	55.31 4.89 0.00	60.37 5.24 0.00	58.32 4.62 0.00	55.22 3.90 0.00	45.29 3.12 0.00	42.76 3.10 0.00	39.01 3.05 0.00	36.64 2.96 0.00
GLENWOOD___4 23550	39.98 3.08 -6.42	38.91 2.65 -8.64	38.05 2.40 -9.79	36.49 2.30 -8.90	35.32 2.22 -8.39	36.29 2.15 -9.74	36.18 2.33 -8.75	36.95 2.51 -8.77	38.41 2.96 -7.51	39.18 3.74 -1.78	38.52 3.66 0.00	39.58 3.83 0.00	41.38 4.00 0.00	42.32 3.85 0.00	44.59 3.79 0.00	49.64 4.47 0.00	55.46 5.04 0.00	60.47 5.35 0.00	58.48 4.78 0.00	55.38 4.05 0.00	45.41 3.25 0.00	43.15 3.49 0.00	39.26 3.31 0.00	36.84 3.17 0.00
GLENWOOD___5 23614	39.98 3.08 -6.42	38.91 2.65 -8.64	38.05 2.40 -9.79	36.49 2.30 -8.90	35.32 2.22 -8.39	36.29 2.15 -9.74	36.18 2.33 -8.75	36.95 2.51 -8.77	38.41 2.96 -7.51	39.18 3.74 -1.78	38.52 3.66 0.00	39.58 3.83 0.00	41.38 4.00 0.00	42.32 3.85 0.00	44.59 3.79 0.00	49.64 4.47 0.00	55.46 5.04 0.00	60.47 5.35 0.00	58.48 4.78 0.00	55.38 4.05 0.00	45.41 3.25 0.00	43.15 3.49 0.00	39.26 3.31 0.00	36.84 3.17 0.00
GLOBAL GREEN_PORT_GT1 23814	41.53 4.42 -6.63	40.16 3.89 -8.65	39.22 3.57 -9.79	37.47 3.29 -8.90	36.31 3.21 -8.39	37.34 3.20 -9.74	37.28 3.44 -8.75	38.15 3.72 -8.77	39.89 4.44 -7.51	41.22 5.72 -1.83	48.07 5.89 -7.32	132.97 6.04 -91.16	125.36 6.24 -81.73	133.08 6.12 -88.48	135.93 6.44 -88.69	147.75 7.50 -95.08	247.64 8.62 -188.60	373.96 7.61 -311.22	148.65 8.32 -86.63	140.88 7.24 -82.32	135.92 5.78 -87.97	136.46 5.59 -91.21	41.15 5.18 -0.01	38.57 4.88 -0.01
GLOBE___DSASP 323697	29.63 -0.85 0.00	26.65 -0.97 0.00	24.85 -1.01 0.00	24.20 -1.09 0.00	23.67 -1.04 0.00	23.41 -1.00 0.00	23.72 -1.38 0.00	24.09 -1.57 0.00	26.37 -1.56 0.00	31.58 -2.09 0.00	33.85 -1.01 0.00	35.11 -0.64 0.00	37.35 -0.04 0.00	39.09 0.62 0.00	41.74 0.94 0.00	45.26 0.09 0.00	49.81 -0.61 0.00	54.47 -0.66 0.00	52.52 -1.18 0.00	49.99 -1.33 0.00	40.82 -1.35 0.00	39.19 -0.48 0.00	35.45 -0.50 0.00	33.07 -0.61 0.00
GOETHSLN___LBMP 323567	32.83 2.35 0.00	29.60 1.99 0.00	27.64 1.78 0.00	27.03 1.74 0.00	26.33 1.63 0.00	26.02 1.61 0.00	26.88 1.78 0.00	27.63 1.98 0.00	30.34 2.40 0.00	36.69 3.03 0.00	37.89 3.03 0.00	38.80 3.04 0.00	40.52 3.14 0.00	41.40 2.92 0.00	41.82 3.14 2.12	41.87 3.70 7.00	41.82 4.13 12.74	41.88 4.41 17.66	41.87 4.03 15.85	41.87 3.39 12.84	41.61 2.66 3.22	41.32 2.54 0.88	38.69 2.73 0.00	36.27 2.59 0.00
GOLAH___69_KV_TB 1_2 80279	30.88 0.40 0.00	27.78 0.17 0.00	25.88 0.03 0.00	25.23 -0.05 0.00	24.68 -0.02 0.00	24.43 0.02 0.00	24.87 -0.23 0.00	25.30 -0.36 0.00	27.66 -0.28 0.00	33.16 -0.50 0.00	35.07 0.21 0.00	36.22 0.46 0.00	38.28 0.90 0.00	39.82 1.35 0.00	42.51 1.71 0.00	46.48 1.31 0.00	51.38 0.96 0.00	56.51 1.38 0.00	54.77 1.07 0.00	52.35 1.03 0.00	42.97 0.80 0.00	40.81 1.15 0.00	36.82 0.86 0.00	34.38 0.71 0.00



GOODYEAR_LAKE_HYD 323669	31.98 1.49 0.00	28.91 1.30 0.00	26.97 1.11 0.00	26.37 1.09 0.00	25.74 1.04 0.00	25.43 1.03 0.00	26.18 1.08 0.00	26.76 1.10 0.00	29.22 1.29 0.00	35.28 1.62 0.00	36.50 1.64 0.00	37.44 1.68 0.00	39.40 2.02 0.00	40.55 2.08 0.00	43.00 2.20 0.00	47.65 2.48 0.00	53.14 2.72 0.00	58.32 3.20 0.00	57.03 3.33 0.00	54.61 3.28 0.00	44.70 2.53 0.00	42.12 2.46 0.00	38.11 2.16 0.00	35.53 1.85 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	31.15 0.67 0.00	28.11 0.50 0.00	26.24 0.39 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.75 0.34 0.00	25.37 0.28 0.00	26.04 0.38 0.00	28.44 0.50 0.00	34.38 0.61 -0.11	35.77 0.91 0.00	36.83 1.07 0.00	38.77 1.38 0.00	40.13 1.65 0.00	42.64 1.84 0.00	47.06 1.90 0.00	52.39 1.97 0.00	57.94 2.21 -0.60	56.09 1.88 -0.51	53.81 1.80 -0.69	43.56 1.27 -0.12	41.27 1.35 -0.26	37.14 1.19 0.00	34.69 0.98 -0.04
GOUDEY___7 23579	31.18 0.70 0.00	28.14 0.52 0.00	26.27 0.41 0.00	25.66 0.38 0.00	25.07 0.37 0.00	24.77 0.37 0.00	25.37 0.28 0.00	26.07 0.41 0.00	28.47 0.53 0.00	34.42 0.64 -0.11	35.83 0.98 0.00	36.87 1.11 0.00	38.84 1.46 0.00	40.17 1.69 0.00	42.68 1.88 0.00	47.15 1.99 0.00	52.44 2.02 0.00	58.05 2.32 -0.60	56.19 1.99 -0.51	53.86 1.85 -0.69	43.60 1.31 -0.12	41.31 1.39 -0.26	37.18 1.22 0.00	34.73 1.01 -0.04
GOUDEY___8 23580	31.15 0.67 0.00	28.11 0.50 0.00	26.24 0.39 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.75 0.34 0.00	25.37 0.28 0.00	26.04 0.38 0.00	28.44 0.50 0.00	34.38 0.61 -0.11	35.77 0.91 0.00	36.83 1.07 0.00	38.77 1.38 0.00	40.13 1.65 0.00	42.64 1.84 0.00	47.06 1.90 0.00	52.39 1.97 0.00	57.94 2.21 -0.60	56.09 1.88 -0.51	53.81 1.80 -0.69	43.56 1.27 -0.12	41.27 1.35 -0.26	37.14 1.19 0.00	34.69 0.98 -0.04
GOWANUS_GT1_1 24077	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT1_2 24078	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT1_3 24079	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT1_4 24080	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT1_5 24084	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT1_6 24111	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT1_7 24112	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT1_8 24113	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT2_1 24114	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT2_2 24115	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT2_3 24116	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01



GOWANUS_GT2_4 24117	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT2_5 24118	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT2_6 24119	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT2_7 24120	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT2_8 24121	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT3_1 24122	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT3_2 24123	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT3_3 24124	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT3_4 24125	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT3_5 24126	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT3_6 24127	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT3_7 24128	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT3_8 24129	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
GOWANUS_GT4_1 24130	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT4_2 24131	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01



GOWANUS_GT4_3 24132	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT4_4 24133	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT4_5 24134	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT4_6 24135	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT4_7 24136	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GOWANUS_GT4_8 24137	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GREENBSH_115KV_TB3 55895	31.28 0.79 0.00	28.36 0.75 0.00	26.50 0.65 0.00	25.92 0.63 0.00	25.32 0.62 0.00	24.97 0.56 0.00	25.73 0.63 0.00	26.22 0.56 0.00	28.55 0.61 0.00	34.51 0.84 0.00	35.56 0.70 0.00	36.40 0.64 0.00	37.94 0.56 0.00	38.90 0.42 0.00	41.29 0.49 0.00	45.89 0.72 0.00	51.38 0.96 0.00	56.23 1.10 0.00	54.83 1.13 0.00	52.25 0.92 0.00	42.97 0.80 0.00	40.38 0.71 0.00	36.53 0.58 0.00	34.32 0.64 0.00
GREENIDGE_115KV_TB5 80291	31.15 0.67 0.00	28.17 0.55 0.00	26.24 0.39 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.77 0.37 0.00	25.30 0.20 0.00	25.97 0.31 0.00	28.35 0.42 0.00	34.02 0.27 -0.09	35.63 0.77 0.00	36.83 1.07 0.00	38.88 1.50 0.00	40.44 1.96 0.00	42.96 2.16 0.00	47.29 2.12 0.00	52.54 2.12 0.00	58.21 2.59 -0.50	56.53 2.42 -0.42	54.25 2.36 -0.56	43.96 1.69 -0.10	41.66 1.78 -0.21	37.43 1.47 0.00	34.89 1.18 -0.03
GREENIDGE___3 23582	31.15 0.67 0.00	28.17 0.55 0.00	26.24 0.39 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.77 0.37 0.00	25.30 0.20 0.00	25.97 0.31 0.00	28.35 0.42 0.00	34.02 0.27 -0.09	35.63 0.77 0.00	36.83 1.07 0.00	38.88 1.50 0.00	40.44 1.96 0.00	42.96 2.16 0.00	47.29 2.12 0.00	52.54 2.12 0.00	58.21 2.59 -0.50	56.53 2.42 -0.42	54.25 2.36 -0.56	43.96 1.69 -0.10	41.66 1.78 -0.21	37.43 1.47 0.00	34.89 1.18 -0.03
GREENIDGE___4 23583	31.15 0.67 0.00	28.17 0.55 0.00	26.32 0.47 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.77 0.37 0.00	25.40 0.30 0.00	26.30 0.64 0.00	28.36 0.42 0.00	34.02 0.27 -0.09	35.69 0.84 0.00	36.90 1.14 0.00	39.03 1.64 0.00	40.51 2.04 0.00	43.08 2.28 0.00	47.33 2.17 0.00	52.69 2.27 0.00	58.32 2.70 -0.50	56.64 2.52 -0.42	54.35 2.46 -0.56	44.21 1.94 -0.10	41.82 1.94 -0.21	37.50 1.55 0.00	34.92 1.21 -0.03
GREENLWN_69_KV_BK 3 55738	39.54 2.68 -6.37	38.46 2.21 -8.64	37.74 2.09 -9.79	36.28 2.10 -8.90	35.10 2.00 -8.39	36.07 1.93 -9.74	35.98 2.13 -8.75	36.71 2.28 -8.77	38.10 2.65 -7.51	38.72 3.30 -1.76	36.14 2.89 1.61	18.80 3.04 20.00	22.59 3.14 17.93	22.03 2.96 19.41	24.49 3.14 19.45	28.06 3.75 20.86	13.34 4.29 41.37	-8.62 4.52 68.27	38.67 3.97 19.00	36.50 3.23 18.06	25.44 2.57 19.30	22.27 2.62 20.01	38.47 2.52 0.00	36.10 2.42 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01
GRISSOM___SOLAR 323813	34.51 4.02 0.00	31.32 3.70 0.00	29.06 3.21 0.00	28.32 3.03 0.00	27.67 2.96 0.00	27.26 2.85 0.00	28.01 2.91 0.00	28.61 2.95 0.00	31.23 3.29 0.00	37.91 4.24 0.00	38.97 4.11 0.00	40.05 4.29 0.00	42.32 4.93 0.00	43.33 4.85 0.00	46.06 5.27 0.00	51.49 6.32 0.00	57.73 7.31 0.00	63.78 8.66 0.00	63.53 9.83 0.00	60.25 8.93 0.00	49.42 7.26 0.00	46.32 6.66 0.00	41.42 5.46 0.00	38.56 4.88 0.00
GROVEVILLE___HYD 323602	32.89 2.41 0.00	29.74 2.13 0.00	27.79 1.94 0.00	27.13 1.85 0.00	26.48 1.78 0.00	26.14 1.73 0.00	26.96 1.86 0.00	27.56 1.90 0.00	30.20 2.26 0.00	36.53 2.86 0.00	37.72 2.86 0.00	38.55 2.79 0.00	40.41 3.03 0.00	41.48 3.00 0.00	44.15 3.35 0.00	49.19 4.02 0.00	55.11 4.69 0.00	60.25 5.13 0.00	58.43 4.73 0.00	55.53 4.21 0.00	45.29 3.12 0.00	42.64 2.97 0.00	38.76 2.80 0.00	36.37 2.69 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	30.60 0.18 0.07	27.67 0.08 0.02	25.85 0.00 0.00	25.28 0.00 0.00	24.73 0.02 0.00	24.43 0.02 0.00	25.02 -0.08 0.00	25.66 0.00 0.00	27.96 0.06 0.03	33.93 0.10 -0.16	34.93 0.21 0.14	35.92 0.32 0.16	37.73 0.52 0.18	38.97 0.69 0.20	41.35 0.78 0.23	45.64 0.77 0.30	50.80 0.76 0.38	57.13 0.83 -1.18	55.77 0.70 -1.37	53.90 0.72 -1.86	42.97 0.46 -0.34	40.88 0.52 -0.70	36.25 0.43 0.14	33.99 0.34 0.02



HAMLTNNY_34_KV_TB 80303	30.70 0.27 0.06	27.73 0.14 0.02	25.91 0.05 0.00	25.34 0.05 0.00	24.78 0.07 0.00	24.48 0.07 0.00	25.05 -0.05 0.00	25.68 0.03 0.00	27.99 0.08 0.03	33.99 0.13 -0.19	35.05 0.31 0.13	36.08 0.46 0.14	37.90 0.67 0.16	39.19 0.88 0.17	41.57 0.98 0.20	45.89 0.99 0.27	51.04 0.96 0.34	57.55 1.16 -1.27	56.13 1.02 -1.41	54.20 0.98 -1.90	43.19 0.67 -0.35	41.10 0.71 -0.72	36.45 0.61 0.12	34.15 0.47 0.00
HAMPSHIRE___PAPER_HYD 323593	26.87 -1.65 1.97	25.48 -1.44 0.70	24.46 -1.40 0.00	24.17 -1.11 0.00	23.59 -1.11 0.00	23.33 -1.07 0.00	24.09 -1.00 0.00	24.30 -1.36 0.00	25.57 -1.48 0.89	28.39 -1.85 3.42	28.79 -1.99 4.08	29.20 -2.04 4.52	30.00 -2.28 5.10	30.52 -2.31 5.65	31.54 -2.65 6.60	33.59 -2.98 8.59	36.08 -3.38 10.97	39.13 -3.42 12.58	51.37 -2.79 -0.46	49.89 -2.05 -0.62	40.80 -1.48 -0.11	38.35 -1.55 -0.24	30.55 -1.51 3.90	28.60 -1.62 3.47
HARDSCRABBLE_WT_PWR 323673	31.33 0.91 0.07	28.39 0.80 0.02	26.61 0.75 0.00	25.99 0.71 0.00	25.39 0.69 0.00	25.09 0.68 0.00	25.83 0.73 0.00	26.40 0.74 0.00	28.72 0.81 0.03	34.56 1.01 0.12	35.73 1.01 0.14	36.61 1.00 0.15	38.41 1.20 0.17	39.48 1.19 0.19	41.80 1.22 0.22	46.23 1.35 0.29	51.52 1.46 0.36	56.34 1.65 0.44	55.37 1.67 0.00	52.92 1.59 0.00	43.35 1.18 0.00	40.89 1.23 0.00	36.88 1.04 0.12	34.55 0.98 0.11
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	32.68 2.19 0.00	29.55 1.93 0.00	27.59 1.73 0.00	26.93 1.64 0.00	26.31 1.61 0.00	25.94 1.54 0.00	26.78 1.68 0.00	27.43 1.77 0.00	30.06 2.12 0.00	36.36 2.69 0.00	37.54 2.68 0.00	38.44 2.68 0.00	40.26 2.88 0.00	41.32 2.85 0.00	43.94 3.14 0.00	48.96 3.79 0.00	54.76 4.34 0.00	59.87 4.74 0.00	58.00 4.30 0.00	55.07 3.75 0.00	44.95 2.78 0.00	42.32 2.66 0.00	38.51 2.55 0.00	36.10 2.42 0.00
HARSNRAD_115KV_TB1 81005	30.61 0.12 0.00	27.53 -0.08 0.00	25.65 -0.21 0.00	24.96 -0.33 0.00	24.41 -0.30 0.00	24.14 -0.27 0.00	24.47 -0.63 0.00	24.89 -0.77 0.00	27.27 -0.67 0.00	32.52 -1.14 0.00	34.75 -0.10 0.00	36.08 0.32 0.00	38.36 0.97 0.00	40.17 1.69 0.00	42.92 2.12 0.00	46.61 1.45 0.00	51.28 0.86 0.00	56.12 0.99 0.00	54.13 0.43 0.00	51.53 0.21 0.00	42.08 -0.08 0.00	40.34 0.67 0.00	36.42 0.47 0.00	33.98 0.30 0.00
HARZA MOOSE___RIVER 24016	30.12 0.18 0.55	27.53 0.11 0.19	25.96 0.10 0.00	25.36 0.08 0.00	24.78 0.07 0.00	24.48 0.07 0.00	25.25 0.15 0.00	25.76 0.10 0.00	27.74 0.06 0.25	32.84 0.07 0.90	33.72 0.00 1.14	34.46 -0.04 1.26	36.07 0.11 1.42	37.05 0.15 1.58	39.04 0.08 1.84	42.77 0.00 2.40	47.41 0.05 3.06	52.36 0.44 3.21	54.84 0.75 -0.39	52.97 1.13 -0.52	43.11 0.84 -0.09	40.73 0.87 -0.20	35.48 0.61 1.08	33.07 0.34 0.94
HDSNBRDG_115KV_BRDG_TB1 355580	30.38 -0.03 0.08	27.48 -0.11 0.03	25.67 -0.18 0.00	25.11 -0.18 0.00	24.55 -0.15 0.00	24.26 -0.15 0.00	24.85 -0.25 0.00	25.45 -0.21 0.00	27.73 -0.17 0.03	33.52 -0.17 -0.02	34.63 -0.07 0.16	35.62 0.04 0.18	37.37 0.19 0.20	38.60 0.35 0.22	40.95 0.41 0.26	45.19 0.36 0.34	50.29 0.30 0.43	55.89 0.39 -0.37	54.71 0.27 -0.74	52.64 0.31 -1.01	42.44 0.08 -0.18	40.24 0.20 -0.38	35.95 0.14 0.15	33.70 0.10 0.08
HELLGATE_13_KV_LD 55870	33.11 2.62 0.00	29.85 2.24 0.00	27.85 1.99 0.00	27.23 1.95 0.00	26.53 1.83 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.86 3.20 0.00	38.07 3.21 0.00	38.94 3.18 0.00	40.67 3.29 0.00	41.59 3.12 0.00	44.15 3.35 0.00	49.00 3.84 0.00	54.60 4.18 0.00	59.65 4.52 0.00	57.78 4.08 0.00	54.75 3.44 0.01	44.95 2.78 0.00	42.40 2.74 0.00	38.87 2.91 0.00	36.57 2.90 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	33.11 2.62 0.00	29.85 2.24 0.00	27.85 1.99 0.00	27.23 1.95 0.00	26.53 1.83 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.86 3.20 0.00	38.07 3.21 0.00	38.94 3.18 0.00	40.67 3.29 0.00	41.59 3.12 0.00	44.15 3.35 0.00	49.00 3.84 0.00	54.60 4.18 0.00	59.65 4.52 0.00	57.78 4.08 0.00	54.75 3.44 0.01	44.95 2.78 0.00	42.40 2.74 0.00	38.87 2.91 0.00	36.57 2.90 0.00
HEMPSTEAD____ 23647	39.77 2.86 -6.42	38.74 2.49 -8.64	37.95 2.30 -9.79	36.36 2.17 -8.90	35.17 2.08 -8.39	36.17 2.02 -9.74	36.03 2.18 -8.75	36.82 2.39 -8.77	38.24 2.79 -7.51	38.94 3.50 -1.78	38.24 3.38 0.00	39.19 3.43 0.00	41.05 3.67 0.00	41.98 3.50 0.00	44.39 3.59 0.00	49.32 4.15 0.00	55.06 4.64 0.00	60.03 4.90 0.00	58.00 4.30 0.00	54.91 3.59 0.00	45.08 2.91 0.00	42.56 2.89 0.00	38.87 2.91 0.00	36.51 2.83 0.00
HEWLETT_69_KV_BK3 55828	40.13 3.23 -6.42	39.05 2.79 -8.64	38.18 2.53 -9.79	36.64 2.45 -8.90	35.44 2.35 -8.39	36.42 2.27 -9.74	36.30 2.46 -8.75	37.02 2.59 -8.77	38.52 3.07 -7.51	39.28 3.84 -1.78	38.66 3.80 0.00	39.69 3.93 0.00	41.50 4.11 0.00	42.48 4.00 0.00	45.00 4.20 0.00	50.13 4.97 0.00	56.02 5.60 0.00	61.08 5.95 0.00	59.07 5.37 0.00	55.94 4.62 0.00	45.88 3.71 0.00	43.35 3.69 0.00	39.44 3.49 0.00	37.01 3.33 0.00
HICKLING___1 23621	31.40 0.91 0.00	28.28 0.66 0.00	26.35 0.49 0.00	25.74 0.46 0.00	25.15 0.44 0.00	24.85 0.44 0.00	25.35 0.25 0.00	26.15 0.49 0.00	28.55 0.61 0.00	34.46 0.71 -0.09	36.18 1.32 0.00	37.40 1.64 0.00	39.51 2.13 0.00	41.09 2.62 0.00	43.74 2.94 0.00	48.10 2.94 0.00	53.39 2.97 0.00	58.99 3.36 -0.50	56.91 2.79 -0.42	54.56 2.67 -0.56	44.13 1.86 -0.10	41.94 2.06 -0.21	37.75 1.80 0.00	35.16 1.45 -0.03
HICKLING___2 23622	31.40 0.91 0.00	28.28 0.66 0.00	26.35 0.49 0.00	25.74 0.46 0.00	25.15 0.44 0.00	24.85 0.44 0.00	25.35 0.25 0.00	26.15 0.49 0.00	28.55 0.61 0.00	34.46 0.71 -0.09	36.18 1.32 0.00	37.40 1.64 0.00	39.51 2.13 0.00	41.09 2.62 0.00	43.74 2.94 0.00	48.10 2.94 0.00	53.39 2.97 0.00	58.99 3.36 -0.50	56.91 2.79 -0.42	54.56 2.67 -0.56	44.13 1.86 -0.10	41.94 2.06 -0.21	37.75 1.80 0.00	35.16 1.45 -0.03
HIGH FALLS___HY 23754	32.71 2.23 0.00	29.55 1.93 0.00	27.61 1.76 0.00	26.95 1.67 0.00	26.31 1.61 0.00	25.97 1.56 0.00	26.78 1.68 0.00	27.40 1.74 0.00	30.06 2.12 0.00	36.32 2.66 0.00	37.51 2.65 0.00	38.33 2.57 0.00	40.23 2.84 0.00	41.32 2.85 0.00	43.98 3.18 0.00	49.05 3.88 0.00	55.06 4.64 0.00	60.20 5.07 0.00	58.32 4.62 0.00	55.48 4.16 0.00	45.16 2.99 0.00	42.56 2.90 0.00	38.76 2.80 0.00	36.30 2.63 0.00
HIGH_RIVER___SOLAR 323847	32.13 1.64 0.00	29.13 1.52 0.00	27.22 1.37 0.00	26.57 1.29 0.00	25.94 1.23 0.00	25.60 1.20 0.00	26.30 1.20 0.00	26.79 1.13 0.00	29.19 1.26 0.00	35.25 1.58 0.00	36.32 1.46 0.00	37.26 1.50 0.00	39.07 1.68 0.00	40.09 1.62 0.00	42.55 1.75 0.00	47.29 2.12 0.00	52.89 2.47 0.00	58.05 2.92 0.00	56.98 3.28 0.00	54.45 3.13 0.00	44.78 2.62 0.00	42.08 2.42 0.00	37.97 2.01 0.00	35.56 1.88 0.00



HILLBURN___GT 23639	32.68 2.20 0.00	29.52 1.90 0.00	27.61 1.76 0.00	26.93 1.64 0.00	26.29 1.58 0.00	25.94 1.54 0.00	26.75 1.66 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.43 2.76 0.00	37.61 2.75 0.00	38.47 2.72 0.00	40.34 2.95 0.00	41.40 2.92 0.00	43.98 3.18 0.00	48.91 3.75 0.00	54.70 4.28 0.00	59.70 4.57 0.00	57.78 4.08 0.00	54.82 3.49 0.00	44.78 2.62 0.00	42.16 2.50 0.00	38.37 2.41 0.00	36.03 2.36 0.00
HILLSIDE_115KV_TB1 80332	30.85 0.37 0.00	27.84 0.22 0.00	25.96 0.10 0.00	25.34 0.05 0.00	24.78 0.07 0.00	24.48 0.07 0.00	25.00 -0.10 0.00	25.79 0.13 0.00	28.16 0.22 0.00	34.00 0.24 -0.10	35.66 0.80 0.00	36.83 1.07 0.00	38.88 1.50 0.00	40.36 1.89 0.00	42.96 2.16 0.00	47.33 2.17 0.00	52.49 2.07 0.00	58.01 2.37 -0.51	55.96 1.83 -0.43	53.55 1.64 -0.58	43.33 1.05 -0.11	41.15 1.27 -0.22	37.04 1.08 0.00	34.52 0.81 -0.03
HISHELDN_WT_PWR 323625	30.85 0.37 0.00	27.75 0.14 0.00	25.98 0.13 0.00	25.21 -0.08 0.00	24.65 -0.05 0.00	24.36 -0.05 0.00	25.00 -0.10 0.00	25.89 0.23 0.00	27.71 -0.22 0.00	33.23 -0.44 0.00	35.56 0.70 0.00	36.87 1.11 0.00	39.22 1.83 0.00	40.90 2.43 0.00	43.70 2.90 0.00	47.60 2.44 0.00	52.64 2.22 0.00	57.50 2.37 0.00	55.47 1.77 0.00	52.86 1.54 0.00	43.39 1.22 0.00	41.21 1.55 0.00	37.14 1.18 0.00	34.62 0.94 0.00
HOLTSVILLE_IC_1 23690	40.22 3.11 -6.63	39.11 2.84 -8.65	38.31 2.66 -9.79	36.66 2.48 -8.90	35.47 2.37 -8.39	36.47 2.32 -9.74	36.33 2.49 -8.75	37.15 2.72 -8.77	38.63 3.18 -7.51	39.40 3.90 -1.83	45.55 3.52 -7.17	128.59 3.54 -89.29	121.18 3.74 -80.06	128.72 3.58 -86.67	131.38 3.71 -86.87	142.63 4.34 -93.13	240.10 4.94 -184.73	365.14 5.18 -304.84	143.17 4.62 -84.85	135.85 3.90 -80.63	131.46 3.12 -86.17	132.01 3.01 -89.34	39.06 3.09 -0.01	36.72 3.03 -0.01
HOLTSVILLE_IC_10 23699	40.48 3.35 -6.64	39.31 3.04 -8.65	38.47 2.82 -9.79	36.79 2.60 -8.90	35.59 2.49 -8.39	36.61 2.46 -9.74	36.48 2.63 -8.75	37.30 2.87 -8.77	38.83 3.38 -7.51	39.64 4.14 -1.84	46.40 3.80 -7.74	135.89 3.83 -96.30	127.80 4.08 -86.34	135.83 3.88 -93.47	138.56 4.08 -93.68	150.34 4.74 -100.44	255.04 5.40 -199.23	389.56 5.68 -328.75	150.25 5.05 -91.51	142.64 4.36 -86.96	138.60 3.50 -92.93	139.34 3.33 -96.35	39.31 3.34 -0.01	36.95 3.27 -0.01
HOLTSVILLE_IC_2 23691	40.22 3.11 -6.63	39.11 2.84 -8.65	38.31 2.66 -9.79	36.66 2.48 -8.90	35.47 2.37 -8.39	36.47 2.32 -9.74	36.33 2.49 -8.75	37.15 2.72 -8.77	38.63 3.18 -7.51	39.40 3.90 -1.83	45.55 3.52 -7.17	128.59 3.54 -89.29	121.18 3.74 -80.06	128.72 3.58 -86.67	131.38 3.71 -86.87	142.63 4.34 -93.13	240.10 4.94 -184.73	365.14 5.18 -304.84	143.17 4.62 -84.85	135.85 3.90 -80.63	131.46 3.12 -86.17	132.01 3.01 -89.34	39.06 3.09 -0.01	36.72 3.03 -0.01
HOLTSVILLE_IC_3 23692	40.22 3.11 -6.63	39.11 2.84 -8.65	38.31 2.66 -9.79	36.66 2.48 -8.90	35.47 2.37 -8.39	36.47 2.32 -9.74	36.33 2.49 -8.75	37.15 2.72 -8.77	38.63 3.18 -7.51	39.40 3.90 -1.83	45.55 3.52 -7.17	128.59 3.54 -89.29	121.18 3.74 -80.06	128.72 3.58 -86.67	131.38 3.71 -86.87	142.63 4.34 -93.13	240.10 4.94 -184.73	365.14 5.18 -304.84	143.17 4.62 -84.85	135.85 3.90 -80.63	131.46 3.12 -86.17	132.01 3.01 -89.34	39.06 3.09 -0.01	36.72 3.03 -0.01
HOLTSVILLE_IC_4 23693	40.22 3.11 -6.63	39.11 2.84 -8.65	38.31 2.66 -9.79	36.66 2.48 -8.90	35.47 2.37 -8.39	36.47 2.32 -9.74	36.33 2.49 -8.75	37.15 2.72 -8.77	38.63 3.18 -7.51	39.40 3.90 -1.83	45.55 3.52 -7.17	128.59 3.54 -89.29	121.18 3.74 -80.06	128.72 3.58 -86.67	131.38 3.71 -86.87	142.63 4.34 -93.13	240.10 4.94 -184.73	365.14 5.18 -304.84	143.17 4.62 -84.85	135.85 3.90 -80.63	131.46 3.12 -86.17	132.01 3.01 -89.34	39.06 3.09 -0.01	36.72 3.03 -0.01
HOLTSVILLE_IC_5 23694	40.22 3.11 -6.63	39.11 2.84 -8.65	38.31 2.66 -9.79	36.66 2.48 -8.90	35.47 2.37 -8.39	36.47 2.32 -9.74	36.33 2.49 -8.75	37.15 2.72 -8.77	38.63 3.18 -7.51	39.40 3.90 -1.83	45.55 3.52 -7.17	128.59 3.54 -89.29	121.18 3.74 -80.06	128.72 3.58 -86.67	131.38 3.71 -86.87	142.63 4.34 -93.13	240.10 4.94 -184.73	365.14 5.18 -304.84	143.17 4.62 -84.85	135.85 3.90 -80.63	131.46 3.12 -86.17	132.01 3.01 -89.34	39.06 3.09 -0.01	36.72 3.03 -0.01
HOLTSVILLE_IC_6 23695	40.48 3.35 -6.64	39.31 3.04 -8.65	38.47 2.82 -9.79	36.79 2.60 -8.90	35.59 2.49 -8.39	36.61 2.46 -9.74	36.48 2.63 -8.75	37.30 2.87 -8.77	38.83 3.38 -7.51	39.64 4.14 -1.84	46.40 3.80 -7.74	135.89 3.83 -96.30	127.80 4.08 -86.34	135.83 3.88 -93.47	138.56 4.08 -93.68	150.34 4.74 -100.44	255.04 5.40 -199.23	389.56 5.68 -328.75	150.25 5.05 -91.51	142.64 4.36 -86.96	138.60 3.50 -92.93	139.34 3.33 -96.35	39.31 3.34 -0.01	36.95 3.27 -0.01
HOLTSVILLE_IC_7 23696	40.48 3.35 -6.64	39.31 3.04 -8.65	38.47 2.82 -9.79	36.79 2.60 -8.90	35.59 2.49 -8.39	36.61 2.46 -9.74	36.48 2.63 -8.75	37.30 2.87 -8.77	38.83 3.38 -7.51	39.64 4.14 -1.84	46.40 3.80 -7.74	135.89 3.83 -96.30	127.80 4.08 -86.34	135.83 3.88 -93.47	138.56 4.08 -93.68	150.34 4.74 -100.44	255.04 5.40 -199.23	389.56 5.68 -328.75	150.25 5.05 -91.51	142.64 4.36 -86.96	138.60 3.50 -92.93	139.34 3.33 -96.35	39.31 3.34 -0.01	36.95 3.27 -0.01
HOLTSVILLE_IC_8 23697	40.48 3.35 -6.64	39.31 3.04 -8.65	38.47 2.82 -9.79	36.79 2.60 -8.90	35.59 2.49 -8.39	36.61 2.46 -9.74	36.48 2.63 -8.75	37.30 2.87 -8.77	38.83 3.38 -7.51	39.64 4.14 -1.84	46.40 3.80 -7.74	135.89 3.83 -96.30	127.80 4.08 -86.34	135.83 3.88 -93.47	138.56 4.08 -93.68	150.34 4.74 -100.44	255.04 5.40 -199.23	389.56 5.68 -328.75	150.25 5.05 -91.51	142.64 4.36 -86.96	138.60 3.50 -92.93	139.34 3.33 -96.35	39.31 3.34 -0.01	36.95 3.27 -0.01
HOLTSVILLE_IC_9 23698	40.48 3.35 -6.64	39.31 3.04 -8.65	38.47 2.82 -9.79	36.79 2.60 -8.90	35.59 2.49 -8.39	36.61 2.46 -9.74	36.48 2.63 -8.75	37.30 2.87 -8.77	38.83 3.38 -7.51	39.64 4.14 -1.84	46.40 3.80 -7.74	135.89 3.83 -96.30	127.80 4.08 -86.34	135.83 3.88 -93.47	138.56 4.08 -93.68	150.34 4.74 -100.44	255.04 5.40 -199.23	389.56 5.68 -328.75	150.25 5.05 -91.51	142.64 4.36 -86.96	138.60 3.50 -92.93	139.34 3.33 -96.35	39.31 3.34 -0.01	36.95 3.27 -0.01
HOMER_HL_115KV_TB2 355744	30.79 0.30 0.00	27.70 0.08 0.00	25.80 -0.05 0.00	25.13 -0.15 0.00	24.60 -0.10 0.00	24.33 -0.07 0.00	24.77 -0.33 0.00	25.56 -0.10 0.00	27.94 0.00 0.00	33.60 -0.07 0.00	35.80 0.94 0.00	37.12 1.36 0.00	39.37 1.98 0.00	41.17 2.69 0.00	44.02 3.22 0.00	48.19 3.03 0.00	53.19 2.77 0.00	58.27 3.14 0.00	55.96 2.26 0.00	53.17 1.85 0.00	43.14 0.97 0.00	41.17 1.51 0.00	37.18 1.22 0.00	34.59 0.91 0.00
HOWARD_WT_PWR 323690	31.64 1.16 0.00	28.44 0.83 0.00	26.66 0.80 0.00	25.89 0.61 0.00	25.32 0.62 0.00	25.02 0.61 0.00	25.68 0.58 0.00	26.66 1.00 0.00	28.63 0.70 0.00	34.47 0.74 -0.07	36.46 1.60 0.00	37.76 2.00 0.00	40.08 2.69 0.00	41.59 3.12 0.00	44.35 3.55 0.00	48.60 3.43 0.00	53.85 3.43 0.00	59.35 3.86 -0.36	57.39 3.39 -0.31	55.02 3.29 -0.41	44.82 2.57 -0.08	42.55 2.73 -0.16	38.29 2.34 0.00	35.62 1.92 -0.02



HQ_GEN_CEDARS 23644	25.05 -1.40 4.03	25.05 -1.13 1.43	25.29 -0.57 0.00	24.73 -0.56 0.00	24.16 -0.54 0.00	23.89 -0.51 0.00	24.65 -0.45 0.00	25.20 -0.46 0.00	25.05 -1.06 1.82	25.05 -1.38 7.23	25.05 -1.43 8.38	25.05 -1.43 9.28	25.16 -1.76 10.47	25.13 -1.77 11.58	25.13 -2.12 13.55	25.05 -2.48 17.63	25.15 -2.77 22.50	24.94 -3.25 26.94	50.91 -2.79 0.00	49.12 -2.21 0.00	40.73 -1.43 0.00	38.00 -1.67 0.00	26.38 -1.58 8.00	24.98 -1.52 7.18
HQ_GEN_CEDARS_PROXY 323590	25.05 -1.40 4.03	25.05 -1.13 1.43	24.77 -1.08 0.00	24.73 -0.56 0.00	24.16 -0.54 0.00	23.89 -0.51 0.00	24.65 -0.45 0.00	24.66 -1.00 0.00	25.05 -1.06 1.82	25.05 -1.38 7.23	25.05 -1.43 8.38	25.05 -1.43 9.28	25.05 -1.87 10.47	25.05 -1.85 11.58	25.05 -2.20 13.55	25.05 -2.48 17.63	25.05 -2.87 22.50	25.05 -3.25 26.82	50.74 -2.85 0.11	49.12 -2.21 0.00	40.73 -1.43 0.00	38.00 -1.66 0.00	26.52 -1.44 8.00	25.05 -1.45 7.18
HQ_GEN_IMPORT 323601	29.93 -0.70 -0.15	27.09 -0.58 -0.05	25.34 -0.52 0.00	24.85 -0.43 0.00	24.28 -0.42 0.00	23.99 -0.42 0.00	24.72 -0.38 0.00	25.17 -0.49 0.00	27.47 -0.53 -0.07	33.22 -0.71 -0.26	34.43 -0.73 -0.30	35.34 -0.75 -0.33	36.79 -0.97 -0.38	37.89 -1.00 -0.42	40.15 -1.14 -0.49	44.54 -1.26 -0.64	49.77 -1.46 -0.81	54.61 -1.60 -1.08	52.14 -1.45 0.11	50.09 -1.23 0.00	41.28 -0.89 0.00	38.71 -0.95 0.00	35.47 -0.76 -0.27	33.15 -0.77 -0.24
HQ_GEN_WHEEL 23651	29.93 -0.70 -0.15	27.09 -0.58 -0.05	25.34 -0.52 0.00	24.85 -0.43 0.00	24.28 -0.42 0.00	23.99 -0.42 0.00	24.72 -0.38 0.00	25.17 -0.49 0.00	27.47 -0.53 -0.07	33.22 -0.71 -0.26	34.43 -0.73 -0.30	35.34 -0.75 -0.33	36.79 -0.97 -0.38	37.89 -1.00 -0.42	40.15 -1.14 -0.49	44.54 -1.26 -0.64	49.77 -1.46 -0.81	54.61 -1.60 -1.08	52.14 -1.45 0.11	50.09 -1.23 0.00	41.28 -0.89 0.00	38.71 -0.95 0.00	35.47 -0.76 -0.27	33.15 -0.77 -0.24
HUDSON AVE_GT_3 23810	33.01 2.53 0.00	29.80 2.18 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.79 2.13 0.00	30.53 2.60 0.00	36.90 3.23 0.00	38.14 3.28 0.00	39.01 3.25 0.00	40.82 3.44 0.00	41.75 3.27 0.00	44.31 3.51 0.00	49.32 4.16 0.00	55.06 4.64 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.17 3.85 0.00	45.20 3.04 0.00	42.60 2.93 0.00	38.94 2.98 0.00	36.51 2.83 0.00
HUDSON AVE_GT_4 23540	33.01 2.53 0.00	29.80 2.18 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.79 2.13 0.00	30.53 2.60 0.00	36.90 3.23 0.00	38.14 3.28 0.00	39.01 3.25 0.00	40.82 3.44 0.00	41.75 3.27 0.00	44.31 3.51 0.00	49.32 4.16 0.00	55.06 4.64 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.17 3.85 0.00	45.20 3.04 0.00	42.60 2.93 0.00	38.94 2.98 0.00	36.51 2.83 0.00
HUDSON AVE_GT_5 23657	33.01 2.53 0.00	29.80 2.18 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.79 2.13 0.00	30.53 2.60 0.00	36.90 3.23 0.00	38.14 3.28 0.00	39.01 3.25 0.00	40.82 3.44 0.00	41.75 3.27 0.00	44.31 3.51 0.00	49.32 4.16 0.00	55.06 4.64 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.17 3.85 0.00	45.20 3.04 0.00	42.60 2.93 0.00	38.94 2.98 0.00	36.51 2.83 0.00
HUDSON_AVE_10 24168	32.95 2.47 0.00	29.74 2.13 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.46 1.75 0.00	26.11 1.71 0.00	27.03 1.93 0.00	27.76 2.10 0.00	30.51 2.57 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.94 3.18 0.00	40.75 3.36 0.00	41.71 3.23 0.00	44.27 3.47 0.00	49.28 4.11 0.00	55.01 4.59 0.00	60.03 4.91 0.00	58.21 4.51 0.00	55.17 3.85 0.00	45.16 2.99 0.00	42.56 2.90 0.00	38.87 2.91 0.00	36.44 2.76 0.00
HUDSON___115KV_TB 4 355613	31.92 1.43 0.00	28.97 1.35 0.00	27.02 1.16 0.00	26.40 1.11 0.00	25.81 1.11 0.00	25.43 1.03 0.00	26.15 1.05 0.00	26.58 0.92 0.00	28.89 0.95 0.00	34.91 1.25 0.00	35.90 1.05 0.00	36.72 0.97 0.00	38.28 0.90 0.00	39.25 0.77 0.00	41.74 0.94 0.00	46.48 1.31 0.00	52.13 1.71 0.00	57.33 2.21 0.00	56.22 2.52 0.00	53.68 2.36 0.00	44.15 1.98 0.00	41.45 1.78 0.00	37.40 1.44 0.00	35.06 1.38 0.00
HUNTER MOUNT___DRP 323613	32.10 1.62 0.00	29.13 1.52 0.00	27.17 1.32 0.00	26.55 1.26 0.00	25.94 1.24 0.00	25.55 1.15 0.00	26.25 1.15 0.00	26.63 0.98 0.00	28.91 0.98 0.00	34.91 1.25 0.00	35.90 1.05 0.00	36.69 0.93 0.00	38.21 0.82 0.00	39.17 0.69 0.00	41.66 0.86 0.00	46.43 1.26 0.00	52.18 1.76 0.00	57.39 2.26 0.00	56.44 2.74 0.00	54.04 2.72 0.00	44.36 2.19 0.00	41.64 1.98 0.00	37.54 1.58 0.00	35.19 1.52 0.00
HUNTINGTON_RES_REC 323705	40.43 2.99 -6.96	38.84 2.60 -8.63	38.08 2.43 -9.79	36.51 2.32 -8.90	35.32 2.22 -8.39	36.32 2.17 -9.74	36.18 2.33 -8.75	36.97 2.54 -8.77	38.41 2.96 -7.51	39.27 3.67 -1.93	56.32 3.28 -18.18	265.26 3.33 -226.18	243.72 3.55 -202.78	261.39 3.39 -219.53	264.42 3.59 -220.03	285.26 4.20 -235.90	523.12 4.79 -467.91	832.31 5.07 -772.11	273.03 4.40 -214.92	259.25 3.70 -204.23	263.34 2.91 -218.27	268.69 2.73 -226.29	38.80 2.81 -0.04	36.48 2.76 -0.04
HUNTLEY___63 23557	30.67 0.18 0.00	27.56 -0.06 0.00	25.70 -0.16 0.00	25.01 -0.28 0.00	24.46 -0.25 0.00	24.19 -0.22 0.00	24.52 -0.58 0.00	24.97 -0.69 0.00	27.35 -0.59 0.00	32.76 -0.91 0.00	35.10 0.24 0.00	36.44 0.68 0.00	38.77 1.38 0.00	40.63 2.15 0.00	43.49 2.69 0.00	47.20 2.03 0.00	51.93 1.51 0.00	56.84 1.71 0.00	54.77 1.07 0.00	52.14 0.82 0.00	42.46 0.30 0.00	40.73 1.07 0.00	36.75 0.79 0.00	34.28 0.61 0.00
HUNTLEY___64 23558	30.67 0.18 0.00	27.56 -0.06 0.00	25.70 -0.16 0.00	25.01 -0.28 0.00	24.46 -0.25 0.00	24.19 -0.22 0.00	24.52 -0.58 0.00	24.97 -0.69 0.00	27.35 -0.59 0.00	32.76 -0.91 0.00	35.10 0.24 0.00	36.44 0.68 0.00	38.77 1.38 0.00	40.63 2.15 0.00	43.49 2.69 0.00	47.20 2.03 0.00	51.93 1.51 0.00	56.84 1.71 0.00	54.77 1.07 0.00	52.14 0.82 0.00	42.46 0.30 0.00	40.73 1.07 0.00	36.75 0.79 0.00	34.28 0.61 0.00
HUNTLEY___65 23559	30.67 0.18 0.00	27.56 -0.06 0.00	25.70 -0.16 0.00	25.01 -0.28 0.00	24.46 -0.25 0.00	24.19 -0.22 0.00	24.52 -0.58 0.00	24.97 -0.69 0.00	27.35 -0.59 0.00	32.76 -0.91 0.00	35.10 0.24 0.00	36.44 0.68 0.00	38.77 1.38 0.00	40.63 2.15 0.00	43.49 2.69 0.00	47.20 2.03 0.00	51.93 1.51 0.00	56.84 1.71 0.00	54.77 1.07 0.00	52.14 0.82 0.00	42.46 0.30 0.00	40.73 1.07 0.00	36.75 0.79 0.00	34.28 0.61 0.00
HUNTLEY___66 23560	30.67 0.18 0.00	27.56 -0.06 0.00	25.70 -0.16 0.00	25.01 -0.28 0.00	24.46 -0.25 0.00	24.19 -0.22 0.00	24.52 -0.58 0.00	24.97 -0.69 0.00	27.35 -0.59 0.00	32.76 -0.91 0.00	35.10 0.24 0.00	36.44 0.68 0.00	38.77 1.38 0.00	40.63 2.15 0.00	43.49 2.69 0.00	47.20 2.03 0.00	51.93 1.51 0.00	56.84 1.71 0.00	54.77 1.07 0.00	52.14 0.82 0.00	42.46 0.30 0.00	40.73 1.07 0.00	36.75 0.79 0.00	34.28 0.61 0.00



HUNTLEY___67 23561	30.48 0.00 0.00	27.42 -0.19 0.00	25.57 -0.28 0.00	24.88 -0.40 0.00	24.33 -0.37 0.00	24.06 -0.34 0.00	24.42 -0.68 0.00	24.86 -0.80 0.00	27.24 -0.70 0.00	32.62 -1.04 0.00	34.96 0.10 0.00	36.26 0.50 0.00	38.54 1.16 0.00	40.32 1.85 0.00	43.08 2.28 0.00	46.84 1.67 0.00	51.58 1.16 0.00	56.45 1.32 0.00	54.40 0.70 0.00	51.79 0.46 0.00	42.21 0.04 0.00	40.45 0.79 0.00	36.57 0.61 0.00	34.08 0.40 0.00
HUNTLEY___68 23562	30.48 0.00 0.00	27.42 -0.19 0.00	25.57 -0.28 0.00	24.88 -0.40 0.00	24.33 -0.37 0.00	24.06 -0.34 0.00	24.42 -0.68 0.00	24.86 -0.80 0.00	27.24 -0.70 0.00	32.62 -1.04 0.00	34.96 0.10 0.00	36.26 0.50 0.00	38.54 1.16 0.00	40.32 1.85 0.00	43.08 2.28 0.00	46.84 1.67 0.00	51.58 1.16 0.00	56.45 1.32 0.00	54.40 0.70 0.00	51.79 0.46 0.00	42.21 0.04 0.00	40.45 0.79 0.00	36.57 0.61 0.00	34.08 0.40 0.00
HYLAND___LFGE 323620	32.49 2.01 0.00	29.16 1.55 0.00	27.22 1.37 0.00	26.45 1.16 0.00	25.84 1.14 0.00	25.53 1.12 0.00	26.10 1.00 0.00	26.81 1.16 0.00	28.38 0.45 0.00	33.36 -0.30 0.00	34.86 0.00 0.00	36.01 0.25 0.00	38.09 0.71 0.00	38.13 -0.35 0.00	40.64 -0.16 0.00	44.58 -0.59 0.00	49.82 -0.60 0.00	55.46 0.33 0.00	54.88 1.18 0.00	53.74 2.41 0.00	44.78 2.62 0.00	42.44 2.78 0.00	39.30 3.34 0.00	36.57 2.90 0.00
INDECK___CORINTH 23802	32.10 1.61 0.00	29.13 1.52 0.00	27.22 1.37 0.00	26.57 1.29 0.00	25.94 1.23 0.00	25.60 1.20 0.00	26.28 1.18 0.00	26.76 1.10 0.00	29.25 1.31 0.00	35.48 1.82 0.00	36.25 1.40 0.00	37.15 1.39 0.00	38.95 1.57 0.00	39.86 1.38 0.00	42.27 1.47 0.00	47.11 1.94 0.00	52.69 2.27 0.00	57.77 2.65 0.00	57.30 3.60 0.00	54.61 3.29 0.00	45.12 2.95 0.00	42.32 2.66 0.00	37.97 2.01 0.00	35.60 1.92 0.00
INDECK___ILION 23567	31.03 0.61 0.07	28.14 0.55 0.02	26.32 0.47 0.00	25.74 0.46 0.00	25.17 0.47 0.00	24.87 0.46 0.00	25.58 0.48 0.00	26.12 0.46 0.00	28.44 0.53 0.03	34.22 0.67 0.12	35.42 0.70 0.14	36.29 0.68 0.15	38.00 0.79 0.17	39.06 0.77 0.19	41.44 0.86 0.22	45.83 0.95 0.29	51.11 1.06 0.36	55.90 1.21 0.44	54.94 1.24 0.00	52.50 1.18 0.00	43.05 0.89 0.00	40.53 0.87 0.00	36.59 0.76 0.12	34.24 0.67 0.11
INDECK___OLEAN 23982	30.79 0.30 0.00	27.70 0.08 0.00	25.96 0.10 0.00	25.13 -0.15 0.00	24.60 -0.10 0.00	24.31 -0.10 0.00	24.97 -0.12 0.00	26.02 0.36 0.00	27.94 0.00 0.00	33.60 -0.07 0.00	35.90 1.04 0.00	37.19 1.43 0.00	39.55 2.17 0.00	41.28 2.81 0.00	44.15 3.35 0.00	48.33 3.16 0.00	53.44 3.02 0.00	58.43 3.31 0.00	56.12 2.42 0.00	53.32 2.00 0.00	43.56 1.39 0.00	41.33 1.67 0.00	37.21 1.26 0.00	34.62 0.94 0.00
INDECK___OSWEGO 23783	29.80 -0.55 0.13	26.99 -0.58 0.05	25.31 -0.54 0.00	24.70 -0.58 0.00	24.16 -0.54 0.00	23.89 -0.51 0.00	24.50 -0.60 0.00	25.15 -0.51 0.00	27.26 -0.61 0.06	33.47 -0.74 -0.55	33.89 -0.70 0.27	34.81 -0.64 0.30	36.52 -0.52 0.34	37.64 -0.46 0.38	39.91 -0.45 0.44	43.60 -0.99 0.57	48.53 -1.16 0.73	57.06 -1.10 -3.03	55.91 -1.07 -3.29	54.79 -0.98 -4.44	42.13 -0.84 -0.81	40.99 -0.36 -1.68	35.27 -0.43 0.25	33.26 -0.44 -0.02
INDECK___YERKES 23781	30.70 0.21 0.00	27.59 -0.03 0.00	25.85 0.00 0.00	25.03 -0.25 0.00	24.48 -0.22 0.00	24.21 -0.20 0.00	24.82 -0.28 0.00	25.68 0.03 0.00	27.38 -0.56 0.00	32.79 -0.88 0.00	35.31 0.45 0.00	36.65 0.89 0.00	39.07 1.68 0.00	40.86 2.39 0.00	43.74 2.94 0.00	47.47 2.30 0.00	52.38 1.96 0.00	57.22 2.09 0.00	55.15 1.45 0.00	52.45 1.13 0.00	43.09 0.93 0.00	41.01 1.35 0.00	36.93 0.97 0.00	34.45 0.78 0.00
INDIAN POINT_GT_1 24139	32.68 2.19 0.00	29.52 1.91 0.00	27.59 1.73 0.00	26.95 1.67 0.00	26.31 1.61 0.00	25.97 1.56 0.00	26.81 1.71 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.42 2.76 0.00	37.65 2.79 0.00	38.51 2.75 0.00	40.30 2.92 0.00	41.29 2.81 0.00	43.86 3.06 0.00	48.82 3.66 0.00	54.55 4.13 0.00	59.65 4.52 0.00	57.78 4.08 0.00	54.81 3.49 0.00	44.82 2.66 0.00	42.24 2.58 0.00	38.47 2.52 0.00	36.10 2.42 0.00
INDIAN POINT_GT_2 23659	32.68 2.19 0.00	29.52 1.91 0.00	27.59 1.73 0.00	26.95 1.67 0.00	26.31 1.61 0.00	25.97 1.56 0.00	26.81 1.71 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.42 2.76 0.00	37.65 2.79 0.00	38.51 2.75 0.00	40.30 2.92 0.00	41.29 2.81 0.00	43.86 3.06 0.00	48.82 3.66 0.00	54.55 4.13 0.00	59.65 4.52 0.00	57.78 4.08 0.00	54.81 3.49 0.00	44.82 2.66 0.00	42.24 2.58 0.00	38.47 2.52 0.00	36.10 2.42 0.00
INDIAN POINT_GT_3 24019	32.68 2.19 0.00	29.52 1.91 0.00	27.59 1.73 0.00	26.95 1.67 0.00	26.31 1.61 0.00	25.97 1.56 0.00	26.81 1.71 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.42 2.76 0.00	37.65 2.79 0.00	38.51 2.75 0.00	40.30 2.92 0.00	41.29 2.81 0.00	43.86 3.06 0.00	48.82 3.66 0.00	54.55 4.13 0.00	59.65 4.52 0.00	57.78 4.08 0.00	54.81 3.49 0.00	44.82 2.66 0.00	42.24 2.58 0.00	38.47 2.52 0.00	36.10 2.42 0.00
INDIAN POINT___2 23530	32.62 2.13 0.00	29.49 1.88 0.00	27.59 1.73 0.00	26.93 1.64 0.00	26.26 1.56 0.00	25.92 1.51 0.00	26.73 1.63 0.00	27.48 1.82 0.00	30.12 2.18 0.00	36.39 2.73 0.00	37.58 2.72 0.00	38.40 2.65 0.00	40.26 2.88 0.00	41.28 2.81 0.00	43.82 3.02 0.00	48.73 3.57 0.00	54.46 4.04 0.00	59.48 4.35 0.00	57.57 3.87 0.00	54.66 3.33 0.00	44.66 2.49 0.00	42.08 2.42 0.00	38.29 2.34 0.00	36.00 2.32 0.00
INDIAN POINT___3 23531	32.62 2.13 0.00	29.49 1.88 0.00	27.54 1.68 0.00	26.93 1.64 0.00	26.26 1.56 0.00	25.92 1.51 0.00	26.76 1.66 0.00	27.45 1.80 0.00	30.09 2.15 0.00	36.36 2.69 0.00	37.54 2.68 0.00	38.44 2.68 0.00	40.23 2.84 0.00	41.21 2.73 0.00	43.78 2.98 0.00	48.73 3.57 0.00	54.45 4.03 0.00	59.48 4.36 0.00	57.62 3.92 0.00	54.66 3.34 0.00	44.74 2.57 0.00	42.12 2.46 0.00	38.40 2.45 0.00	36.00 2.32 0.00
INGHAM_C_115KV_TB7 356103	31.42 1.01 0.07	28.48 0.88 0.02	26.66 0.80 0.00	26.07 0.78 0.00	25.47 0.77 0.00	25.16 0.76 0.00	25.90 0.80 0.00	26.43 0.77 0.00	28.77 0.87 0.03	34.62 1.08 0.12	35.84 1.12 0.14	36.72 1.11 0.15	38.49 1.27 0.17	39.56 1.27 0.19	41.93 1.35 0.22	46.33 1.45 0.29	51.67 1.61 0.36	56.51 1.82 0.44	55.53 1.83 0.00	53.12 1.80 0.00	43.52 1.35 0.00	41.01 1.35 0.00	37.02 1.19 0.12	34.68 1.11 0.11
IP CORINTH___1 23988	32.28 1.80 0.00	29.30 1.68 0.00	27.28 1.42 0.00	26.70 1.42 0.00	26.09 1.38 0.00	25.72 1.32 0.00	26.43 1.33 0.00	26.97 1.31 0.00	29.42 1.48 0.00	35.68 2.02 0.00	36.46 1.60 0.00	37.33 1.57 0.00	39.14 1.76 0.00	40.05 1.58 0.00	42.47 1.67 0.00	47.38 2.21 0.00	52.99 2.57 0.00	58.10 2.98 0.00	57.62 3.92 0.00	54.92 3.59 0.00	45.41 3.25 0.00	42.60 2.93 0.00	38.33 2.37 0.00	35.83 2.16 0.00



IP___TICONDEROGA 23804	34.14 3.66 0.00	31.04 3.42 0.00	28.78 2.92 0.00	28.09 2.81 0.00	27.47 2.77 0.00	27.07 2.66 0.00	27.78 2.69 0.00	28.38 2.72 0.00	30.95 3.02 0.00	37.74 4.07 0.00	38.59 3.73 0.00	39.55 3.79 0.00	41.61 4.22 0.00	42.44 3.96 0.00	44.96 4.16 0.00	50.31 5.15 0.00	56.27 5.85 0.00	61.96 6.84 0.00	61.70 8.00 0.00	58.87 7.54 0.00	48.66 6.49 0.00	45.53 5.87 0.00	40.81 4.85 0.00	38.02 4.34 0.00
ISLIP_RES_REC 323679	40.67 3.56 -6.62	39.50 3.23 -8.65	38.62 2.97 -9.79	36.94 2.76 -8.90	35.74 2.64 -8.39	36.73 2.59 -9.74	36.60 2.76 -8.75	37.46 3.03 -8.77	39.00 3.55 -7.51	39.84 4.34 -1.83	45.98 4.08 -7.05	127.57 4.11 -87.70	120.38 4.37 -78.63	127.83 4.23 -85.12	130.56 4.45 -85.32	141.78 5.15 -91.47	237.70 5.85 -181.43	360.69 6.17 -299.39	142.57 5.53 -83.33	135.29 4.77 -79.19	130.64 3.84 -84.63	131.09 3.69 -87.74	39.60 3.63 -0.01	37.19 3.50 -0.01
JAMAICA__27_KV_LOAD 355505	33.17 2.68 0.00	29.96 2.35 0.00	27.95 2.09 0.00	27.33 2.05 0.00	26.60 1.90 0.00	26.29 1.88 0.00	27.26 2.16 0.00	28.04 2.39 0.00	30.84 2.91 0.00	37.17 3.50 0.00	38.41 3.56 0.00	39.30 3.54 0.00	41.16 3.78 0.00	42.09 3.62 0.00	44.76 3.96 0.00	49.86 4.70 0.00	55.66 5.24 0.00	60.80 5.68 0.00	58.91 5.21 0.00	55.84 4.52 0.00	45.67 3.50 0.00	42.99 3.33 0.00	39.23 3.27 0.00	36.67 3.00 0.00
JANIS___SOLAR 323808	32.28 1.80 0.00	29.08 1.46 0.00	27.17 1.32 0.00	26.52 1.24 0.00	25.91 1.21 0.00	25.60 1.20 0.00	26.35 1.25 0.00	26.45 0.80 0.00	28.58 0.64 0.00	34.44 0.61 -0.17	35.49 0.63 0.00	36.47 0.71 0.00	38.39 1.01 0.00	39.67 1.19 0.00	42.10 1.31 0.00	46.65 1.49 0.00	52.18 1.76 0.00	59.79 3.91 -0.75	58.52 4.19 -0.63	56.74 4.57 -0.85	45.90 3.58 -0.15	43.47 3.49 -0.32	38.87 2.91 0.00	36.15 2.43 -0.05
JARVIS____ 23743	30.72 0.30 0.07	27.84 0.25 0.02	26.09 0.23 0.00	25.49 0.20 0.00	24.90 0.20 0.00	24.60 0.19 0.00	25.30 0.20 0.00	25.86 0.20 0.00	28.16 0.25 0.03	33.85 0.30 0.12	35.04 0.31 0.14	35.89 0.28 0.15	37.59 0.37 0.17	38.64 0.35 0.19	40.99 0.41 0.22	45.33 0.45 0.29	50.61 0.56 0.36	55.30 0.61 0.44	54.29 0.59 0.00	51.84 0.51 0.00	42.50 0.34 0.00	40.02 0.36 0.00	36.12 0.29 0.12	33.87 0.30 0.11
JENNISON___1 23625	32.43 1.95 0.00	29.24 1.63 0.00	27.28 1.42 0.00	26.68 1.39 0.00	26.04 1.33 0.00	25.75 1.34 0.00	26.50 1.41 0.00	27.56 1.90 0.00	30.09 2.15 0.00	36.37 2.63 -0.08	37.61 2.75 0.00	38.58 2.82 0.00	40.94 3.55 0.00	42.21 3.73 0.00	44.68 3.88 0.00	49.32 4.16 0.00	55.01 4.59 0.00	60.17 4.52 -0.52	58.71 4.56 -0.44	56.69 4.77 -0.59	45.86 3.58 -0.11	43.46 3.57 -0.23	39.01 3.06 0.00	36.24 2.53 -0.03
JENNISON___2 23626	32.43 1.95 0.00	29.24 1.63 0.00	27.28 1.42 0.00	26.68 1.39 0.00	26.04 1.33 0.00	25.75 1.34 0.00	26.50 1.41 0.00	27.56 1.90 0.00	30.09 2.15 0.00	36.37 2.63 -0.08	37.61 2.75 0.00	38.58 2.82 0.00	40.94 3.55 0.00	42.21 3.73 0.00	44.68 3.88 0.00	49.32 4.16 0.00	55.01 4.59 0.00	60.17 4.52 -0.52	58.71 4.56 -0.44	56.69 4.77 -0.59	45.86 3.58 -0.11	43.46 3.57 -0.23	39.01 3.06 0.00	36.24 2.53 -0.03
JERICHO_RISE_WT_PWR 323719	29.43 -0.61 0.44	26.99 -0.47 0.16	25.44 -0.41 0.00	25.06 -0.23 0.00	24.46 -0.25 0.00	24.24 -0.17 0.00	25.02 -0.08 0.00	25.40 -0.26 0.00	27.48 -0.25 0.20	32.54 -0.34 0.79	33.63 -0.31 0.92	34.45 -0.29 1.02	35.23 -1.01 1.15	36.21 -1.00 1.27	38.01 -1.31 1.48	41.65 -1.58 1.93	45.74 -2.22 2.46	49.75 -2.42 2.95	51.71 -1.99 0.00	49.94 -1.38 0.00	41.75 -0.42 0.00	38.63 -1.03 0.00	34.41 -0.65 0.90	32.03 -0.84 0.81
KATONAH___115KV_46KV_TB4 355592	32.95 2.47 0.00	29.74 2.13 0.00	27.79 1.94 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.16 1.76 0.00	27.03 1.93 0.00	27.69 2.03 0.00	30.37 2.43 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.91 3.15 0.00	40.71 3.33 0.00	41.75 3.27 0.00	44.39 3.59 0.00	49.50 4.34 0.00	55.26 4.84 0.00	60.53 5.40 0.00	58.59 4.89 0.00	55.53 4.21 0.00	45.29 3.12 0.00	42.68 3.01 0.00	38.87 2.91 0.00	36.37 2.69 0.00
KCE_NY_1 323755	32.44 1.95 0.00	29.41 1.79 0.00	27.48 1.63 0.00	26.83 1.54 0.00	26.21 1.51 0.00	25.85 1.44 0.00	26.55 1.46 0.00	27.07 1.41 0.00	29.53 1.59 0.00	35.75 2.09 0.00	36.77 1.92 0.00	37.69 1.93 0.00	39.51 2.13 0.00	40.51 2.04 0.00	42.96 2.16 0.00	47.78 2.62 0.00	53.50 3.08 0.00	58.55 3.42 0.00	57.51 3.81 0.00	54.82 3.49 0.00	45.12 2.95 0.00	42.40 2.73 0.00	38.15 2.19 0.00	35.83 2.16 0.00
KCE_NY_6_ESR 323823	30.94 0.46 0.00	27.81 0.19 0.00	26.06 0.21 0.00	25.23 -0.05 0.00	24.68 -0.02 0.00	24.41 0.00 0.00	25.02 -0.08 0.00	25.94 0.28 0.00	27.68 -0.25 0.00	33.19 -0.47 0.00	35.69 0.84 0.00	37.04 1.29 0.00	39.44 2.05 0.00	41.25 2.77 0.00	44.15 3.35 0.00	48.01 2.85 0.00	53.04 2.62 0.00	57.88 2.76 0.00	55.79 2.09 0.00	53.07 1.75 0.00	43.52 1.35 0.00	41.37 1.70 0.00	37.29 1.33 0.00	34.75 1.08 0.00
KEDC_PORT_JEFF_GT2 24210	40.35 3.20 -6.67	39.20 2.93 -8.66	38.36 2.71 -9.79	36.71 2.53 -8.90	35.52 2.42 -8.39	36.51 2.37 -9.74	36.38 2.53 -8.75	37.20 2.77 -8.77	38.72 3.27 -7.51	39.48 3.97 -1.85	46.94 3.45 -8.63	146.50 3.36 -107.38	137.24 3.59 -96.27	146.09 3.39 -104.22	148.81 3.55 -104.46	161.23 4.07 -111.99	277.15 4.59 -222.15	426.55 4.85 -366.57	159.98 4.24 -102.04	151.88 3.59 -96.96	148.70 2.91 -103.62	149.87 2.78 -107.43	38.95 2.98 -0.01	36.72 3.03 -0.01
KEDC_PORT_JEFF_GT3 24211	40.35 3.20 -6.67	39.20 2.93 -8.66	38.36 2.71 -9.79	36.71 2.53 -8.90	35.52 2.42 -8.39	36.51 2.37 -9.74	36.38 2.53 -8.75	37.20 2.77 -8.77	38.72 3.27 -7.51	39.48 3.97 -1.85	46.94 3.45 -8.63	146.50 3.36 -107.38	137.24 3.59 -96.27	146.09 3.39 -104.22	148.81 3.55 -104.46	161.23 4.07 -111.99	277.15 4.59 -222.15	426.55 4.85 -366.57	159.98 4.24 -102.04	151.88 3.59 -96.96	148.70 2.91 -103.62	149.87 2.78 -107.43	38.95 2.98 -0.01	36.72 3.03 -0.01
KEDC_GLWD_GT4 24219	39.98 3.08 -6.42	38.91 2.65 -8.64	38.11 2.46 -9.79	36.49 2.30 -8.90	35.32 2.22 -8.39	36.29 2.15 -9.74	36.15 2.31 -8.75	36.95 2.52 -8.77	38.41 2.96 -7.51	39.18 3.74 -1.78	38.52 3.66 0.00	39.51 3.75 0.00	41.39 4.00 0.00	42.36 3.88 0.00	44.51 3.71 0.00	49.46 4.29 0.00	55.26 4.84 0.00	60.25 5.13 0.00	58.21 4.51 0.00	55.12 3.80 0.00	45.21 3.04 0.00	42.79 3.13 0.00	39.12 3.16 0.00	36.77 3.10 0.00
KEDC_GLWD_GT5 24220	39.98 3.08 -6.42	38.91 2.65 -8.64	38.11 2.46 -9.79	36.49 2.30 -8.90	35.32 2.22 -8.39	36.29 2.15 -9.74	36.15 2.31 -8.75	36.95 2.52 -8.77	38.41 2.96 -7.51	39.18 3.74 -1.78	38.52 3.66 0.00	39.51 3.75 0.00	41.39 4.00 0.00	42.36 3.88 0.00	44.51 3.71 0.00	49.46 4.29 0.00	55.26 4.84 0.00	60.25 5.13 0.00	58.21 4.51 0.00	55.12 3.80 0.00	45.21 3.04 0.00	42.79 3.13 0.00	39.12 3.16 0.00	36.77 3.10 0.00



KENSICO____ 23655	32.77 2.29 0.00	29.60 1.99 0.00	27.66 1.81 0.00	27.03 1.74 0.00	26.38 1.68 0.00	26.02 1.61 0.00	26.88 1.78 0.00	27.58 1.92 0.00	30.25 2.32 0.00	36.56 2.90 0.00	37.75 2.89 0.00	38.62 2.86 0.00	40.41 3.03 0.00	41.40 2.92 0.00	43.98 3.18 0.00	48.96 3.79 0.00	54.71 4.29 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.92 3.59 0.00	44.95 2.78 0.00	42.32 2.66 0.00	38.58 2.62 0.00	36.20 2.53 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	32.68 2.19 0.00	29.52 1.91 0.00	27.56 1.71 0.00	26.90 1.62 0.00	26.28 1.58 0.00	25.92 1.51 0.00	26.73 1.63 0.00	27.33 1.67 0.00	29.95 2.01 0.00	36.19 2.52 0.00	37.37 2.51 0.00	38.19 2.43 0.00	40.04 2.65 0.00	41.13 2.65 0.00	43.78 2.98 0.00	48.82 3.66 0.00	54.81 4.39 0.00	59.98 4.85 0.00	58.21 4.51 0.00	55.43 4.11 0.00	45.12 2.95 0.00	42.48 2.82 0.00	38.69 2.73 0.00	36.24 2.56 0.00
KIAC_JFK_GT1 23816	32.86 2.38 0.00	29.77 2.15 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.46 1.75 0.00	26.14 1.73 0.00	27.08 1.98 0.00	27.87 2.21 0.00	30.65 2.71 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.94 3.18 0.00	40.75 3.36 0.00	41.71 3.23 0.00	44.31 3.51 0.00	49.37 4.20 0.00	55.06 4.64 0.00	60.14 5.02 0.00	58.26 4.56 0.00	55.22 3.90 0.00	45.25 3.08 0.00	42.56 2.90 0.00	38.83 2.88 0.00	36.34 2.66 0.00
KIAC_JFK_GT2 23817	32.86 2.38 0.00	29.77 2.15 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.46 1.75 0.00	26.14 1.73 0.00	27.08 1.98 0.00	27.87 2.21 0.00	30.65 2.71 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.94 3.18 0.00	40.75 3.36 0.00	41.71 3.23 0.00	44.31 3.51 0.00	49.37 4.20 0.00	55.06 4.64 0.00	60.14 5.02 0.00	58.26 4.56 0.00	55.22 3.90 0.00	45.25 3.08 0.00	42.56 2.90 0.00	38.83 2.88 0.00	36.34 2.66 0.00
KIAC_JFK____ 323774	32.86 2.38 0.00	29.77 2.16 0.00	27.85 1.99 0.00	27.16 1.87 0.00	26.46 1.75 0.00	26.14 1.73 0.00	27.06 1.96 0.00	27.89 2.23 0.00	30.64 2.71 0.00	36.83 3.16 0.00	38.06 3.20 0.00	38.83 3.08 0.00	40.75 3.37 0.00	41.71 3.23 0.00	44.31 3.51 0.00	49.32 4.15 0.00	55.06 4.64 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.17 3.85 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.65 2.70 0.00	36.31 2.63 0.00
KINTIGH____ 23543	30.27 -0.21 0.00	27.26 -0.36 0.00	25.42 -0.44 0.00	24.75 -0.53 0.00	24.21 -0.49 0.00	23.94 -0.46 0.00	24.32 -0.78 0.00	24.79 -0.87 0.00	27.13 -0.81 0.00	32.52 -1.14 0.00	34.65 -0.21 0.00	35.90 0.14 0.00	38.06 0.67 0.00	39.75 1.27 0.00	42.35 1.55 0.00	46.16 0.99 0.00	50.87 0.45 0.00	55.73 0.61 0.00	53.81 0.11 0.00	51.27 -0.05 0.00	41.96 -0.21 0.00	40.06 0.40 0.00	36.21 0.25 0.00	33.78 0.10 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	30.34 0.12 0.27	27.71 0.19 0.10	26.22 0.36 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.87 0.46 0.00	25.65 0.55 0.00	26.25 0.59 0.00	28.32 0.50 0.12	33.72 0.54 0.48	34.96 0.66 0.56	35.89 0.75 0.62	37.21 0.52 0.70	38.36 0.65 0.77	40.26 0.37 0.90	43.09 -0.90 1.17	47.86 -1.06 1.50	51.46 -1.87 1.79	52.36 -1.34 0.00	50.71 -0.62 0.00	42.93 0.76 0.00	39.50 -0.16 0.00	34.93 -0.47 0.56	32.43 -0.74 0.50
LACHUTE__HYDRO 323717	34.14 3.66 0.00	31.04 3.42 0.00	28.85 3.00 0.00	28.09 2.81 0.00	27.47 2.77 0.00	27.07 2.66 0.00	27.79 2.69 0.00	28.33 2.67 0.00	30.95 3.02 0.00	37.74 4.07 0.00	38.59 3.73 0.00	39.59 3.83 0.00	41.61 4.22 0.00	42.48 4.00 0.00	45.00 4.20 0.00	50.27 5.10 0.00	56.32 5.90 0.00	61.96 6.83 0.00	61.70 8.00 0.00	58.87 7.55 0.00	48.66 6.49 0.00	45.53 5.87 0.00	40.63 4.67 0.00	37.99 4.31 0.00
LAWRNCV_115KV_TB1 80681	25.36 -1.95 3.17	24.86 -1.63 1.13	24.77 -1.09 0.00	24.25 -1.04 0.00	23.67 -1.04 0.00	23.41 -1.00 0.00	24.20 -0.90 0.00	24.71 -0.95 0.00	24.94 -1.56 1.43	26.04 -1.99 5.64	26.22 -2.06 6.59	26.36 -2.11 7.29	26.69 -2.47 8.23	26.87 -2.50 9.10	27.21 -2.94 10.65	27.92 -3.39 13.86	28.95 -3.78 17.69	29.95 -4.24 20.93	50.20 -3.71 -0.21	48.63 -2.98 -0.28	40.24 -1.98 -0.05	37.51 -2.26 -0.11	27.51 -2.16 6.29	25.96 -2.09 5.63
LEDERLE____ 23769	32.80 2.32 0.00	29.66 2.04 0.00	27.69 1.84 0.00	27.05 1.77 0.00	26.41 1.70 0.00	26.04 1.64 0.00	26.88 1.78 0.00	27.61 1.95 0.00	30.25 2.32 0.00	36.59 2.93 0.00	37.82 2.96 0.00	38.69 2.93 0.00	40.52 3.14 0.00	41.56 3.08 0.00	44.19 3.39 0.00	49.19 4.02 0.00	55.01 4.59 0.00	60.03 4.91 0.00	58.10 4.40 0.00	55.17 3.85 0.00	45.08 2.91 0.00	42.44 2.78 0.00	38.65 2.70 0.00	36.24 2.56 0.00
LIGHTHSE_115KV_TB6 355974	29.78 -0.40 0.31	27.06 -0.44 0.11	25.39 -0.47 0.00	24.83 -0.46 0.00	24.26 -0.44 0.00	23.99 -0.41 0.00	24.62 -0.48 0.00	25.17 -0.49 0.00	27.26 -0.53 0.14	32.89 -0.64 0.14	33.59 -0.63 0.64	34.44 -0.61 0.71	36.02 -0.56 0.81	37.12 -0.46 0.89	39.19 -0.57 1.04	43.00 -0.81 1.36	47.78 -0.91 1.73	54.44 -0.72 -0.03	54.93 -0.54 -1.77	53.51 -0.21 -2.39	42.35 -0.25 -0.43	40.57 0.00 -0.91	35.27 -0.07 0.61	33.06 -0.20 0.42
LINDEN COGEN____ 23786	32.80 2.32 0.00	29.60 1.99 0.00	27.69 1.84 0.00	27.01 1.72 0.00	26.33 1.63 0.00	26.02 1.61 0.00	26.86 1.76 0.00	27.63 1.98 0.00	30.34 2.40 0.00	36.66 3.00 0.00	37.86 3.00 0.00	38.69 2.93 0.00	40.49 3.10 0.00	41.40 2.92 0.00	41.82 3.14 2.12	41.82 3.66 7.00	41.77 4.08 12.74	41.77 4.30 17.66	41.76 3.92 15.85	41.82 3.33 12.84	41.44 2.49 3.22	41.24 2.46 0.88	38.51 2.55 0.00	36.23 2.56 0.00
LINDHRST_69_KV_BK1 356055	40.27 3.35 -6.44	39.21 2.95 -8.64	38.31 2.66 -9.79	36.74 2.55 -8.90	35.54 2.45 -8.39	36.54 2.39 -9.74	36.43 2.59 -8.75	37.20 2.77 -8.77	38.72 3.27 -7.51	39.45 4.01 -1.78	39.31 3.80 -0.65	47.74 3.90 -8.08	48.70 4.07 -7.24	50.13 3.81 -7.84	52.70 4.04 -7.86	58.38 4.79 -8.43	72.58 5.45 -16.72	88.50 5.79 -27.59	66.53 5.16 -7.68	63.03 4.41 -7.30	53.55 3.58 -7.80	51.36 3.61 -8.09	39.48 3.52 0.00	37.08 3.40 0.00
LIPA_MISC_IPP 23656	40.37 3.26 -6.63	39.22 2.95 -8.65	38.31 2.66 -9.79	36.69 2.50 -8.90	35.52 2.42 -8.39	36.51 2.37 -9.74	36.40 2.56 -8.75	37.18 2.75 -8.77	38.72 3.27 -7.51	39.54 4.04 -1.83	45.90 3.76 -7.28	130.24 3.90 -90.59	122.60 4.00 -81.22	130.21 3.81 -87.93	132.97 4.04 -88.13	144.43 4.79 -94.48	243.28 5.45 -187.41	370.23 5.84 -309.26	144.99 5.21 -86.08	137.59 4.47 -81.80	133.17 3.58 -87.42	133.86 3.57 -90.63	39.42 3.45 -0.01	36.99 3.30 -0.01
LISF__SOLAR 323691	40.47 3.35 -6.63	39.31 3.04 -8.65	38.44 2.79 -9.79	36.77 2.58 -8.90	35.57 2.47 -8.39	36.59 2.44 -9.74	36.45 2.61 -8.75	37.28 2.85 -8.77	38.80 3.35 -7.51	39.64 4.14 -1.83	46.11 3.87 -7.38	131.59 3.93 -91.90	123.92 4.15 -82.39	131.67 4.00 -89.19	134.40 4.20 -89.40	145.89 4.88 -95.84	246.13 5.60 -190.11	374.68 5.84 -313.72	146.34 5.32 -87.32	138.87 4.57 -82.98	134.47 3.63 -88.68	135.09 3.49 -91.94	39.42 3.45 -0.01	37.02 3.33 -0.01



LITTLE FALLS___HYD 24013	31.42 1.01 0.07	28.48 0.88 0.02	26.66 0.80 0.00	26.07 0.78 0.00	25.47 0.77 0.00	25.16 0.76 0.00	25.90 0.80 0.00	26.43 0.77 0.00	28.77 0.87 0.03	34.62 1.08 0.12	35.84 1.12 0.14	36.72 1.11 0.15	38.49 1.27 0.17	39.56 1.27 0.19	41.93 1.35 0.22	46.33 1.45 0.29	51.67 1.61 0.36	56.51 1.82 0.44	55.53 1.83 0.00	53.12 1.80 0.00	43.52 1.35 0.00	41.01 1.35 0.00	37.02 1.19 0.12	34.68 1.11 0.11
LITTLRIV_115KV_TB1 356100	25.75 -1.71 3.03	25.13 -1.41 1.08	24.98 -0.88 0.00	24.43 -0.86 0.00	23.84 -0.86 0.00	23.60 -0.81 0.00	24.40 -0.70 0.00	24.91 -0.74 0.00	25.20 -1.37 1.37	26.53 -1.75 5.38	26.72 -1.85 6.29	26.90 -1.90 6.97	27.28 -2.24 7.86	27.51 -2.27 8.70	27.93 -2.69 10.17	28.76 -3.16 13.24	29.99 -3.53 16.90	31.30 -3.86 19.97	50.70 -3.22 -0.22	49.31 -2.31 -0.30	40.79 -1.43 -0.05	38.07 -1.71 -0.11	28.19 -1.76 6.01	26.55 -1.75 5.38
LI_NEWBRDGE___DRP 323616	39.52 2.62 -6.42	38.58 2.32 -8.64	37.74 2.09 -9.79	36.23 2.05 -8.90	35.05 1.95 -8.39	36.05 1.90 -9.74	35.93 2.08 -8.75	36.66 2.23 -8.77	38.08 2.63 -7.51	38.71 3.27 -1.78	37.93 3.07 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.59 3.12 0.00	44.06 3.26 0.00	49.05 3.88 0.00	54.81 4.39 0.00	59.81 4.69 0.00	57.84 4.13 0.00	54.76 3.44 0.00	44.95 2.78 0.00	42.44 2.78 0.00	38.69 2.73 0.00	36.34 2.66 0.00
LOCKPORT_115KV_TB60_63_64 80432	30.67 0.18 0.00	27.56 -0.06 0.00	25.67 -0.18 0.00	24.98 -0.30 0.00	24.46 -0.25 0.00	24.16 -0.24 0.00	24.50 -0.60 0.00	24.94 -0.72 0.00	27.29 -0.64 0.00	32.59 -1.08 0.00	34.86 0.00 0.00	36.19 0.43 0.00	38.47 1.08 0.00	40.32 1.85 0.00	43.08 2.28 0.00	46.79 1.63 0.00	51.48 1.06 0.00	56.39 1.27 0.00	54.40 0.70 0.00	51.73 0.41 0.00	42.25 0.08 0.00	40.53 0.87 0.00	36.57 0.61 0.00	34.11 0.44 0.00
LOCKPORT___CC1 323769	30.61 0.12 0.00	27.53 -0.08 0.00	25.78 -0.08 0.00	24.96 -0.33 0.00	24.41 -0.30 0.00	24.14 -0.27 0.00	24.77 -0.33 0.00	25.61 -0.05 0.00	27.27 -0.67 0.00	32.52 -1.14 0.00	35.03 0.18 0.00	36.33 0.57 0.00	38.69 1.31 0.00	40.48 2.00 0.00	43.25 2.45 0.00	46.93 1.76 0.00	51.78 1.36 0.00	56.62 1.49 0.00	54.56 0.86 0.00	51.94 0.62 0.00	42.76 0.59 0.00	40.69 1.03 0.00	36.68 0.72 0.00	34.21 0.54 0.00
LOCKPORT___CC2 323770	30.61 0.12 0.00	27.53 -0.08 0.00	25.78 -0.08 0.00	24.96 -0.33 0.00	24.41 -0.30 0.00	24.14 -0.27 0.00	24.77 -0.33 0.00	25.61 -0.05 0.00	27.27 -0.67 0.00	32.52 -1.14 0.00	35.03 0.18 0.00	36.33 0.57 0.00	38.69 1.31 0.00	40.48 2.00 0.00	43.25 2.45 0.00	46.93 1.76 0.00	51.78 1.36 0.00	56.62 1.49 0.00	54.56 0.86 0.00	51.94 0.62 0.00	42.76 0.59 0.00	40.69 1.03 0.00	36.68 0.72 0.00	34.21 0.54 0.00
LOCKPORT___CC3 323771	30.61 0.12 0.00	27.53 -0.08 0.00	25.78 -0.08 0.00	24.96 -0.33 0.00	24.41 -0.30 0.00	24.14 -0.27 0.00	24.77 -0.33 0.00	25.61 -0.05 0.00	27.27 -0.67 0.00	32.52 -1.14 0.00	35.03 0.18 0.00	36.33 0.57 0.00	38.69 1.31 0.00	40.48 2.00 0.00	43.25 2.45 0.00	46.93 1.76 0.00	51.78 1.36 0.00	56.62 1.49 0.00	54.56 0.86 0.00	51.94 0.62 0.00	42.76 0.59 0.00	40.69 1.03 0.00	36.68 0.72 0.00	34.21 0.54 0.00
LONG_LAKE_PHOENIX 24014	30.08 -0.30 0.10	27.22 -0.36 0.04	25.47 -0.39 0.00	24.91 -0.38 0.00	24.36 -0.35 0.00	24.06 -0.34 0.00	24.65 -0.45 0.00	25.25 -0.41 0.00	27.47 -0.42 0.04	33.61 -0.47 -0.41	34.27 -0.38 0.21	35.21 -0.32 0.23	36.94 -0.19 0.26	38.12 -0.08 0.28	40.38 -0.08 0.33	44.51 -0.23 0.43	49.56 -0.30 0.55	57.20 -0.22 -2.30	55.92 -0.27 -2.49	54.53 -0.15 -3.36	42.53 -0.25 -0.61	40.86 -0.08 -1.27	35.66 -0.11 0.19	33.52 -0.17 -0.01
LOVETT___3 23632	32.62 2.13 0.00	29.47 1.85 0.00	27.51 1.65 0.00	26.90 1.62 0.00	26.23 1.53 0.00	25.89 1.49 0.00	26.73 1.63 0.00	27.45 1.80 0.00	30.09 2.15 0.00	36.36 2.69 0.00	37.54 2.68 0.00	38.44 2.68 0.00	40.23 2.84 0.00	41.25 2.77 0.00	43.82 3.02 0.00	48.78 3.61 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.62 3.92 0.00	54.66 3.34 0.00	44.74 2.57 0.00	42.12 2.46 0.00	38.40 2.45 0.00	36.00 2.32 0.00
LOVETT___4 23642	32.62 2.13 0.00	29.47 1.85 0.00	27.51 1.65 0.00	26.90 1.62 0.00	26.23 1.53 0.00	25.89 1.49 0.00	26.73 1.63 0.00	27.45 1.80 0.00	30.09 2.15 0.00	36.36 2.69 0.00	37.54 2.68 0.00	38.44 2.68 0.00	40.23 2.84 0.00	41.25 2.77 0.00	43.82 3.02 0.00	48.78 3.61 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.62 3.92 0.00	54.66 3.34 0.00	44.74 2.57 0.00	42.12 2.46 0.00	38.40 2.45 0.00	36.00 2.32 0.00
LOVETT___5 23593	32.62 2.13 0.00	29.47 1.85 0.00	27.51 1.65 0.00	26.90 1.62 0.00	26.23 1.53 0.00	25.89 1.49 0.00	26.73 1.63 0.00	27.45 1.80 0.00	30.09 2.15 0.00	36.36 2.69 0.00	37.54 2.68 0.00	38.44 2.68 0.00	40.23 2.84 0.00	41.25 2.77 0.00	43.82 3.02 0.00	48.78 3.61 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.62 3.92 0.00	54.66 3.34 0.00	44.74 2.57 0.00	42.12 2.46 0.00	38.40 2.45 0.00	36.00 2.32 0.00
LOWER RAQUET___HYD 24057	25.49 -2.10 2.90	24.79 -1.79 1.03	24.15 -1.71 0.00	24.07 -1.21 0.00	23.52 -1.19 0.00	23.26 -1.15 0.00	24.02 -1.08 0.00	24.04 -1.62 0.00	24.89 -1.73 1.31	26.37 -2.16 5.14	26.58 -2.27 6.02	26.77 -2.32 6.66	27.06 -2.80 7.52	27.31 -2.85 8.32	27.77 -3.30 9.73	28.80 -3.70 12.66	30.03 -4.24 16.16	31.44 -4.63 19.06	49.91 -4.03 -0.24	48.46 -3.18 -0.32	40.03 -2.19 -0.06	37.36 -2.42 -0.12	28.02 -2.19 5.74	26.35 -2.19 5.14
LOWER___HUDSON 24059	31.92 1.43 0.00	28.94 1.33 0.00	27.10 1.24 0.00	26.45 1.16 0.00	25.84 1.14 0.00	25.48 1.07 0.00	26.20 1.10 0.00	26.69 1.03 0.00	29.11 1.17 0.00	35.18 1.52 0.00	36.18 1.32 0.00	37.08 1.32 0.00	38.80 1.42 0.00	39.79 1.31 0.00	42.23 1.43 0.00	46.84 1.67 0.00	52.54 2.12 0.00	57.44 2.31 0.00	56.06 2.36 0.00	53.43 2.11 0.00	43.94 1.77 0.00	41.33 1.67 0.00	37.29 1.33 0.00	35.09 1.41 0.00
LOWVILLE_115KV_TB2 356335	29.35 -0.30 0.83	27.02 -0.30 0.29	25.60 -0.26 0.00	25.01 -0.28 0.00	24.43 -0.27 0.00	24.16 -0.24 0.00	24.90 -0.20 0.00	25.40 -0.26 0.00	27.17 -0.39 0.37	31.80 -0.50 1.36	32.51 -0.63 1.72	33.18 -0.68 1.90	34.64 -0.60 2.15	35.52 -0.58 2.38	37.29 -0.73 2.78	40.65 -0.90 3.62	44.85 -0.96 4.62	49.63 -0.61 4.89	54.12 -0.11 -0.53	52.50 0.46 -0.72	42.64 0.34 -0.13	40.29 0.36 -0.27	34.43 0.11 1.64	32.11 -0.13 1.43
LUTHERFT_115KV_GLOB_FND_222 355753	32.40 1.92 0.00	29.41 1.79 0.00	27.41 1.55 0.00	26.80 1.52 0.00	26.18 1.48 0.00	25.82 1.42 0.00	26.55 1.46 0.00	27.07 1.41 0.00	29.50 1.56 0.00	35.72 2.05 0.00	36.74 1.88 0.00	37.65 1.90 0.00	39.48 2.09 0.00	40.44 1.96 0.00	42.92 2.12 0.00	47.74 2.57 0.00	53.45 3.03 0.00	58.54 3.42 0.00	57.46 3.76 0.00	54.76 3.44 0.00	45.12 2.95 0.00	42.36 2.70 0.00	38.26 2.30 0.00	35.83 2.16 0.00



LUTHERNY_35_KV_BK2 355980	32.43 1.95 0.00	29.41 1.79 0.00	27.43 1.58 0.00	26.83 1.54 0.00	26.21 1.51 0.00	25.85 1.44 0.00	26.55 1.46 0.00	27.07 1.41 0.00	29.53 1.59 0.00	35.75 2.09 0.00	36.78 1.92 0.00	37.69 1.93 0.00	39.51 2.13 0.00	40.48 2.00 0.00	42.96 2.16 0.00	47.79 2.62 0.00	53.50 3.08 0.00	58.60 3.47 0.00	57.51 3.81 0.00	54.81 3.49 0.00	45.16 2.99 0.00	42.40 2.74 0.00	38.26 2.30 0.00	35.87 2.19 0.00
LWR___OSWEGATCHIE_HYD 23850	26.87 -1.65 1.97	25.48 -1.44 0.70	24.72 -1.14 0.00	24.17 -1.11 0.00	23.59 -1.11 0.00	23.33 -1.07 0.00	24.09 -1.00 0.00	24.58 -1.08 0.00	25.57 -1.48 0.89	28.39 -1.85 3.42	28.79 -1.99 4.08	29.20 -2.04 4.52	30.08 -2.21 5.10	30.60 -2.23 5.65	31.63 -2.57 6.60	33.59 -2.98 8.59	36.18 -3.28 10.97	39.18 -3.36 12.58	51.37 -2.79 -0.46	49.89 -2.05 -0.62	40.81 -1.48 -0.11	38.35 -1.55 -0.24	30.48 -1.58 3.90	28.56 -1.65 3.47
LYONS_FALL_HYD 23570	30.12 0.18 0.55	27.53 0.11 0.19	25.93 0.08 0.00	25.36 0.08 0.00	24.78 0.07 0.00	24.48 0.07 0.00	25.25 0.15 0.00	25.74 0.08 0.00	27.74 0.06 0.25	32.84 0.07 0.90	33.72 0.00 1.14	34.46 -0.04 1.26	36.07 0.11 1.42	37.06 0.15 1.58	39.04 0.08 1.84	42.77 0.00 2.40	47.41 0.05 3.06	52.36 0.44 3.21	54.84 0.75 -0.39	52.97 1.13 -0.52	43.15 0.89 -0.09	40.73 0.87 -0.20	35.45 0.57 1.08	33.07 0.34 0.94
MADISON___COUNTY_LFGE 323628	31.32 1.01 0.17	28.38 0.83 0.06	26.55 0.70 0.00	25.97 0.68 0.00	25.35 0.64 0.00	25.06 0.66 0.00	25.75 0.65 0.00	26.33 0.67 0.00	28.61 0.75 0.08	34.36 0.91 0.21	35.45 0.94 0.35	36.34 0.97 0.38	38.22 1.27 0.43	39.35 1.35 0.48	41.67 1.43 0.56	45.97 1.54 0.73	51.21 1.71 0.93	56.70 2.21 0.63	56.42 2.31 -0.41	54.33 2.46 -0.55	44.12 1.86 -0.10	41.69 1.82 -0.21	37.14 1.51 0.33	34.66 1.25 0.26
MALONE___115KV_TB1 356076	28.66 -0.76 1.06	26.66 -0.58 0.38	25.54 -0.31 0.00	24.98 -0.30 0.00	24.41 -0.30 0.00	24.16 -0.24 0.00	24.97 -0.13 0.00	25.56 -0.10 0.00	27.09 -0.36 0.48	31.26 -0.50 1.90	32.21 -0.45 2.20	32.90 -0.43 2.43	33.93 -0.71 2.75	34.78 -0.65 3.04	36.27 -0.98 3.55	38.78 -1.76 4.63	42.55 -1.97 5.90	45.52 -2.54 7.07	51.71 -1.99 0.00	50.09 -1.23 0.00	41.96 -0.21 0.00	38.75 -0.91 0.00	32.76 -1.08 2.12	30.56 -1.21 1.90
MAPLEWOD_115KV_TB3 80458	31.73 1.25 0.00	28.78 1.16 0.00	26.89 1.03 0.00	26.30 1.01 0.00	25.69 0.99 0.00	25.33 0.93 0.00	26.08 0.98 0.00	26.58 0.92 0.00	28.97 1.03 0.00	35.01 1.35 0.00	36.08 1.22 0.00	36.94 1.18 0.00	38.62 1.23 0.00	39.59 1.12 0.00	42.06 1.26 0.00	46.75 1.58 0.00	52.34 1.92 0.00	57.28 2.15 0.00	55.90 2.20 0.00	53.22 1.90 0.00	43.77 1.60 0.00	41.13 1.47 0.00	37.22 1.26 0.00	34.92 1.25 0.00
MAPLE_RIDGE_WT_1 323574	29.95 -0.67 -0.14	27.08 -0.58 -0.05	25.31 -0.54 0.00	24.85 -0.43 0.00	24.26 -0.44 0.00	23.99 -0.42 0.00	24.72 -0.38 0.00	25.20 -0.46 0.00	27.53 -0.48 -0.06	33.31 -0.60 -0.25	34.53 -0.63 -0.29	35.44 -0.64 -0.33	36.89 -0.86 -0.37	37.96 -0.92 -0.41	40.22 -1.06 -0.48	44.57 -1.22 -0.62	49.75 -1.46 -0.79	54.53 -1.54 -0.95	52.36 -1.34 0.00	50.86 -0.46 0.00	41.83 -0.34 0.00	39.27 -0.40 0.00	35.71 -0.39 -0.15	33.41 -0.40 -0.13
MAPLE_RIDGE_WT_2 323611	29.95 -0.67 -0.14	27.08 -0.58 -0.05	25.31 -0.54 0.00	24.85 -0.43 0.00	24.26 -0.44 0.00	23.99 -0.42 0.00	24.72 -0.38 0.00	25.20 -0.46 0.00	27.53 -0.48 -0.06	33.31 -0.60 -0.25	34.53 -0.63 -0.29	35.44 -0.64 -0.33	36.89 -0.86 -0.37	37.96 -0.92 -0.41	40.22 -1.06 -0.48	44.57 -1.22 -0.62	49.75 -1.46 -0.79	54.53 -1.54 -0.95	52.36 -1.34 0.00	50.86 -0.46 0.00	41.83 -0.34 0.00	39.27 -0.40 0.00	35.71 -0.39 -0.15	33.41 -0.40 -0.13
MARBLE_RIVER_WT_PWR 323696	29.91 -0.40 0.18	27.28 -0.28 0.06	25.62 -0.23 0.00	25.21 -0.08 0.00	24.63 -0.07 0.00	24.41 0.00 0.00	25.20 0.10 0.00	25.58 -0.08 0.00	27.83 -0.03 0.08	33.28 -0.07 0.32	34.45 -0.03 0.37	35.35 0.00 0.41	36.13 -0.79 0.46	37.19 -0.77 0.51	39.14 -1.06 0.60	42.98 -1.40 0.78	47.31 -2.12 1.00	51.67 -2.26 1.19	51.87 -1.83 0.00	50.09 -1.23 0.00	42.00 -0.17 0.00	38.83 -0.83 0.00	35.22 -0.36 0.38	32.69 -0.64 0.34
MARSHVLE_115KV_TB1 80742	32.92 2.44 0.00	29.85 2.24 0.00	27.74 1.89 0.00	27.11 1.82 0.00	26.48 1.78 0.00	26.09 1.68 0.00	26.71 1.61 0.00	26.99 1.33 0.00	29.25 1.31 0.00	35.31 1.65 0.00	36.39 1.53 0.00	37.37 1.61 0.00	39.29 1.91 0.00	40.32 1.85 0.00	42.76 1.96 0.00	47.65 2.48 0.00	53.09 2.67 0.00	58.71 3.58 0.00	58.80 5.10 0.00	56.56 5.23 0.00	46.47 4.30 0.00	43.67 4.01 0.00	39.44 3.49 0.00	36.67 3.00 0.00
MARSH_HILL_WT_PWR 323713	31.61 1.13 0.00	28.42 0.80 0.00	26.63 0.77 0.00	25.87 0.58 0.00	25.29 0.59 0.00	24.99 0.58 0.00	25.65 0.55 0.00	26.63 0.97 0.00	28.61 0.67 0.00	34.40 0.67 -0.06	36.43 1.57 0.00	37.69 1.93 0.00	40.00 2.62 0.00	41.52 3.04 0.00	44.27 3.47 0.00	48.51 3.34 0.00	53.75 3.33 0.00	59.22 3.75 -0.34	57.26 3.28 -0.29	54.89 3.18 -0.39	44.73 2.49 -0.07	42.47 2.66 -0.15	38.22 2.27 0.00	35.58 1.88 -0.02
MCINTYRE_115KV_TB2 80467	25.90 -1.34 3.24	25.39 -1.08 1.15	25.29 -0.57 0.00	24.73 -0.56 0.00	24.13 -0.57 0.00	23.87 -0.54 0.00	24.70 -0.40 0.00	25.17 -0.49 0.00	25.38 -1.09 1.47	26.45 -1.45 5.77	26.59 -1.53 6.74	26.73 -1.57 7.46	27.06 -1.91 8.42	27.20 -1.96 9.31	27.58 -2.33 10.89	28.23 -2.76 14.18	29.25 -3.08 18.09	30.11 -3.36 21.66	51.07 -2.63 0.00	49.63 -1.69 0.00	41.24 -0.93 0.00	38.43 -1.23 0.00	28.23 -1.29 6.43	26.56 -1.35 5.77
MECO_____69_KV_BK1 80468	34.51 4.02 0.00	31.32 3.70 0.00	28.98 3.13 0.00	28.32 3.03 0.00	27.67 2.96 0.00	27.26 2.86 0.00	28.01 2.91 0.00	28.61 2.95 0.00	31.23 3.30 0.00	37.91 4.24 0.00	38.97 4.11 0.00	40.05 4.29 0.00	42.28 4.90 0.00	43.29 4.81 0.00	46.02 5.22 0.00	51.49 6.32 0.00	57.68 7.26 0.00	63.73 8.60 0.00	63.53 9.83 0.00	60.25 8.93 0.00	49.42 7.25 0.00	46.32 6.66 0.00	41.60 5.65 0.00	38.56 4.88 0.00
MENANDS___115KV_TB5 355628	31.52 1.04 0.00	28.58 0.97 0.00	26.73 0.88 0.00	26.14 0.86 0.00	25.54 0.84 0.00	25.19 0.78 0.00	25.93 0.83 0.00	26.43 0.77 0.00	28.80 0.87 0.00	34.81 1.14 0.00	35.87 1.01 0.00	36.69 0.93 0.00	38.36 0.97 0.00	39.32 0.85 0.00	41.74 0.94 0.00	46.39 1.22 0.00	51.93 1.51 0.00	56.78 1.65 0.00	55.37 1.66 0.00	52.76 1.44 0.00	43.39 1.22 0.00	40.77 1.11 0.00	36.89 0.93 0.00	34.65 0.98 0.00
MG INDUSTRY___DRP 24185	31.55 1.07 0.00	28.61 0.99 0.00	26.73 0.88 0.00	26.17 0.88 0.00	25.54 0.84 0.00	25.21 0.81 0.00	25.93 0.83 0.00	26.43 0.77 0.00	28.72 0.78 0.00	34.64 0.98 0.00	35.70 0.84 0.00	36.51 0.75 0.00	37.94 0.56 0.00	38.94 0.46 0.00	41.33 0.53 0.00	45.98 0.81 0.00	51.53 1.11 0.00	56.45 1.32 0.00	55.15 1.45 0.00	52.66 1.33 0.00	43.35 1.18 0.00	40.73 1.07 0.00	36.86 0.90 0.00	34.62 0.94 0.00



MID___OSWEGATCHIE_HYD 23849	26.87 -1.65 1.97	25.48 -1.44 0.70	24.72 -1.14 0.00	24.17 -1.11 0.00	23.59 -1.11 0.00	23.33 -1.07 0.00	24.09 -1.00 0.00	24.58 -1.08 0.00	25.57 -1.48 0.89	28.39 -1.85 3.42	28.79 -1.99 4.08	29.20 -2.04 4.52	30.08 -2.21 5.10	30.60 -2.23 5.65	31.63 -2.57 6.60	33.59 -2.98 8.59	36.18 -3.28 10.97	39.18 -3.36 12.58	51.37 -2.79 -0.46	49.89 -2.05 -0.62	40.81 -1.48 -0.11	38.35 -1.55 -0.24	30.48 -1.58 3.90	28.56 -1.65 3.47
MID___RAQUETTE_HYD 23851	25.49 -2.10 2.90	24.79 -1.79 1.03	24.61 -1.24 0.00	24.07 -1.21 0.00	23.52 -1.19 0.00	23.26 -1.15 0.00	24.04 -1.05 0.00	24.56 -1.10 0.00	24.89 -1.73 1.31	26.37 -2.15 5.14	26.58 -2.27 6.02	26.77 -2.32 6.66	27.18 -2.69 7.52	27.43 -2.73 8.32	27.89 -3.18 9.73	28.80 -3.70 12.66	30.13 -4.13 16.16	31.49 -4.58 19.06	49.91 -4.03 -0.24	48.46 -3.18 -0.32	40.03 -2.19 -0.06	37.36 -2.42 -0.12	27.88 -2.34 5.74	26.25 -2.29 5.14
MILLIKEN___1 23584	31.46 0.98 0.00	28.36 0.75 0.00	26.45 0.59 0.00	25.87 0.58 0.00	25.30 0.59 0.00	24.99 0.59 0.00	25.60 0.50 0.00	26.20 0.54 0.00	28.53 0.61 0.02	34.47 0.71 -0.10	35.63 0.87 0.10	36.68 1.04 0.11	38.53 1.27 0.13	39.84 1.50 0.14	42.26 1.63 0.17	46.71 1.76 0.22	52.01 1.87 0.28	58.28 2.48 -0.67	57.01 2.47 -0.84	55.03 2.57 -1.14	44.27 1.90 -0.21	41.96 1.86 -0.43	37.57 1.62 0.00	35.12 1.38 -0.06
MILLIKEN___2 23585	31.46 0.98 0.00	28.36 0.75 0.00	26.45 0.59 0.00	25.87 0.58 0.00	25.30 0.59 0.00	24.99 0.59 0.00	25.60 0.50 0.00	26.20 0.54 0.00	28.53 0.61 0.02	34.47 0.71 -0.10	35.63 0.87 0.10	36.68 1.04 0.11	38.53 1.27 0.13	39.84 1.50 0.14	42.26 1.63 0.17	46.71 1.76 0.22	52.01 1.87 0.28	58.28 2.48 -0.67	57.01 2.47 -0.84	55.03 2.57 -1.14	44.27 1.90 -0.21	41.96 1.86 -0.43	37.57 1.62 0.00	35.12 1.38 -0.06
MILLIKEN___DIESEL 23629	31.46 0.98 0.00	28.36 0.75 0.00	26.45 0.59 0.00	25.87 0.58 0.00	25.30 0.59 0.00	24.99 0.59 0.00	25.60 0.50 0.00	26.20 0.54 0.00	28.53 0.61 0.02	34.47 0.71 -0.10	35.63 0.87 0.10	36.68 1.04 0.11	38.53 1.27 0.13	39.84 1.50 0.14	42.26 1.63 0.17	46.71 1.76 0.22	52.01 1.87 0.28	58.28 2.48 -0.67	57.01 2.47 -0.84	55.03 2.57 -1.14	44.27 1.90 -0.21	41.96 1.86 -0.43	37.57 1.62 0.00	35.12 1.38 -0.06
MILLSEAT___LFGE 323607	31.19 0.70 0.00	28.00 0.39 0.00	26.19 0.34 0.00	25.39 0.10 0.00	24.83 0.12 0.00	24.53 0.12 0.00	25.17 0.08 0.00	26.02 0.36 0.00	27.74 -0.19 0.00	33.16 -0.50 0.00	35.59 0.73 0.00	36.94 1.18 0.00	39.33 1.94 0.00	41.06 2.58 0.00	43.86 3.06 0.00	47.69 2.53 0.00	52.69 2.27 0.00	57.77 2.65 0.00	55.85 2.15 0.00	53.17 1.84 0.00	43.86 1.69 0.00	41.64 1.98 0.00	37.43 1.47 0.00	34.92 1.25 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	32.71 2.23 0.00	29.55 1.93 0.00	27.61 1.76 0.00	26.98 1.69 0.00	26.33 1.63 0.00	25.97 1.56 0.00	26.83 1.73 0.00	27.53 1.87 0.00	30.17 2.23 0.00	36.46 2.79 0.00	37.65 2.79 0.00	38.55 2.79 0.00	40.30 2.92 0.00	41.32 2.85 0.00	43.86 3.06 0.00	48.82 3.66 0.00	54.55 4.13 0.00	59.59 4.47 0.00	57.78 4.08 0.00	54.81 3.49 0.00	44.87 2.70 0.00	42.24 2.58 0.00	38.51 2.55 0.00	36.10 2.42 0.00
MILLWOOD_13_KV_LOAD 356217	32.86 2.38 0.00	29.66 2.04 0.00	27.72 1.86 0.00	27.08 1.80 0.00	26.41 1.70 0.00	26.09 1.68 0.00	26.93 1.83 0.00	27.63 1.98 0.00	30.28 2.35 0.00	36.63 2.96 0.00	37.82 2.96 0.00	38.73 2.97 0.00	40.52 3.14 0.00	41.56 3.08 0.00	44.15 3.35 0.00	49.19 4.02 0.00	54.91 4.49 0.00	60.03 4.91 0.00	58.16 4.46 0.00	55.17 3.85 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.69 2.73 0.00	36.27 2.59 0.00
MODEL_CITY_ENERGY 24167	30.36 -0.12 0.00	27.31 -0.30 0.00	25.57 -0.28 0.00	24.75 -0.53 0.00	24.23 -0.47 0.00	23.94 -0.46 0.00	24.57 -0.53 0.00	25.40 -0.26 0.00	27.04 -0.90 0.00	32.32 -1.35 0.00	34.79 -0.07 0.00	36.12 0.36 0.00	38.43 1.05 0.00	40.17 1.69 0.00	42.92 2.12 0.00	46.61 1.44 0.00	51.43 1.01 0.00	56.17 1.04 0.00	54.18 0.48 0.00	51.58 0.26 0.00	42.47 0.30 0.00	40.41 0.75 0.00	36.42 0.47 0.00	34.01 0.34 0.00
MODERN_LFGE___ 323580	30.36 -0.12 0.00	27.31 -0.30 0.00	25.57 -0.28 0.00	24.75 -0.53 0.00	24.23 -0.47 0.00	23.94 -0.46 0.00	24.57 -0.53 0.00	25.40 -0.26 0.00	27.04 -0.90 0.00	32.32 -1.35 0.00	34.79 -0.07 0.00	36.12 0.36 0.00	38.43 1.05 0.00	40.17 1.69 0.00	42.92 2.12 0.00	46.61 1.44 0.00	51.43 1.01 0.00	56.17 1.04 0.00	54.18 0.48 0.00	51.58 0.26 0.00	42.47 0.30 0.00	40.41 0.75 0.00	36.42 0.47 0.00	34.01 0.34 0.00
MOHAWK_PAPER___DRP 24187	31.73 1.25 0.00	28.78 1.16 0.00	26.89 1.03 0.00	26.30 1.01 0.00	25.69 0.99 0.00	25.33 0.93 0.00	26.08 0.98 0.00	26.58 0.92 0.00	28.97 1.03 0.00	35.01 1.35 0.00	36.08 1.22 0.00	36.94 1.18 0.00	38.62 1.23 0.00	39.59 1.12 0.00	42.06 1.26 0.00	46.75 1.58 0.00	52.34 1.92 0.00	57.28 2.15 0.00	55.90 2.20 0.00	53.22 1.90 0.00	43.77 1.60 0.00	41.13 1.47 0.00	37.22 1.26 0.00	34.92 1.25 0.00
MOHICAN___35_KV_115KV_LD 80490	32.59 2.10 0.00	29.55 1.93 0.00	27.54 1.68 0.00	26.93 1.64 0.00	26.28 1.58 0.00	25.94 1.54 0.00	26.65 1.56 0.00	27.17 1.51 0.00	29.64 1.70 0.00	35.95 2.29 0.00	36.81 1.95 0.00	37.69 1.93 0.00	39.55 2.17 0.00	40.44 1.96 0.00	42.92 2.12 0.00	47.83 2.66 0.00	53.55 3.13 0.00	58.71 3.58 0.00	58.10 4.40 0.00	55.38 4.05 0.00	45.75 3.58 0.00	42.95 3.29 0.00	38.65 2.70 0.00	36.13 2.46 0.00
MONGAUP___HYD 23641	32.56 2.07 0.00	29.47 1.85 0.00	27.56 1.71 0.00	26.85 1.57 0.00	26.21 1.51 0.00	25.87 1.46 0.00	26.63 1.53 0.00	27.20 1.54 0.00	29.73 1.79 0.00	35.85 2.19 0.00	37.02 2.16 0.00	37.58 1.82 0.00	39.40 2.02 0.00	40.48 2.00 0.00	43.04 2.24 0.00	48.24 3.07 0.00	54.20 3.78 0.00	59.37 4.25 0.00	57.78 4.08 0.00	55.12 3.80 0.00	44.91 2.74 0.00	42.32 2.66 0.00	38.37 2.41 0.00	36.00 2.32 0.00
MONTAUK___DIESEL 23721	41.44 4.33 -6.63	40.11 3.84 -8.65	39.11 3.46 -9.79	37.42 3.24 -8.90	36.31 3.21 -8.39	37.34 3.20 -9.74	37.28 3.44 -8.75	38.10 3.67 -8.77	39.89 4.44 -7.51	41.25 5.76 -1.83	48.18 6.00 -7.32	133.08 6.19 -91.14	125.34 6.24 -81.71	132.98 6.04 -88.46	135.82 6.36 -88.66	147.76 7.54 -95.05	247.59 8.62 -188.54	375.52 9.26 -311.13	148.73 8.43 -86.60	140.90 7.29 -82.29	135.94 5.82 -87.95	136.63 5.79 -91.18	41.29 5.32 -0.01	38.70 5.02 -0.01
MOONROAD_115KV_HARTFLD_TB1-2 355988	31.89 1.40 0.00	28.61 0.99 0.00	26.68 0.83 0.00	25.97 0.68 0.00	25.39 0.69 0.00	25.14 0.73 0.00	25.55 0.45 0.00	26.27 0.62 0.00	28.75 0.81 0.00	34.57 0.91 0.00	37.05 2.20 0.00	38.44 2.68 0.00	40.86 3.48 0.00	42.86 4.39 0.00	45.98 5.18 0.00	50.09 4.92 0.00	55.21 4.79 0.00	60.36 5.24 0.00	58.16 4.46 0.00	55.22 3.90 0.00	44.74 2.57 0.00	42.83 3.17 0.00	38.58 2.62 0.00	35.87 2.19 0.00



MORTIMER_115KV_TB3 55949	30.76 0.27 0.00	27.70 0.08 0.00	25.80 -0.05 0.00	25.16 -0.13 0.00	24.60 -0.10 0.00	24.33 -0.07 0.00	24.80 -0.30 0.00	25.30 -0.36 0.00	27.68 -0.25 0.00	33.26 -0.40 0.00	35.17 0.31 0.00	36.40 0.64 0.00	38.47 1.08 0.00	40.02 1.54 0.00	42.55 1.75 0.00	46.61 1.45 0.00	51.58 1.16 0.00	56.62 1.49 0.00	54.88 1.18 0.00	52.30 0.98 0.00	42.88 0.72 0.00	40.73 1.07 0.00	36.75 0.79 0.00	34.32 0.64 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	32.95 2.47 0.00	29.77 2.15 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.42 2.49 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.87 3.11 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.40 2.73 0.00
MUNSVILLE_WIND_PWR 323609	33.26 2.77 0.00	29.96 2.35 0.00	27.98 2.12 0.00	27.31 2.02 0.00	26.65 1.95 0.00	26.36 1.95 0.00	27.26 2.16 0.00	29.12 3.46 0.00	31.57 3.63 0.00	38.19 4.44 -0.08	39.39 4.53 0.00	40.34 4.58 0.00	43.18 5.79 0.00	44.44 5.96 0.00	46.92 6.12 0.00	51.67 6.51 0.00	57.68 7.26 0.00	61.83 6.06 -0.63	60.67 6.44 -0.53	58.97 6.93 -0.72	47.65 5.36 -0.13	45.17 5.23 -0.27	40.34 4.39 0.00	37.39 3.67 -0.04
N SALMON___HYD 24042	28.66 -0.76 1.06	26.66 -0.58 0.38	25.31 -0.54 0.00	24.98 -0.30 0.00	24.41 -0.30 0.00	24.16 -0.24 0.00	24.97 -0.12 0.00	25.30 -0.36 0.00	27.09 -0.36 0.48	31.26 -0.50 1.90	32.21 -0.45 2.20	32.90 -0.43 2.43	33.55 -1.09 2.75	34.40 -1.04 3.04	35.86 -1.39 3.55	38.78 -1.76 4.63	42.20 -2.32 5.90	45.53 -2.53 7.07	51.71 -1.99 0.00	50.09 -1.23 0.00	41.96 -0.21 0.00	38.75 -0.91 0.00	33.16 -0.68 2.12	30.90 -0.88 1.90
N.AKRON__115KV_KNAPP 355671	31.18 0.70 0.00	28.00 0.39 0.00	26.09 0.23 0.00	25.39 0.10 0.00	24.83 0.12 0.00	24.55 0.15 0.00	24.92 -0.18 0.00	25.38 -0.28 0.00	27.77 -0.17 0.00	33.16 -0.50 0.00	35.42 0.56 0.00	36.76 1.00 0.00	39.03 1.64 0.00	40.86 2.39 0.00	43.66 2.86 0.00	47.47 2.30 0.00	52.29 1.87 0.00	57.44 2.32 0.00	55.47 1.77 0.00	52.86 1.54 0.00	43.22 1.05 0.00	41.37 1.71 0.00	37.25 1.29 0.00	34.75 1.08 0.00
N.BELMOR_69_KV_BK1 55787	39.95 3.05 -6.42	38.91 2.65 -8.64	38.03 2.38 -9.79	36.49 2.30 -8.90	35.29 2.20 -8.39	36.29 2.15 -9.74	36.15 2.31 -8.75	36.92 2.49 -8.77	38.38 2.93 -7.51	39.11 3.67 -1.78	38.41 3.56 0.00	39.48 3.72 0.00	41.23 3.85 0.00	42.13 3.66 0.00	44.63 3.84 0.00	49.59 4.43 0.00	55.36 4.94 0.00	60.36 5.24 0.00	58.32 4.62 0.00	55.22 3.90 0.00	45.50 3.33 0.00	43.03 3.37 0.00	39.19 3.24 0.00	36.77 3.10 0.00
N.E_GEN_SANDY PD 24062	32.07 1.58 0.00	29.14 1.49 -0.03	28.70 1.42 -1.42	27.00 1.34 -0.38	26.35 1.28 -0.36	25.65 1.24 0.00	26.38 1.28 0.00	26.89 1.23 0.00	29.36 1.42 0.00	35.45 1.78 0.00	36.50 1.64 0.00	37.33 1.57 0.00	39.03 1.64 0.00	40.02 1.54 0.00	42.51 1.71 0.00	47.15 1.99 0.00	52.89 2.47 0.00	57.83 2.59 -0.11	56.01 2.42 0.11	53.38 2.06 0.00	43.81 1.64 0.00	41.25 1.59 0.00	37.32 1.37 0.00	35.23 1.55 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	32.68 2.19 0.00	29.52 1.91 0.00	27.59 1.73 0.00	26.95 1.67 0.00	26.28 1.58 0.00	25.94 1.54 0.00	26.78 1.68 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.46 2.79 0.00	37.65 2.79 0.00	38.51 2.75 0.00	40.34 2.95 0.00	41.36 2.89 0.00	43.94 3.14 0.00	48.91 3.75 0.00	54.71 4.29 0.00	59.76 4.63 0.00	57.84 4.13 0.00	54.86 3.54 0.00	44.87 2.70 0.00	42.24 2.58 0.00	38.47 2.52 0.00	36.10 2.42 0.00
N.QUEENS_27_KV_LOAD 356247	33.29 2.80 0.00	30.02 2.40 0.00	27.95 2.09 0.00	27.33 2.05 0.00	26.58 1.88 0.00	26.11 1.71 0.00	27.03 1.93 0.00	27.74 2.08 0.00	30.48 2.54 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.64 3.25 0.00	41.59 3.12 0.00	44.10 3.30 0.00	49.05 3.88 0.00	54.66 4.24 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.75 3.44 0.01	44.95 2.78 0.00	42.40 2.74 0.00	38.83 2.88 0.00	36.77 3.10 0.00
N.TROY___115KV_TB1 355778	31.92 1.43 0.00	28.94 1.33 0.00	27.04 1.19 0.00	26.45 1.16 0.00	25.84 1.14 0.00	25.48 1.07 0.00	26.20 1.10 0.00	26.68 1.03 0.00	29.11 1.17 0.00	35.18 1.51 0.00	36.22 1.36 0.00	37.05 1.29 0.00	38.77 1.38 0.00	39.75 1.27 0.00	42.23 1.43 0.00	46.88 1.72 0.00	52.54 2.12 0.00	57.44 2.32 0.00	56.12 2.42 0.00	53.43 2.10 0.00	43.98 1.81 0.00	41.37 1.71 0.00	37.36 1.40 0.00	35.12 1.45 0.00
NARROWS_GT1_1 24228	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT1_2 24229	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT1_3 24230	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT1_4 24231	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT1_5 24232	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01



NARROWS_GT1_6 24233	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT1_7 24234	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT1_8 24235	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT2_1 24236	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT2_2 24237	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT2_3 24238	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT2_4 24239	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT2_5 24240	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT2_6 24241	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT2_7 24242	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NARROWS_GT2_8 24243	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.82 3.44 0.00	41.82 3.35 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	60.03 4.90 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.52 2.86 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	32.10 1.62 0.00	29.13 1.52 0.00	27.17 1.32 0.00	26.55 1.26 0.00	25.94 1.24 0.00	25.55 1.15 0.00	26.25 1.15 0.00	26.63 0.98 0.00	28.91 0.98 0.00	34.91 1.25 0.00	35.90 1.05 0.00	36.69 0.93 0.00	38.21 0.82 0.00	39.17 0.69 0.00	41.66 0.86 0.00	46.43 1.26 0.00	52.18 1.76 0.00	57.39 2.26 0.00	56.44 2.74 0.00	54.04 2.72 0.00	44.36 2.19 0.00	41.64 1.98 0.00	37.54 1.58 0.00	35.19 1.52 0.00
NCHELSEA_115KV_TR2 355582	32.83 2.35 0.00	29.71 2.10 0.00	27.74 1.89 0.00	27.08 1.80 0.00	26.46 1.75 0.00	26.09 1.68 0.00	26.93 1.83 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.46 2.79 0.00	37.65 2.79 0.00	38.51 2.75 0.00	40.34 2.95 0.00	41.40 2.92 0.00	44.02 3.22 0.00	49.05 3.88 0.00	55.01 4.59 0.00	60.09 4.96 0.00	58.26 4.56 0.00	55.38 4.05 0.00	45.20 3.04 0.00	42.56 2.90 0.00	38.69 2.73 0.00	36.30 2.63 0.00
NEG CAPITAL___MECHNVIL 23645	32.46 1.98 0.00	29.44 1.82 0.00	27.51 1.66 0.00	26.85 1.57 0.00	26.21 1.51 0.00	25.87 1.46 0.00	26.58 1.48 0.00	27.07 1.41 0.00	29.56 1.62 0.00	35.79 2.12 0.00	36.81 1.95 0.00	37.76 2.00 0.00	39.59 2.21 0.00	40.59 2.11 0.00	43.04 2.24 0.00	47.88 2.71 0.00	53.60 3.18 0.00	58.71 3.58 0.00	57.57 3.87 0.00	54.86 3.54 0.00	45.16 2.99 0.00	42.40 2.73 0.00	38.15 2.19 0.00	35.86 2.19 0.00
NEG CENTRAL_HIGH_ACRES 23767	30.27 -0.21 0.00	27.26 -0.36 0.00	25.47 -0.39 0.00	24.78 -0.51 0.00	24.23 -0.47 0.00	23.94 -0.46 0.00	24.57 -0.53 0.00	25.35 -0.31 0.00	27.35 -0.59 0.00	32.92 -0.74 0.00	34.72 -0.14 0.00	35.90 0.14 0.00	37.95 0.56 0.00	39.40 0.92 0.00	41.86 1.06 0.00	45.93 0.77 0.00	50.98 0.56 0.00	55.90 0.77 0.00	54.24 0.54 0.00	51.73 0.41 0.00	42.55 0.38 0.00	40.22 0.55 0.00	36.24 0.29 0.00	33.81 0.14 0.00



NEG CENTRAL___DRP 24199	30.92 0.49 0.05	27.93 0.33 0.02	26.06 0.21 0.00	25.46 0.18 0.00	24.90 0.20 0.00	24.63 0.22 0.00	25.15 0.05 0.00	25.81 0.15 0.00	28.14 0.22 0.02	33.96 0.20 -0.09	35.31 0.56 0.11	36.42 0.79 0.12	38.33 1.08 0.14	39.75 1.42 0.15	42.21 1.59 0.18	46.47 1.54 0.23	51.69 1.56 0.29	57.73 1.93 -0.67	56.33 1.77 -0.86	54.28 1.80 -1.16	43.64 1.27 -0.21	41.45 1.35 -0.44	36.93 1.08 0.10	34.52 0.88 0.03
NEG CENTRAL___INDECK 23768	32.10 1.61 0.00	28.83 1.21 0.00	26.94 1.09 0.00	26.17 0.88 0.00	25.57 0.86 0.00	25.26 0.85 0.00	25.88 0.78 0.00	26.69 1.03 0.00	28.47 0.53 0.00	33.87 0.20 0.00	35.69 0.84 0.00	36.94 1.18 0.00	39.14 1.76 0.00	39.32 0.85 0.00	41.82 1.02 0.00	45.84 0.68 0.00	50.98 0.56 0.00	56.17 1.04 0.00	54.99 1.29 0.00	53.17 1.84 0.00	44.07 1.90 0.00	41.76 2.10 0.00	38.73 2.77 0.00	36.07 2.39 0.00
NEG CENTRAL___SENECA 23627	31.18 0.70 0.00	28.14 0.52 0.00	26.22 0.36 0.00	25.61 0.33 0.00	25.05 0.35 0.00	24.75 0.34 0.00	25.27 0.18 0.00	25.97 0.31 0.00	28.33 0.39 0.00	34.10 0.34 -0.10	35.66 0.80 0.00	36.87 1.11 0.00	38.88 1.50 0.00	40.40 1.92 0.00	42.96 2.16 0.00	47.29 2.12 0.00	52.54 2.12 0.00	58.32 2.65 -0.54	56.57 2.42 -0.46	54.30 2.36 -0.61	43.97 1.69 -0.11	41.68 1.78 -0.23	37.43 1.47 0.00	34.92 1.21 -0.03
NEG CENTRAL___STATE_STREET 24147	30.88 0.46 0.06	27.87 0.28 0.02	26.01 0.16 0.00	25.44 0.15 0.00	24.88 0.17 0.00	24.60 0.20 0.00	25.17 0.08 0.00	25.81 0.15 0.00	28.13 0.22 0.03	34.08 0.27 -0.15	35.23 0.49 0.12	36.31 0.68 0.13	38.17 0.93 0.15	39.47 1.15 0.16	41.87 1.26 0.19	46.23 1.31 0.25	51.47 1.36 0.32	57.82 1.71 -0.99	56.40 1.56 -1.15	54.46 1.59 -1.55	43.59 1.14 -0.28	41.40 1.15 -0.59	36.78 0.93 0.11	34.44 0.77 0.01
NEG MILLWOOD___DRP 24198	33.07 2.59 0.00	29.88 2.26 0.00	27.90 2.04 0.00	27.26 1.97 0.00	26.58 1.88 0.00	26.26 1.85 0.00	27.11 2.01 0.00	27.74 2.08 0.00	30.42 2.49 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.94 3.18 0.00	40.79 3.40 0.00	41.86 3.39 0.00	44.55 3.75 0.00	49.73 4.56 0.00	55.56 5.14 0.00	60.92 5.79 0.00	58.96 5.26 0.00	55.94 4.62 0.00	45.54 3.37 0.00	42.87 3.21 0.00	39.05 3.09 0.00	36.54 2.86 0.00
NEG NORTH_FLCN_SEA 23793	30.43 0.18 0.24	27.81 0.28 0.08	26.27 0.41 0.00	25.71 0.43 0.00	25.12 0.42 0.00	24.92 0.51 0.00	25.73 0.63 0.00	26.30 0.64 0.00	28.42 0.59 0.11	33.91 0.67 0.42	35.13 0.77 0.49	36.07 0.86 0.54	37.41 0.64 0.61	38.57 0.77 0.68	40.49 0.49 0.80	43.18 -0.95 1.04	47.94 -1.16 1.32	51.34 -2.21 1.58	52.04 -1.66 0.00	50.35 -0.98 0.00	42.76 0.59 0.00	39.34 -0.32 0.00	34.89 -0.58 0.50	32.39 -0.84 0.45
NEG NORTH_KES_CHATEGAY 23792	29.53 -0.52 0.44	27.07 -0.39 0.16	25.67 -0.18 0.00	25.11 -0.18 0.00	24.53 -0.17 0.00	24.31 -0.10 0.00	25.10 0.00 0.00	25.66 0.00 0.00	27.57 -0.17 0.20	32.61 -0.27 0.78	33.71 -0.24 0.91	34.54 -0.21 1.01	35.76 -0.49 1.13	36.80 -0.42 1.26	38.60 -0.73 1.47	41.76 -1.49 1.91	46.27 -1.71 2.44	49.89 -2.32 2.92	51.87 -1.83 0.00	50.09 -1.23 0.00	41.96 -0.21 0.00	38.79 -0.87 0.00	34.06 -1.01 0.89	31.73 -1.15 0.80
NEG NORTH___ALICE_FALLS 23915	30.34 0.12 0.27	27.71 0.19 0.10	26.22 0.36 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.87 0.46 0.00	25.65 0.55 0.00	26.25 0.59 0.00	28.32 0.50 0.12	33.72 0.54 0.48	34.96 0.66 0.56	35.89 0.75 0.62	37.21 0.52 0.70	38.36 0.65 0.77	40.26 0.37 0.90	43.09 -0.90 1.17	47.86 -1.06 1.50	51.46 -1.87 1.79	52.36 -1.34 0.00	50.71 -0.62 0.00	42.93 0.76 0.00	39.50 -0.16 0.00	34.93 -0.47 0.56	32.43 -0.74 0.50
NEG NORTH___LWR_SARANAC 23913	30.34 0.12 0.27	27.71 0.19 0.10	26.22 0.36 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.87 0.46 0.00	25.65 0.55 0.00	26.25 0.59 0.00	28.32 0.50 0.12	33.72 0.54 0.48	34.96 0.66 0.56	35.89 0.75 0.62	37.21 0.52 0.70	38.36 0.65 0.77	40.26 0.37 0.90	43.09 -0.90 1.17	47.86 -1.06 1.50	51.46 -1.87 1.79	52.36 -1.34 0.00	50.71 -0.62 0.00	42.93 0.76 0.00	39.50 -0.16 0.00	34.93 -0.47 0.56	32.43 -0.74 0.50
NEG NORTH___PLATTSBURG 23628	30.34 0.12 0.27	27.71 0.19 0.10	26.06 0.21 0.00	25.64 0.35 0.00	25.05 0.35 0.00	24.87 0.46 0.00	25.65 0.55 0.00	26.07 0.41 0.00	28.32 0.50 0.12	33.72 0.54 0.48	34.96 0.66 0.56	35.89 0.75 0.62	36.39 -0.30 0.70	37.51 -0.19 0.77	39.37 -0.53 0.90	43.09 -0.90 1.17	47.16 -1.77 1.50	51.46 -1.87 1.79	52.36 -1.34 0.00	50.71 -0.61 0.00	42.93 0.76 0.00	39.46 -0.20 0.00	35.76 0.36 0.56	33.14 -0.03 0.50
NEG WEST_LEA_LOCKPORT 23791	30.61 0.12 0.00	27.53 -0.08 0.00	25.65 -0.21 0.00	24.96 -0.33 0.00	24.41 -0.30 0.00	24.14 -0.27 0.00	24.47 -0.63 0.00	24.89 -0.77 0.00	27.27 -0.67 0.00	32.52 -1.14 0.00	34.75 -0.10 0.00	36.08 0.32 0.00	38.36 0.97 0.00	40.17 1.69 0.00	42.92 2.12 0.00	46.61 1.45 0.00	51.28 0.86 0.00	56.12 0.99 0.00	54.13 0.43 0.00	51.53 0.21 0.00	42.08 -0.08 0.00	40.34 0.67 0.00	36.42 0.47 0.00	33.98 0.30 0.00
NEG WEST___LANCASTR 23811	30.70 0.21 0.00	27.62 0.00 0.00	25.73 -0.13 0.00	25.03 -0.25 0.00	24.51 -0.20 0.00	24.24 -0.17 0.00	24.62 -0.48 0.00	25.22 -0.44 0.00	27.60 -0.34 0.00	33.16 -0.50 0.00	35.45 0.59 0.00	36.76 1.00 0.00	39.03 1.64 0.00	40.86 2.39 0.00	43.74 2.94 0.00	47.74 2.57 0.00	52.64 2.22 0.00	57.61 2.48 0.00	55.42 1.72 0.00	52.66 1.33 0.00	42.76 0.59 0.00	40.89 1.23 0.00	36.93 0.97 0.00	34.42 0.74 0.00
NEG_PENN_ALLEGHNY 23528	31.21 0.73 0.00	28.17 0.55 0.00	26.34 0.49 0.00	25.69 0.40 0.00	25.10 0.39 0.00	24.80 0.39 0.00	25.48 0.38 0.00	26.27 0.61 0.00	28.49 0.56 0.00	34.48 0.71 -0.11	35.87 1.01 0.00	36.94 1.18 0.00	38.92 1.53 0.00	40.25 1.77 0.00	42.76 1.96 0.00	47.20 2.03 0.00	52.59 2.17 0.00	58.10 2.37 -0.61	56.30 2.09 -0.51	53.96 1.95 -0.69	43.77 1.48 -0.13	41.43 1.51 -0.26	37.21 1.26 0.00	34.76 1.05 -0.04
NEG___GEN_MONROE 24207	30.88 0.40 0.00	27.78 0.17 0.00	25.88 0.03 0.00	25.23 -0.05 0.00	24.68 -0.02 0.00	24.43 0.02 0.00	24.87 -0.23 0.00	25.30 -0.36 0.00	27.66 -0.28 0.00	33.16 -0.50 0.00	35.07 0.21 0.00	36.22 0.46 0.00	38.28 0.90 0.00	39.82 1.35 0.00	42.51 1.71 0.00	46.48 1.31 0.00	51.38 0.96 0.00	56.51 1.38 0.00	54.77 1.07 0.00	52.35 1.03 0.00	42.97 0.80 0.00	40.81 1.15 0.00	36.82 0.86 0.00	34.38 0.71 0.00
NEPA___ENERGY 23901	31.06 0.58 0.00	27.95 0.33 0.00	26.04 0.18 0.00	25.36 0.08 0.00	24.83 0.12 0.00	24.53 0.12 0.00	24.95 -0.15 0.00	25.68 0.03 0.00	28.10 0.17 0.00	33.73 0.07 0.00	36.01 1.15 0.00	37.37 1.61 0.00	39.66 2.28 0.00	41.48 3.00 0.00	44.35 3.55 0.00	48.42 3.25 0.00	53.45 3.03 0.00	58.49 3.36 0.00	56.17 2.47 0.00	53.43 2.10 0.00	43.43 1.27 0.00	41.49 1.82 0.00	37.47 1.51 0.00	34.82 1.15 0.00



NEVERSINK___HYD 23608	32.04 1.55 0.00	28.97 1.35 0.00	27.10 1.24 0.00	26.40 1.11 0.00	25.76 1.06 0.00	25.43 1.02 0.00	26.20 1.10 0.00	26.81 1.16 0.00	29.33 1.40 0.00	35.48 1.82 0.00	36.57 1.71 0.00	37.37 1.61 0.00	39.25 1.87 0.00	40.32 1.85 0.00	42.88 2.08 0.00	47.74 2.57 0.00	53.60 3.18 0.00	58.66 3.53 0.00	56.98 3.28 0.00	54.30 2.98 0.00	44.23 2.07 0.00	41.64 1.98 0.00	37.83 1.87 0.00	35.46 1.78 0.00
NEWKRMKL_115KV_TB1 55635	31.40 0.91 0.00	28.47 0.86 0.00	26.58 0.72 0.00	26.02 0.73 0.00	25.39 0.69 0.00	25.06 0.66 0.00	25.80 0.70 0.00	26.33 0.67 0.00	28.66 0.73 0.00	34.64 0.98 0.00	35.73 0.87 0.00	36.58 0.82 0.00	38.17 0.79 0.00	39.17 0.69 0.00	41.57 0.78 0.00	46.20 1.04 0.00	51.73 1.31 0.00	56.56 1.43 0.00	55.20 1.50 0.00	52.56 1.23 0.00	43.22 1.05 0.00	40.61 0.95 0.00	36.75 0.79 0.00	34.52 0.84 0.00
NEWTON___FALLS_HYD 23847	26.87 -1.65 1.97	25.48 -1.44 0.70	24.72 -1.14 0.00	24.17 -1.11 0.00	23.59 -1.11 0.00	23.33 -1.07 0.00	24.09 -1.00 0.00	24.58 -1.08 0.00	25.57 -1.48 0.89	28.39 -1.85 3.42	28.79 -1.99 4.08	29.20 -2.04 4.52	30.08 -2.21 5.10	30.60 -2.23 5.65	31.63 -2.57 6.60	33.59 -2.98 8.59	36.18 -3.28 10.97	39.18 -3.36 12.58	51.37 -2.79 -0.46	49.89 -2.05 -0.62	40.81 -1.48 -0.11	38.35 -1.55 -0.24	30.48 -1.58 3.90	28.56 -1.65 3.47
NGRID_A1_DSASP 323792	29.69 -0.79 0.00	26.73 -0.88 0.00	25.05 -0.80 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	24.09 -1.00 0.00	24.86 -0.80 0.00	26.45 -1.48 0.00	31.65 -2.02 0.00	34.09 -0.77 0.00	35.40 -0.36 0.00	37.68 0.30 0.00	39.36 0.89 0.00	42.07 1.27 0.00	45.57 0.41 0.00	50.32 -0.10 0.00	54.91 -0.22 0.00	52.90 -0.80 0.00	50.35 -0.98 0.00	41.49 -0.68 0.00	39.54 -0.12 0.00	35.67 -0.29 0.00	33.27 -0.40 0.00
NGRID_A2_DSASP 323793	29.69 -0.79 0.00	26.73 -0.88 0.00	25.05 -0.80 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	24.09 -1.00 0.00	24.86 -0.80 0.00	26.45 -1.48 0.00	31.65 -2.02 0.00	34.09 -0.77 0.00	35.40 -0.36 0.00	37.68 0.30 0.00	39.36 0.89 0.00	42.07 1.27 0.00	45.57 0.41 0.00	50.32 -0.10 0.00	54.91 -0.22 0.00	52.90 -0.80 0.00	50.35 -0.98 0.00	41.49 -0.68 0.00	39.54 -0.12 0.00	35.67 -0.29 0.00	33.27 -0.40 0.00
NGRID_A4_DSASP 323807	29.69 -0.79 0.00	26.73 -0.88 0.00	25.05 -0.80 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	24.09 -1.00 0.00	24.86 -0.80 0.00	26.45 -1.48 0.00	31.65 -2.02 0.00	34.09 -0.77 0.00	35.40 -0.36 0.00	37.68 0.30 0.00	39.36 0.89 0.00	42.07 1.27 0.00	45.57 0.41 0.00	50.32 -0.10 0.00	54.91 -0.22 0.00	52.90 -0.80 0.00	50.35 -0.98 0.00	41.49 -0.68 0.00	39.54 -0.12 0.00	35.67 -0.29 0.00	33.27 -0.40 0.00
NIAGARA_115E_LBMP 323715	30.21 -0.27 0.00	27.17 -0.44 0.00	25.44 -0.41 0.00	24.65 -0.63 0.00	24.11 -0.59 0.00	23.85 -0.56 0.00	24.47 -0.63 0.00	25.27 -0.38 0.00	26.90 -1.03 0.00	32.15 -1.51 0.00	34.65 -0.21 0.00	35.94 0.18 0.00	38.28 0.90 0.00	39.98 1.50 0.00	42.72 1.92 0.00	46.34 1.17 0.00	51.18 0.76 0.00	55.90 0.77 0.00	53.86 0.16 0.00	51.27 -0.05 0.00	42.21 0.04 0.00	40.22 0.55 0.00	36.24 0.29 0.00	33.85 0.17 0.00
NIAGARA_115W_LBMP 323714	29.63 -0.85 0.00	26.65 -0.97 0.00	24.98 -0.88 0.00	24.20 -1.09 0.00	23.67 -1.04 0.00	23.40 -1.00 0.00	24.02 -1.08 0.00	24.81 -0.85 0.00	26.37 -1.56 0.00	31.58 -2.09 0.00	33.99 -0.87 0.00	35.29 -0.47 0.00	37.53 0.15 0.00	39.25 0.77 0.00	41.90 1.10 0.00	45.44 0.27 0.00	50.17 -0.25 0.00	54.74 -0.38 0.00	52.74 -0.97 0.00	50.19 -1.13 0.00	41.37 -0.80 0.00	39.43 -0.24 0.00	35.56 -0.39 0.00	33.21 -0.47 0.00
NIAGARA_230_LBMP 323716	30.06 -0.43 0.00	27.06 -0.55 0.00	25.34 -0.52 0.00	24.55 -0.73 0.00	24.04 -0.67 0.00	23.77 -0.63 0.00	24.40 -0.70 0.00	25.20 -0.46 0.00	26.82 -1.12 0.00	32.08 -1.58 0.00	34.51 -0.35 0.00	35.79 0.04 0.00	38.09 0.71 0.00	39.79 1.31 0.00	42.43 1.63 0.00	46.07 0.90 0.00	50.87 0.45 0.00	55.57 0.44 0.00	53.54 -0.16 0.00	50.97 -0.36 0.00	42.00 -0.17 0.00	39.98 0.32 0.00	36.06 0.11 0.00	33.68 0.00 0.00
NIAGARA___115KV_198_GIBSON 55903	29.63 -0.85 0.00	26.65 -0.97 0.00	24.85 -1.01 0.00	24.20 -1.09 0.00	23.67 -1.04 0.00	23.41 -1.00 0.00	23.72 -1.38 0.00	24.09 -1.57 0.00	26.37 -1.56 0.00	31.58 -2.09 0.00	33.85 -1.01 0.00	35.11 -0.64 0.00	37.35 -0.04 0.00	39.09 0.62 0.00	41.74 0.94 0.00	45.26 0.09 0.00	49.81 -0.61 0.00	54.47 -0.66 0.00	52.52 -1.18 0.00	49.99 -1.33 0.00	40.82 -1.35 0.00	39.19 -0.48 0.00	35.45 -0.50 0.00	33.07 -0.61 0.00
NIAGARA____ 23760	30.06 -0.43 0.00	27.06 -0.55 0.00	25.34 -0.52 0.00	24.55 -0.73 0.00	24.04 -0.67 0.00	23.77 -0.63 0.00	24.40 -0.70 0.00	25.20 -0.46 0.00	26.82 -1.12 0.00	32.08 -1.58 0.00	34.51 -0.35 0.00	35.79 0.04 0.00	38.09 0.71 0.00	39.79 1.31 0.00	42.43 1.63 0.00	46.07 0.90 0.00	50.87 0.45 0.00	55.57 0.44 0.00	53.54 -0.16 0.00	50.97 -0.36 0.00	42.00 -0.17 0.00	39.98 0.32 0.00	36.06 0.11 0.00	33.68 0.00 0.00
NINE_MILE_1 23575	29.75 -0.73 0.00	26.90 -0.72 0.00	25.18 -0.67 0.00	24.60 -0.68 0.00	24.06 -0.64 0.00	23.77 -0.63 0.00	24.40 -0.70 0.00	25.02 -0.64 0.00	27.15 -0.78 1.74	30.98 -0.94 0.00	33.99 -0.87 0.00	34.94 -0.82 0.00	36.67 -0.71 0.00	37.82 -0.65 0.00	40.15 -0.65 0.00	44.31 -0.86 0.00	49.41 -1.01 0.00	44.89 -1.05 9.19	44.91 -1.07 7.72	39.87 -1.03 10.42	39.43 -0.84 1.90	34.99 -0.71 3.95	35.24 -0.72 0.00	32.36 -0.74 0.58
NINE_MILE_2 23744	29.75 -0.73 0.00	26.90 -0.72 0.00	25.18 -0.67 0.00	24.60 -0.68 0.00	24.06 -0.64 0.00	23.77 -0.63 0.00	24.40 -0.70 0.00	25.02 -0.64 0.00	27.15 -0.78 1.77	30.95 -0.94 0.00	33.99 -0.87 0.00	34.94 -0.82 0.00	36.67 -0.71 0.00	37.82 -0.65 0.00	40.15 -0.65 0.00	44.31 -0.86 0.00	49.41 -1.01 0.00	44.75 -1.05 9.33	44.79 -1.07 7.84	39.72 -1.03 10.58	39.40 -0.84 1.92	34.93 -0.71 4.01	35.24 -0.72 0.00	32.35 -0.74 0.59
NM_CAPITAL___DRP 24208	31.46 0.98 0.00	28.53 0.91 0.00	26.66 0.80 0.00	26.09 0.81 0.00	25.47 0.77 0.00	25.14 0.73 0.00	25.88 0.78 0.00	26.38 0.72 0.00	28.72 0.78 0.00	34.71 1.04 0.00	35.77 0.91 0.00	36.62 0.86 0.00	38.24 0.86 0.00	39.21 0.73 0.00	41.62 0.82 0.00	46.25 1.08 0.00	51.78 1.36 0.00	56.62 1.49 0.00	55.20 1.50 0.00	52.61 1.28 0.00	43.26 1.10 0.00	40.65 0.99 0.00	36.78 0.83 0.00	34.55 0.88 0.00
NM_CENTRAL___DRP 24181	30.43 0.03 0.08	27.50 -0.08 0.03	25.70 -0.16 0.00	25.13 -0.15 0.00	24.58 -0.12 0.00	24.31 -0.10 0.00	24.87 -0.23 0.00	25.48 -0.18 0.00	27.79 -0.11 0.04	33.57 -0.10 -0.01	34.65 -0.03 0.17	35.64 0.07 0.19	37.43 0.26 0.21	38.66 0.42 0.24	41.01 0.49 0.28	45.26 0.45 0.36	50.36 0.40 0.46	55.96 0.50 -0.34	54.83 0.38 -0.75	52.75 0.41 -1.01	42.52 0.17 -0.18	40.32 0.28 -0.38	36.01 0.22 0.16	33.75 0.17 0.09



NM_FRONTIER___DRP 24179	29.63 -0.85 0.00	26.65 -0.97 0.00	24.85 -1.01 0.00	24.20 -1.09 0.00	23.67 -1.04 0.00	23.41 -1.00 0.00	23.72 -1.38 0.00	24.09 -1.57 0.00	26.37 -1.56 0.00	31.58 -2.09 0.00	33.85 -1.01 0.00	35.11 -0.64 0.00	37.35 -0.04 0.00	39.09 0.62 0.00	41.74 0.94 0.00	45.26 0.09 0.00	49.81 -0.61 0.00	54.47 -0.66 0.00	52.52 -1.18 0.00	49.99 -1.33 0.00	40.82 -1.35 0.00	39.19 -0.48 0.00	35.45 -0.50 0.00	33.07 -0.61 0.00
NM_ST_REGIS___HYD 24053	26.17 -1.80 2.52	25.20 -1.52 0.89	24.82 -1.03 0.00	24.27 -1.01 0.00	23.71 -0.99 0.00	23.45 -0.95 0.00	24.25 -0.85 0.00	24.79 -0.87 0.00	25.40 -1.40 1.14	27.45 -1.75 4.46	27.78 -1.85 5.23	28.11 -1.86 5.79	28.64 -2.21 6.53	29.02 -2.23 7.23	29.69 -2.65 8.46	30.91 -3.25 11.01	32.74 -3.63 14.05	34.43 -4.13 16.56	50.37 -3.54 -0.21	48.84 -2.77 -0.29	40.49 -1.73 -0.05	37.67 -2.10 -0.11	28.87 -2.09 5.00	27.15 -2.05 4.47
NORTHPORT___1 23551	39.33 2.44 -6.41	38.66 2.40 -8.64	37.90 2.25 -9.79	36.33 2.15 -8.90	35.14 2.05 -8.39	36.15 2.00 -9.74	36.00 2.16 -8.75	36.82 2.39 -8.77	38.19 2.74 -7.51	38.67 3.23 -1.78	35.98 2.79 1.67	35.98 2.75 2.53	35.98 2.92 4.32	36.29 2.73 4.92	37.09 2.81 6.52	37.08 3.34 11.43	45.53 3.83 8.72	51.38 4.02 7.77	51.67 3.49 5.51	45.89 2.82 8.26	39.42 2.23 4.98	37.83 2.18 4.01	35.98 2.30 2.28	35.81 2.29 0.15
NORTHPORT___2 23552	39.33 2.44 -6.41	38.66 2.40 -8.64	37.90 2.25 -9.79	36.33 2.15 -8.90	35.14 2.05 -8.39	36.15 2.00 -9.74	36.00 2.16 -8.75	36.82 2.39 -8.77	38.19 2.74 -7.51	38.67 3.23 -1.78	30.70 2.79 6.95	30.63 2.75 7.88	30.64 2.92 9.67	30.64 2.73 10.57	30.75 2.81 12.87	30.75 3.34 17.75	30.76 3.83 23.49	30.77 4.02 28.38	30.82 3.49 26.37	30.82 2.82 23.32	30.84 2.23 13.56	30.87 2.18 10.97	30.74 2.30 7.52	30.73 2.29 5.24
NORTHPORT___3 23553	39.41 2.53 -6.40	38.33 2.07 -8.64	37.69 2.04 -9.79	36.18 2.00 -8.90	35.02 1.93 -8.39	36.00 1.85 -9.74	35.88 2.03 -8.75	36.66 2.23 -8.77	37.97 2.52 -7.51	38.57 3.13 -1.77	30.55 2.65 6.96	30.51 2.65 7.89	30.55 2.84 9.67	30.55 2.65 10.58	30.70 2.78 12.88	30.70 3.30 17.76	30.71 3.78 23.49	30.71 3.97 28.39	30.71 3.39 26.38	30.71 2.72 23.33	30.71 2.11 13.57	30.66 1.98 10.98	30.55 2.12 7.53	30.55 2.12 5.25
NORTHPORT___4 23650	39.41 2.53 -6.40	38.33 2.07 -8.64	37.69 2.04 -9.79	36.18 2.00 -8.90	35.02 1.93 -8.39	36.00 1.85 -9.74	35.88 2.03 -8.75	36.66 2.23 -8.77	37.97 2.52 -7.51	38.57 3.13 -1.77	30.55 2.65 6.96	30.51 2.65 7.89	30.55 2.84 9.67	30.55 2.65 10.58	30.70 2.78 12.88	30.70 3.30 17.76	30.71 3.78 23.49	30.71 3.97 28.39	30.71 3.39 26.38	30.71 2.72 23.33	30.71 2.11 13.57	30.66 1.98 10.98	30.55 2.12 7.53	30.55 2.12 5.25
NORTHPORT___IC 23718	39.33 2.44 -6.41	38.66 2.40 -8.64	37.85 2.20 -9.79	36.33 2.15 -8.90	35.15 2.05 -8.39	36.15 2.00 -9.74	36.03 2.18 -8.75	36.79 2.36 -8.77	38.19 2.74 -7.51	38.67 3.23 -1.78	30.70 2.79 6.95	30.70 2.82 7.88	30.63 2.92 9.67	30.60 2.69 10.57	30.75 2.82 12.87	30.85 3.43 17.75	30.87 3.93 23.49	30.88 4.13 28.38	30.93 3.60 26.37	30.93 2.93 23.32	30.97 2.36 13.56	31.07 2.38 10.97	30.88 2.45 7.52	30.83 2.39 5.24
NORTH___COUNTRY_ESR 323785	29.43 -0.61 0.44	26.99 -0.47 0.16	25.44 -0.41 0.00	25.06 -0.23 0.00	24.46 -0.25 0.00	24.24 -0.17 0.00	25.02 -0.08 0.00	25.40 -0.26 0.00	27.48 -0.25 0.20	32.54 -0.34 0.79	33.63 -0.31 0.92	34.45 -0.29 1.02	35.23 -1.01 1.15	36.21 -1.00 1.27	38.01 -1.31 1.48	41.65 -1.58 1.93	45.74 -2.22 2.46	49.75 -2.42 2.95	51.71 -1.99 0.00	49.94 -1.38 0.00	41.75 -0.42 0.00	38.63 -1.03 0.00	34.41 -0.65 0.90	32.03 -0.84 0.81
NPX_GEN_1385_PROXY 323591	38.87 1.98 -6.41	38.19 1.93 -8.64	37.28 1.63 -9.79	35.78 1.59 -8.90	34.60 1.51 -8.39	35.66 1.51 -9.74	35.50 1.66 -8.75	36.36 1.93 -8.77	37.69 2.24 -7.51	38.00 2.56 -1.78	34.81 2.58 2.63	34.72 2.47 3.51	34.93 2.84 5.30	35.26 2.73 5.95	36.59 3.47 7.68	36.69 4.11 12.58	44.00 4.99 11.41	49.00 5.29 11.42	49.00 4.73 9.43	44.27 3.95 11.01	38.79 3.16 6.54	37.00 2.62 5.28	34.92 2.19 3.24	34.75 2.16 1.08
NPX_GEN_CSC 323557	40.28 3.17 -6.63	39.11 2.84 -8.65	38.26 2.61 -9.79	36.59 2.40 -8.90	35.39 2.30 -8.39	36.42 2.27 -9.74	36.28 2.43 -8.75	37.10 2.67 -8.77	38.63 3.18 -7.51	39.43 3.94 -1.83	45.86 3.69 -7.30	130.44 3.75 -90.93	122.86 3.96 -81.52	130.50 3.77 -88.25	133.26 4.00 -88.46	144.65 4.65 -94.83	243.87 5.34 -188.11	371.22 5.57 -310.52	145.04 5.05 -86.29	137.68 4.26 -82.10	133.33 3.41 -87.75	133.92 3.29 -90.97	39.20 3.24 -0.01	36.82 3.13 -0.01
NSINS_S_GLNS_FALLS 23858	32.56 2.07 0.00	29.55 1.93 0.00	27.51 1.65 0.00	26.90 1.62 0.00	26.28 1.58 0.00	25.92 1.51 0.00	26.63 1.53 0.00	27.17 1.51 0.00	29.61 1.68 0.00	35.95 2.29 0.00	36.78 1.92 0.00	37.65 1.90 0.00	39.51 2.13 0.00	40.40 1.92 0.00	42.88 2.08 0.00	47.79 2.62 0.00	53.50 3.08 0.00	58.66 3.53 0.00	58.10 4.40 0.00	55.38 4.05 0.00	45.75 3.58 0.00	42.91 3.25 0.00	38.62 2.66 0.00	36.10 2.42 0.00
NUCOR_STEEL___DRP 24197	30.94 0.52 0.06	27.93 0.33 0.02	26.09 0.23 0.00	25.51 0.23 0.00	24.95 0.25 0.00	24.67 0.27 0.00	25.22 0.13 0.00	25.86 0.21 0.00	28.19 0.28 0.03	34.16 0.34 -0.16	35.26 0.52 0.12	36.34 0.72 0.13	38.17 0.93 0.15	39.46 1.15 0.17	41.87 1.26 0.19	46.22 1.31 0.25	51.41 1.31 0.32	57.85 1.65 -1.07	56.43 1.50 -1.23	54.52 1.54 -1.66	43.57 1.10 -0.30	41.44 1.15 -0.63	36.81 0.97 0.11	34.51 0.84 0.01
NUMBER_THREE_WT_PWR 323818	29.26 -0.36 0.86	26.95 -0.36 0.30	25.47 -0.39 0.00	24.96 -0.33 0.00	24.38 -0.32 0.00	24.09 -0.32 0.00	24.85 -0.25 0.00	25.27 -0.38 0.00	27.07 -0.48 0.39	31.68 -0.57 1.41	32.38 -0.70 1.78	33.04 -0.75 1.97	34.45 -0.71 2.22	35.33 -0.69 2.46	37.06 -0.86 2.88	40.39 -1.04 3.74	44.58 -1.06 4.78	49.34 -0.72 5.07	54.03 -0.21 -0.55	52.42 0.36 -0.74	42.56 0.25 -0.13	40.22 0.28 -0.28	34.30 0.04 1.69	32.00 -0.20 1.48
NYISO_LBMP_REFERENCE 24008	30.48 0.00 0.00	27.62 0.00 0.00	25.85 0.00 0.00	25.28 0.00 0.00	24.70 0.00 0.00	24.41 0.00 0.00	25.10 0.00 0.00	25.66 0.00 0.00	27.94 0.00 0.00	33.66 0.00 0.00	34.86 0.00 0.00	35.76 0.00 0.00	37.38 0.00 0.00	38.48 0.00 0.00	40.80 0.00 0.00	45.17 0.00 0.00	50.42 0.00 0.00	55.13 0.00 0.00	53.70 0.00 0.00	51.32 0.00 0.00	42.17 0.00 0.00	39.66 0.00 0.00	35.96 0.00 0.00	33.68 0.00 0.00
NYPA_BRENTWD____GT 24164	40.15 3.20 -6.46	39.22 2.96 -8.64	38.39 2.74 -9.79	36.74 2.55 -8.90	35.54 2.45 -8.39	36.56 2.42 -9.74	36.43 2.59 -8.75	37.23 2.80 -8.77	38.72 3.27 -7.51	39.39 3.94 -1.79	40.06 3.66 -1.54	58.36 3.43 -19.16	58.23 3.67 -17.18	60.42 3.35 -18.60	62.95 3.51 -18.64	69.26 4.11 -19.99	94.80 4.74 -39.65	125.57 5.02 -65.42	76.31 4.40 -18.21	72.32 3.70 -17.30	63.61 2.95 -18.49	61.69 2.86 -19.17	39.20 3.24 0.00	36.84 3.16 0.00



NYPA_GOWANUS____GT5 24156	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.79 3.40 0.00	41.79 3.31 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	59.98 4.85 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.48 2.82 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NYPA_GOWANUS____GT6 24157	33.29 2.80 -0.01	30.02 2.40 -0.01	28.06 2.20 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.08 1.98 0.00	27.81 2.16 0.00	30.59 2.66 0.00	37.03 3.37 0.00	38.28 3.42 0.00	38.91 3.15 0.00	40.79 3.40 0.00	41.79 3.31 0.00	44.39 3.59 0.00	49.32 4.15 0.00	54.96 4.54 0.00	59.98 4.85 0.00	58.16 4.45 0.00	55.01 3.70 0.01	44.99 2.83 0.00	42.48 2.82 0.00	38.92 2.95 -0.02	36.72 3.03 -0.01
NYPA_HARLEM__RVR__GT1 24160	33.20 2.71 -0.01	29.94 2.32 0.00	27.95 2.09 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.91 1.81 0.00	27.65 2.00 0.01	30.39 2.46 0.01	36.72 3.06 0.01	37.95 3.10 0.01	38.61 2.86 0.01	40.48 3.10 0.01	41.43 2.96 0.01	43.98 3.18 0.01	48.81 3.66 0.01	54.39 3.98 0.01	59.42 4.30 0.01	57.56 3.87 0.01	54.50 3.18 0.01	44.65 2.49 0.01	42.19 2.54 0.01	38.54 2.59 0.01	36.61 2.93 0.00
NYPA_HARLEM__RVR__GT2 24161	33.20 2.71 -0.01	29.94 2.32 0.00	27.95 2.09 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.91 1.81 0.00	27.65 2.00 0.01	30.39 2.46 0.01	36.72 3.06 0.01	37.95 3.10 0.01	38.61 2.86 0.01	40.48 3.10 0.01	41.43 2.96 0.01	43.98 3.18 0.01	48.81 3.66 0.01	54.39 3.98 0.01	59.42 4.30 0.01	57.56 3.87 0.01	54.50 3.18 0.01	44.65 2.49 0.01	42.19 2.54 0.01	38.54 2.59 0.01	36.61 2.93 0.00
NYPA_KENT____GT 24152	33.20 2.71 0.00	29.94 2.32 0.00	28.00 2.14 0.00	27.31 2.02 0.00	26.61 1.90 0.00	26.19 1.78 0.00	27.03 1.93 0.00	27.79 2.13 0.00	30.53 2.60 0.00	36.97 3.30 0.00	38.21 3.35 0.00	38.83 3.08 0.00	40.75 3.37 0.00	41.75 3.27 0.00	44.27 3.47 0.00	49.18 4.02 0.00	54.80 4.38 0.00	59.81 4.68 0.00	58.00 4.30 0.00	54.91 3.59 0.01	44.91 2.74 0.00	42.44 2.78 0.00	38.84 2.88 -0.01	36.65 2.96 0.00
NYPA_POUCH1____GT 24155	33.20 2.71 -0.01	29.97 2.35 -0.01	28.01 2.14 -0.01	27.34 2.05 -0.01	26.61 1.90 0.00	26.16 1.76 0.00	26.98 1.88 0.00	27.71 2.05 0.00	30.48 2.54 0.00	36.90 3.23 0.00	38.13 3.28 0.00	38.76 3.00 0.00	40.67 3.29 0.00	41.67 3.19 0.00	44.23 3.43 0.00	49.14 3.98 0.00	54.80 4.38 0.00	59.81 4.68 0.00	58.00 4.30 0.00	54.85 3.54 0.01	44.83 2.66 0.00	42.36 2.70 0.00	38.81 2.84 -0.02	36.65 2.96 -0.01
NYPA_VERNON____GT2 24162	33.11 2.62 0.00	29.88 2.26 0.00	27.93 2.07 0.00	27.26 1.97 0.00	26.56 1.85 0.00	26.16 1.76 0.00	27.01 1.91 0.00	27.79 2.13 0.00	30.50 2.57 0.00	36.90 3.23 0.00	38.10 3.24 0.00	38.83 3.08 0.00	40.71 3.33 0.00	41.71 3.23 0.00	44.23 3.43 0.00	49.09 3.93 0.00	54.70 4.28 0.00	59.70 4.57 0.00	57.89 4.19 0.00	54.81 3.49 0.01	44.87 2.70 0.00	42.40 2.73 0.00	38.73 2.77 0.00	36.54 2.86 0.00
NYPA_VERNON____GT3 24163	33.11 2.62 0.00	29.88 2.26 0.00	27.93 2.07 0.00	27.26 1.97 0.00	26.56 1.85 0.00	26.16 1.76 0.00	27.01 1.91 0.00	27.79 2.13 0.00	30.50 2.57 0.00	36.90 3.23 0.00	38.10 3.24 0.00	38.83 3.08 0.00	40.71 3.33 0.00	41.71 3.23 0.00	44.23 3.43 0.00	49.09 3.93 0.00	54.70 4.28 0.00	59.70 4.57 0.00	57.89 4.19 0.00	54.81 3.49 0.01	44.87 2.70 0.00	42.40 2.73 0.00	38.73 2.77 0.00	36.54 2.86 0.00
NYPA____ASTORIA_CC1 323568	33.07 2.59 0.00	29.83 2.21 0.00	27.90 2.04 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.74 2.08 0.00	30.45 2.52 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.76 3.00 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.15 3.35 0.00	48.96 3.79 0.00	54.56 4.14 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.65 3.33 0.01	44.78 2.62 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.51 2.83 0.00
NYPA____ASTORIA_CC2 323569	33.07 2.59 0.00	29.83 2.21 0.00	27.90 2.04 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	26.96 1.86 0.00	27.74 2.08 0.00	30.45 2.52 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.76 3.00 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.15 3.35 0.00	48.96 3.79 0.00	54.56 4.14 0.00	59.54 4.41 0.00	57.73 4.03 0.00	54.65 3.33 0.01	44.78 2.62 0.00	42.32 2.66 0.00	38.65 2.70 0.00	36.51 2.83 0.00
NYPA____HOLTSVILL 23794	40.22 3.11 -6.63	39.11 2.84 -8.65	38.31 2.66 -9.79	36.66 2.48 -8.90	35.47 2.37 -8.39	36.47 2.32 -9.74	36.33 2.49 -8.75	37.15 2.72 -8.77	38.63 3.18 -7.51	39.40 3.90 -1.83	45.55 3.52 -7.17	128.59 3.54 -89.29	121.18 3.74 -80.06	128.72 3.58 -86.67	131.38 3.71 -86.87	142.63 4.34 -93.13	240.10 4.94 -184.73	365.14 5.18 -304.84	143.17 4.62 -84.85	135.85 3.90 -80.63	131.46 3.12 -86.17	132.01 3.01 -89.34	39.06 3.09 -0.01	36.72 3.03 -0.01
NYPA____HELLGATE_GT1 24158	33.20 2.71 -0.01	29.94 2.32 0.00	27.95 2.09 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.91 1.81 0.00	27.65 2.00 0.01	30.39 2.46 0.01	36.72 3.06 0.01	37.95 3.10 0.01	38.61 2.86 0.01	40.48 3.10 0.01	41.43 2.96 0.01	43.98 3.18 0.01	48.81 3.66 0.01	54.39 3.98 0.01	59.42 4.30 0.01	57.56 3.87 0.01	54.50 3.18 0.01	44.65 2.49 0.01	42.19 2.54 0.01	38.54 2.59 0.01	36.61 2.93 0.00
NYPA____HELLGATE_GT2 24159	33.20 2.71 -0.01	29.94 2.32 0.00	27.95 2.09 0.00	27.28 2.00 0.00	26.53 1.83 0.00	26.07 1.66 0.00	26.91 1.81 0.00	27.65 2.00 0.01	30.39 2.46 0.01	36.72 3.06 0.01	37.95 3.10 0.01	38.61 2.86 0.01	40.48 3.10 0.01	41.43 2.96 0.01	43.98 3.18 0.01	48.81 3.66 0.01	54.39 3.98 0.01	59.42 4.30 0.01	57.56 3.87 0.01	54.50 3.18 0.01	44.65 2.49 0.01	42.19 2.54 0.01	38.54 2.59 0.01	36.61 2.93 0.00
NYS_BARGE____HYD 23848	30.67 0.18 0.00	27.56 -0.06 0.00	25.80 -0.05 0.00	24.98 -0.30 0.00	24.46 -0.25 0.00	24.16 -0.24 0.00	24.80 -0.30 0.00	25.63 -0.03 0.00	27.29 -0.64 0.00	32.59 -1.08 0.00	35.10 0.25 0.00	36.44 0.68 0.00	38.80 1.42 0.00	40.55 2.08 0.00	43.37 2.57 0.00	47.06 1.90 0.00	51.93 1.51 0.00	56.78 1.65 0.00	54.77 1.07 0.00	52.14 0.82 0.00	42.93 0.76 0.00	40.85 1.19 0.00	36.78 0.83 0.00	34.31 0.64 0.00
OAK ORCHARD____HYD 24046	30.76 0.27 0.00	27.70 0.08 0.00	25.88 0.03 0.00	25.16 -0.13 0.00	24.60 -0.10 0.00	24.31 -0.10 0.00	24.97 -0.12 0.00	25.74 0.08 0.00	27.68 -0.25 0.00	33.26 -0.40 0.00	35.28 0.42 0.00	36.51 0.75 0.00	38.66 1.27 0.00	40.13 1.65 0.00	42.68 1.88 0.00	46.70 1.54 0.00	51.78 1.36 0.00	56.78 1.65 0.00	54.99 1.29 0.00	52.45 1.13 0.00	43.22 1.05 0.00	40.89 1.23 0.00	36.86 0.90 0.00	34.38 0.71 0.00



OAKDALE___35_KV_LOAD 356122	31.06 0.58 0.00	28.06 0.44 0.00	26.17 0.31 0.00	25.59 0.30 0.00	25.00 0.30 0.00	24.70 0.29 0.00	25.30 0.20 0.00	25.99 0.33 0.00	28.38 0.45 0.00	34.31 0.54 -0.11	35.66 0.80 0.00	36.72 0.97 0.00	38.66 1.27 0.00	39.98 1.50 0.00	42.47 1.67 0.00	46.88 1.72 0.00	52.18 1.76 0.00	57.70 1.98 -0.59	55.92 1.72 -0.50	53.58 1.59 -0.67	43.39 1.10 -0.12	41.11 1.19 -0.25	37.00 1.04 0.00	34.59 0.88 -0.04
OCC_CHEM___DRP 24175	29.69 -0.79 0.00	26.73 -0.88 0.00	24.92 -0.93 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	23.79 -1.31 0.00	24.14 -1.51 0.00	26.46 -1.48 0.00	31.64 -2.02 0.00	33.95 -0.91 0.00	35.22 -0.54 0.00	37.46 0.07 0.00	39.21 0.73 0.00	41.86 1.06 0.00	45.44 0.27 0.00	49.97 -0.45 0.00	54.69 -0.44 0.00	52.68 -1.02 0.00	50.14 -1.18 0.00	40.95 -1.22 0.00	39.30 -0.36 0.00	35.56 -0.40 0.00	33.17 -0.51 0.00
OH_GEN_PROXY 24063	30.06 -0.43 0.00	27.06 -0.55 0.00	25.36 -0.49 0.00	24.55 -0.73 0.00	24.04 -0.67 0.00	23.77 -0.63 0.00	24.40 -0.70 0.00	25.20 -0.46 0.00	26.87 -1.06 0.00	32.15 -1.51 0.00	34.58 -0.28 0.00	35.87 0.11 0.00	38.13 0.75 0.00	39.79 1.31 0.00	42.47 1.67 0.00	46.16 0.99 0.00	50.98 0.56 0.00	55.79 0.55 -0.11	53.54 -0.05 0.11	51.07 -0.26 0.00	42.08 -0.08 0.00	40.02 0.36 0.00	37.18 0.14 -1.08	32.60 0.00 1.08
OLIN_CORP_DRP 24177	30.21 -0.27 0.00	27.20 -0.41 0.00	25.34 -0.52 0.00	24.65 -0.63 0.00	24.13 -0.57 0.00	23.87 -0.54 0.00	24.20 -0.90 0.00	24.58 -1.08 0.00	26.93 -1.01 0.00	32.18 -1.48 0.00	34.51 -0.35 0.00	35.79 0.04 0.00	38.06 0.67 0.00	39.82 1.35 0.00	42.55 1.75 0.00	46.20 1.04 0.00	50.82 0.40 0.00	55.62 0.50 0.00	53.59 -0.11 0.00	51.02 -0.31 0.00	41.66 -0.51 0.00	39.98 0.32 0.00	36.14 0.18 0.00	33.71 0.03 0.00
OLIN_CORP_DSASP 323712	29.69 -0.79 0.00	26.73 -0.88 0.00	25.05 -0.80 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	24.09 -1.00 0.00	24.86 -0.80 0.00	26.45 -1.48 0.00	31.65 -2.02 0.00	34.09 -0.77 0.00	35.40 -0.36 0.00	37.68 0.30 0.00	39.36 0.89 0.00	42.07 1.27 0.00	45.57 0.41 0.00	50.32 -0.10 0.00	54.91 -0.22 0.00	52.90 -0.80 0.00	50.35 -0.98 0.00	41.49 -0.68 0.00	39.54 -0.12 0.00	35.67 -0.29 0.00	33.27 -0.40 0.00
ONEIDA_HERK_LFGE 323681	30.52 0.43 0.39	27.81 0.33 0.14	26.14 0.28 0.00	25.56 0.28 0.00	24.95 0.25 0.00	24.67 0.27 0.00	25.42 0.33 0.00	25.97 0.31 0.00	28.07 0.31 0.18	33.40 0.37 0.64	34.39 0.35 0.82	35.17 0.32 0.91	36.85 0.48 1.02	37.88 0.54 1.13	39.97 0.49 1.32	43.94 0.50 1.72	48.83 0.61 2.20	53.84 0.99 2.28	55.23 1.24 -0.30	53.21 1.49 -0.40	43.38 1.14 -0.07	40.92 1.11 -0.15	36.01 0.83 0.78	33.61 0.61 0.67
ONEIDA___115KV_TB4 55905	31.32 1.01 0.17	28.38 0.83 0.06	26.55 0.70 0.00	25.97 0.68 0.00	25.35 0.64 0.00	25.06 0.66 0.00	25.75 0.65 0.00	26.33 0.67 0.00	28.61 0.75 0.08	34.36 0.91 0.21	35.45 0.94 0.35	36.34 0.97 0.38	38.22 1.27 0.43	39.35 1.35 0.48	41.67 1.43 0.56	45.97 1.54 0.73	51.21 1.71 0.93	56.70 2.21 0.63	56.42 2.31 -0.41	54.33 2.46 -0.55	44.12 1.86 -0.10	41.69 1.82 -0.21	37.14 1.51 0.33	34.66 1.25 0.26
ONONDAGA_REF_OCCRA 23987	30.38 -0.03 0.07	27.48 -0.11 0.03	25.67 -0.18 0.00	25.11 -0.18 0.00	24.53 -0.17 0.00	24.26 -0.15 0.00	24.85 -0.25 0.00	25.45 -0.21 0.00	27.76 -0.14 0.03	33.59 -0.13 -0.06	34.67 -0.03 0.15	35.66 0.07 0.17	37.46 0.26 0.19	38.65 0.38 0.21	41.00 0.45 0.25	45.30 0.45 0.32	50.42 0.40 0.41	56.24 0.50 -0.61	55.00 0.38 -0.92	52.93 0.36 -1.25	42.56 0.17 -0.23	40.37 0.24 -0.47	35.99 0.18 0.15	33.72 0.10 0.06
ONONDAGA___COGEN 23986	30.60 0.18 0.07	27.67 0.08 0.02	25.85 0.00 0.00	25.28 0.00 0.00	24.73 0.02 0.00	24.43 0.02 0.00	25.02 -0.08 0.00	25.66 0.00 0.00	27.96 0.06 0.03	33.93 0.10 -0.16	34.93 0.21 0.14	35.92 0.32 0.16	37.73 0.52 0.18	38.97 0.69 0.20	41.35 0.78 0.23	45.64 0.77 0.30	50.80 0.76 0.38	57.13 0.83 -1.18	55.77 0.70 -1.37	53.90 0.72 -1.86	42.97 0.46 -0.34	40.88 0.52 -0.70	36.25 0.43 0.14	33.99 0.34 0.02
ONTARIO___LFGE 23819	31.19 0.70 0.00	28.14 0.52 0.00	26.29 0.44 0.00	25.61 0.33 0.00	25.05 0.35 0.00	24.75 0.34 0.00	25.40 0.30 0.00	26.25 0.59 0.00	28.33 0.39 0.00	34.10 0.34 -0.10	35.73 0.87 0.00	36.94 1.18 0.00	39.03 1.64 0.00	40.48 2.00 0.00	43.04 2.24 0.00	47.33 2.17 0.00	52.69 2.27 0.00	58.37 2.70 -0.54	56.68 2.52 -0.46	54.40 2.46 -0.61	44.18 1.90 -0.11	41.84 1.94 -0.23	37.47 1.51 0.00	34.96 1.25 -0.03
ORANGEVILLE_WT_PWR 323706	30.94 0.46 0.00	27.81 0.19 0.00	26.04 0.18 0.00	25.26 -0.03 0.00	24.70 0.00 0.00	24.41 0.00 0.00	25.05 -0.05 0.00	25.97 0.31 0.00	27.80 -0.14 0.00	33.36 -0.30 0.00	35.62 0.77 0.00	36.94 1.18 0.00	39.25 1.87 0.00	40.90 2.43 0.00	43.70 2.90 0.00	47.65 2.48 0.00	52.69 2.27 0.00	57.61 2.48 0.00	55.58 1.88 0.00	52.97 1.64 0.00	43.48 1.31 0.00	41.29 1.63 0.00	37.21 1.26 0.00	34.69 1.01 0.00
ORANGEVILLE___ESR 323794	30.94 0.46 0.00	27.81 0.19 0.00	26.04 0.18 0.00	25.26 -0.03 0.00	24.70 0.00 0.00	24.41 0.00 0.00	25.05 -0.05 0.00	25.97 0.31 0.00	27.80 -0.14 0.00	33.36 -0.30 0.00	35.62 0.77 0.00	36.94 1.18 0.00	39.25 1.87 0.00	40.90 2.43 0.00	43.70 2.90 0.00	47.65 2.48 0.00	52.69 2.27 0.00	57.61 2.48 0.00	55.58 1.88 0.00	52.97 1.64 0.00	43.48 1.31 0.00	41.29 1.63 0.00	37.21 1.26 0.00	34.69 1.01 0.00
OSWEGATCHIE___HYD 24044	26.87 -1.65 1.97	25.48 -1.44 0.70	24.46 -1.40 0.00	24.17 -1.11 0.00	23.59 -1.11 0.00	23.33 -1.07 0.00	24.09 -1.00 0.00	24.30 -1.36 0.00	25.57 -1.48 0.89	28.39 -1.85 3.42	28.79 -1.99 4.08	29.20 -2.04 4.52	30.00 -2.28 5.10	30.52 -2.31 5.65	31.54 -2.65 6.60	33.59 -2.98 8.59	36.08 -3.38 10.97	39.13 -3.42 12.58	51.37 -2.79 -0.46	49.89 -2.05 -0.62	40.80 -1.48 -0.11	38.35 -1.55 -0.24	30.55 -1.51 3.90	28.60 -1.62 3.47
OSWEGO___5 23606	29.99 -0.49 0.00	27.12 -0.50 0.00	25.36 -0.49 0.00	24.78 -0.51 0.00	24.23 -0.47 0.00	23.97 -0.44 0.00	24.57 -0.53 0.00	25.22 -0.44 0.00	27.38 -0.56 0.00	34.30 -0.67 -1.30	34.30 -0.56 0.00	35.26 -0.50 0.00	37.01 -0.37 0.00	38.17 -0.31 0.00	40.52 -0.28 0.00	44.71 -0.45 0.00	49.87 -0.55 0.00	61.42 -0.55 -6.85	58.86 -0.59 -5.75	58.53 -0.56 -7.77	43.08 -0.50 -1.41	42.25 -0.36 -2.95	35.53 -0.43 0.00	33.67 -0.44 -0.43
OSWEGO___6 23613	29.99 -0.49 0.00	27.12 -0.50 0.00	25.36 -0.49 0.00	24.78 -0.51 0.00	24.23 -0.47 0.00	23.97 -0.44 0.00	24.57 -0.53 0.00	25.22 -0.44 0.00	27.38 -0.56 0.00	34.30 -0.67 -1.30	34.30 -0.56 0.00	35.26 -0.50 0.00	37.01 -0.37 0.00	38.17 -0.31 0.00	40.52 -0.28 0.00	44.71 -0.45 0.00	49.87 -0.55 0.00	61.42 -0.55 -6.85	58.86 -0.59 -5.75	58.53 -0.56 -7.77	43.08 -0.50 -1.41	42.25 -0.36 -2.95	35.53 -0.43 0.00	33.67 -0.44 -0.43



OUTOKUMPU-AB___DRP 24206	30.67 0.18 0.00	27.56 -0.06 0.00	25.70 -0.16 0.00	25.01 -0.28 0.00	24.46 -0.25 0.00	24.19 -0.22 0.00	24.52 -0.58 0.00	24.97 -0.69 0.00	27.35 -0.59 0.00	32.76 -0.91 0.00	35.10 0.24 0.00	36.44 0.68 0.00	38.77 1.38 0.00	40.63 2.15 0.00	43.49 2.69 0.00	47.20 2.03 0.00	51.93 1.51 0.00	56.84 1.71 0.00	54.77 1.07 0.00	52.14 0.82 0.00	42.46 0.30 0.00	40.73 1.07 0.00	36.75 0.79 0.00	34.28 0.61 0.00
OXBOW___BTM 323836	30.15 -0.33 0.00	27.12 -0.50 0.00	25.39 -0.46 0.00	24.60 -0.68 0.00	24.06 -0.64 0.00	23.80 -0.61 0.00	24.42 -0.68 0.00	25.22 -0.44 0.00	26.87 -1.06 0.00	32.15 -1.51 0.00	34.65 -0.21 0.00	35.97 0.22 0.00	38.32 0.93 0.00	40.09 1.62 0.00	42.88 2.08 0.00	46.52 1.35 0.00	51.33 0.91 0.00	56.01 0.88 0.00	53.97 0.27 0.00	51.37 0.05 0.00	42.25 0.08 0.00	40.22 0.55 0.00	36.24 0.29 0.00	33.81 0.14 0.00
OXBOW___ 24026	30.15 -0.34 0.00	27.12 -0.50 0.00	25.29 -0.57 0.00	24.60 -0.68 0.00	24.06 -0.64 0.00	23.80 -0.61 0.00	24.12 -0.98 0.00	24.53 -1.13 0.00	26.87 -1.06 0.00	32.15 -1.51 0.00	34.51 -0.35 0.00	35.79 0.04 0.00	38.09 0.71 0.00	39.90 1.42 0.00	42.68 1.88 0.00	46.34 1.17 0.00	50.97 0.55 0.00	55.73 0.61 0.00	53.75 0.05 0.00	51.12 -0.21 0.00	41.66 -0.51 0.00	39.98 0.32 0.00	36.14 0.18 0.00	33.71 0.03 0.00
OXY_CHEM_DSASP 323612	29.69 -0.79 0.00	26.73 -0.88 0.00	24.92 -0.93 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	23.79 -1.31 0.00	24.14 -1.51 0.00	26.46 -1.48 0.00	31.64 -2.02 0.00	33.95 -0.91 0.00	35.22 -0.54 0.00	37.46 0.07 0.00	39.21 0.73 0.00	41.86 1.06 0.00	45.44 0.27 0.00	49.97 -0.45 0.00	54.69 -0.44 0.00	52.68 -1.02 0.00	50.14 -1.18 0.00	40.95 -1.22 0.00	39.30 -0.36 0.00	35.56 -0.40 0.00	33.17 -0.51 0.00
OZONE_PARK_ESR 323760	33.32 2.83 0.00	30.05 2.43 0.00	28.03 2.17 0.00	27.41 2.12 0.00	26.70 2.00 0.00	26.36 1.95 0.00	27.26 2.16 0.00	28.02 2.36 0.00	30.76 2.82 0.00	37.20 3.53 0.00	38.45 3.59 0.00	39.33 3.58 0.00	41.16 3.78 0.00	42.13 3.66 0.00	44.76 3.96 0.00	49.82 4.65 0.00	55.56 5.14 0.00	60.69 5.57 0.00	58.80 5.10 0.00	55.74 4.41 0.00	45.63 3.46 0.00	42.99 3.33 0.00	39.30 3.34 0.00	36.84 3.17 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	29.69 -0.79 0.00	26.73 -0.88 0.00	24.92 -0.93 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	23.79 -1.31 0.00	24.14 -1.51 0.00	26.46 -1.48 0.00	31.64 -2.02 0.00	33.95 -0.91 0.00	35.22 -0.54 0.00	37.46 0.07 0.00	39.21 0.73 0.00	41.86 1.06 0.00	45.44 0.27 0.00	49.97 -0.45 0.00	54.69 -0.44 0.00	52.68 -1.02 0.00	50.14 -1.18 0.00	40.95 -1.22 0.00	39.30 -0.36 0.00	35.56 -0.40 0.00	33.17 -0.51 0.00
PACKARD___115KV_DUPONT_184 80571	29.69 -0.79 0.00	26.73 -0.88 0.00	24.92 -0.93 0.00	24.25 -1.04 0.00	23.74 -0.96 0.00	23.48 -0.93 0.00	23.79 -1.31 0.00	24.14 -1.51 0.00	26.46 -1.48 0.00	31.64 -2.02 0.00	33.95 -0.91 0.00	35.22 -0.54 0.00	37.46 0.07 0.00	39.21 0.73 0.00	41.86 1.06 0.00	45.44 0.27 0.00	49.97 -0.45 0.00	54.69 -0.44 0.00	52.68 -1.02 0.00	50.14 -1.18 0.00	40.95 -1.22 0.00	39.30 -0.36 0.00	35.56 -0.40 0.00	33.17 -0.51 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	33.14 2.65 0.00	29.88 2.26 0.00	27.85 1.99 0.00	27.23 1.95 0.00	26.51 1.80 0.00	26.04 1.64 0.00	26.91 1.81 0.00	27.58 1.92 0.00	30.31 2.37 0.00	36.66 3.00 0.00	37.89 3.03 0.00	38.73 2.97 0.00	40.49 3.10 0.00	41.40 2.92 0.00	43.90 3.10 0.00	48.78 3.61 0.00	54.35 3.93 0.00	59.37 4.24 0.00	57.57 3.87 0.00	54.45 3.13 0.01	44.74 2.57 0.00	42.24 2.58 0.00	38.69 2.73 0.00	36.57 2.90 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	33.38 2.90 0.00	30.10 2.49 0.00	28.05 2.20 0.00	27.46 2.17 0.00	26.70 2.00 0.00	26.24 1.83 0.00	27.13 2.03 0.00	27.81 2.16 0.00	30.53 2.60 0.00	36.93 3.27 0.00	38.17 3.31 0.00	39.05 3.29 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.31 3.51 0.00	49.28 4.11 0.00	54.96 4.54 0.00	60.03 4.91 0.00	58.26 4.56 0.00	55.11 3.80 0.01	45.20 3.04 0.00	42.68 3.01 0.00	39.09 3.13 0.00	36.98 3.30 0.00
PATROON___115KV_TB1 80586	31.49 1.01 0.00	28.55 0.94 0.00	26.68 0.83 0.00	26.09 0.81 0.00	25.49 0.79 0.00	25.14 0.73 0.00	25.88 0.78 0.00	26.40 0.74 0.00	28.75 0.81 0.00	34.78 1.11 0.00	35.83 0.98 0.00	36.69 0.93 0.00	38.36 0.97 0.00	39.32 0.85 0.00	41.74 0.94 0.00	46.39 1.22 0.00	51.93 1.51 0.00	56.84 1.71 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.43 1.27 0.00	40.81 1.15 0.00	36.89 0.93 0.00	34.65 0.98 0.00
PATTRSNVILLE___SOLAR 323815	32.04 1.55 0.00	29.02 1.41 0.00	27.15 1.29 0.00	26.50 1.21 0.00	25.86 1.16 0.00	25.53 1.12 0.00	26.23 1.13 0.00	26.74 1.08 0.00	29.14 1.20 0.00	35.18 1.52 0.00	36.29 1.43 0.00	37.19 1.43 0.00	38.99 1.61 0.00	40.02 1.54 0.00	42.47 1.67 0.00	47.20 2.03 0.00	52.79 2.37 0.00	57.83 2.70 0.00	56.76 3.06 0.00	54.20 2.87 0.00	44.53 2.36 0.00	41.88 2.22 0.00	37.79 1.83 0.00	35.43 1.75 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	30.91 0.43 0.00	27.75 0.14 0.00	25.88 0.03 0.00	25.18 -0.10 0.00	24.63 -0.07 0.00	24.36 -0.05 0.00	24.75 -0.35 0.00	25.32 -0.33 0.00	27.71 -0.22 0.00	33.29 -0.37 0.00	35.63 0.77 0.00	36.94 1.18 0.00	39.29 1.91 0.00	41.17 2.69 0.00	44.10 3.30 0.00	48.06 2.89 0.00	52.99 2.57 0.00	57.99 2.87 0.00	55.79 2.09 0.00	53.02 1.69 0.00	43.05 0.89 0.00	41.21 1.55 0.00	37.18 1.22 0.00	34.65 0.98 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	33.07 2.59 0.00	29.88 2.26 0.00	27.90 2.04 0.00	27.26 1.97 0.00	26.58 1.88 0.00	26.26 1.85 0.00	27.11 2.01 0.00	27.74 2.08 0.00	30.42 2.49 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.94 3.18 0.00	40.79 3.40 0.00	41.86 3.39 0.00	44.55 3.75 0.00	49.73 4.56 0.00	55.56 5.14 0.00	60.92 5.79 0.00	58.96 5.26 0.00	55.94 4.62 0.00	45.54 3.37 0.00	42.87 3.21 0.00	39.05 3.09 0.00	36.54 2.86 0.00
PEEKSKILL___ 23653	32.68 2.20 0.00	29.52 1.90 0.00	27.64 1.78 0.00	26.95 1.67 0.00	26.31 1.60 0.00	25.97 1.56 0.00	26.78 1.68 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.43 2.76 0.00	37.61 2.75 0.00	38.44 2.68 0.00	40.30 2.92 0.00	41.32 2.85 0.00	43.90 3.10 0.00	48.82 3.66 0.00	54.56 4.14 0.00	59.59 4.46 0.00	57.73 4.03 0.00	54.76 3.44 0.00	44.74 2.57 0.00	42.16 2.50 0.00	38.33 2.37 0.00	36.03 2.36 0.00
PGE MADISON___WINDPWR 24146	33.26 2.77 0.00	29.96 2.35 0.00	27.98 2.12 0.00	27.31 2.02 0.00	26.65 1.95 0.00	26.36 1.95 0.00	27.26 2.16 0.00	29.12 3.46 0.00	31.57 3.63 0.00	38.19 4.44 -0.08	39.39 4.53 0.00	40.34 4.58 0.00	43.18 5.79 0.00	44.44 5.96 0.00	46.92 6.12 0.00	51.67 6.51 0.00	57.68 7.26 0.00	61.83 6.06 -0.63	60.67 6.44 -0.53	58.97 6.93 -0.72	47.65 5.36 -0.13	45.17 5.23 -0.27	40.34 4.39 0.00	37.39 3.67 -0.04



PIERCEFIELD___HYD 23852	25.49 -2.10 2.90	24.79 -1.79 1.03	24.61 -1.24 0.00	24.07 -1.21 0.00	23.52 -1.19 0.00	23.26 -1.15 0.00	24.04 -1.05 0.00	24.56 -1.10 0.00	24.89 -1.73 1.31	26.37 -2.15 5.14	26.58 -2.27 6.02	26.77 -2.32 6.66	27.18 -2.69 7.52	27.43 -2.73 8.32	27.89 -3.18 9.73	28.80 -3.70 12.66	30.13 -4.13 16.16	31.49 -4.58 19.06	49.91 -4.03 -0.24	48.46 -3.18 -0.32	40.03 -2.19 -0.06	37.36 -2.42 -0.12	27.88 -2.34 5.74	26.25 -2.29 5.14
PINELAWN_CC_1 323563	39.99 3.08 -6.43	38.99 2.73 -8.64	38.18 2.54 -9.79	36.56 2.38 -8.90	35.37 2.27 -8.39	36.37 2.22 -9.74	36.23 2.39 -8.75	37.02 2.59 -8.77	38.47 3.02 -7.51	39.15 3.70 -1.78	38.49 3.14 -0.49	44.93 3.08 -6.09	46.14 3.29 -5.46	47.36 2.96 -5.92	49.79 3.06 -5.93	55.18 3.66 -6.36	67.21 4.18 -12.61	80.40 4.46 -20.81	63.41 3.92 -5.79	60.01 3.18 -5.50	50.62 2.57 -5.88	48.26 2.50 -6.10	38.73 2.77 0.00	36.71 3.03 0.00
PJM_GEN_HTTP_PROXY 323702	32.92 2.44 0.00	29.71 2.10 0.00	27.82 1.96 0.00	27.13 1.84 0.00	26.46 1.75 0.00	26.09 1.68 0.00	26.96 1.86 0.00	27.74 2.08 0.00	30.42 2.49 0.00	36.76 3.10 0.00	38.00 3.14 0.00	38.83 3.08 0.00	40.71 3.33 0.00	41.67 3.19 0.00	44.23 3.43 0.00	49.18 4.02 0.00	54.91 4.49 0.00	59.98 4.74 -0.11	57.94 4.35 0.11	55.02 3.70 0.00	44.95 2.78 0.00	42.40 2.73 0.00	38.65 2.70 0.00	36.37 2.70 0.00
PJM_GEN_KEystone 24065	31.46 0.98 0.00	28.39 0.77 0.00	26.58 0.72 0.00	25.87 0.58 0.00	25.27 0.57 0.00	24.94 0.54 0.00	25.33 0.58 0.35	26.88 0.87 -0.35	28.83 0.89 0.00	34.74 1.08 0.00	36.36 1.50 0.00	37.40 1.65 0.00	39.44 2.05 0.00	40.71 2.23 0.00	43.18 2.53 0.15	47.34 2.66 0.49	52.35 2.82 0.89	57.03 3.03 1.13	54.84 2.36 1.22	52.37 1.95 0.90	43.38 1.43 0.23	41.15 1.55 0.06	37.36 1.40 0.00	34.96 1.28 0.00
PJM_GEN_NEPTUNE_PROXY 323594	36.55 2.62 -3.45	34.55 2.29 -4.64	33.26 2.14 -5.26	32.09 2.02 -4.78	31.14 1.93 -4.51	31.52 1.88 -5.23	31.83 2.03 -4.70	32.60 2.23 -4.71	34.60 2.63 -4.04	37.88 3.26 -0.95	37.89 3.03 0.00	38.80 3.04 0.00	40.63 3.25 0.00	41.59 3.12 0.00	44.02 3.22 0.00	48.96 3.79 0.00	54.70 4.28 0.00	59.76 4.52 -0.11	57.56 3.97 0.11	54.61 3.29 0.00	44.78 2.62 0.00	42.20 2.54 0.00	38.55 2.59 0.00	36.23 2.56 0.00
PJM_GEN_VFT_PROXY 323633	32.80 2.32 0.00	29.60 1.99 0.00	27.69 1.84 0.00	27.01 1.72 0.00	26.33 1.63 0.00	26.02 1.61 0.00	26.86 1.76 0.00	27.63 1.98 0.00	30.34 2.40 0.00	36.66 3.00 0.00	37.86 3.00 0.00	38.69 2.93 0.00	40.49 3.10 0.00	41.40 2.92 0.00	41.82 3.14 2.12	41.82 3.66 7.00	41.77 4.08 12.74	41.88 4.30 17.55	41.65 3.92 15.97	41.82 3.33 12.84	41.44 2.49 3.22	41.24 2.46 0.88	38.51 2.55 0.00	36.23 2.56 0.00
PLATSBURG_115KV_PMLD1 355749	30.43 0.18 0.24	27.78 0.25 0.08	26.27 0.41 0.00	25.69 0.40 0.00	25.10 0.40 0.00	24.92 0.51 0.00	25.70 0.60 0.00	26.30 0.64 0.00	28.39 0.56 0.11	33.88 0.64 0.42	35.10 0.73 0.49	36.04 0.82 0.54	37.41 0.64 0.61	38.53 0.73 0.68	40.46 0.45 0.79	43.23 -0.90 1.03	47.99 -1.11 1.32	51.57 -1.98 1.58	52.20 -1.50 0.00	50.50 -0.82 0.00	42.80 0.63 0.00	39.38 -0.28 0.00	34.92 -0.54 0.49	32.42 -0.81 0.44
PLEASANTVLY___LBMP 24000	32.40 1.92 0.00	29.30 1.68 0.00	27.38 1.53 0.00	26.78 1.49 0.00	26.14 1.43 0.00	25.77 1.37 0.00	26.60 1.51 0.00	27.25 1.59 0.00	29.81 1.87 0.00	36.02 2.36 0.00	37.16 2.30 0.00	38.01 2.25 0.00	39.74 2.36 0.00	40.75 2.27 0.00	43.29 2.49 0.00	48.15 2.98 0.00	53.85 3.43 0.00	58.82 3.69 0.00	57.03 3.33 0.00	54.20 2.87 0.00	44.40 2.23 0.00	41.80 2.14 0.00	38.04 2.09 0.00	35.73 2.05 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	32.77 2.29 0.00	29.60 1.99 0.00	27.66 1.81 0.00	27.03 1.74 0.00	26.36 1.66 0.00	26.02 1.61 0.00	26.88 1.78 0.00	27.56 1.90 0.00	30.20 2.26 0.00	36.53 2.86 0.00	37.72 2.86 0.00	38.58 2.82 0.00	40.37 2.99 0.00	41.36 2.89 0.00	43.94 3.14 0.00	48.91 3.75 0.00	54.71 4.29 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.97 3.64 0.00	44.95 2.78 0.00	42.32 2.66 0.00	38.58 2.62 0.00	36.17 2.49 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	32.77 2.29 0.00	29.60 1.99 0.00	27.66 1.81 0.00	27.03 1.74 0.00	26.36 1.66 0.00	26.02 1.61 0.00	26.88 1.78 0.00	27.56 1.90 0.00	30.20 2.26 0.00	36.53 2.86 0.00	37.72 2.86 0.00	38.58 2.82 0.00	40.37 2.99 0.00	41.36 2.89 0.00	43.94 3.14 0.00	48.91 3.75 0.00	54.71 4.29 0.00	59.70 4.58 0.00	57.89 4.19 0.00	54.97 3.64 0.00	44.95 2.78 0.00	42.32 2.66 0.00	38.58 2.62 0.00	36.17 2.49 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	32.68 2.19 0.00	29.55 1.93 0.00	27.61 1.76 0.00	26.98 1.69 0.00	26.33 1.63 0.00	25.97 1.56 0.00	26.81 1.71 0.00	27.38 1.72 0.00	29.98 2.04 0.00	36.26 2.59 0.00	37.40 2.54 0.00	38.26 2.50 0.00	40.04 2.65 0.00	41.09 2.62 0.00	43.70 2.90 0.00	48.64 3.48 0.00	54.60 4.18 0.00	59.59 4.47 0.00	57.84 4.13 0.00	54.97 3.64 0.00	44.91 2.74 0.00	42.28 2.62 0.00	38.47 2.52 0.00	36.07 2.39 0.00
POLETTI_____ 23519	32.92 2.44 0.00	29.71 2.10 0.00	27.74 1.89 0.00	27.13 1.85 0.00	26.43 1.73 0.00	26.09 1.68 0.00	26.96 1.86 0.00	27.71 2.05 0.00	30.39 2.46 0.00	36.76 3.10 0.00	37.96 3.10 0.00	38.87 3.11 0.00	40.64 3.25 0.00	41.56 3.08 0.00	44.10 3.30 0.00	49.10 3.93 0.00	54.81 4.39 0.00	59.81 4.69 0.00	58.00 4.30 0.00	54.97 3.64 0.00	44.99 2.83 0.00	42.44 2.78 0.00	38.80 2.84 0.00	36.37 2.69 0.00
POMONA___ESR 323819	32.68 2.20 0.00	29.52 1.90 0.00	27.64 1.78 0.00	26.95 1.67 0.00	26.29 1.58 0.00	25.94 1.54 0.00	26.78 1.68 0.00	27.51 1.85 0.00	30.14 2.21 0.00	36.46 2.79 0.00	37.61 2.75 0.00	38.47 2.72 0.00	40.34 2.95 0.00	41.36 2.89 0.00	43.98 3.18 0.00	48.91 3.75 0.00	54.70 4.28 0.00	59.70 4.57 0.00	57.78 4.08 0.00	54.82 3.49 0.00	44.74 2.57 0.00	42.16 2.50 0.00	38.37 2.41 0.00	36.07 2.39 0.00
PORT_JEFF_3 23555	40.23 3.11 -6.64	39.14 2.87 -8.65	38.31 2.66 -9.79	36.66 2.48 -8.90	35.47 2.37 -8.39	36.47 2.32 -9.74	36.33 2.49 -8.75	37.15 2.72 -8.77	38.63 3.18 -7.51	39.40 3.90 -1.84	45.72 3.38 -7.48	132.22 3.33 -93.14	124.44 3.55 -83.50	132.22 3.35 -90.40	134.87 3.47 -90.60	146.23 3.93 -97.14	247.54 4.44 -192.68	377.76 4.68 -317.95	146.28 4.08 -88.50	138.96 3.54 -84.10	134.87 2.83 -89.88	135.58 2.73 -93.18	38.88 2.91 -0.01	36.58 2.90 -0.01
PORT_JEFF_4 23616	40.23 3.11 -6.64	39.14 2.87 -8.65	38.31 2.66 -9.79	36.66 2.48 -8.90	35.47 2.37 -8.39	36.47 2.32 -9.74	36.33 2.49 -8.75	37.15 2.72 -8.77	38.63 3.18 -7.51	39.40 3.90 -1.84	45.72 3.38 -7.48	132.22 3.33 -93.14	124.44 3.55 -83.50	132.22 3.35 -90.40	134.87 3.47 -90.60	146.23 3.93 -97.14	247.54 4.44 -192.68	377.76 4.68 -317.95	146.28 4.08 -88.50	138.96 3.54 -84.10	134.87 2.83 -89.88	135.58 2.73 -93.18	38.88 2.91 -0.01	36.58 2.90 -0.01



PORT_JEFF_IC 23713	40.36 3.20 -6.67	39.20 2.93 -8.66	38.29 2.64 -9.79	36.71 2.53 -8.90	35.52 2.42 -8.39	36.51 2.37 -9.74	36.40 2.56 -8.75	37.18 2.75 -8.77	38.72 3.27 -7.51	39.48 3.97 -1.85	46.94 3.45 -8.63	146.61 3.47 -107.38	137.24 3.59 -96.27	146.05 3.35 -104.22	148.77 3.51 -104.46	161.27 4.11 -111.99	277.25 4.69 -222.15	426.66 4.96 -366.57	160.09 4.35 -102.04	151.98 3.70 -96.96	148.83 3.04 -103.62	150.11 3.01 -107.43	39.10 3.13 -0.01	36.79 3.10 -0.01
PPL PILGRIM_ST_GT1 24216	40.15 3.20 -6.46	39.22 2.96 -8.64	38.39 2.74 -9.79	36.74 2.55 -8.90	35.54 2.45 -8.39	36.56 2.42 -9.74	36.43 2.59 -8.75	37.23 2.80 -8.77	38.72 3.27 -7.51	39.39 3.94 -1.79	40.06 3.66 -1.54	58.36 3.43 -19.16	58.23 3.67 -17.18	60.42 3.35 -18.60	62.95 3.51 -18.64	69.26 4.11 -19.99	94.80 4.74 -39.65	125.57 5.02 -65.42	76.31 4.40 -18.21	72.32 3.70 -17.30	63.61 2.95 -18.49	61.69 2.86 -19.17	39.20 3.24 0.00	36.84 3.16 0.00
PPL PILGRIM_ST_GT2 24217	40.15 3.20 -6.46	39.22 2.96 -8.64	38.39 2.74 -9.79	36.74 2.55 -8.90	35.54 2.45 -8.39	36.56 2.42 -9.74	36.43 2.59 -8.75	37.23 2.80 -8.77	38.72 3.27 -7.51	39.39 3.94 -1.79	40.06 3.66 -1.54	58.36 3.43 -19.16	58.23 3.67 -17.18	60.42 3.35 -18.60	62.95 3.51 -18.64	69.26 4.11 -19.99	94.80 4.74 -39.65	125.57 5.02 -65.42	76.31 4.40 -18.21	72.32 3.70 -17.30	63.61 2.95 -18.49	61.69 2.86 -19.17	39.20 3.24 0.00	36.84 3.16 0.00
PPL_SHRM_GT3 24213	40.32 3.20 -6.64	39.17 2.90 -8.65	38.31 2.66 -9.79	36.61 2.43 -8.90	35.44 2.35 -8.39	36.44 2.29 -9.74	36.30 2.46 -8.75	37.12 2.69 -8.77	38.66 3.21 -7.51	39.51 4.00 -1.84	46.23 3.73 -7.64	134.66 3.79 -95.12	126.70 4.04 -85.28	134.64 3.85 -92.32	137.41 4.08 -92.53	149.11 4.74 -99.20	252.64 5.45 -196.78	385.52 5.68 -324.71	149.24 5.16 -90.38	141.62 4.41 -85.89	137.45 3.50 -91.79	138.19 3.37 -95.16	39.27 3.31 -0.01	36.89 3.20 -0.01
PPL_SHRM_GT4 24214	40.32 3.20 -6.64	39.17 2.90 -8.65	38.31 2.66 -9.79	36.61 2.43 -8.90	35.44 2.35 -8.39	36.44 2.29 -9.74	36.30 2.46 -8.75	37.12 2.69 -8.77	38.66 3.21 -7.51	39.51 4.00 -1.84	46.23 3.73 -7.64	134.66 3.79 -95.12	126.70 4.04 -85.28	134.64 3.85 -92.32	137.41 4.08 -92.53	149.11 4.74 -99.20	252.64 5.45 -196.78	385.52 5.68 -324.71	149.24 5.16 -90.38	141.62 4.41 -85.89	137.45 3.50 -91.79	138.19 3.37 -95.16	39.27 3.31 -0.01	36.89 3.20 -0.01
PROJECT___ORANGE 1 24174	30.43 0.03 0.08	27.53 -0.06 0.03	25.73 -0.13 0.00	25.16 -0.13 0.00	24.60 -0.10 0.00	24.31 -0.10 0.00	24.90 -0.20 0.00	25.50 -0.15 0.00	27.79 -0.11 0.04	33.58 -0.10 -0.01	34.69 0.00 0.17	35.68 0.11 0.18	37.47 0.30 0.21	38.71 0.46 0.23	41.06 0.53 0.27	45.31 0.50 0.35	50.43 0.45 0.45	56.03 0.55 -0.35	54.88 0.43 -0.75	52.74 0.41 -1.01	42.56 0.21 -0.18	40.32 0.28 -0.38	36.01 0.22 0.16	33.79 0.20 0.09
PROJECT___ORANGE 2 24166	30.43 0.03 0.08	27.53 -0.06 0.03	25.73 -0.13 0.00	25.16 -0.13 0.00	24.60 -0.10 0.00	24.31 -0.10 0.00	24.90 -0.20 0.00	25.50 -0.15 0.00	27.79 -0.11 0.04	33.58 -0.10 -0.01	34.69 0.00 0.17	35.68 0.11 0.18	37.47 0.30 0.21	38.71 0.46 0.23	41.06 0.53 0.27	45.31 0.50 0.35	50.43 0.45 0.45	56.03 0.55 -0.35	54.88 0.43 -0.75	52.74 0.41 -1.01	42.56 0.21 -0.18	40.32 0.28 -0.38	36.01 0.22 0.16	33.79 0.20 0.09
PUCKETT___SOLAR 323809	31.61 1.13 0.00	28.53 0.91 0.00	26.66 0.80 0.00	25.99 0.71 0.00	25.42 0.72 0.00	25.11 0.71 0.00	25.83 0.73 0.00	26.71 1.05 0.00	28.94 1.00 0.00	34.94 1.18 -0.10	36.22 1.36 0.00	37.19 1.43 0.00	39.29 1.91 0.00	40.55 2.08 0.00	43.08 2.28 0.00	47.56 2.39 0.00	53.09 2.67 0.00	58.57 2.86 -0.58	56.98 2.79 -0.49	54.81 2.82 -0.66	44.48 2.19 -0.12	42.09 2.18 -0.25	37.79 1.83 0.00	35.23 1.52 -0.04
PYRITES___HYD 24023	25.86 -1.55 3.07	25.26 -1.27 1.09	25.11 -0.75 0.00	24.55 -0.73 0.00	23.96 -0.74 0.00	23.70 -0.71 0.00	24.52 -0.58 0.00	25.02 -0.64 0.00	25.29 -1.26 1.39	26.60 -1.62 5.45	26.78 -1.71 6.37	26.91 -1.79 7.06	27.33 -2.09 7.96	27.55 -2.12 8.81	27.96 -2.53 10.31	28.77 -2.98 13.41	29.98 -3.33 17.12	31.26 -3.64 20.23	50.96 -2.95 -0.22	49.62 -2.00 -0.29	41.04 -1.18 -0.05	38.31 -1.47 -0.11	28.33 -1.55 6.08	26.65 -1.58 5.45
QUAKERRD_115KV_BK1 80622	30.09 -0.40 0.00	27.12 -0.50 0.00	25.29 -0.57 0.00	24.65 -0.63 0.00	24.11 -0.59 0.00	23.84 -0.56 0.00	24.32 -0.78 0.00	24.86 -0.80 0.00	27.18 -0.75 0.00	32.69 -0.98 0.00	34.44 -0.42 0.00	35.62 -0.14 0.00	37.57 0.19 0.00	39.05 0.58 0.00	41.49 0.69 0.00	45.53 0.36 0.00	50.42 0.00 0.00	55.40 0.28 0.00	53.70 0.00 0.00	51.22 -0.10 0.00	42.00 -0.17 0.00	39.82 0.16 0.00	35.92 -0.04 0.00	33.54 -0.13 0.00
QUENSBRY_115KV_TB8 356137	32.56 2.07 0.00	29.55 1.93 0.00	27.51 1.65 0.00	26.90 1.62 0.00	26.28 1.58 0.00	25.92 1.51 0.00	26.63 1.53 0.00	27.17 1.51 0.00	29.64 1.70 0.00	35.99 2.32 0.00	36.78 1.92 0.00	37.69 1.93 0.00	39.51 2.13 0.00	40.44 1.96 0.00	42.88 2.08 0.00	47.83 2.66 0.00	53.50 3.08 0.00	58.71 3.58 0.00	58.21 4.51 0.00	55.48 4.16 0.00	45.88 3.71 0.00	42.99 3.33 0.00	38.69 2.73 0.00	36.13 2.46 0.00
RAMAPO___LBMP 323565	32.53 2.04 0.00	29.38 1.77 0.00	27.43 1.58 0.00	26.83 1.54 0.00	26.18 1.48 0.00	25.82 1.42 0.00	26.68 1.58 0.00	27.38 1.72 0.00	30.00 2.07 0.00	36.26 2.59 0.00	37.44 2.58 0.00	38.33 2.57 0.00	40.11 2.73 0.00	41.13 2.65 0.00	43.70 2.90 0.00	48.64 3.48 0.00	54.35 3.93 0.00	59.37 4.24 0.00	57.46 3.76 0.00	54.56 3.23 0.00	44.61 2.45 0.00	42.00 2.34 0.00	38.29 2.34 0.00	35.90 2.22 0.00
RANKINE____ 23646	30.91 0.43 0.00	27.78 0.17 0.00	25.91 0.05 0.00	25.21 -0.08 0.00	24.65 -0.05 0.00	24.38 -0.02 0.00	24.75 -0.35 0.00	25.27 -0.38 0.00	27.66 -0.28 0.00	33.19 -0.47 0.00	35.52 0.66 0.00	36.87 1.11 0.00	39.18 1.79 0.00	41.05 2.58 0.00	43.94 3.14 0.00	47.79 2.62 0.00	52.64 2.22 0.00	57.61 2.48 0.00	55.53 1.83 0.00	52.81 1.49 0.00	42.93 0.76 0.00	41.13 1.47 0.00	37.14 1.19 0.00	34.62 0.94 0.00
RAVENSWOOD_GT2_1 24244	32.98 2.50 0.00	29.74 2.13 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.44 2.76 0.00
RAVENSWOOD_GT2_2 24245	32.98 2.50 0.00	29.74 2.13 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.44 2.76 0.00



RAVENSWOOD_GT2_3 24246	32.98 2.50 0.00	29.77 2.15 0.00	27.79 1.94 0.00	27.18 1.90 0.00	26.48 1.78 0.00	26.14 1.73 0.00	27.03 1.93 0.00	27.76 2.10 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.94 3.18 0.00	40.71 3.33 0.00	41.67 3.19 0.00	44.23 3.43 0.00	49.19 4.02 0.00	54.91 4.49 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.07 3.75 0.00	45.12 2.95 0.00	42.52 2.86 0.00	38.87 2.91 0.00	36.44 2.76 0.00
RAVENSWOOD_GT2_4 24247	32.98 2.50 0.00	29.77 2.15 0.00	27.79 1.94 0.00	27.18 1.90 0.00	26.48 1.78 0.00	26.14 1.73 0.00	27.03 1.93 0.00	27.76 2.10 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.03 3.17 0.00	38.94 3.18 0.00	40.71 3.33 0.00	41.67 3.19 0.00	44.23 3.43 0.00	49.19 4.02 0.00	54.91 4.49 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.07 3.75 0.00	45.12 2.95 0.00	42.52 2.86 0.00	38.87 2.91 0.00	36.44 2.76 0.00
RAVENSWOOD_GT3_1 24248	32.98 2.50 0.00	29.77 2.15 0.00	27.79 1.94 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.44 2.76 0.00
RAVENSWOOD_GT3_2 24249	32.98 2.50 0.00	29.77 2.15 0.00	27.79 1.94 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.44 2.76 0.00
RAVENSWOOD_GT3_3 24250	33.01 2.53 0.00	29.80 2.18 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.79 2.13 0.00	30.51 2.57 0.00	36.86 3.20 0.00	38.10 3.24 0.00	38.98 3.22 0.00	40.75 3.36 0.00	41.71 3.23 0.00	44.27 3.47 0.00	49.28 4.11 0.00	54.96 4.54 0.00	59.98 4.85 0.00	58.16 4.46 0.00	55.12 3.80 0.00	45.16 2.99 0.00	42.56 2.90 0.00	38.91 2.95 0.00	36.51 2.83 0.00
RAVENSWOOD_GT3_4 24251	33.01 2.53 0.00	29.80 2.18 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.79 2.13 0.00	30.51 2.57 0.00	36.86 3.20 0.00	38.10 3.24 0.00	38.98 3.22 0.00	40.75 3.36 0.00	41.71 3.23 0.00	44.27 3.47 0.00	49.28 4.11 0.00	54.96 4.54 0.00	59.98 4.85 0.00	58.16 4.46 0.00	55.12 3.80 0.00	45.16 2.99 0.00	42.56 2.90 0.00	38.91 2.95 0.00	36.51 2.83 0.00
RAVENSWOOD_GT_1 23729	33.11 2.62 0.00	29.88 2.26 0.00	27.87 2.02 0.00	27.26 1.97 0.00	26.56 1.85 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.76 2.10 0.00	30.51 2.57 0.00	36.90 3.23 0.00	38.14 3.28 0.00	38.98 3.22 0.00	40.71 3.33 0.00	41.67 3.19 0.00	44.23 3.43 0.00	49.14 3.97 0.00	54.76 4.34 0.00	59.76 4.63 0.00	57.94 3.54 0.00	54.86 3.54 0.01	45.04 2.87 0.00	42.48 2.82 0.00	38.91 2.95 0.00	36.57 2.90 0.00
RAVENSWOOD_GT_10 24258	32.98 2.50 0.00	29.77 2.15 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.44 2.76 0.00
RAVENSWOOD_GT_11 24259	32.98 2.50 0.00	29.77 2.15 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.44 2.76 0.00
RAVENSWOOD_GT_4 24252	32.95 2.47 0.00	29.74 2.13 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.14 1.73 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.19 4.02 0.00	54.91 4.49 0.00	59.92 4.80 0.00	58.10 4.40 0.00	55.07 3.75 0.00	45.12 2.95 0.00	42.52 2.86 0.00	38.84 2.88 0.00	36.41 2.73 0.00
RAVENSWOOD_GT_5 24254	32.95 2.47 0.00	29.74 2.13 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.14 1.73 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.19 4.02 0.00	54.91 4.49 0.00	59.92 4.80 0.00	58.10 4.40 0.00	55.07 3.75 0.00	45.12 2.95 0.00	42.52 2.86 0.00	38.84 2.88 0.00	36.41 2.73 0.00
RAVENSWOOD_GT_6 24253	32.95 2.47 0.00	29.74 2.13 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.14 1.73 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.19 4.02 0.00	54.91 4.49 0.00	59.92 4.80 0.00	58.10 4.40 0.00	55.07 3.75 0.00	45.12 2.95 0.00	42.52 2.86 0.00	38.84 2.88 0.00	36.41 2.73 0.00
RAVENSWOOD_GT_7 24255	32.95 2.47 0.00	29.74 2.13 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.14 1.73 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.19 4.02 0.00	54.91 4.49 0.00	59.92 4.80 0.00	58.10 4.40 0.00	55.07 3.75 0.00	45.12 2.95 0.00	42.52 2.86 0.00	38.84 2.88 0.00	36.41 2.73 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	32.98 2.50 0.00	29.77 2.15 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.44 2.76 0.00
RAVENSWOOD_GT_9 24257	32.98 2.50 0.00	29.77 2.15 0.00	27.77 1.91 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.80 3.13 0.00	38.03 3.17 0.00	38.91 3.15 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.19 3.39 0.00	49.14 3.97 0.00	54.86 4.44 0.00	59.87 4.74 0.00	58.05 4.35 0.00	55.02 3.70 0.00	45.08 2.91 0.00	42.48 2.82 0.00	38.83 2.88 0.00	36.44 2.76 0.00



RAVENSWOOD___1 23533	33.07 2.59 0.00	29.85 2.24 0.00	27.90 2.04 0.00	27.23 1.95 0.00	26.53 1.83 0.00	26.14 1.73 0.00	26.98 1.88 0.00	27.76 2.10 0.00	30.48 2.54 0.00	36.86 3.20 0.00	38.10 3.24 0.00	38.80 3.04 0.00	40.71 3.33 0.00	41.67 3.19 0.00	44.18 3.38 0.00	49.05 3.88 0.00	54.66 4.24 0.00	59.65 4.52 0.00	57.84 4.14 0.00	54.76 3.44 0.01	44.83 2.66 0.00	42.36 2.70 0.00	38.69 2.73 0.00	36.51 2.83 0.00
RAVENSWOOD___2 23534	33.01 2.53 0.00	29.77 2.16 0.00	27.85 1.99 0.00	27.18 1.90 0.00	26.46 1.75 0.00	26.09 1.68 0.00	26.93 1.83 0.00	27.68 2.03 0.00	30.42 2.49 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.72 3.22 0.00	40.60 3.12 0.00	41.59 3.12 0.00	44.10 3.30 0.00	48.73 3.57 0.00	54.20 3.78 0.00	59.15 4.02 0.00	57.35 3.65 0.00	54.29 2.98 0.01	44.70 2.53 0.00	42.28 2.62 0.00	38.62 2.66 0.00	36.44 2.76 0.00
RAVENSWOOD___3 23535	32.98 2.50 0.00	29.77 2.16 0.00	27.85 1.99 0.00	27.16 1.87 0.00	26.48 1.78 0.00	26.11 1.71 0.00	26.98 1.88 0.00	27.76 2.10 0.00	30.45 2.52 0.00	36.80 3.13 0.00	38.00 3.14 0.00	38.80 3.04 0.00	40.67 3.29 0.00	41.67 3.19 0.00	44.23 3.43 0.00	49.14 3.98 0.00	54.86 4.44 0.00	59.81 4.68 0.00	58.00 4.30 0.00	54.97 3.64 0.00	44.91 2.74 0.00	42.40 2.73 0.00	38.69 2.73 0.00	36.40 2.73 0.00
RAVENSWOOD___4 23820	33.07 2.59 0.00	29.82 2.21 0.00	27.87 2.02 0.00	27.20 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	26.98 1.88 0.00	27.74 2.08 0.00	30.45 2.52 0.00	36.83 3.16 0.00	38.06 3.20 0.00	38.80 3.04 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.18 3.38 0.00	49.00 3.84 0.00	54.60 4.18 0.00	59.59 4.46 0.00	57.78 4.08 0.00	54.70 3.39 0.01	44.83 2.66 0.00	42.36 2.70 0.00	38.69 2.73 0.00	36.47 2.79 0.00
RCPL_TRUST___DRP 24196	32.98 2.50 0.00	29.77 2.15 0.00	27.79 1.94 0.00	27.18 1.90 0.00	26.51 1.80 0.00	26.14 1.73 0.00	27.03 1.93 0.00	27.79 2.13 0.00	30.48 2.54 0.00	36.86 3.20 0.00	38.10 3.24 0.00	38.98 3.22 0.00	40.82 3.44 0.00	41.75 3.27 0.00	44.35 3.55 0.00	49.32 4.16 0.00	55.06 4.64 0.00	60.09 4.96 0.00	58.26 4.56 0.00	55.22 3.90 0.00	45.20 3.04 0.00	42.60 2.93 0.00	38.91 2.95 0.00	36.47 2.80 0.00
RED___ROCHESTER 323720	31.00 0.52 0.00	27.89 0.28 0.00	26.06 0.21 0.00	25.31 0.03 0.00	24.75 0.05 0.00	24.45 0.05 0.00	25.12 0.03 0.00	25.91 0.26 0.00	27.88 -0.06 0.00	33.53 -0.13 0.00	35.56 0.70 0.00	36.83 1.07 0.00	38.99 1.61 0.00	40.51 2.04 0.00	43.08 2.28 0.00	47.15 1.99 0.00	52.29 1.87 0.00	57.27 2.15 0.00	55.58 1.88 0.00	52.97 1.64 0.00	43.64 1.48 0.00	41.29 1.63 0.00	37.18 1.22 0.00	34.65 0.98 0.00
REGAN___SOLAR 323812	34.51 4.02 0.00	31.32 3.70 0.00	29.06 3.21 0.00	28.32 3.03 0.00	27.67 2.96 0.00	27.26 2.85 0.00	28.01 2.91 0.00	28.61 2.95 0.00	31.23 3.29 0.00	37.91 4.24 0.00	38.97 4.11 0.00	40.05 4.29 0.00	42.32 4.93 0.00	43.33 4.85 0.00	46.06 5.27 0.00	51.49 6.32 0.00	57.73 7.31 0.00	63.78 8.66 0.00	63.53 9.83 0.00	60.25 8.93 0.00	49.42 7.26 0.00	46.32 6.66 0.00	41.42 5.46 0.00	38.56 4.88 0.00
RENSSELAER___COGEN 23796	31.27 0.79 0.00	28.36 0.75 0.00	26.55 0.70 0.00	25.92 0.63 0.00	25.32 0.62 0.00	24.97 0.56 0.00	25.68 0.58 0.00	26.17 0.51 0.00	28.55 0.61 0.00	34.51 0.84 0.00	35.56 0.70 0.00	36.40 0.64 0.00	37.95 0.56 0.00	38.94 0.46 0.00	41.33 0.53 0.00	45.89 0.72 0.00	51.38 0.96 0.00	56.17 1.04 0.00	54.77 1.07 0.00	52.19 0.87 0.00	42.88 0.72 0.00	40.34 0.67 0.00	36.42 0.47 0.00	34.28 0.61 0.00
REPUBLIC_115KV_BARTNBK 55605	34.54 4.05 0.00	31.37 3.76 0.00	29.09 3.23 0.00	28.37 3.08 0.00	27.72 3.01 0.00	27.33 2.93 0.00	28.06 2.96 0.00	28.69 3.03 0.00	31.32 3.38 0.00	38.18 4.51 0.00	39.04 4.18 0.00	40.05 4.29 0.00	42.13 4.75 0.00	42.94 4.46 0.00	45.49 4.69 0.00	50.90 5.74 0.00	56.97 6.55 0.00	62.79 7.66 0.00	62.56 8.86 0.00	59.64 8.31 0.00	49.29 7.13 0.00	46.13 6.46 0.00	41.31 5.36 0.00	38.46 4.78 0.00
REVERE_CPPR_DRP 24186	31.33 1.10 0.25	28.44 0.91 0.09	26.66 0.80 0.00	26.04 0.76 0.00	25.44 0.74 0.00	25.14 0.73 0.00	25.88 0.78 0.00	26.43 0.77 0.00	28.63 0.81 0.11	34.31 1.01 0.36	35.35 1.01 0.52	36.19 1.00 0.57	38.05 1.31 0.65	39.19 1.42 0.71	41.43 1.47 0.84	45.66 1.58 1.09	50.80 1.76 1.39	56.23 2.32 1.21	56.60 2.52 -0.38	54.60 2.77 -0.51	44.37 2.11 -0.09	41.92 2.06 -0.19	37.16 1.69 0.49	34.61 1.35 0.41
REYNOLDS_115KV_TB3 80639	31.52 1.04 0.00	28.58 0.97 0.00	26.73 0.88 0.00	26.17 0.88 0.00	25.57 0.86 0.00	25.21 0.81 0.00	25.95 0.85 0.00	26.43 0.77 0.00	28.80 0.87 0.00	34.78 1.11 0.00	35.83 0.98 0.00	36.69 0.93 0.00	38.32 0.93 0.00	39.29 0.81 0.00	41.70 0.90 0.00	46.34 1.17 0.00	51.88 1.46 0.00	56.73 1.60 0.00	55.31 1.61 0.00	52.66 1.33 0.00	43.31 1.14 0.00	40.73 1.07 0.00	36.86 0.90 0.00	34.65 0.98 0.00
RIVERBAY____ 323610	33.38 2.90 0.00	30.10 2.49 0.00	28.05 2.20 0.00	27.46 2.17 0.00	26.70 2.00 0.00	26.24 1.83 0.00	27.13 2.03 0.00	27.81 2.16 0.00	30.53 2.60 0.00	36.93 3.27 0.00	38.17 3.31 0.00	39.05 3.29 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.31 3.51 0.00	49.28 4.11 0.00	54.96 4.54 0.00	60.03 4.91 0.00	58.26 4.56 0.00	55.11 3.80 0.01	45.20 3.04 0.00	42.68 3.01 0.00	39.09 3.13 0.00	36.98 3.30 0.00
RIVERSIDE_115KV_TB3 55908	31.46 0.98 0.00	28.53 0.91 0.00	26.66 0.80 0.00	26.09 0.81 0.00	25.47 0.77 0.00	25.14 0.73 0.00	25.88 0.78 0.00	26.38 0.72 0.00	28.72 0.78 0.00	34.71 1.04 0.00	35.77 0.91 0.00	36.62 0.86 0.00	38.24 0.86 0.00	39.21 0.73 0.00	41.62 0.82 0.00	46.25 1.08 0.00	51.78 1.36 0.00	56.62 1.49 0.00	55.20 1.50 0.00	52.61 1.28 0.00	43.26 1.10 0.00	40.65 0.99 0.00	36.78 0.83 0.00	34.55 0.88 0.00
ROARING___BROOK_WT_PWR 323790	29.95 -0.67 -0.14	27.08 -0.58 -0.05	25.31 -0.54 0.00	24.85 -0.43 0.00	24.26 -0.44 0.00	23.99 -0.42 0.00	24.72 -0.38 0.00	25.20 -0.46 0.00	27.53 -0.48 -0.06	33.31 -0.60 -0.25	34.53 -0.63 -0.29	35.44 -0.64 -0.33	36.89 -0.86 -0.37	37.96 -0.92 -0.41	40.22 -1.06 -0.48	44.57 -1.22 -0.62	49.75 -1.46 -0.79	54.53 -1.54 -0.95	52.36 -1.34 0.00	50.86 -0.46 0.00	41.83 -0.34 0.00	39.27 -0.40 0.00	35.71 -0.39 -0.15	33.41 -0.40 -0.13
ROCHESRG_115KV_T4 355643	30.61 0.12 0.00	27.56 -0.06 0.00	25.70 -0.16 0.00	25.06 -0.23 0.00	24.51 -0.20 0.00	24.21 -0.20 0.00	24.70 -0.40 0.00	25.20 -0.46 0.00	27.54 -0.39 0.00	33.13 -0.54 0.00	35.00 0.14 0.00	36.22 0.46 0.00	38.24 0.86 0.00	39.82 1.35 0.00	42.35 1.55 0.00	46.34 1.17 0.00	51.28 0.86 0.00	56.28 1.16 0.00	54.51 0.81 0.00	51.99 0.67 0.00	42.63 0.46 0.00	40.49 0.83 0.00	36.57 0.61 0.00	34.15 0.47 0.00



ROCHESTER_9_IC 23652	30.82 0.34 0.00	27.73 0.11 0.00	25.85 0.00 0.00	25.21 -0.08 0.00	24.65 -0.05 0.00	24.36 -0.05 0.00	24.82 -0.28 0.00	25.35 -0.31 0.00	27.74 -0.20 0.00	33.33 -0.34 0.00	35.24 0.38 0.00	36.47 0.72 0.00	38.54 1.16 0.00	40.13 1.65 0.00	42.68 1.88 0.00	46.75 1.58 0.00	51.68 1.26 0.00	56.73 1.60 0.00	54.99 1.29 0.00	52.45 1.13 0.00	42.97 0.80 0.00	40.81 1.15 0.00	36.82 0.86 0.00	34.38 0.71 0.00
ROCKVIEW_13_KV_LD 356306	32.98 2.50 0.00	29.77 2.15 0.00	27.82 1.96 0.00	27.18 1.90 0.00	26.51 1.80 0.00	26.16 1.76 0.00	27.06 1.96 0.00	27.76 2.10 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.91 3.15 0.00	40.71 3.33 0.00	41.71 3.23 0.00	44.31 3.51 0.00	49.37 4.20 0.00	55.11 4.69 0.00	60.20 5.07 0.00	58.37 4.67 0.00	55.38 4.05 0.00	45.29 3.12 0.00	42.64 2.97 0.00	38.83 2.88 0.00	36.44 2.76 0.00
ROME____115KV_TB2 80656	31.33 1.10 0.25	28.44 0.91 0.09	26.66 0.80 0.00	26.04 0.76 0.00	25.44 0.74 0.00	25.14 0.73 0.00	25.88 0.78 0.00	26.43 0.77 0.00	28.63 0.81 0.11	34.31 1.01 0.36	35.35 1.01 0.52	36.19 1.00 0.57	38.05 1.31 0.65	39.19 1.42 0.71	41.43 1.47 0.84	45.66 1.58 1.09	50.80 1.76 1.39	56.23 2.32 1.21	56.60 2.52 -0.38	54.60 2.77 -0.51	44.37 2.11 -0.09	41.92 2.06 -0.19	37.16 1.69 0.49	34.61 1.35 0.41
ROSETON____1 23587	32.34 1.86 0.00	29.27 1.66 0.00	27.41 1.55 0.00	26.73 1.44 0.00	26.09 1.38 0.00	25.75 1.34 0.00	26.55 1.46 0.00	27.20 1.54 0.00	29.78 1.84 0.00	35.99 2.32 0.00	37.09 2.23 0.00	37.90 2.15 0.00	39.66 2.28 0.00	40.67 2.19 0.00	43.21 2.41 0.00	48.01 2.85 0.00	53.70 3.28 0.00	58.66 3.53 0.00	56.87 3.17 0.00	54.04 2.72 0.00	44.19 2.02 0.00	41.64 1.98 0.00	37.86 1.90 0.00	35.63 1.95 0.00
ROSETON____2 23588	32.34 1.86 0.00	29.27 1.66 0.00	27.41 1.55 0.00	26.73 1.44 0.00	26.09 1.38 0.00	25.75 1.34 0.00	26.55 1.46 0.00	27.20 1.54 0.00	29.78 1.84 0.00	35.99 2.32 0.00	37.09 2.23 0.00	37.90 2.15 0.00	39.66 2.28 0.00	40.67 2.19 0.00	43.21 2.41 0.00	48.01 2.85 0.00	53.70 3.28 0.00	58.66 3.53 0.00	56.87 3.17 0.00	54.04 2.72 0.00	44.19 2.02 0.00	41.64 1.98 0.00	37.86 1.90 0.00	35.63 1.95 0.00
ROTTDAM_115KV_TB3 80664	31.73 1.25 0.00	28.78 1.16 0.00	26.86 1.01 0.00	26.27 0.99 0.00	25.67 0.96 0.00	25.33 0.93 0.00	26.05 0.95 0.00	26.58 0.92 0.00	28.97 1.03 0.00	35.01 1.35 0.00	36.11 1.25 0.00	37.01 1.25 0.00	38.73 1.35 0.00	39.79 1.31 0.00	42.23 1.43 0.00	46.88 1.72 0.00	52.44 2.02 0.00	57.39 2.26 0.00	56.06 2.36 0.00	53.48 2.16 0.00	43.98 1.81 0.00	41.33 1.67 0.00	37.43 1.47 0.00	35.06 1.38 0.00
RUSSELL____1 23602	31.00 0.52 0.00	27.89 0.28 0.00	25.98 0.13 0.00	25.31 0.03 0.00	24.75 0.05 0.00	24.48 0.07 0.00	24.95 -0.15 0.00	25.48 -0.18 0.00	27.88 -0.06 0.00	33.53 -0.13 0.00	35.45 0.59 0.00	36.72 0.97 0.00	38.80 1.42 0.00	40.40 1.92 0.00	43.00 2.20 0.00	47.06 1.90 0.00	52.08 1.66 0.00	57.17 2.04 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.31 1.14 0.00	41.13 1.47 0.00	37.07 1.11 0.00	34.62 0.94 0.00
RUSSELL____2 23532	31.00 0.52 0.00	27.89 0.28 0.00	25.98 0.13 0.00	25.31 0.03 0.00	24.75 0.05 0.00	24.48 0.07 0.00	24.95 -0.15 0.00	25.48 -0.18 0.00	27.88 -0.06 0.00	33.53 -0.13 0.00	35.45 0.59 0.00	36.72 0.97 0.00	38.80 1.42 0.00	40.40 1.92 0.00	43.00 2.20 0.00	47.06 1.90 0.00	52.08 1.66 0.00	57.17 2.04 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.31 1.14 0.00	41.13 1.47 0.00	37.07 1.11 0.00	34.62 0.94 0.00
RUSSELL____3 23549	31.00 0.52 0.00	27.89 0.28 0.00	25.98 0.13 0.00	25.31 0.03 0.00	24.75 0.05 0.00	24.48 0.07 0.00	24.95 -0.15 0.00	25.48 -0.18 0.00	27.88 -0.06 0.00	33.53 -0.13 0.00	35.45 0.59 0.00	36.72 0.97 0.00	38.80 1.42 0.00	40.40 1.92 0.00	43.00 2.20 0.00	47.06 1.90 0.00	52.08 1.66 0.00	57.17 2.04 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.31 1.14 0.00	41.13 1.47 0.00	37.07 1.11 0.00	34.62 0.94 0.00
RUSSELL____4 23556	31.00 0.52 0.00	27.89 0.28 0.00	25.98 0.13 0.00	25.31 0.03 0.00	24.75 0.05 0.00	24.48 0.07 0.00	24.95 -0.15 0.00	25.48 -0.18 0.00	27.88 -0.06 0.00	33.53 -0.13 0.00	35.45 0.59 0.00	36.72 0.97 0.00	38.80 1.42 0.00	40.40 1.92 0.00	43.00 2.20 0.00	47.06 1.90 0.00	52.08 1.66 0.00	57.17 2.04 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.31 1.14 0.00	41.13 1.47 0.00	37.07 1.11 0.00	34.62 0.94 0.00
RUSSELL____STATION 23914	31.00 0.52 0.00	27.89 0.28 0.00	25.98 0.13 0.00	25.31 0.03 0.00	24.75 0.05 0.00	24.48 0.07 0.00	24.95 -0.15 0.00	25.48 -0.18 0.00	27.88 -0.06 0.00	33.53 -0.13 0.00	35.45 0.59 0.00	36.72 0.97 0.00	38.80 1.42 0.00	40.40 1.92 0.00	43.00 2.20 0.00	47.06 1.90 0.00	52.08 1.66 0.00	57.17 2.04 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.31 1.14 0.00	41.13 1.47 0.00	37.07 1.11 0.00	34.62 0.94 0.00
S SALMON____HYD 24043	29.78 -0.40 0.31	27.06 -0.44 0.11	25.42 -0.44 0.00	24.83 -0.45 0.00	24.26 -0.44 0.00	23.99 -0.42 0.00	24.65 -0.45 0.00	25.25 -0.41 0.00	27.26 -0.53 0.14	32.88 -0.64 0.14	33.59 -0.63 0.64	34.47 -0.57 0.71	36.06 -0.52 0.81	37.16 -0.42 0.89	39.23 -0.53 1.04	43.00 -0.81 1.36	47.83 -0.86 1.73	54.50 -0.66 -0.03	54.99 -0.48 -1.77	53.56 -0.15 -2.39	42.39 -0.21 -0.43	40.61 0.04 -0.91	35.27 -0.07 0.61	33.03 -0.23 0.42
S.PERRY__115KV_TB1 80734	32.10 1.62 0.00	28.83 1.22 0.00	26.84 0.98 0.00	26.17 0.88 0.00	25.57 0.86 0.00	25.26 0.85 0.00	25.68 0.58 0.00	26.22 0.56 0.00	28.47 0.53 0.00	33.87 0.20 0.00	35.63 0.77 0.00	36.83 1.07 0.00	37.68 0.30 0.00	39.21 0.73 0.00	41.70 0.90 0.00	45.71 0.54 0.00	50.77 0.35 0.00	56.01 0.88 0.00	54.83 1.13 0.00	53.02 1.69 0.00	43.69 1.52 0.00	41.49 1.82 0.00	37.43 1.47 0.00	36.00 2.32 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	30.57 0.09 0.00	27.50 -0.11 0.00	25.65 -0.21 0.00	24.96 -0.33 0.00	24.41 -0.30 0.00	24.14 -0.27 0.00	24.50 -0.60 0.00	24.94 -0.72 0.00	27.32 -0.61 0.00	32.72 -0.94 0.00	35.07 0.21 0.00	36.37 0.61 0.00	38.66 1.27 0.00	40.48 2.00 0.00	43.29 2.49 0.00	47.06 1.90 0.00	51.78 1.36 0.00	56.67 1.54 0.00	54.61 0.91 0.00	51.99 0.67 0.00	42.38 0.21 0.00	40.61 0.95 0.00	36.71 0.76 0.00	34.22 0.54 0.00
SAWYER____23_KV_LOAD 55526	30.57 0.09 0.00	27.50 -0.11 0.00	25.65 -0.21 0.00	24.96 -0.33 0.00	24.41 -0.30 0.00	24.14 -0.27 0.00	24.50 -0.60 0.00	24.94 -0.72 0.00	27.32 -0.61 0.00	32.72 -0.94 0.00	35.07 0.21 0.00	36.37 0.61 0.00	38.66 1.27 0.00	40.48 2.00 0.00	43.29 2.49 0.00	47.06 1.90 0.00	51.78 1.36 0.00	56.67 1.54 0.00	54.61 0.91 0.00	51.99 0.67 0.00	42.38 0.21 0.00	40.61 0.95 0.00	36.71 0.76 0.00	34.22 0.54 0.00



SELKIRK___I 23801	31.55 1.07 0.00	28.61 0.99 0.00	26.78 0.93 0.00	26.17 0.88 0.00	25.54 0.84 0.00	25.21 0.80 0.00	25.90 0.80 0.00	26.40 0.74 0.00	28.72 0.78 0.00	34.64 0.98 0.00	35.66 0.80 0.00	36.51 0.75 0.00	37.95 0.56 0.00	38.94 0.46 0.00	41.37 0.57 0.00	45.98 0.81 0.00	51.53 1.11 0.00	56.40 1.27 0.00	55.15 1.45 0.00	52.66 1.33 0.00	43.31 1.14 0.00	40.73 1.07 0.00	36.78 0.83 0.00	34.59 0.91 0.00
SELKIRK___II 23799	31.37 0.88 0.00	28.44 0.83 0.00	26.63 0.77 0.00	25.99 0.71 0.00	25.39 0.69 0.00	25.07 0.66 0.00	25.75 0.65 0.00	26.27 0.61 0.00	28.66 0.73 0.00	34.61 0.94 0.00	35.69 0.84 0.00	36.54 0.79 0.00	37.87 0.48 0.00	38.86 0.38 0.00	41.25 0.45 0.00	45.80 0.63 0.00	51.28 0.86 0.00	56.06 0.94 0.00	54.61 0.91 0.00	52.09 0.77 0.00	42.76 0.59 0.00	40.22 0.55 0.00	36.39 0.43 0.00	34.21 0.54 0.00
SENECA OSWGO___HYD 24041	30.08 -0.30 0.10	27.22 -0.36 0.04	25.49 -0.36 0.00	24.91 -0.38 0.00	24.36 -0.35 0.00	24.06 -0.34 0.00	24.67 -0.43 0.00	25.35 -0.31 0.00	27.47 -0.42 0.04	33.61 -0.47 -0.41	34.27 -0.38 0.21	35.21 -0.32 0.23	36.98 -0.15 0.26	38.15 -0.04 0.28	40.43 -0.04 0.33	44.55 -0.18 0.43	49.62 -0.25 0.55	57.26 -0.16 -2.30	55.97 -0.21 -2.49	54.53 -0.15 -3.36	42.57 -0.21 -0.61	40.90 -0.04 -1.27	35.62 -0.14 0.19	33.49 -0.20 -0.01
SENECA___115KV_TB3 355854	30.97 0.49 0.00	27.84 0.22 0.00	25.96 0.10 0.00	25.26 -0.03 0.00	24.70 0.00 0.00	24.43 0.02 0.00	24.77 -0.33 0.00	25.30 -0.36 0.00	27.71 -0.22 0.00	33.23 -0.44 0.00	35.59 0.73 0.00	36.94 1.18 0.00	39.25 1.87 0.00	41.13 2.65 0.00	44.02 3.22 0.00	47.92 2.76 0.00	52.79 2.37 0.00	57.72 2.59 0.00	55.63 1.93 0.00	52.91 1.59 0.00	43.01 0.84 0.00	41.21 1.55 0.00	37.22 1.26 0.00	34.69 1.01 0.00
SENECA___ENERGY 23797	30.70 0.27 0.05	27.73 0.14 0.02	25.93 0.08 0.00	25.28 0.00 0.00	24.70 0.00 0.00	24.43 0.02 0.00	25.05 -0.05 0.00	25.84 0.18 0.00	27.94 0.03 0.02	33.75 -0.03 -0.12	35.06 0.31 0.11	36.17 0.54 0.13	38.14 0.90 0.14	39.47 1.15 0.16	41.92 1.31 0.18	46.15 1.22 0.24	51.38 1.26 0.30	57.48 1.54 -0.81	56.08 1.39 -0.99	54.04 1.39 -1.33	43.47 1.05 -0.24	41.28 1.11 -0.51	36.68 0.83 0.11	34.26 0.61 0.02
SHOEMAKER___GT 23640	32.16 1.68 0.00	29.11 1.49 0.00	27.25 1.40 0.00	26.57 1.29 0.00	25.94 1.23 0.00	25.60 1.20 0.00	26.38 1.28 0.00	27.02 1.36 0.00	29.56 1.62 0.00	35.68 2.02 0.00	36.81 1.95 0.00	37.65 1.89 0.00	39.44 2.05 0.00	40.51 2.04 0.00	43.04 2.24 0.00	47.83 2.66 0.00	53.55 3.13 0.00	58.55 3.42 0.00	56.81 3.11 0.00	54.09 2.77 0.00	44.19 2.02 0.00	41.60 1.94 0.00	37.79 1.83 0.00	35.49 1.82 0.00
SHOEMAKR_138KV_BK 111 55601	32.16 1.68 0.00	29.11 1.49 0.00	27.17 1.32 0.00	26.57 1.29 0.00	25.94 1.24 0.00	25.60 1.20 0.00	26.38 1.28 0.00	27.02 1.36 0.00	29.56 1.62 0.00	35.68 2.02 0.00	36.88 2.02 0.00	37.73 1.97 0.00	39.48 2.09 0.00	40.52 2.04 0.00	43.04 2.24 0.00	47.88 2.71 0.00	53.60 3.18 0.00	58.60 3.47 0.00	56.87 3.17 0.00	54.09 2.77 0.00	44.23 2.07 0.00	41.64 1.98 0.00	37.90 1.94 0.00	35.53 1.85 0.00
SHOREHAM_IC_1 23715	40.32 3.20 -6.64	39.17 2.90 -8.65	38.31 2.66 -9.79	36.61 2.43 -8.90	35.44 2.35 -8.39	36.44 2.29 -9.74	36.30 2.46 -8.75	37.12 2.69 -8.77	38.66 3.21 -7.51	39.51 4.00 -1.84	46.23 3.73 -7.64	134.66 3.79 -95.12	126.70 4.04 -85.28	134.64 3.85 -92.32	137.41 4.08 -92.53	149.11 4.74 -99.20	252.64 5.45 -196.78	385.52 5.68 -324.71	149.24 5.16 -90.38	141.62 4.41 -85.89	137.45 3.50 -91.79	138.19 3.37 -95.16	39.27 3.31 -0.01	36.89 3.20 -0.01
SHOREHAM_IC_2 23716	40.32 3.20 -6.64	39.17 2.90 -8.65	38.31 2.66 -9.79	36.61 2.43 -8.90	35.44 2.35 -8.39	36.44 2.29 -9.74	36.30 2.46 -8.75	37.12 2.69 -8.77	38.66 3.21 -7.51	39.51 4.00 -1.84	46.23 3.73 -7.64	134.66 3.79 -95.12	126.70 4.04 -85.28	134.64 3.85 -92.32	137.41 4.08 -92.53	149.11 4.74 -99.20	252.64 5.45 -196.78	385.52 5.68 -324.71	149.24 5.16 -90.38	141.62 4.41 -85.89	137.45 3.50 -91.79	138.19 3.37 -95.16	39.27 3.31 -0.01	36.89 3.20 -0.01
SISSONVILLE____ 23735	25.49 -2.10 2.90	24.79 -1.79 1.03	24.61 -1.24 0.00	24.07 -1.21 0.00	23.52 -1.19 0.00	23.26 -1.15 0.00	24.04 -1.05 0.00	24.56 -1.10 0.00	24.89 -1.73 1.31	26.37 -2.15 5.14	26.58 -2.27 6.02	26.77 -2.32 6.66	27.18 -2.69 7.52	27.43 -2.73 8.32	27.89 -3.18 9.73	28.80 -3.70 12.66	30.13 -4.13 16.16	31.49 -4.58 19.06	49.91 -4.03 -0.24	48.46 -3.18 -0.32	40.03 -2.19 -0.06	37.36 -2.42 -0.12	27.88 -2.34 5.74	26.25 -2.29 5.14
SITHE_IND_GS1 24169	29.72 -0.76 0.00	26.87 -0.74 0.00	25.16 -0.70 0.00	24.58 -0.71 0.00	24.04 -0.67 0.00	23.77 -0.63 0.00	24.37 -0.73 0.00	24.99 -0.67 0.00	27.15 -0.78 0.00	31.06 -0.98 1.63	33.99 -0.87 0.00	34.94 -0.82 0.00	36.64 -0.75 0.00	37.79 -0.69 0.00	40.11 -0.69 0.00	44.31 -0.86 0.00	49.41 -1.01 0.00	45.50 -1.05 8.58	45.42 -1.07 7.21	40.56 -1.03 9.73	39.51 -0.89 1.77	35.21 -0.75 3.69	35.20 -0.76 0.00	32.39 -0.74 0.54
SITHE_IND_GS2 24170	29.72 -0.76 0.00	26.87 -0.74 0.00	25.16 -0.70 0.00	24.58 -0.71 0.00	24.04 -0.67 0.00	23.77 -0.63 0.00	24.37 -0.73 0.00	24.99 -0.67 0.00	27.15 -0.78 0.00	31.06 -0.98 1.63	33.99 -0.87 0.00	34.94 -0.82 0.00	36.64 -0.75 0.00	37.79 -0.69 0.00	40.11 -0.69 0.00	44.31 -0.86 0.00	49.41 -1.01 0.00	45.50 -1.05 8.58	45.42 -1.07 7.21	40.56 -1.03 9.73	39.51 -0.89 1.77	35.21 -0.75 3.69	35.20 -0.76 0.00	32.39 -0.74 0.54
SITHE_IND_GS3 24171	29.72 -0.76 0.00	26.87 -0.74 0.00	25.16 -0.70 0.00	24.58 -0.71 0.00	24.04 -0.67 0.00	23.77 -0.63 0.00	24.37 -0.73 0.00	24.99 -0.67 0.00	27.15 -0.78 0.00	31.06 -0.98 1.63	33.99 -0.87 0.00	34.94 -0.82 0.00	36.64 -0.75 0.00	37.79 -0.69 0.00	40.11 -0.69 0.00	44.31 -0.86 0.00	49.41 -1.01 0.00	45.50 -1.05 8.58	45.42 -1.07 7.21	40.56 -1.03 9.73	39.51 -0.89 1.77	35.21 -0.75 3.69	35.20 -0.76 0.00	32.39 -0.74 0.54
SITHE_IND_GS4 24172	29.72 -0.76 0.00	26.87 -0.74 0.00	25.16 -0.70 0.00	24.58 -0.71 0.00	24.04 -0.67 0.00	23.77 -0.63 0.00	24.37 -0.73 0.00	24.99 -0.67 0.00	27.15 -0.78 0.00	31.06 -0.98 1.63	33.99 -0.87 0.00	34.94 -0.82 0.00	36.64 -0.75 0.00	37.79 -0.69 0.00	40.11 -0.69 0.00	44.31 -0.86 0.00	49.41 -1.01 0.00	45.50 -1.05 8.58	45.42 -1.07 7.21	40.56 -1.03 9.73	39.51 -0.89 1.77	35.21 -0.75 3.69	35.20 -0.76 0.00	32.39 -0.74 0.54
SITHE___BATAVIA 24024	31.46 0.98 0.00	28.25 0.64 0.00	26.42 0.57 0.00	25.59 0.30 0.00	25.02 0.32 0.00	24.72 0.32 0.00	25.38 0.28 0.00	26.25 0.59 0.00	27.99 0.06 0.00	33.46 -0.20 0.00	35.87 1.01 0.00	37.19 1.43 0.00	39.55 2.17 0.00	41.28 2.81 0.00	44.06 3.27 0.00	48.01 2.85 0.00	53.04 2.62 0.00	58.27 3.14 0.00	56.38 2.68 0.00	53.79 2.46 0.00	44.36 2.19 0.00	42.08 2.42 0.00	37.79 1.83 0.00	35.26 1.58 0.00



SITHE___INDEPEND 23800	29.72 -0.76 0.00	26.87 -0.75 0.00	25.13 -0.72 0.00	24.58 -0.71 0.00	24.04 -0.67 0.00	23.77 -0.63 0.00	24.37 -0.73 0.00	24.91 -0.74 0.00	27.15 -0.78 0.00	31.06 -0.98 1.63	33.95 -0.91 0.00	34.90 -0.86 0.00	36.60 -0.79 0.00	37.78 -0.69 0.00	40.07 -0.73 0.00	44.26 -0.90 0.00	49.36 -1.06 0.00	45.44 -1.10 8.58	45.36 -1.13 7.21	40.51 -1.08 9.73	39.47 -0.93 1.77	35.18 -0.79 3.69	35.20 -0.76 0.00	32.39 -0.74 0.54
SITHE___MASSENA 23902	25.13 -1.16 4.20	25.21 -0.91 1.49	24.98 -0.88 0.00	24.83 -0.45 0.00	24.23 -0.47 0.00	23.97 -0.44 0.00	24.72 -0.38 0.00	24.86 -0.80 0.00	25.17 -0.87 1.90	24.99 -1.14 7.53	24.96 -1.19 8.72	24.93 -1.18 9.65	24.93 -1.57 10.89	24.89 -1.54 12.05	24.83 -1.88 14.09	24.70 -2.12 18.35	24.54 -2.47 23.41	24.35 -2.75 28.03	51.34 -2.36 0.00	49.48 -1.85 0.00	41.03 -1.14 0.00	38.27 -1.39 0.00	26.45 -1.19 8.32	25.03 -1.18 7.47
SITHE___OGDNSBRG 24021	25.77 -1.31 3.40	25.36 -1.05 1.21	25.31 -0.54 0.00	24.75 -0.53 0.00	24.16 -0.54 0.00	23.89 -0.51 0.00	24.70 -0.40 0.00	25.20 -0.46 0.00	25.34 -1.06 1.54	26.18 -1.38 6.10	26.33 -1.46 7.07	26.43 -1.50 7.82	26.73 -1.83 8.83	26.86 -1.85 9.77	27.13 -2.24 11.42	27.68 -2.62 14.87	28.52 -2.92 18.97	29.16 -3.25 22.71	51.12 -2.58 0.00	49.63 -1.69 0.00	41.24 -0.93 0.00	38.43 -1.23 0.00	27.92 -1.29 6.74	26.31 -1.31 6.06
SITHE___STERLING 23777	31.32 1.00 0.17	28.38 0.83 0.06	26.58 0.72 0.00	25.97 0.68 0.00	25.34 0.64 0.00	25.07 0.66 0.00	25.78 0.68 0.00	26.40 0.74 0.00	28.62 0.75 0.08	34.36 0.91 0.21	35.45 0.94 0.35	36.34 0.97 0.38	38.26 1.31 0.43	39.38 1.38 0.48	41.71 1.47 0.56	45.98 1.54 0.73	51.26 1.76 0.93	56.71 2.21 0.63	56.41 2.31 -0.41	54.33 2.46 -0.55	44.17 1.90 -0.10	41.73 1.86 -0.21	37.11 1.47 0.33	34.63 1.21 0.26
SLEIGHT___34_KV_TB1 80719	30.67 0.18 0.00	27.59 -0.03 0.00	25.73 -0.13 0.00	25.11 -0.18 0.00	24.55 -0.15 0.00	24.28 -0.12 0.00	24.80 -0.30 0.00	25.38 -0.28 0.00	27.74 -0.20 0.00	33.49 -0.24 -0.06	35.10 0.24 0.00	36.29 0.54 0.00	38.24 0.86 0.00	39.75 1.27 0.00	42.19 1.39 0.00	46.39 1.22 0.00	51.43 1.01 0.00	56.83 1.38 -0.33	55.10 1.13 -0.27	52.72 1.03 -0.37	42.95 0.72 -0.07	40.71 0.91 -0.14	36.64 0.68 0.00	34.20 0.51 -0.02
SOUTH CAIRO___GT 23612	32.50 2.01 0.00	29.49 1.88 0.00	27.48 1.63 0.00	26.83 1.54 0.00	26.23 1.53 0.00	25.85 1.44 0.00	26.55 1.46 0.00	26.86 1.21 0.00	29.19 1.26 0.00	35.25 1.58 0.00	36.18 1.32 0.00	36.97 1.22 0.00	38.54 1.16 0.00	39.55 1.08 0.00	42.11 1.31 0.00	46.93 1.76 0.00	52.84 2.42 0.00	58.27 3.14 0.00	57.41 3.71 0.00	54.97 3.64 0.00	45.04 2.87 0.00	42.32 2.66 0.00	38.08 2.12 0.00	35.66 1.99 0.00
SOUTH HAMPTN___IC 23720	40.92 3.81 -6.63	39.66 3.40 -8.65	38.78 3.13 -9.79	37.07 2.88 -8.90	35.89 2.79 -8.39	36.90 2.76 -9.74	36.78 2.94 -8.75	37.64 3.21 -8.77	39.28 3.83 -7.51	40.35 4.85 -1.83	46.95 4.78 -7.32	131.77 4.90 -91.11	124.19 5.12 -81.69	131.91 5.00 -88.43	134.70 5.27 -88.64	146.29 6.09 -95.03	245.92 7.01 -188.49	373.29 7.11 -311.04	146.99 6.71 -86.58	139.39 5.80 -82.27	134.69 4.60 -87.92	135.26 4.44 -91.16	40.17 4.20 -0.01	37.69 4.01 -0.01
SOUTHDOW___115KV_TB1 355954	32.13 1.65 0.00	28.83 1.22 0.00	26.89 1.03 0.00	26.17 0.88 0.00	25.59 0.89 0.00	25.33 0.93 0.00	25.75 0.65 0.00	26.51 0.85 0.00	29.03 1.09 0.00	34.91 1.25 0.00	37.44 2.58 0.00	38.83 3.08 0.00	41.31 3.93 0.00	43.36 4.89 0.00	46.55 5.75 0.00	50.72 5.56 0.00	55.87 5.45 0.00	61.14 6.01 0.00	58.86 5.16 0.00	55.89 4.57 0.00	45.20 3.04 0.00	43.27 3.61 0.00	38.98 3.02 0.00	36.20 2.53 0.00
SOUTHOLD_69_KV_BK 2 55809	41.53 4.42 -6.63	40.16 3.89 -8.65	39.16 3.52 -9.79	37.47 3.29 -8.90	36.31 3.21 -8.39	37.34 3.20 -9.74	37.28 3.44 -8.75	38.10 3.67 -8.77	39.89 4.44 -7.51	41.22 5.72 -1.83	48.07 5.89 -7.32	133.04 6.11 -91.16	125.32 6.21 -81.73	133.04 6.08 -88.48	135.89 6.41 -88.69	147.79 7.54 -95.08	247.69 8.67 -188.60	375.66 9.32 -311.22	148.76 8.43 -86.63	140.98 7.34 -82.32	136.00 5.86 -87.97	136.70 5.83 -91.21	41.25 5.29 -0.01	38.67 4.98 -0.01
SOUTHOLD___IC 23719	41.53 4.42 -6.63	40.16 3.89 -8.65	39.22 3.57 -9.79	37.47 3.29 -8.90	36.31 3.21 -8.39	37.34 3.20 -9.74	37.28 3.44 -8.75	38.15 3.72 -8.77	39.89 4.44 -7.51	41.22 5.72 -1.83	48.07 5.89 -7.32	132.97 6.04 -91.16	125.36 6.24 -81.73	133.08 6.12 -88.48	135.93 6.44 -88.69	147.75 7.50 -95.08	247.64 8.62 -188.60	373.96 7.61 -311.22	148.65 8.32 -86.63	140.88 7.24 -82.32	135.92 5.78 -87.97	136.46 5.59 -91.21	41.15 5.18 -0.01	38.57 4.88 -0.01
SOUTH_FORK_WT_PWR 323839	41.41 4.30 -6.63	40.08 3.81 -8.65	39.14 3.49 -9.79	37.40 3.21 -8.90	36.28 3.19 -8.39	37.34 3.20 -9.74	37.28 3.44 -8.75	38.13 3.70 -8.77	39.89 4.44 -7.51	41.25 5.76 -1.83	48.18 6.00 -7.32	132.97 6.08 -91.14	125.30 6.21 -81.71	132.97 6.04 -88.46	135.82 6.36 -88.66	147.62 7.41 -95.05	247.49 8.52 -188.54	374.36 8.11 -311.13	148.57 8.27 -86.60	140.75 7.13 -82.29	135.81 5.69 -87.95	136.40 5.55 -91.18	41.11 5.14 -0.01	38.60 4.92 -0.01
SPIERFLS_115KV_TB 1 80737	32.28 1.80 0.00	29.30 1.68 0.00	27.28 1.42 0.00	26.70 1.42 0.00	26.09 1.38 0.00	25.72 1.32 0.00	26.43 1.33 0.00	26.97 1.31 0.00	29.42 1.48 0.00	35.68 2.02 0.00	36.46 1.60 0.00	37.33 1.57 0.00	39.14 1.76 0.00	40.05 1.58 0.00	42.47 1.67 0.00	47.38 2.21 0.00	52.99 2.57 0.00	58.10 2.98 0.00	57.62 3.92 0.00	54.92 3.59 0.00	45.41 3.25 0.00	42.60 2.93 0.00	38.33 2.37 0.00	35.83 2.16 0.00
ST LAWRENCE____ 23600	29.81 -1.01 -0.33	26.90 -0.83 -0.12	25.10 -0.75 0.00	24.70 -0.58 0.00	24.14 -0.57 0.00	23.85 -0.56 0.00	24.57 -0.53 0.00	24.97 -0.69 0.00	27.33 -0.75 -0.15	33.27 -0.98 -0.59	34.49 -1.04 -0.68	35.47 -1.04 -0.75	36.89 -1.34 -0.85	38.03 -1.38 -0.94	40.29 -1.63 -1.13	44.89 -1.76 -1.49	50.18 -2.12 -1.87	55.06 -2.31 -2.24	51.66 -2.04 0.00	49.63 -1.69 0.00	41.03 -1.14 0.00	38.39 -1.27 0.00	35.53 -1.04 -0.62	33.16 -1.08 -0.56
STATE_CA_115KV_115_LB 55624	31.49 1.01 0.00	28.55 0.94 0.00	26.68 0.83 0.00	26.09 0.81 0.00	25.49 0.79 0.00	25.14 0.73 0.00	25.88 0.78 0.00	26.40 0.74 0.00	28.77 0.84 0.00	34.78 1.11 0.00	35.87 1.01 0.00	36.72 0.97 0.00	38.36 0.97 0.00	39.32 0.85 0.00	41.74 0.94 0.00	46.39 1.22 0.00	51.93 1.51 0.00	56.84 1.71 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.43 1.27 0.00	40.81 1.15 0.00	36.89 0.93 0.00	34.65 0.98 0.00
STATE_ST_34_KV_LOAD 55959	30.88 0.46 0.06	27.87 0.28 0.02	26.01 0.16 0.00	25.44 0.15 0.00	24.88 0.17 0.00	24.60 0.20 0.00	25.17 0.08 0.00	25.81 0.15 0.00	28.13 0.22 0.03	34.08 0.27 -0.15	35.23 0.49 0.12	36.31 0.68 0.13	38.17 0.93 0.15	39.47 1.15 0.16	41.87 1.26 0.19	46.23 1.31 0.25	51.47 1.36 0.32	57.82 1.71 -0.99	56.40 1.56 -1.15	54.46 1.59 -1.55	43.59 1.14 -0.28	41.40 1.15 -0.59	36.78 0.93 0.11	34.44 0.77 0.01



STATION 5_MISC_HYD 23604	30.82 0.34 0.00	27.73 0.11 0.00	25.93 0.08 0.00	25.21 -0.08 0.00	24.65 -0.05 0.00	24.36 -0.05 0.00	25.00 -0.10 0.00	25.79 0.13 0.00	27.74 -0.19 0.00	33.33 -0.34 0.00	35.35 0.49 0.00	36.58 0.82 0.00	38.73 1.34 0.00	40.21 1.73 0.00	42.80 2.00 0.00	46.84 1.67 0.00	51.88 1.46 0.00	56.89 1.76 0.00	55.15 1.45 0.00	52.55 1.23 0.00	43.31 1.14 0.00	40.97 1.31 0.00	36.93 0.97 0.00	34.45 0.78 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	31.03 0.55 0.00	27.95 0.33 0.00	26.04 0.18 0.00	25.41 0.13 0.00	24.85 0.15 0.00	24.55 0.15 0.00	25.07 -0.03 0.00	25.68 0.03 0.00	28.08 0.14 0.00	33.86 0.13 -0.06	35.56 0.70 0.00	36.76 1.00 0.00	38.77 1.38 0.00	40.29 1.81 0.00	42.80 2.00 0.00	47.02 1.85 0.00	52.13 1.71 0.00	57.68 2.21 -0.35	55.93 1.93 -0.29	53.46 1.74 -0.40	43.55 1.31 -0.07	41.32 1.51 -0.15	37.11 1.15 0.00	34.68 0.98 -0.02
STA_56_34_KV_BUS2_REV_LBMP_B 345033	30.64 0.15 0.00	27.59 -0.03 0.00	25.73 -0.13 0.00	25.06 -0.23 0.00	24.51 -0.20 0.00	24.24 -0.17 0.00	24.72 -0.38 0.00	25.25 -0.41 0.00	27.63 -0.31 0.00	33.23 -0.44 0.00	35.10 0.24 0.00	36.29 0.54 0.00	38.36 0.97 0.00	39.90 1.42 0.00	42.43 1.63 0.00	46.48 1.31 0.00	51.43 1.01 0.00	56.51 1.38 0.00	54.77 1.07 0.00	52.20 0.87 0.00	42.80 0.63 0.00	40.61 0.95 0.00	36.60 0.65 0.00	34.18 0.51 0.00
STA_56____34_KV_BUS2 355983	30.64 0.15 0.00	27.59 -0.03 0.00	25.73 -0.13 0.00	25.06 -0.23 0.00	24.51 -0.20 0.00	24.24 -0.17 0.00	24.72 -0.38 0.00	25.25 -0.41 0.00	27.63 -0.31 0.00	33.23 -0.44 0.00	35.10 0.24 0.00	36.29 0.54 0.00	38.36 0.97 0.00	39.90 1.42 0.00	42.43 1.63 0.00	46.48 1.31 0.00	51.43 1.01 0.00	56.51 1.38 0.00	54.77 1.07 0.00	52.20 0.87 0.00	42.80 0.63 0.00	40.61 0.95 0.00	36.60 0.65 0.00	34.18 0.51 0.00
STA_67____115KV_BK2 355882	30.73 0.24 0.00	27.67 0.06 0.00	25.80 -0.05 0.00	25.13 -0.15 0.00	24.58 -0.12 0.00	24.31 -0.10 0.00	24.77 -0.33 0.00	25.30 -0.36 0.00	27.66 -0.28 0.00	33.26 -0.40 0.00	35.14 0.28 0.00	36.37 0.61 0.00	38.43 1.05 0.00	40.02 1.54 0.00	42.55 1.75 0.00	46.57 1.40 0.00	51.53 1.11 0.00	56.56 1.43 0.00	54.83 1.13 0.00	52.25 0.92 0.00	42.84 0.67 0.00	40.69 1.03 0.00	36.71 0.76 0.00	34.28 0.61 0.00
STA_7____115KV_9TRANS 80674	31.00 0.52 0.00	27.89 0.28 0.00	25.98 0.13 0.00	25.31 0.03 0.00	24.75 0.05 0.00	24.48 0.07 0.00	24.95 -0.15 0.00	25.48 -0.18 0.00	27.88 -0.06 0.00	33.53 -0.13 0.00	35.45 0.59 0.00	36.72 0.97 0.00	38.80 1.42 0.00	40.40 1.92 0.00	43.00 2.20 0.00	47.06 1.90 0.00	52.08 1.66 0.00	57.17 2.04 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.31 1.14 0.00	41.13 1.47 0.00	37.07 1.11 0.00	34.62 0.94 0.00
STA_82____115KV_TB1 80780	30.76 0.27 0.00	27.67 0.06 0.00	25.80 -0.05 0.00	25.16 -0.13 0.00	24.60 -0.10 0.00	24.31 -0.10 0.00	24.77 -0.33 0.00	25.30 -0.36 0.00	27.68 -0.25 0.00	33.26 -0.40 0.00	35.17 0.31 0.00	36.40 0.64 0.00	38.43 1.05 0.00	40.02 1.54 0.00	42.55 1.75 0.00	46.61 1.45 0.00	51.53 1.11 0.00	56.62 1.49 0.00	54.83 1.13 0.00	52.30 0.98 0.00	42.88 0.72 0.00	40.73 1.07 0.00	36.75 0.79 0.00	34.32 0.64 0.00
STEEL____WIND 323596	30.94 0.46 0.00	27.81 0.19 0.00	26.06 0.21 0.00	25.23 -0.05 0.00	24.68 -0.02 0.00	24.41 0.00 0.00	25.02 -0.08 0.00	25.94 0.28 0.00	27.68 -0.25 0.00	33.19 -0.47 0.00	35.69 0.84 0.00	37.04 1.29 0.00	39.44 2.05 0.00	41.25 2.77 0.00	44.15 3.35 0.00	48.01 2.85 0.00	53.04 2.62 0.00	57.88 2.76 0.00	55.79 2.09 0.00	53.07 1.75 0.00	43.52 1.35 0.00	41.37 1.70 0.00	37.29 1.33 0.00	34.75 1.08 0.00
STEPHTWN_115KV_BK_2 55603	31.67 1.19 0.00	28.72 1.10 0.00	26.81 0.96 0.00	26.25 0.96 0.00	25.62 0.91 0.00	25.28 0.88 0.00	26.03 0.93 0.00	26.56 0.90 0.00	28.91 0.98 0.00	34.98 1.31 0.00	36.08 1.22 0.00	36.94 1.18 0.00	38.54 1.16 0.00	39.52 1.04 0.00	41.98 1.18 0.00	46.70 1.54 0.00	52.24 1.82 0.00	57.22 2.09 0.00	55.85 2.15 0.00	53.17 1.85 0.00	43.73 1.56 0.00	41.09 1.43 0.00	37.14 1.19 0.00	34.86 1.18 0.00
STEUBEN_REC_LFGE 323667	31.79 1.31 0.00	28.55 0.94 0.00	26.63 0.78 0.00	25.99 0.71 0.00	25.39 0.69 0.00	25.11 0.71 0.00	25.58 0.48 0.00	26.33 0.67 0.00	28.75 0.81 0.00	34.62 0.88 -0.08	36.57 1.71 0.00	37.83 2.07 0.00	40.00 2.62 0.00	41.75 3.27 0.00	44.47 3.67 0.00	48.73 3.57 0.00	53.95 3.53 0.00	59.64 4.08 -0.44	57.67 3.60 -0.37	55.31 3.49 -0.50	44.75 2.49 -0.09	42.63 2.78 -0.19	38.33 2.37 0.00	35.76 2.05 -0.03
STILLWATER____SOLAR 323814	32.34 1.86 0.00	29.36 1.74 0.00	27.43 1.58 0.00	26.78 1.49 0.00	26.16 1.46 0.00	25.80 1.39 0.00	26.50 1.40 0.00	26.99 1.33 0.00	29.47 1.54 0.00	35.65 1.99 0.00	36.64 1.78 0.00	37.55 1.79 0.00	39.36 1.98 0.00	40.36 1.88 0.00	42.84 2.04 0.00	47.60 2.44 0.00	53.29 2.87 0.00	58.38 3.25 0.00	57.30 3.60 0.00	54.61 3.29 0.00	44.99 2.83 0.00	42.24 2.58 0.00	38.04 2.08 0.00	35.73 2.05 0.00
STONY____BROOK 24151	40.47 3.29 -6.69	39.26 2.98 -8.66	38.39 2.74 -9.79	36.74 2.55 -8.90	35.54 2.45 -8.39	36.56 2.42 -9.74	36.43 2.59 -8.75	37.25 2.82 -8.77	38.75 3.29 -7.51	39.59 4.07 -1.85	47.88 3.63 -9.40	156.32 3.58 -116.98	146.08 3.82 -104.88	155.68 3.66 -113.54	158.40 3.79 -113.81	171.56 4.38 -122.01	297.43 4.99 -242.01	459.73 5.24 -399.36	169.48 4.62 -111.16	160.91 3.95 -105.63	158.22 3.16 -112.89	159.72 3.01 -117.04	39.10 3.13 -0.02	36.82 3.13 -0.02
STURGEON_POOL_HYD 23609	32.50 2.01 0.00	29.38 1.77 0.00	27.46 1.60 0.00	26.80 1.52 0.00	26.16 1.46 0.00	25.80 1.39 0.00	26.63 1.53 0.00	27.22 1.57 0.00	29.86 1.93 0.00	36.09 2.42 0.00	37.26 2.41 0.00	38.12 2.36 0.00	39.93 2.54 0.00	40.98 2.50 0.00	43.57 2.77 0.00	48.55 3.39 0.00	54.35 3.93 0.00	59.32 4.19 0.00	57.46 3.76 0.00	54.56 3.23 0.00	44.53 2.36 0.00	41.96 2.30 0.00	38.26 2.30 0.00	35.93 2.26 0.00
ST_LAW_115_BK7_LBMP 345037	29.77 -1.13 -0.41	26.85 -0.91 -0.15	25.00 -0.85 0.00	24.65 -0.63 0.00	24.06 -0.64 0.00	23.80 -0.61 0.00	24.55 -0.55 0.00	24.89 -0.77 0.00	27.28 -0.84 -0.19	33.29 -1.11 -0.73	34.56 -1.15 -0.85	35.52 -1.18 -0.94	36.95 -1.50 -1.06	38.11 -1.54 -1.18	40.38 -1.79 -1.38	44.97 -1.99 -1.79	50.39 -2.32 -2.28	55.27 -2.59 -2.74	51.45 -2.25 0.00	49.43 -1.90 0.00	40.90 -1.26 0.00	38.24 -1.43 0.00	35.55 -1.19 -0.78	33.20 -1.18 -0.70
ST_LAW_115_BK8_LBMP 345038	29.77 -1.13 -0.41	26.85 -0.91 -0.15	25.00 -0.85 0.00	24.65 -0.63 0.00	24.06 -0.64 0.00	23.80 -0.61 0.00	24.55 -0.55 0.00	24.89 -0.77 0.00	27.28 -0.84 -0.19	33.29 -1.11 -0.73	34.56 -1.15 -0.85	35.52 -1.18 -0.94	36.95 -1.50 -1.06	38.11 -1.54 -1.18	40.38 -1.79 -1.38	44.97 -1.99 -1.79	50.39 -2.32 -2.28	55.27 -2.59 -2.74	51.45 -2.25 0.00	49.43 -1.90 0.00	40.90 -1.26 0.00	38.24 -1.43 0.00	35.55 -1.19 -0.78	33.20 -1.18 -0.70



ST_LAW_230_BK5_LBMP 345035	29.73 -1.01 -0.25	26.88 -0.83 -0.09	25.10 -0.75 0.00	24.70 -0.58 0.00	24.14 -0.57 0.00	23.85 -0.56 0.00	24.57 -0.53 0.00	24.97 -0.69 0.00	27.30 -0.75 -0.11	33.13 -0.98 -0.45	34.33 -1.04 -0.52	35.29 -1.04 -0.57	36.68 -1.34 -0.64	37.81 -1.38 -0.71	40.00 -1.63 -0.83	44.49 -1.76 -1.09	49.69 -2.12 -1.38	54.47 -2.31 -1.66	51.66 -2.04 0.00	49.63 -1.69 0.00	41.03 -1.14 0.00	38.39 -1.27 0.00	35.37 -1.04 -0.46	33.01 -1.08 -0.41
ST_LAW_230_BK6_LBMP 345036	29.73 -1.01 -0.25	26.88 -0.83 -0.09	25.10 -0.75 0.00	24.70 -0.58 0.00	24.14 -0.57 0.00	23.85 -0.56 0.00	24.57 -0.53 0.00	24.97 -0.69 0.00	27.30 -0.75 -0.11	33.13 -0.98 -0.45	34.33 -1.04 -0.52	35.29 -1.04 -0.57	36.68 -1.34 -0.64	37.81 -1.38 -0.71	40.00 -1.63 -0.83	44.49 -1.76 -1.09	49.69 -2.12 -1.38	54.47 -2.31 -1.66	51.66 -2.04 0.00	49.63 -1.69 0.00	41.03 -1.14 0.00	38.39 -1.27 0.00	35.37 -1.04 -0.46	33.01 -1.08 -0.41
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	32.37 1.89 0.00	29.27 1.66 0.00	27.35 1.50 0.00	26.73 1.44 0.00	26.09 1.38 0.00	25.75 1.34 0.00	26.55 1.46 0.00	27.22 1.57 0.00	29.81 1.87 0.00	36.02 2.36 0.00	37.19 2.34 0.00	38.08 2.32 0.00	39.85 2.47 0.00	40.86 2.39 0.00	43.45 2.65 0.00	48.33 3.16 0.00	54.10 3.68 0.00	59.10 3.97 0.00	57.24 3.54 0.00	54.40 3.08 0.00	44.49 2.32 0.00	41.88 2.22 0.00	38.15 2.19 0.00	35.76 2.09 0.00
SWANROAD_115KV_TB1 355699	30.27 -0.21 0.00	27.23 -0.39 0.00	25.39 -0.47 0.00	24.70 -0.58 0.00	24.16 -0.54 0.00	23.89 -0.51 0.00	24.22 -0.88 0.00	24.61 -1.05 0.00	26.96 -0.98 0.00	32.22 -1.45 0.00	34.54 -0.31 0.00	35.83 0.07 0.00	38.09 0.71 0.00	39.90 1.42 0.00	42.59 1.80 0.00	46.25 1.08 0.00	50.87 0.45 0.00	55.73 0.61 0.00	53.70 0.00 0.00	51.12 -0.21 0.00	41.75 -0.42 0.00	40.06 0.40 0.00	36.21 0.25 0.00	33.78 0.10 0.00
SYNERGY___BIOGAS 323694	31.46 0.98 0.00	28.25 0.64 0.00	26.42 0.57 0.00	25.59 0.30 0.00	25.02 0.32 0.00	24.72 0.32 0.00	25.38 0.28 0.00	26.25 0.59 0.00	27.99 0.06 0.00	33.46 -0.20 0.00	35.87 1.01 0.00	37.19 1.43 0.00	39.55 2.17 0.00	41.28 2.81 0.00	44.06 3.27 0.00	48.01 2.85 0.00	53.04 2.62 0.00	58.27 3.14 0.00	56.38 2.68 0.00	53.79 2.46 0.00	44.36 2.19 0.00	42.08 2.42 0.00	37.79 1.83 0.00	35.26 1.58 0.00
SYRACUSE___ENERGY_ST1 323597	30.60 0.18 0.07	27.67 0.08 0.02	25.85 0.00 0.00	25.28 0.00 0.00	24.73 0.02 0.00	24.43 0.02 0.00	25.02 -0.08 0.00	25.66 0.00 0.00	27.96 0.06 0.03	33.93 0.10 -0.16	34.93 0.21 0.14	35.92 0.32 0.16	37.73 0.52 0.18	38.97 0.69 0.20	41.35 0.78 0.23	45.64 0.77 0.30	50.80 0.76 0.38	57.13 0.83 -1.18	55.77 0.70 -1.37	53.90 0.72 -1.86	42.97 0.46 -0.34	40.88 0.52 -0.70	36.25 0.43 0.14	33.99 0.34 0.02
SYRACUSE___ENERGY_ST2 323598	30.60 0.18 0.07	27.67 0.08 0.02	25.85 0.00 0.00	25.28 0.00 0.00	24.73 0.02 0.00	24.43 0.02 0.00	25.02 -0.08 0.00	25.66 0.00 0.00	27.96 0.06 0.03	33.93 0.10 -0.16	34.93 0.21 0.14	35.92 0.32 0.16	37.73 0.52 0.18	38.97 0.69 0.20	41.35 0.78 0.23	45.64 0.77 0.30	50.80 0.76 0.38	57.13 0.83 -1.18	55.77 0.70 -1.37	53.90 0.72 -1.86	42.97 0.46 -0.34	40.88 0.52 -0.70	36.25 0.43 0.14	33.99 0.34 0.02
SYRACUSE___POWER 24017	30.44 0.03 0.07	27.51 -0.08 0.03	25.70 -0.16 0.00	25.13 -0.15 0.00	24.58 -0.12 0.00	24.28 -0.12 0.00	24.87 -0.23 0.00	25.48 -0.18 0.00	27.79 -0.11 0.03	33.63 -0.10 -0.06	34.71 0.00 0.15	35.70 0.11 0.17	37.46 0.26 0.19	38.69 0.42 0.21	41.04 0.49 0.25	45.34 0.50 0.32	50.47 0.45 0.41	56.24 0.50 -0.61	55.05 0.43 -0.92	52.98 0.41 -1.25	42.61 0.21 -0.23	40.41 0.28 -0.47	36.03 0.22 0.15	33.78 0.17 0.06
TALLMAN___138KV_BK151 55660	32.65 2.16 0.00	29.49 1.88 0.00	27.54 1.68 0.00	26.93 1.64 0.00	26.26 1.56 0.00	25.92 1.51 0.00	26.76 1.66 0.00	27.48 1.82 0.00	30.11 2.18 0.00	36.42 2.76 0.00	37.61 2.75 0.00	38.51 2.75 0.00	40.30 2.92 0.00	41.32 2.85 0.00	43.90 3.10 0.00	48.87 3.70 0.00	54.66 4.24 0.00	59.65 4.52 0.00	57.73 4.03 0.00	54.76 3.44 0.00	44.78 2.61 0.00	42.20 2.54 0.00	38.44 2.48 0.00	36.03 2.36 0.00
TEALLAVE_115KV_TB7 355573	30.43 0.03 0.08	27.50 -0.08 0.03	25.70 -0.16 0.00	25.13 -0.15 0.00	24.58 -0.12 0.00	24.31 -0.10 0.00	24.87 -0.23 0.00	25.48 -0.18 0.00	27.79 -0.11 0.04	33.57 -0.10 -0.01	34.65 -0.03 0.17	35.64 0.07 0.19	37.43 0.26 0.21	38.66 0.42 0.24	41.01 0.49 0.28	45.26 0.45 0.36	50.36 0.40 0.46	55.96 0.50 -0.34	54.83 0.38 -0.75	52.75 0.41 -1.01	42.52 0.17 -0.18	40.32 0.28 -0.38	36.01 0.22 0.16	33.75 0.17 0.09
TELGRAPH_34_KV_EAST 80808	30.97 0.49 0.00	27.84 0.22 0.00	25.93 0.08 0.00	25.23 -0.05 0.00	24.68 -0.02 0.00	24.41 0.00 0.00	24.77 -0.33 0.00	25.22 -0.44 0.00	27.60 -0.34 0.00	32.99 -0.67 0.00	35.24 0.38 0.00	36.58 0.82 0.00	38.84 1.46 0.00	40.67 2.19 0.00	43.41 2.61 0.00	47.24 2.08 0.00	51.98 1.56 0.00	57.06 1.93 0.00	55.10 1.40 0.00	52.45 1.13 0.00	42.88 0.72 0.00	41.05 1.39 0.00	37.00 1.04 0.00	34.52 0.84 0.00
TEMPLE___115KV_TB 2 55572	30.43 0.03 0.08	27.53 -0.06 0.03	25.73 -0.13 0.00	25.16 -0.13 0.00	24.60 -0.10 0.00	24.31 -0.10 0.00	24.90 -0.20 0.00	25.50 -0.15 0.00	27.79 -0.11 0.04	33.58 -0.10 -0.01	34.69 0.00 0.17	35.68 0.11 0.18	37.47 0.30 0.21	38.71 0.46 0.23	41.06 0.53 0.27	45.31 0.50 0.35	50.43 0.45 0.45	56.03 0.55 -0.35	54.88 0.43 -0.75	52.74 0.41 -1.01	42.56 0.21 -0.18	40.32 0.28 -0.38	36.01 0.22 0.16	33.79 0.20 0.09
TIANA____69_KV_BK 1 55817	40.80 3.69 -6.63	39.58 3.31 -8.65	38.62 2.97 -9.79	36.97 2.78 -8.90	35.79 2.69 -8.39	36.78 2.64 -9.74	36.68 2.84 -8.75	37.48 3.05 -8.77	39.14 3.69 -7.51	40.14 4.65 -1.83	46.75 4.57 -7.32	131.63 4.72 -91.15	123.97 4.86 -81.72	131.65 4.69 -88.47	134.45 4.98 -88.68	146.11 5.87 -95.07	245.71 6.71 -188.58	373.54 7.22 -311.19	146.82 6.50 -86.62	139.23 5.59 -82.31	134.60 4.47 -87.96	135.30 4.44 -91.20	40.10 4.14 -0.01	37.59 3.91 -0.01
TILDEN___115KV_TB1 80814	30.44 0.03 0.07	27.51 -0.08 0.03	25.70 -0.16 0.00	25.13 -0.15 0.00	24.58 -0.12 0.00	24.28 -0.12 0.00	24.87 -0.23 0.00	25.48 -0.18 0.00	27.79 -0.11 0.03	33.63 -0.10 -0.06	34.71 0.00 0.15	35.70 0.11 0.17	37.46 0.26 0.19	38.69 0.42 0.21	41.04 0.49 0.25	45.34 0.50 0.32	50.47 0.45 0.41	56.24 0.50 -0.61	55.05 0.43 -0.92	52.98 0.41 -1.25	42.61 0.21 -0.23	40.41 0.28 -0.47	36.03 0.22 0.15	33.78 0.17 0.06
TRIGEN___CC 323695	39.71 2.80 -6.42	38.69 2.43 -8.64	37.85 2.20 -9.79	36.33 2.15 -8.90	35.15 2.05 -8.39	36.15 2.00 -9.74	36.03 2.18 -8.75	36.77 2.33 -8.77	38.19 2.74 -7.51	38.87 3.43 -1.78	38.17 3.31 0.00	39.16 3.40 0.00	40.94 3.55 0.00	41.86 3.39 0.00	44.35 3.55 0.00	49.32 4.16 0.00	55.11 4.69 0.00	60.14 5.02 0.00	58.16 4.46 0.00	55.07 3.75 0.00	45.20 3.04 0.00	42.72 3.05 0.00	38.94 2.98 0.00	36.54 2.86 0.00



TRINITY__115KV__4 BK 55933	31.34 0.85 0.00	28.42 0.80 0.00	26.55 0.70 0.00	25.99 0.71 0.00	25.39 0.69 0.00	25.04 0.63 0.00	25.78 0.68 0.00	26.30 0.64 0.00	28.63 0.70 0.00	34.61 0.94 0.00	35.66 0.80 0.00	36.51 0.75 0.00	38.09 0.71 0.00	39.05 0.58 0.00	41.49 0.69 0.00	46.07 0.90 0.00	51.63 1.21 0.00	56.45 1.32 0.00	55.04 1.34 0.00	52.45 1.13 0.00	43.14 0.97 0.00	40.53 0.87 0.00	36.68 0.72 0.00	34.45 0.77 0.00
UNION__PROCESSING_DRP 323587	30.76 0.27 0.00	27.70 0.08 0.00	25.80 -0.05 0.00	25.16 -0.13 0.00	24.60 -0.10 0.00	24.33 -0.07 0.00	24.80 -0.30 0.00	25.30 -0.36 0.00	27.68 -0.25 0.00	33.26 -0.40 0.00	35.17 0.31 0.00	36.40 0.64 0.00	38.47 1.08 0.00	40.02 1.54 0.00	42.55 1.75 0.00	46.61 1.45 0.00	51.58 1.16 0.00	56.62 1.49 0.00	54.88 1.18 0.00	52.30 0.98 0.00	42.88 0.72 0.00	40.73 1.07 0.00	36.75 0.79 0.00	34.32 0.64 0.00
UPPER HUDSON__HYD 24058	32.28 1.80 0.00	29.30 1.68 0.00	27.35 1.50 0.00	26.70 1.42 0.00	26.09 1.38 0.00	25.72 1.32 0.00	26.43 1.33 0.00	26.92 1.26 0.00	29.42 1.48 0.00	35.68 2.02 0.00	36.46 1.60 0.00	37.37 1.61 0.00	39.14 1.76 0.00	40.06 1.58 0.00	42.51 1.71 0.00	47.33 2.17 0.00	52.99 2.57 0.00	58.10 2.97 0.00	57.62 3.92 0.00	54.91 3.59 0.00	45.37 3.20 0.00	42.56 2.89 0.00	38.19 2.23 0.00	35.80 2.12 0.00
UPPER RAQUET__HYD 24056	25.49 -2.10 2.90	24.79 -1.79 1.03	24.15 -1.71 0.00	24.07 -1.21 0.00	23.52 -1.19 0.00	23.26 -1.15 0.00	24.02 -1.08 0.00	24.04 -1.62 0.00	24.89 -1.73 1.31	26.37 -2.16 5.14	26.58 -2.27 6.02	26.77 -2.32 6.66	27.06 -2.80 7.52	27.31 -2.85 8.32	27.77 -3.30 9.73	28.80 -3.70 12.66	30.03 -4.24 16.16	31.44 -4.63 19.06	49.91 -4.03 -0.24	48.46 -3.18 -0.32	40.03 -2.19 -0.06	37.36 -2.42 -0.12	28.02 -2.19 5.74	26.35 -2.19 5.14
VALLEY44_115KV_TB2 355964	30.76 0.27 0.00	27.67 0.06 0.00	25.80 -0.05 0.00	25.13 -0.15 0.00	24.58 -0.12 0.00	24.31 -0.10 0.00	24.75 -0.35 0.00	25.48 -0.18 0.00	27.88 -0.06 0.00	33.50 -0.17 0.00	35.73 0.87 0.00	37.05 1.29 0.00	39.29 1.91 0.00	41.09 2.62 0.00	43.94 3.14 0.00	48.06 2.89 0.00	53.04 2.62 0.00	58.10 2.98 0.00	55.79 2.09 0.00	53.02 1.69 0.00	43.05 0.89 0.00	41.09 1.43 0.00	37.11 1.15 0.00	34.52 0.84 0.00
VALLEY__115KV_TB 1-4 80826	31.27 0.85 0.07	28.34 0.75 0.02	26.53 0.67 0.00	25.94 0.66 0.00	25.35 0.64 0.00	25.04 0.63 0.00	25.78 0.68 0.00	26.30 0.64 0.00	28.66 0.75 0.03	34.49 0.94 0.12	35.66 0.94 0.14	36.54 0.93 0.15	38.34 1.12 0.17	39.41 1.12 0.19	41.72 1.14 0.22	46.15 1.26 0.29	51.42 1.36 0.36	56.29 1.60 0.44	55.26 1.56 0.00	52.86 1.54 0.00	43.31 1.14 0.00	40.81 1.15 0.00	36.84 1.01 0.12	34.48 0.91 0.11
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	32.16 1.68 0.00	29.08 1.46 0.00	27.15 1.29 0.00	26.55 1.26 0.00	25.91 1.21 0.00	25.60 1.20 0.00	26.40 1.31 0.00	26.99 1.33 0.00	29.50 1.56 0.00	35.62 1.95 0.00	36.85 1.99 0.00	37.76 2.00 0.00	39.78 2.39 0.00	40.90 2.42 0.00	43.37 2.57 0.00	48.01 2.85 0.00	53.60 3.18 0.00	59.09 3.69 -0.27	57.58 3.65 -0.23	55.28 3.64 -0.31	44.97 2.74 -0.06	42.48 2.70 -0.12	38.33 2.37 0.00	35.75 2.05 -0.02
VISCHER__FERRY HYD 24020	31.92 1.43 0.00	28.94 1.33 0.00	27.10 1.24 0.00	26.45 1.16 0.00	25.84 1.14 0.00	25.48 1.07 0.00	26.20 1.10 0.00	26.69 1.03 0.00	29.11 1.17 0.00	35.18 1.52 0.00	36.18 1.32 0.00	37.08 1.32 0.00	38.80 1.42 0.00	39.79 1.31 0.00	42.23 1.43 0.00	46.84 1.67 0.00	52.54 2.12 0.00	57.44 2.31 0.00	56.06 2.36 0.00	53.43 2.11 0.00	43.94 1.77 0.00	41.33 1.67 0.00	37.29 1.33 0.00	35.09 1.41 0.00
V_A_10_SYNC_DSASP 323832	30.27 -0.21 0.00	27.26 -0.36 0.00	25.52 -0.34 0.00	24.75 -0.53 0.00	24.21 -0.49 0.00	23.94 -0.46 0.00	24.57 -0.53 0.00	25.38 -0.28 0.00	27.12 -0.81 0.00	32.52 -1.14 0.00	34.79 -0.07 0.00	36.04 0.28 0.00	38.24 0.86 0.00	39.86 1.38 0.00	42.51 1.71 0.00	46.30 1.13 0.00	51.18 0.76 0.00	55.96 0.83 0.00	54.02 0.32 0.00	51.48 0.15 0.00	42.38 0.21 0.00	40.26 0.60 0.00	36.32 0.36 0.00	33.85 0.17 0.00
V_CMM_10_SYNC_DSASP 323787	29.92 -0.98 -0.41	26.96 -0.80 -0.15	25.13 -0.72 0.00	24.75 -0.53 0.00	24.18 -0.52 0.00	23.89 -0.51 0.00	24.65 -0.45 0.00	24.99 -0.67 0.00	27.39 -0.73 -0.19	33.46 -0.94 -0.73	34.73 -0.98 -0.85	35.70 -1.00 -0.94	37.10 -1.34 -1.06	38.31 -1.35 -1.18	40.58 -1.59 -1.38	45.15 -1.81 -1.79	50.59 -2.12 -2.28	55.49 -2.37 -2.74	51.66 -2.04 0.00	49.68 -1.64 0.00	41.16 -1.01 0.00	38.43 -1.23 0.00	35.73 -1.01 -0.78	33.33 -1.04 -0.70
V_CMP_10_SYNC_DSASP 323788	30.43 0.18 0.24	27.78 0.25 0.08	26.09 0.23 0.00	25.69 0.40 0.00	25.10 0.39 0.00	24.92 0.51 0.00	25.70 0.60 0.00	26.12 0.46 0.00	28.39 0.56 0.11	33.88 0.64 0.42	35.10 0.73 0.49	36.04 0.82 0.54	36.47 -0.30 0.61	37.61 -0.19 0.68	39.47 -0.53 0.79	43.23 -0.90 1.03	47.19 -1.92 1.32	51.57 -1.98 1.58	52.20 -1.50 0.00	50.50 -0.82 0.00	42.80 0.63 0.00	39.39 -0.28 0.00	35.82 0.36 0.49	33.20 -0.03 0.44
V_D_10_SYNC_DSASP 323841	30.02 -1.13 -0.66	26.94 -0.91 -0.23	25.00 -0.85 0.00	24.83 -0.45 0.00	24.23 -0.47 0.00	23.97 -0.44 0.00	24.72 -0.38 0.00	24.86 -0.80 0.00	27.37 -0.87 -0.30	33.74 -1.11 -1.18	35.08 -1.15 -1.37	36.13 -1.15 -1.52	37.56 -1.53 -1.71	38.87 -1.50 -1.89	41.18 -1.84 -2.22	45.97 -2.08 -2.88	51.68 -2.42 -3.68	56.83 -2.70 -4.41	51.34 -2.36 0.00	49.53 -1.80 0.00	41.07 -1.10 0.00	38.31 -1.35 0.00	36.08 -1.15 -1.28	33.68 -1.15 -1.15
V_E_10_SYNC_DSASP 323830	33.26 2.77 0.00	29.96 2.35 0.00	27.98 2.12 0.00	27.31 2.02 0.00	26.65 1.95 0.00	26.36 1.95 0.00	27.26 2.16 0.00	29.12 3.46 0.00	31.57 3.63 0.00	38.19 4.44 -0.08	39.39 4.53 0.00	40.34 4.58 0.00	43.18 5.79 0.00	44.44 5.96 0.00	46.92 6.12 0.00	51.67 6.51 0.00	57.68 7.26 0.00	61.83 6.06 -0.63	60.67 6.44 -0.53	58.97 6.93 -0.72	47.65 5.36 -0.13	45.17 5.23 -0.27	40.34 4.39 0.00	37.39 3.67 -0.04
V_F_30_NSYNC__DSASP 323816	32.41 1.92 0.00	29.41 1.79 0.00	27.48 1.63 0.00	26.80 1.52 0.00	26.18 1.48 0.00	25.82 1.41 0.00	26.53 1.43 0.00	27.04 1.38 0.00	29.50 1.56 0.00	35.72 2.05 0.00	36.74 1.88 0.00	37.65 1.89 0.00	39.48 2.09 0.00	40.48 2.00 0.00	42.92 2.12 0.00	47.74 2.57 0.00	53.44 3.02 0.00	58.49 3.36 0.00	57.46 3.76 0.00	54.76 3.44 0.00	45.08 2.91 0.00	42.36 2.70 0.00	38.11 2.16 0.00	35.80 2.12 0.00
V_F_30_SYNC_DSASP 323786	31.49 1.01 0.00	28.55 0.94 0.00	26.68 0.83 0.00	26.09 0.81 0.00	25.49 0.79 0.00	25.14 0.73 0.00	25.88 0.78 0.00	26.40 0.74 0.00	28.75 0.81 0.00	34.78 1.11 0.00	35.83 0.98 0.00	36.69 0.93 0.00	38.36 0.97 0.00	39.32 0.85 0.00	41.74 0.94 0.00	46.39 1.22 0.00	51.93 1.51 0.00	56.84 1.71 0.00	55.42 1.72 0.00	52.81 1.49 0.00	43.43 1.27 0.00	40.81 1.15 0.00	36.89 0.93 0.00	34.65 0.98 0.00



V_XM10_SYNC_DSASP 323789	30.43 0.18 0.24	27.78 0.25 0.08	26.09 0.23 0.00	25.69 0.40 0.00	25.10 0.39 0.00	24.92 0.51 0.00	25.70 0.60 0.00	26.12 0.46 0.00	28.39 0.56 0.11	33.88 0.64 0.42	35.10 0.73 0.49	36.04 0.82 0.54	36.47 -0.30 0.61	37.61 -0.19 0.68	39.47 -0.53 0.79	43.23 -0.90 1.03	47.19 -1.92 1.32	51.57 -1.98 1.58	52.20 -1.50 0.00	50.50 -0.82 0.00	42.80 0.63 0.00	39.39 -0.28 0.00	35.82 0.36 0.49	33.20 -0.03 0.44
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	32.77 2.29 0.00	29.60 1.99 0.00	27.64 1.78 0.00	27.00 1.72 0.00	26.36 1.66 0.00	26.02 1.61 0.00	26.86 1.76 0.00	27.56 1.90 0.00	30.23 2.29 0.00	36.53 2.86 0.00	37.75 2.89 0.00	38.62 2.86 0.00	40.45 3.07 0.00	41.48 3.00 0.00	44.06 3.26 0.00	49.10 3.93 0.00	54.86 4.44 0.00	59.92 4.80 0.00	58.00 4.30 0.00	55.07 3.75 0.00	44.99 2.83 0.00	42.36 2.70 0.00	38.58 2.62 0.00	36.20 2.53 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	32.98 2.50 0.00	29.77 2.15 0.00	27.79 1.94 0.00	27.18 1.90 0.00	26.51 1.80 0.00	26.14 1.73 0.00	27.03 1.93 0.00	27.79 2.13 0.00	30.48 2.54 0.00	36.86 3.20 0.00	38.10 3.24 0.00	38.98 3.22 0.00	40.82 3.44 0.00	41.75 3.27 0.00	44.35 3.55 0.00	49.32 4.16 0.00	55.06 4.64 0.00	60.09 4.96 0.00	58.26 4.56 0.00	55.22 3.90 0.00	45.20 3.04 0.00	42.60 2.93 0.00	38.91 2.95 0.00	36.47 2.80 0.00
W50THST__13_KV_LOAD 356117	33.17 2.68 0.00	29.93 2.32 0.00	27.95 2.09 0.00	27.33 2.05 0.00	26.65 1.95 0.00	26.29 1.88 0.00	27.18 2.08 0.00	27.94 2.28 0.00	30.67 2.74 0.00	37.10 3.43 0.00	38.34 3.49 0.00	39.26 3.50 0.00	41.09 3.70 0.00	42.06 3.58 0.00	44.63 3.84 0.00	49.73 4.56 0.00	55.46 5.04 0.00	60.53 5.40 0.00	58.64 4.94 0.00	55.58 4.26 0.00	45.50 3.33 0.00	42.87 3.21 0.00	39.12 3.16 0.00	36.67 3.00 0.00
WADING RIVER_IC_1 23522	40.28 3.17 -6.63	39.11 2.84 -8.65	38.26 2.61 -9.79	36.59 2.40 -8.90	35.39 2.30 -8.39	36.42 2.27 -9.74	36.28 2.43 -8.75	37.10 2.67 -8.77	38.63 3.18 -7.51	39.47 3.97 -1.83	45.89 3.73 -7.30	130.39 3.75 -90.87	122.82 3.96 -81.47	130.49 3.81 -88.20	133.20 4.00 -88.40	144.64 4.70 -94.78	243.82 5.40 -188.00	370.92 5.57 -310.23	145.10 5.05 -86.35	137.69 4.31 -82.06	133.28 3.41 -87.69	133.87 3.29 -90.92	39.20 3.24 -0.01	36.82 3.13 -0.01
WADING RIVER_IC_2 23547	40.28 3.17 -6.63	39.11 2.84 -8.65	38.26 2.61 -9.79	36.59 2.40 -8.90	35.39 2.30 -8.39	36.42 2.27 -9.74	36.28 2.43 -8.75	37.10 2.67 -8.77	38.63 3.18 -7.51	39.47 3.97 -1.83	45.89 3.73 -7.30	130.39 3.75 -90.87	122.82 3.96 -81.47	130.49 3.81 -88.20	133.20 4.00 -88.40	144.64 4.70 -94.78	243.82 5.40 -188.00	370.92 5.57 -310.23	145.10 5.05 -86.35	137.69 4.31 -82.06	133.28 3.41 -87.69	133.87 3.29 -90.92	39.20 3.24 -0.01	36.82 3.13 -0.01
WADING RIVER_IC_3 23601	40.28 3.17 -6.63	39.11 2.84 -8.65	38.26 2.61 -9.79	36.59 2.40 -8.90	35.39 2.30 -8.39	36.42 2.27 -9.74	36.28 2.43 -8.75	37.10 2.67 -8.77	38.63 3.18 -7.51	39.47 3.97 -1.83	45.89 3.73 -7.30	130.39 3.75 -90.87	122.82 3.96 -81.47	130.49 3.81 -88.20	133.20 4.00 -88.40	144.64 4.70 -94.78	243.82 5.40 -188.00	370.92 5.57 -310.23	145.10 5.05 -86.35	137.69 4.31 -82.06	133.28 3.41 -87.69	133.87 3.29 -90.92	39.20 3.24 -0.01	36.82 3.13 -0.01
WALDENNY_12_KV_BK2 80841	30.97 0.49 0.00	27.84 0.22 0.00	25.96 0.10 0.00	25.26 -0.03 0.00	24.70 0.00 0.00	24.43 0.02 0.00	24.80 -0.30 0.00	25.30 -0.36 0.00	27.71 -0.22 0.00	33.23 -0.44 0.00	35.63 0.77 0.00	36.94 1.18 0.00	39.29 1.91 0.00	41.17 2.69 0.00	44.10 3.30 0.00	47.97 2.80 0.00	52.79 2.37 0.00	57.77 2.65 0.00	55.69 1.99 0.00	52.91 1.59 0.00	43.05 0.89 0.00	41.25 1.59 0.00	37.22 1.26 0.00	34.69 1.01 0.00
WALDEN__HYDRO 24148	32.56 2.07 0.00	29.44 1.82 0.00	27.51 1.65 0.00	26.85 1.57 0.00	26.21 1.51 0.00	25.87 1.46 0.00	26.68 1.58 0.00	27.33 1.67 0.00	29.92 1.98 0.00	36.16 2.49 0.00	37.33 2.47 0.00	38.19 2.43 0.00	40.00 2.62 0.00	41.02 2.54 0.00	43.61 2.82 0.00	48.60 3.43 0.00	54.40 3.98 0.00	59.48 4.36 0.00	57.67 3.97 0.00	54.81 3.49 0.00	44.78 2.61 0.00	42.16 2.50 0.00	38.37 2.41 0.00	35.97 2.29 0.00
WARRENSBURG____ 23737	32.28 1.80 0.00	29.30 1.68 0.00	27.35 1.50 0.00	26.70 1.42 0.00	26.09 1.38 0.00	25.72 1.32 0.00	26.43 1.33 0.00	26.92 1.26 0.00	29.42 1.48 0.00	35.68 2.02 0.00	36.46 1.60 0.00	37.37 1.61 0.00	39.14 1.76 0.00	40.06 1.58 0.00	42.51 1.71 0.00	47.33 2.17 0.00	52.99 2.57 0.00	58.10 2.97 0.00	57.62 3.92 0.00	54.91 3.59 0.00	45.37 3.20 0.00	42.56 2.89 0.00	38.19 2.23 0.00	35.80 2.12 0.00
WATERSIDE____6 8 9 23538	33.07 2.59 0.00	29.82 2.21 0.00	27.82 1.96 0.00	27.21 1.92 0.00	26.51 1.80 0.00	26.11 1.71 0.00	27.01 1.91 0.00	27.74 2.08 0.00	30.45 2.51 0.00	36.83 3.16 0.00	38.07 3.21 0.00	38.94 3.18 0.00	40.67 3.29 0.00	41.63 3.16 0.00	44.15 3.35 0.00	49.05 3.88 0.00	54.66 4.24 0.00	59.65 4.52 0.00	57.84 4.13 0.00	54.75 3.44 0.01	44.95 2.78 0.00	42.44 2.78 0.00	38.87 2.91 0.00	36.54 2.86 0.00
WATKINRD_115KV_LN8_ILLION 55919	31.03 0.61 0.07	28.14 0.55 0.02	26.32 0.47 0.00	25.74 0.46 0.00	25.17 0.47 0.00	24.87 0.46 0.00	25.58 0.48 0.00	26.12 0.46 0.00	28.44 0.53 0.03	34.22 0.67 0.12	35.42 0.70 0.14	36.29 0.68 0.15	38.00 0.79 0.17	39.06 0.77 0.19	41.44 0.86 0.22	45.83 0.95 0.29	51.11 1.06 0.36	55.90 1.21 0.44	54.94 1.24 0.00	52.50 1.18 0.00	43.05 0.89 0.00	40.53 0.87 0.00	36.59 0.76 0.12	34.24 0.67 0.11
WATSON__69_KV_BK 1 55734	40.67 3.66 -6.53	39.55 3.29 -8.65	38.62 2.97 -9.79	37.02 2.83 -8.90	35.81 2.72 -8.39	36.81 2.66 -9.74	36.68 2.84 -8.75	37.48 3.05 -8.77	39.03 3.58 -7.51	39.85 4.38 -1.81	42.73 4.18 -3.69	85.93 4.26 -45.92	82.97 4.41 -41.17	87.20 4.16 -44.57	89.88 4.41 -44.67	98.25 5.19 -47.89	151.37 5.95 -95.00	218.23 6.34 -156.77	103.03 5.69 -43.64	97.66 4.88 -41.47	90.45 3.96 -44.31	89.57 3.97 -45.94	39.88 3.92 -0.01	37.42 3.74 -0.01
WDELAWARE__HYD 323627	31.82 1.34 0.00	28.77 1.16 0.00	26.92 1.06 0.00	26.22 0.94 0.00	25.59 0.89 0.00	25.26 0.85 0.00	26.05 0.95 0.00	26.63 0.97 0.00	29.16 1.23 0.00	35.25 1.58 0.00	36.32 1.46 0.00	37.12 1.36 0.00	38.99 1.61 0.00	40.02 1.54 0.00	42.59 1.79 0.00	47.42 2.26 0.00	53.19 2.77 0.00	58.27 3.14 0.00	56.60 2.90 0.00	53.94 2.62 0.00	43.90 1.73 0.00	41.37 1.70 0.00	37.54 1.58 0.00	35.23 1.55 0.00
WEST BABYLON__IC 23714	40.40 3.48 -6.44	39.35 3.09 -8.64	38.44 2.79 -9.79	36.87 2.68 -8.90	35.66 2.57 -8.39	36.64 2.49 -9.74	36.53 2.69 -8.75	37.30 2.87 -8.77	38.83 3.38 -7.51	39.62 4.17 -1.78	39.66 3.90 -0.90	50.92 3.97 -11.19	51.57 4.15 -10.03	53.23 3.89 -10.86	55.81 4.12 -10.89	61.72 4.88 -11.67	79.12 5.55 -23.15	99.29 5.95 -38.20	69.65 5.32 -10.63	65.94 4.52 -10.11	56.64 3.67 -10.80	54.55 3.69 -11.20	39.63 3.67 0.00	37.25 3.57 0.00



WEST CANADA___HYD 24049	30.72 0.30 0.07	27.84 0.25 0.02	26.09 0.23 0.00	25.49 0.20 0.00	24.90 0.20 0.00	24.60 0.19 0.00	25.30 0.20 0.00	25.86 0.20 0.00	28.16 0.25 0.03	33.85 0.30 0.12	35.04 0.31 0.14	35.89 0.28 0.15	37.59 0.37 0.17	38.64 0.35 0.19	40.99 0.41 0.22	45.33 0.45 0.29	50.61 0.56 0.36	55.30 0.61 0.44	54.29 0.59 0.00	51.84 0.51 0.00	42.50 0.34 0.00	40.02 0.36 0.00	36.12 0.29 0.12	33.87 0.30 0.11
WESTERN_NY_WIND 24143	31.43 0.94 0.00	28.22 0.61 0.00	26.27 0.41 0.00	25.56 0.28 0.00	25.00 0.30 0.00	24.72 0.32 0.00	25.10 0.00 0.00	25.56 -0.10 0.00	27.96 0.03 0.00	33.43 -0.24 0.00	35.63 0.77 0.00	36.94 1.18 0.00	39.25 1.87 0.00	41.05 2.58 0.00	43.82 3.02 0.00	47.69 2.53 0.00	52.59 2.17 0.00	57.88 2.76 0.00	56.01 2.31 0.00	53.38 2.05 0.00	43.69 1.52 0.00	41.72 2.06 0.00	37.57 1.62 0.00	35.06 1.38 0.00
WESTOVER___LESR 323668	31.18 0.70 0.00	28.14 0.52 0.00	26.27 0.41 0.00	25.66 0.38 0.00	25.07 0.37 0.00	24.77 0.37 0.00	25.37 0.28 0.00	26.07 0.41 0.00	28.47 0.53 0.00	34.42 0.64 -0.11	35.83 0.98 0.00	36.87 1.11 0.00	38.84 1.46 0.00	40.17 1.69 0.00	42.68 1.88 0.00	47.15 1.99 0.00	52.44 2.02 0.00	58.05 2.32 -0.60	56.19 1.99 -0.51	53.86 1.85 -0.69	43.60 1.31 -0.12	41.31 1.39 -0.26	37.18 1.22 0.00	34.73 1.01 -0.04
WETHRSFD_WT_PWR 323626	30.94 0.46 0.00	27.81 0.19 0.00	26.06 0.21 0.00	25.28 0.00 0.00	24.73 0.02 0.00	24.43 0.02 0.00	25.07 -0.03 0.00	25.97 0.31 0.00	27.82 -0.11 0.00	33.39 -0.27 0.00	35.66 0.80 0.00	36.94 1.18 0.00	39.25 1.87 0.00	40.90 2.43 0.00	43.70 2.90 0.00	47.65 2.48 0.00	52.69 2.27 0.00	57.61 2.48 0.00	55.58 1.88 0.00	53.01 1.69 0.00	43.52 1.35 0.00	41.29 1.63 0.00	37.25 1.29 0.00	34.69 1.01 0.00
WHAVSTOR_138KV_BK127 55557	32.62 2.13 0.00	29.47 1.85 0.00	27.51 1.65 0.00	26.90 1.62 0.00	26.23 1.53 0.00	25.89 1.49 0.00	26.73 1.63 0.00	27.45 1.80 0.00	30.09 2.15 0.00	36.36 2.69 0.00	37.54 2.68 0.00	38.44 2.68 0.00	40.23 2.84 0.00	41.25 2.77 0.00	43.82 3.02 0.00	48.78 3.61 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.62 3.92 0.00	54.66 3.34 0.00	44.74 2.57 0.00	42.12 2.46 0.00	38.40 2.45 0.00	36.00 2.32 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	32.62 2.13 0.00	29.47 1.85 0.00	27.51 1.65 0.00	26.90 1.62 0.00	26.23 1.53 0.00	25.89 1.49 0.00	26.73 1.63 0.00	27.45 1.80 0.00	30.09 2.15 0.00	36.36 2.69 0.00	37.54 2.68 0.00	38.44 2.68 0.00	40.23 2.84 0.00	41.25 2.77 0.00	43.82 3.02 0.00	48.78 3.61 0.00	54.50 4.08 0.00	59.54 4.41 0.00	57.62 3.92 0.00	54.66 3.34 0.00	44.74 2.57 0.00	42.12 2.46 0.00	38.40 2.45 0.00	36.00 2.32 0.00
WHITEHAL_115KV_TB1 80871	33.20 2.71 0.00	30.13 2.51 0.00	28.00 2.15 0.00	27.38 2.10 0.00	26.75 2.05 0.00	26.38 1.98 0.00	27.08 1.98 0.00	27.63 1.98 0.00	30.14 2.21 0.00	36.63 2.96 0.00	37.44 2.58 0.00	38.37 2.61 0.00	40.30 2.92 0.00	41.17 2.69 0.00	43.66 2.86 0.00	48.73 3.57 0.00	54.55 4.13 0.00	59.98 4.85 0.00	59.55 5.85 0.00	56.81 5.49 0.00	46.98 4.81 0.00	43.98 4.32 0.00	39.52 3.56 0.00	36.88 3.20 0.00
WHITEPLN_13_KV_LOAD 356215	33.26 2.77 0.00	29.99 2.37 0.00	28.00 2.15 0.00	27.36 2.07 0.00	26.68 1.98 0.00	26.33 1.93 0.00	27.23 2.13 0.00	27.97 2.31 0.00	30.65 2.71 0.00	37.10 3.43 0.00	38.38 3.52 0.00	39.23 3.47 0.00	41.05 3.66 0.00	42.09 3.62 0.00	44.76 3.96 0.00	49.86 4.70 0.00	55.71 5.29 0.00	60.86 5.73 0.00	59.02 5.32 0.00	55.99 4.67 0.00	45.71 3.54 0.00	42.99 3.33 0.00	39.16 3.20 0.00	36.71 3.03 0.00
WM_FLOYD_69_KV_BK2 356380	40.56 3.44 -6.63	39.39 3.12 -8.65	38.44 2.79 -9.79	36.81 2.63 -8.90	35.64 2.54 -8.39	36.64 2.49 -9.74	36.53 2.69 -8.75	37.30 2.87 -8.77	38.89 3.44 -7.51	39.74 4.24 -1.84	46.28 3.97 -7.45	132.57 4.11 -92.70	124.75 4.26 -83.11	132.53 4.08 -89.97	135.26 4.28 -90.18	146.95 5.10 -96.68	248.04 5.85 -191.77	377.81 6.23 -316.46	147.37 5.58 -88.08	139.85 4.82 -83.70	135.50 3.88 -89.45	136.29 3.89 -92.74	39.67 3.70 -0.01	37.19 3.50 -0.01
WOODARD__115KV_TB2 355635	30.38 -0.03 0.08	27.48 -0.11 0.03	25.67 -0.18 0.00	25.11 -0.18 0.00	24.55 -0.15 0.00	24.28 -0.12 0.00	24.87 -0.23 0.00	25.45 -0.21 0.00	27.76 -0.14 0.04	33.59 -0.13 -0.07	34.63 -0.07 0.16	35.62 0.04 0.18	37.37 0.19 0.20	38.60 0.35 0.22	40.95 0.41 0.26	45.19 0.36 0.34	50.29 0.30 0.43	56.18 0.39 -0.66	54.96 0.27 -0.99	52.97 0.31 -1.34	42.50 0.08 -0.24	40.37 0.20 -0.51	35.95 0.14 0.16	33.71 0.10 0.06
YORK___WARBASSE 23770	33.30 2.80 -0.01	30.03 2.40 -0.01	28.01 2.15 -0.01	27.39 2.10 -0.01	26.65 1.95 0.00	26.21 1.81 0.00	27.11 2.01 0.00	27.81 2.16 0.00	30.59 2.65 0.00	37.03 3.37 0.00	38.27 3.42 0.00	39.16 3.40 0.00	40.82 3.44 0.00	41.79 3.31 0.00	44.35 3.55 0.00	49.37 4.20 0.00	54.96 4.54 0.00	60.09 4.96 0.00	58.21 4.51 0.00	55.06 3.75 0.01	45.12 2.95 0.00	42.60 2.93 0.00	39.10 3.13 -0.02	36.75 3.06 -0.01