

# Day Ahead Market Generator LBMP

		--- LBMP \$										--- Marginal Cost of Losses										--- Marginal Cost of Congestion												
Generator Data																											08/19/2025							
Name		00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00									
PTID		EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT									
59TH STREET_GT_1		35.36	30.85	29.69	28.55	28.73	29.58	34.63	36.92	34.97	33.57	34.01	36.03	39.03	42.15	45.86	47.89	52.70	55.27	59.98	59.29	55.11	47.95	42.36	36.51									
24138		1.36	1.16	1.06	0.97	1.03	1.03	1.52	1.89	1.92	1.85	1.88	1.92	2.16	2.17	2.25	2.17	2.29	2.37	2.42	2.12	1.91	1.70	1.68	1.33									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-0.31	-0.48	-0.81	-1.16	-1.25	-1.39	-1.67	-0.30	0.00	0.00	0.00	-0.40	-0.80	-0.07									
74TH STREET_GT_1		35.39	30.88	29.72	28.57	28.76	29.58	34.59	36.92	34.94	33.54	33.98	36.00	39.00	42.11	45.82	47.84	52.65	55.16	59.93	59.23	55.05	47.95	42.40	36.55									
24260		1.39	1.19	1.09	0.99	1.05	1.03	1.49	1.89	1.88	1.82	1.85	1.88	2.13	2.14	2.20	2.13	2.24	2.26	2.36	2.06	1.86	1.70	1.71	1.37									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-0.31	-0.48	-0.81	-1.16	-1.25	-1.39	-1.67	-0.30	0.00	0.00	0.00	-0.40	-0.81	-0.07									
74TH STREET_GT_2		35.39	30.88	29.72	28.57	28.76	29.58	34.59	36.92	34.94	33.54	33.98	36.00	39.00	42.11	45.82	47.84	52.65	55.16	59.93	59.23	55.05	47.95	42.40	36.55									
24261		1.39	1.19	1.09	0.99	1.05	1.03	1.49	1.89	1.88	1.82	1.85	1.88	2.13	2.14	2.20	2.13	2.24	2.26	2.36	2.06	1.86	1.70	1.71	1.37									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-0.31	-0.48	-0.81	-1.16	-1.25	-1.39	-1.67	-0.30	0.00	0.00	0.00	-0.40	-0.81	-0.07									
ADK HUDSON__FALLS		34.92	30.46	29.43	28.30	28.48	29.38	34.20	36.19	34.02	31.72	31.85	33.43	35.68	38.04	41.44	43.37	47.96	53.35	59.24	59.12	55.37	46.93	40.44	36.04									
24011		0.92	0.77	0.80	0.72	0.78	0.83	1.09	1.16	0.96	0.63	0.29	0.20	0.29	0.19	0.13	0.22	0.63	1.00	1.67	1.94	2.18	1.42	1.24	0.98									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.26	0.41	0.68	0.98	1.05	1.17	1.41	0.25	0.00	0.00	0.00	0.34	0.68	0.06									
ADK RESOURCE__RCVRY		34.85	30.40	29.38	28.21	28.42	29.33	34.13	36.15	33.95	31.66	31.79	33.33	35.61	37.94	41.32	43.30	47.89	53.24	59.24	59.12	55.42	46.94	40.33	36.00									
23798		0.85	0.71	0.74	0.63	0.72	0.77	1.03	1.12	0.89	0.57	0.22	0.10	0.22	0.08	0.00	0.13	0.54	0.89	1.67	1.95	2.23	1.42	1.12	0.95									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.26	0.40	0.67	0.96	1.04	1.15	1.39	0.25	0.00	0.00	0.00	0.34	0.67	0.06									
ADK S GLENS__FALLS		34.92	30.46	29.43	28.30	28.48	29.38	34.20	36.19	34.02	31.72	31.85	33.43	35.68	38.04	41.44	43.37	47.96	53.35	59.24	59.12	55.37	46.93	40.44	36.04									
24028		0.92	0.77	0.80	0.72	0.78	0.83	1.09	1.16	0.96	0.63	0.29	0.20	0.29	0.19	0.13	0.22	0.63	1.00	1.67	1.94	2.18	1.42	1.24	0.98									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.26	0.41	0.68	0.98	1.05	1.17	1.41	0.25	0.00	0.00	0.00	0.34	0.68	0.06									
ADK_NYS__DAM		35.09	30.64	29.55	28.44	28.62	29.41	34.20	36.22	34.11	31.48	31.90	33.36	35.19	37.21	40.59	42.27	46.50	53.19	59.12	58.66	54.68	46.00	39.12	35.72									
23527		1.09	0.95	0.92	0.86	0.91	0.86	1.09	1.19	1.06	0.75	0.67	0.64	0.65	0.58	0.59	0.57	0.92	1.16	1.55	1.48	1.49	0.92	0.76	0.74									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.59	0.91	1.52	2.19	2.36	2.63	3.16	0.57	0.00	0.00	0.00	0.76	1.52	0.13									
AIR_PRODUCTS__DRP		33.86	29.60	28.69	27.58	27.70	28.47	33.01	34.99	32.99	31.00	31.40	33.01	35.19	37.51	40.90	42.60	46.88	51.80	56.99	56.60	52.76	44.96	38.94	34.64									
24190		-0.14	-0.09	0.06	0.00	0.00	-0.09	-0.10	-0.04	-0.07	-0.13	-0.19	-0.27	-0.29	-0.47	-0.55	-0.71	-0.63	-0.58	-0.58	-0.57	-0.43	-0.60	-0.36	-0.42									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.23	0.35	0.59	0.85	0.92	1.02	1.22	0.22	0.00	0.00	0.00	0.30	0.59	0.05									
AKWESSNE_115KV_BK		34.48	30.08	29.03	28.02	28.12	29.04	33.70	35.63	33.55	31.85	32.30	34.13	36.57	39.36	43.00	44.94	49.42	53.18	58.14	57.75	53.83	46.49	40.44	35.67									
355683		0.48	0.39	0.40	0.44	0.42	0.49	0.60	0.60	0.50	0.47	0.48	0.50	0.50	0.54	0.64	0.62	0.68	0.58	0.58	0.57	0.64	0.64	0.56	0.56									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
ALBANY_1_SOLAR		34.58	30.22	29.23	28.13	28.29	29.07	33.67	35.56	33.39	31.42	31.75	33.43	35.72	38.21	41.75	43.65	48.13	52.89	58.20	57.86	54.04	46.27	40.06	35.54									
323833		0.58	0.53	0.60	0.55	0.58	0.51	0.56	0.53	0.33	0.19	0.06	0.00	0.00	-0.12	-0.08	-0.09	0.10	0.42	0.63	0.69	0.85	0.59	0.52	0.46									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.13	0.20	0.34	0.49	0.53	0.59	0.71	0.13	0.00	0.00	0.00	0.17	0.34	0.03									
ALBANY_2_SOLAR		34.54	30.22	29.23	28.13	28.26	29.07	33.67	35.56	33.39	31.42	31.75	33.43	35.72	38.21	41.75	43.65	48.13	52.84	58.14	57.86	53.99	46.27	40.06	35.50									
323834		0.54	0.53	0.60	0.55	0.55	0.51	0.56	0.53	0.33	0.19	0.06	0.00	0.00	-0.12	-0.08	-0.09	0.10	0.37	0.58	0.69	0.80	0.59	0.52	0.42									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.13	0.20	0.34	0.49	0.53	0.59	0.71	0.13	0.00	0.00	0.00	0.17	0.34	0.03									
ALBANY__1		33.86	29.60	28.69	27.58	27.70	28.47	33.01	34.99	32.99	31.00	31.40	33.01	35.19	37.51	40.90	42.60	46.88	51.80	56.99	56.60	52.76	44.96	38.94	34.64									
23571		-0.14	-0.09	0.06	0.00	0.00	-0.09	-0.10	-0.04	-0.07	-0.13	-0.19	-0.27	-0.29	-0.47	-0.55	-0.71	-0.63	-0.58	-0.58	-0.57	-0.43	-0.60	-0.36	-0.42									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.23	0.35	0.59	0.85	0.92	1.02	1.22	0.22	0.00	0.00	0.00	0.30	0.59	0.05									



ALBANY___2 23572	33.86 -0.14 0.00	29.60 -0.09 0.00	28.69 0.06 0.00	27.58 0.00 0.00	27.70 0.00 0.00	28.47 -0.09 0.00	33.01 -0.10 0.00	34.99 -0.04 0.00	32.99 -0.07 0.00	31.00 -0.13 0.25	31.40 -0.19 0.23	33.01 -0.27 0.35	35.19 -0.29 0.59	37.51 -0.47 0.85	40.90 -0.55 0.92	42.60 -0.71 1.02	46.88 -0.63 1.22	51.80 -0.58 0.22	56.99 -0.58 0.00	56.60 -0.57 0.00	52.76 -0.43 0.00	44.96 -0.60 0.30	38.94 -0.36 0.59	34.64 -0.42 0.05
ALBANY___3 23573	33.86 -0.14 0.00	29.60 -0.09 0.00	28.69 0.06 0.00	27.58 0.00 0.00	27.70 0.00 0.00	28.47 -0.09 0.00	33.01 -0.10 0.00	34.99 -0.04 0.00	32.99 -0.07 0.00	31.00 -0.13 0.25	31.40 -0.19 0.23	33.01 -0.27 0.35	35.19 -0.29 0.59	37.51 -0.47 0.85	40.90 -0.55 0.92	42.60 -0.71 1.02	46.88 -0.63 1.22	51.80 -0.58 0.22	56.99 -0.58 0.00	56.60 -0.57 0.00	52.76 -0.43 0.00	44.96 -0.60 0.30	38.94 -0.36 0.59	34.64 -0.42 0.05
ALBANY___4 23574	33.86 -0.14 0.00	29.60 -0.09 0.00	28.69 0.06 0.00	27.58 0.00 0.00	27.70 0.00 0.00	28.47 -0.09 0.00	33.01 -0.10 0.00	34.99 -0.04 0.00	32.99 -0.07 0.00	31.00 -0.13 0.25	31.40 -0.19 0.23	33.01 -0.27 0.35	35.19 -0.29 0.59	37.51 -0.47 0.85	40.90 -0.55 0.92	42.60 -0.71 1.02	46.88 -0.63 1.22	51.80 -0.58 0.22	56.99 -0.58 0.00	56.60 -0.57 0.00	52.76 -0.43 0.00	44.96 -0.60 0.30	38.94 -0.36 0.59	34.64 -0.42 0.05
ALBANY___LFGE 323615	34.21 0.21 0.00	29.93 0.24 0.00	28.95 0.32 0.00	27.86 0.28 0.00	27.98 0.28 0.00	28.76 0.20 0.00	33.37 0.26 0.00	35.34 0.31 0.00	33.35 0.30 0.00	31.30 0.19 0.27	31.74 0.16 0.24	33.36 0.10 0.38	35.58 0.14 0.63	37.88 -0.04 0.90	41.30 -0.08 0.97	43.06 -0.18 1.08	47.39 -0.05 1.30	52.42 0.05 0.24	57.68 0.12 0.00	57.29 0.11 0.00	53.40 0.21 0.00	45.49 -0.05 0.31	39.22 -0.04 0.63	35.06 0.00 0.05
ALCOA_PA_115KV_PL-6C 55860	34.78 0.78 0.00	30.31 0.62 0.00	29.26 0.63 0.00	28.24 0.66 0.00	28.37 0.66 0.00	29.30 0.74 0.00	34.00 0.89 0.00	35.94 0.91 0.00	33.82 0.76 0.00	32.10 0.72 0.00	32.55 0.73 0.00	34.37 0.74 0.00	36.86 0.79 0.00	39.71 0.89 0.00	43.38 1.02 0.00	45.39 1.06 0.00	49.86 1.12 0.00	53.60 1.00 0.00	58.60 1.04 0.00	58.20 1.03 0.00	54.31 1.12 0.00	46.95 1.10 0.00	40.84 0.96 0.00	36.02 0.91 0.00
ALCOA_RYNLDS___DRP 24188	34.78 0.78 0.00	30.31 0.62 0.00	29.26 0.63 0.00	28.24 0.66 0.00	28.37 0.66 0.00	29.30 0.74 0.00	34.00 0.89 0.00	35.94 0.91 0.00	33.82 0.76 0.00	32.10 0.72 0.00	32.55 0.73 0.00	34.37 0.74 0.00	36.86 0.79 0.00	39.71 0.89 0.00	43.38 1.02 0.00	45.39 1.06 0.00	49.86 1.12 0.00	53.60 1.00 0.00	58.60 1.04 0.00	58.20 1.03 0.00	54.31 1.12 0.00	46.95 1.10 0.00	40.84 0.96 0.00	36.02 0.91 0.00
ALCOA___DSASP 323711	34.78 0.78 0.00	30.31 0.62 0.00	29.26 0.63 0.00	28.24 0.66 0.00	28.37 0.66 0.00	29.30 0.74 0.00	34.00 0.89 0.00	35.94 0.91 0.00	33.82 0.76 0.00	32.10 0.72 0.00	32.55 0.73 0.00	34.37 0.74 0.00	36.86 0.79 0.00	39.71 0.89 0.00	43.38 1.02 0.00	45.39 1.06 0.00	49.86 1.12 0.00	53.55 0.95 0.00	58.60 1.04 0.00	58.20 1.03 0.00	54.31 1.12 0.00	46.95 1.10 0.00	40.84 0.96 0.00	36.02 0.91 0.00
ALLEGHENY___COGEN 23514	35.94 1.94 0.00	31.44 1.75 0.00	30.15 1.52 0.00	28.96 1.38 0.00	29.06 1.36 0.00	30.07 1.51 0.00	34.43 1.33 0.00	35.87 0.84 0.00	33.46 0.40 0.00	31.69 0.31 0.00	32.20 0.38 0.00	34.13 0.51 0.00	36.53 0.47 0.00	39.60 0.78 0.00	43.34 0.98 0.00	45.78 1.46 0.00	48.64 -0.10 0.00	52.92 0.32 0.00	58.08 0.52 0.00	58.95 1.77 0.00	54.94 1.75 0.00	47.91 2.07 0.00	43.27 3.39 0.00	37.78 2.67 0.00
ALTAMONT_115KV_TB 2 55880	34.31 0.31 0.00	29.99 0.30 0.00	28.98 0.34 0.00	27.88 0.30 0.00	28.04 0.33 0.00	28.84 0.29 0.00	33.47 0.36 0.00	35.45 0.42 0.00	33.42 0.36 0.00	31.52 0.28 0.14	31.92 0.22 0.12	33.64 0.20 0.19	35.96 0.22 0.32	38.51 0.16 0.46	41.99 0.13 0.50	43.85 0.09 0.56	48.26 0.19 0.67	52.79 0.32 0.12	58.03 0.46 0.00	57.57 0.40 0.00	53.67 0.48 0.00	45.96 0.28 0.16	39.88 0.32 0.32	35.29 0.21 0.03
ALTONA_WT_PWR 323606	34.48 0.48 0.00	30.07 0.38 0.00	29.03 0.40 0.00	28.05 0.47 0.00	28.18 0.47 0.00	29.10 0.54 0.00	33.80 0.70 0.00	35.73 0.70 0.00	33.68 0.63 0.00	32.00 0.63 0.00	32.46 0.64 0.00	34.27 0.64 0.00	36.75 0.68 0.00	39.56 0.74 0.00	43.21 0.85 0.00	45.21 0.89 0.00	49.66 0.92 0.00	53.39 0.79 0.00	58.37 0.81 0.00	57.97 0.80 0.00	53.99 0.80 0.00	46.63 0.78 0.00	40.52 0.64 0.00	35.78 0.67 0.00
AMERICAN_REF_FUEL 24010	34.31 0.31 0.00	30.14 0.45 0.00	28.95 0.32 0.00	27.42 -0.16 0.00	27.93 0.22 0.00	28.78 0.23 0.00	32.24 -0.86 0.00	33.38 -1.65 0.00	31.67 -1.39 0.00	30.44 -0.94 0.00	31.15 -0.67 0.00	33.09 -0.54 0.00	35.30 -0.76 0.00	38.31 -0.51 0.00	41.90 -0.47 0.00	44.06 -0.26 0.00	48.35 -0.39 0.00	51.91 -0.69 0.00	55.96 -1.61 0.00	55.97 -1.20 0.00	51.70 -1.49 0.00	45.53 -0.32 0.00	40.68 0.80 0.00	36.13 1.02 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	34.48 0.48 0.00	30.19 0.50 0.00	28.95 0.32 0.00	27.77 0.19 0.00	27.90 0.20 0.00	28.90 0.34 0.00	32.81 -0.30 0.00	34.26 -0.77 0.00	32.59 -0.46 0.00	31.53 0.16 0.00	32.39 0.57 0.00	34.50 0.87 0.00	37.00 0.94 0.00	40.22 1.40 0.00	43.97 1.61 0.00	46.27 1.95 0.00	50.74 2.00 0.00	54.49 1.89 0.00	58.89 1.33 0.00	59.00 1.83 0.00	54.31 1.12 0.00	47.55 1.70 0.00	42.07 2.19 0.00	36.83 1.72 0.00
ARTHUR KILL_GT_1 23520	35.46 1.46 0.00	30.91 1.22 0.00	29.72 1.09 0.00	28.57 0.99 0.00	28.73 1.03 0.00	29.41 0.86 0.00	34.33 1.22 0.00	36.54 1.51 0.00	34.54 1.49 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.63 1.51 -0.48	38.67 1.80 -0.81	41.80 1.82 -1.16	45.69 2.08 -1.25	47.31 1.60 -1.39	51.77 1.36 -1.67	53.95 1.05 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.20 1.01 0.00	47.44 1.19 -0.40	42.44 1.75 -0.81	36.65 1.47 -0.07
ARTHUR_KILL_2 23512	35.37 1.36 -0.01	30.83 1.13 -0.01	29.64 1.00 -0.01	28.50 0.91 -0.01	28.68 0.97 -0.01	29.27 0.71 0.00	34.23 1.13 0.00	36.43 1.40 0.00	34.45 1.39 0.00	33.19 1.48 -0.34	33.56 1.43 -0.31	35.52 1.41 -0.48	38.56 1.70 -0.81	41.69 1.71 -1.16	45.52 1.91 -1.25	47.14 1.42 -1.39	51.57 1.17 -1.67	53.68 0.79 -0.29	58.60 1.04 0.01	57.91 0.74 0.01	53.93 0.74 0.01	47.26 1.01 -0.40	42.04 1.36 -0.81	36.52 1.33 -0.08
ARTHUR_KILL_3 23513	35.06 1.06 0.00	30.58 0.89 0.00	29.41 0.77 0.00	28.32 0.74 0.00	28.48 0.77 0.00	29.27 0.71 0.00	34.26 1.16 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.25 1.54 -0.34	33.66 1.53 -0.31	35.66 1.55 -0.48	38.64 1.77 -0.81	41.73 1.75 -1.16	45.35 1.74 -1.25	47.36 1.64 -1.39	52.07 1.66 -1.67	54.48 1.58 -0.30	59.18 1.61 0.00	58.43 1.26 0.00	54.31 1.12 0.00	47.49 1.24 -0.40	41.76 1.08 -0.80	36.16 0.98 -0.07



ARTHUR_KILL_COGEN 323718	35.47 1.46 -0.01	30.92 1.22 -0.01	29.73 1.09 -0.01	28.58 0.99 -0.01	28.74 1.03 -0.01	29.35 0.80 0.00	34.33 1.23 0.00	36.54 1.51 0.00	34.55 1.49 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.63 1.51 -0.48	38.67 1.80 -0.81	41.80 1.82 -1.16	45.69 2.08 -1.25	47.31 1.59 -1.39	51.77 1.36 -1.67	53.89 1.00 -0.29	58.82 1.26 0.01	58.14 0.97 0.01	54.14 0.96 0.01	47.44 1.19 -0.40	42.20 1.52 -0.81	36.63 1.44 -0.08
ASHOKAN____ 23654	34.64 0.64 0.00	30.19 0.50 0.00	29.21 0.57 0.00	28.08 0.50 0.00	28.23 0.53 0.00	28.92 0.37 0.00	33.63 0.53 0.00	35.45 0.42 0.00	33.32 0.26 0.00	32.66 1.29 0.00	33.03 1.21 0.00	34.81 1.18 0.00	37.43 1.37 0.00	40.22 1.40 0.00	43.89 1.52 0.00	46.01 1.68 0.00	50.74 2.00 0.00	55.18 2.58 0.00	58.60 1.04 0.00	58.15 0.97 0.00	54.41 1.22 0.00	48.09 2.25 0.00	41.80 1.91 0.00	35.71 0.60 0.00
ASTORIA_EAST_ENERGY_CC1 323581	35.50 1.49 -0.01	30.94 1.25 -0.01	29.79 1.15 -0.01	28.75 1.16 -0.01	28.90 1.19 -0.01	29.41 0.86 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.54 1.49 0.01	33.28 1.57 -0.33	33.62 1.50 -0.30	35.58 1.48 -0.47	38.56 1.70 -0.80	41.64 1.67 -1.15	45.39 1.78 -1.24	47.26 1.55 -1.39	51.92 1.51 -1.67	54.05 1.16 -0.29	58.82 1.26 0.01	58.08 0.91 0.01	54.03 0.85 0.01	47.40 1.15 -0.40	42.04 1.36 -0.81	36.66 1.47 -0.08
ASTORIA_EAST_ENERGY_CC2 323582	35.50 1.49 -0.01	30.94 1.25 -0.01	29.79 1.15 -0.01	28.75 1.16 -0.01	28.90 1.19 -0.01	29.41 0.86 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.54 1.49 0.01	33.28 1.57 -0.33	33.62 1.50 -0.30	35.58 1.48 -0.47	38.56 1.70 -0.80	41.64 1.67 -1.15	45.39 1.78 -1.24	47.26 1.55 -1.39	51.92 1.51 -1.67	54.05 1.16 -0.29	58.82 1.26 0.01	58.08 0.91 0.01	54.03 0.85 0.01	47.40 1.15 -0.40	42.04 1.36 -0.81	36.66 1.47 -0.08
ASTORIA_GT2_1 24094	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT2_2 24095	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT2_3 24096	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT2_4 24097	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT3_1 24098	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT3_2 24099	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT3_3 24100	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT3_4 24101	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT4_1 24102	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT4_2 24103	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT4_3 24104	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07



ASTORIA_GT4_4 24105	35.50 1.50 0.00	30.94 1.25 0.00	29.81 1.17 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.58 1.52 0.00	33.29 1.57 -0.34	33.66 1.53 -0.31	35.59 1.48 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.44 1.82 -1.25	47.31 1.60 -1.39	51.97 1.56 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.44 1.19 -0.40	42.32 1.64 -0.81	36.69 1.51 -0.07
ASTORIA_GT_1 23523	35.56 1.56 0.00	31.00 1.31 0.00	29.86 1.23 0.00	28.79 1.21 0.00	28.95 1.25 0.00	29.58 1.03 0.00	34.43 1.32 0.00	36.57 1.54 0.00	34.64 1.59 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.52 1.91 -1.25	47.40 1.68 -1.39	52.07 1.66 -1.67	54.27 1.37 -0.30	59.01 1.44 0.00	58.38 1.20 0.00	54.25 1.06 0.00	47.54 1.28 -0.40	42.40 1.71 -0.81	36.76 1.58 -0.07
ASTORIA_GT_10 24110	35.36 1.36 0.00	30.88 1.19 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.76 1.05 0.00	29.47 0.91 0.00	34.40 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.56 1.95 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.01 1.44 0.00	58.32 1.14 0.00	54.25 1.06 0.00	47.44 1.19 -0.40	42.24 1.56 -0.81	36.51 1.33 -0.07
ASTORIA_GT_11 24225	35.36 1.36 0.00	30.88 1.19 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.76 1.05 0.00	29.47 0.91 0.00	34.40 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.56 1.95 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.01 1.44 0.00	58.32 1.14 0.00	54.25 1.06 0.00	47.44 1.19 -0.40	42.24 1.56 -0.81	36.51 1.33 -0.07
ASTORIA_GT_12 24226	35.36 1.36 0.00	30.88 1.19 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.76 1.05 0.00	29.47 0.91 0.00	34.40 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.56 1.95 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.01 1.44 0.00	58.32 1.14 0.00	54.25 1.06 0.00	47.44 1.19 -0.40	42.24 1.56 -0.81	36.51 1.33 -0.07
ASTORIA_GT_13 24227	35.36 1.36 0.00	30.88 1.19 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.76 1.05 0.00	29.47 0.91 0.00	34.40 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.56 1.95 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.01 1.44 0.00	58.32 1.14 0.00	54.25 1.06 0.00	47.44 1.19 -0.40	42.24 1.56 -0.81	36.51 1.33 -0.07
ASTORIA_GT_5 24106	35.56 1.56 0.00	31.00 1.31 0.00	29.86 1.23 0.00	28.79 1.21 0.00	28.95 1.25 0.00	29.58 1.03 0.00	34.43 1.32 0.00	36.57 1.54 0.00	34.64 1.59 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.52 1.91 -1.25	47.40 1.68 -1.39	52.07 1.66 -1.67	54.27 1.37 -0.30	59.01 1.44 0.00	58.38 1.20 0.00	54.25 1.06 0.00	47.54 1.28 -0.40	42.40 1.71 -0.81	36.76 1.58 -0.07
ASTORIA_GT_7 24107	35.56 1.56 0.00	31.00 1.31 0.00	29.86 1.23 0.00	28.79 1.21 0.00	28.95 1.25 0.00	29.58 1.03 0.00	34.43 1.32 0.00	36.57 1.54 0.00	34.64 1.59 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.52 1.91 -1.25	47.40 1.68 -1.39	52.07 1.66 -1.67	54.27 1.37 -0.30	59.01 1.44 0.00	58.38 1.20 0.00	54.25 1.06 0.00	47.54 1.28 -0.40	42.40 1.71 -0.81	36.76 1.58 -0.07
ASTORIA_GT_8 24108	35.56 1.56 0.00	31.00 1.31 0.00	29.86 1.23 0.00	28.79 1.21 0.00	28.95 1.25 0.00	29.58 1.03 0.00	34.43 1.32 0.00	36.57 1.54 0.00	34.64 1.59 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.52 1.91 -1.25	47.40 1.68 -1.39	52.07 1.66 -1.67	54.27 1.37 -0.30	59.01 1.44 0.00	58.38 1.20 0.00	54.25 1.06 0.00	47.54 1.28 -0.40	42.40 1.71 -0.81	36.76 1.58 -0.07
ASTORIA___2 24149	35.50 1.49 -0.01	30.97 1.28 -0.01	29.81 1.17 -0.01	28.75 1.16 -0.01	28.93 1.22 -0.01	29.44 0.89 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.57 1.52 0.01	33.28 1.57 -0.33	33.65 1.53 -0.30	35.58 1.48 -0.47	38.59 1.73 -0.80	41.68 1.71 -1.15	45.43 1.82 -1.24	47.30 1.59 -1.39	51.97 1.56 -1.67	54.05 1.16 -0.29	58.82 1.26 0.01	58.14 0.97 0.01	54.03 0.85 0.01	47.44 1.19 -0.40	42.08 1.40 -0.81	36.70 1.51 -0.08
ASTORIA___3 23516	35.37 1.36 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.77 1.05 -0.01	29.41 0.86 0.00	34.39 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.57 1.95 -1.25	47.44 1.73 -1.39	52.12 1.70 -1.67	54.26 1.37 -0.29	59.00 1.44 0.01	58.25 1.08 0.01	54.19 1.01 0.01	47.44 1.19 -0.40	42.00 1.31 -0.81	36.49 1.30 -0.08
ASTORIA___4 23517	35.36 1.36 0.00	30.88 1.19 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.76 1.05 0.00	29.47 0.91 0.00	34.40 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.56 1.95 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.01 1.44 0.00	58.32 1.14 0.00	54.25 1.06 0.00	47.44 1.19 -0.40	42.24 1.56 -0.81	36.51 1.33 -0.07
ASTORIA___5 23518	35.37 1.36 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.77 1.05 -0.01	29.41 0.86 0.00	34.39 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.57 1.95 -1.25	47.44 1.73 -1.39	52.12 1.70 -1.67	54.26 1.37 -0.29	59.00 1.44 0.01	58.25 1.08 0.01	54.19 1.01 0.01	47.44 1.19 -0.40	42.00 1.31 -0.81	36.49 1.30 -0.08
AST_ENERGY_2_CC3 323677	35.12 1.12 0.00	30.67 0.98 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.35 0.80 0.00	34.32 1.23 0.01	35.55 1.58 1.06	34.63 1.59 0.02	33.27 1.57 -0.33	33.67 1.56 -0.29	35.68 1.58 -0.47	35.94 1.80 1.93	35.94 1.79 4.67	35.94 1.82 8.24	35.94 1.73 10.11	35.94 1.75 14.55	35.94 1.73 18.39	39.53 1.79 19.82	38.79 1.48 19.87	35.94 1.33 18.58	35.94 1.28 11.19	35.94 1.16 5.10	35.94 1.05 0.22
AST_ENERGY_2_CC4 323678	35.12 1.12 0.00	30.67 0.98 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.35 0.80 0.00	34.32 1.23 0.01	35.55 1.58 1.06	34.63 1.59 0.02	33.27 1.57 -0.33	33.67 1.56 -0.29	35.68 1.58 -0.47	35.94 1.80 1.93	35.94 1.79 4.67	35.94 1.82 8.24	35.94 1.73 10.11	35.94 1.75 14.55	35.94 1.73 18.39	39.53 1.79 19.82	38.79 1.48 19.87	35.94 1.33 18.58	35.94 1.28 11.19	35.94 1.16 5.10	35.94 1.05 0.22



ATHENS_STG_1 23668	34.31 0.31 0.00	29.96 0.27 0.00	28.95 0.32 0.00	27.88 0.30 0.00	28.04 0.33 0.00	28.81 0.26 0.00	33.47 0.36 0.00	35.52 0.49 0.00	33.52 0.46 0.00	31.93 0.41 -0.15	32.34 0.38 -0.13	34.21 0.37 -0.21	36.84 0.43 -0.35	39.67 0.35 -0.50	43.24 0.34 -0.54	45.19 0.27 -0.60	49.75 0.29 -0.72	53.10 0.37 -0.13	58.03 0.46 0.00	57.52 0.35 0.00	53.57 0.37 0.00	46.25 0.23 -0.17	40.39 0.16 -0.35	35.32 0.18 -0.03
ATHENS_STG_2 23670	34.31 0.31 0.00	29.96 0.27 0.00	28.95 0.32 0.00	27.88 0.30 0.00	28.04 0.33 0.00	28.81 0.26 0.00	33.47 0.36 0.00	35.52 0.49 0.00	33.52 0.46 0.00	31.93 0.41 -0.15	32.34 0.38 -0.13	34.21 0.37 -0.21	36.84 0.43 -0.35	39.67 0.35 -0.50	43.24 0.34 -0.54	45.19 0.27 -0.60	49.75 0.29 -0.72	53.10 0.37 -0.13	58.03 0.46 0.00	57.52 0.35 0.00	53.57 0.37 0.00	46.25 0.23 -0.17	40.39 0.16 -0.35	35.32 0.18 -0.03
ATHENS_STG_3 23677	34.31 0.31 0.00	29.96 0.27 0.00	28.95 0.32 0.00	27.88 0.30 0.00	28.04 0.33 0.00	28.81 0.26 0.00	33.47 0.36 0.00	35.52 0.49 0.00	33.52 0.46 0.00	31.93 0.41 -0.15	32.34 0.38 -0.13	34.21 0.37 -0.21	36.84 0.43 -0.35	39.67 0.35 -0.50	43.24 0.34 -0.54	45.19 0.27 -0.60	49.75 0.29 -0.72	53.10 0.37 -0.13	58.03 0.46 0.00	57.52 0.35 0.00	53.57 0.37 0.00	46.25 0.23 -0.17	40.39 0.16 -0.35	35.32 0.18 -0.03
AUBURN____LFGE 323710	34.17 0.17 0.00	29.84 0.15 0.00	28.72 0.09 0.00	27.64 0.06 0.00	27.76 0.06 0.00	28.61 0.06 0.00	33.14 0.03 0.00	34.96 -0.07 0.00	33.02 -0.03 0.00	31.38 0.00 0.00	31.95 0.13 0.00	33.80 0.17 0.00	36.24 0.18 0.00	39.13 0.31 0.00	42.74 0.38 0.00	44.81 0.49 0.00	49.18 0.44 0.00	53.18 0.58 0.00	58.14 0.58 0.00	57.92 0.74 0.00	53.78 0.59 0.00	46.54 0.69 0.00	40.36 0.48 0.00	35.50 0.39 0.00
BABYLON_RES_REC 323704	36.19 2.18 -0.01	31.20 1.51 0.00	29.98 1.35 0.00	28.60 1.02 0.00	28.81 1.11 0.00	29.98 1.43 0.00	35.12 2.02 0.00	37.52 2.49 0.00	35.31 2.25 0.00	33.57 1.85 -0.34	34.14 2.01 -0.31	36.37 2.25 -0.48	39.07 2.20 -0.81	41.92 1.94 -1.16	44.72 1.10 -1.25	46.52 0.80 -1.39	51.00 0.59 -1.67	54.32 1.42 -0.30	59.81 2.24 0.00	58.03 0.86 0.00	54.57 1.38 0.00	46.89 0.64 -0.40	41.80 1.12 -0.81	36.79 1.62 -0.07
BALL_HILL_WT_PWR 323825	34.58 0.58 0.00	30.31 0.62 0.00	29.09 0.46 0.00	27.91 0.33 0.00	28.06 0.36 0.00	29.01 0.46 0.00	32.84 -0.27 0.00	34.19 -0.84 0.00	32.46 -0.59 0.00	31.25 -0.13 0.00	32.04 0.22 0.00	34.07 0.44 0.00	36.42 0.36 0.00	39.56 0.74 0.00	43.25 0.89 0.00	45.47 1.15 0.00	49.86 1.12 0.00	53.76 1.16 0.00	58.08 0.52 0.00	58.15 0.97 0.00	53.61 0.42 0.00	46.95 1.10 0.00	41.72 1.84 0.00	36.62 1.51 0.00
BARON_WINDS____WT_PWR 323822	34.51 0.51 0.00	30.22 0.53 0.00	29.00 0.37 0.00	27.86 0.28 0.00	27.93 0.22 0.00	28.84 0.29 0.00	32.97 -0.13 0.00	34.40 -0.63 0.00	32.46 -0.59 0.00	30.97 -0.41 0.00	31.63 -0.19 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.98 0.16 0.00	42.58 0.21 0.00	44.68 0.35 0.00	48.88 0.15 0.00	52.97 0.37 0.00	57.68 0.12 0.00	57.86 0.69 0.00	53.46 0.27 0.00	46.49 0.64 0.00	41.00 1.12 0.00	35.99 0.88 0.00
BARRETT_IC_1 23704	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_10 23701	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_11 23702	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_12 23703	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_2 23705	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_3 23706	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_4 23707	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_5 23708	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07



BARRETT_IC_6 23709	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_7 23710	35.77 1.77 0.00	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.75 1.20 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.82 -0.48	38.78 1.91 -0.81	41.57 1.59 -1.16	44.46 0.85 -1.25	46.60 0.89 -1.39	51.19 0.78 -1.67	54.38 1.47 -0.30	59.87 2.30 0.00	58.60 1.43 0.00	54.57 1.38 0.00	47.12 0.87 -0.40	42.28 1.60 -0.81	36.72 1.54 -0.07
BARRETT_IC_8 23711	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT_IC_9 23700	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT___1 23545	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BARRETT___2 23546	35.77 1.77 -0.01	30.97 1.28 0.00	29.75 1.12 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.73 1.17 0.00	34.79 1.69 0.00	37.13 2.10 0.00	34.78 1.72 0.00	33.16 1.44 -0.34	33.75 1.62 -0.31	35.93 1.81 -0.48	38.67 1.80 -0.81	41.49 1.51 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.37 1.47 -0.30	59.81 2.24 0.00	58.32 1.14 0.00	54.52 1.33 0.00	47.08 0.83 -0.40	41.64 0.96 -0.81	36.55 1.37 -0.07
BATAVIA__115KV_TB1 55881	35.50 1.50 0.00	31.11 1.43 0.00	29.84 1.20 0.00	28.46 0.88 0.00	28.79 1.08 0.00	29.67 1.11 0.00	33.63 0.53 0.00	35.14 0.11 0.00	33.16 0.10 0.00	31.78 0.41 0.00	32.52 0.70 0.00	34.54 0.91 0.00	36.93 0.87 0.00	40.06 1.24 0.00	43.93 1.57 0.00	46.27 1.95 0.00	50.39 1.66 0.00	54.34 1.74 0.00	58.72 1.15 0.00	58.83 1.66 0.00	54.41 1.22 0.00	47.73 1.88 0.00	41.52 1.64 0.00	37.01 1.90 0.00
BAYONEEC___CTG1 323682	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BAYONEEC___CTG10 323750	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BAYONEEC___CTG2 323683	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BAYONEEC___CTG3 323684	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BAYONEEC___CTG4 323685	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BAYONEEC___CTG5 323686	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BAYONEEC___CTG6 323687	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BAYONEEC___CTG7 323688	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07



BAYONEEC___CTG8 323689	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BAYONEEC___CTG9 323749	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.54 1.82 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.57 1.38 0.00	47.63 1.37 -0.40	41.92 1.24 -0.80	36.30 1.12 -0.07
BEACON___LESR 323632	34.34 0.34 0.00	30.02 0.33 0.00	29.06 0.43 0.00	27.94 0.36 0.00	28.06 0.36 0.00	28.87 0.31 0.00	33.50 0.40 0.00	35.48 0.45 0.00	33.49 0.43 0.00	31.40 0.28 0.26	31.84 0.25 0.24	33.47 0.20 0.37	35.71 0.25 0.61	38.02 0.08 0.88	41.50 0.08 0.95	43.31 0.04 1.06	47.71 0.24 1.27	52.79 0.42 0.23	58.08 0.52 0.00	57.69 0.51 0.00	53.78 0.59 0.00	45.82 0.28 0.31	39.43 0.16 0.61	35.23 0.18 0.05
BEAVER RIVER___HYD 24048	35.36 1.36 0.00	30.55 0.86 0.00	29.41 0.77 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.47 0.91 0.00	34.23 1.13 0.00	36.22 1.19 0.00	33.95 0.89 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.54 0.91 0.00	36.93 0.86 0.00	39.91 1.09 0.00	43.42 1.06 0.00	45.56 1.24 0.00	50.00 1.27 0.00	53.86 1.26 0.00	59.41 1.84 0.00	59.12 1.95 0.00	55.21 2.02 0.00	47.73 1.88 0.00	41.16 1.28 0.00	36.20 1.09 0.00
BEEBEE_GT_13 23619	34.51 0.51 0.00	30.22 0.53 0.00	29.00 0.37 0.00	27.88 0.30 0.00	27.98 0.28 0.00	28.84 0.29 0.00	33.07 -0.03 0.00	34.78 -0.25 0.00	32.89 -0.17 0.00	31.47 0.09 0.00	32.14 0.32 0.00	34.10 0.47 0.00	36.50 0.43 0.00	39.52 0.70 0.00	43.29 0.93 0.00	45.48 1.15 0.00	49.91 1.17 0.00	53.76 1.16 0.00	58.20 0.63 0.00	58.09 0.91 0.00	53.83 0.64 0.00	46.95 1.10 0.00	40.80 0.92 0.00	36.16 1.05 0.00
BENSHRST_27_KV_BENSHRST_1 355998	35.56 1.56 0.00	31.00 1.31 0.00	29.81 1.17 0.00	28.66 1.08 0.00	28.81 1.11 0.00	29.53 0.97 0.00	34.50 1.39 0.00	36.75 1.72 0.00	34.78 1.72 0.00	33.51 1.79 -0.34	33.88 1.75 -0.31	35.83 1.72 -0.48	38.92 2.06 -0.81	42.04 2.06 -1.16	45.90 2.29 -1.25	47.71 1.99 -1.39	52.36 1.95 -1.67	54.59 1.68 -0.30	59.47 1.90 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.72 1.47 -0.40	42.56 1.87 -0.81	36.76 1.58 -0.07
BETHLEHEM___GRP 23843	33.86 -0.14 0.00	29.60 -0.09 0.00	28.69 0.06 0.00	27.58 0.00 0.00	27.70 0.00 0.00	28.47 -0.09 0.00	33.01 -0.10 0.00	34.99 -0.04 0.00	32.99 -0.07 0.00	31.00 -0.13 0.25	31.40 -0.19 0.23	33.01 -0.27 0.35	35.19 -0.29 0.59	37.51 -0.47 0.85	40.90 -0.55 0.92	42.60 -0.71 1.02	46.88 -0.63 1.22	51.80 -0.58 0.22	56.99 -0.58 0.00	56.60 -0.57 0.00	52.76 -0.43 0.00	44.96 -0.60 0.30	38.94 -0.36 0.59	34.64 -0.42 0.05
BETHLEHEM___GS1 323560	33.86 -0.14 0.00	29.63 -0.06 0.00	28.69 0.06 0.00	27.58 0.00 0.00	27.70 0.00 0.00	28.47 -0.09 0.00	33.01 -0.10 0.00	35.00 -0.03 0.00	32.99 -0.07 0.00	31.00 -0.13 0.25	31.40 -0.19 0.23	33.01 -0.27 0.35	35.22 -0.25 0.59	37.47 -0.51 0.85	40.90 -0.55 0.92	42.59 -0.71 1.02	46.88 -0.63 1.22	51.80 -0.58 0.22	56.99 -0.58 0.00	56.55 -0.63 0.00	52.76 -0.43 0.00	44.96 -0.60 0.30	38.77 -0.52 0.59	34.67 -0.39 0.05
BETHLEHEM___GS2 323561	33.86 -0.14 0.00	29.63 -0.06 0.00	28.69 0.06 0.00	27.58 0.00 0.00	27.70 0.00 0.00	28.47 -0.09 0.00	33.01 -0.10 0.00	35.00 -0.03 0.00	32.99 -0.07 0.00	31.00 -0.13 0.25	31.40 -0.19 0.23	33.01 -0.27 0.35	35.22 -0.25 0.59	37.47 -0.51 0.85	40.90 -0.55 0.92	42.59 -0.71 1.02	46.88 -0.63 1.22	51.80 -0.58 0.22	56.99 -0.58 0.00	56.55 -0.63 0.00	52.76 -0.43 0.00	44.96 -0.60 0.30	38.77 -0.52 0.59	34.67 -0.39 0.05
BETHLEHEM___GS3 323562	33.86 -0.14 0.00	29.63 -0.06 0.00	28.69 0.06 0.00	27.58 0.00 0.00	27.70 0.00 0.00	28.47 -0.09 0.00	33.01 -0.10 0.00	35.00 -0.03 0.00	32.99 -0.07 0.00	31.00 -0.13 0.25	31.40 -0.19 0.23	33.01 -0.27 0.35	35.22 -0.25 0.59	37.47 -0.51 0.85	40.90 -0.55 0.92	42.59 -0.71 1.02	46.88 -0.63 1.22	51.80 -0.58 0.22	56.99 -0.58 0.00	56.55 -0.63 0.00	52.76 -0.43 0.00	44.96 -0.60 0.30	38.77 -0.52 0.59	34.67 -0.39 0.05
BETHLEHEM___STEEL 23779	34.61 0.61 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.98 0.43 0.00	32.87 -0.23 0.00	34.22 -0.81 0.00	32.46 -0.60 0.00	31.22 -0.16 0.00	32.01 0.19 0.00	34.00 0.37 0.00	36.39 0.32 0.00	39.44 0.62 0.00	43.21 0.85 0.00	45.39 1.06 0.00	49.81 1.07 0.00	53.60 1.00 0.00	57.91 0.35 0.00	57.97 0.80 0.00	53.40 0.21 0.00	46.86 1.01 0.00	40.88 1.00 0.00	36.58 1.47 0.00
BETHLHEM_115KV_TB1 79974	34.31 0.31 0.00	29.99 0.30 0.00	28.98 0.34 0.00	27.88 0.30 0.00	28.04 0.33 0.00	28.84 0.29 0.00	33.44 0.33 0.00	35.45 0.42 0.00	33.45 0.40 0.00	31.56 0.31 0.13	31.99 0.29 0.12	33.68 0.24 0.18	36.05 0.29 0.31	38.61 0.23 0.44	42.10 0.21 0.48	43.93 0.13 0.53	48.34 0.24 0.64	52.80 0.32 0.11	57.97 0.40 0.00	57.57 0.40 0.00	53.62 0.43 0.00	45.92 0.23 0.15	39.86 0.28 0.31	35.26 0.18 0.03
BETHPAGE_CC_5 323564	36.08 2.07 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.60 1.02 0.00	28.78 1.08 0.00	29.92 1.37 0.00	35.06 1.95 0.00	37.45 2.42 0.00	35.24 2.18 0.00	33.57 1.85 -0.34	34.17 2.04 -0.31	36.37 2.25 -0.48	38.96 2.09 -0.81	41.77 1.79 -1.16	44.59 0.98 -1.25	46.74 1.02 -1.39	51.34 0.92 -1.67	54.54 1.63 -0.30	60.10 2.53 0.00	58.49 1.32 0.00	54.68 1.49 0.00	47.03 0.78 -0.40	41.64 0.96 -0.81	36.58 1.41 -0.07
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	34.65 0.65 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.98 0.43 0.00	32.87 -0.23 0.00	34.26 -0.77 0.00	32.50 -0.56 0.00	31.28 -0.09 0.00	32.04 0.22 0.00	34.07 0.44 0.00	36.46 0.40 0.00	39.52 0.70 0.00	43.34 0.97 0.00	45.48 1.15 0.00	49.96 1.22 0.00	53.76 1.16 0.00	58.14 0.58 0.00	58.15 0.97 0.00	53.56 0.37 0.00	46.95 1.10 0.00	40.96 1.08 0.00	36.62 1.51 0.00
BINGHAMTON___COGEN 23790	34.34 0.34 0.00	30.02 0.33 0.00	28.89 0.26 0.00	27.80 0.22 0.00	27.93 0.22 0.00	28.78 0.23 0.00	33.24 0.13 0.00	35.07 0.04 0.00	33.16 0.10 0.00	31.59 0.16 -0.05	32.12 0.25 -0.05	34.04 0.34 -0.08	36.55 0.36 -0.13	39.47 0.47 -0.18	43.07 0.51 -0.20	45.12 0.58 -0.22	49.58 0.58 -0.26	53.33 0.68 -0.05	58.20 0.63 0.00	57.97 0.80 0.00	53.72 0.53 0.00	46.55 0.64 -0.06	40.53 0.52 -0.13	35.65 0.53 -0.01



BIXINCNT_115KV_LOAD 355685	34.41 0.41 0.00	30.19 0.50 0.00	28.89 0.26 0.00	27.75 0.17 0.00	27.82 0.11 0.00	28.73 0.17 0.00	32.58 -0.53 0.00	33.98 -1.05 0.00	32.30 -0.76 0.00	31.22 -0.16 0.00	31.98 0.16 0.00	34.00 0.37 0.00	36.42 0.36 0.00	39.52 0.70 0.00	43.34 0.97 0.00	45.56 1.24 0.00	50.10 1.36 0.00	54.02 1.42 0.00	58.49 0.92 0.00	58.55 1.37 0.00	53.88 0.69 0.00	47.13 1.28 0.00	41.08 1.20 0.00	36.62 1.51 0.00
BLACK RIVER___HYD 24047	35.73 1.73 0.00	30.97 1.28 0.00	29.78 1.15 0.00	28.68 1.10 0.00	28.90 1.19 0.00	29.84 1.29 0.00	34.63 1.52 0.00	36.64 1.61 0.00	34.25 1.19 0.00	32.47 1.10 0.00	32.87 1.05 0.00	34.74 1.11 0.00	37.11 1.05 0.00	40.14 1.32 0.00	43.63 1.27 0.00	45.83 1.51 0.00	50.30 1.56 0.00	54.28 1.68 0.00	60.04 2.47 0.00	60.15 2.97 0.00	56.22 3.03 0.00	48.65 2.80 0.00	41.84 1.95 0.00	36.69 1.58 0.00
BLACKRVR_115KV_TB2 79977	35.73 1.73 0.00	30.97 1.28 0.00	29.78 1.15 0.00	28.68 1.10 0.00	28.90 1.19 0.00	29.84 1.28 0.00	34.63 1.52 0.00	36.64 1.61 0.00	34.25 1.19 0.00	32.47 1.10 0.00	32.87 1.05 0.00	34.74 1.11 0.00	37.11 1.05 0.00	40.10 1.28 0.00	43.63 1.27 0.00	45.83 1.51 0.00	50.30 1.56 0.00	54.23 1.63 0.00	60.04 2.48 0.00	60.15 2.97 0.00	56.22 3.03 0.00	48.64 2.80 0.00	41.76 1.87 0.00	36.69 1.58 0.00
BLDWN_LI_69_KV_BK4 356085	36.04 2.04 0.00	31.17 1.48 0.00	29.92 1.29 0.00	28.63 1.05 0.00	28.81 1.11 0.00	29.95 1.40 0.00	35.02 1.92 0.00	37.38 2.35 0.00	35.14 2.08 0.00	33.51 1.79 -0.34	34.10 1.97 -0.31	36.30 2.19 -0.48	39.18 2.31 -0.81	42.00 2.02 -1.16	44.93 1.31 -1.25	47.14 1.42 -1.39	51.78 1.36 -1.67	55.06 2.16 -0.30	60.56 2.99 0.00	59.29 2.12 0.00	55.21 2.02 0.00	47.63 1.38 -0.40	42.64 1.95 -0.81	37.04 1.86 -0.07
BLISS_WT_PWR 323608	34.34 0.34 0.00	30.07 0.38 0.00	28.83 0.20 0.00	27.69 0.11 0.00	27.70 0.00 0.00	28.70 0.14 0.00	32.44 -0.66 0.00	33.84 -1.19 0.00	32.20 -0.86 0.00	31.16 -0.22 0.00	31.92 0.10 0.00	33.93 0.30 0.00	36.39 0.32 0.00	39.52 0.70 0.00	43.29 0.93 0.00	45.61 1.29 0.00	50.10 1.36 0.00	54.02 1.42 0.00	58.48 0.92 0.00	58.54 1.37 0.00	53.93 0.74 0.00	47.18 1.33 0.00	41.80 1.91 0.00	36.62 1.51 0.00
BLUESTONE___WT_PWR 323821	35.67 1.67 0.00	31.14 1.45 0.00	29.95 1.32 0.00	28.79 1.21 0.00	28.98 1.28 0.00	29.92 1.37 0.00	34.63 1.52 0.00	36.68 1.65 0.00	34.48 1.42 0.00	32.69 1.26 -0.05	33.14 1.27 -0.05	35.18 1.48 -0.08	37.67 1.79 -0.13	40.79 1.86 -0.18	44.42 1.86 -0.20	46.71 2.17 -0.22	51.29 2.29 -0.26	55.22 2.58 -0.05	60.67 3.11 0.00	60.60 3.43 0.00	56.27 3.08 0.00	48.62 2.70 -0.06	42.16 2.15 -0.13	36.88 1.75 -0.01
BLUE_CIRC_CHEM_DRP 24182	34.37 0.37 0.00	30.05 0.36 0.00	29.06 0.43 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.93 0.37 0.00	33.50 0.40 0.00	35.42 0.39 0.00	33.32 0.26 0.00	31.39 0.16 0.14	31.78 0.10 0.13	33.46 0.03 0.20	35.76 0.04 0.34	38.29 -0.04 0.49	41.75 -0.08 0.53	43.65 -0.09 0.59	48.08 0.05 0.71	52.68 0.21 0.13	57.91 0.35 0.00	57.52 0.34 0.00	53.67 0.48 0.00	45.95 0.28 0.17	39.90 0.36 0.34	35.33 0.25 0.03
BOC_GAS_DRP 24189	34.20 0.20 0.00	29.90 0.21 0.00	28.89 0.26 0.00	27.80 0.22 0.00	27.95 0.25 0.00	28.75 0.20 0.00	33.34 0.23 0.00	35.31 0.28 0.00	33.32 0.26 0.00	31.43 0.19 0.13	31.86 0.16 0.12	33.58 0.13 0.18	35.94 0.18 0.31	38.50 0.12 0.44	41.93 0.04 0.48	43.79 0.00 0.53	48.15 0.05 0.64	52.59 0.11 0.11	57.74 0.17 0.00	57.29 0.11 0.00	53.40 0.21 0.00	45.74 0.05 0.15	39.70 0.12 0.31	35.12 0.04 0.03
BOONVILLE_115KV_TB1 79983	34.99 0.99 0.00	30.37 0.68 0.00	29.23 0.60 0.00	28.16 0.58 0.00	28.31 0.61 0.00	29.21 0.66 0.00	33.93 0.83 0.00	35.94 0.91 0.00	33.78 0.73 0.00	32.10 0.72 0.00	32.52 0.70 0.00	34.40 0.77 0.00	36.82 0.76 0.00	39.79 0.97 0.00	43.34 0.97 0.00	45.43 1.11 0.00	49.91 1.17 0.00	53.81 1.21 0.00	59.24 1.67 0.00	58.89 1.72 0.00	54.84 1.65 0.00	47.32 1.47 0.00	40.84 0.96 0.00	35.92 0.81 0.00
BORALEX_4TH_BRANCH 23824	35.09 1.09 0.00	30.61 0.92 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.62 0.91 0.00	29.41 0.86 0.00	34.20 1.09 0.00	36.22 1.19 0.00	34.12 1.06 0.00	31.49 0.75 0.64	31.90 0.67 0.59	33.36 0.64 0.91	35.19 0.65 1.52	37.21 0.58 2.19	40.59 0.59 2.36	42.27 0.58 2.63	46.46 0.88 3.16	53.19 1.16 0.57	59.12 1.55 0.00	58.66 1.49 0.00	54.73 1.54 0.00	46.00 0.92 0.76	39.24 0.88 1.52	35.68 0.70 0.13
BOWLINE___1 23526	34.88 0.88 0.00	30.43 0.74 0.00	29.29 0.66 0.00	28.19 0.61 0.00	28.34 0.64 0.00	29.18 0.63 0.00	34.03 0.93 0.00	36.22 1.19 0.00	34.28 1.22 0.00	32.86 1.16 -0.32	33.29 1.18 -0.29	35.29 1.21 -0.46	38.19 1.37 -0.76	41.23 1.32 -1.09	44.86 1.31 -1.18	46.92 1.29 -1.31	51.63 1.32 -1.58	54.31 1.42 -0.29	59.12 1.55 0.00	58.43 1.26 0.00	54.41 1.22 0.00	47.24 1.01 -0.38	41.48 0.84 -0.76	35.98 0.81 -0.06
BOWLINE___2 23595	34.88 0.88 0.00	30.43 0.74 0.00	29.29 0.66 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.15 0.60 0.00	34.03 0.93 0.00	36.22 1.19 0.00	34.25 1.19 0.00	32.83 1.13 -0.32	33.29 1.18 -0.29	35.29 1.21 -0.46	38.19 1.37 -0.76	41.23 1.32 -1.09	44.86 1.31 -1.18	46.88 1.24 -1.31	51.63 1.32 -1.58	54.31 1.42 -0.29	59.12 1.55 0.00	58.43 1.26 0.00	54.36 1.17 0.00	47.24 1.01 -0.38	41.48 0.84 -0.76	35.95 0.77 -0.06
BRADY___115KV_TB2 356060	35.19 1.19 0.00	30.67 0.98 0.00	29.58 0.94 0.00	28.55 0.97 0.00	28.73 1.03 0.00	29.67 1.11 0.00	34.43 1.32 0.00	36.33 1.30 0.00	34.05 0.99 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.54 0.91 0.00	36.97 0.90 0.00	39.87 1.05 0.00	43.55 1.19 0.00	45.61 1.29 0.00	50.05 1.32 0.00	53.86 1.26 0.00	59.06 1.50 0.00	58.83 1.66 0.00	55.00 1.81 0.00	47.59 1.74 0.00	41.32 1.44 0.00	36.48 1.37 0.00
BRANSCOMB___SOLAR 323811	34.92 0.92 0.00	30.49 0.80 0.00	29.46 0.83 0.00	28.32 0.74 0.00	28.51 0.80 0.00	29.35 0.80 0.00	34.13 1.03 0.00	36.12 1.09 0.00	33.92 0.86 0.00	31.62 0.57 0.32	31.88 0.35 0.29	33.44 0.27 0.46	35.63 0.32 0.76	37.96 0.23 1.09	41.39 0.21 1.18	43.32 0.31 1.31	47.79 0.63 1.58	53.26 0.95 0.29	59.01 1.44 0.00	58.83 1.66 0.00	55.05 1.86 0.00	46.71 1.24 0.38	40.12 1.00 0.76	35.92 0.88 0.06
BRDGHMPT_69_KV_BK1 55812	37.09 3.09 0.00	31.68 1.99 0.00	30.44 1.80 0.00	28.85 1.27 0.00	29.01 1.30 0.00	30.47 1.91 0.00	35.62 2.52 0.00	38.32 3.29 0.00	35.97 2.91 0.00	33.88 2.16 -0.34	34.36 2.23 -0.31	36.63 2.52 -0.48	39.47 2.60 -0.81	42.35 2.37 -1.16	45.10 1.48 -1.25	47.40 1.68 -1.39	51.87 1.46 -1.67	55.53 2.63 -0.30	62.29 4.72 0.00	60.20 3.03 0.00	55.96 2.77 0.00	47.54 1.28 -0.40	42.68 1.99 -0.81	37.21 2.04 -0.07



BRENTWOD_69_KV_W. BRTWOOD 56703	36.48 2.48 0.00	31.41 1.72 0.00	30.15 1.52 0.00	28.77 1.19 0.00	28.95 1.25 0.00	30.21 1.66 0.00	35.36 2.25 0.00	37.69 2.66 0.00	35.47 2.41 0.00	33.66 1.95 -0.34	34.20 2.07 -0.31	36.43 2.32 -0.48	39.25 2.38 -0.81	42.04 2.06 -1.16	44.72 1.10 -1.25	46.91 1.20 -1.39	51.48 1.07 -1.67	55.22 2.31 -0.30	61.14 3.57 0.00	59.58 2.40 0.00	55.48 2.29 0.00	47.54 1.28 -0.40	42.72 2.03 -0.81	37.14 1.97 -0.07
BRISTLHL_115KV_TB1 79998	33.49 -0.51 0.00	29.24 -0.45 0.00	28.17 -0.46 0.00	27.14 -0.44 0.00	27.26 -0.44 0.00	28.07 -0.49 0.00	32.54 -0.56 0.00	34.36 -0.67 0.00	32.46 -0.60 0.00	30.87 -0.50 0.00	31.34 -0.48 0.00	33.16 -0.47 0.00	35.56 -0.50 0.00	38.35 -0.47 0.00	41.85 -0.51 0.00	43.84 -0.49 0.00	48.15 -0.58 0.00	51.97 -0.63 0.00	56.88 -0.69 0.00	56.60 -0.57 0.00	52.55 -0.64 0.00	45.39 -0.46 0.00	39.40 -0.48 0.00	34.69 -0.42 0.00
BROOKHAVEN___DRP 24191	36.38 2.38 0.00	31.11 1.43 0.00	29.89 1.26 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.95 1.40 0.00	35.09 1.99 0.00	37.76 2.73 0.00	35.44 2.38 0.00	33.44 1.73 -0.34	33.88 1.75 -0.31	36.06 1.95 -0.48	38.82 1.95 -0.81	41.61 1.63 -1.16	44.25 0.64 -1.25	46.47 0.75 -1.39	50.95 0.54 -1.67	54.48 1.58 -0.30	61.02 3.45 0.00	59.18 2.00 0.00	55.11 1.91 0.00	46.94 0.69 -0.40	42.16 1.48 -0.81	36.62 1.44 -0.07
BROOKLYN_NAVY_YARD 23515	35.16 1.16 0.00	30.67 0.98 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.35 0.80 0.00	34.39 1.29 0.00	36.71 1.68 0.00	34.74 1.68 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.22 1.80 -1.67	54.69 1.79 -0.30	59.41 1.84 0.00	58.66 1.48 0.00	54.52 1.33 0.00	47.58 1.33 -0.40	41.92 1.24 -0.80	36.27 1.09 -0.07
BROOKLYN___ARMY_DRP 323595	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
BROOME_2_LFGE 323671	34.34 0.34 0.00	30.02 0.33 0.00	28.89 0.26 0.00	27.80 0.22 0.00	27.93 0.22 0.00	28.81 0.26 0.00	33.24 0.13 0.00	35.07 0.04 0.00	33.16 0.10 0.00	31.59 0.16 -0.05	32.12 0.25 -0.05	34.04 0.34 -0.08	36.55 0.36 -0.13	39.47 0.47 -0.18	43.07 0.51 -0.20	45.12 0.57 -0.22	49.59 0.59 -0.26	53.33 0.68 -0.05	58.20 0.63 0.00	57.97 0.80 0.00	53.72 0.53 0.00	46.55 0.64 -0.06	40.69 0.68 -0.13	35.65 0.53 -0.01
BROOME___LFGE 323600	34.34 0.34 0.00	30.02 0.33 0.00	28.89 0.26 0.00	27.80 0.22 0.00	27.93 0.22 0.00	28.81 0.26 0.00	33.24 0.13 0.00	35.07 0.04 0.00	33.16 0.10 0.00	31.59 0.16 -0.05	32.12 0.25 -0.05	34.04 0.34 -0.08	36.55 0.36 -0.13	39.47 0.47 -0.18	43.07 0.51 -0.20	45.12 0.57 -0.22	49.59 0.59 -0.26	53.33 0.68 -0.05	58.20 0.63 0.00	57.97 0.80 0.00	53.72 0.53 0.00	46.55 0.64 -0.06	40.69 0.68 -0.13	35.65 0.53 -0.01
BROWNFLS_115KV_TB 3_5 80003	35.16 1.16 0.00	30.49 0.80 0.00	29.38 0.74 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.50 0.94 0.00	34.23 1.13 0.00	36.22 1.19 0.00	33.98 0.93 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.57 0.94 0.00	37.00 0.94 0.00	39.95 1.13 0.00	43.55 1.19 0.00	45.65 1.33 0.00	50.00 1.27 0.00	53.70 1.10 0.00	59.01 1.44 0.00	58.66 1.49 0.00	54.79 1.60 0.00	47.45 1.60 0.00	41.08 1.20 0.00	36.27 1.16 0.00
BROWNSV1_27_KV_LOAD 356125	35.50 1.50 0.00	30.94 1.25 0.00	29.75 1.12 0.00	28.63 1.05 0.00	28.81 1.11 0.00	29.64 1.09 0.00	34.66 1.56 0.00	36.99 1.96 0.00	35.01 1.95 0.00	33.63 1.91 -0.34	34.04 1.91 -0.31	36.06 1.95 -0.48	39.11 2.24 -0.81	42.23 2.25 -1.16	45.95 2.33 -1.25	47.98 2.26 -1.39	52.80 2.39 -1.67	55.32 2.42 -0.30	60.10 2.53 0.00	59.40 2.23 0.00	55.21 2.02 0.00	48.09 1.83 -0.40	42.52 1.83 -0.80	36.65 1.47 -0.07
BURROWS___LYONSDAL 23803	35.09 1.09 0.00	30.37 0.68 0.00	29.26 0.63 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.24 0.69 0.00	33.97 0.86 0.00	35.98 0.95 0.00	33.82 0.76 0.00	32.16 0.78 0.00	32.58 0.76 0.00	34.44 0.81 0.00	36.86 0.79 0.00	39.79 0.97 0.00	43.38 1.02 0.00	45.48 1.15 0.00	49.91 1.17 0.00	53.81 1.21 0.00	59.29 1.73 0.00	58.89 1.72 0.00	54.89 1.70 0.00	47.36 1.51 0.00	40.84 0.96 0.00	35.92 0.81 0.00
CAITHNESS_CC_1 323624	36.29 2.28 -0.01	31.11 1.43 0.00	29.89 1.26 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.92 1.37 0.00	35.06 1.95 0.00	37.66 2.63 0.00	35.37 2.31 0.00	33.44 1.72 -0.34	33.91 1.78 -0.31	36.06 1.95 -0.48	38.71 1.84 -0.81	41.53 1.55 -1.16	44.25 0.64 -1.25	46.47 0.75 -1.39	50.90 0.49 -1.67	54.43 1.53 -0.30	60.79 3.22 0.00	58.49 1.32 0.00	54.89 1.70 0.00	46.80 0.55 -0.40	41.32 0.64 -0.81	36.44 1.26 -0.07
CALPINE BETH_PAGE_GT4 24209	36.04 2.04 0.00	31.14 1.45 0.00	29.92 1.29 0.00	28.60 1.02 0.00	28.79 1.08 0.00	29.95 1.40 0.00	35.02 1.92 0.00	37.41 2.38 0.00	35.21 2.15 0.00	33.57 1.85 -0.34	34.17 2.04 -0.31	36.37 2.25 -0.48	39.14 2.27 -0.81	41.84 1.86 -1.16	44.67 1.06 -1.25	46.83 1.11 -1.39	51.44 1.02 -1.67	54.64 1.74 -0.30	60.16 2.59 0.00	58.83 1.66 0.00	54.79 1.60 0.00	47.22 0.96 -0.40	42.40 1.71 -0.81	37.00 1.83 -0.07
CALPINE_BETH_PAGE_GT_4 323586	36.05 2.04 -0.01	31.14 1.45 0.00	29.92 1.29 0.00	28.60 1.02 0.00	28.78 1.08 0.00	29.92 1.37 0.00	35.02 1.92 0.00	37.41 2.38 0.00	35.20 2.15 0.00	33.57 1.85 -0.34	34.17 2.04 -0.31	36.37 2.25 -0.48	38.96 2.09 -0.81	41.77 1.79 -1.16	44.68 1.06 -1.25	46.83 1.11 -1.39	51.44 1.03 -1.67	54.64 1.73 -0.30	60.16 2.59 0.00	58.54 1.37 0.00	54.73 1.54 0.00	47.12 0.87 -0.40	41.64 0.96 -0.81	36.58 1.41 -0.07
CALPINE_BP_GT1 23823	36.05 2.04 -0.01	31.14 1.45 0.00	29.92 1.29 0.00	28.60 1.02 0.00	28.78 1.08 0.00	29.92 1.37 0.00	35.02 1.92 0.00	37.41 2.38 0.00	35.20 2.15 0.00	33.57 1.85 -0.34	34.17 2.04 -0.31	36.37 2.25 -0.48	38.96 2.09 -0.81	41.77 1.79 -1.16	44.68 1.06 -1.25	46.83 1.11 -1.39	51.44 1.03 -1.67	54.64 1.73 -0.30	60.16 2.59 0.00	58.54 1.37 0.00	54.73 1.54 0.00	47.12 0.87 -0.40	41.64 0.96 -0.81	36.58 1.41 -0.07
CALSPAN___DRP 24200	34.61 0.61 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.98 0.43 0.00	32.87 -0.23 0.00	34.22 -0.81 0.00	32.46 -0.60 0.00	31.22 -0.16 0.00	32.01 0.19 0.00	34.00 0.37 0.00	36.39 0.32 0.00	39.44 0.62 0.00	43.21 0.85 0.00	45.39 1.06 0.00	49.81 1.07 0.00	53.60 1.00 0.00	57.91 0.35 0.00	57.97 0.80 0.00	53.40 0.21 0.00	46.86 1.01 0.00	40.88 1.00 0.00	36.58 1.47 0.00



CALVERTON___SOLAR 323806	36.49 2.48 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.44 0.86 0.00	28.62 0.91 0.00	29.98 1.43 0.00	35.16 2.05 0.00	37.87 2.84 0.00	35.50 2.45 0.00	33.47 1.76 -0.34	33.91 1.78 -0.31	36.06 1.95 -0.48	38.71 1.84 -0.81	41.57 1.59 -1.16	44.29 0.68 -1.25	46.56 0.84 -1.39	51.00 0.59 -1.67	54.54 1.63 -0.30	61.25 3.69 0.00	58.72 1.54 0.00	55.21 2.02 0.00	46.89 0.64 -0.40	41.36 0.68 -0.81	36.48 1.30 -0.07
CANDIGU_WT_PWR 323617	34.51 0.51 0.00	30.22 0.53 0.00	29.00 0.37 0.00	27.86 0.28 0.00	27.93 0.22 0.00	28.84 0.29 0.00	32.97 -0.13 0.00	34.40 -0.63 0.00	32.46 -0.59 0.00	30.97 -0.41 0.00	31.63 -0.19 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.98 0.16 0.00	42.58 0.21 0.00	44.68 0.35 0.00	48.88 0.15 0.00	52.97 0.37 0.00	57.68 0.12 0.00	57.86 0.69 0.00	53.46 0.27 0.00	46.49 0.64 0.00	41.00 1.12 0.00	35.99 0.88 0.00
CARR STREET_E_SYR 24060	33.66 -0.34 0.00	29.42 -0.27 0.00	28.35 -0.29 0.00	27.28 -0.30 0.00	27.40 -0.30 0.00	28.24 -0.31 0.00	32.71 -0.40 0.00	34.57 -0.46 0.00	32.66 -0.40 0.00	31.06 -0.31 0.00	31.56 -0.26 0.00	33.40 -0.23 0.00	35.81 -0.25 0.00	38.67 -0.15 0.00	42.19 -0.17 0.00	44.19 -0.13 0.00	48.50 -0.24 0.00	52.39 -0.21 0.00	57.22 -0.34 0.00	56.95 -0.23 0.00	52.87 -0.32 0.00	45.67 -0.18 0.00	39.76 -0.12 0.00	34.90 -0.21 0.00
CARTHAGE___PAPER 23857	35.56 1.56 0.00	30.79 1.10 0.00	29.61 0.97 0.00	28.52 0.94 0.00	28.73 1.03 0.00	29.67 1.11 0.00	34.46 1.36 0.00	36.47 1.44 0.00	34.11 1.06 0.00	32.38 1.00 0.00	32.77 0.95 0.00	34.61 0.98 0.00	37.04 0.97 0.00	39.98 1.16 0.00	43.51 1.14 0.00	45.65 1.33 0.00	50.10 1.36 0.00	54.07 1.47 0.00	59.75 2.19 0.00	59.63 2.46 0.00	55.74 2.55 0.00	48.19 2.34 0.00	41.52 1.64 0.00	36.44 1.33 0.00
CASSADAGA_WT_PWR 323784	34.58 0.58 0.00	30.28 0.59 0.00	29.03 0.40 0.00	27.83 0.25 0.00	27.95 0.25 0.00	29.01 0.46 0.00	33.04 -0.07 0.00	34.54 -0.49 0.00	32.86 -0.20 0.00	31.78 0.41 0.00	32.65 0.83 0.00	34.77 1.14 0.00	37.36 1.30 0.00	40.61 1.79 0.00	44.44 2.08 0.00	46.76 2.44 0.00	51.22 2.48 0.00	54.81 2.21 0.00	59.29 1.73 0.00	59.40 2.23 0.00	54.63 1.44 0.00	47.77 1.93 0.00	42.23 2.35 0.00	36.93 1.82 0.00
CE_DUNWOOD___DRP 24194	35.05 1.05 0.00	30.58 0.89 0.00	29.43 0.80 0.00	28.30 0.72 0.00	28.48 0.78 0.00	29.33 0.77 0.00	34.23 1.13 0.00	36.43 1.40 0.00	34.48 1.42 0.00	33.07 1.35 -0.34	33.50 1.37 -0.31	35.52 1.41 -0.48	38.49 1.62 -0.80	41.57 1.59 -1.16	45.18 1.57 -1.25	47.22 1.51 -1.39	51.97 1.56 -1.67	54.59 1.68 -0.30	59.41 1.84 0.00	58.72 1.54 0.00	54.63 1.44 0.00	47.44 1.19 -0.40	41.92 1.24 -0.80	36.16 0.98 -0.07
CE_MILLWOOD___DRP 24193	34.99 0.99 0.00	30.52 0.83 0.00	29.38 0.74 0.00	28.27 0.69 0.00	28.45 0.75 0.00	29.27 0.71 0.00	34.13 1.03 0.00	36.36 1.33 0.00	34.38 1.32 0.00	32.97 1.26 -0.34	33.40 1.27 -0.31	35.42 1.31 -0.48	38.38 1.51 -0.80	41.45 1.48 -1.15	45.05 1.44 -1.24	47.08 1.37 -1.38	51.86 1.46 -1.66	54.48 1.58 -0.30	59.29 1.73 0.00	58.60 1.43 0.00	54.57 1.38 0.00	47.35 1.10 -0.40	41.84 1.16 -0.80	36.06 0.88 -0.07
CE_NYC2_DRP 24202	35.36 1.36 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.76 1.05 0.00	29.47 0.91 0.00	34.43 1.32 0.00	36.64 1.61 0.00	34.71 1.65 0.00	33.41 1.69 -0.34	33.75 1.62 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.61 1.99 -1.25	47.49 1.77 -1.39	52.17 1.75 -1.67	54.38 1.47 -0.30	59.12 1.55 0.00	58.43 1.26 0.00	54.36 1.17 0.00	47.49 1.24 -0.40	42.24 1.56 -0.81	36.51 1.33 -0.07
CE_NYC_DRP 24195	35.22 1.22 0.00	30.73 1.04 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.62 0.91 0.00	29.47 0.91 0.00	34.46 1.36 0.00	36.75 1.72 0.00	34.81 1.75 0.00	33.41 1.69 -0.34	33.82 1.69 -0.31	35.86 1.75 -0.48	38.85 1.98 -0.81	41.96 1.98 -1.16	45.61 1.99 -1.25	47.62 1.91 -1.39	52.41 2.00 -1.67	54.90 2.00 -0.30	59.64 2.07 0.00	58.95 1.77 0.00	54.79 1.60 0.00	47.72 1.47 -0.40	42.20 1.52 -0.80	36.37 1.19 -0.07
CHAFFEE___LFGE 323603	34.68 0.68 0.00	30.40 0.71 0.00	29.21 0.57 0.00	28.02 0.44 0.00	28.15 0.44 0.00	29.10 0.54 0.00	32.94 -0.16 0.00	34.29 -0.74 0.00	32.53 -0.53 0.00	31.31 -0.06 0.00	32.07 0.25 0.00	34.10 0.47 0.00	36.50 0.43 0.00	39.64 0.82 0.00	43.38 1.02 0.00	45.65 1.33 0.00	50.05 1.32 0.00	53.81 1.21 0.00	58.14 0.58 0.00	58.26 1.08 0.00	53.67 0.48 0.00	47.04 1.19 0.00	41.80 1.91 0.00	36.69 1.58 0.00
CHATEAUG_35_KV_LOAD 355732	34.54 0.54 0.00	30.13 0.45 0.00	29.09 0.46 0.00	28.10 0.52 0.00	28.23 0.53 0.00	29.18 0.63 0.00	33.87 0.76 0.00	35.80 0.77 0.00	33.72 0.66 0.00	32.00 0.63 0.00	32.42 0.60 0.00	34.27 0.64 0.00	36.71 0.65 0.00	39.52 0.70 0.00	43.17 0.80 0.00	45.17 0.84 0.00	49.66 0.93 0.00	53.44 0.84 0.00	58.55 0.98 0.00	58.15 0.97 0.00	54.20 1.01 0.00	46.81 0.96 0.00	40.68 0.80 0.00	35.88 0.77 0.00
CHATEAUG_WT_PWR 323614	34.58 0.58 0.00	30.16 0.47 0.00	29.12 0.49 0.00	28.13 0.55 0.00	28.26 0.55 0.00	29.18 0.63 0.00	33.90 0.79 0.00	35.84 0.81 0.00	33.78 0.73 0.00	32.10 0.72 0.00	32.55 0.73 0.00	34.37 0.74 0.00	36.86 0.79 0.00	39.67 0.85 0.00	43.34 0.98 0.00	45.34 1.02 0.00	49.81 1.07 0.00	53.60 1.00 0.00	58.60 1.04 0.00	58.15 0.97 0.00	54.20 1.01 0.00	46.81 0.96 0.00	40.68 0.80 0.00	35.88 0.77 0.00
CHAT_HIGH_FALL_HYD 323578	34.54 0.54 0.00	30.13 0.45 0.00	29.09 0.46 0.00	28.10 0.52 0.00	28.23 0.53 0.00	29.18 0.63 0.00	33.87 0.76 0.00	35.80 0.77 0.00	33.72 0.66 0.00	32.00 0.63 0.00	32.42 0.60 0.00	34.27 0.64 0.00	36.71 0.65 0.00	39.52 0.70 0.00	43.17 0.80 0.00	45.17 0.84 0.00	49.66 0.93 0.00	53.44 0.84 0.00	58.55 0.98 0.00	58.15 0.97 0.00	54.20 1.01 0.00	46.81 0.96 0.00	40.68 0.80 0.00	35.88 0.77 0.00
CHAUTAUQUA___LFGE 323629	34.64 0.64 0.00	30.37 0.68 0.00	29.12 0.49 0.00	27.97 0.39 0.00	28.09 0.39 0.00	29.07 0.51 0.00	32.94 -0.16 0.00	34.33 -0.70 0.00	32.63 -0.43 0.00	31.44 0.06 0.00	32.26 0.45 0.00	34.34 0.71 0.00	36.75 0.68 0.00	39.91 1.09 0.00	43.63 1.27 0.00	45.92 1.59 0.00	50.34 1.61 0.00	54.28 1.68 0.00	58.66 1.09 0.00	58.77 1.60 0.00	54.15 0.96 0.00	47.41 1.56 0.00	42.03 2.15 0.00	36.86 1.75 0.00
CHERRYST_13_KV_LD 356241	35.33 1.33 0.00	30.82 1.13 0.00	29.66 1.03 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.55 1.00 0.00	34.59 1.49 0.00	36.92 1.89 0.00	34.94 1.88 0.00	33.57 1.85 -0.34	33.98 1.85 -0.31	36.00 1.88 -0.48	39.00 2.13 -0.81	42.11 2.14 -1.16	45.82 2.20 -1.25	47.84 2.13 -1.39	52.65 2.24 -1.67	55.16 2.26 -0.30	59.87 2.30 0.00	59.18 2.00 0.00	55.00 1.81 0.00	47.90 1.65 -0.40	42.32 1.64 -0.80	36.48 1.30 -0.07



CHESTROR_138KV_BK263 355645	34.75 0.75 0.00	30.31 0.62 0.00	29.21 0.57 0.00	28.10 0.52 0.00	28.26 0.55 0.00	29.10 0.54 0.00	33.90 0.79 0.00	36.01 0.98 0.00	34.05 0.99 0.00	32.58 0.91 -0.29	33.04 0.95 -0.27	34.99 0.94 -0.42	37.88 1.12 -0.69	40.87 1.05 -1.00	44.46 1.02 -1.08	46.50 0.98 -1.20	51.25 1.07 -1.44	54.07 1.21 -0.26	58.95 1.38 0.00	58.32 1.14 0.00	54.31 1.12 0.00	47.07 0.87 -0.35	41.45 0.88 -0.69	35.87 0.70 -0.06
CH_MIDHUDSON___DRP 24192	34.88 0.88 0.00	30.46 0.77 0.00	29.38 0.74 0.00	28.24 0.66 0.00	28.43 0.72 0.00	29.21 0.66 0.00	34.03 0.93 0.00	36.15 1.12 0.00	34.15 1.09 0.00	32.63 1.00 -0.25	33.07 1.02 -0.23	34.99 1.01 -0.36	37.81 1.15 -0.59	40.80 1.13 -0.85	44.39 1.10 -0.92	46.41 1.06 -1.03	51.09 1.12 -1.23	54.14 1.32 -0.22	59.06 1.50 0.00	58.43 1.26 0.00	54.52 1.33 0.00	47.15 1.01 -0.30	41.51 1.04 -0.59	35.97 0.81 -0.05
CH_MISC_IPPS 23765	35.06 1.06 0.00	30.61 0.92 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.33 1.30 0.00	34.25 1.19 0.00	32.78 1.13 -0.27	33.21 1.14 -0.25	35.02 1.01 -0.39	37.83 1.12 -0.64	40.83 1.09 -0.93	44.43 1.06 -1.00	46.50 1.06 -1.12	51.20 1.12 -1.34	54.16 1.32 -0.24	59.06 1.49 0.00	58.43 1.26 0.00	54.78 1.59 0.00	47.50 1.33 -0.32	41.68 1.16 -0.64	36.18 1.02 -0.05
CH_RES_BVR_FALLS 23983	34.00 0.00 0.00	29.63 -0.06 0.00	28.58 -0.06 0.00	27.52 -0.06 0.00	27.65 -0.06 0.00	28.50 -0.06 0.00	33.07 -0.03 0.00	35.00 -0.03 0.00	33.06 0.00 0.00	31.41 0.03 0.00	31.85 0.03 0.00	33.70 0.07 0.00	36.10 0.04 0.00	38.86 0.04 0.00	42.41 0.04 0.00	44.37 0.04 0.00	48.79 0.05 0.00	52.60 0.00 0.00	57.57 0.00 0.00	57.12 -0.06 0.00	53.14 -0.05 0.00	45.76 -0.09 0.00	39.76 -0.12 0.00	35.01 -0.11 0.00
CH_RES_NIAGARA 23895	33.69 -0.31 0.00	29.63 -0.06 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.18 -0.37 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.02 -0.80 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.04 -0.78 0.00	41.68 -0.68 0.00	43.75 -0.58 0.00	48.06 -0.68 0.00	51.60 -1.00 0.00	55.61 -1.96 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.21 -0.64 0.00	39.60 -0.28 0.00	35.99 0.88 0.00
CH_RES_SYRACUSE 23985	33.86 -0.14 0.00	29.57 -0.12 0.00	28.49 -0.14 0.00	27.42 -0.16 0.00	27.54 -0.17 0.00	28.41 -0.14 0.00	32.87 -0.23 0.00	34.75 -0.28 0.00	32.83 -0.23 0.00	31.22 -0.16 0.00	31.72 -0.10 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.86 0.04 0.00	42.41 0.04 0.00	44.41 0.09 0.00	48.79 0.05 0.00	52.71 0.11 0.00	57.57 0.00 0.00	57.29 0.11 0.00	53.24 0.05 0.00	45.99 0.14 0.00	40.00 0.12 0.00	35.11 0.00 0.00
CLINTON_WT_PWR 323605	34.58 0.58 0.00	30.16 0.47 0.00	29.12 0.49 0.00	28.13 0.55 0.00	28.26 0.55 0.00	29.18 0.63 0.00	33.90 0.79 0.00	35.84 0.81 0.00	33.78 0.73 0.00	32.10 0.72 0.00	32.55 0.73 0.00	34.37 0.74 0.00	36.86 0.79 0.00	39.67 0.85 0.00	43.34 0.98 0.00	45.34 1.02 0.00	49.81 1.07 0.00	53.60 1.00 0.00	58.60 1.04 0.00	58.15 0.97 0.00	54.20 1.01 0.00	46.81 0.96 0.00	40.68 0.80 0.00	35.88 0.77 0.00
CLINTON___LFGE 323618	35.36 1.36 0.00	30.82 1.13 0.00	29.75 1.12 0.00	28.77 1.19 0.00	28.90 1.19 0.00	29.87 1.31 0.00	34.69 1.59 0.00	36.68 1.65 0.00	34.55 1.49 0.00	32.82 1.44 0.00	33.25 1.43 0.00	35.11 1.48 0.00	37.65 1.59 0.00	40.61 1.79 0.00	44.40 2.03 0.00	46.45 2.13 0.00	51.08 2.34 0.00	54.91 2.31 0.00	60.16 2.59 0.00	59.69 2.51 0.00	55.64 2.45 0.00	48.14 2.29 0.00	41.76 1.87 0.00	36.80 1.69 0.00
COBBLENY_34_KV_TB1 80064	34.68 0.68 0.00	30.43 0.74 0.00	29.21 0.57 0.00	28.02 0.44 0.00	28.15 0.44 0.00	29.04 0.49 0.00	32.94 -0.17 0.00	34.29 -0.74 0.00	32.53 -0.53 0.00	31.31 -0.06 0.00	32.07 0.25 0.00	34.10 0.47 0.00	36.50 0.43 0.00	39.56 0.74 0.00	43.38 1.02 0.00	45.56 1.24 0.00	50.05 1.32 0.00	53.81 1.21 0.00	58.20 0.63 0.00	58.26 1.09 0.00	53.62 0.43 0.00	46.99 1.15 0.00	41.00 1.12 0.00	36.65 1.54 0.00
COFFEEN___115KV_TB3 355620	35.94 1.94 0.00	31.14 1.45 0.00	29.95 1.32 0.00	28.85 1.27 0.00	29.03 1.33 0.00	29.98 1.43 0.00	34.79 1.69 0.00	36.82 1.79 0.00	34.41 1.36 0.00	32.60 1.22 0.00	33.00 1.18 0.00	34.84 1.21 0.00	37.22 1.15 0.00	40.26 1.44 0.00	43.72 1.36 0.00	45.96 1.64 0.00	50.44 1.71 0.00	54.44 1.84 0.00	60.33 2.76 0.00	60.55 3.37 0.00	56.65 3.46 0.00	49.01 3.16 0.00	42.04 2.15 0.00	36.94 1.83 0.00
COLDSPRG_115KV_BK1 355956	34.85 0.85 0.00	30.52 0.83 0.00	29.26 0.63 0.00	28.08 0.50 0.00	28.23 0.53 0.00	29.24 0.69 0.00	33.47 0.36 0.00	34.96 -0.07 0.00	33.22 0.17 0.00	32.10 0.72 0.00	32.93 1.11 0.00	35.04 1.41 0.00	37.61 1.55 0.00	40.80 1.98 0.00	44.65 2.29 0.00	46.85 2.53 0.00	51.42 2.68 0.00	54.91 2.31 0.00	59.47 1.90 0.00	59.58 2.40 0.00	54.73 1.54 0.00	47.87 2.02 0.00	41.60 1.71 0.00	37.08 1.97 0.00
COLONIE_LFGE___ 323577	34.72 0.72 0.00	30.31 0.62 0.00	29.29 0.66 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.15 0.60 0.00	33.87 0.76 0.00	35.84 0.81 0.00	33.78 0.73 0.00	31.50 0.50 0.38	31.89 0.41 0.35	33.49 0.41 0.54	35.60 0.43 0.90	37.87 0.35 1.30	41.30 0.34 1.40	43.12 0.35 1.56	47.45 0.59 1.87	53.05 0.79 0.34	58.66 1.09 0.00	58.26 1.08 0.00	54.36 1.17 0.00	46.13 0.73 0.45	39.54 0.56 0.90	35.56 0.53 0.08
COOPERNY_115KV_TB1 80082	34.58 0.58 0.00	30.16 0.48 0.00	29.06 0.43 0.00	27.97 0.39 0.00	28.15 0.44 0.00	28.98 0.43 0.00	33.70 0.60 0.00	35.77 0.74 0.00	33.82 0.76 0.00	32.28 0.69 -0.21	32.74 0.73 -0.19	34.67 0.74 -0.30	37.43 0.87 -0.50	40.35 0.82 -0.71	43.94 0.80 -0.77	45.98 0.80 -0.86	50.60 0.83 -1.03	53.73 0.95 -0.19	58.60 1.04 0.00	58.09 0.91 0.00	54.04 0.85 0.00	46.79 0.69 -0.25	41.06 0.68 -0.50	35.68 0.53 -0.04
COPENHAGEN_WT_PWR 323753	35.53 1.53 0.00	30.82 1.13 0.00	29.63 1.00 0.00	28.54 0.96 0.00	28.73 1.03 0.00	29.67 1.11 0.00	34.43 1.33 0.00	36.39 1.36 0.00	34.08 1.03 0.00	32.32 0.94 0.00	32.71 0.89 0.00	34.57 0.94 0.00	36.97 0.90 0.00	39.95 1.13 0.00	43.42 1.06 0.00	45.61 1.29 0.00	50.05 1.32 0.00	54.02 1.42 0.00	59.70 2.13 0.00	59.75 2.58 0.00	55.85 2.66 0.00	48.32 2.47 0.00	41.60 1.71 0.00	36.52 1.41 0.00
CORNELL_____ 23752	34.65 0.65 0.00	30.25 0.56 0.00	29.12 0.49 0.00	28.02 0.44 0.00	28.15 0.44 0.00	29.04 0.49 0.00	33.63 0.53 0.00	35.49 0.46 0.00	33.42 0.36 0.00	31.72 0.35 0.00	32.20 0.38 0.00	34.07 0.44 0.00	36.53 0.47 0.00	39.40 0.58 0.00	43.00 0.64 0.00	45.08 0.75 0.00	49.57 0.83 0.00	53.65 1.05 0.00	58.83 1.27 0.00	58.72 1.54 0.00	54.52 1.33 0.00	47.13 1.28 0.00	40.84 0.96 0.00	35.95 0.84 0.00



CORONA_69_KV_TB1 355595	35.94 1.94 0.00	31.11 1.43 0.00	29.89 1.26 0.00	28.63 1.05 0.00	28.79 1.08 0.00	29.90 1.34 0.00	34.93 1.82 0.00	37.27 2.24 0.00	35.04 1.98 0.00	33.44 1.73 -0.34	34.07 1.94 -0.31	36.23 2.12 -0.48	39.18 2.31 -0.81	42.04 2.06 -1.16	45.01 1.40 -1.25	47.27 1.55 -1.39	51.92 1.51 -1.67	55.06 2.16 -0.30	60.56 2.99 0.00	59.35 2.17 0.00	55.26 2.07 0.00	47.72 1.47 -0.40	42.64 1.95 -0.81	36.97 1.79 -0.07
CORTLAND_115KV_TB3 80093	34.34 0.34 0.00	29.99 0.30 0.00	28.89 0.26 0.00	27.80 0.22 0.00	27.93 0.22 0.00	28.81 0.26 0.00	33.34 0.23 0.00	35.21 0.18 0.00	33.22 0.17 0.00	31.53 0.16 0.00	32.04 0.22 0.00	33.90 0.27 0.00	36.35 0.29 0.00	39.21 0.39 0.00	42.79 0.42 0.00	44.81 0.49 0.00	49.27 0.54 0.00	53.23 0.63 0.00	58.32 0.75 0.00	58.09 0.91 0.00	53.94 0.74 0.00	46.63 0.78 0.00	40.44 0.56 0.00	35.60 0.49 0.00
COXSACKIE___GT 23611	35.12 1.12 0.00	30.67 0.98 0.00	29.72 1.09 0.00	28.57 0.99 0.00	28.73 1.03 0.00	29.53 0.97 0.00	34.29 1.19 0.00	36.08 1.05 0.00	33.85 0.79 0.00	32.06 0.78 0.10	32.33 0.60 0.09	33.99 0.51 0.14	36.44 0.61 0.23	39.02 0.54 0.34	42.63 0.64 0.37	44.67 0.75 0.41	49.42 1.17 0.49	54.35 1.84 0.09	59.46 1.90 0.00	59.29 2.12 0.00	55.59 2.40 0.00	47.66 1.93 0.12	41.28 1.64 0.23	36.21 1.12 0.02
CPV_VALLEY___CC1 323721	34.54 0.54 0.00	30.16 0.47 0.00	29.03 0.40 0.00	27.94 0.36 0.00	28.12 0.42 0.00	28.92 0.37 0.00	33.70 0.60 0.00	35.80 0.77 0.00	33.85 0.79 0.00	32.39 0.75 -0.26	32.82 0.76 -0.24	34.78 0.77 -0.37	37.59 0.90 -0.62	40.54 0.82 -0.90	44.10 0.76 -0.97	46.11 0.71 -1.08	50.77 0.73 -1.30	53.67 0.84 -0.23	58.48 0.92 0.00	57.92 0.74 0.00	53.88 0.69 0.00	46.71 0.55 -0.31	40.99 0.48 -0.62	35.62 0.46 -0.05
CPV_VALLEY___CC2 323722	34.54 0.54 0.00	30.16 0.47 0.00	29.03 0.40 0.00	27.94 0.36 0.00	28.12 0.42 0.00	28.92 0.37 0.00	33.70 0.60 0.00	35.80 0.77 0.00	33.85 0.79 0.00	32.39 0.75 -0.26	32.82 0.76 -0.24	34.78 0.77 -0.37	37.59 0.90 -0.62	40.54 0.82 -0.90	44.10 0.76 -0.97	46.11 0.71 -1.08	50.77 0.73 -1.30	53.67 0.84 -0.23	58.48 0.92 0.00	57.92 0.74 0.00	53.88 0.69 0.00	46.71 0.55 -0.31	40.99 0.48 -0.62	35.62 0.46 -0.05
CRESCENT___HYD 24018	34.72 0.72 0.00	30.31 0.62 0.00	29.29 0.66 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.15 0.60 0.00	33.87 0.76 0.00	35.84 0.81 0.00	33.78 0.73 0.00	31.50 0.50 0.38	31.89 0.41 0.35	33.49 0.41 0.54	35.60 0.43 0.90	37.87 0.35 1.30	41.30 0.34 1.40	43.12 0.35 1.56	47.45 0.59 1.87	53.05 0.79 0.34	58.66 1.09 0.00	58.26 1.08 0.00	54.36 1.17 0.00	46.13 0.73 0.45	39.54 0.56 0.90	35.56 0.53 0.08
CRICKET___VALLEY_CC1 323756	34.48 0.48 0.00	30.19 0.50 0.00	29.09 0.46 0.00	27.99 0.41 0.00	28.18 0.47 0.00	28.87 0.31 0.00	33.63 0.53 0.00	35.73 0.70 0.00	33.75 0.70 0.00	27.92 0.59 4.05	28.71 0.57 3.68	28.47 0.57 5.73	27.19 0.68 9.56	25.64 0.58 13.76	28.01 0.51 14.87	28.23 0.44 16.54	29.36 0.49 19.86	49.48 0.47 3.59	58.20 0.63 0.00	57.63 0.46 0.00	53.67 0.48 0.00	41.33 0.28 4.80	30.53 0.20 9.55	34.51 0.21 0.81
CRICKET___VALLEY_CC2 323757	34.48 0.48 0.00	30.19 0.50 0.00	29.09 0.46 0.00	27.99 0.41 0.00	28.18 0.47 0.00	28.87 0.31 0.00	33.63 0.53 0.00	35.73 0.70 0.00	33.75 0.70 0.00	27.92 0.59 4.05	28.71 0.57 3.68	28.47 0.57 5.73	27.19 0.68 9.56	25.64 0.58 13.76	28.01 0.51 14.87	28.23 0.44 16.54	29.36 0.49 19.86	49.48 0.47 3.59	58.20 0.63 0.00	57.63 0.46 0.00	53.67 0.48 0.00	41.33 0.28 4.80	30.53 0.20 9.55	34.51 0.21 0.81
CRICKET___VALLEY_CC3 323758	34.48 0.48 0.00	30.19 0.50 0.00	29.09 0.46 0.00	27.99 0.41 0.00	28.18 0.47 0.00	28.87 0.31 0.00	33.63 0.53 0.00	35.73 0.70 0.00	33.75 0.70 0.00	27.92 0.59 4.05	28.71 0.57 3.68	28.47 0.57 5.73	27.19 0.68 9.56	25.64 0.58 13.76	28.01 0.51 14.87	28.23 0.44 16.54	29.36 0.49 19.86	49.48 0.47 3.59	58.20 0.63 0.00	57.63 0.46 0.00	53.67 0.48 0.00	41.33 0.28 4.80	30.53 0.20 9.55	34.51 0.21 0.81
CRUCIBLE_METL_DRP 24180	33.86 -0.14 0.00	29.57 -0.12 0.00	28.49 -0.14 0.00	27.41 -0.17 0.00	27.54 -0.17 0.00	28.38 -0.17 0.00	32.87 -0.23 0.00	34.75 -0.28 0.00	32.83 -0.23 0.00	31.22 -0.16 0.00	31.72 -0.10 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.82 0.00 0.00	42.41 0.04 0.00	44.41 0.09 0.00	48.79 0.05 0.00	52.65 0.05 0.00	57.51 -0.06 0.00	57.29 0.11 0.00	53.19 0.00 0.00	45.99 0.14 0.00	39.88 0.00 0.00	35.11 0.00 0.00
DAHOWA___HYDRO 323763	34.99 0.99 0.00	30.52 0.83 0.00	29.49 0.86 0.00	28.35 0.77 0.00	28.54 0.83 0.00	29.41 0.86 0.00	34.20 1.09 0.00	36.18 1.15 0.00	33.98 0.92 0.00	31.66 0.59 0.31	31.92 0.38 0.28	33.49 0.30 0.44	35.70 0.36 0.73	38.04 0.27 1.05	41.49 0.26 1.13	43.42 0.35 1.26	47.96 0.73 1.51	53.38 1.05 0.27	59.12 1.55 0.00	59.00 1.83 0.00	55.21 2.02 0.00	46.86 1.37 0.37	40.23 1.08 0.73	36.03 0.98 0.06
DANC___LFGE 323619	34.72 0.72 0.00	30.19 0.50 0.00	29.06 0.43 0.00	27.99 0.41 0.00	28.15 0.44 0.00	29.07 0.51 0.00	33.70 0.60 0.00	35.62 0.59 0.00	33.46 0.40 0.00	31.75 0.38 0.00	32.17 0.35 0.00	34.00 0.37 0.00	36.39 0.32 0.00	39.29 0.47 0.00	42.79 0.42 0.00	44.90 0.57 0.00	49.27 0.54 0.00	53.13 0.53 0.00	58.54 0.98 0.00	58.49 1.32 0.00	54.52 1.33 0.00	47.18 1.33 0.00	40.80 0.92 0.00	35.81 0.70 0.00
DANSKAMMER___1 23586	35.06 1.06 0.00	30.61 0.92 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.33 1.30 0.00	34.25 1.19 0.00	32.78 1.13 -0.27	33.21 1.14 -0.25	35.02 1.01 -0.39	37.83 1.12 -0.64	40.83 1.09 -0.93	44.43 1.06 -1.00	46.50 1.06 -1.12	51.20 1.12 -1.34	54.16 1.32 -0.24	59.06 1.49 0.00	58.43 1.26 0.00	54.78 1.59 0.00	47.50 1.33 -0.32	41.68 1.16 -0.64	36.18 1.02 -0.05
DANSKAMMER___2 23589	35.06 1.06 0.00	30.61 0.92 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.33 1.30 0.00	34.25 1.19 0.00	32.78 1.13 -0.27	33.21 1.14 -0.25	35.02 1.01 -0.39	37.83 1.12 -0.64	40.83 1.09 -0.93	44.43 1.06 -1.00	46.50 1.06 -1.12	51.20 1.12 -1.34	54.16 1.32 -0.24	59.06 1.49 0.00	58.43 1.26 0.00	54.78 1.59 0.00	47.50 1.33 -0.32	41.68 1.16 -0.64	36.18 1.02 -0.05
DANSKAMMER___3 23590	35.06 1.06 0.00	30.61 0.92 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.33 1.30 0.00	34.25 1.19 0.00	32.78 1.13 -0.27	33.21 1.14 -0.25	35.02 1.01 -0.39	37.83 1.12 -0.64	40.83 1.09 -0.93	44.43 1.06 -1.00	46.50 1.06 -1.12	51.20 1.12 -1.34	54.16 1.32 -0.24	59.06 1.49 0.00	58.43 1.26 0.00	54.78 1.59 0.00	47.50 1.33 -0.32	41.68 1.16 -0.64	36.18 1.02 -0.05



DANSKAMMER___4 23591	35.06 1.06 0.00	30.61 0.92 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.33 1.30 0.00	34.25 1.19 0.00	32.78 1.13 -0.27	33.21 1.14 -0.25	35.02 1.01 -0.39	37.83 1.12 -0.64	40.83 1.09 -0.93	44.43 1.06 -1.00	46.50 1.06 -1.12	51.20 1.12 -1.34	54.16 1.32 -0.24	59.06 1.49 0.00	58.43 1.26 0.00	54.78 1.59 0.00	47.50 1.33 -0.32	41.68 1.16 -0.64	36.18 1.02 -0.05
DANSKAMMER___DIESEL 23592	35.05 1.05 0.00	30.61 0.92 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.33 1.30 0.00	34.25 1.19 0.00	32.78 1.13 -0.27	33.21 1.15 -0.25	35.02 1.01 -0.39	37.83 1.12 -0.64	40.84 1.09 -0.93	44.42 1.06 -1.00	46.50 1.06 -1.12	51.20 1.12 -1.34	54.21 1.37 -0.24	59.12 1.55 0.00	58.49 1.32 0.00	54.84 1.65 0.00	47.50 1.33 -0.32	41.84 1.32 -0.64	36.22 1.05 -0.05
DARBY___SOLAR 323810	34.92 0.92 0.00	30.49 0.80 0.00	29.43 0.80 0.00	28.30 0.72 0.00	28.48 0.77 0.00	29.33 0.77 0.00	34.10 0.99 0.00	36.08 1.05 0.00	33.92 0.86 0.00	31.62 0.57 0.32	31.88 0.35 0.29	33.44 0.27 0.45	35.63 0.32 0.76	37.96 0.23 1.09	41.40 0.21 1.18	43.32 0.31 1.31	47.84 0.68 1.58	53.31 1.00 0.28	59.06 1.49 0.00	58.83 1.66 0.00	55.00 1.81 0.00	46.71 1.24 0.38	40.08 0.96 0.76	35.92 0.88 0.06
DASHVILLE___HYD 23610	34.65 0.65 0.00	30.25 0.56 0.00	29.18 0.54 0.00	28.08 0.50 0.00	28.23 0.53 0.00	29.01 0.46 0.00	33.77 0.66 0.00	35.84 0.81 0.00	33.82 0.76 0.00	32.58 1.04 -0.17	33.02 1.05 -0.15	34.88 1.01 -0.24	37.66 1.19 -0.40	40.56 1.16 -0.58	44.13 1.14 -0.62	46.17 1.15 -0.69	50.84 1.27 -0.83	54.22 1.47 -0.15	58.66 1.09 0.00	58.03 0.86 0.00	54.20 1.01 0.00	47.20 1.15 -0.20	41.44 1.16 -0.40	36.02 0.88 -0.03
DELAWARE___LFGE 323621	34.78 0.78 0.00	30.37 0.68 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.37 0.66 0.00	29.24 0.69 0.00	33.87 0.76 0.00	35.91 0.88 0.00	33.85 0.79 0.00	32.16 0.72 -0.06	32.61 0.73 -0.06	34.52 0.81 -0.09	37.11 0.90 -0.14	39.96 0.93 -0.21	43.52 0.93 -0.22	45.59 1.02 -0.25	50.11 1.07 -0.30	53.92 1.26 -0.05	59.06 1.50 0.00	58.66 1.49 0.00	54.52 1.33 0.00	47.07 1.15 -0.07	40.98 0.96 -0.14	35.93 0.81 -0.01
DERFIELD_115KV_TB7 355931	33.97 -0.03 0.00	29.66 -0.03 0.00	28.60 -0.03 0.00	27.52 -0.06 0.00	27.68 -0.03 0.00	28.50 -0.06 0.00	33.04 -0.07 0.00	34.99 -0.04 0.00	33.02 -0.03 0.00	31.31 -0.06 0.00	31.76 -0.06 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.74 -0.08 0.00	42.28 -0.08 0.00	44.23 -0.09 0.00	48.64 -0.10 0.00	52.55 -0.05 0.00	57.51 -0.06 0.00	57.12 -0.06 0.00	53.14 -0.05 0.00	45.76 -0.09 0.00	39.80 -0.08 0.00	35.00 -0.11 0.00
DOGLEVILLE___HYD 23807	33.42 -0.58 0.00	29.13 -0.56 0.00	28.09 -0.54 0.00	27.03 -0.55 0.00	27.21 -0.50 0.00	28.04 -0.51 0.00	32.58 -0.53 0.00	34.57 -0.46 0.00	32.66 -0.40 0.00	31.03 -0.35 0.00	31.50 -0.32 0.00	33.29 -0.34 0.00	35.70 -0.36 0.00	38.47 -0.35 0.00	41.94 -0.42 0.00	43.88 -0.44 0.00	48.20 -0.54 0.00	52.02 -0.58 0.00	56.99 -0.58 0.00	56.49 -0.69 0.00	52.50 -0.69 0.00	45.16 -0.69 0.00	39.24 -0.64 0.00	34.58 -0.53 0.00
DUNKIRK___115KV_TB_200 55889	34.65 0.65 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.09 0.39 0.00	29.01 0.46 0.00	32.91 -0.20 0.00	34.33 -0.70 0.00	32.59 -0.46 0.00	31.41 0.03 0.00	32.20 0.38 0.00	34.27 0.64 0.00	36.68 0.61 0.00	39.75 0.93 0.00	43.55 1.19 0.00	45.70 1.37 0.00	50.20 1.46 0.00	54.18 1.58 0.00	58.60 1.04 0.00	58.66 1.49 0.00	53.99 0.80 0.00	47.27 1.42 0.00	41.20 1.32 0.00	36.76 1.65 0.00
DUNKIRK___1 23563	34.65 0.65 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.09 0.39 0.00	29.01 0.46 0.00	32.91 -0.20 0.00	34.33 -0.70 0.00	32.59 -0.46 0.00	31.41 0.03 0.00	32.20 0.38 0.00	34.27 0.64 0.00	36.68 0.61 0.00	39.75 0.93 0.00	43.55 1.19 0.00	45.70 1.37 0.00	50.20 1.46 0.00	54.18 1.58 0.00	58.60 1.04 0.00	58.66 1.49 0.00	53.99 0.80 0.00	47.27 1.42 0.00	41.20 1.32 0.00	36.76 1.65 0.00
DUNKIRK___2 23564	34.65 0.65 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.09 0.39 0.00	29.01 0.46 0.00	32.91 -0.20 0.00	34.33 -0.70 0.00	32.59 -0.46 0.00	31.41 0.03 0.00	32.20 0.38 0.00	34.27 0.64 0.00	36.68 0.61 0.00	39.75 0.93 0.00	43.55 1.19 0.00	45.70 1.37 0.00	50.20 1.46 0.00	54.18 1.58 0.00	58.60 1.04 0.00	58.66 1.49 0.00	53.99 0.80 0.00	47.27 1.42 0.00	41.20 1.32 0.00	36.76 1.65 0.00
DUNKIRK___3 23565	34.58 0.58 0.00	30.34 0.65 0.00	29.09 0.46 0.00	27.91 0.33 0.00	28.06 0.36 0.00	28.95 0.40 0.00	32.84 -0.26 0.00	34.22 -0.81 0.00	32.50 -0.56 0.00	31.28 -0.09 0.00	32.07 0.25 0.00	34.10 0.47 0.00	36.50 0.43 0.00	39.56 0.74 0.00	43.34 0.97 0.00	45.48 1.15 0.00	49.96 1.22 0.00	53.86 1.26 0.00	58.26 0.69 0.00	58.32 1.14 0.00	53.67 0.48 0.00	47.04 1.19 0.00	41.00 1.12 0.00	36.62 1.51 0.00
DUNKIRK___4 23566	34.58 0.58 0.00	30.34 0.65 0.00	29.09 0.46 0.00	27.91 0.33 0.00	28.06 0.36 0.00	28.95 0.40 0.00	32.84 -0.26 0.00	34.22 -0.81 0.00	32.50 -0.56 0.00	31.28 -0.09 0.00	32.07 0.25 0.00	34.10 0.47 0.00	36.50 0.43 0.00	39.56 0.74 0.00	43.34 0.97 0.00	45.48 1.15 0.00	49.96 1.22 0.00	53.86 1.26 0.00	58.26 0.69 0.00	58.32 1.14 0.00	53.67 0.48 0.00	47.04 1.19 0.00	41.00 1.12 0.00	36.62 1.51 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	35.12 1.12 0.00	30.61 0.92 0.00	29.46 0.83 0.00	28.35 0.77 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.30 1.19 0.00	36.54 1.51 0.00	34.54 1.49 0.00	33.16 1.44 -0.34	33.59 1.46 -0.31	35.63 1.51 -0.48	38.60 1.73 -0.81	41.65 1.67 -1.16	45.31 1.69 -1.25	47.31 1.60 -1.39	52.12 1.71 -1.67	54.69 1.79 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.73 1.54 0.00	47.54 1.28 -0.40	42.00 1.32 -0.81	36.23 1.05 -0.07
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	34.88 0.88 0.00	30.43 0.74 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.40 0.69 0.00	29.21 0.66 0.00	34.03 0.93 0.00	36.15 1.12 0.00	34.15 1.09 0.00	32.68 1.04 -0.27	33.12 1.05 -0.25	35.02 1.01 -0.39	37.86 1.15 -0.64	40.87 1.13 -0.93	44.47 1.10 -1.00	46.50 1.06 -1.11	51.25 1.17 -1.34	54.21 1.37 -0.24	59.06 1.50 0.00	58.49 1.32 0.00	54.57 1.38 0.00	47.27 1.10 -0.32	41.64 1.12 -0.64	36.04 0.88 -0.05
E179THST_138_KV_TB4_REV_LBMP_J 345001	35.50 1.50 0.00	30.97 1.28 0.00	29.81 1.17 0.00	28.68 1.10 0.00	28.87 1.16 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.54 1.49 0.00	33.26 1.54 -0.34	33.63 1.50 -0.31	35.56 1.45 -0.48	38.56 1.70 -0.81	41.65 1.67 -1.16	45.39 1.78 -1.25	47.27 1.55 -1.39	51.92 1.51 -1.67	54.11 1.21 -0.30	58.89 1.32 0.00	58.20 1.03 0.00	54.15 0.96 0.00	47.40 1.15 -0.40	42.28 1.60 -0.81	36.65 1.47 -0.07



E179THST_13_KV_LOAD 356214	35.67 1.67 0.00	31.11 1.43 0.00	29.95 1.32 0.00	28.82 1.24 0.00	28.98 1.27 0.00	29.64 1.09 0.00	34.53 1.42 0.00	36.71 1.68 0.00	34.71 1.65 0.00	33.44 1.73 -0.34	33.78 1.65 -0.31	35.76 1.65 -0.48	38.78 1.91 -0.81	41.88 1.90 -1.16	45.65 2.03 -1.25	47.53 1.82 -1.39	52.21 1.80 -1.67	54.43 1.53 -0.30	59.24 1.67 0.00	58.55 1.37 0.00	54.41 1.22 0.00	47.63 1.38 -0.40	42.48 1.79 -0.81	36.83 1.65 -0.07
EAST HAMPTON___GT 23717	37.37 3.37 -0.01	31.92 2.23 0.00	30.67 2.03 0.00	29.07 1.49 0.00	29.23 1.52 0.00	30.67 2.11 0.00	35.72 2.61 0.00	38.39 3.36 0.00	35.97 2.91 0.00	33.91 2.20 -0.34	34.42 2.29 -0.31	36.74 2.62 -0.48	39.47 2.60 -0.81	42.43 2.45 -1.16	45.23 1.61 -1.25	47.54 1.82 -1.39	52.02 1.61 -1.67	55.58 2.68 -0.30	62.29 4.72 0.00	59.40 2.23 0.00	55.74 2.55 0.00	47.31 1.06 -0.40	41.80 1.12 -0.81	37.18 2.00 -0.07
EAST RIVER___6 23660	35.29 1.29 0.00	30.79 1.10 0.00	29.63 1.00 0.00	28.49 0.91 0.00	28.67 0.97 0.00	29.50 0.94 0.00	34.56 1.45 0.00	36.92 1.89 0.00	34.94 1.88 0.00	33.57 1.85 -0.34	34.01 1.88 -0.31	36.03 1.92 -0.48	39.03 2.16 -0.81	42.11 2.13 -1.16	45.86 2.24 -1.25	47.89 2.17 -1.39	52.65 2.24 -1.67	55.11 2.21 -0.30	59.87 2.31 0.00	59.12 1.95 0.00	54.89 1.70 0.00	47.86 1.60 -0.40	42.12 1.43 -0.80	36.44 1.26 -0.07
EAST RIVER___7 23524	35.29 1.29 0.00	30.79 1.10 0.00	29.63 1.00 0.00	28.49 0.91 0.00	28.67 0.97 0.00	29.50 0.94 0.00	34.56 1.45 0.00	36.92 1.89 0.00	34.94 1.88 0.00	33.57 1.85 -0.34	34.01 1.88 -0.31	36.03 1.92 -0.48	39.03 2.16 -0.81	42.11 2.13 -1.16	45.86 2.24 -1.25	47.89 2.17 -1.39	52.65 2.24 -1.67	55.11 2.21 -0.30	59.87 2.31 0.00	59.12 1.95 0.00	54.89 1.70 0.00	47.86 1.60 -0.40	42.12 1.43 -0.80	36.44 1.26 -0.07
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	35.05 1.05 0.00	30.58 0.89 0.00	29.43 0.80 0.00	28.30 0.72 0.00	28.48 0.78 0.00	29.33 0.77 0.00	34.23 1.13 0.00	36.43 1.40 0.00	34.48 1.42 0.00	33.07 1.35 -0.34	33.50 1.37 -0.31	35.52 1.41 -0.48	38.49 1.62 -0.80	41.57 1.59 -1.16	45.18 1.57 -1.25	47.22 1.51 -1.39	51.97 1.56 -1.67	54.59 1.68 -0.30	59.41 1.84 0.00	58.72 1.54 0.00	54.63 1.44 0.00	47.44 1.19 -0.40	41.92 1.24 -0.80	36.16 0.98 -0.07
EAST_HAMPTON___DIESEL 23722	37.37 3.37 -0.01	31.92 2.23 0.00	30.67 2.03 0.00	29.04 1.46 0.00	29.20 1.50 0.00	30.64 2.08 0.00	35.69 2.58 0.00	38.36 3.33 0.00	35.93 2.87 0.00	33.85 2.13 -0.34	34.39 2.26 -0.31	36.70 2.59 -0.48	39.43 2.56 -0.81	42.35 2.37 -1.16	45.18 1.57 -1.25	47.49 1.77 -1.39	51.92 1.51 -1.67	55.48 2.58 -0.30	62.17 4.61 0.00	59.29 2.12 0.00	55.64 2.45 0.00	47.26 1.01 -0.40	41.72 1.04 -0.81	37.14 1.96 -0.07
EAST_POINT___SOLAR 323840	36.24 2.24 0.00	31.62 1.93 0.00	30.52 1.89 0.00	29.35 1.77 0.00	29.59 1.88 0.00	30.58 2.03 0.00	35.42 2.32 0.00	36.68 1.65 0.00	33.68 0.63 0.00	31.14 -0.06 0.18	31.31 -0.35 0.16	33.08 -0.30 0.25	35.61 -0.04 0.42	38.33 0.12 0.60	41.92 0.21 0.65	44.26 0.67 0.72	49.33 1.46 0.87	55.33 2.89 0.16	61.65 4.09 0.00	61.86 4.69 0.00	57.82 4.63 0.00	49.31 3.67 0.21	42.41 2.95 0.42	37.57 2.49 0.04
EAST_PULASKI___ESR 323781	33.97 -0.03 0.00	29.63 -0.06 0.00	28.52 -0.11 0.00	27.47 -0.11 0.00	27.62 -0.08 0.00	28.47 -0.09 0.00	33.01 -0.10 0.00	34.86 -0.17 0.00	32.86 -0.20 0.00	31.19 -0.19 0.00	31.63 -0.19 0.00	33.46 -0.17 0.00	35.85 -0.22 0.00	38.70 -0.12 0.00	42.19 -0.17 0.00	44.24 -0.09 0.00	48.54 -0.19 0.00	52.39 -0.21 0.00	57.45 -0.11 0.00	57.29 0.11 0.00	53.30 0.11 0.00	46.08 0.23 0.00	40.04 0.16 0.00	35.11 0.00 0.00
EAST_RIVER___1 323558	35.22 1.22 0.00	30.73 1.04 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.62 0.91 0.00	29.44 0.89 0.00	34.46 1.36 0.00	36.75 1.72 0.00	34.81 1.75 0.00	33.41 1.69 -0.34	33.81 1.69 -0.31	35.86 1.75 -0.48	38.82 1.95 -0.81	41.92 1.94 -1.16	45.61 1.99 -1.25	47.67 1.95 -1.39	52.41 2.00 -1.67	54.85 1.95 -0.30	59.64 2.07 0.00	58.89 1.71 0.00	54.73 1.54 0.00	47.72 1.47 -0.40	42.00 1.31 -0.80	36.34 1.16 -0.07
EAST_RIVER___2 323559	35.29 1.29 0.00	30.79 1.10 0.00	29.63 1.00 0.00	28.49 0.91 0.00	28.67 0.97 0.00	29.50 0.94 0.00	34.56 1.45 0.00	36.92 1.89 0.00	34.94 1.88 0.00	33.57 1.85 -0.34	34.01 1.88 -0.31	36.03 1.92 -0.48	39.03 2.16 -0.81	42.11 2.13 -1.16	45.86 2.24 -1.25	47.89 2.17 -1.39	52.65 2.24 -1.67	55.11 2.21 -0.30	59.87 2.31 0.00	59.12 1.95 0.00	54.89 1.70 0.00	47.86 1.60 -0.40	42.12 1.43 -0.80	36.44 1.26 -0.07
EAST___DELAWARE_HYD 23607	34.81 0.81 0.00	30.34 0.65 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.10 0.54 0.00	33.93 0.83 0.00	36.01 0.98 0.00	34.02 0.96 0.00	32.51 0.91 -0.22	32.91 0.89 -0.20	34.85 0.91 -0.31	37.63 1.05 -0.52	40.62 1.05 -0.75	44.19 1.02 -0.81	46.29 1.06 -0.90	50.99 1.17 -1.09	54.16 1.37 -0.20	59.24 1.67 0.00	58.66 1.48 0.00	54.73 1.54 0.00	47.30 1.19 -0.26	41.36 0.96 -0.52	35.96 0.81 -0.04
EIGHT_POINT___WT_PWR 323820	34.85 0.85 0.00	30.49 0.80 0.00	29.26 0.63 0.00	28.10 0.52 0.00	28.18 0.47 0.00	29.10 0.54 0.00	33.27 0.17 0.00	34.61 -0.42 0.00	32.59 -0.46 0.00	31.12 -0.25 0.00	31.82 0.00 0.00	33.76 0.14 0.00	36.21 0.14 0.00	39.25 0.43 0.00	42.91 0.55 0.00	45.08 0.75 0.00	49.22 0.49 0.00	53.39 0.79 0.00	58.20 0.63 0.00	58.49 1.32 0.00	53.99 0.80 0.00	46.86 1.01 0.00	41.40 1.52 0.00	36.23 1.12 0.00
ELBRIDGE_115KV_TB2 80188	33.73 -0.27 0.00	29.48 -0.21 0.00	28.37 -0.26 0.00	27.33 -0.25 0.00	27.46 -0.25 0.00	28.30 -0.26 0.00	32.74 -0.36 0.00	34.57 -0.46 0.00	32.66 -0.40 0.00	31.06 -0.31 0.00	31.57 -0.25 0.00	33.39 -0.24 0.00	35.81 -0.25 0.00	38.63 -0.19 0.00	42.19 -0.17 0.00	44.19 -0.13 0.00	48.49 -0.24 0.00	52.39 -0.21 0.00	57.22 -0.35 0.00	57.00 -0.17 0.00	52.92 -0.27 0.00	45.76 -0.09 0.00	39.72 -0.16 0.00	35.00 -0.11 0.00
ELEC_TRO_TEK 24086	35.70 1.70 0.00	30.94 1.25 0.00	29.72 1.09 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.72 1.17 0.00	34.76 1.66 0.00	37.10 2.07 0.00	34.94 1.88 0.00	33.32 1.60 -0.34	33.91 1.78 -0.31	36.06 1.95 -0.48	38.96 2.09 -0.81	41.80 1.82 -1.16	44.80 1.19 -1.25	46.91 1.20 -1.39	51.58 1.17 -1.67	54.69 1.79 -0.30	60.10 2.53 0.00	58.89 1.72 0.00	54.84 1.65 0.00	47.31 1.05 -0.40	42.28 1.60 -0.81	36.69 1.51 -0.07
ELLENBURG_WT_PWR 323604	34.58 0.58 0.00	30.16 0.47 0.00	29.12 0.49 0.00	28.13 0.55 0.00	28.26 0.55 0.00	29.18 0.63 0.00	33.90 0.79 0.00	35.84 0.81 0.00	33.78 0.73 0.00	32.10 0.72 0.00	32.55 0.73 0.00	34.37 0.74 0.00	36.86 0.79 0.00	39.67 0.85 0.00	43.34 0.98 0.00	45.34 1.02 0.00	49.81 1.07 0.00	53.60 1.00 0.00	58.60 1.04 0.00	58.15 0.97 0.00	54.20 1.01 0.00	46.81 0.96 0.00	40.68 0.80 0.00	35.88 0.77 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	34.51 0.51 0.00	30.28 0.59 0.00	29.06 0.43 0.00	27.91 0.33 0.00	28.04 0.33 0.00	28.87 0.31 0.00	32.74 -0.36 0.00	34.08 -0.95 0.00	32.33 -0.73 0.00	31.09 -0.28 0.00	31.85 0.03 0.00	33.86 0.24 0.00	36.17 0.11 0.00	39.21 0.39 0.00	42.96 0.59 0.00	45.12 0.80 0.00	49.57 0.83 0.00	53.28 0.68 0.00	57.57 0.00 0.00	57.57 0.40 0.00	53.03 -0.16 0.00	46.58 0.73 0.00	40.68 0.80 0.00	36.41 1.30 0.00
EMPIRE_CC_1 323656	34.24 0.24 0.00	29.99 0.30 0.00	28.98 0.34 0.00	27.88 0.30 0.00	28.04 0.33 0.00	28.78 0.23 0.00	33.40 0.30 0.00	35.31 0.28 0.00	33.35 0.30 0.00	31.02 0.13 0.49	31.41 0.03 0.44	32.94 0.00 0.69	34.88 -0.04 1.15	37.01 -0.15 1.65	40.37 -0.21 1.79	41.98 -0.36 1.99	46.11 -0.24 2.39	51.96 -0.21 0.43	57.51 -0.06 0.00	57.06 -0.11 0.00	53.19 0.00 0.00	45.09 -0.18 0.58	38.54 -0.20 1.15	34.91 -0.11 0.10
EMPIRE_CC_2 323658	34.24 0.24 0.00	29.99 0.30 0.00	28.98 0.34 0.00	27.88 0.30 0.00	28.04 0.33 0.00	28.78 0.23 0.00	33.40 0.30 0.00	35.31 0.28 0.00	33.35 0.30 0.00	31.02 0.13 0.49	31.41 0.03 0.44	32.94 0.00 0.69	34.88 -0.04 1.15	37.01 -0.15 1.65	40.37 -0.21 1.79	41.98 -0.36 1.99	46.11 -0.24 2.39	51.96 -0.21 0.43	57.51 -0.06 0.00	57.06 -0.11 0.00	53.19 0.00 0.00	45.09 -0.18 0.58	38.54 -0.20 1.15	34.91 -0.11 0.10
ENORWICH_115KV_TB1 80156	36.11 2.11 0.00	31.50 1.81 0.00	30.29 1.66 0.00	29.12 1.54 0.00	29.28 1.58 0.00	30.24 1.68 0.00	35.02 1.92 0.00	37.10 2.07 0.00	34.71 1.65 0.00	32.79 1.41 0.00	33.22 1.40 0.00	35.24 1.61 0.00	37.65 1.59 0.00	40.80 1.98 0.00	44.40 2.03 0.00	46.72 2.39 0.00	51.37 2.63 0.00	55.60 3.00 0.00	61.42 3.86 0.00	61.46 4.29 0.00	57.07 3.88 0.00	49.24 3.39 0.00	42.31 2.43 0.00	37.18 2.07 0.00
ERIE_ST__34_KV_TB1-2 80199	34.58 0.58 0.00	30.34 0.65 0.00	29.09 0.46 0.00	27.88 0.30 0.00	28.06 0.36 0.00	28.95 0.40 0.00	32.87 -0.23 0.00	34.22 -0.81 0.00	32.50 -0.56 0.00	31.31 -0.06 0.00	32.07 0.25 0.00	34.10 0.47 0.00	36.53 0.47 0.00	39.64 0.82 0.00	43.42 1.06 0.00	45.65 1.33 0.00	50.15 1.41 0.00	53.97 1.37 0.00	58.37 0.81 0.00	58.38 1.20 0.00	53.67 0.48 0.00	46.95 1.10 0.00	40.92 1.04 0.00	36.58 1.47 0.00
ERIE_WT_PWR 323693	34.64 0.64 0.00	30.40 0.71 0.00	29.18 0.54 0.00	27.99 0.41 0.00	28.15 0.44 0.00	29.07 0.51 0.00	32.87 -0.23 0.00	34.23 -0.80 0.00	32.46 -0.59 0.00	31.25 -0.13 0.00	32.01 0.19 0.00	34.03 0.41 0.00	36.39 0.32 0.00	39.52 0.70 0.00	43.21 0.85 0.00	45.47 1.15 0.00	49.86 1.12 0.00	53.65 1.05 0.00	57.91 0.35 0.00	58.03 0.86 0.00	53.46 0.27 0.00	46.90 1.06 0.00	41.72 1.84 0.00	36.65 1.54 0.00
ESPRGFLD_115KV_TB1 80157	35.77 1.77 0.00	31.20 1.51 0.00	30.09 1.46 0.00	28.93 1.35 0.00	29.15 1.44 0.00	30.10 1.54 0.00	34.89 1.79 0.00	36.82 1.79 0.00	34.45 1.39 0.00	32.34 1.07 0.10	32.75 1.02 0.09	34.60 1.11 0.14	37.09 1.26 0.23	39.92 1.44 0.33	43.53 1.53 0.36	45.74 1.82 0.40	50.45 2.19 0.48	55.30 2.79 0.09	60.96 3.40 0.00	60.89 3.72 0.00	56.70 3.51 0.00	48.62 2.89 0.12	41.96 2.31 0.23	37.06 1.97 0.02
ETNA_115_KV_TB1_REV_LBMP_C 345029	34.61 0.61 0.00	30.22 0.53 0.00	29.09 0.46 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.98 0.43 0.00	33.57 0.46 0.00	35.42 0.39 0.00	33.39 0.33 0.00	31.66 0.28 0.00	32.14 0.32 0.00	34.03 0.40 0.00	36.50 0.43 0.00	39.36 0.54 0.00	42.96 0.59 0.00	45.03 0.71 0.00	49.52 0.78 0.00	53.60 1.00 0.00	58.72 1.15 0.00	58.60 1.43 0.00	54.41 1.22 0.00	47.04 1.19 0.00	40.76 0.88 0.00	35.88 0.77 0.00
ETNA____115KV_TB2 80207	34.61 0.61 0.00	30.22 0.53 0.00	29.09 0.46 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.98 0.43 0.00	33.57 0.46 0.00	35.42 0.39 0.00	33.39 0.33 0.00	31.66 0.28 0.00	32.14 0.32 0.00	34.03 0.40 0.00	36.50 0.43 0.00	39.36 0.54 0.00	42.96 0.59 0.00	45.03 0.71 0.00	49.52 0.78 0.00	53.60 1.00 0.00	58.72 1.15 0.00	58.60 1.43 0.00	54.41 1.22 0.00	47.04 1.19 0.00	40.76 0.88 0.00	35.88 0.77 0.00
EUCLID___115KV_TB2 356179	33.52 -0.48 0.00	29.27 -0.42 0.00	28.20 -0.43 0.00	27.17 -0.41 0.00	27.29 -0.42 0.00	28.13 -0.43 0.00	32.54 -0.56 0.00	34.40 -0.63 0.00	32.50 -0.56 0.00	30.91 -0.47 0.00	31.37 -0.45 0.00	33.19 -0.44 0.00	35.60 -0.47 0.00	38.43 -0.39 0.00	41.94 -0.42 0.00	43.92 -0.40 0.00	48.25 -0.49 0.00	52.02 -0.58 0.00	56.88 -0.69 0.00	56.55 -0.63 0.00	52.55 -0.64 0.00	45.44 -0.41 0.00	39.44 -0.44 0.00	34.72 -0.39 0.00
E_CANADA_CAP_HY 24051	36.14 2.14 0.00	31.53 1.84 0.00	30.41 1.78 0.00	29.23 1.65 0.00	29.48 1.77 0.00	30.44 1.88 0.00	35.32 2.22 0.00	37.03 2.00 0.00	34.41 1.36 0.00	32.07 0.85 0.16	32.28 0.60 0.14	34.04 0.64 0.22	36.52 0.83 0.37	39.21 0.93 0.54	42.88 1.10 0.58	45.14 1.46 0.64	50.06 2.09 0.77	55.51 3.05 0.14	61.48 3.92 0.00	61.52 4.34 0.00	57.45 4.26 0.00	49.05 3.39 0.19	42.26 2.75 0.37	37.40 2.32 0.03
E_CANADA_MHWK_HY 24050	33.42 -0.58 0.00	29.12 -0.57 0.00	28.09 -0.54 0.00	27.03 -0.55 0.00	27.21 -0.50 0.00	28.04 -0.51 0.00	32.57 -0.53 0.00	34.57 -0.46 0.00	32.66 -0.40 0.00	31.03 -0.34 0.00	31.50 -0.32 0.00	33.29 -0.34 0.00	35.70 -0.36 0.00	38.47 -0.35 0.00	41.94 -0.42 0.00	43.88 -0.44 0.00	48.25 -0.49 0.00	52.02 -0.58 0.00	56.99 -0.58 0.00	56.49 -0.68 0.00	52.45 -0.74 0.00	45.16 -0.69 0.00	39.24 -0.64 0.00	34.58 -0.53 0.00
E_FISHKILL___LBMP 23776	34.78 0.78 0.00	30.37 0.68 0.00	29.26 0.63 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.13 0.57 0.00	33.93 0.83 0.00	36.12 1.09 0.00	34.12 1.06 0.00	32.73 1.00 -0.35	33.16 1.02 -0.32	35.13 1.01 -0.49	38.08 1.19 -0.82	41.13 1.13 -1.19	44.75 1.10 -1.28	46.77 1.02 -1.43	51.52 1.07 -1.71	54.12 1.21 -0.31	58.89 1.32 0.00	58.26 1.09 0.00	54.25 1.06 0.00	47.09 0.83 -0.41	41.58 0.88 -0.82	35.85 0.67 -0.07
FALCON___SEABRD_CC1 323796	35.36 1.36 0.00	30.82 1.13 0.00	29.78 1.15 0.00	28.77 1.19 0.00	28.92 1.22 0.00	29.87 1.31 0.00	34.69 1.59 0.00	36.68 1.65 0.00	34.55 1.49 0.00	32.85 1.48 0.00	33.28 1.46 0.00	35.14 1.51 0.00	37.72 1.66 0.00	40.68 1.86 0.00	44.44 2.08 0.00	46.49 2.17 0.00	51.13 2.39 0.00	54.91 2.31 0.00	60.10 2.53 0.00	59.63 2.46 0.00	55.59 2.40 0.00	48.09 2.25 0.00	41.76 1.87 0.00	36.80 1.69 0.00
FALCON___SEABRD_CC2 323797	35.36 1.36 0.00	30.82 1.13 0.00	29.78 1.15 0.00	28.77 1.19 0.00	28.92 1.22 0.00	29.87 1.31 0.00	34.69 1.59 0.00	36.68 1.65 0.00	34.55 1.49 0.00	32.85 1.48 0.00	33.28 1.46 0.00	35.14 1.51 0.00	37.72 1.66 0.00	40.68 1.86 0.00	44.44 2.08 0.00	46.49 2.17 0.00	51.13 2.39 0.00	54.91 2.31 0.00	60.10 2.53 0.00	59.63 2.46 0.00	55.59 2.40 0.00	48.09 2.25 0.00	41.76 1.87 0.00	36.80 1.69 0.00



FAR ROCKAWAY___4 23548	36.21 2.21 0.00	31.35 1.66 0.00	30.12 1.49 0.00	28.82 1.24 0.00	29.01 1.30 0.00	30.12 1.57 0.00	35.22 2.12 0.00	37.55 2.52 0.00	35.31 2.25 0.00	33.73 2.01 -0.34	34.33 2.20 -0.31	36.57 2.45 -0.48	39.50 2.63 -0.81	42.39 2.41 -1.16	45.40 1.78 -1.25	47.62 1.91 -1.39	52.36 1.95 -1.67	55.59 2.68 -0.30	61.14 3.57 0.00	59.86 2.69 0.00	55.74 2.55 0.00	48.13 1.88 -0.40	43.00 2.31 -0.81	37.29 2.11 -0.07
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	35.26 1.26 0.00	30.76 1.07 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.47 0.91 0.00	34.46 1.36 0.00	36.75 1.72 0.00	34.78 1.72 0.00	33.41 1.69 -0.34	33.82 1.69 -0.31	35.83 1.72 -0.48	38.82 1.95 -0.81	41.92 1.94 -1.16	45.61 1.99 -1.25	47.62 1.91 -1.39	52.41 2.00 -1.67	54.90 2.00 -0.30	59.64 2.07 0.00	58.95 1.77 0.00	54.79 1.60 0.00	47.72 1.47 -0.40	42.24 1.56 -0.80	36.37 1.19 -0.07
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	35.26 1.26 0.00	30.76 1.07 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.47 0.91 0.00	34.46 1.36 0.00	36.75 1.72 0.00	34.78 1.72 0.00	33.41 1.69 -0.34	33.82 1.69 -0.31	35.83 1.72 -0.48	38.82 1.95 -0.81	41.92 1.94 -1.16	45.61 1.99 -1.25	47.62 1.91 -1.39	52.41 2.00 -1.67	54.90 2.00 -0.30	59.64 2.07 0.00	58.95 1.77 0.00	54.79 1.60 0.00	47.77 1.51 -0.40	42.24 1.56 -0.80	36.37 1.19 -0.07
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	35.22 1.22 0.00	30.73 1.04 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.62 0.91 0.00	29.44 0.89 0.00	34.43 1.32 0.00	36.75 1.72 0.00	34.78 1.72 0.00	33.38 1.66 -0.34	33.78 1.65 -0.31	35.83 1.72 -0.48	38.82 1.95 -0.81	41.92 1.94 -1.16	45.56 1.95 -1.25	47.58 1.86 -1.39	52.36 1.95 -1.67	54.85 1.95 -0.30	59.58 2.01 0.00	58.89 1.72 0.00	54.73 1.54 0.00	47.72 1.47 -0.40	42.20 1.52 -0.80	36.34 1.16 -0.07
FARRAGUT___LBMP 323566	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.71 1.68 0.00	34.74 1.69 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.79 1.68 -0.48	38.78 1.91 -0.81	41.88 1.90 -1.16	45.52 1.91 -1.25	47.53 1.82 -1.39	52.31 1.90 -1.67	54.80 1.89 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.67 1.42 -0.40	42.16 1.48 -0.80	36.34 1.16 -0.07
FENNER___WINDPWR 24204	34.61 0.61 0.00	30.19 0.50 0.00	29.06 0.43 0.00	27.99 0.41 0.00	28.12 0.42 0.00	29.01 0.46 0.00	33.63 0.53 0.00	35.59 0.56 0.00	33.52 0.46 0.00	31.82 0.44 0.00	32.26 0.45 0.00	34.13 0.51 0.00	36.61 0.54 0.00	39.52 0.70 0.00	43.08 0.72 0.00	45.12 0.80 0.00	49.62 0.88 0.00	53.55 0.95 0.00	58.78 1.21 0.00	58.54 1.37 0.00	54.46 1.27 0.00	46.99 1.15 0.00	40.76 0.88 0.00	35.78 0.67 0.00
FIBERTEK___ENERGY 23856	33.86 -0.14 0.00	29.57 -0.12 0.00	28.49 -0.14 0.00	27.41 -0.17 0.00	27.54 -0.17 0.00	28.38 -0.17 0.00	32.87 -0.23 0.00	34.75 -0.28 0.00	32.83 -0.23 0.00	31.22 -0.16 0.00	31.72 -0.10 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.82 0.00 0.00	42.41 0.04 0.00	44.41 0.09 0.00	48.79 0.05 0.00	52.65 0.05 0.00	57.51 -0.06 0.00	57.29 0.11 0.00	53.19 0.00 0.00	45.99 0.14 0.00	39.88 0.00 0.00	35.11 0.00 0.00
FITZPATRICK___ 23598	33.05 -0.95 0.00	28.86 -0.83 0.00	27.80 -0.83 0.00	26.78 -0.80 0.00	26.90 -0.80 0.00	27.73 -0.83 0.00	32.08 -1.03 0.00	33.91 -1.12 0.00	32.03 -1.03 0.00	30.44 -0.94 0.00	30.90 -0.92 0.00	32.69 -0.94 0.00	35.02 -1.05 0.00	37.81 -1.01 0.00	41.26 -1.10 0.00	43.17 -1.15 0.00	47.47 -1.27 0.00	51.23 -1.37 0.00	56.02 -1.55 0.00	55.69 -1.49 0.00	51.76 -1.43 0.00	44.70 -1.14 0.00	38.92 -0.96 0.00	34.20 -0.91 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	35.12 1.12 0.00	30.64 0.95 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.26 1.16 0.00	36.40 1.37 0.00	34.31 1.26 0.00	32.85 1.19 -0.28	33.28 1.21 -0.25	35.10 1.08 -0.39	37.95 1.23 -0.66	40.97 1.20 -0.95	44.62 1.23 -1.02	46.66 1.20 -1.14	51.42 1.32 -1.37	54.37 1.53 -0.25	59.29 1.73 0.00	58.66 1.49 0.00	55.00 1.81 0.00	47.60 1.42 -0.33	41.94 1.40 -0.66	36.25 1.09 -0.06
FORT ORANGE___ 23900	34.21 0.21 0.00	29.90 0.21 0.00	28.95 0.32 0.00	27.83 0.25 0.00	27.98 0.28 0.00	28.76 0.20 0.00	33.34 0.23 0.00	35.28 0.25 0.00	33.26 0.20 0.00	31.26 0.13 0.24	31.63 0.03 0.22	33.25 -0.03 0.34	35.49 0.00 0.57	37.84 -0.15 0.82	41.27 -0.21 0.89	43.07 -0.26 0.99	47.41 -0.15 1.18	52.39 0.00 0.21	57.62 0.06 0.00	57.29 0.11 0.00	53.46 0.27 0.00	45.56 0.00 0.29	39.31 0.00 0.57	35.06 0.00 0.05
FORT_DRUM_COGEN 23780	35.70 1.70 0.00	30.94 1.25 0.00	29.75 1.12 0.00	28.66 1.08 0.00	28.87 1.16 0.00	29.81 1.26 0.00	34.59 1.49 0.00	36.61 1.58 0.00	34.21 1.16 0.00	32.47 1.10 0.00	32.87 1.05 0.00	34.71 1.08 0.00	37.11 1.05 0.00	40.10 1.28 0.00	43.59 1.23 0.00	45.83 1.51 0.00	50.25 1.51 0.00	54.23 1.63 0.00	59.98 2.42 0.00	60.03 2.86 0.00	56.17 2.98 0.00	48.55 2.71 0.00	41.72 1.83 0.00	36.65 1.54 0.00
FOX_HILLS___ESR 323835	35.39 1.39 0.00	30.85 1.16 0.00	29.66 1.03 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.38 0.83 0.00	34.30 1.19 0.00	36.50 1.47 0.00	34.51 1.45 0.00	33.26 1.54 -0.34	33.63 1.50 -0.31	35.59 1.48 -0.48	38.64 1.77 -0.81	41.77 1.79 -1.16	45.61 1.99 -1.25	47.31 1.60 -1.39	51.83 1.41 -1.67	54.06 1.16 -0.30	58.89 1.32 0.00	58.26 1.09 0.00	54.25 1.06 0.00	47.40 1.15 -0.40	42.32 1.64 -0.81	36.58 1.40 -0.07
FPL_FAR_ROCK_GT1 24212	36.22 2.21 -0.01	31.35 1.66 0.00	30.12 1.49 0.00	28.82 1.24 0.00	29.01 1.30 0.00	30.10 1.54 0.00	35.23 2.12 0.00	37.55 2.52 0.00	35.31 2.25 0.00	33.73 2.01 -0.34	34.32 2.19 -0.31	36.57 2.45 -0.48	39.39 2.52 -0.81	42.35 2.37 -1.16	45.39 1.78 -1.25	47.67 1.95 -1.39	52.36 1.95 -1.67	55.58 2.68 -0.30	61.14 3.57 0.00	59.63 2.46 0.00	55.69 2.50 0.00	48.04 1.79 -0.40	42.40 1.71 -0.81	37.14 1.96 -0.07
FPL_FAR_ROCK_GT2 23815	36.22 2.21 -0.01	31.35 1.66 0.00	30.12 1.49 0.00	28.82 1.24 0.00	29.01 1.30 0.00	30.10 1.54 0.00	35.23 2.12 0.00	37.55 2.52 0.00	35.31 2.25 0.00	33.73 2.01 -0.34	34.32 2.19 -0.31	36.57 2.45 -0.48	39.39 2.52 -0.81	42.35 2.37 -1.16	45.39 1.78 -1.25	47.67 1.95 -1.39	52.36 1.95 -1.67	55.58 2.68 -0.30	61.14 3.57 0.00	59.63 2.46 0.00	55.69 2.50 0.00	48.04 1.79 -0.40	42.40 1.71 -0.81	37.14 1.96 -0.07
FRANKLIN_FALL_HYD 24054	34.99 0.99 0.00	30.46 0.77 0.00	29.41 0.77 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.55 1.00 0.00	34.36 1.26 0.00	36.33 1.30 0.00	34.18 1.12 0.00	32.47 1.10 0.00	32.93 1.11 0.00	34.77 1.14 0.00	37.29 1.23 0.00	40.22 1.40 0.00	43.93 1.57 0.00	45.96 1.64 0.00	50.49 1.75 0.00	54.18 1.58 0.00	59.29 1.73 0.00	58.89 1.72 0.00	54.95 1.76 0.00	47.54 1.70 0.00	41.28 1.40 0.00	36.41 1.30 0.00



FREEPORT_EQUS_GT1 23764	36.05	31.17	29.95	28.63	28.81	29.92	35.02	37.38	35.17	33.54	34.14	36.37	39.11	42.00	44.97	47.18	51.83	55.06	60.56	59.00	55.16	47.53	41.96	36.79
	2.04	1.48	1.32	1.05	1.11	1.37	1.92	2.35	2.12	1.82	2.01	2.25	2.24	2.02	1.36	1.46	1.41	2.16	2.99	1.83	1.97	1.28	1.28	1.62
	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-0.31	-0.48	-0.81	-1.16	-1.25	-1.39	-1.67	-0.30	0.00	0.00	0.00	-0.40	-0.81	-0.07
FREEPORT___CT2 23818	36.05	31.17	29.95	28.63	28.81	29.92	35.02	37.38	35.17	33.54	34.14	36.37	39.11	42.00	44.97	47.18	51.83	55.06	60.56	59.00	55.16	47.53	41.96	36.79
	2.04	1.48	1.32	1.05	1.11	1.37	1.92	2.35	2.12	1.82	2.01	2.25	2.24	2.02	1.36	1.46	1.41	2.16	2.99	1.83	1.97	1.28	1.28	1.62
	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-0.31	-0.48	-0.81	-1.16	-1.25	-1.39	-1.67	-0.30	0.00	0.00	0.00	-0.40	-0.81	-0.07
FRESHKLS_33_KV_LOAD 356253	35.46	30.91	29.72	28.57	28.73	29.41	34.33	36.54	34.54	33.29	33.66	35.63	38.67	41.80	45.69	47.31	51.77	53.95	58.89	58.20	54.20	47.44	42.44	36.65
	1.46	1.22	1.09	0.99	1.03	0.86	1.22	1.51	1.49	1.57	1.53	1.51	1.80	1.82	2.08	1.60	1.36	1.05	1.32	1.03	1.01	1.19	1.75	1.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.34	-0.31	-0.48	-0.81	-1.16	-1.25	-1.39	-1.67	-0.30	0.00	0.00	0.00	-0.40	-0.81	-0.07
FULTON COGEN____ 23766	33.49	29.24	28.17	27.14	27.26	28.07	32.54	34.36	32.46	30.87	31.34	33.16	35.56	38.35	41.85	43.84	48.15	51.97	56.88	56.60	52.55	45.39	39.40	34.69
	-0.51	-0.45	-0.46	-0.44	-0.44	-0.49	-0.56	-0.67	-0.60	-0.50	-0.48	-0.47	-0.50	-0.47	-0.51	-0.49	-0.58	-0.63	-0.69	-0.57	-0.64	-0.46	-0.48	-0.42
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FULTON___LFGE 323630	35.94	31.38	30.29	29.12	29.34	30.30	35.19	36.89	34.25	31.76	31.88	33.51	35.92	38.55	42.20	44.51	49.45	55.07	61.08	61.18	57.13	48.75	41.97	37.18
	1.94	1.69	1.66	1.54	1.63	1.74	2.09	1.86	1.19	0.57	0.22	0.14	0.29	0.35	0.51	0.93	1.61	2.63	3.51	4.00	3.94	3.12	2.51	2.11
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.17	0.26	0.43	0.62	0.67	0.74	0.89	0.16	0.00	0.00	0.00	0.22	0.43	0.04
G.F.CEMENT___DRP 24184	34.92	30.46	29.43	28.30	28.48	29.38	34.20	36.19	34.02	31.72	31.85	33.43	35.68	38.04	41.44	43.37	47.96	53.35	59.24	59.12	55.37	46.93	40.44	36.04
	0.92	0.77	0.80	0.72	0.78	0.83	1.09	1.16	0.96	0.63	0.29	0.20	0.29	0.19	0.13	0.22	0.63	1.00	1.67	1.94	2.18	1.42	1.24	0.98
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.26	0.41	0.68	0.98	1.05	1.17	1.41	0.25	0.00	0.00	0.00	0.34	0.68	0.06
GARDENVILLE___LBMP 24039	34.54	30.34	29.09	27.91	28.06	28.90	32.77	34.12	32.36	31.13	31.92	33.90	36.24	39.29	43.04	45.21	49.66	53.44	57.74	57.80	53.24	46.72	40.76	36.48
	0.54	0.65	0.46	0.33	0.36	0.34	-0.33	-0.91	-0.69	-0.25	0.10	0.27	0.18	0.47	0.68	0.89	0.93	0.84	0.17	0.63	0.05	0.87	0.88	1.37
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GARDNVLA_35_KV_LD 355827	34.68	30.46	29.21	28.02	28.18	29.04	32.94	34.29	32.53	31.31	32.07	34.13	36.50	39.56	43.38	45.52	50.00	53.81	58.14	58.15	53.56	46.99	41.04	36.65
	0.68	0.77	0.57	0.44	0.47	0.49	-0.17	-0.74	-0.53	-0.06	0.25	0.50	0.43	0.74	1.02	1.20	1.27	1.21	0.58	0.97	0.37	1.15	1.16	1.54
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GELCKHM___115KV_LOAD 80723	33.63	29.39	28.32	27.25	27.37	28.21	32.67	34.50	32.63	31.00	31.50	33.33	35.74	38.59	42.11	44.10	48.45	52.28	57.11	56.83	52.76	45.62	39.60	34.86
	-0.37	-0.30	-0.31	-0.33	-0.33	-0.34	-0.43	-0.53	-0.43	-0.38	-0.32	-0.30	-0.32	-0.23	-0.25	-0.22	-0.29	-0.32	-0.46	-0.34	-0.43	-0.23	-0.28	-0.25
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GENERAL___MILLS 23808	34.61	30.40	29.15	27.97	28.12	28.98	32.87	34.22	32.46	31.22	32.01	34.00	36.39	39.44	43.21	45.39	49.81	53.60	57.91	57.97	53.40	46.86	40.88	36.58
	0.61	0.71	0.52	0.39	0.42	0.43	-0.23	-0.81	-0.60	-0.16	0.19	0.37	0.32	0.62	0.85	1.06	1.07	1.00	0.35	0.80	0.21	1.01	1.00	1.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
GE_PLASTICS___DRP 24183	34.17	29.87	28.89	27.80	27.95	28.73	33.34	35.28	33.29	31.36	31.79	33.45	35.72	38.23	41.68	43.48	47.83	52.50	57.68	57.23	53.35	45.64	39.55	35.08
	0.17	0.18	0.26	0.22	0.25	0.17	0.23	0.25	0.23	0.16	0.13	0.07	0.07	0.00	-0.04	-0.13	-0.05	0.05	0.12	0.06	0.16	0.00	0.08	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.16	0.25	0.41	0.59	0.64	0.71	0.86	0.15	0.00	0.00	0.00	0.21	0.41	0.03
GILBOA___1 23756	34.37	30.02	29.06	27.97	28.12	28.95	33.47	35.48	33.52	31.83	32.27	34.10	36.67	39.45	43.01	44.93	49.48	53.14	58.14	57.63	53.67	46.26	40.33	35.40
	0.37	0.33	0.43	0.39	0.42	0.40	0.36	0.45	0.46	0.38	0.38	0.37	0.43	0.39	0.38	0.31	0.39	0.47	0.58	0.46	0.48	0.32	0.28	0.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.07	-0.10	-0.17	-0.24	-0.26	-0.29	-0.35	-0.06	0.00	0.00	0.00	-0.09	-0.17	-0.01
GILBOA___2 23757	34.37	30.02	29.06	27.97	28.12	28.95	33.47	35.48	33.52	31.83	32.27	34.10	36.67	39.45	43.01	44.93	49.48	53.14	58.14	57.63	53.67	46.26	40.33	35.40
	0.37	0.33	0.43	0.39	0.42	0.40	0.36	0.45	0.46	0.38	0.38	0.37	0.43	0.39	0.38	0.31	0.39	0.47	0.58	0.46	0.48	0.32	0.28	0.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.07	-0.10	-0.17	-0.24	-0.26	-0.29	-0.35	-0.06	0.00	0.00	0.00	-0.09	-0.17	-0.01
GILBOA___3 23758	34.37	30.02	29.06	27.97	28.12	28.95	33.47	35.48	33.52	31.83	32.27	34.10	36.67	39.45	43.01	44.93	49.48	53.14	58.14	57.63	53.67	46.26	40.33	35.40
	0.37	0.33	0.43	0.39	0.42	0.40	0.36	0.45	0.46	0.38	0.38	0.37	0.43	0.39	0.38	0.31	0.39	0.47	0.58	0.46	0.48	0.32	0.28	0.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.07	-0.10	-0.17	-0.24	-0.26	-0.29	-0.35	-0.06	0.00	0.00	0.00	-0.09	-0.17	-0.01
GILBOA___4 23759	34.37	30.02	29.06	27.97	28.12	28.95	33.47	35.48	33.52	31.83	32.27	34.10	36.67	39.45	43.01	44.93	49.48	53.14	58.14	57.63	53.67	46.26	40.33	35.40
	0.37	0.33	0.43	0.39	0.42	0.40	0.36	0.45	0.46	0.38	0.38	0.37	0.43	0.39	0.38	0.31	0.39	0.47	0.58	0.46	0.48	0.32	0.28	0.28
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.07	-0.10	-0.17	-0.24	-0.26	-0.29	-0.35	-0.06	0.00	0.00	0.00	-0.09	-0.17	-0.01



GILBOA____ 23599	34.37 0.37 0.00	30.02 0.33 0.00	29.06 0.43 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.95 0.40 0.00	33.47 0.36 0.00	35.49 0.46 0.00	33.52 0.46 0.00	31.82 0.38 -0.07	32.27 0.38 -0.07	34.10 0.37 -0.10	36.67 0.43 -0.17	39.45 0.39 -0.24	43.01 0.38 -0.26	44.93 0.31 -0.29	49.48 0.39 -0.35	53.14 0.47 -0.06	58.14 0.58 0.00	57.69 0.51 0.00	53.72 0.53 0.00	46.25 0.32 -0.09	40.41 0.36 -0.17	35.41 0.28 -0.01
GINNA____ 23603	32.84 -1.16 0.00	28.71 -0.98 0.00	27.57 -1.06 0.00	26.53 -1.05 0.00	26.62 -1.08 0.00	27.47 -1.09 0.00	31.55 -1.56 0.00	33.28 -1.75 0.00	31.44 -1.62 0.00	30.06 -1.32 0.00	30.68 -1.14 0.00	32.52 -1.11 0.00	34.84 -1.23 0.00	37.73 -1.09 0.00	41.26 -1.10 0.00	43.44 -0.89 0.00	47.57 -1.17 0.00	51.34 -1.26 0.00	55.61 -1.96 0.00	55.46 -1.71 0.00	51.49 -1.70 0.00	44.75 -1.10 0.00	39.24 -0.64 0.00	34.34 -0.77 0.00
GLEN PARK____ 23778	35.87 1.87 0.00	31.11 1.43 0.00	29.89 1.26 0.00	28.79 1.21 0.00	29.01 1.30 0.00	29.95 1.40 0.00	34.76 1.65 0.00	36.78 1.75 0.00	34.35 1.29 0.00	32.57 1.19 0.00	32.96 1.14 0.00	34.81 1.18 0.00	37.18 1.12 0.00	40.22 1.40 0.00	43.68 1.31 0.00	45.92 1.59 0.00	50.40 1.66 0.00	54.39 1.79 0.00	60.27 2.71 0.00	60.43 3.26 0.00	56.54 3.35 0.00	48.92 3.07 0.00	42.03 2.15 0.00	36.86 1.75 0.00
GLENDALE_27_KV_LOAD 356172	35.53 1.53 0.00	31.00 1.31 0.00	29.81 1.17 0.00	28.68 1.10 0.00	28.84 1.14 0.00	29.58 1.03 0.00	34.56 1.46 0.00	36.82 1.79 0.00	34.88 1.82 0.00	33.57 1.85 -0.34	33.91 1.78 -0.31	35.89 1.78 -0.48	38.92 2.06 -0.81	42.04 2.06 -1.16	45.82 2.20 -1.25	47.76 2.04 -1.39	52.46 2.05 -1.67	54.74 1.84 -0.30	59.47 1.90 0.00	58.78 1.60 0.00	54.68 1.49 0.00	47.77 1.51 -0.40	42.48 1.79 -0.81	36.69 1.51 -0.07
GLENWOOD_IC_1_G5 23712	35.60 1.60 0.00	30.94 1.25 0.00	29.75 1.12 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.70 1.14 0.00	34.69 1.59 0.00	37.03 2.00 0.00	34.94 1.88 0.00	33.41 1.69 -0.34	33.98 1.85 -0.31	36.13 2.02 -0.48	39.07 2.20 -0.81	42.04 2.06 -1.16	45.31 1.69 -1.25	47.45 1.73 -1.39	52.17 1.75 -1.67	54.69 1.79 -0.30	59.87 2.30 0.00	58.83 1.66 0.00	54.73 1.54 -0.40	47.72 1.47 -0.81	42.40 1.71 -0.81	36.69 1.51 -0.07
GLENWOOD_IC_2_G1 23688	35.40 1.39 -0.01	30.79 1.10 0.00	29.61 0.97 0.00	28.44 0.86 0.00	28.62 0.91 0.00	29.53 0.97 0.00	34.53 1.42 0.00	36.82 1.79 0.00	34.74 1.68 0.00	33.26 1.54 -0.34	33.78 1.65 -0.31	35.86 1.75 -0.48	38.74 1.87 -0.81	41.77 1.79 -1.16	45.18 1.57 -1.25	47.27 1.55 -1.39	52.02 1.61 -1.67	54.74 1.84 -0.30	59.81 2.24 0.00	58.77 1.60 0.00	54.78 1.59 0.00	47.53 1.28 -0.40	41.80 1.12 -0.81	36.37 1.19 -0.07
GLENWOOD_IC_3_G1 23689	35.40 1.39 -0.01	30.79 1.10 0.00	29.61 0.97 0.00	28.44 0.86 0.00	28.62 0.91 0.00	29.53 0.97 0.00	34.53 1.42 0.00	36.82 1.79 0.00	34.74 1.68 0.00	33.26 1.54 -0.34	33.78 1.65 -0.31	35.86 1.75 -0.48	38.74 1.87 -0.81	41.77 1.79 -1.16	45.18 1.57 -1.25	47.27 1.55 -1.39	52.02 1.61 -1.67	54.74 1.84 -0.30	59.81 2.24 0.00	58.77 1.60 0.00	54.78 1.59 0.00	47.53 1.28 -0.40	41.80 1.12 -0.81	36.37 1.19 -0.07
GLENWOOD____4 23550	35.60 1.60 0.00	30.94 1.25 0.00	29.75 1.12 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.70 1.14 0.00	34.69 1.59 0.00	37.03 2.00 0.00	34.94 1.88 0.00	33.41 1.69 -0.34	33.98 1.85 -0.31	36.13 2.02 -0.48	39.07 2.20 -0.81	42.04 2.06 -1.16	45.31 1.69 -1.25	47.45 1.73 -1.39	52.17 1.75 -1.67	54.85 1.95 -0.30	59.98 2.42 0.00	59.00 1.83 0.00	54.89 1.70 0.00	47.72 1.47 -0.40	42.40 1.71 -0.81	36.69 1.51 -0.07
GLENWOOD____5 23614	35.60 1.60 0.00	30.94 1.25 0.00	29.75 1.12 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.70 1.14 0.00	34.69 1.59 0.00	37.03 2.00 0.00	34.94 1.88 0.00	33.41 1.69 -0.34	33.98 1.85 -0.31	36.13 2.02 -0.48	39.07 2.20 -0.81	42.04 2.06 -1.16	45.31 1.69 -1.25	47.45 1.73 -1.39	52.17 1.75 -1.67	54.85 1.95 -0.30	59.98 2.42 0.00	59.00 1.83 0.00	54.89 1.70 0.00	47.72 1.47 -0.40	42.40 1.71 -0.81	36.69 1.51 -0.07
GLOBAL GREEN_PORT_GT1 23814	37.37 3.37 -0.01	31.92 2.23 0.00	30.64 2.00 0.00	29.04 1.46 0.00	29.20 1.50 0.00	30.64 2.08 0.00	35.79 2.68 0.00	38.46 3.43 0.00	36.10 3.04 0.00	34.01 2.29 -0.34	34.55 2.42 -0.31	36.83 2.72 -0.48	39.58 2.71 -0.81	42.54 2.56 -1.16	45.35 1.74 -1.25	47.71 2.00 -1.39	52.22 1.80 -1.67	55.85 2.94 -0.30	62.57 5.01 0.00	59.75 2.58 0.00	56.06 2.87 0.00	47.63 1.37 -0.40	42.00 1.31 -0.81	37.25 2.07 -0.07
GLOBE____DSASP 323697	33.59 -0.41 0.00	29.54 -0.15 0.00	28.35 -0.29 0.00	27.75 0.17 0.00	27.32 -0.39 0.00	28.10 -0.46 0.00	31.85 -1.26 0.00	33.14 -1.89 0.00	31.44 -1.62 0.00	30.22 -1.16 0.00	30.93 -0.89 0.00	32.86 -0.77 0.00	35.05 -1.01 0.00	37.93 -0.89 0.00	41.56 -0.80 0.00	43.61 -0.71 0.00	47.91 -0.83 0.00	51.44 -1.16 0.00	55.44 -2.13 0.00	55.46 -1.72 0.00	51.17 -2.02 0.00	45.07 -0.78 0.00	39.48 -0.40 0.00	35.92 0.81 0.00
GOETHSLN____LBMP 323567	35.02 1.02 0.00	30.55 0.86 0.00	29.41 0.77 0.00	28.32 0.74 0.00	28.48 0.78 0.00	29.30 0.74 0.00	34.26 1.16 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.22 1.51 -0.34	33.66 1.53 -0.31	35.66 1.55 -0.48	38.64 1.77 -0.81	41.73 1.75 -1.16	45.35 1.74 -1.25	47.36 1.64 -1.39	52.07 1.66 -1.67	54.53 1.63 -0.30	59.24 1.67 0.00	58.55 1.37 0.00	54.36 1.17 0.00	47.49 1.24 -0.40	42.00 1.32 -0.80	36.16 0.98 -0.07
GOLAH____69_KV_TB 1_2 80279	34.71 0.71 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.09 0.39 0.00	28.98 0.43 0.00	33.17 0.07 0.00	34.82 -0.21 0.00	32.89 -0.17 0.00	31.47 0.09 0.00	32.17 0.35 0.00	34.13 0.50 0.00	36.50 0.43 0.00	39.56 0.74 0.00	43.38 1.02 0.00	45.61 1.29 0.00	49.86 1.12 0.00	53.76 1.16 0.00	58.26 0.69 0.00	58.26 1.09 0.00	54.04 0.85 0.00	47.18 1.33 0.00	41.00 1.12 0.00	36.48 1.37 0.00
GOODYEAR_LAKE_HYD 323669	35.19 1.19 0.00	30.73 1.04 0.00	29.61 0.97 0.00	28.49 0.91 0.00	28.67 0.97 0.00	29.58 1.03 0.00	34.30 1.19 0.00	36.33 1.30 0.00	34.18 1.12 0.00	32.38 1.00 0.00	32.81 0.99 0.00	34.74 1.11 0.00	37.29 1.23 0.00	40.18 1.36 0.00	43.76 1.40 0.00	45.83 1.51 0.00	50.44 1.71 0.00	54.55 1.95 0.00	59.87 2.30 0.00	59.58 2.40 0.00	55.42 2.23 0.00	47.73 1.88 0.00	41.40 1.52 0.00	36.37 1.26 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	34.37 0.37 0.00	30.05 0.36 0.00	28.92 0.29 0.00	27.80 0.22 0.00	27.95 0.25 0.00	28.81 0.26 0.00	33.27 0.17 0.00	35.07 0.04 0.00	33.16 0.10 0.00	31.59 0.16 -0.05	32.12 0.25 -0.05	34.04 0.34 -0.08	36.55 0.36 -0.13	39.47 0.47 -0.18	43.07 0.51 -0.19	45.12 0.58 -0.22	49.58 0.58 -0.26	53.33 0.68 -0.05	58.20 0.63 0.00	57.97 0.80 0.00	53.72 0.53 0.00	46.55 0.64 -0.06	40.53 0.52 -0.13	35.68 0.56 -0.01



GOUDEY___7 23579	34.37 0.37 0.00	30.05 0.36 0.00	28.92 0.29 0.00	27.80 0.22 0.00	27.95 0.25 0.00	28.81 0.26 0.00	33.27 0.17 0.00	35.07 0.04 0.00	33.16 0.10 0.00	31.59 0.16 -0.05	32.12 0.25 -0.05	34.04 0.34 -0.08	36.55 0.36 -0.13	39.47 0.47 -0.18	43.07 0.51 -0.19	45.12 0.58 -0.22	49.58 0.58 -0.26	53.33 0.68 -0.05	58.20 0.63 0.00	57.97 0.80 0.00	53.72 0.53 0.00	46.55 0.64 -0.06	40.53 0.52 -0.13	35.68 0.56 -0.01
GOUDEY___8 23580	34.37 0.37 0.00	30.05 0.36 0.00	28.92 0.29 0.00	27.80 0.22 0.00	27.95 0.25 0.00	28.81 0.26 0.00	33.27 0.17 0.00	35.07 0.04 0.00	33.16 0.10 0.00	31.59 0.16 -0.05	32.12 0.25 -0.05	34.04 0.34 -0.08	36.55 0.36 -0.13	39.47 0.47 -0.18	43.07 0.51 -0.19	45.12 0.58 -0.22	49.58 0.58 -0.26	53.33 0.68 -0.05	58.20 0.63 0.00	57.97 0.80 0.00	53.72 0.53 0.00	46.55 0.64 -0.06	40.53 0.52 -0.13	35.68 0.56 -0.01
GOWANUS_GT1_1 24077	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT1_2 24078	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT1_3 24079	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT1_4 24080	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT1_5 24084	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT1_6 24111	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT1_7 24112	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT1_8 24113	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT2_1 24114	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT2_2 24115	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT2_3 24116	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT2_4 24117	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT2_5 24118	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08



GOWANUS_GT2_6 24119	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT2_7 24120	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT2_8 24121	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT3_1 24122	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT3_2 24123	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT3_3 24124	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT3_4 24125	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT3_5 24126	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT3_6 24127	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT3_7 24128	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT3_8 24129	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
GOWANUS_GT4_1 24130	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT4_2 24131	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT4_3 24132	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT4_4 24133	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07



GOWANUS_GT4_5 24134	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT4_6 24135	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT4_7 24136	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GOWANUS_GT4_8 24137	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GREATVR_69_KV_BK1 356245	36.72 2.72 0.00	31.59 1.90 0.00	30.32 1.69 0.00	28.88 1.30 0.00	29.09 1.39 0.00	30.38 1.83 0.00	35.55 2.45 0.00	38.04 3.01 0.00	35.77 2.71 0.00	33.95 2.23 -0.34	34.52 2.39 -0.31	36.77 2.66 -0.48	39.61 2.74 -0.81	42.46 2.48 -1.16	45.18 1.57 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	55.74 2.84 -0.30	61.83 4.26 0.00	60.20 3.03 0.00	56.06 2.87 0.00	47.99 1.74 -0.40	43.08 2.39 -0.81	37.43 2.25 -0.07
GREENBSH_115KV_TB3 55895	34.03 0.03 0.00	29.75 0.06 0.00	28.80 0.17 0.00	27.72 0.14 0.00	27.84 0.14 0.00	28.61 0.06 0.00	33.17 0.07 0.00	35.14 0.11 0.00	33.16 0.10 0.00	31.12 0.00 0.26	31.55 -0.03 0.24	33.16 -0.10 0.37	35.31 -0.14 0.61	37.67 -0.27 0.88	41.07 -0.34 0.95	42.82 -0.44 1.06	47.08 -0.39 1.27	52.11 -0.26 0.23	57.34 -0.23 0.00	56.89 -0.29 0.00	53.08 -0.11 0.00	45.22 -0.32 0.31	39.11 -0.16 0.61	34.81 -0.25 0.05
GREENDGE_115KV_TB5 80291	34.68 0.68 0.00	30.31 0.62 0.00	29.12 0.49 0.00	27.99 0.41 0.00	28.09 0.39 0.00	29.01 0.46 0.00	33.44 0.33 0.00	35.14 0.11 0.00	33.16 0.10 0.00	31.56 0.19 0.00	32.17 0.35 0.00	34.10 0.47 0.00	36.53 0.47 0.00	39.52 0.70 0.00	43.21 0.85 0.00	45.30 0.98 0.00	49.42 0.68 0.00	53.49 0.89 0.00	58.43 0.86 0.00	58.38 1.20 0.00	54.04 0.85 0.00	47.13 1.28 0.00	40.92 1.04 0.00	36.16 1.05 0.00
GREENIDGE___3 23582	34.68 0.68 0.00	30.31 0.62 0.00	29.12 0.49 0.00	27.99 0.41 0.00	28.09 0.39 0.00	29.01 0.46 0.00	33.44 0.33 0.00	35.14 0.11 0.00	33.16 0.10 0.00	31.56 0.19 0.00	32.17 0.35 0.00	34.10 0.47 0.00	36.53 0.47 0.00	39.52 0.70 0.00	43.21 0.85 0.00	45.30 0.98 0.00	49.42 0.68 0.00	53.49 0.89 0.00	58.43 0.86 0.00	58.38 1.20 0.00	54.04 0.85 0.00	47.13 1.28 0.00	40.92 1.04 0.00	36.16 1.05 0.00
GREENIDGE___4 23583	34.68 0.68 0.00	30.31 0.62 0.00	29.12 0.49 0.00	27.99 0.41 0.00	28.09 0.39 0.00	29.04 0.48 0.00	33.44 0.33 0.00	35.14 0.11 0.00	33.16 0.10 0.00	31.57 0.19 0.00	32.17 0.35 0.00	34.10 0.47 0.00	36.53 0.47 0.00	39.56 0.74 0.00	43.21 0.85 0.00	45.39 1.06 0.00	49.42 0.68 0.00	53.49 0.89 0.00	58.43 0.86 0.00	58.43 1.26 0.00	54.04 0.85 0.00	46.86 1.01 0.00	41.32 1.43 0.00	36.16 1.05 0.00
GREENLWN_69_KV_BK 3 55738	35.77 1.77 0.00	30.91 1.22 0.00	29.69 1.06 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.70 1.14 0.00	34.76 1.66 0.00	37.17 2.14 0.00	34.97 1.92 0.00	33.32 1.60 -0.34	33.91 1.78 -0.31	36.13 2.02 -0.48	39.00 2.13 -0.81	41.69 1.71 -1.16	44.21 0.59 -1.25	46.34 0.62 -1.39	50.90 0.49 -1.67	54.17 1.26 -0.30	59.70 2.13 0.00	58.26 1.09 0.00	54.25 1.06 0.00	46.67 0.41 -0.40	42.12 1.44 -0.81	36.69 1.51 -0.07
GREENWD_138_KV_38B11_REV_LBMP_J 345004	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07
GRISSOM___SOLAR 323813	35.80 1.80 0.00	31.23 1.54 0.00	30.15 1.52 0.00	28.99 1.41 0.00	29.20 1.50 0.00	30.15 1.60 0.00	35.02 1.92 0.00	36.75 1.72 0.00	34.11 1.06 0.00	31.60 0.41 0.19	31.68 0.03 0.17	33.26 -0.10 0.26	35.62 0.00 0.44	38.26 0.08 0.64	41.89 0.21 0.69	44.18 0.62 0.76	49.14 1.32 0.92	54.69 2.26 0.17	60.73 3.16 0.00	60.78 3.60 0.00	56.75 3.56 0.00	48.42 2.80 0.22	41.71 2.27 0.44	37.00 1.93 0.04
GROVEVILLE___HYD 323602	35.12 1.12 0.00	30.64 0.95 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.26 1.16 0.00	36.40 1.37 0.00	34.31 1.26 0.00	32.85 1.19 -0.28	33.28 1.21 -0.25	35.10 1.08 -0.39	37.95 1.23 -0.66	40.97 1.20 -0.95	44.62 1.23 -1.02	46.66 1.20 -1.14	51.42 1.32 -1.37	54.37 1.53 -0.25	59.29 1.73 0.00	58.66 1.49 0.00	55.00 1.81 0.00	47.60 1.42 -0.33	41.94 1.40 -0.66	36.25 1.09 -0.06
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	33.86 -0.14 0.00	29.57 -0.12 0.00	28.49 -0.14 0.00	27.41 -0.17 0.00	27.54 -0.17 0.00	28.38 -0.17 0.00	32.87 -0.23 0.00	34.75 -0.28 0.00	32.83 -0.23 0.00	31.22 -0.16 0.00	31.72 -0.10 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.82 0.00 0.00	42.41 0.04 0.00	44.41 0.09 0.00	48.79 0.05 0.00	52.65 0.05 0.00	57.51 -0.06 0.00	57.29 0.11 0.00	53.19 0.00 0.00	45.99 0.14 0.00	39.88 0.00 0.00	35.11 0.00 0.00
HAMLTNNY_34_KV_TB 80303	34.07 0.07 0.00	29.75 0.06 0.00	28.63 0.00 0.00	27.55 -0.03 0.00	27.68 -0.03 0.00	28.53 -0.03 0.00	33.01 -0.10 0.00	34.85 -0.18 0.00	32.92 -0.13 0.00	31.31 -0.06 0.00	31.85 0.03 0.00	33.73 0.10 0.00	36.17 0.11 0.00	39.05 0.23 0.00	42.66 0.30 0.00	44.68 0.35 0.00	49.03 0.29 0.00	52.97 0.37 0.00	57.80 0.23 0.00	57.57 0.40 0.00	53.46 0.27 0.00	46.26 0.41 0.00	40.16 0.28 0.00	35.39 0.28 0.00



HAMPSHIRE___PAPER_HYD 323593	35.16 1.16 0.00	30.49 0.80 0.00	29.38 0.74 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.50 0.94 0.00	34.23 1.13 0.00	36.22 1.19 0.00	33.98 0.92 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.57 0.94 0.00	37.00 0.94 0.00	39.95 1.13 0.00	43.55 1.18 0.00	45.65 1.33 0.00	50.00 1.27 0.00	53.71 1.11 0.00	59.01 1.44 0.00	58.66 1.48 0.00	54.78 1.59 0.00	47.45 1.60 0.00	41.12 1.24 0.00	36.27 1.16 0.00
HARDSCRABBLE_WT_PWR 323673	33.45 -0.55 0.00	29.18 -0.50 0.00	28.12 -0.51 0.00	27.08 -0.50 0.00	27.23 -0.47 0.00	28.10 -0.46 0.00	32.64 -0.46 0.00	34.65 -0.38 0.00	32.73 -0.33 0.00	31.09 -0.28 0.00	31.56 -0.26 0.00	33.40 -0.23 0.00	35.81 -0.25 0.00	38.59 -0.23 0.00	42.07 -0.29 0.00	44.02 -0.31 0.00	48.35 -0.39 0.00	52.18 -0.42 0.00	57.10 -0.46 0.00	56.60 -0.57 0.00	52.55 -0.64 0.00	45.25 -0.60 0.00	39.32 -0.56 0.00	34.65 -0.46 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	34.99 0.99 0.00	30.52 0.83 0.00	29.41 0.77 0.00	28.27 0.69 0.00	28.45 0.75 0.00	29.30 0.74 0.00	34.13 1.03 0.00	36.29 1.26 0.00	34.31 1.26 0.00	32.90 1.22 -0.30	33.33 1.24 -0.27	35.33 1.28 -0.43	38.25 1.48 -0.71	41.32 1.48 -1.02	44.95 1.48 -1.11	47.02 1.46 -1.23	51.77 1.56 -1.48	54.66 1.79 -0.27	59.58 2.01 0.00	58.95 1.77 0.00	54.89 1.70 0.00	47.49 1.28 -0.36	41.87 1.28 -0.71	36.15 0.98 -0.06
HARSNRAD_115KV_TB1 81005	34.54 0.54 0.00	30.37 0.68 0.00	29.15 0.52 0.00	27.77 0.19 0.00	28.09 0.39 0.00	28.93 0.37 0.00	32.61 -0.50 0.00	33.84 -1.19 0.00	32.07 -0.99 0.00	30.84 -0.53 0.00	31.57 -0.25 0.00	33.56 -0.07 0.00	35.81 -0.25 0.00	38.82 0.00 0.00	42.53 0.17 0.00	44.68 0.35 0.00	49.08 0.34 0.00	52.76 0.16 0.00	56.93 -0.63 0.00	56.95 -0.23 0.00	52.55 -0.64 0.00	46.21 0.37 0.00	40.44 0.56 0.00	36.20 1.09 0.00
HARZA MOOSE___RIVER 24016	35.09 1.09 0.00	30.37 0.68 0.00	29.26 0.63 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.24 0.69 0.00	33.97 0.86 0.00	35.98 0.95 0.00	33.82 0.76 0.00	32.16 0.78 0.00	32.58 0.76 0.00	34.44 0.81 0.00	36.86 0.79 0.00	39.79 0.97 0.00	43.38 1.02 0.00	45.48 1.15 0.00	49.91 1.17 0.00	53.81 1.21 0.00	59.29 1.73 0.00	58.89 1.72 0.00	54.89 1.70 0.00	47.36 1.51 0.00	40.84 0.96 0.00	35.92 0.81 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	33.66 -0.34 0.00	29.39 -0.30 0.00	28.32 -0.31 0.00	27.28 -0.30 0.00	27.40 -0.30 0.00	28.21 -0.34 0.00	32.67 -0.43 0.00	34.54 -0.49 0.00	32.63 -0.43 0.00	31.03 -0.35 0.00	31.53 -0.29 0.00	33.36 -0.27 0.00	35.78 -0.29 0.00	38.63 -0.19 0.00	42.15 -0.21 0.00	44.15 -0.18 0.00	48.49 -0.24 0.00	52.28 -0.32 0.00	57.11 -0.46 0.00	56.83 -0.34 0.00	52.76 -0.43 0.00	45.66 -0.18 0.00	39.64 -0.24 0.00	34.90 -0.21 0.00
HELLGATE_13_KV_LD 55870	35.56 1.56 0.00	31.03 1.34 0.00	29.86 1.23 0.00	28.71 1.13 0.00	28.90 1.19 0.00	29.61 1.06 0.00	34.56 1.46 0.00	36.82 1.79 0.00	34.84 1.79 0.00	33.57 1.85 -0.34	33.91 1.78 -0.31	35.86 1.75 -0.48	38.92 2.06 -0.81	42.04 2.06 -1.16	45.82 2.20 -1.25	47.71 1.99 -1.39	52.41 2.00 -1.67	54.64 1.74 -0.30	59.35 1.78 0.00	58.66 1.49 0.00	54.57 1.38 0.00	47.72 1.47 -0.40	42.44 1.75 -0.81	36.72 1.54 -0.07
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	35.56 1.56 0.00	31.03 1.34 0.00	29.86 1.23 0.00	28.71 1.13 0.00	28.90 1.19 0.00	29.61 1.06 0.00	34.56 1.46 0.00	36.82 1.79 0.00	34.84 1.79 0.00	33.57 1.85 -0.34	33.91 1.78 -0.31	35.86 1.75 -0.48	38.92 2.06 -0.81	42.04 2.06 -1.16	45.82 2.20 -1.25	47.71 1.99 -1.39	52.41 2.00 -1.67	54.64 1.74 -0.30	59.35 1.78 0.00	58.66 1.49 0.00	54.57 1.38 0.00	47.72 1.47 -0.40	42.44 1.75 -0.81	36.72 1.54 -0.07
HEMPSTEAD____ 23647	35.67 1.67 -0.01	30.91 1.22 0.00	29.69 1.06 0.00	28.44 0.86 0.00	28.62 0.91 0.00	29.67 1.11 0.00	34.73 1.62 0.00	37.06 2.03 0.00	34.91 1.85 0.00	33.32 1.60 -0.34	33.91 1.78 -0.31	36.06 1.95 -0.48	38.85 1.98 -0.81	41.73 1.75 -1.16	44.80 1.18 -1.25	46.96 1.24 -1.39	51.63 1.22 -1.67	54.59 1.68 -0.30	59.93 2.36 0.00	58.54 1.37 0.00	54.68 1.49 0.00	47.26 1.01 -0.40	41.64 0.96 -0.81	36.48 1.30 -0.07
HICKLING___1 23621	34.71 0.71 0.00	30.40 0.71 0.00	29.18 0.54 0.00	28.02 0.44 0.00	28.15 0.44 0.00	29.04 0.49 0.00	33.40 0.30 0.00	35.03 0.00 0.00	33.26 0.20 0.00	31.66 0.28 0.00	32.30 0.48 0.00	34.23 0.61 0.00	36.75 0.69 0.00	39.71 0.89 0.00	43.38 1.02 0.00	45.43 1.11 0.00	49.66 0.93 0.00	53.76 1.16 0.00	58.60 1.04 0.00	58.60 1.43 0.00	54.15 0.96 0.00	47.04 1.19 0.00	40.84 0.96 0.00	36.20 1.09 0.00
HICKLING___2 23622	34.71 0.71 0.00	30.40 0.71 0.00	29.18 0.54 0.00	28.02 0.44 0.00	28.15 0.44 0.00	29.04 0.49 0.00	33.40 0.30 0.00	35.03 0.00 0.00	33.26 0.20 0.00	31.66 0.28 0.00	32.30 0.48 0.00	34.23 0.61 0.00	36.75 0.69 0.00	39.71 0.89 0.00	43.38 1.02 0.00	45.43 1.11 0.00	49.66 0.93 0.00	53.76 1.16 0.00	58.60 1.04 0.00	58.60 1.43 0.00	54.15 0.96 0.00	47.04 1.19 0.00	40.84 0.96 0.00	36.20 1.09 0.00
HIGH FALLS___HY 23754	35.09 1.09 0.00	30.61 0.92 0.00	29.49 0.86 0.00	28.35 0.77 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.36 1.33 0.00	34.38 1.32 0.00	32.79 1.22 -0.19	33.23 1.24 -0.17	35.14 1.24 -0.27	37.96 1.44 -0.45	40.91 1.44 -0.65	44.50 1.44 -0.70	46.57 1.46 -0.78	51.28 1.61 -0.94	54.66 1.89 -0.17	59.81 2.25 0.00	59.18 2.00 0.00	55.21 2.02 0.00	47.59 1.51 -0.23	41.77 1.44 -0.45	36.27 1.12 -0.04
HIGH_RIVER___SOLAR 323847	35.06 1.06 0.00	30.61 0.92 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.47 0.91 0.00	34.20 1.09 0.00	36.01 0.98 0.00	33.65 0.60 0.00	31.36 0.19 0.20	31.57 -0.06 0.18	33.24 -0.10 0.29	35.55 -0.04 0.48	38.05 -0.08 0.69	41.57 -0.04 0.75	43.72 0.22 0.83	48.37 0.63 1.00	53.68 1.26 0.18	59.35 1.79 0.00	59.23 2.06 0.00	55.26 2.07 0.00	47.17 1.56 0.24	40.68 1.28 0.48	36.16 1.09 0.04
HILLBURN___GT 23639	34.95 0.95 0.00	30.49 0.80 0.00	29.35 0.72 0.00	28.24 0.66 0.00	28.40 0.69 0.00	29.24 0.68 0.00	34.13 1.03 0.00	36.33 1.30 0.00	34.35 1.29 0.00	32.94 1.26 -0.31	33.38 1.27 -0.28	35.38 1.31 -0.44	38.31 1.51 -0.73	41.35 1.47 -1.05	44.98 1.48 -1.14	47.01 1.42 -1.27	51.77 1.51 -1.52	54.51 1.63 -0.27	59.35 1.79 0.00	58.66 1.48 0.00	54.57 1.38 0.00	47.36 1.15 -0.37	41.61 1.00 -0.73	36.08 0.91 -0.06
HILLSIDE_115KV_TB1 80332	34.34 0.34 0.00	30.08 0.39 0.00	28.86 0.23 0.00	27.75 0.17 0.00	27.87 0.17 0.00	28.75 0.20 0.00	33.10 0.00 0.00	34.71 -0.32 0.00	32.86 -0.20 0.00	31.28 -0.09 0.00	31.92 0.10 0.00	33.83 0.20 0.00	36.28 0.22 0.00	39.17 0.35 0.00	42.79 0.42 0.00	44.81 0.49 0.00	49.18 0.44 0.00	53.23 0.63 0.00	57.97 0.40 0.00	57.92 0.74 0.00	53.56 0.37 0.00	46.49 0.64 0.00	40.40 0.52 0.00	35.78 0.67 0.00



HISHELDN_WT_PWR 323625	34.37 0.37 0.00	30.19 0.50 0.00	28.98 0.34 0.00	27.80 0.22 0.00	27.93 0.22 0.00	28.81 0.26 0.00	32.71 -0.40 0.00	33.98 -1.05 0.00	32.17 -0.89 0.00	30.87 -0.50 0.00	31.63 -0.19 0.00	33.60 -0.03 0.00	35.92 -0.14 0.00	39.01 0.20 0.00	42.66 0.30 0.00	44.86 0.53 0.00	49.18 0.44 0.00	53.02 0.42 0.00	57.45 -0.11 0.00	57.63 0.46 0.00	53.19 0.00 0.00	46.54 0.69 0.00	41.32 1.43 0.00	36.30 1.19 0.00
HOLTSVILLE_IC_1 23690	36.29 2.28 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.98 1.43 0.00	35.12 2.02 0.00	37.66 2.63 0.00	35.37 2.31 0.00	33.51 1.79 -0.34	34.01 1.88 -0.31	36.20 2.09 -0.48	38.82 1.95 -0.81	41.65 1.67 -1.16	44.38 0.76 -1.25	46.60 0.89 -1.39	51.09 0.68 -1.67	54.54 1.63 -0.30	60.73 3.16 0.00	58.60 1.43 0.00	54.94 1.75 0.00	46.94 0.69 -0.40	41.44 0.76 -0.81	36.55 1.37 -0.07
HOLTSVILLE_IC_10 23699	36.46 2.45 -0.01	31.29 1.60 0.00	30.06 1.43 0.00	28.60 1.02 0.00	28.78 1.08 0.00	30.10 1.54 0.00	35.26 2.15 0.00	37.83 2.80 0.00	35.54 2.48 0.00	33.66 1.95 -0.34	34.17 2.04 -0.31	36.40 2.29 -0.48	39.03 2.16 -0.81	41.92 1.94 -1.16	44.68 1.06 -1.25	46.91 1.20 -1.39	51.44 1.03 -1.67	54.95 2.05 -0.30	61.25 3.69 0.00	59.00 1.83 0.00	55.37 2.18 0.00	47.22 0.96 -0.40	41.68 1.00 -0.81	36.72 1.54 -0.07
HOLTSVILLE_IC_2 23691	36.29 2.28 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.98 1.43 0.00	35.12 2.02 0.00	37.66 2.63 0.00	35.37 2.31 0.00	33.51 1.79 -0.34	34.01 1.88 -0.31	36.20 2.09 -0.48	38.82 1.95 -0.81	41.65 1.67 -1.16	44.38 0.76 -1.25	46.60 0.89 -1.39	51.09 0.68 -1.67	54.54 1.63 -0.30	60.73 3.16 0.00	58.60 1.43 0.00	54.94 1.75 0.00	46.94 0.69 -0.40	41.44 0.76 -0.81	36.55 1.37 -0.07
HOLTSVILLE_IC_3 23692	36.29 2.28 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.98 1.43 0.00	35.12 2.02 0.00	37.66 2.63 0.00	35.37 2.31 0.00	33.51 1.79 -0.34	34.01 1.88 -0.31	36.20 2.09 -0.48	38.82 1.95 -0.81	41.65 1.67 -1.16	44.38 0.76 -1.25	46.60 0.89 -1.39	51.09 0.68 -1.67	54.54 1.63 -0.30	60.73 3.16 0.00	58.60 1.43 0.00	54.94 1.75 0.00	46.94 0.69 -0.40	41.44 0.76 -0.81	36.55 1.37 -0.07
HOLTSVILLE_IC_4 23693	36.29 2.28 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.98 1.43 0.00	35.12 2.02 0.00	37.66 2.63 0.00	35.37 2.31 0.00	33.51 1.79 -0.34	34.01 1.88 -0.31	36.20 2.09 -0.48	38.82 1.95 -0.81	41.65 1.67 -1.16	44.38 0.76 -1.25	46.60 0.89 -1.39	51.09 0.68 -1.67	54.54 1.63 -0.30	60.73 3.16 0.00	58.60 1.43 0.00	54.94 1.75 0.00	46.94 0.69 -0.40	41.44 0.76 -0.81	36.55 1.37 -0.07
HOLTSVILLE_IC_5 23694	36.29 2.28 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.98 1.43 0.00	35.12 2.02 0.00	37.66 2.63 0.00	35.37 2.31 0.00	33.51 1.79 -0.34	34.01 1.88 -0.31	36.20 2.09 -0.48	38.82 1.95 -0.81	41.65 1.67 -1.16	44.38 0.76 -1.25	46.60 0.89 -1.39	51.09 0.68 -1.67	54.54 1.63 -0.30	60.73 3.16 0.00	58.60 1.43 0.00	54.94 1.75 0.00	46.94 0.69 -0.40	41.44 0.76 -0.81	36.55 1.37 -0.07
HOLTSVILLE_IC_6 23695	36.46 2.45 -0.01	31.29 1.60 0.00	30.06 1.43 0.00	28.60 1.02 0.00	28.78 1.08 0.00	30.10 1.54 0.00	35.26 2.15 0.00	37.83 2.80 0.00	35.54 2.48 0.00	33.66 1.95 -0.34	34.17 2.04 -0.31	36.40 2.29 -0.48	39.03 2.16 -0.81	41.92 1.94 -1.16	44.68 1.06 -1.25	46.91 1.20 -1.39	51.44 1.03 -1.67	54.95 2.05 -0.30	61.25 3.69 0.00	59.00 1.83 0.00	55.37 2.18 0.00	47.22 0.96 -0.40	41.68 1.00 -0.81	36.72 1.54 -0.07
HOLTSVILLE_IC_7 23696	36.46 2.45 -0.01	31.29 1.60 0.00	30.06 1.43 0.00	28.60 1.02 0.00	28.78 1.08 0.00	30.10 1.54 0.00	35.26 2.15 0.00	37.83 2.80 0.00	35.54 2.48 0.00	33.66 1.95 -0.34	34.17 2.04 -0.31	36.40 2.29 -0.48	39.03 2.16 -0.81	41.92 1.94 -1.16	44.68 1.06 -1.25	46.91 1.20 -1.39	51.44 1.03 -1.67	54.95 2.05 -0.30	61.25 3.69 0.00	59.00 1.83 0.00	55.37 2.18 0.00	47.22 0.96 -0.40	41.68 1.00 -0.81	36.72 1.54 -0.07
HOLTSVILLE_IC_8 23697	36.46 2.45 -0.01	31.29 1.60 0.00	30.06 1.43 0.00	28.60 1.02 0.00	28.78 1.08 0.00	30.10 1.54 0.00	35.26 2.15 0.00	37.83 2.80 0.00	35.54 2.48 0.00	33.66 1.95 -0.34	34.17 2.04 -0.31	36.40 2.29 -0.48	39.03 2.16 -0.81	41.92 1.94 -1.16	44.68 1.06 -1.25	46.91 1.20 -1.39	51.44 1.03 -1.67	54.95 2.05 -0.30	61.25 3.69 0.00	59.00 1.83 0.00	55.37 2.18 0.00	47.22 0.96 -0.40	41.68 1.00 -0.81	36.72 1.54 -0.07
HOLTSVILLE_IC_9 23698	36.46 2.45 -0.01	31.29 1.60 0.00	30.06 1.43 0.00	28.60 1.02 0.00	28.78 1.08 0.00	30.10 1.54 0.00	35.26 2.15 0.00	37.83 2.80 0.00	35.54 2.48 0.00	33.66 1.95 -0.34	34.17 2.04 -0.31	36.40 2.29 -0.48	39.03 2.16 -0.81	41.92 1.94 -1.16	44.68 1.06 -1.25	46.91 1.20 -1.39	51.44 1.03 -1.67	54.95 2.05 -0.30	61.25 3.69 0.00	59.00 1.83 0.00	55.37 2.18 0.00	47.22 0.96 -0.40	41.68 1.00 -0.81	36.72 1.54 -0.07
HOMER_HL_115KV_TB2 355744	34.17 0.17 0.00	29.99 0.30 0.00	28.69 0.06 0.00	27.55 -0.03 0.00	27.70 0.00 0.00	28.64 0.09 0.00	32.67 -0.43 0.00	34.05 -0.98 0.00	32.30 -0.76 0.00	31.09 -0.28 0.00	31.85 0.03 0.00	33.86 0.24 0.00	36.28 0.22 0.00	39.32 0.50 0.00	43.00 0.64 0.00	45.12 0.80 0.00	49.57 0.83 0.00	53.39 0.79 0.00	57.85 0.29 0.00	57.92 0.74 0.00	53.24 0.05 0.00	46.49 0.64 0.00	40.48 0.60 0.00	36.16 1.05 0.00
HOWARD_WT_PWR 323690	34.88 0.88 0.00	30.52 0.83 0.00	29.29 0.66 0.00	28.10 0.52 0.00	28.18 0.47 0.00	29.10 0.54 0.00	33.30 0.20 0.00	34.65 -0.38 0.00	32.63 -0.43 0.00	31.16 -0.22 0.00	31.85 0.03 0.00	33.83 0.20 0.00	36.28 0.22 0.00	39.32 0.50 0.00	43.00 0.64 0.00	45.16 0.84 0.00	49.32 0.59 0.00	53.44 0.84 0.00	58.26 0.69 0.00	58.54 1.37 0.00	54.04 0.85 0.00	46.90 1.06 0.00	41.44 1.55 0.00	36.27 1.16 0.00
HQ_GEN_CEDARS 23644	34.88 0.88 0.00	30.40 0.71 0.00	29.35 0.72 0.00	28.32 0.74 0.00	28.48 0.78 0.00	29.41 0.86 0.00	34.13 1.03 0.00	36.05 1.02 0.00	33.92 0.86 0.00	32.22 0.85 0.00	32.65 0.83 0.00	34.50 0.87 0.00	36.97 0.90 0.00	39.83 1.01 0.00	43.51 1.14 0.00	45.52 1.20 0.00	49.96 1.22 0.00	53.70 1.10 0.00	58.78 1.21 0.00	58.38 1.20 0.00	54.41 1.22 0.00	47.09 1.24 0.00	40.96 1.08 0.00	36.16 1.05 0.00
HQ_GEN_CEDARS_PROXY 323590	34.88 0.88 0.00	30.40 0.71 0.00	29.35 0.72 0.00	28.32 0.74 0.00	28.48 0.77 0.00	29.41 0.86 0.00	34.13 1.03 0.00	36.05 1.02 0.00	33.92 0.86 0.00	32.22 0.85 0.00	32.65 0.83 0.00	34.50 0.87 0.00	36.97 0.90 0.00	39.83 1.01 0.00	43.51 1.14 0.00	45.44 1.20 0.08	50.04 1.22 -0.08	53.71 1.11 0.00	58.72 1.15 0.00	58.38 1.20 0.00	54.41 1.22 0.00	47.09 1.24 0.00	40.96 1.08 0.00	36.16 1.05 0.00



HQ_GEN_IMPORT 323601	34.24 0.24 0.00	29.90 0.21 0.00	28.83 0.20 0.00	27.80 0.22 0.00	27.90 0.20 0.00	28.78 0.23 0.00	33.40 0.30 0.00	35.31 0.28 0.00	33.29 0.23 0.00	31.63 0.25 0.00	32.07 0.25 0.00	33.87 0.24 0.00	36.32 0.25 0.00	39.09 0.27 0.00	42.70 0.34 0.00	44.60 0.35 0.08	49.21 0.39 -0.08	52.92 0.32 0.00	57.91 0.35 0.00	57.52 0.35 0.00	53.51 0.32 0.00	46.17 0.32 0.00	40.16 0.28 0.00	35.39 0.28 0.00
HQ_GEN_WHEEL 23651	34.24 0.24 0.00	29.90 0.21 0.00	28.83 0.20 0.00	27.80 0.22 0.00	27.90 0.20 0.00	28.78 0.23 0.00	33.40 0.30 0.00	35.31 0.28 0.00	33.29 0.23 0.00	31.63 0.25 0.00	32.07 0.25 0.00	33.87 0.24 0.00	36.32 0.25 0.00	39.09 0.27 0.00	42.70 0.34 0.00	44.60 0.35 0.08	49.21 0.39 -0.08	52.92 0.32 0.00	57.91 0.35 0.00	57.52 0.35 0.00	53.51 0.32 0.00	46.17 0.32 0.00	40.16 0.28 0.00	35.39 0.28 0.00
HUDSON AVE_GT_3 23810	35.26 1.26 0.00	30.76 1.07 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.47 0.91 0.00	34.46 1.36 0.00	36.78 1.75 0.00	34.81 1.75 0.00	33.41 1.69 -0.34	33.82 1.69 -0.31	35.86 1.75 -0.48	38.85 1.98 -0.81	41.96 1.98 -1.16	45.61 1.99 -1.25	47.62 1.91 -1.39	52.41 2.00 -1.67	54.90 2.00 -0.30	59.70 2.13 0.00	58.95 1.77 0.00	54.79 1.60 0.00	47.77 1.51 -0.40	42.24 1.56 -0.80	36.41 1.23 -0.07
HUDSON AVE_GT_4 23540	35.26 1.26 0.00	30.76 1.07 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.47 0.91 0.00	34.46 1.36 0.00	36.78 1.75 0.00	34.81 1.75 0.00	33.41 1.69 -0.34	33.82 1.69 -0.31	35.86 1.75 -0.48	38.85 1.98 -0.81	41.96 1.98 -1.16	45.61 1.99 -1.25	47.62 1.91 -1.39	52.41 2.00 -1.67	54.90 2.00 -0.30	59.70 2.13 0.00	58.95 1.77 0.00	54.79 1.60 0.00	47.77 1.51 -0.40	42.24 1.56 -0.80	36.41 1.23 -0.07
HUDSON AVE_GT_5 23657	35.26 1.26 0.00	30.76 1.07 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.47 0.91 0.00	34.46 1.36 0.00	36.78 1.75 0.00	34.81 1.75 0.00	33.41 1.69 -0.34	33.82 1.69 -0.31	35.86 1.75 -0.48	38.85 1.98 -0.81	41.96 1.98 -1.16	45.61 1.99 -1.25	47.62 1.91 -1.39	52.41 2.00 -1.67	54.90 2.00 -0.30	59.70 2.13 0.00	58.95 1.77 0.00	54.79 1.60 0.00	47.77 1.51 -0.40	42.24 1.56 -0.80	36.41 1.23 -0.07
HUDSON_AVE_10 24168	35.16 1.16 0.00	30.67 0.98 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.38 0.83 0.00	34.40 1.29 0.00	36.71 1.68 0.00	34.74 1.69 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.45 1.73 -1.39	52.21 1.80 -1.67	54.74 1.84 -0.30	59.47 1.90 0.00	58.78 1.60 0.00	54.63 1.44 0.00	47.58 1.33 -0.40	42.16 1.48 -0.80	36.30 1.12 -0.07
HUDSON___115KV_TB 4 355613	34.61 0.61 0.00	30.25 0.56 0.00	29.29 0.66 0.00	28.16 0.58 0.00	28.31 0.61 0.00	29.10 0.54 0.00	33.77 0.66 0.00	35.66 0.63 0.00	33.52 0.46 0.00	31.62 0.41 0.17	31.99 0.32 0.15	33.63 0.24 0.24	35.92 0.25 0.40	38.44 0.19 0.57	41.96 0.21 0.62	43.86 0.22 0.68	48.40 0.49 0.82	53.29 0.84 0.15	58.49 0.92 0.00	58.20 1.03 0.00	54.41 1.22 0.00	46.57 0.92 0.20	40.36 0.88 0.40	35.71 0.63 0.03
HUNTER MOUNT___DRP 323613	34.68 0.68 0.00	30.31 0.62 0.00	29.35 0.72 0.00	28.21 0.63 0.00	28.37 0.66 0.00	29.15 0.60 0.00	33.83 0.73 0.00	35.66 0.63 0.00	33.52 0.46 0.00	31.81 0.53 0.10	32.11 0.38 0.09	33.82 0.34 0.14	36.19 0.36 0.23	38.79 0.31 0.34	42.34 0.34 0.37	44.32 0.40 0.41	48.93 0.68 0.49	53.72 1.21 0.09	58.66 1.09 0.00	58.38 1.20 0.00	54.63 1.44 0.00	46.97 1.24 0.12	40.76 1.12 0.23	35.97 0.88 0.02
HUNTINGTON_RES_REC 323705	36.08 2.07 -0.01	31.09 1.40 0.00	29.83 1.20 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.87 1.31 0.00	34.99 1.89 0.00	37.45 2.42 0.00	35.24 2.18 0.00	33.47 1.76 -0.34	34.04 1.91 -0.31	36.27 2.15 -0.48	39.00 2.13 -0.81	41.77 1.79 -1.16	44.46 0.85 -1.25	46.65 0.93 -1.39	51.19 0.78 -1.67	54.59 1.68 -0.30	60.44 2.88 0.00	58.54 1.37 0.00	54.78 1.59 0.00	46.94 0.69 -0.40	41.48 0.80 -0.81	36.65 1.47 -0.07
HUNTLEY___63 23557	34.58 0.58 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.10 0.52 0.00	28.09 0.39 0.00	28.95 0.40 0.00	32.74 -0.36 0.00	34.05 -0.98 0.00	32.30 -0.76 0.00	31.09 -0.28 0.00	31.85 0.03 0.00	33.86 0.24 0.00	36.17 0.11 0.00	39.21 0.39 0.00	43.00 0.64 0.00	45.17 0.84 0.00	49.57 0.83 0.00	53.28 0.68 0.00	57.51 -0.06 0.00	57.52 0.34 0.00	53.03 -0.16 0.00	46.58 0.73 0.00	40.72 0.84 0.00	36.65 1.54 0.00
HUNTLEY___64 23558	34.58 0.58 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.10 0.52 0.00	28.09 0.39 0.00	28.95 0.40 0.00	32.74 -0.36 0.00	34.05 -0.98 0.00	32.30 -0.76 0.00	31.09 -0.28 0.00	31.85 0.03 0.00	33.86 0.24 0.00	36.17 0.11 0.00	39.21 0.39 0.00	43.00 0.64 0.00	45.17 0.84 0.00	49.57 0.83 0.00	53.28 0.68 0.00	57.51 -0.06 0.00	57.52 0.34 0.00	53.03 -0.16 0.00	46.58 0.73 0.00	40.72 0.84 0.00	36.65 1.54 0.00
HUNTLEY___65 23559	34.58 0.58 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.10 0.52 0.00	28.09 0.39 0.00	28.95 0.40 0.00	32.74 -0.36 0.00	34.05 -0.98 0.00	32.30 -0.76 0.00	31.09 -0.28 0.00	31.85 0.03 0.00	33.86 0.24 0.00	36.17 0.11 0.00	39.21 0.39 0.00	43.00 0.64 0.00	45.17 0.84 0.00	49.57 0.83 0.00	53.28 0.68 0.00	57.51 -0.06 0.00	57.52 0.34 0.00	53.03 -0.16 0.00	46.58 0.73 0.00	40.72 0.84 0.00	36.65 1.54 0.00
HUNTLEY___66 23560	34.58 0.58 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.10 0.52 0.00	28.09 0.39 0.00	28.95 0.40 0.00	32.74 -0.36 0.00	34.05 -0.98 0.00	32.30 -0.76 0.00	31.09 -0.28 0.00	31.85 0.03 0.00	33.86 0.24 0.00	36.17 0.11 0.00	39.21 0.39 0.00	43.00 0.64 0.00	45.17 0.84 0.00	49.57 0.83 0.00	53.28 0.68 0.00	57.51 -0.06 0.00	57.52 0.34 0.00	53.03 -0.16 0.00	46.58 0.73 0.00	40.72 0.84 0.00	36.65 1.54 0.00
HUNTLEY___67 23561	34.34 0.34 0.00	30.16 0.48 0.00	28.95 0.31 0.00	27.80 0.22 0.00	27.90 0.19 0.00	28.73 0.17 0.00	32.58 -0.53 0.00	33.91 -1.12 0.00	32.16 -0.89 0.00	30.91 -0.47 0.00	31.66 -0.16 0.00	33.63 0.00 0.00	35.92 -0.14 0.00	38.94 0.12 0.00	42.66 0.30 0.00	44.77 0.44 0.00	49.18 0.44 0.00	52.86 0.26 0.00	57.05 -0.52 0.00	57.06 -0.11 0.00	52.61 -0.59 0.00	46.26 0.41 0.00	40.44 0.56 0.00	36.23 1.12 0.00
HUNTLEY___68 23562	34.34 0.34 0.00	30.16 0.48 0.00	28.95 0.31 0.00	27.80 0.22 0.00	27.90 0.19 0.00	28.73 0.17 0.00	32.58 -0.53 0.00	33.91 -1.12 0.00	32.16 -0.89 0.00	30.91 -0.47 0.00	31.66 -0.16 0.00	33.63 0.00 0.00	35.92 -0.14 0.00	38.94 0.12 0.00	42.66 0.30 0.00	44.77 0.44 0.00	49.18 0.44 0.00	52.86 0.26 0.00	57.05 -0.52 0.00	57.06 -0.11 0.00	52.61 -0.59 0.00	46.26 0.41 0.00	40.44 0.56 0.00	36.23 1.12 0.00



HYLAND___LFGE 323620	36.11 2.11 0.00	31.59 1.90 0.00	30.29 1.66 0.00	29.10 1.52 0.00	29.20 1.50 0.00	30.21 1.66 0.00	34.56 1.45 0.00	35.98 0.95 0.00	33.49 0.43 0.00	31.63 0.25 0.00	32.11 0.29 0.00	34.03 0.41 0.00	36.39 0.32 0.00	39.44 0.62 0.00	43.21 0.85 0.00	45.65 1.33 0.00	48.54 -0.19 0.00	52.92 0.32 0.00	58.26 0.69 0.00	59.23 2.06 0.00	55.26 2.07 0.00	48.19 2.34 0.00	43.51 3.63 0.00	37.95 2.84 0.00
INDECK___CORINTH 23802	34.54 0.54 0.00	30.14 0.45 0.00	29.12 0.49 0.00	27.97 0.39 0.00	28.18 0.47 0.00	29.04 0.48 0.00	33.80 0.70 0.00	35.80 0.77 0.00	33.65 0.60 0.00	31.41 0.31 0.28	31.51 -0.06 0.25	33.07 -0.17 0.39	35.34 -0.07 0.65	37.65 -0.23 0.94	40.97 -0.38 1.01	42.89 -0.31 1.13	47.39 0.00 1.35	52.67 0.32 0.24	58.60 1.04 0.00	58.43 1.26 0.00	54.73 1.54 0.00	46.39 0.87 0.33	39.91 0.68 0.65	35.65 0.60 0.06
INDECK___ILION 23567	33.76 -0.24 0.00	29.45 -0.24 0.00	28.40 -0.23 0.00	27.36 -0.22 0.00	27.48 -0.22 0.00	28.33 -0.23 0.00	32.91 -0.20 0.00	34.85 -0.18 0.00	32.92 -0.13 0.00	31.25 -0.13 0.00	31.69 -0.13 0.00	33.53 -0.10 0.00	35.96 -0.11 0.00	38.70 -0.12 0.00	42.19 -0.17 0.00	44.19 -0.13 0.00	48.59 -0.15 0.00	52.44 -0.16 0.00	57.39 -0.17 0.00	56.95 -0.23 0.00	52.98 -0.21 0.00	45.62 -0.23 0.00	39.64 -0.24 0.00	34.86 -0.25 0.00
INDECK___OLEAN 23982	34.17 0.17 0.00	29.96 0.27 0.00	28.69 0.06 0.00	27.55 -0.03 0.00	27.70 0.00 0.00	28.70 0.14 0.00	32.67 -0.43 0.00	34.05 -0.98 0.00	32.30 -0.76 0.00	31.09 -0.28 0.00	31.85 0.03 0.00	33.87 0.24 0.00	36.28 0.22 0.00	39.36 0.54 0.00	43.00 0.64 0.00	45.16 0.84 0.00	49.57 0.83 0.00	53.39 0.79 0.00	57.80 0.23 0.00	57.92 0.74 0.00	53.30 0.11 0.00	46.54 0.69 0.00	41.16 1.28 0.00	36.23 1.12 0.00
INDECK___OSWEGO 23783	33.32 -0.68 0.00	29.10 -0.59 0.00	28.03 -0.60 0.00	27.00 -0.58 0.00	27.12 -0.58 0.00	27.95 -0.60 0.00	32.34 -0.76 0.00	34.19 -0.84 0.00	32.30 -0.76 0.00	30.69 -0.69 0.00	31.12 -0.70 0.00	32.92 -0.71 0.00	35.30 -0.76 0.00	38.08 -0.74 0.00	41.56 -0.81 0.00	43.53 -0.80 0.00	47.81 -0.93 0.00	51.60 -1.00 0.00	56.47 -1.10 0.00	56.20 -0.97 0.00	52.23 -0.96 0.00	45.11 -0.74 0.00	39.24 -0.64 0.00	34.48 -0.63 0.00
INDECK___YERKES 23781	34.61 0.61 0.00	30.37 0.68 0.00	29.18 0.54 0.00	28.13 0.55 0.00	28.12 0.42 0.00	29.04 0.48 0.00	32.77 -0.33 0.00	34.09 -0.94 0.00	32.33 -0.73 0.00	31.12 -0.25 0.00	31.88 0.06 0.00	33.90 0.27 0.00	36.21 0.14 0.00	39.32 0.50 0.00	43.04 0.68 0.00	45.30 0.97 0.00	49.62 0.88 0.00	53.34 0.74 0.00	57.51 -0.06 0.00	57.58 0.40 0.00	53.14 -0.05 0.00	46.67 0.83 0.00	41.60 1.71 0.00	36.62 1.51 0.00
INDIAN POINT_GT_1 24139	34.95 0.95 0.00	30.49 0.80 0.00	29.35 0.72 0.00	28.24 0.66 0.00	28.40 0.69 0.00	29.24 0.69 0.00	34.10 0.99 0.00	36.33 1.30 0.00	34.35 1.29 0.00	32.94 1.22 -0.34	33.40 1.27 -0.30	35.38 1.28 -0.47	38.33 1.48 -0.79	41.40 1.44 -1.14	44.99 1.40 -1.23	47.02 1.33 -1.37	51.80 1.41 -1.64	54.42 1.53 -0.30	59.24 1.67 0.00	58.60 1.43 0.00	54.52 1.33 0.00	47.35 1.10 -0.40	41.79 1.12 -0.79	36.06 0.88 -0.07
INDIAN POINT_GT_2 23659	34.95 0.95 0.00	30.49 0.80 0.00	29.35 0.72 0.00	28.24 0.66 0.00	28.40 0.69 0.00	29.24 0.69 0.00	34.10 0.99 0.00	36.33 1.30 0.00	34.35 1.29 0.00	32.94 1.22 -0.34	33.40 1.27 -0.30	35.38 1.28 -0.47	38.33 1.48 -0.79	41.40 1.44 -1.14	44.99 1.40 -1.23	47.02 1.33 -1.37	51.80 1.41 -1.64	54.42 1.53 -0.30	59.24 1.67 0.00	58.60 1.43 0.00	54.52 1.33 0.00	47.35 1.10 -0.40	41.79 1.12 -0.79	36.06 0.88 -0.07
INDIAN POINT_GT_3 24019	34.95 0.95 0.00	30.49 0.80 0.00	29.35 0.72 0.00	28.24 0.66 0.00	28.40 0.69 0.00	29.24 0.69 0.00	34.10 0.99 0.00	36.33 1.30 0.00	34.35 1.29 0.00	32.94 1.22 -0.34	33.40 1.27 -0.30	35.38 1.28 -0.47	38.33 1.48 -0.79	41.40 1.44 -1.14	44.99 1.40 -1.23	47.02 1.33 -1.37	51.80 1.41 -1.64	54.42 1.53 -0.30	59.24 1.67 0.00	58.60 1.43 0.00	54.52 1.33 0.00	47.35 1.10 -0.40	41.79 1.12 -0.79	36.06 0.88 -0.07
INDIAN POINT___2 23530	34.92 0.92 0.00	30.46 0.77 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.40 0.69 0.00	29.21 0.66 0.00	34.10 0.99 0.00	36.29 1.26 0.00	34.31 1.26 0.00	32.92 1.22 -0.33	33.36 1.24 -0.30	35.37 1.28 -0.46	38.28 1.44 -0.77	41.32 1.40 -1.11	44.95 1.40 -1.20	46.98 1.33 -1.33	51.75 1.41 -1.60	54.36 1.47 -0.29	59.18 1.61 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.29 1.06 -0.39	41.57 0.92 -0.77	36.02 0.84 -0.07
INDIAN POINT___3 23531	34.92 0.92 0.00	30.49 0.80 0.00	29.35 0.72 0.00	28.21 0.63 0.00	28.40 0.69 0.00	29.24 0.69 0.00	34.10 0.99 0.00	36.29 1.26 0.00	34.31 1.26 0.00	32.90 1.19 -0.34	33.37 1.24 -0.31	35.38 1.28 -0.47	38.30 1.44 -0.79	41.36 1.40 -1.14	44.99 1.40 -1.23	47.02 1.33 -1.37	51.75 1.36 -1.65	54.42 1.53 -0.30	59.24 1.67 0.00	58.55 1.37 0.00	54.47 1.28 0.00	47.30 1.05 -0.40	41.79 1.12 -0.79	36.02 0.84 -0.07
INGHAM_C_115KV_TB7 356103	33.42 -0.58 0.00	29.13 -0.56 0.00	28.09 -0.54 0.00	27.03 -0.55 0.00	27.21 -0.50 0.00	28.04 -0.51 0.00	32.58 -0.53 0.00	34.57 -0.46 0.00	32.66 -0.40 0.00	31.03 -0.35 0.00	31.50 -0.32 0.00	33.29 -0.34 0.00	35.70 -0.36 0.00	38.47 -0.35 0.00	41.94 -0.42 0.00	43.88 -0.44 0.00	48.20 -0.54 0.00	52.02 -0.58 0.00	56.99 -0.58 0.00	56.49 -0.69 0.00	52.50 -0.69 0.00	45.16 -0.69 0.00	39.24 -0.64 0.00	34.58 -0.53 0.00
IP CORINTH___1 23988	34.71 0.71 0.00	30.28 0.59 0.00	29.26 0.63 0.00	28.13 0.55 0.00	28.31 0.61 0.00	29.21 0.66 0.00	34.00 0.89 0.00	35.98 0.95 0.00	33.85 0.79 0.00	31.57 0.47 0.28	31.66 0.10 0.25	33.27 0.03 0.39	35.52 0.11 0.65	37.84 -0.04 0.94	41.22 -0.13 1.01	43.15 -0.04 1.13	47.68 0.29 1.35	52.99 0.63 0.24	58.95 1.38 0.00	58.78 1.60 0.00	55.05 1.86 0.00	46.67 1.15 0.33	40.27 1.04 0.65	35.83 0.77 0.06
IP___TICONDEROGA 23804	35.43 1.43 0.00	30.88 1.19 0.00	29.86 1.23 0.00	28.66 1.08 0.00	28.90 1.19 0.00	29.84 1.28 0.00	34.73 1.62 0.00	36.68 1.65 0.00	34.41 1.36 0.00	31.97 0.88 0.28	32.10 0.54 0.26	33.67 0.44 0.40	35.97 0.58 0.67	38.32 0.47 0.96	41.79 0.47 1.04	43.74 0.58 1.15	48.47 1.12 1.39	54.09 1.74 0.25	60.21 2.65 0.00	60.38 3.20 0.00	56.75 3.56 0.00	47.94 2.43 0.34	41.29 2.07 0.67	36.70 1.65 0.06
ISLIP_RES_REC 323679	36.63 2.62 -0.01	31.41 1.72 0.00	30.18 1.55 0.00	28.71 1.13 0.00	28.90 1.19 0.00	30.21 1.66 0.00	35.42 2.32 0.00	38.01 2.98 0.00	35.70 2.65 0.00	33.82 2.10 -0.34	34.36 2.23 -0.31	36.57 2.45 -0.48	39.25 2.38 -0.81	42.15 2.17 -1.16	44.93 1.31 -1.25	47.18 1.46 -1.39	51.73 1.32 -1.67	55.32 2.42 -0.30	61.65 4.09 0.00	59.35 2.17 0.00	55.69 2.50 0.00	47.49 1.24 -0.40	41.92 1.24 -0.81	36.93 1.75 -0.07



JAMAICA__27_KV_LOAD 355505	35.39 1.39 0.00	30.85 1.16 0.00	29.66 1.03 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.55 1.00 0.00	34.66 1.56 0.00	37.03 2.00 0.00	35.04 1.98 0.00	33.66 1.95 -0.34	33.88 1.75 -0.31	35.89 1.78 -0.48	38.92 2.06 -0.81	42.04 2.06 -1.16	45.73 2.12 -1.25	47.62 1.91 -1.39	52.51 2.10 -1.67	54.95 2.05 -0.30	59.75 2.19 0.00	59.06 1.89 0.00	54.84 1.65 0.00	47.77 1.51 -0.40	42.52 1.83 -0.80	36.58 1.40 -0.07
JANIS__SOLAR 323808	35.39 1.39 0.00	30.88 1.19 0.00	29.69 1.06 0.00	28.54 0.96 0.00	28.70 1.00 0.00	29.67 1.11 0.00	34.33 1.23 0.00	36.18 1.15 0.00	33.92 0.86 0.00	32.04 0.66 0.00	32.39 0.57 0.00	34.30 0.67 0.00	36.71 0.65 0.00	39.71 0.89 0.00	43.29 0.93 0.00	45.52 1.20 0.00	50.15 1.41 0.00	54.44 1.84 0.00	60.04 2.47 0.00	60.15 2.97 0.00	55.85 2.66 0.00	48.23 2.38 0.00	41.80 1.91 0.00	36.58 1.47 0.00
JARVIS____ 23743	33.97 -0.03 0.00	29.66 -0.03 0.00	28.60 -0.03 0.00	27.52 -0.06 0.00	27.68 -0.03 0.00	28.50 -0.06 0.00	33.04 -0.07 0.00	35.00 -0.03 0.00	33.02 -0.03 0.00	31.31 -0.06 0.00	31.76 -0.06 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.74 -0.08 0.00	42.28 -0.08 0.00	44.24 -0.09 0.00	48.64 -0.10 0.00	52.50 -0.10 0.00	57.51 -0.06 0.00	57.12 -0.06 0.00	53.14 -0.05 0.00	45.76 -0.09 0.00	39.80 -0.08 0.00	35.01 -0.11 0.00
JENNISON____1 23625	35.53 1.53 0.00	31.03 1.34 0.00	29.84 1.20 0.00	28.68 1.10 0.00	28.87 1.16 0.00	29.78 1.23 0.00	34.50 1.39 0.00	36.50 1.47 0.00	34.31 1.26 0.00	32.56 1.13 -0.05	33.01 1.15 -0.05	35.02 1.31 -0.08	37.52 1.33 -0.13	40.59 1.59 -0.18	44.21 1.65 -0.20	46.45 1.91 -0.22	51.05 2.05 -0.26	54.96 2.31 -0.05	60.39 2.82 0.00	60.26 3.09 0.00	55.96 2.77 0.00	48.39 2.48 -0.06	41.84 1.83 -0.13	36.70 1.58 -0.01
JENNISON____2 23626	35.53 1.53 0.00	31.03 1.34 0.00	29.84 1.20 0.00	28.68 1.10 0.00	28.87 1.16 0.00	29.78 1.23 0.00	34.50 1.39 0.00	36.50 1.47 0.00	34.31 1.26 0.00	32.56 1.13 -0.05	33.01 1.15 -0.05	35.02 1.31 -0.08	37.52 1.33 -0.13	40.59 1.59 -0.18	44.21 1.65 -0.20	46.45 1.91 -0.22	51.05 2.05 -0.26	54.96 2.31 -0.05	60.39 2.82 0.00	60.26 3.09 0.00	55.96 2.77 0.00	48.39 2.48 -0.06	41.84 1.83 -0.13	36.70 1.58 -0.01
JERICOHO_RISE_WT_PWR 323719	34.48 0.48 0.00	30.07 0.38 0.00	29.03 0.40 0.00	28.05 0.47 0.00	28.18 0.47 0.00	29.10 0.54 0.00	33.80 0.70 0.00	35.73 0.70 0.00	33.68 0.63 0.00	32.00 0.63 0.00	32.46 0.64 0.00	34.27 0.64 0.00	36.75 0.68 0.00	39.56 0.74 0.00	43.21 0.85 0.00	45.21 0.89 0.00	49.66 0.92 0.00	53.39 0.79 0.00	58.43 0.86 0.00	57.97 0.80 0.00	53.99 0.80 0.00	46.63 0.78 0.00	40.56 0.68 0.00	35.78 0.67 0.00
KATONAH__115KV_46KV_TB4 355592	35.05 1.05 0.00	30.58 0.89 0.00	29.46 0.83 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.33 0.77 0.00	34.23 1.13 0.00	36.40 1.37 0.00	34.45 1.39 0.00	33.01 1.29 -0.34	33.50 1.37 -0.31	35.49 1.38 -0.48	38.46 1.59 -0.81	41.53 1.55 -1.16	45.19 1.57 -1.26	47.23 1.51 -1.40	52.02 1.61 -1.68	54.64 1.74 -0.30	59.47 1.90 0.00	58.78 1.60 0.00	54.79 1.60 0.00	47.54 1.28 -0.41	41.92 1.24 -0.81	36.13 0.95 -0.07
KCE_NY_1 323755	35.06 1.06 0.00	30.61 0.92 0.00	29.55 0.92 0.00	28.44 0.86 0.00	28.59 0.89 0.00	29.47 0.91 0.00	34.23 1.13 0.00	36.22 1.19 0.00	34.08 1.03 0.00	31.84 0.75 0.29	32.16 0.60 0.27	33.79 0.57 0.41	36.02 0.65 0.69	38.44 0.62 0.99	41.92 0.64 1.07	43.83 0.71 1.20	48.37 1.07 1.44	53.71 1.37 0.26	59.41 1.84 0.00	59.12 1.95 0.00	55.26 2.07 0.00	46.92 1.42 0.35	40.35 1.16 0.69	36.10 1.05 0.06
KCE_NY_6_ESR 323823	34.64 0.64 0.00	30.40 0.71 0.00	29.18 0.54 0.00	27.99 0.41 0.00	28.15 0.44 0.00	29.07 0.51 0.00	32.87 -0.23 0.00	34.23 -0.80 0.00	32.46 -0.59 0.00	31.25 -0.13 0.00	32.01 0.19 0.00	34.03 0.41 0.00	36.39 0.32 0.00	39.52 0.70 0.00	43.21 0.85 0.00	45.47 1.15 0.00	49.86 1.12 0.00	53.65 1.05 0.00	57.91 0.35 0.00	58.03 0.86 0.00	53.46 0.27 0.00	46.90 1.06 0.00	41.72 1.84 0.00	36.65 1.54 0.00
KEDC_PORT_JEFF_GT2 24210	36.42 2.41 -0.01	31.26 1.57 0.00	30.04 1.40 0.00	28.57 0.99 0.00	28.76 1.05 0.00	30.07 1.51 0.00	35.23 2.12 0.00	37.76 2.73 0.00	35.50 2.45 0.00	33.63 1.91 -0.34	34.14 2.01 -0.31	36.33 2.22 -0.48	39.00 2.13 -0.81	41.84 1.86 -1.16	44.63 1.02 -1.25	46.83 1.11 -1.39	51.34 0.92 -1.67	54.90 2.00 -0.30	61.08 3.51 0.00	58.89 1.71 0.00	55.26 2.07 0.00	47.17 0.92 -0.40	41.64 0.96 -0.81	36.69 1.51 -0.07
KEDC_PORT_JEFF_GT3 24211	36.42 2.41 -0.01	31.26 1.57 0.00	30.04 1.40 0.00	28.57 0.99 0.00	28.76 1.05 0.00	30.07 1.51 0.00	35.23 2.12 0.00	37.76 2.73 0.00	35.50 2.45 0.00	33.63 1.91 -0.34	34.14 2.01 -0.31	36.33 2.22 -0.48	39.00 2.13 -0.81	41.84 1.86 -1.16	44.63 1.02 -1.25	46.83 1.11 -1.39	51.34 0.92 -1.67	54.90 2.00 -0.30	61.08 3.51 0.00	58.89 1.71 0.00	55.26 2.07 0.00	47.17 0.92 -0.40	41.64 0.96 -0.81	36.69 1.51 -0.07
KEDC_GLWD_GT4 24219	35.61 1.60 -0.01	30.94 1.25 0.00	29.75 1.12 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.67 1.11 0.00	34.69 1.59 0.00	37.03 2.00 0.00	34.94 1.88 0.00	33.41 1.69 -0.34	33.97 1.84 -0.31	36.13 2.02 -0.48	39.00 2.13 -0.81	42.00 2.02 -1.16	45.31 1.70 -1.25	47.44 1.73 -1.39	52.16 1.75 -1.67	54.69 1.79 -0.30	59.81 2.24 0.00	58.66 1.48 0.00	54.68 1.49 0.00	47.68 1.42 -0.40	41.92 1.24 -0.81	36.55 1.37 -0.07
KEDC_GLWD_GT5 24220	35.61 1.60 -0.01	30.94 1.25 0.00	29.75 1.12 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.67 1.11 0.00	34.69 1.59 0.00	37.03 2.00 0.00	34.94 1.88 0.00	33.41 1.69 -0.34	33.97 1.84 -0.31	36.13 2.02 -0.48	39.00 2.13 -0.81	42.00 2.02 -1.16	45.31 1.70 -1.25	47.44 1.73 -1.39	52.16 1.75 -1.67	54.69 1.79 -0.30	59.81 2.24 0.00	58.66 1.48 0.00	54.68 1.49 0.00	47.68 1.42 -0.40	41.92 1.24 -0.81	36.55 1.37 -0.07
KENSICO____ 23655	35.05 1.05 0.00	30.58 0.89 0.00	29.43 0.80 0.00	28.30 0.72 0.00	28.48 0.78 0.00	29.33 0.77 0.00	34.23 1.13 0.00	36.43 1.40 0.00	34.48 1.42 0.00	33.07 1.35 -0.34	33.50 1.37 -0.31	35.52 1.41 -0.48	38.49 1.62 -0.80	41.57 1.59 -1.16	45.18 1.57 -1.25	47.22 1.51 -1.39	51.97 1.56 -1.67	54.59 1.68 -0.30	59.41 1.84 0.00	58.72 1.54 0.00	54.63 1.44 0.00	47.44 1.19 -0.40	41.92 1.24 -0.80	36.16 0.98 -0.07
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	35.09 1.09 0.00	30.61 0.92 0.00	29.49 0.86 0.00	28.35 0.77 0.00	28.54 0.83 0.00	29.35 0.80 0.00	34.20 1.09 0.00	36.33 1.30 0.00	34.31 1.26 0.00	32.75 1.16 -0.21	33.19 1.18 -0.19	35.11 1.18 -0.30	37.90 1.33 -0.50	40.90 1.36 -0.72	44.54 1.40 -0.78	46.61 1.42 -0.87	51.34 1.56 -1.04	54.68 1.89 -0.19	59.75 2.19 0.00	59.18 2.00 0.00	55.21 2.02 0.00	47.66 1.56 -0.25	41.82 1.44 -0.50	36.31 1.16 -0.04



KIAC_JFK_GT1 23816	35.19 1.19 0.00	30.67 0.98 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.41 0.86 0.00	34.46 1.36 0.00	36.82 1.79 0.00	34.84 1.79 0.00	33.47 1.76 -0.34	33.69 1.56 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.18 1.46 -1.39	52.02 1.61 -1.67	54.43 1.53 -0.30	59.18 1.61 0.00	58.49 1.32 0.00	54.31 1.12 0.00	47.31 1.05 -0.40	42.28 1.60 -0.80	36.37 1.19 -0.07
KIAC_JFK_GT2 23817	35.19 1.19 0.00	30.67 0.98 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.41 0.86 0.00	34.46 1.36 0.00	36.82 1.79 0.00	34.84 1.79 0.00	33.47 1.76 -0.34	33.69 1.56 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.18 1.46 -1.39	52.02 1.61 -1.67	54.43 1.53 -0.30	59.18 1.61 0.00	58.49 1.32 0.00	54.31 1.12 0.00	47.31 1.05 -0.40	42.28 1.60 -0.80	36.37 1.19 -0.07
KIAC_JFK____ 323774	35.19 1.19 0.00	30.67 0.98 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.38 0.83 0.00	34.46 1.36 0.00	36.82 1.79 0.00	34.84 1.78 0.00	33.47 1.76 -0.34	33.69 1.56 -0.31	35.69 1.58 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.48 1.86 -1.25	47.18 1.46 -1.39	52.02 1.61 -1.67	54.37 1.47 -0.30	59.12 1.55 0.00	58.38 1.20 0.00	54.25 1.06 0.00	47.31 1.06 -0.40	42.08 1.40 -0.80	36.34 1.16 -0.07
KINTIGH__24_KV_GSU 356498	34.17 0.17 0.00	29.96 0.27 0.00	28.78 0.14 0.00	27.66 0.08 0.00	27.76 0.06 0.00	28.64 0.09 0.00	32.54 -0.56 0.00	33.98 -1.05 0.00	32.23 -0.83 0.00	30.91 -0.47 0.00	31.60 -0.22 0.00	33.53 -0.10 0.00	35.77 -0.29 0.00	38.78 -0.04 0.00	42.45 0.08 0.00	44.59 0.27 0.00	48.93 0.20 0.00	52.65 0.05 0.00	56.76 -0.81 0.00	56.78 -0.40 0.00	52.50 -0.69 0.00	46.03 0.18 0.00	40.92 1.04 0.00	35.88 0.77 0.00
KINTIGH____ 23543	34.17 0.17 0.00	29.99 0.30 0.00	28.78 0.14 0.00	27.66 0.08 0.00	27.73 0.03 0.00	28.58 0.03 0.00	32.54 -0.56 0.00	33.98 -1.05 0.00	32.23 -0.83 0.00	30.91 -0.47 0.00	31.60 -0.22 0.00	33.53 -0.10 0.00	35.78 -0.29 0.00	38.74 -0.08 0.00	42.45 0.08 0.00	44.55 0.22 0.00	48.93 0.19 0.00	52.65 0.05 0.00	56.82 -0.75 0.00	56.77 -0.40 0.00	52.50 -0.69 0.00	46.03 0.18 0.00	40.20 0.32 0.00	35.88 0.77 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	35.36 1.36 0.00	30.82 1.13 0.00	29.75 1.12 0.00	28.77 1.19 0.00	28.90 1.19 0.00	29.87 1.31 0.00	34.69 1.59 0.00	36.68 1.65 0.00	34.54 1.49 0.00	32.82 1.44 0.00	33.25 1.43 0.00	35.11 1.48 0.00	37.65 1.59 0.00	40.61 1.79 0.00	44.40 2.03 0.00	46.45 2.13 0.00	51.08 2.34 0.00	54.91 2.31 0.00	60.16 2.59 0.00	59.69 2.52 0.00	55.64 2.45 0.00	48.14 2.29 0.00	41.76 1.87 0.00	36.80 1.69 0.00
LACHUTE____HYDRO 323717	35.43 1.43 0.00	30.88 1.19 0.00	29.86 1.23 0.00	28.65 1.07 0.00	28.90 1.19 0.00	29.84 1.29 0.00	34.73 1.62 0.00	36.68 1.65 0.00	34.41 1.36 0.00	31.97 0.88 0.28	32.10 0.54 0.26	33.67 0.44 0.40	35.97 0.58 0.67	38.33 0.47 0.96	41.79 0.47 1.04	43.74 0.57 1.15	48.47 1.12 1.39	54.03 1.68 0.25	60.22 2.65 0.00	60.37 3.20 0.00	56.75 3.56 0.00	47.94 2.43 0.34	41.13 1.91 0.67	36.70 1.65 0.06
LAWRNCV_115KV_TB1 80681	34.95 0.95 0.00	30.43 0.74 0.00	29.35 0.72 0.00	28.35 0.77 0.00	28.56 0.86 0.00	29.53 0.97 0.00	34.30 1.19 0.00	36.22 1.19 0.00	34.02 0.96 0.00	32.32 0.94 0.00	32.74 0.92 0.00	34.60 0.98 0.00	37.07 1.01 0.00	39.95 1.13 0.00	43.63 1.27 0.00	45.70 1.37 0.00	50.00 1.27 0.00	53.55 0.95 0.00	58.55 0.98 0.00	58.20 1.03 0.00	54.36 1.17 0.00	47.13 1.28 0.00	41.04 1.16 0.00	36.34 1.23 0.00
LEDERLE____ 23769	35.09 1.09 0.00	30.61 0.92 0.00	29.46 0.83 0.00	28.32 0.74 0.00	28.51 0.80 0.00	29.35 0.80 0.00	34.26 1.16 0.00	36.47 1.44 0.00	34.48 1.42 0.00	33.08 1.38 -0.32	33.51 1.40 -0.29	35.53 1.45 -0.45	38.48 1.66 -0.75	41.57 1.67 -1.08	45.19 1.65 -1.17	47.27 1.64 -1.30	52.01 1.71 -1.56	54.78 1.89 -0.28	59.64 2.07 0.00	59.00 1.83 0.00	54.89 1.70 0.00	47.60 1.38 -0.38	41.99 1.36 -0.75	36.23 1.05 -0.06
LIGHTHSE_115KV_TB6 355974	34.17 0.17 0.00	29.78 0.09 0.00	28.66 0.03 0.00	27.58 0.00 0.00	27.73 0.03 0.00	28.61 0.06 0.00	33.14 0.03 0.00	35.07 0.04 0.00	32.99 -0.07 0.00	31.31 -0.06 0.00	31.76 -0.06 0.00	33.60 -0.03 0.00	35.99 -0.07 0.00	38.82 0.00 0.00	42.36 0.00 0.00	44.41 0.09 0.00	48.69 -0.05 0.00	52.49 -0.11 0.00	57.62 0.06 0.00	57.52 0.34 0.00	53.51 0.32 0.00	46.31 0.46 0.00	40.12 0.24 0.00	35.29 0.18 0.00
LINDEN COGEN____ 23786	35.02 1.02 0.00	30.55 0.86 0.00	29.38 0.74 0.00	28.30 0.72 0.00	28.48 0.77 0.00	29.24 0.68 0.00	34.23 1.13 0.00	36.54 1.51 0.00	34.61 1.55 0.00	33.22 1.51 -0.34	33.63 1.50 -0.31	35.66 1.55 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.31 1.70 -1.25	47.31 1.59 -1.39	52.02 1.61 -1.67	54.43 1.53 -0.30	59.18 1.61 0.00	58.43 1.26 0.00	54.31 1.12 0.00	47.44 1.19 -0.40	41.72 1.04 -0.80	36.13 0.95 -0.07
LINDHRST_69_KV_BK1 356055	36.41 2.41 0.00	31.38 1.69 0.00	30.15 1.52 0.00	28.77 1.19 0.00	28.95 1.25 0.00	30.18 1.63 0.00	35.32 2.22 0.00	37.73 2.70 0.00	35.50 2.45 0.00	33.76 2.04 -0.34	34.36 2.23 -0.31	36.60 2.49 -0.48	39.43 2.56 -0.81	42.27 2.29 -1.16	45.06 1.44 -1.25	47.18 1.46 -1.39	51.83 1.41 -1.67	55.32 2.42 -0.30	61.08 3.51 0.00	59.58 2.40 0.00	55.53 2.34 0.00	47.67 1.42 -0.40	42.84 2.15 -0.81	37.25 2.07 -0.07
LIPA_MISC_IPP 23656	36.38 2.38 0.00	31.11 1.43 0.00	29.89 1.26 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.95 1.40 0.00	35.09 1.99 0.00	37.76 2.73 0.00	35.44 2.38 0.00	33.44 1.73 -0.34	33.88 1.75 -0.31	36.06 1.95 -0.48	38.82 1.95 -0.81	41.61 1.63 -1.16	44.25 0.64 -1.25	46.47 0.75 -1.39	50.95 0.54 -1.67	54.48 1.58 -0.30	61.02 3.45 0.00	59.18 2.00 0.00	55.11 1.91 0.00	46.94 0.69 -0.40	42.16 1.48 -0.81	36.62 1.44 -0.07
LISF__SOLAR 323691	36.46 2.45 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.44 0.86 0.00	28.62 0.91 0.00	29.98 1.43 0.00	35.16 2.05 0.00	37.83 2.80 0.00	35.50 2.45 0.00	33.47 1.76 -0.34	33.94 1.81 -0.31	36.10 1.98 -0.48	38.74 1.87 -0.81	41.57 1.59 -1.16	44.29 0.68 -1.25	46.56 0.84 -1.39	51.00 0.59 -1.67	54.54 1.63 -0.30	61.14 3.57 0.00	58.66 1.48 0.00	55.16 1.97 0.00	46.89 0.64 -0.40	41.41 0.72 -0.81	36.51 1.33 -0.07
LITTLE FALLS__HYD 24013	33.42 -0.58 0.00	29.13 -0.56 0.00	28.09 -0.54 0.00	27.03 -0.55 0.00	27.21 -0.50 0.00	28.04 -0.51 0.00	32.58 -0.53 0.00	34.57 -0.46 0.00	32.66 -0.40 0.00	31.03 -0.35 0.00	31.50 -0.32 0.00	33.29 -0.34 0.00	35.70 -0.36 0.00	38.47 -0.35 0.00	41.94 -0.42 0.00	43.88 -0.44 0.00	48.20 -0.54 0.00	52.02 -0.58 0.00	56.99 -0.58 0.00	56.49 -0.69 0.00	52.50 -0.69 0.00	45.16 -0.69 0.00	39.24 -0.64 0.00	34.58 -0.53 0.00



LITTLRIV_115KV_TB1 356100	35.39 1.39 0.00	30.82 1.13 0.00	29.72 1.09 0.00	28.68 1.10 0.00	28.90 1.19 0.00	29.90 1.34 0.00	34.73 1.62 0.00	36.64 1.61 0.00	34.28 1.22 0.00	32.51 1.13 0.00	32.93 1.11 0.00	34.77 1.14 0.00	37.22 1.15 0.00	40.14 1.32 0.00	43.85 1.48 0.00	45.92 1.60 0.00	50.30 1.56 0.00	53.92 1.32 0.00	59.18 1.61 0.00	59.00 1.83 0.00	55.16 1.97 0.00	47.82 1.97 0.00	41.56 1.68 0.00	36.76 1.65 0.00
LI_NEWBRDGE___DRP 323616	35.70 1.70 0.00	30.88 1.19 0.00	29.66 1.03 0.00	28.35 0.77 0.00	28.54 0.83 0.00	29.67 1.11 0.00	34.69 1.59 0.00	37.06 2.03 0.00	34.88 1.82 0.00	33.26 1.54 -0.34	33.82 1.69 -0.31	36.00 1.88 -0.48	38.85 1.98 -0.81	41.65 1.67 -1.16	44.46 0.85 -1.25	46.60 0.89 -1.39	51.19 0.78 -1.67	54.43 1.53 -0.30	59.93 2.36 0.00	58.60 1.43 0.00	54.57 1.38 0.00	46.99 0.73 -0.40	42.12 1.44 -0.81	36.58 1.40 -0.07
LOCKPORT_115KV_TB60_63_64 80432	34.61 0.61 0.00	30.43 0.74 0.00	29.21 0.57 0.00	27.75 0.17 0.00	28.15 0.44 0.00	28.98 0.43 0.00	32.61 -0.50 0.00	33.84 -1.19 0.00	32.07 -0.99 0.00	30.84 -0.53 0.00	31.57 -0.25 0.00	33.56 -0.07 0.00	35.81 -0.25 0.00	38.82 0.00 0.00	42.53 0.17 0.00	44.68 0.35 0.00	49.08 0.34 0.00	52.76 0.16 0.00	56.93 -0.63 0.00	57.00 -0.17 0.00	52.61 -0.59 0.00	46.26 0.41 0.00	40.44 0.56 0.00	36.20 1.09 0.00
LOCKPORT___CC1 323769	34.54 0.54 0.00	30.34 0.65 0.00	29.15 0.52 0.00	27.77 0.19 0.00	28.09 0.39 0.00	28.98 0.43 0.00	32.61 -0.50 0.00	33.84 -1.19 0.00	32.07 -0.99 0.00	30.84 -0.53 0.00	31.56 -0.26 0.00	33.56 -0.07 0.00	35.81 -0.25 0.00	38.86 0.04 0.00	42.53 0.17 0.00	44.77 0.44 0.00	49.08 0.34 0.00	52.76 0.16 0.00	56.88 -0.69 0.00	56.95 -0.23 0.00	52.61 -0.58 0.00	46.26 0.41 0.00	41.28 1.40 0.00	36.48 1.37 0.00
LOCKPORT___CC2 323770	34.54 0.54 0.00	30.34 0.65 0.00	29.15 0.52 0.00	27.77 0.19 0.00	28.09 0.39 0.00	28.98 0.43 0.00	32.61 -0.50 0.00	33.84 -1.19 0.00	32.07 -0.99 0.00	30.84 -0.53 0.00	31.56 -0.26 0.00	33.56 -0.07 0.00	35.81 -0.25 0.00	38.86 0.04 0.00	42.53 0.17 0.00	44.77 0.44 0.00	49.08 0.34 0.00	52.76 0.16 0.00	56.88 -0.69 0.00	56.95 -0.23 0.00	52.61 -0.58 0.00	46.26 0.41 0.00	41.28 1.40 0.00	36.48 1.37 0.00
LOCKPORT___CC3 323771	34.54 0.54 0.00	30.34 0.65 0.00	29.15 0.52 0.00	27.77 0.19 0.00	28.09 0.39 0.00	28.98 0.43 0.00	32.61 -0.50 0.00	33.84 -1.19 0.00	32.07 -0.99 0.00	30.84 -0.53 0.00	31.56 -0.26 0.00	33.56 -0.07 0.00	35.81 -0.25 0.00	38.86 0.04 0.00	42.53 0.17 0.00	44.77 0.44 0.00	49.08 0.34 0.00	52.76 0.16 0.00	56.88 -0.69 0.00	56.95 -0.23 0.00	52.61 -0.58 0.00	46.26 0.41 0.00	41.28 1.40 0.00	36.48 1.37 0.00
LOCUSVLY_69_KV_BK2 55797	35.87 1.87 0.00	31.08 1.40 0.00	29.86 1.23 0.00	28.60 1.02 0.00	28.79 1.08 0.00	29.84 1.28 0.00	34.89 1.79 0.00	37.24 2.21 0.00	35.11 2.05 0.00	33.54 1.82 -0.34	34.13 2.00 -0.31	36.33 2.22 -0.48	39.25 2.38 -0.81	42.15 2.17 -1.16	45.23 1.61 -1.25	47.36 1.64 -1.39	52.07 1.66 -1.67	55.01 2.10 -0.30	60.33 2.76 0.00	59.18 2.00 0.00	55.05 1.86 0.00	47.67 1.42 -0.40	42.52 1.83 -0.81	36.90 1.72 -0.07
LONG_LAKE_PHOENIX 24014	33.49 -0.51 0.00	29.24 -0.45 0.00	28.17 -0.46 0.00	27.14 -0.44 0.00	27.26 -0.44 0.00	28.07 -0.49 0.00	32.54 -0.56 0.00	34.36 -0.67 0.00	32.46 -0.60 0.00	30.87 -0.50 0.00	31.34 -0.48 0.00	33.16 -0.47 0.00	35.56 -0.50 0.00	38.35 -0.47 0.00	41.85 -0.51 0.00	43.84 -0.49 0.00	48.15 -0.58 0.00	51.97 -0.63 0.00	56.88 -0.69 0.00	56.60 -0.57 0.00	52.55 -0.64 0.00	45.39 -0.46 0.00	39.40 -0.48 0.00	34.69 -0.42 0.00
LOVETT___3 23632	34.92 0.92 0.00	30.46 0.77 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.40 0.69 0.00	29.21 0.66 0.00	34.10 0.99 0.00	36.29 1.26 0.00	34.31 1.26 0.00	32.92 1.22 -0.32	33.35 1.24 -0.29	35.36 1.28 -0.46	38.31 1.48 -0.76	41.36 1.44 -1.10	44.95 1.40 -1.19	46.97 1.33 -1.32	51.74 1.41 -1.59	54.41 1.53 -0.29	59.24 1.67 0.00	58.55 1.37 0.00	54.52 1.33 0.00	47.29 1.05 -0.38	41.76 1.12 -0.76	36.02 0.84 -0.06
LOVETT___4 23642	34.92 0.92 0.00	30.46 0.77 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.40 0.69 0.00	29.21 0.66 0.00	34.10 0.99 0.00	36.29 1.26 0.00	34.31 1.26 0.00	32.92 1.22 -0.32	33.35 1.24 -0.29	35.36 1.28 -0.46	38.31 1.48 -0.76	41.36 1.44 -1.10	44.95 1.40 -1.19	46.97 1.33 -1.32	51.74 1.41 -1.59	54.41 1.53 -0.29	59.24 1.67 0.00	58.55 1.37 0.00	54.52 1.33 0.00	47.29 1.05 -0.38	41.76 1.12 -0.76	36.02 0.84 -0.06
LOVETT___5 23593	34.92 0.92 0.00	30.46 0.77 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.40 0.69 0.00	29.21 0.66 0.00	34.10 0.99 0.00	36.29 1.26 0.00	34.31 1.26 0.00	32.92 1.22 -0.32	33.35 1.24 -0.29	35.36 1.28 -0.46	38.31 1.48 -0.76	41.36 1.44 -1.10	44.95 1.40 -1.19	46.97 1.33 -1.32	51.74 1.41 -1.59	54.41 1.53 -0.29	59.24 1.67 0.00	58.55 1.37 0.00	54.52 1.33 0.00	47.29 1.05 -0.38	41.76 1.12 -0.76	36.02 0.84 -0.06
LOWER RAQUET___HYD 24057	34.99 0.99 0.00	30.43 0.74 0.00	29.38 0.74 0.00	28.35 0.77 0.00	28.59 0.89 0.00	29.55 1.00 0.00	34.33 1.23 0.00	36.26 1.23 0.00	34.05 0.99 0.00	32.35 0.97 0.00	32.77 0.95 0.00	34.64 1.01 0.00	37.11 1.05 0.00	39.98 1.16 0.00	43.68 1.31 0.00	45.74 1.42 0.00	50.00 1.27 0.00	53.49 0.89 0.00	58.48 0.92 0.00	58.15 0.97 0.00	54.31 1.12 0.00	47.13 1.28 0.00	41.08 1.20 0.00	36.37 1.26 0.00
LOWER___HUDSON 24059	34.72 0.72 0.00	30.31 0.62 0.00	29.29 0.66 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.15 0.60 0.00	33.87 0.76 0.00	35.84 0.81 0.00	33.78 0.73 0.00	31.50 0.50 0.38	31.89 0.41 0.35	33.49 0.41 0.54	35.60 0.43 0.90	37.87 0.35 1.30	41.30 0.34 1.40	43.12 0.35 1.56	47.45 0.59 1.87	53.05 0.79 0.34	58.66 1.09 0.00	58.26 1.08 0.00	54.36 1.17 0.00	46.13 0.73 0.45	39.54 0.56 0.90	35.56 0.53 0.08
LOWVILLE_115KV_TB2 356335	35.33 1.33 0.00	30.46 0.77 0.00	29.32 0.69 0.00	28.24 0.66 0.00	28.43 0.72 0.00	29.35 0.80 0.00	34.06 0.96 0.00	36.08 1.05 0.00	33.85 0.79 0.00	32.29 0.91 0.00	32.68 0.86 0.00	34.54 0.91 0.00	36.93 0.87 0.00	39.91 1.09 0.00	43.42 1.06 0.00	45.56 1.24 0.00	50.05 1.32 0.00	53.97 1.37 0.00	59.52 1.96 0.00	59.06 1.89 0.00	55.05 1.86 0.00	47.54 1.70 0.00	40.92 1.04 0.00	36.02 0.91 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	35.05 1.05 0.00	30.58 0.89 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.44 0.89 0.00	34.23 1.13 0.00	36.22 1.19 0.00	34.08 1.02 0.00	31.81 0.72 0.29	32.13 0.57 0.27	33.75 0.54 0.41	35.99 0.61 0.69	38.41 0.58 0.99	41.88 0.59 1.07	43.84 0.71 1.20	48.32 1.02 1.44	53.71 1.37 0.26	59.35 1.78 0.00	59.12 1.94 0.00	55.21 2.02 0.00	46.92 1.42 0.35	40.43 1.24 0.69	36.07 1.02 0.06



LUTHERNY_35_KV_BK2 355980	35.05 1.05 0.00	30.61 0.92 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.47 0.91 0.00	34.23 1.13 0.00	36.22 1.19 0.00	34.08 1.02 0.00	31.84 0.75 0.29	32.16 0.60 0.27	33.79 0.57 0.41	36.02 0.65 0.69	38.45 0.62 0.99	41.92 0.64 1.07	43.84 0.71 1.20	48.37 1.07 1.44	53.76 1.42 0.26	59.41 1.84 0.00	59.12 1.94 0.00	55.26 2.07 0.00	46.92 1.42 0.35	40.47 1.28 0.69	36.10 1.05 0.06
LWR___OSWEGATCHIE_HYD 23850	35.16 1.16 0.00	30.49 0.80 0.00	29.38 0.74 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.50 0.94 0.00	34.23 1.13 0.00	36.22 1.19 0.00	33.98 0.93 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.57 0.94 0.00	37.00 0.94 0.00	39.95 1.13 0.00	43.55 1.19 0.00	45.65 1.33 0.00	50.00 1.27 0.00	53.70 1.10 0.00	59.01 1.44 0.00	58.66 1.49 0.00	54.79 1.60 0.00	47.45 1.60 0.00	41.08 1.20 0.00	36.27 1.16 0.00
LYONS_FALL_HYD 23570	35.09 1.09 0.00	30.37 0.68 0.00	29.26 0.63 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.24 0.68 0.00	33.96 0.86 0.00	35.98 0.95 0.00	33.82 0.76 0.00	32.16 0.78 0.00	32.58 0.76 0.00	34.44 0.81 0.00	36.86 0.79 0.00	39.83 1.01 0.00	43.38 1.02 0.00	45.47 1.15 0.00	49.91 1.17 0.00	53.86 1.26 0.00	59.29 1.73 0.00	58.89 1.71 0.00	54.89 1.70 0.00	47.36 1.51 0.00	40.88 1.00 0.00	35.92 0.81 0.00
MADISON___COUNTY_LFGE 323628	34.85 0.85 0.00	30.37 0.68 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.18 0.63 0.00	33.83 0.73 0.00	35.84 0.81 0.00	33.72 0.66 0.00	31.97 0.60 0.00	32.42 0.60 0.00	34.34 0.71 0.00	36.75 0.69 0.00	39.71 0.89 0.00	43.29 0.93 0.00	45.39 1.06 0.00	49.86 1.12 0.00	53.81 1.21 0.00	59.12 1.55 0.00	58.89 1.72 0.00	54.84 1.65 0.00	47.32 1.47 0.00	40.88 1.00 0.00	35.95 0.84 0.00
MALONE___115KV_TB1 356076	34.99 0.99 0.00	30.46 0.77 0.00	29.41 0.77 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.55 1.00 0.00	34.36 1.26 0.00	36.33 1.30 0.00	34.18 1.12 0.00	32.47 1.10 0.00	32.93 1.11 0.00	34.77 1.14 0.00	37.29 1.23 0.00	40.22 1.40 0.00	43.93 1.57 0.00	45.96 1.64 0.00	50.49 1.75 0.00	54.18 1.58 0.00	59.29 1.73 0.00	58.89 1.72 0.00	54.95 1.76 0.00	47.54 1.70 0.00	41.28 1.40 0.00	36.41 1.30 0.00
MAPLEWOD_115KV_TB3 80458	34.48 0.48 0.00	30.13 0.45 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.18 0.47 0.00	28.98 0.43 0.00	33.63 0.53 0.00	35.59 0.56 0.00	33.59 0.53 0.00	31.47 0.38 0.29	31.88 0.32 0.26	33.49 0.27 0.41	35.71 0.32 0.68	38.08 0.23 0.98	41.52 0.21 1.05	43.33 0.18 1.17	47.67 0.34 1.41	52.87 0.53 0.25	58.20 0.63 0.00	57.80 0.63 0.00	53.94 0.74 0.00	45.87 0.37 0.34	39.60 0.40 0.68	35.33 0.28 0.06
MAPLE_RIDGE_WT_1 323574	33.90 -0.10 0.00	29.54 -0.15 0.00	28.43 -0.20 0.00	27.39 -0.19 0.00	27.51 -0.19 0.00	28.36 -0.20 0.00	32.87 -0.23 0.00	34.82 -0.21 0.00	32.93 -0.13 0.00	31.31 -0.06 0.00	31.79 -0.03 0.00	33.63 0.00 0.00	36.03 -0.04 0.00	38.78 -0.04 0.00	42.32 -0.04 0.00	44.28 -0.04 0.00	48.69 -0.05 0.00	52.50 -0.10 0.00	57.45 -0.11 0.00	57.00 -0.17 0.00	52.98 -0.21 0.00	45.57 -0.27 0.00	39.56 -0.32 0.00	34.83 -0.28 0.00
MAPLE_RIDGE_WT_2 323611	33.90 -0.10 0.00	29.54 -0.15 0.00	28.43 -0.20 0.00	27.39 -0.19 0.00	27.51 -0.19 0.00	28.36 -0.20 0.00	32.87 -0.23 0.00	34.82 -0.21 0.00	32.93 -0.13 0.00	31.31 -0.06 0.00	31.79 -0.03 0.00	33.63 0.00 0.00	36.03 -0.04 0.00	38.78 -0.04 0.00	42.32 -0.04 0.00	44.28 -0.04 0.00	48.69 -0.05 0.00	52.50 -0.10 0.00	57.45 -0.11 0.00	57.00 -0.17 0.00	52.98 -0.21 0.00	45.57 -0.27 0.00	39.56 -0.32 0.00	34.83 -0.28 0.00
MARBLE_RIVER_WT_PWR 323696	34.48 0.48 0.00	30.07 0.38 0.00	29.03 0.40 0.00	28.05 0.47 0.00	28.18 0.47 0.00	29.10 0.54 0.00	33.80 0.70 0.00	35.73 0.70 0.00	33.68 0.63 0.00	32.00 0.63 0.00	32.46 0.64 0.00	34.27 0.64 0.00	36.75 0.68 0.00	39.56 0.74 0.00	43.21 0.85 0.00	45.21 0.89 0.00	49.66 0.92 0.00	53.39 0.79 0.00	58.43 0.86 0.00	57.97 0.80 0.00	53.99 0.80 0.00	46.63 0.78 0.00	40.56 0.68 0.00	35.78 0.67 0.00
MARSHVLE_115KV_TB1 80742	36.14 2.14 0.00	31.53 1.84 0.00	30.44 1.80 0.00	29.26 1.68 0.00	29.48 1.77 0.00	30.47 1.91 0.00	35.32 2.22 0.00	37.03 2.00 0.00	34.38 1.32 0.00	31.97 0.75 0.16	32.18 0.51 0.15	33.94 0.54 0.23	36.40 0.72 0.39	39.12 0.85 0.56	42.74 0.97 0.60	45.03 1.37 0.67	49.98 2.05 0.80	55.51 3.05 0.15	61.54 3.97 0.00	61.58 4.40 0.00	57.50 4.31 0.00	49.09 3.44 0.19	42.33 2.83 0.39	37.43 2.35 0.03
MARSH_HILL_WT_PWR 323713	34.85 0.85 0.00	30.49 0.80 0.00	29.26 0.63 0.00	28.10 0.52 0.00	28.18 0.47 0.00	29.10 0.54 0.00	33.27 0.17 0.00	34.61 -0.42 0.00	32.59 -0.46 0.00	31.12 -0.25 0.00	31.82 0.00 0.00	33.76 0.14 0.00	36.21 0.14 0.00	39.25 0.43 0.00	42.91 0.55 0.00	45.08 0.75 0.00	49.22 0.49 0.00	53.39 0.79 0.00	58.20 0.63 0.00	58.49 1.32 0.00	53.99 0.80 0.00	46.86 1.01 0.00	41.40 1.52 0.00	36.23 1.12 0.00
MCINTYRE_115KV_TB2 80467	35.56 1.56 0.00	30.97 1.28 0.00	29.86 1.23 0.00	28.82 1.24 0.00	29.01 1.30 0.00	30.01 1.46 0.00	34.83 1.72 0.00	36.71 1.68 0.00	34.31 1.26 0.00	32.51 1.13 0.00	32.90 1.08 0.00	34.71 1.08 0.00	37.18 1.12 0.00	40.06 1.24 0.00	43.76 1.40 0.00	45.83 1.51 0.00	50.35 1.61 0.00	54.07 1.47 0.00	59.41 1.84 0.00	59.35 2.17 0.00	55.53 2.34 0.00	48.09 2.25 0.00	41.72 1.83 0.00	36.87 1.76 0.00
MECO_____69_KV_BK1 80468	36.28 2.28 0.00	31.65 1.96 0.00	30.55 1.92 0.00	29.37 1.79 0.00	29.62 1.91 0.00	30.58 2.03 0.00	35.55 2.45 0.00	37.31 2.28 0.00	34.64 1.59 0.00	32.13 0.94 0.18	32.26 0.60 0.17	33.84 0.47 0.26	36.28 0.65 0.43	38.93 0.74 0.62	42.62 0.93 0.67	44.95 1.37 0.75	50.03 2.19 0.90	55.65 3.21 0.16	61.77 4.20 0.00	61.86 4.69 0.00	57.82 4.63 0.00	49.25 3.62 0.22	42.44 2.99 0.43	37.57 2.49 0.04
MENANDS___115KV_TB5 355628	34.27 0.27 0.00	29.96 0.27 0.00	28.98 0.34 0.00	27.88 0.30 0.00	28.01 0.30 0.00	28.81 0.26 0.00	33.40 0.30 0.00	35.38 0.35 0.00	33.39 0.33 0.00	31.31 0.22 0.29	31.72 0.16 0.26	33.32 0.10 0.41	35.49 0.11 0.68	37.84 0.00 0.98	41.27 -0.04 1.05	43.02 -0.13 1.17	47.33 0.00 1.41	52.45 0.11 0.25	57.80 0.23 0.00	57.35 0.17 0.00	53.51 0.32 0.00	45.51 0.00 0.34	39.32 0.12 0.68	35.05 0.00 0.06
MG INDUSTRY___DRP 24185	34.37 0.37 0.00	30.05 0.36 0.00	29.06 0.43 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.93 0.37 0.00	33.50 0.40 0.00	35.42 0.39 0.00	33.32 0.26 0.00	31.39 0.16 0.14	31.78 0.10 0.13	33.46 0.03 0.20	35.76 0.04 0.34	38.29 -0.04 0.49	41.75 -0.08 0.53	43.65 -0.09 0.59	48.08 0.05 0.71	52.68 0.21 0.13	57.91 0.35 0.00	57.52 0.34 0.00	53.67 0.48 0.00	45.95 0.28 0.17	39.90 0.36 0.34	35.33 0.25 0.03



MID___OSWEGATCHIE_HYD 23849	35.16 1.16 0.00	30.49 0.80 0.00	29.38 0.74 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.50 0.94 0.00	34.23 1.13 0.00	36.22 1.19 0.00	33.98 0.93 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.57 0.94 0.00	37.00 0.94 0.00	39.95 1.13 0.00	43.55 1.19 0.00	45.65 1.33 0.00	50.00 1.27 0.00	53.70 1.10 0.00	59.01 1.44 0.00	58.66 1.49 0.00	54.79 1.60 0.00	47.45 1.60 0.00	41.08 1.20 0.00	36.27 1.16 0.00
MID___RAQUETTE_HYD 23851	34.99 0.99 0.00	30.43 0.74 0.00	29.38 0.74 0.00	28.35 0.77 0.00	28.59 0.89 0.00	29.55 1.00 0.00	34.33 1.22 0.00	36.26 1.23 0.00	34.05 0.99 0.00	32.35 0.97 0.00	32.77 0.95 0.00	34.64 1.01 0.00	37.11 1.05 0.00	39.98 1.16 0.00	43.68 1.31 0.00	45.74 1.42 0.00	50.00 1.27 0.00	53.49 0.89 0.00	58.49 0.92 0.00	58.15 0.97 0.00	54.36 1.17 0.00	47.13 1.28 0.00	41.08 1.20 0.00	36.37 1.26 0.00
MILLIKEN___1 23584	34.61 0.61 0.00	30.22 0.53 0.00	29.09 0.46 0.00	27.97 0.39 0.00	28.12 0.42 0.00	29.01 0.46 0.00	33.57 0.46 0.00	35.42 0.39 0.00	33.39 0.33 0.00	31.69 0.31 0.00	32.17 0.35 0.00	34.07 0.44 0.00	36.53 0.47 0.00	39.40 0.58 0.00	43.00 0.64 0.00	45.08 0.75 0.00	49.52 0.78 0.00	53.60 1.00 0.00	58.72 1.15 0.00	58.60 1.43 0.00	54.41 1.22 0.00	47.04 1.19 0.00	40.76 0.88 0.00	35.88 0.77 0.00
MILLIKEN___2 23585	34.61 0.61 0.00	30.22 0.53 0.00	29.09 0.46 0.00	27.97 0.39 0.00	28.12 0.42 0.00	29.01 0.46 0.00	33.57 0.46 0.00	35.42 0.39 0.00	33.39 0.33 0.00	31.69 0.31 0.00	32.17 0.35 0.00	34.07 0.44 0.00	36.53 0.47 0.00	39.40 0.58 0.00	43.00 0.64 0.00	45.08 0.75 0.00	49.52 0.78 0.00	53.60 1.00 0.00	58.72 1.15 0.00	58.60 1.43 0.00	54.41 1.22 0.00	47.04 1.19 0.00	40.76 0.88 0.00	35.88 0.77 0.00
MILLIKEN___DIESEL 23629	34.61 0.61 0.00	30.22 0.53 0.00	29.09 0.46 0.00	27.97 0.39 0.00	28.12 0.42 0.00	29.01 0.46 0.00	33.57 0.46 0.00	35.42 0.39 0.00	33.39 0.33 0.00	31.69 0.31 0.00	32.17 0.35 0.00	34.07 0.44 0.00	36.53 0.47 0.00	39.40 0.58 0.00	43.00 0.64 0.00	45.08 0.75 0.00	49.52 0.78 0.00	53.60 1.00 0.00	58.72 1.15 0.00	58.60 1.43 0.00	54.41 1.22 0.00	47.04 1.19 0.00	40.76 0.88 0.00	35.88 0.77 0.00
MILLSEAT___LFGE 323607	35.56 1.56 0.00	31.14 1.45 0.00	29.89 1.26 0.00	28.52 0.94 0.00	28.81 1.11 0.00	29.78 1.23 0.00	33.70 0.60 0.00	35.21 0.18 0.00	33.22 0.17 0.00	31.85 0.47 0.00	32.58 0.76 0.00	34.61 0.98 0.00	37.00 0.94 0.00	40.22 1.40 0.00	44.06 1.70 0.00	46.49 2.17 0.00	50.05 1.32 0.00	53.92 1.32 0.00	58.20 0.63 0.00	58.32 1.14 0.00	53.99 0.80 0.00	47.36 1.51 0.00	41.99 2.11 0.00	37.08 1.96 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	34.99 0.99 0.00	30.52 0.83 0.00	29.38 0.74 0.00	28.27 0.69 0.00	28.45 0.75 0.00	29.27 0.71 0.00	34.13 1.03 0.00	36.36 1.33 0.00	34.38 1.32 0.00	32.97 1.26 -0.34	33.40 1.27 -0.31	35.42 1.31 -0.48	38.38 1.51 -0.80	41.45 1.48 -1.15	45.05 1.44 -1.24	47.08 1.37 -1.38	51.86 1.46 -1.66	54.48 1.58 -0.30	59.29 1.73 0.00	58.60 1.43 0.00	54.57 1.38 0.00	47.35 1.10 -0.40	41.84 1.16 -0.80	36.06 0.88 -0.07
MILLWOOD_13_KV_LOAD 356217	35.02 1.02 0.00	30.55 0.86 0.00	29.43 0.80 0.00	28.30 0.72 0.00	28.48 0.78 0.00	29.30 0.74 0.00	34.20 1.09 0.00	36.40 1.37 0.00	34.45 1.39 0.00	33.00 1.29 -0.34	33.46 1.34 -0.31	35.49 1.38 -0.48	38.45 1.59 -0.80	41.52 1.55 -1.15	45.13 1.53 -1.24	47.17 1.46 -1.38	51.96 1.56 -1.66	54.58 1.68 -0.30	59.41 1.84 0.00	58.72 1.54 0.00	54.68 1.49 0.00	47.44 1.19 -0.40	41.92 1.24 -0.80	36.13 0.95 -0.07
MODEL_CITY_ENERGY 24167	34.41 0.41 0.00	30.22 0.53 0.00	29.03 0.40 0.00	27.50 -0.08 0.00	27.98 0.28 0.00	28.87 0.31 0.00	32.34 -0.76 0.00	33.49 -1.54 0.00	31.77 -1.29 0.00	30.53 -0.85 0.00	31.25 -0.57 0.00	33.19 -0.44 0.00	35.42 -0.65 0.00	38.47 -0.35 0.00	42.07 -0.29 0.00	44.28 -0.04 0.00	48.54 -0.19 0.00	52.18 -0.42 0.00	56.18 -1.38 0.00	56.26 -0.92 0.00	51.97 -1.22 0.00	45.76 -0.09 0.00	40.84 0.96 0.00	36.27 1.16 0.00
MODERN_LFGE___ 323580	34.41 0.41 0.00	30.22 0.53 0.00	29.03 0.40 0.00	27.50 -0.08 0.00	27.98 0.28 0.00	28.87 0.31 0.00	32.34 -0.76 0.00	33.49 -1.54 0.00	31.77 -1.29 0.00	30.53 -0.85 0.00	31.25 -0.57 0.00	33.19 -0.44 0.00	35.42 -0.65 0.00	38.47 -0.35 0.00	42.07 -0.29 0.00	44.28 -0.04 0.00	48.54 -0.19 0.00	52.18 -0.42 0.00	56.18 -1.38 0.00	56.26 -0.92 0.00	51.97 -1.22 0.00	45.76 -0.09 0.00	40.84 0.96 0.00	36.27 1.16 0.00
MOHAWK_PAPER___DRP 24187	34.48 0.48 0.00	30.13 0.45 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.18 0.47 0.00	28.98 0.43 0.00	33.63 0.53 0.00	35.59 0.56 0.00	33.59 0.53 0.00	31.47 0.38 0.29	31.88 0.32 0.26	33.49 0.27 0.41	35.71 0.32 0.68	38.08 0.23 0.98	41.52 0.21 1.05	43.33 0.18 1.17	47.67 0.34 1.41	52.87 0.53 0.25	58.20 0.63 0.00	57.80 0.63 0.00	53.94 0.74 0.00	45.87 0.37 0.34	39.60 0.40 0.68	35.33 0.28 0.06
MOHICAN___35_KV_115KV_LD 80490	34.92 0.92 0.00	30.46 0.77 0.00	29.43 0.80 0.00	28.30 0.72 0.00	28.48 0.78 0.00	29.38 0.83 0.00	34.20 1.09 0.00	36.19 1.16 0.00	34.02 0.96 0.00	31.72 0.63 0.29	31.85 0.29 0.26	33.43 0.20 0.41	35.68 0.29 0.68	38.04 0.19 0.98	41.44 0.13 1.05	43.37 0.22 1.17	47.96 0.63 1.41	53.35 1.00 0.25	59.24 1.67 0.00	59.12 1.94 0.00	55.37 2.18 0.00	46.93 1.42 0.34	40.44 1.24 0.68	36.04 0.98 0.06
MONGAUP___HYD 23641	35.02 1.02 0.00	30.55 0.86 0.00	29.43 0.80 0.00	28.30 0.72 0.00	28.48 0.77 0.00	29.30 0.74 0.00	34.13 1.03 0.00	36.18 1.15 0.00	34.08 1.03 0.00	32.57 0.91 -0.29	32.97 0.89 -0.26	34.91 0.87 -0.41	37.82 1.08 -0.68	40.84 1.05 -0.97	44.43 1.02 -1.05	46.56 1.06 -1.17	51.36 1.22 -1.41	54.43 1.58 -0.25	59.53 1.96 0.00	59.06 1.88 0.00	55.16 1.97 0.00	47.61 1.42 -0.34	41.75 1.20 -0.68	36.22 1.05 -0.06
MONTAUK___DIESEL 23721	37.37 3.37 0.00	31.92 2.23 0.00	30.67 2.03 0.00	29.07 1.49 0.00	29.23 1.52 0.00	30.67 2.11 0.00	35.72 2.62 0.00	38.39 3.36 0.00	35.97 2.91 0.00	33.91 2.20 -0.34	34.42 2.29 -0.31	36.74 2.62 -0.48	39.57 2.70 -0.81	42.46 2.48 -1.16	45.23 1.61 -1.25	47.53 1.82 -1.39	52.02 1.61 -1.67	55.64 2.74 -0.30	62.29 4.72 0.00	60.09 2.92 0.00	55.80 2.61 0.00	47.44 1.19 -0.40	42.64 1.95 -0.81	37.39 2.21 -0.07
MOONROAD_115KV_HARTFLD_TB1-2 355988	34.58 0.58 0.00	30.28 0.59 0.00	29.03 0.40 0.00	27.83 0.25 0.00	27.95 0.25 0.00	28.95 0.40 0.00	33.04 -0.07 0.00	34.54 -0.49 0.00	32.86 -0.20 0.00	31.78 0.41 0.00	32.65 0.83 0.00	34.77 1.14 0.00	37.36 1.30 0.00	40.57 1.75 0.00	44.44 2.08 0.00	46.67 2.35 0.00	51.22 2.49 0.00	54.81 2.21 0.00	59.35 1.78 0.00	59.40 2.23 0.00	54.57 1.38 0.00	47.73 1.88 0.00	41.44 1.56 0.00	36.90 1.79 0.00



MORRIS_RIDGE___SOLAR 323848	34.48 0.48 0.00	30.22 0.53 0.00	29.03 0.40 0.00	27.86 0.28 0.00	27.95 0.25 0.00	28.84 0.29 0.00	32.91 -0.20 0.00	34.19 -0.84 0.00	32.20 -0.86 0.00	30.75 -0.63 0.00	31.47 -0.35 0.00	33.40 -0.23 0.00	35.77 -0.29 0.00	38.78 -0.04 0.00	42.36 0.00 0.00	44.55 0.22 0.00	48.74 0.00 0.00	52.81 0.21 0.00	57.51 -0.06 0.00	57.80 0.63 0.00	53.40 0.21 0.00	46.58 0.73 0.00	41.20 1.31 0.00	36.16 1.05 0.00
MORTIMER_115KV_TB3 55949	34.44 0.44 0.00	30.16 0.48 0.00	28.98 0.34 0.00	27.86 0.28 0.00	27.95 0.25 0.00	28.81 0.26 0.00	33.01 -0.10 0.00	34.71 -0.32 0.00	32.83 -0.23 0.00	31.41 0.03 0.00	32.07 0.25 0.00	34.03 0.40 0.00	36.42 0.36 0.00	39.40 0.58 0.00	43.17 0.80 0.00	45.34 1.02 0.00	49.76 1.02 0.00	53.65 1.05 0.00	58.08 0.52 0.00	57.92 0.74 0.00	53.72 0.53 0.00	46.81 0.96 0.00	40.72 0.84 0.00	36.09 0.98 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.29 1.57 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.44 1.82 -1.25	47.45 1.73 -1.39	52.22 1.80 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.73 1.54 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
MUNSVILLE_WIND_PWR 323609	36.28 2.28 0.00	31.65 1.96 0.00	30.41 1.78 0.00	29.23 1.65 0.00	29.39 1.69 0.00	30.38 1.83 0.00	35.19 2.09 0.00	37.27 2.24 0.00	34.87 1.82 0.00	32.94 1.57 0.00	33.35 1.53 0.00	35.41 1.78 0.00	37.83 1.77 0.00	40.99 2.17 0.00	44.56 2.20 0.00	46.98 2.66 0.00	51.56 2.83 0.00	55.81 3.21 0.00	61.71 4.15 0.00	61.75 4.58 0.00	57.34 4.15 0.00	49.47 3.62 0.00	42.60 2.71 0.00	37.25 2.14 0.00
N SALMON___HYD 24042	34.99 0.99 0.00	30.46 0.77 0.00	29.41 0.77 0.00	28.44 0.86 0.00	28.59 0.89 0.00	29.55 1.00 0.00	34.36 1.26 0.00	36.33 1.30 0.00	34.18 1.12 0.00	32.47 1.10 0.00	32.93 1.11 0.00	34.77 1.14 0.00	37.29 1.23 0.00	40.22 1.40 0.00	43.93 1.57 0.00	45.96 1.64 0.00	50.49 1.75 0.00	54.18 1.58 0.00	59.29 1.73 0.00	58.89 1.71 0.00	54.94 1.75 0.00	47.55 1.70 0.00	41.28 1.40 0.00	36.41 1.30 0.00
N.AKRON__115KV_KNAPP 355671	35.16 1.16 0.00	30.88 1.19 0.00	29.61 0.97 0.00	28.21 0.63 0.00	28.54 0.83 0.00	29.44 0.89 0.00	33.27 0.17 0.00	34.64 -0.39 0.00	32.76 -0.30 0.00	31.44 0.06 0.00	32.17 0.35 0.00	34.17 0.54 0.00	36.53 0.47 0.00	39.60 0.78 0.00	43.42 1.06 0.00	45.70 1.37 0.00	49.96 1.22 0.00	53.81 1.21 0.00	58.14 0.58 0.00	58.20 1.03 0.00	53.83 0.64 0.00	47.22 1.38 0.00	41.16 1.28 0.00	36.76 1.65 0.00
N.E_GEN_SANDY PD 24062	34.61 0.61 0.00	30.28 0.59 0.00	29.23 0.60 0.00	28.10 0.52 0.00	28.29 0.58 0.00	29.01 0.46 0.00	33.77 0.66 0.00	35.80 0.77 0.00	33.78 0.73 0.00	29.82 0.57 2.12	30.40 0.51 1.93	31.10 0.47 3.00	31.60 0.54 5.01	32.04 0.43 7.21	35.00 0.42 7.79	35.89 0.31 8.74	38.90 0.49 10.32	51.30 0.58 1.88	58.37 0.81 0.00	57.86 0.69 0.00	53.93 0.74 0.00	43.70 0.37 2.51	35.20 0.32 5.00	35.00 0.32 0.43
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	34.95 0.95 0.00	30.52 0.83 0.00	29.35 0.72 0.00	28.24 0.66 0.00	28.43 0.72 0.00	29.24 0.69 0.00	34.13 1.03 0.00	36.33 1.30 0.00	34.35 1.29 0.00	32.95 1.26 -0.32	33.38 1.27 -0.29	35.39 1.31 -0.45	38.34 1.51 -0.76	41.38 1.48 -1.09	45.02 1.48 -1.18	47.05 1.42 -1.31	51.82 1.51 -1.57	54.57 1.68 -0.28	59.35 1.78 0.00	58.72 1.54 0.00	54.63 1.44 0.00	47.37 1.15 -0.38	41.83 1.20 -0.76	36.09 0.91 -0.06
N.QUEENS_27_KV_LOAD 356247	35.56 1.56 0.00	31.00 1.31 0.00	29.86 1.23 0.00	28.79 1.21 0.00	28.95 1.25 0.00	29.58 1.03 0.00	34.43 1.32 0.00	36.57 1.54 0.00	34.64 1.59 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.52 1.91 -1.25	47.40 1.68 -1.39	52.07 1.66 -1.67	54.27 1.37 -0.30	59.01 1.44 0.00	58.38 1.20 0.00	54.25 1.06 0.00	47.54 1.28 -0.40	42.40 1.71 -0.81	36.76 1.58 -0.07
N.TROY___115KV_TB1 355778	34.71 0.71 0.00	30.31 0.62 0.00	29.29 0.66 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.15 0.60 0.00	33.87 0.76 0.00	35.84 0.81 0.00	33.78 0.73 0.00	31.50 0.50 0.38	31.89 0.41 0.35	33.49 0.40 0.54	35.60 0.43 0.90	37.87 0.35 1.30	41.30 0.34 1.40	43.12 0.35 1.56	47.45 0.58 1.87	53.10 0.84 0.34	58.66 1.09 0.00	58.26 1.09 0.00	54.36 1.17 0.00	46.13 0.73 0.45	39.66 0.68 0.90	35.56 0.53 0.08
NARROWS_GT1_1 24228	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT1_2 24229	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT1_3 24230	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT1_4 24231	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT1_5 24232	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08



NARROWS_GT1_6 24233	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT1_7 24234	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT1_8 24235	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT2_1 24236	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT2_2 24237	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT2_3 24238	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT2_4 24239	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT2_5 24240	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT2_6 24241	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT2_7 24242	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NARROWS_GT2_8 24243	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	34.68 0.68 0.00	30.31 0.62 0.00	29.35 0.72 0.00	28.21 0.63 0.00	28.37 0.66 0.00	29.15 0.60 0.00	33.83 0.73 0.00	35.66 0.63 0.00	33.52 0.46 0.00	31.81 0.53 0.10	32.11 0.38 0.09	33.82 0.34 0.14	36.19 0.36 0.23	38.79 0.31 0.34	42.34 0.34 0.37	44.32 0.40 0.41	48.93 0.68 0.49	53.72 1.21 0.09	58.66 1.09 0.00	58.38 1.20 0.00	54.63 1.44 0.00	46.97 1.24 0.12	40.76 1.12 0.23	35.97 0.88 0.02
NCHELSEA_115KV_TR2 355582	35.05 1.05 0.00	30.61 0.92 0.00	29.52 0.89 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.36 1.33 0.00	34.28 1.22 0.00	32.78 1.13 -0.27	33.21 1.15 -0.25	35.06 1.04 -0.39	37.86 1.15 -0.65	40.88 1.13 -0.93	44.51 1.14 -1.01	46.55 1.11 -1.12	51.30 1.22 -1.34	54.26 1.42 -0.24	59.18 1.61 0.00	58.55 1.37 0.00	54.89 1.70 0.00	47.50 1.33 -0.32	41.84 1.32 -0.65	36.22 1.05 -0.05
NEG CAPITAL___MECHNVIL 23645	35.12 1.12 0.00	30.67 0.98 0.00	29.61 0.97 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.50 0.94 0.00	34.29 1.19 0.00	36.29 1.26 0.00	34.18 1.12 0.00	31.90 0.85 0.33	32.22 0.70 0.30	33.84 0.67 0.46	36.09 0.79 0.77	38.45 0.74 1.10	41.97 0.80 1.19	43.88 0.89 1.33	48.41 1.27 1.59	53.89 1.58 0.29	59.58 2.01 0.00	59.29 2.12 0.00	55.37 2.18 0.00	46.97 1.51 0.38	40.35 1.24 0.77	36.13 1.09 0.07
NEG CENTRAL_HIGH_ACRES 23767	33.69 -0.31 0.00	29.48 -0.21 0.00	28.35 -0.29 0.00	27.25 -0.33 0.00	27.34 -0.36 0.00	28.24 -0.31 0.00	32.41 -0.70 0.00	34.16 -0.87 0.00	32.30 -0.76 0.00	30.87 -0.50 0.00	31.50 -0.32 0.00	33.40 -0.23 0.00	35.74 -0.33 0.00	38.70 -0.12 0.00	42.32 -0.04 0.00	44.55 0.22 0.00	48.79 0.05 0.00	52.60 0.00 0.00	57.05 -0.52 0.00	56.89 -0.28 0.00	52.76 -0.43 0.00	45.89 0.05 0.00	40.28 0.40 0.00	35.25 0.14 0.00



NEG CENTRAL___DRP 24199	34.34 0.34 0.00	30.02 0.33 0.00	28.86 0.23 0.00	27.75 0.17 0.00	27.87 0.17 0.00	28.75 0.20 0.00	33.24 0.13 0.00	35.03 0.00 0.00	33.06 0.00 0.00	31.47 0.09 0.00	32.04 0.22 0.00	33.93 0.30 0.00	36.39 0.32 0.00	39.32 0.50 0.00	43.00 0.64 0.00	45.08 0.75 0.00	49.32 0.58 0.00	53.34 0.74 0.00	58.26 0.69 0.00	58.15 0.97 0.00	53.88 0.69 0.00	46.77 0.92 0.00	40.56 0.68 0.00	35.78 0.67 0.00
NEG CENTRAL___INDECK 23768	35.63 1.63 0.00	31.17 1.48 0.00	29.92 1.29 0.00	28.74 1.16 0.00	28.84 1.14 0.00	29.81 1.25 0.00	34.13 1.03 0.00	35.62 0.59 0.00	33.39 0.33 0.00	31.78 0.41 0.00	32.39 0.57 0.00	34.34 0.71 0.00	36.78 0.72 0.00	39.87 1.05 0.00	43.63 1.27 0.00	46.01 1.68 0.00	48.84 0.10 0.00	52.92 0.32 0.00	57.80 0.23 0.00	58.38 1.20 0.00	54.25 1.06 0.00	47.31 1.47 0.00	42.83 2.95 0.00	37.39 2.28 0.00
NEG CENTRAL___SENECA 23627	34.65 0.65 0.00	30.28 0.59 0.00	29.09 0.46 0.00	27.97 0.39 0.00	28.09 0.39 0.00	28.98 0.43 0.00	33.44 0.33 0.00	35.17 0.14 0.00	33.22 0.17 0.00	31.63 0.25 0.00	32.23 0.41 0.00	34.17 0.54 0.00	36.64 0.58 0.00	39.60 0.78 0.00	43.29 0.93 0.00	45.39 1.06 0.00	49.66 0.93 0.00	53.70 1.10 0.00	58.60 1.04 0.00	58.55 1.37 0.00	54.20 1.01 0.00	47.13 1.28 0.00	40.92 1.04 0.00	36.13 1.02 0.00
NEG CENTRAL___STATE_STREET 24147	34.17 0.17 0.00	29.84 0.15 0.00	28.72 0.09 0.00	27.64 0.06 0.00	27.76 0.06 0.00	28.61 0.06 0.00	33.14 0.03 0.00	34.96 -0.07 0.00	33.02 -0.03 0.00	31.38 0.00 0.00	31.95 0.13 0.00	33.80 0.17 0.00	36.24 0.18 0.00	39.13 0.31 0.00	42.74 0.38 0.00	44.81 0.49 0.00	49.18 0.44 0.00	53.18 0.58 0.00	58.14 0.58 0.00	57.92 0.74 0.00	53.78 0.59 0.00	46.54 0.69 0.00	40.36 0.48 0.00	35.50 0.39 0.00
NEG MILLWOOD___DRP 24198	35.16 1.16 0.00	30.64 0.95 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.62 0.91 0.00	29.41 0.86 0.00	34.30 1.19 0.00	36.47 1.44 0.00	34.45 1.39 0.00	32.97 1.29 -0.30	33.46 1.37 -0.28	35.40 1.35 -0.43	38.29 1.51 -0.72	41.37 1.51 -1.03	45.00 1.53 -1.11	47.03 1.46 -1.24	51.83 1.61 -1.49	54.66 1.79 -0.27	59.58 2.01 0.00	58.95 1.77 0.00	55.05 1.86 0.00	47.63 1.42 -0.36	41.99 1.40 -0.72	36.22 1.05 -0.06
NEG NORTH_FLCN_SEA 23793	35.36 1.36 0.00	30.82 1.13 0.00	29.78 1.15 0.00	28.77 1.19 0.00	28.92 1.22 0.00	29.87 1.31 0.00	34.69 1.59 0.00	36.68 1.65 0.00	34.54 1.49 0.00	32.85 1.47 0.00	33.28 1.46 0.00	35.14 1.51 0.00	37.69 1.62 0.00	40.68 1.86 0.00	44.44 2.08 0.00	46.50 2.17 0.00	51.13 2.39 0.00	54.91 2.31 0.00	60.10 2.53 0.00	59.63 2.46 0.00	55.58 2.39 0.00	48.09 2.25 0.00	41.72 1.83 0.00	36.80 1.69 0.00
NEG NORTH_KES_CHATEGAY 23792	34.54 0.54 0.00	30.13 0.45 0.00	29.09 0.46 0.00	28.10 0.52 0.00	28.23 0.53 0.00	29.18 0.63 0.00	33.87 0.76 0.00	35.80 0.77 0.00	33.72 0.66 0.00	32.00 0.63 0.00	32.42 0.60 0.00	34.27 0.64 0.00	36.71 0.65 0.00	39.52 0.70 0.00	43.17 0.80 0.00	45.17 0.84 0.00	49.66 0.93 0.00	53.44 0.84 0.00	58.55 0.98 0.00	58.15 0.97 0.00	54.20 1.01 0.00	46.81 0.96 0.00	40.68 0.80 0.00	35.88 0.77 0.00
NEG NORTH___ALICE_FALLS 23915	35.36 1.36 0.00	30.82 1.13 0.00	29.75 1.12 0.00	28.77 1.19 0.00	28.90 1.19 0.00	29.87 1.31 0.00	34.69 1.59 0.00	36.68 1.65 0.00	34.54 1.49 0.00	32.82 1.44 0.00	33.25 1.43 0.00	35.11 1.48 0.00	37.65 1.59 0.00	40.61 1.79 0.00	44.40 2.03 0.00	46.45 2.13 0.00	51.08 2.34 0.00	54.91 2.31 0.00	60.16 2.53 0.00	59.69 2.52 0.00	55.64 2.45 0.00	48.14 2.29 0.00	41.76 1.87 0.00	36.80 1.69 0.00
NEG NORTH___LWR_SARANAC 23913	35.36 1.36 0.00	30.82 1.13 0.00	29.75 1.12 0.00	28.77 1.19 0.00	28.90 1.19 0.00	29.87 1.31 0.00	34.69 1.59 0.00	36.68 1.65 0.00	34.54 1.49 0.00	32.82 1.44 0.00	33.25 1.43 0.00	35.11 1.48 0.00	37.65 1.59 0.00	40.61 1.79 0.00	44.40 2.03 0.00	46.45 2.13 0.00	51.08 2.34 0.00	54.91 2.31 0.00	60.16 2.53 0.00	59.69 2.52 0.00	55.64 2.45 0.00	48.14 2.29 0.00	41.76 1.87 0.00	36.80 1.69 0.00
NEG NORTH___PLATTSBURG 23628	35.36 1.36 0.00	30.82 1.13 0.00	29.75 1.12 0.00	28.77 1.19 0.00	28.90 1.19 0.00	29.87 1.31 0.00	34.69 1.59 0.00	36.68 1.65 0.00	34.55 1.49 0.00	32.82 1.44 0.00	33.25 1.43 0.00	35.11 1.48 0.00	37.65 1.59 0.00	40.61 1.79 0.00	44.40 2.03 0.00	46.45 2.13 0.00	51.08 2.34 0.00	54.91 2.31 0.00	60.16 2.53 0.00	59.69 2.51 0.00	55.64 2.45 0.00	48.14 2.29 0.00	41.76 1.87 0.00	36.80 1.69 0.00
NEG WEST_LEA_LOCKPORT 23791	34.54 0.54 0.00	30.37 0.68 0.00	29.15 0.52 0.00	27.77 0.19 0.00	28.09 0.39 0.00	28.93 0.37 0.00	32.61 -0.50 0.00	33.84 -1.19 0.00	32.07 -0.99 0.00	30.84 -0.53 0.00	31.57 -0.25 0.00	33.56 -0.07 0.00	35.81 -0.25 0.00	38.82 0.00 0.00	42.53 0.17 0.00	44.68 0.35 0.00	49.08 0.34 0.00	52.76 0.16 0.00	56.93 -0.63 0.00	56.95 -0.23 0.00	52.55 -0.64 0.00	46.21 0.37 0.00	40.44 0.56 0.00	36.20 1.09 0.00
NEG WEST___LANCASTR 23811	34.14 0.14 0.00	29.96 0.27 0.00	28.72 0.09 0.00	27.55 -0.03 0.00	27.70 0.00 0.00	28.58 0.03 0.00	32.51 -0.60 0.00	33.84 -1.19 0.00	32.10 -0.96 0.00	30.91 -0.47 0.00	31.66 -0.16 0.00	33.66 0.03 0.00	36.03 -0.04 0.00	39.05 0.23 0.00	42.74 0.38 0.00	44.90 0.58 0.00	49.32 0.58 0.00	53.13 0.53 0.00	57.45 -0.12 0.00	57.52 0.34 0.00	52.92 -0.27 0.00	46.31 0.46 0.00	40.32 0.44 0.00	36.09 0.98 0.00
NEG_PENN_ALLEGHNY 23528	34.44 0.44 0.00	30.10 0.42 0.00	28.98 0.34 0.00	27.86 0.28 0.00	28.01 0.31 0.00	28.90 0.34 0.00	33.34 0.23 0.00	35.17 0.14 0.00	33.26 0.20 0.00	31.68 0.25 -0.05	32.22 0.35 -0.05	34.14 0.44 -0.08	36.69 0.50 -0.13	39.62 0.62 -0.18	43.23 0.68 -0.20	45.29 0.75 -0.22	49.78 0.78 -0.26	53.54 0.89 -0.05	58.37 0.81 0.00	58.15 0.97 0.00	53.93 0.74 0.00	46.69 0.78 -0.06	40.81 0.80 -0.13	35.75 0.63 -0.01
NEG___GEN_MONROE 24207	34.71 0.71 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.09 0.39 0.00	28.98 0.43 0.00	33.17 0.07 0.00	34.82 -0.21 0.00	32.89 -0.17 0.00	31.47 0.09 0.00	32.17 0.35 0.00	34.13 0.50 0.00	36.50 0.43 0.00	39.56 0.74 0.00	43.38 1.02 0.00	45.61 1.29 0.00	49.86 1.12 0.00	53.76 1.16 0.00	58.26 0.69 0.00	58.26 1.09 0.00	54.04 0.85 0.00	47.18 1.33 0.00	41.00 1.12 0.00	36.48 1.37 0.00
NEPA___ENERGY 23901	34.51 0.51 0.00	30.28 0.59 0.00	29.00 0.37 0.00	27.86 0.28 0.00	27.98 0.28 0.00	28.90 0.34 0.00	32.84 -0.26 0.00	34.22 -0.81 0.00	32.50 -0.56 0.00	31.28 -0.09 0.00	32.04 0.22 0.00	34.07 0.44 0.00	36.50 0.43 0.00	39.52 0.70 0.00	43.21 0.85 0.00	45.34 1.02 0.00	49.86 1.12 0.00	53.81 1.21 0.00	58.20 0.63 0.00	58.20 1.03 0.00	53.56 0.37 0.00	46.86 1.01 0.00	40.84 0.96 0.00	36.48 1.37 0.00



NEVERSINK___HYD 23608	34.85 0.85 0.00	30.40 0.71 0.00	29.29 0.66 0.00	28.19 0.61 0.00	28.34 0.64 0.00	29.15 0.60 0.00	33.96 0.86 0.00	36.08 1.05 0.00	34.08 1.03 0.00	32.54 0.94 -0.22	32.97 0.95 -0.20	34.88 0.94 -0.31	37.67 1.08 -0.52	40.66 1.09 -0.75	44.27 1.10 -0.81	46.38 1.15 -0.90	51.09 1.27 -1.08	54.27 1.47 -0.20	59.35 1.79 0.00	58.77 1.60 0.00	54.84 1.65 0.00	47.35 1.24 -0.26	41.44 1.04 -0.52	36.03 0.88 -0.04
NEWKRMKL_115KV_TB1 55635	34.10 0.10 0.00	29.81 0.12 0.00	28.86 0.23 0.00	27.77 0.19 0.00	27.90 0.19 0.00	28.67 0.11 0.00	33.27 0.17 0.00	35.24 0.21 0.00	33.26 0.20 0.00	31.21 0.09 0.26	31.62 0.03 0.24	33.26 0.00 0.37	35.41 -0.04 0.61	37.78 -0.16 0.88	41.20 -0.21 0.95	42.95 -0.31 1.06	47.27 -0.19 1.27	52.26 -0.11 0.23	57.51 -0.06 0.00	57.06 -0.11 0.00	53.24 0.05 0.00	45.36 -0.18 0.31	39.23 -0.04 0.61	34.92 -0.14 0.05
NEWTON___FALLS_HYD 23847	35.16 1.16 0.00	30.49 0.80 0.00	29.38 0.74 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.50 0.94 0.00	34.23 1.13 0.00	36.22 1.19 0.00	33.98 0.93 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.57 0.94 0.00	37.00 0.94 0.00	39.95 1.13 0.00	43.55 1.19 0.00	45.65 1.33 0.00	50.00 1.27 0.00	53.70 1.10 0.00	59.01 1.44 0.00	58.66 1.49 0.00	54.79 1.60 0.00	47.45 1.60 0.00	41.08 1.20 0.00	36.27 1.16 0.00
NGRID_A1_DSASP 323792	33.69 -0.31 0.00	29.60 -0.09 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.24 -0.31 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.03 -0.79 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.12 -0.70 0.00	41.68 -0.68 0.00	43.84 -0.49 0.00	48.06 -0.68 0.00	51.65 -0.95 0.00	55.55 -2.02 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.25 -0.60 0.00	40.44 0.56 0.00	35.50 0.39 0.00
NGRID_A2_DSASP 323793	33.69 -0.31 0.00	29.60 -0.09 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.24 -0.31 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.03 -0.79 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.12 -0.70 0.00	41.68 -0.68 0.00	43.84 -0.49 0.00	48.06 -0.68 0.00	51.65 -0.95 0.00	55.55 -2.02 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.25 -0.60 0.00	40.44 0.56 0.00	35.50 0.39 0.00
NGRID_A4_DSASP 323807	33.69 -0.31 0.00	29.60 -0.09 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.24 -0.31 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.03 -0.79 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.12 -0.70 0.00	41.68 -0.68 0.00	43.84 -0.49 0.00	48.06 -0.68 0.00	51.65 -0.95 0.00	55.55 -2.02 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.25 -0.60 0.00	40.44 0.56 0.00	35.50 0.39 0.00
NIAGARA_115E_LBMP 323715	34.31 0.31 0.00	30.14 0.45 0.00	28.95 0.32 0.00	27.36 -0.22 0.00	27.90 0.20 0.00	28.78 0.23 0.00	32.21 -0.89 0.00	33.31 -1.72 0.00	31.57 -1.49 0.00	30.37 -1.01 0.00	31.09 -0.73 0.00	33.03 -0.60 0.00	35.24 -0.83 0.00	38.24 -0.58 0.00	41.81 -0.55 0.00	43.97 -0.36 0.00	48.20 -0.54 0.00	51.81 -0.79 0.00	55.84 -1.73 0.00	55.86 -1.31 0.00	51.60 -1.59 0.00	45.43 -0.41 0.00	40.60 0.72 0.00	36.13 1.02 0.00
NIAGARA_115W_LBMP 323714	33.59 -0.41 0.00	29.51 -0.18 0.00	28.35 -0.29 0.00	27.75 0.17 0.00	27.32 -0.39 0.00	28.18 -0.37 0.00	31.85 -1.26 0.00	33.14 -1.89 0.00	31.44 -1.62 0.00	30.22 -1.16 0.00	30.93 -0.89 0.00	32.86 -0.77 0.00	35.02 -1.05 0.00	38.00 -0.82 0.00	41.56 -0.81 0.00	43.70 -0.62 0.00	47.91 -0.83 0.00	51.49 -1.11 0.00	55.38 -2.19 0.00	55.46 -1.71 0.00	51.22 -1.97 0.00	45.11 -0.74 0.00	40.32 0.44 0.00	35.39 0.28 0.00
NIAGARA_230_LBMP 323716	34.07 0.07 0.00	29.93 0.24 0.00	28.72 0.09 0.00	27.61 0.03 0.00	27.68 -0.03 0.00	28.55 0.00 0.00	32.28 -0.83 0.00	33.59 -1.44 0.00	31.87 -1.19 0.00	30.62 -0.75 0.00	31.34 -0.48 0.00	33.29 -0.34 0.00	35.49 -0.58 0.00	38.51 -0.31 0.00	42.11 -0.25 0.00	44.28 -0.04 0.00	48.54 -0.19 0.00	52.18 -0.42 0.00	56.18 -1.38 0.00	56.20 -0.97 0.00	51.91 -1.28 0.00	45.71 -0.14 0.00	40.80 0.92 0.00	35.85 0.74 0.00
NIAGARA___115KV_198_GIBSON 55903	33.59 -0.41 0.00	29.54 -0.15 0.00	28.35 -0.29 0.00	27.75 0.17 0.00	27.32 -0.39 0.00	28.10 -0.46 0.00	31.85 -1.26 0.00	33.14 -1.89 0.00	31.44 -1.62 0.00	30.22 -1.16 0.00	30.93 -0.89 0.00	32.86 -0.77 0.00	35.05 -1.01 0.00	37.93 -0.89 0.00	41.56 -0.80 0.00	43.61 -0.71 0.00	47.91 -0.83 0.00	51.44 -1.16 0.00	55.44 -2.13 0.00	55.46 -1.72 0.00	51.17 -2.02 0.00	45.07 -0.78 0.00	39.48 -0.40 0.00	35.92 0.81 0.00
NIAGARA____ 23760	34.07 0.07 0.00	29.93 0.24 0.00	28.72 0.09 0.00	27.61 0.03 0.00	27.68 -0.03 0.00	28.55 0.00 0.00	32.28 -0.83 0.00	33.59 -1.44 0.00	31.87 -1.19 0.00	30.62 -0.75 0.00	31.34 -0.48 0.00	33.29 -0.34 0.00	35.49 -0.58 0.00	38.51 -0.31 0.00	42.11 -0.25 0.00	44.28 -0.04 0.00	48.54 -0.19 0.00	52.18 -0.42 0.00	56.18 -1.38 0.00	56.20 -0.97 0.00	51.91 -1.28 0.00	45.71 -0.14 0.00	40.80 0.92 0.00	35.85 0.74 0.00
NINE_MILE_1 23575	33.05 -0.95 0.00	28.86 -0.83 0.00	27.80 -0.83 0.00	26.78 -0.80 0.00	26.90 -0.80 0.00	27.73 -0.83 0.00	32.08 -1.03 0.00	33.91 -1.12 0.00	32.03 -1.03 0.00	30.44 -0.94 0.00	30.90 -0.92 0.00	32.69 -0.94 0.00	35.02 -1.05 0.00	37.81 -1.01 0.00	41.26 -1.10 0.00	43.17 -1.15 0.00	47.47 -1.27 0.00	51.23 -1.37 0.00	56.02 -1.55 0.00	55.69 -1.49 0.00	51.76 -1.43 0.00	44.70 -1.14 0.00	38.92 -0.96 0.00	34.20 -0.91 0.00
NINE_MILE_2 23744	33.05 -0.95 0.00	28.86 -0.83 0.00	27.80 -0.83 0.00	26.78 -0.80 0.00	26.90 -0.80 0.00	27.73 -0.83 0.00	32.08 -1.03 0.00	33.91 -1.12 0.00	32.03 -1.03 0.00	30.44 -0.94 0.00	30.90 -0.92 0.00	32.69 -0.94 0.00	35.05 -1.01 0.00	37.81 -1.01 0.00	41.26 -1.10 0.00	43.17 -1.15 0.00	47.47 -1.27 0.00	51.23 -1.37 0.00	56.02 -1.55 0.00	55.69 -1.49 0.00	51.76 -1.43 0.00	44.70 -1.14 0.00	38.92 -0.96 0.00	34.20 -0.91 0.00
NM_CAPITAL___DRP 24208	34.17 0.17 0.00	29.90 0.21 0.00	28.92 0.29 0.00	27.83 0.25 0.00	27.95 0.25 0.00	28.73 0.17 0.00	33.34 0.23 0.00	35.31 0.28 0.00	33.32 0.26 0.00	31.25 0.16 0.29	31.66 0.10 0.26	33.26 0.03 0.40	35.43 0.04 0.67	37.77 -0.08 0.97	41.14 -0.17 1.05	42.89 -0.27 1.17	47.19 -0.15 1.40	52.29 -0.05 0.25	57.62 0.06 0.00	57.17 0.00 0.00	53.35 0.16 0.00	45.37 -0.14 0.34	39.21 0.00 0.67	34.98 -0.07 0.06
NM_CENTRAL___DRP 24181	33.69 -0.31 0.00	29.45 -0.24 0.00	28.35 -0.29 0.00	27.30 -0.28 0.00	27.43 -0.28 0.00	28.27 -0.29 0.00	32.74 -0.36 0.00	34.57 -0.46 0.00	32.69 -0.36 0.00	31.09 -0.28 0.00	31.60 -0.22 0.00	33.43 -0.20 0.00	35.85 -0.22 0.00	38.66 -0.16 0.00	42.24 -0.13 0.00	44.19 -0.13 0.00	48.54 -0.19 0.00	52.34 -0.26 0.00	57.16 -0.40 0.00	56.89 -0.29 0.00	52.82 -0.37 0.00	45.71 -0.14 0.00	39.68 -0.20 0.00	34.93 -0.18 0.00



NM_FRONTIER___DRP 24179	33.59 -0.41 0.00	29.54 -0.15 0.00	28.35 -0.29 0.00	27.75 0.17 0.00	27.32 -0.39 0.00	28.10 -0.46 0.00	31.85 -1.26 0.00	33.14 -1.89 0.00	31.44 -1.62 0.00	30.22 -1.16 0.00	30.93 -0.89 0.00	32.86 -0.77 0.00	35.05 -1.01 0.00	37.93 -0.89 0.00	41.56 -0.80 0.00	43.61 -0.71 0.00	47.91 -0.83 0.00	51.44 -1.16 0.00	55.44 -2.13 0.00	55.46 0.00 0.00	51.17 -2.02 0.00	45.07 -0.78 0.00	39.48 -0.40 0.00	35.92 0.81 0.00
NM_ST_REGIS___HYD 24053	35.02 1.02 0.00	30.46 0.77 0.00	29.41 0.77 0.00	28.41 0.83 0.00	28.62 0.91 0.00	29.58 1.03 0.00	34.36 1.26 0.00	36.33 1.30 0.00	34.12 1.06 0.00	32.41 1.04 0.00	32.84 1.02 0.00	34.71 1.08 0.00	37.18 1.12 0.00	40.10 1.28 0.00	43.80 1.44 0.00	45.83 1.51 0.00	50.20 1.46 0.00	53.70 1.10 0.00	58.78 1.21 0.00	58.43 1.26 0.00	54.57 1.38 0.00	47.27 1.42 0.00	41.16 1.28 0.00	36.41 1.30 0.00
NORTHPORT___1 23551	36.12 2.11 -0.01	31.14 1.45 0.00	29.92 1.29 0.00	28.54 0.96 0.00	28.73 1.03 0.00	29.92 1.37 0.00	35.02 1.92 0.00	37.45 2.42 0.00	35.24 2.18 0.00	33.41 1.69 -0.34	33.94 1.81 -0.31	36.16 2.05 -0.48	38.85 1.98 -0.81	41.57 1.59 -1.16	44.21 0.59 -1.25	46.38 0.67 -1.39	50.90 0.49 -1.67	54.37 1.47 -0.30	60.16 2.59 0.00	58.32 1.14 0.00	54.63 1.44 0.00	46.66 0.41 -0.40	41.32 0.64 -0.81	36.55 1.37 -0.07
NORTHPORT___2 23552	36.12 2.11 -0.01	31.14 1.45 0.00	29.92 1.29 0.00	28.54 0.96 0.00	28.73 1.03 0.00	29.92 1.37 0.00	35.02 1.92 0.00	37.45 2.42 0.00	35.24 2.18 0.00	33.41 1.69 -0.34	33.94 1.81 -0.31	36.16 2.05 -0.48	38.85 1.98 -0.81	41.57 1.59 -1.16	44.21 0.59 -1.25	46.38 0.67 -1.39	50.90 0.49 -1.67	54.37 1.47 -0.30	60.16 2.59 0.00	58.32 1.14 0.00	54.63 1.44 0.00	46.66 0.41 -0.40	41.32 0.64 -0.81	36.55 1.37 -0.07
NORTHPORT___3 23553	35.71 1.70 -0.01	30.82 1.13 0.00	29.61 0.97 0.00	28.30 0.72 0.00	28.48 0.77 0.00	29.61 1.06 0.00	34.66 1.56 0.00	37.06 2.03 0.00	34.87 1.82 0.00	33.22 1.51 -0.34	33.78 1.65 -0.31	35.99 1.88 -0.48	38.74 1.87 -0.81	41.38 1.40 -1.16	43.91 0.30 -1.25	46.07 0.35 -1.39	50.56 0.15 -1.67	53.74 0.84 -0.30	59.29 1.73 0.00	57.58 0.40 0.00	53.88 0.69 0.00	46.30 0.05 -0.40	41.05 0.36 -0.81	36.37 1.19 -0.07
NORTHPORT___4 23650	35.71 1.70 -0.01	30.82 1.13 0.00	29.61 0.97 0.00	28.30 0.72 0.00	28.48 0.77 0.00	29.61 1.06 0.00	34.66 1.56 0.00	37.06 2.03 0.00	34.87 1.82 0.00	33.22 1.51 -0.34	33.78 1.65 -0.31	35.99 1.88 -0.48	38.74 1.87 -0.81	41.38 1.40 -1.16	43.91 0.30 -1.25	46.07 0.35 -1.39	50.56 0.15 -1.67	53.74 0.84 -0.30	59.29 1.73 0.00	57.58 0.40 0.00	53.88 0.69 0.00	46.30 0.05 -0.40	41.05 0.36 -0.81	36.37 1.19 -0.07
NORTHPORT___IC 23718	36.11 2.11 0.00	31.14 1.45 0.00	29.92 1.29 0.00	28.55 0.97 0.00	28.73 1.03 0.00	29.92 1.37 0.00	35.02 1.92 0.00	37.45 2.42 0.00	35.24 2.18 0.00	33.41 1.69 -0.34	33.94 1.81 -0.31	36.16 2.05 -0.48	38.96 2.09 -0.81	41.65 1.67 -1.16	44.21 0.59 -1.25	46.34 0.62 -1.39	50.90 0.49 -1.67	54.38 1.47 -0.30	60.21 2.65 0.00	58.72 1.54 0.00	54.68 1.49 0.00	46.80 0.55 -0.40	42.20 1.52 -0.81	36.72 1.54 -0.07
NORTH___COUNTRY_ESR 323785	34.48 0.48 0.00	30.07 0.38 0.00	29.03 0.40 0.00	28.05 0.47 0.00	28.18 0.47 0.00	29.10 0.54 0.00	33.80 0.70 0.00	35.73 0.70 0.00	33.68 0.63 0.00	32.00 0.63 0.00	32.46 0.64 0.00	34.27 0.64 0.00	36.75 0.68 0.00	39.56 0.74 0.00	43.21 0.85 0.00	45.21 0.89 0.00	49.66 0.92 0.00	53.39 0.79 0.00	58.43 0.86 0.00	57.97 0.80 0.00	53.99 0.80 0.00	46.63 0.78 0.00	40.56 0.68 0.00	35.78 0.67 0.00
NPX_GEN_1385_PROXY 323591	36.12 2.11 -0.01	31.14 1.45 0.00	29.92 1.29 0.00	28.54 0.96 0.00	28.73 1.03 0.00	29.92 1.37 0.00	35.02 1.92 0.00	37.31 2.28 0.00	35.07 2.02 0.00	32.91 1.19 -0.34	32.77 1.24 0.29	33.50 1.41 1.54	33.90 1.30 3.46	33.57 0.89 6.14	35.23 -0.21 6.92	35.50 -0.18 8.65	43.13 -0.44 5.17	54.22 1.32 -0.30	60.10 2.53 0.00	58.20 1.03 0.00	54.52 1.33 0.00	45.84 -0.41 2.89	36.87 -0.12 0.77	35.95 0.77 -0.07
NPX_GEN_CSC 323557	36.46 2.45 -0.01	31.03 1.34 0.00	29.81 1.17 0.00	28.24 0.66 0.00	28.42 0.72 0.00	29.87 1.31 0.00	35.09 1.99 0.00	37.90 2.87 0.00	35.47 2.41 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.89 1.78 -0.48	38.53 1.66 -0.81	41.38 1.40 -1.16	44.08 0.47 -1.25	46.21 0.57 -1.31	50.84 0.34 -1.75	54.27 1.37 -0.30	61.20 3.63 0.00	58.49 1.32 0.00	55.05 1.86 0.00	46.62 0.37 -0.40	41.13 0.44 -0.81	36.27 1.09 -0.07
NSINS_S_GLNS_FALLS 23858	34.88 0.88 0.00	30.43 0.74 0.00	29.41 0.77 0.00	28.27 0.69 0.00	28.45 0.75 0.00	29.35 0.80 0.00	34.16 1.06 0.00	36.15 1.12 0.00	33.98 0.93 0.00	31.69 0.60 0.28	31.85 0.29 0.26	33.43 0.20 0.40	35.69 0.29 0.67	38.01 0.16 0.96	41.41 0.08 1.04	43.35 0.18 1.15	47.94 0.58 1.39	53.30 0.95 0.25	59.24 1.67 0.00	59.06 1.89 0.00	55.32 2.13 0.00	46.89 1.38 0.33	40.45 1.24 0.67	36.00 0.95 0.06
NUCOR_STEEL___DRP 24197	34.17 0.17 0.00	29.87 0.18 0.00	28.75 0.11 0.00	27.66 0.08 0.00	27.79 0.08 0.00	28.64 0.09 0.00	33.17 0.07 0.00	34.99 -0.04 0.00	33.02 -0.03 0.00	31.41 0.03 0.00	31.92 0.10 0.00	33.80 0.17 0.00	36.21 0.14 0.00	39.09 0.27 0.00	42.70 0.34 0.00	44.72 0.40 0.00	49.08 0.34 0.00	53.07 0.47 0.00	57.97 0.40 0.00	57.80 0.63 0.00	53.67 0.48 0.00	46.44 0.60 0.00	40.28 0.40 0.00	35.50 0.39 0.00
NUMBER_THREE_WT_PWR 323818	35.32 1.32 0.00	30.43 0.74 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.40 0.69 0.00	29.33 0.77 0.00	34.07 0.96 0.00	36.08 1.05 0.00	33.85 0.79 0.00	32.29 0.91 0.00	32.68 0.86 0.00	34.54 0.91 0.00	36.93 0.86 0.00	39.91 1.09 0.00	43.42 1.06 0.00	45.56 1.24 0.00	50.00 1.27 0.00	53.92 1.32 0.00	59.46 1.90 0.00	59.00 1.83 0.00	55.05 1.86 0.00	47.50 1.65 0.00	40.96 1.08 0.00	35.99 0.88 0.00
NYISO_LBMP_REFERENCE 24008	34.00 0.00 0.00	29.69 0.00 0.00	28.63 0.00 0.00	27.58 0.00 0.00	27.70 0.00 0.00	28.55 0.00 0.00	33.10 0.00 0.00	35.03 0.00 0.00	33.06 0.00 0.00	31.38 0.00 0.00	31.82 0.00 0.00	33.63 0.00 0.00	36.06 0.00 0.00	38.82 0.00 0.00	42.36 0.00 0.00	44.32 0.00 0.00	48.74 0.00 0.00	52.60 0.00 0.00	57.57 0.00 0.00	57.17 0.00 0.00	53.19 0.00 0.00	45.85 0.00 0.00	39.88 0.00 0.00	35.11 0.00 0.00
NYPA_BRENTWD____GT 24164	36.49 2.48 -0.01	31.41 1.72 0.00	30.15 1.52 0.00	28.77 1.19 0.00	28.95 1.25 0.00	30.18 1.63 0.00	35.36 2.25 0.00	37.69 2.66 0.00	35.47 2.41 0.00	33.66 1.95 -0.34	34.20 2.07 -0.31	36.43 2.32 -0.48	39.14 2.27 -0.81	41.96 1.98 -1.16	44.72 1.10 -1.25	46.91 1.20 -1.39	51.48 1.07 -1.67	55.16 2.26 -0.30	61.14 3.57 0.00	59.17 2.00 0.00	55.42 2.23 0.00	47.44 1.19 -0.40	41.92 1.24 -0.81	36.97 1.79 -0.07



NYPA_GOWANUS____GT5 24156	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NYPA_GOWANUS____GT6 24157	35.44 1.43 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.55 0.96 -0.01	28.71 1.00 -0.01	29.35 0.80 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.44 1.73 -1.39	52.07 1.66 -1.67	54.21 1.32 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.49 1.24 -0.40	42.12 1.43 -0.81	36.55 1.37 -0.08
NYPA_HARLEM__RVR__GT1 24160	35.50 1.49 -0.01	30.97 1.28 -0.01	29.81 1.17 -0.01	28.75 1.16 -0.01	28.90 1.19 -0.01	29.44 0.89 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.57 1.52 0.01	33.28 1.57 -0.33	33.62 1.50 -0.30	35.58 1.48 -0.47	38.56 1.70 -0.80	41.64 1.67 -1.15	45.43 1.82 -1.24	47.30 1.59 -1.39	51.97 1.56 -1.67	54.05 1.16 -0.29	58.82 1.26 0.01	58.14 0.97 0.01	54.03 0.85 0.01	47.40 1.15 -0.40	42.04 1.36 -0.81	36.66 1.47 -0.08
NYPA_HARLEM__RVR__GT2 24161	35.50 1.49 -0.01	30.97 1.28 -0.01	29.81 1.17 -0.01	28.75 1.16 -0.01	28.90 1.19 -0.01	29.44 0.89 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.57 1.52 0.01	33.28 1.57 -0.33	33.62 1.50 -0.30	35.58 1.48 -0.47	38.56 1.70 -0.80	41.64 1.67 -1.15	45.43 1.82 -1.24	47.30 1.59 -1.39	51.97 1.56 -1.67	54.05 1.16 -0.29	58.82 1.26 0.01	58.14 0.97 0.01	54.03 0.85 0.01	47.40 1.15 -0.40	42.04 1.36 -0.81	36.66 1.47 -0.08
NYPA_KENT____GT 24152	35.40 1.39 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.74 1.03 -0.01	29.41 0.86 0.00	34.39 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.75 1.62 -0.31	35.73 1.61 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.49 1.77 -1.39	52.12 1.70 -1.67	54.32 1.42 -0.29	59.11 1.55 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.53 1.28 -0.40	42.08 1.40 -0.81	36.52 1.33 -0.08
NYPA_POUCH1____GT 24155	35.40 1.39 -0.01	30.85 1.16 -0.01	29.67 1.03 -0.01	28.53 0.94 -0.01	28.71 1.00 -0.01	29.33 0.77 0.00	34.29 1.19 0.00	36.50 1.47 0.00	34.51 1.45 0.00	33.25 1.54 -0.34	33.63 1.50 -0.31	35.59 1.48 -0.48	38.64 1.77 -0.81	41.77 1.79 -1.16	45.61 1.99 -1.25	47.31 1.59 -1.39	51.83 1.41 -1.67	54.00 1.11 -0.29	58.88 1.33 0.01	58.20 1.03 0.01	54.14 0.96 0.01	47.40 1.15 -0.40	42.08 1.40 -0.81	36.55 1.37 -0.08
NYPA_VERNON____GT2 24162	35.40 1.39 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.77 1.05 -0.01	29.44 0.89 0.00	34.43 1.33 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.41 1.69 -0.34	33.78 1.65 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.61 1.99 -1.25	47.54 1.82 -1.39	52.22 1.80 -1.67	54.42 1.53 -0.29	59.17 1.61 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.53 1.28 -0.40	42.04 1.36 -0.81	36.52 1.33 -0.08
NYPA_VERNON____GT3 24163	35.40 1.39 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.77 1.05 -0.01	29.44 0.89 0.00	34.43 1.33 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.41 1.69 -0.34	33.78 1.65 -0.31	35.76 1.65 -0.48	38.74 1.87 -0.81	41.84 1.86 -1.16	45.61 1.99 -1.25	47.54 1.82 -1.39	52.22 1.80 -1.67	54.42 1.53 -0.29	59.17 1.61 0.01	58.42 1.26 0.01	54.35 1.17 0.01	47.53 1.28 -0.40	42.04 1.36 -0.81	36.52 1.33 -0.08
NYPA____ASTORIA_CC1 323568	35.37 1.36 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.77 1.05 -0.01	29.41 0.86 0.00	34.39 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.57 1.95 -1.25	47.44 1.73 -1.39	52.12 1.70 -1.67	54.26 1.37 -0.29	59.00 1.44 0.01	58.25 1.08 0.01	54.19 1.01 0.01	47.44 1.19 -0.40	42.00 1.31 -0.81	36.49 1.30 -0.08
NYPA____ASTORIA_CC2 323569	35.37 1.36 -0.01	30.89 1.19 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.77 1.05 -0.01	29.41 0.86 0.00	34.39 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.72 1.59 -0.31	35.69 1.58 -0.48	38.67 1.80 -0.81	41.77 1.79 -1.16	45.57 1.95 -1.25	47.44 1.73 -1.39	52.12 1.70 -1.67	54.26 1.37 -0.29	59.00 1.44 0.01	58.25 1.08 0.01	54.19 1.01 0.01	47.44 1.19 -0.40	42.00 1.31 -0.81	36.49 1.30 -0.08
NYPA____HOLTSVILL 23794	36.29 2.28 -0.01	31.17 1.48 0.00	29.95 1.32 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.98 1.43 0.00	35.12 2.02 0.00	37.66 2.63 0.00	35.37 2.31 0.00	33.51 1.79 -0.34	34.01 1.88 -0.31	36.20 2.09 -0.48	38.82 1.95 -0.81	41.65 1.67 -1.16	44.38 0.76 -1.25	46.56 0.84 -1.39	51.04 0.63 -1.67	54.54 1.63 -0.30	60.73 3.16 0.00	58.54 1.37 0.00	54.94 1.75 0.00	46.89 0.64 -0.40	41.44 0.76 -0.81	36.55 1.37 -0.07
NYPA____HELLGATE_GT1 24158	35.50 1.49 -0.01	30.97 1.28 -0.01	29.81 1.17 -0.01	28.75 1.16 -0.01	28.90 1.19 -0.01	29.44 0.89 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.57 1.52 0.01	33.28 1.57 -0.33	33.62 1.50 -0.30	35.58 1.48 -0.47	38.56 1.70 -0.80	41.64 1.67 -1.15	45.43 1.82 -1.24	47.30 1.59 -1.39	51.97 1.56 -1.67	54.05 1.16 -0.29	58.82 1.26 0.01	58.14 0.97 0.01	54.03 0.85 0.01	47.40 1.15 -0.40	42.04 1.36 -0.81	36.66 1.47 -0.08
NYPA____HELLGATE_GT2 24159	35.50 1.49 -0.01	30.97 1.28 -0.01	29.81 1.17 -0.01	28.75 1.16 -0.01	28.90 1.19 -0.01	29.44 0.89 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.57 1.52 0.01	33.28 1.57 -0.33	33.62 1.50 -0.30	35.58 1.48 -0.47	38.56 1.70 -0.80	41.64 1.67 -1.15	45.43 1.82 -1.24	47.30 1.59 -1.39	51.97 1.56 -1.67	54.05 1.16 -0.29	58.82 1.26 0.01	58.14 0.97 0.01	54.03 0.85 0.01	47.40 1.15 -0.40	42.04 1.36 -0.81	36.66 1.47 -0.08
NYS_BARGE____HYD 23848	34.61 0.61 0.00	30.40 0.71 0.00	29.21 0.57 0.00	27.75 0.17 0.00	28.15 0.44 0.00	29.04 0.48 0.00	32.61 -0.50 0.00	33.84 -1.19 0.00	32.07 -0.99 0.00	30.84 -0.53 0.00	31.56 -0.26 0.00	33.56 -0.07 0.00	35.81 -0.25 0.00	38.90 0.08 0.00	42.53 0.17 0.00	44.77 0.44 0.00	49.08 0.34 0.00	52.81 0.21 0.00	56.93 -0.63 0.00	57.00 -0.17 0.00	52.66 -0.53 0.00	46.31 0.46 0.00	41.28 1.40 0.00	36.52 1.41 0.00
OAK ORCHARD____HYD 24046	34.44 0.44 0.00	30.16 0.47 0.00	28.98 0.34 0.00	27.86 0.28 0.00	27.95 0.25 0.00	28.84 0.29 0.00	33.01 -0.10 0.00	34.71 -0.32 0.00	32.83 -0.23 0.00	31.41 0.03 0.00	32.07 0.25 0.00	34.03 0.41 0.00	36.42 0.36 0.00	39.44 0.62 0.00	43.17 0.80 0.00	45.43 1.11 0.00	49.76 1.03 0.00	53.65 1.05 0.00	58.03 0.46 0.00	57.97 0.80 0.00	53.72 0.53 0.00	46.81 0.96 0.00	41.24 1.36 0.00	36.09 0.98 0.00



OAKDALE___35_KV_LOAD 356122	34.27 0.27 0.00	29.96 0.27 0.00	28.83 0.20 0.00	27.75 0.17 0.00	27.87 0.17 0.00	28.75 0.20 0.00	33.20 0.10 0.00	34.99 -0.04 0.00	33.09 0.03 0.00	31.52 0.09 -0.05	32.06 0.19 -0.05	33.97 0.27 -0.07	36.48 0.29 -0.12	39.39 0.39 -0.18	42.98 0.42 -0.19	44.98 0.44 -0.22	49.48 0.49 -0.26	53.23 0.58 -0.05	58.08 0.52 0.00	57.80 0.63 0.00	53.62 0.43 0.00	46.41 0.50 -0.06	40.41 0.40 -0.12	35.58 0.46 -0.01
OCC_CHEM___DRP 24175	33.69 -0.31 0.00	29.63 -0.06 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.18 -0.37 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.02 -0.80 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.04 -0.78 0.00	41.68 -0.68 0.00	43.75 -0.58 0.00	48.06 -0.68 0.00	51.60 -1.00 0.00	55.61 -1.96 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.21 -0.64 0.00	39.60 -0.28 0.00	35.99 0.88 0.00
OH_GEN_PROXY 24063	34.03 0.03 0.00	29.90 0.21 0.00	28.72 0.09 0.00	27.58 0.00 0.00	27.68 -0.03 0.00	28.53 -0.03 0.00	32.31 -0.79 0.00	33.63 -1.40 0.00	31.90 -1.16 0.00	30.66 -0.72 0.00	31.37 -0.45 0.00	33.33 -0.30 0.00	35.52 -0.54 0.00	38.55 -0.27 0.00	42.15 -0.21 0.00	44.24 0.00 0.08	48.72 -0.10 -0.08	52.29 -0.31 0.00	56.30 -1.27 0.00	56.32 -0.86 0.00	52.02 -1.17 0.00	45.76 -0.09 0.00	40.80 0.92 0.00	35.85 0.74 0.00
OLIN_CORP_DRP 24177	34.31 0.31 0.00	30.16 0.48 0.00	28.95 0.31 0.00	27.41 -0.17 0.00	27.93 0.22 0.00	28.73 0.17 0.00	32.24 -0.86 0.00	33.38 -1.65 0.00	31.67 -1.39 0.00	30.44 -0.94 0.00	31.15 -0.67 0.00	33.09 -0.54 0.00	35.31 -0.76 0.00	38.24 -0.58 0.00	41.90 -0.47 0.00	43.97 -0.35 0.00	48.35 -0.39 0.00	51.92 -0.68 0.00	55.95 -1.61 0.00	55.97 -1.20 0.00	51.65 -1.54 0.00	45.48 -0.37 0.00	39.80 -0.08 0.00	35.67 0.56 0.00
OLIN_CORP_DSASP 323712	33.69 -0.31 0.00	29.60 -0.09 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.24 -0.31 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.03 -0.79 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.12 -0.70 0.00	41.68 -0.68 0.00	43.84 -0.49 0.00	48.06 -0.68 0.00	51.65 -0.95 0.00	55.55 -2.02 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.25 -0.60 0.00	40.44 0.56 0.00	35.50 0.39 0.00
ONEIDA_HERK_LFGE 323681	34.95 0.95 0.00	30.34 0.65 0.00	29.21 0.57 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.18 0.63 0.00	33.87 0.76 0.00	35.87 0.84 0.00	33.75 0.70 0.00	32.07 0.69 0.00	32.49 0.67 0.00	34.37 0.74 0.00	36.78 0.72 0.00	39.71 0.89 0.00	43.25 0.89 0.00	45.34 1.02 0.00	49.81 1.07 0.00	53.76 1.16 0.00	59.12 1.55 0.00	58.77 1.60 0.00	54.78 1.59 0.00	47.22 1.37 0.00	40.80 0.92 0.00	35.85 0.74 0.00
ONEIDA___115KV_TB4 55905	34.85 0.85 0.00	30.37 0.68 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.18 0.63 0.00	33.83 0.73 0.00	35.84 0.81 0.00	33.72 0.66 0.00	31.97 0.60 0.00	32.42 0.60 0.00	34.34 0.71 0.00	36.75 0.69 0.00	39.71 0.89 0.00	43.29 0.93 0.00	45.39 1.06 0.00	49.86 1.12 0.00	53.81 1.21 0.00	59.12 1.55 0.00	58.89 1.72 0.00	54.84 1.65 0.00	47.32 1.47 0.00	40.88 1.00 0.00	35.95 0.84 0.00
ONONDAGA_REF_OCCRA 23987	33.83 -0.17 0.00	29.54 -0.15 0.00	28.46 -0.17 0.00	27.39 -0.19 0.00	27.51 -0.19 0.00	28.35 -0.20 0.00	32.84 -0.26 0.00	34.71 -0.32 0.00	32.79 -0.26 0.00	31.19 -0.19 0.00	31.69 -0.13 0.00	33.53 -0.10 0.00	35.96 -0.11 0.00	38.82 0.00 0.00	42.36 0.00 0.00	44.37 0.04 0.00	48.74 0.00 0.00	52.60 0.00 0.00	57.45 -0.12 0.00	57.23 0.06 0.00	53.14 -0.05 0.00	45.94 0.09 0.00	39.84 -0.04 0.00	35.07 -0.04 0.00
ONONDAGA___COGEN 23986	33.86 -0.14 0.00	29.57 -0.12 0.00	28.49 -0.14 0.00	27.41 -0.17 0.00	27.54 -0.17 0.00	28.38 -0.17 0.00	32.87 -0.23 0.00	34.75 -0.28 0.00	32.83 -0.23 0.00	31.22 -0.16 0.00	31.72 -0.10 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.82 0.00 0.00	42.41 0.04 0.00	44.41 0.09 0.00	48.79 0.05 0.00	52.65 0.05 0.00	57.51 -0.06 0.00	57.29 0.11 0.00	53.19 0.00 0.00	45.99 0.14 0.00	39.88 0.00 0.00	35.11 0.00 0.00
ONTARIO___LFGE 23819	34.64 0.64 0.00	30.25 0.56 0.00	29.09 0.46 0.00	27.97 0.39 0.00	28.09 0.39 0.00	29.01 0.46 0.00	33.44 0.33 0.00	35.17 0.14 0.00	33.22 0.17 0.00	31.63 0.25 0.00	32.23 0.41 0.00	34.17 0.54 0.00	36.61 0.54 0.00	39.64 0.82 0.00	43.29 0.93 0.00	45.47 1.15 0.00	49.62 0.88 0.00	53.76 1.16 0.00	58.60 1.04 0.00	58.54 1.37 0.00	54.20 1.01 0.00	46.99 1.15 0.00	41.28 1.40 0.00	36.13 1.02 0.00
ORANGEVILLE_WT_PWR 323706	34.37 0.37 0.00	30.16 0.47 0.00	28.98 0.34 0.00	27.80 0.22 0.00	27.90 0.20 0.00	28.78 0.23 0.00	32.71 -0.40 0.00	34.01 -1.02 0.00	32.17 -0.89 0.00	30.81 -0.56 0.00	31.56 -0.26 0.00	33.53 -0.10 0.00	35.85 -0.22 0.00	38.90 0.08 0.00	42.58 0.21 0.00	44.77 0.44 0.00	49.03 0.29 0.00	52.97 0.37 0.00	57.45 -0.11 0.00	57.69 0.51 0.00	53.24 0.05 0.00	46.54 0.69 0.00	41.28 1.40 0.00	36.27 1.16 0.00
ORANGEVILLE___ESR 323794	34.37 0.37 0.00	30.16 0.47 0.00	28.98 0.34 0.00	27.80 0.22 0.00	27.90 0.20 0.00	28.78 0.23 0.00	32.71 -0.40 0.00	34.01 -1.02 0.00	32.17 -0.89 0.00	30.81 -0.56 0.00	31.56 -0.26 0.00	33.53 -0.10 0.00	35.85 -0.22 0.00	38.90 0.08 0.00	42.58 0.21 0.00	44.77 0.44 0.00	49.03 0.29 0.00	52.97 0.37 0.00	57.45 -0.11 0.00	57.69 0.51 0.00	53.24 0.05 0.00	46.54 0.69 0.00	41.28 1.40 0.00	36.27 1.16 0.00
OSWEGATCHIE___HYD 24044	35.16 1.16 0.00	30.49 0.80 0.00	29.38 0.74 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.50 0.94 0.00	34.23 1.13 0.00	36.22 1.19 0.00	33.98 0.92 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.57 0.94 0.00	37.00 0.94 0.00	39.95 1.13 0.00	43.55 1.18 0.00	45.65 1.33 0.00	50.00 1.27 0.00	53.71 1.11 0.00	59.01 1.44 0.00	58.66 1.48 0.00	54.78 1.59 0.00	47.45 1.60 0.00	41.12 1.24 0.00	36.27 1.16 0.00
OSWEGO___5 23606	33.32 -0.68 0.00	29.10 -0.59 0.00	28.03 -0.60 0.00	27.00 -0.58 0.00	27.12 -0.58 0.00	27.95 -0.60 0.00	32.34 -0.76 0.00	34.19 -0.84 0.00	32.26 -0.79 0.00	30.69 -0.69 0.00	31.15 -0.67 0.00	32.96 -0.67 0.00	35.30 -0.76 0.00	38.12 -0.70 0.00	41.60 -0.76 0.00	43.53 -0.80 0.00	47.86 -0.88 0.00	51.65 -0.95 0.00	56.47 -1.10 0.00	56.15 -1.03 0.00	52.18 -1.01 0.00	45.07 -0.78 0.00	39.24 -0.64 0.00	34.48 -0.63 0.00
OSWEGO___6 23613	33.32 -0.68 0.00	29.10 -0.59 0.00	28.03 -0.60 0.00	27.00 -0.58 0.00	27.12 -0.58 0.00	27.95 -0.60 0.00	32.34 -0.76 0.00	34.19 -0.84 0.00	32.26 -0.79 0.00	30.69 -0.69 0.00	31.15 -0.67 0.00	32.96 -0.67 0.00	35.30 -0.76 0.00	38.12 -0.70 0.00	41.60 -0.76 0.00	43.53 -0.80 0.00	47.86 -0.88 0.00	51.65 -0.95 0.00	56.47 -1.10 0.00	56.15 -1.03 0.00	52.18 -1.01 0.00	45.07 -0.78 0.00	39.24 -0.64 0.00	34.48 -0.63 0.00



OUTOKUMPU-AB___DRP 24206	34.58 0.58 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.10 0.52 0.00	28.09 0.39 0.00	28.95 0.40 0.00	32.74 -0.36 0.00	34.05 -0.98 0.00	32.30 -0.76 0.00	31.09 -0.28 0.00	31.85 0.03 0.00	33.86 0.24 0.00	36.17 0.11 0.00	39.21 0.39 0.00	43.00 0.64 0.00	45.17 0.84 0.00	49.57 0.83 0.00	53.28 0.68 0.00	57.51 -0.06 0.00	57.52 0.34 0.00	53.03 -0.16 0.00	46.58 0.73 0.00	40.72 0.84 0.00	36.65 1.54 0.00
OXBOW___BTM 323836	34.21 0.21 0.00	30.02 0.33 0.00	28.83 0.20 0.00	27.99 0.41 0.00	27.79 0.08 0.00	28.67 0.11 0.00	32.38 -0.73 0.00	33.70 -1.33 0.00	31.97 -1.09 0.00	30.75 -0.63 0.00	31.50 -0.32 0.00	33.50 -0.13 0.00	35.74 -0.33 0.00	38.82 0.00 0.00	42.45 0.08 0.00	44.68 0.35 0.00	48.98 0.24 0.00	52.60 0.00 0.00	56.70 -0.86 0.00	56.72 -0.46 0.00	52.34 -0.85 0.00	46.03 0.18 0.00	41.12 1.24 0.00	36.13 1.02 0.00
OXBOW___ 24026	34.20 0.20 0.00	30.05 0.36 0.00	28.83 0.20 0.00	27.99 0.41 0.00	27.79 0.08 0.00	28.61 0.06 0.00	32.38 -0.73 0.00	33.70 -1.33 0.00	31.97 -1.09 0.00	30.75 -0.63 0.00	31.50 -0.32 0.00	33.49 -0.13 0.00	35.74 -0.32 0.00	38.74 -0.08 0.00	42.45 0.08 0.00	44.59 0.27 0.00	48.98 0.24 0.00	52.60 0.00 0.00	56.70 -0.86 0.00	56.72 -0.46 0.00	52.29 -0.90 0.00	46.03 0.18 0.00	40.28 0.40 0.00	36.41 1.30 0.00
OXY_CHEM_DSASP 323612	33.69 -0.31 0.00	29.63 -0.06 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.18 -0.37 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.02 -0.80 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.04 -0.78 0.00	41.68 -0.68 0.00	43.75 -0.58 0.00	48.06 -0.68 0.00	51.60 -1.00 0.00	55.61 -1.96 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.21 -0.64 0.00	39.60 -0.28 0.00	35.99 0.88 0.00
OZONE_PARK_ESR 323760	35.50 1.50 0.00	30.97 1.28 0.00	29.78 1.15 0.00	28.63 1.05 0.00	28.81 1.11 0.00	29.64 1.09 0.00	34.69 1.59 0.00	36.99 1.96 0.00	35.01 1.95 0.00	33.63 1.91 -0.34	34.04 1.91 -0.31	36.06 1.95 -0.48	39.11 2.24 -0.81	42.23 2.25 -1.16	45.95 2.33 -1.25	47.98 2.26 -1.39	52.80 2.39 -1.67	55.37 2.47 -0.30	60.16 2.59 0.00	59.46 2.29 0.00	55.26 2.07 0.00	48.13 1.88 -0.40	42.56 1.87 -0.80	36.65 1.47 -0.07
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	33.69 -0.31 0.00	29.63 -0.06 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.18 -0.37 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.02 -0.80 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.04 -0.78 0.00	41.68 -0.68 0.00	43.75 -0.58 0.00	48.06 -0.68 0.00	51.60 -1.00 0.00	55.61 -1.96 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.21 -0.64 0.00	39.60 -0.28 0.00	35.99 0.88 0.00
PACKARD___115KV_DUPONT_184 80571	33.69 -0.31 0.00	29.63 -0.06 0.00	28.43 -0.20 0.00	27.77 0.19 0.00	27.40 -0.30 0.00	28.18 -0.37 0.00	31.95 -1.16 0.00	33.24 -1.79 0.00	31.54 -1.52 0.00	30.31 -1.07 0.00	31.02 -0.80 0.00	32.96 -0.67 0.00	35.13 -0.94 0.00	38.04 -0.78 0.00	41.68 -0.68 0.00	43.75 -0.58 0.00	48.06 -0.68 0.00	51.60 -1.00 0.00	55.61 -1.96 0.00	55.63 -1.54 0.00	51.33 -1.86 0.00	45.21 -0.64 0.00	39.60 -0.28 0.00	35.99 0.88 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	35.50 1.50 0.00	30.97 1.28 0.00	29.81 1.17 0.00	28.68 1.10 0.00	28.87 1.16 0.00	29.53 0.97 0.00	34.36 1.26 0.00	36.50 1.47 0.00	34.54 1.49 0.00	33.26 1.54 -0.34	33.59 1.46 -0.31	35.56 1.45 -0.48	38.56 1.70 -0.81	41.65 1.67 -1.16	45.39 1.78 -1.25	47.27 1.55 -1.39	51.92 1.51 -1.67	54.11 1.21 -0.30	58.83 1.27 0.00	58.20 1.03 0.00	54.09 0.90 0.00	47.35 1.10 -0.40	42.28 1.60 -0.81	36.65 1.47 -0.07
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	36.07 2.07 0.00	31.47 1.78 0.00	30.32 1.69 0.00	29.15 1.57 0.00	29.31 1.61 0.00	29.98 1.43 0.00	34.93 1.82 0.00	37.06 2.03 0.00	35.04 1.98 0.00	33.73 2.01 -0.34	34.13 2.00 -0.31	36.03 1.92 -0.48	39.07 2.20 -0.81	42.19 2.21 -1.16	46.07 2.46 -1.25	47.98 2.26 -1.39	52.70 2.29 -1.67	54.95 2.05 -0.30	59.81 2.25 0.00	59.12 1.94 0.00	54.95 1.76 0.00	48.09 1.83 -0.40	42.92 2.23 -0.81	37.21 2.04 -0.07
PATROON___115KV_TB1 80586	34.20 0.20 0.00	29.90 0.21 0.00	28.95 0.31 0.00	27.86 0.28 0.00	27.98 0.28 0.00	28.75 0.20 0.00	33.37 0.26 0.00	35.35 0.32 0.00	33.35 0.30 0.00	31.30 0.19 0.27	31.74 0.16 0.24	33.35 0.10 0.38	35.55 0.11 0.63	37.88 -0.04 0.90	41.30 -0.08 0.97	43.06 -0.18 1.08	47.39 -0.05 1.30	52.47 0.11 0.24	57.74 0.17 0.00	57.29 0.11 0.00	53.46 0.27 0.00	45.49 -0.05 0.31	39.34 0.08 0.63	35.02 -0.04 0.05
PATTRSNVILLE___SOLAR 323815	34.92 0.92 0.00	30.49 0.80 0.00	29.43 0.80 0.00	28.32 0.74 0.00	28.48 0.77 0.00	29.35 0.80 0.00	34.07 0.96 0.00	35.94 0.91 0.00	33.72 0.66 0.00	31.52 0.35 0.21	31.79 0.16 0.19	33.44 0.10 0.29	35.76 0.18 0.49	38.27 0.16 0.70	41.78 0.17 0.76	43.83 0.35 0.84	48.41 0.68 1.01	53.57 1.16 0.18	59.12 1.55 0.00	58.95 1.77 0.00	54.94 1.75 0.00	46.93 1.33 0.24	40.47 1.08 0.49	36.02 0.95 0.04
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	34.44 0.44 0.00	30.22 0.53 0.00	28.98 0.34 0.00	27.77 0.19 0.00	27.95 0.25 0.00	28.84 0.29 0.00	32.74 -0.36 0.00	34.08 -0.95 0.00	32.33 -0.73 0.00	31.13 -0.25 0.00	31.92 0.10 0.00	33.93 0.30 0.00	36.35 0.29 0.00	39.40 0.58 0.00	43.17 0.80 0.00	45.30 0.98 0.00	49.76 1.02 0.00	53.60 1.00 0.00	57.97 0.40 0.00	57.97 0.80 0.00	53.35 0.16 0.00	46.72 0.87 0.00	40.72 0.84 0.00	36.41 1.30 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	35.16 1.16 0.00	30.64 0.95 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.62 0.91 0.00	29.41 0.86 0.00	34.30 1.19 0.00	36.47 1.44 0.00	34.45 1.39 0.00	32.97 1.29 -0.30	33.46 1.37 -0.28	35.40 1.35 -0.43	38.29 1.51 -0.72	41.37 1.51 -1.03	45.00 1.53 -1.11	47.03 1.46 -1.24	51.83 1.61 -1.49	54.66 1.79 -0.27	59.58 2.01 0.00	58.95 1.77 0.00	55.05 1.86 0.00	47.63 1.42 -0.36	41.99 1.40 -0.72	36.22 1.05 -0.06
PEEKSKILL___ 23653	34.95 0.95 0.00	30.49 0.80 0.00	29.35 0.72 0.00	28.24 0.66 0.00	28.40 0.69 0.00	29.21 0.66 0.00	34.10 0.99 0.00	36.33 1.30 0.00	34.35 1.29 0.00	32.93 1.22 -0.34	33.40 1.27 -0.30	35.38 1.28 -0.47	38.30 1.44 -0.79	41.35 1.40 -1.14	44.99 1.40 -1.23	47.02 1.33 -1.37	51.80 1.41 -1.64	54.37 1.47 -0.30	59.24 1.67 0.00	58.49 1.32 0.00	54.46 1.27 0.00	47.34 1.10 -0.40	41.59 0.92 -0.79	36.02 0.84 -0.07
PGE MADISON___WINDPWR 24146	36.28 2.28 0.00	31.65 1.96 0.00	30.41 1.78 0.00	29.23 1.65 0.00	29.39 1.69 0.00	30.38 1.83 0.00	35.19 2.09 0.00	37.27 2.24 0.00	34.87 1.82 0.00	32.94 1.57 0.00	33.35 1.53 0.00	35.41 1.78 0.00	37.83 1.77 0.00	40.99 2.17 0.00	44.56 2.20 0.00	46.98 2.66 0.00	51.56 2.83 0.00	55.81 3.21 0.00	61.71 4.15 0.00	61.75 4.58 0.00	57.34 4.15 0.00	49.47 3.62 0.00	42.60 2.71 0.00	37.25 2.14 0.00



PIERCEFIELD___HYD 23852	34.99 0.99 0.00	30.43 0.74 0.00	29.38 0.74 0.00	28.35 0.77 0.00	28.59 0.89 0.00	29.55 1.00 0.00	34.33 1.22 0.00	36.26 1.23 0.00	34.05 0.99 0.00	32.35 0.97 0.00	32.77 0.95 0.00	34.64 1.01 0.00	37.11 1.05 0.00	39.98 1.16 0.00	43.68 1.31 0.00	45.74 1.42 0.00	50.00 1.27 0.00	53.49 0.89 0.00	58.49 0.92 0.00	58.15 0.97 0.00	54.36 1.17 0.00	47.13 1.28 0.00	41.08 1.20 0.00	36.37 1.26 0.00
PINELAWN_CC_1 323563	36.19 2.18 -0.01	31.20 1.51 0.00	29.98 1.35 0.00	28.60 1.02 0.00	28.81 1.11 0.00	29.98 1.43 0.00	35.12 2.02 0.00	37.52 2.49 0.00	35.31 2.25 0.00	33.57 1.85 -0.34	34.14 2.01 -0.31	36.37 2.25 -0.48	39.07 2.20 -0.81	41.92 1.94 -1.16	44.72 1.10 -1.25	46.52 0.80 -1.39	51.00 0.59 -1.67	54.32 1.42 -0.30	59.81 2.24 0.00	58.03 0.86 0.00	54.57 1.38 0.00	46.89 0.64 -0.40	41.80 1.12 -0.81	36.79 1.62 -0.07
PJM_GEN_HTTP_PROXY 323702	35.16 1.16 0.00	30.67 0.98 0.00	29.52 0.89 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.38 0.83 0.00	34.36 1.26 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.29 1.57 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.41 1.77 -1.31	52.34 1.85 -1.75	54.74 1.84 -0.30	59.46 1.90 0.00	58.77 1.60 0.00	54.63 1.44 0.00	47.63 1.37 -0.40	41.88 1.20 -0.80	36.27 1.09 -0.07
PJM_GEN_KEystone 24065	34.34 0.34 0.00	30.05 0.36 0.00	28.86 0.23 0.00	27.75 0.17 0.00	27.90 0.20 0.00	28.76 0.20 0.00	33.20 0.10 0.00	35.03 0.00 0.00	33.19 0.13 0.00	31.85 0.28 -0.19	32.40 0.41 -0.17	34.40 0.51 -0.27	37.05 0.54 -0.44	40.08 0.62 -0.64	43.64 0.59 -0.69	45.63 0.62 -0.69	50.32 0.59 -1.00	53.40 0.63 -0.17	57.91 0.35 0.00	57.58 0.40 0.00	53.35 0.16 0.00	46.53 0.46 -0.22	41.00 0.68 -0.44	35.78 0.63 -0.04
PJM_GEN_NEPTUNE_PROXY 323594	35.67 1.67 -0.01	30.85 1.16 0.00	29.63 1.00 0.00	28.32 0.74 0.00	28.54 0.83 0.00	29.64 1.08 0.00	34.69 1.59 0.00	37.06 2.03 0.00	34.87 1.82 0.00	33.22 1.51 -0.34	33.78 1.65 -0.31	35.96 1.85 -0.48	38.71 1.84 -0.81	41.53 1.55 -1.16	44.46 0.85 -1.25	46.52 0.89 -1.31	51.27 0.78 -1.75	54.32 1.42 -0.30	59.81 2.24 0.00	58.26 1.08 0.00	54.46 1.27 0.00	46.89 0.64 -0.40	41.41 0.72 -0.81	36.37 1.19 -0.07
PJM_GEN_VFT_PROXY 323633	35.02 1.02 0.00	30.55 0.86 0.00	29.38 0.74 0.00	28.30 0.72 0.00	28.48 0.77 0.00	29.24 0.68 0.00	34.23 1.13 0.00	36.54 1.51 0.00	34.61 1.55 0.00	33.22 1.51 -0.34	33.63 1.50 -0.31	35.66 1.55 -0.48	38.60 1.73 -0.81	41.69 1.71 -1.16	45.31 1.70 -1.25	47.23 1.59 -1.31	52.10 1.61 -1.75	54.43 1.53 -0.30	59.18 1.61 0.00	58.43 1.26 0.00	54.31 1.12 0.00	47.44 1.19 -0.40	41.72 1.04 -0.80	36.13 0.95 -0.07
PLATSBURG_115KV_PMLD1 355749	35.36 1.36 0.00	30.82 1.13 0.00	29.75 1.12 0.00	28.74 1.16 0.00	28.90 1.19 0.00	29.84 1.28 0.00	34.66 1.56 0.00	36.68 1.65 0.00	34.54 1.49 0.00	32.82 1.44 0.00	33.28 1.46 0.00	35.14 1.51 0.00	37.69 1.62 0.00	40.64 1.82 0.00	44.40 2.03 0.00	46.45 2.13 0.00	51.08 2.34 0.00	54.91 2.31 0.00	60.04 2.48 0.00	59.58 2.40 0.00	55.53 2.34 0.00	48.05 2.20 0.00	41.68 1.79 0.00	36.76 1.65 0.00
PLEASANTVLY___LBMP 24000	34.75 0.75 0.00	30.34 0.65 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.31 0.61 0.00	29.10 0.54 0.00	33.90 0.79 0.00	36.05 1.02 0.00	34.08 1.02 0.00	32.70 0.94 -0.38	33.12 0.95 -0.35	35.11 0.94 -0.54	38.04 1.08 -0.90	41.16 1.05 -1.29	44.77 1.02 -1.39	46.81 0.93 -1.55	51.58 0.97 -1.86	54.04 1.10 -0.34	58.83 1.27 0.00	58.20 1.03 0.00	54.20 1.01 0.00	47.03 0.73 -0.45	41.62 0.84 -0.90	35.78 0.60 -0.08
PLSNTVLE_13_KV_13.8KVDIST 80602	35.05 1.05 0.00	30.58 0.89 0.00	29.43 0.80 0.00	28.32 0.74 0.00	28.48 0.78 0.00	29.33 0.77 0.00	34.20 1.09 0.00	36.43 1.40 0.00	34.45 1.39 0.00	33.04 1.32 -0.34	33.50 1.37 -0.31	35.49 1.38 -0.49	38.46 1.59 -0.81	41.54 1.55 -1.17	45.19 1.57 -1.26	47.24 1.51 -1.40	52.03 1.61 -1.69	54.64 1.74 -0.30	59.41 1.84 0.00	58.72 1.54 0.00	54.68 1.49 0.00	47.45 1.19 -0.41	41.93 1.24 -0.81	36.13 0.95 -0.07
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	35.05 1.05 0.00	30.58 0.89 0.00	29.43 0.80 0.00	28.32 0.74 0.00	28.48 0.78 0.00	29.33 0.77 0.00	34.20 1.09 0.00	36.43 1.40 0.00	34.45 1.39 0.00	33.04 1.32 -0.34	33.50 1.37 -0.31	35.49 1.38 -0.49	38.46 1.59 -0.81	41.54 1.55 -1.17	45.19 1.57 -1.26	47.24 1.51 -1.40	52.03 1.61 -1.69	54.64 1.74 -0.30	59.41 1.84 0.00	58.72 1.54 0.00	54.68 1.49 0.00	47.45 1.19 -0.41	41.93 1.24 -0.81	36.13 0.95 -0.07
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	34.92 0.92 0.00	30.49 0.80 0.00	29.41 0.77 0.00	28.30 0.72 0.00	28.45 0.75 0.00	29.27 0.71 0.00	34.10 0.99 0.00	36.22 1.19 0.00	34.18 1.12 0.00	32.41 1.04 0.00	32.87 1.05 0.00	34.67 1.04 0.00	37.25 1.19 0.00	39.98 1.16 0.00	43.51 1.14 0.00	45.43 1.11 0.00	49.96 1.22 0.00	54.02 1.42 0.00	59.24 1.67 0.00	58.60 1.43 0.00	54.73 1.54 0.00	46.99 1.15 0.00	41.04 1.16 0.00	35.99 0.88 0.00
POLETTI_____ 23519	35.12 1.12 0.00	30.67 0.98 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.38 0.83 0.00	34.33 1.22 0.00	36.61 1.58 0.00	34.63 1.59 0.02	33.27 1.57 -0.33	33.67 1.56 -0.29	35.68 1.58 -0.47	38.66 1.80 -0.79	41.75 1.79 -1.14	45.42 1.82 -1.24	47.43 1.73 -1.38	52.17 1.75 -1.67	54.68 1.79 -0.29	59.39 1.84 0.02	58.70 1.54 0.02	54.56 1.38 0.02	47.54 1.28 -0.40	42.08 1.40 -0.80	36.23 1.05 -0.07
POMONA___ESR 323819	34.95 0.95 0.00	30.52 0.83 0.00	29.35 0.72 0.00	28.24 0.66 0.00	28.42 0.72 0.00	29.24 0.68 0.00	34.13 1.03 0.00	36.33 1.30 0.00	34.35 1.29 0.00	32.95 1.26 -0.32	33.39 1.27 -0.29	35.39 1.31 -0.45	38.30 1.48 -0.76	41.38 1.47 -1.09	45.02 1.48 -1.18	47.05 1.42 -1.31	51.82 1.51 -1.57	54.52 1.63 -0.28	59.35 1.79 0.00	58.66 1.48 0.00	54.57 1.38 0.00	47.37 1.15 -0.38	41.64 1.00 -0.76	36.09 0.91 -0.06
PORT_JEFF_3 23555	36.39 2.38 -0.01	31.23 1.54 0.00	30.01 1.37 0.00	28.57 0.99 0.00	28.76 1.05 0.00	30.04 1.48 0.00	35.19 2.09 0.00	37.73 2.70 0.00	35.44 2.38 0.00	33.57 1.85 -0.34	34.10 1.97 -0.31	36.30 2.18 -0.48	38.96 2.09 -0.81	41.80 1.82 -1.16	44.55 0.93 -1.25	46.74 1.02 -1.39	51.24 0.83 -1.67	54.74 1.84 -0.30	60.96 3.40 0.00	58.77 1.60 0.00	55.16 1.97 0.00	47.08 0.83 -0.40	41.56 0.88 -0.81	36.65 1.47 -0.07
PORT_JEFF_4 23616	36.39 2.38 -0.01	31.23 1.54 0.00	30.01 1.37 0.00	28.57 0.99 0.00	28.76 1.05 0.00	30.04 1.48 0.00	35.19 2.09 0.00	37.73 2.70 0.00	35.44 2.38 0.00	33.57 1.85 -0.34	34.10 1.97 -0.31	36.30 2.18 -0.48	38.96 2.09 -0.81	41.80 1.82 -1.16	44.55 0.93 -1.25	46.74 1.02 -1.39	51.24 0.83 -1.67	54.74 1.84 -0.30	60.96 3.40 0.00	58.77 1.60 0.00	55.16 1.97 0.00	47.08 0.83 -0.40	41.56 0.88 -0.81	36.65 1.47 -0.07



PORT_JEFF_IC 23713	36.41 2.41 0.00	31.26 1.57 0.00	30.04 1.40 0.00	28.57 0.99 0.00	28.76 1.05 0.00	30.07 1.51 0.00	35.22 2.12 0.00	37.76 2.73 0.00	35.50 2.45 0.00	33.63 1.91 -0.34	34.13 2.00 -0.31	36.33 2.22 -0.48	39.11 2.24 -0.81	41.92 1.94 -1.16	44.63 1.02 -1.25	46.83 1.11 -1.39	51.34 0.93 -1.67	54.90 2.00 -0.30	61.14 3.57 0.00	59.40 2.23 0.00	55.32 2.13 0.00	47.26 1.01 -0.40	42.44 1.75 -0.81	36.90 1.72 -0.07
PPL PILGRIM_ST_GT1 24216	36.49 2.48 -0.01	31.41 1.72 0.00	30.15 1.52 0.00	28.77 1.19 0.00	28.95 1.25 0.00	30.18 1.63 0.00	35.36 2.25 0.00	37.69 2.66 0.00	35.47 2.41 0.00	33.66 1.95 -0.34	34.20 2.07 -0.31	36.43 2.32 -0.48	39.14 2.27 -0.81	41.96 1.98 -1.16	44.72 1.10 -1.25	46.91 1.20 -1.39	51.48 1.07 -1.67	55.16 2.26 -0.30	61.14 3.57 0.00	59.17 2.00 0.00	55.42 2.23 0.00	47.44 1.19 -0.40	41.92 1.24 -0.81	36.97 1.79 -0.07
PPL PILGRIM_ST_GT2 24217	36.49 2.48 -0.01	31.41 1.72 0.00	30.15 1.52 0.00	28.77 1.19 0.00	28.95 1.25 0.00	30.18 1.63 0.00	35.36 2.25 0.00	37.69 2.66 0.00	35.47 2.41 0.00	33.66 1.95 -0.34	34.20 2.07 -0.31	36.43 2.32 -0.48	39.14 2.27 -0.81	41.96 1.98 -1.16	44.72 1.10 -1.25	46.91 1.20 -1.39	51.48 1.07 -1.67	55.16 2.26 -0.30	61.14 3.57 0.00	59.17 2.00 0.00	55.42 2.23 0.00	47.44 1.19 -0.40	41.92 1.24 -0.81	36.97 1.79 -0.07
PPL_SHRM_GT3 24213	36.46 2.45 -0.01	31.06 1.37 0.00	29.83 1.20 0.00	28.27 0.69 0.00	28.45 0.75 0.00	29.87 1.31 0.00	35.09 1.99 0.00	37.90 2.87 0.00	35.50 2.45 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.89 1.78 -0.48	38.53 1.66 -0.81	41.38 1.40 -1.16	44.13 0.51 -1.25	46.34 0.62 -1.39	50.80 0.39 -1.67	54.32 1.42 -0.30	61.25 3.69 0.00	58.54 1.37 0.00	55.10 1.91 0.00	46.66 0.41 -0.40	41.17 0.48 -0.81	36.30 1.12 -0.07
PPL_SHRM_GT4 24214	36.46 2.45 -0.01	31.06 1.37 0.00	29.83 1.20 0.00	28.27 0.69 0.00	28.45 0.75 0.00	29.87 1.31 0.00	35.09 1.99 0.00	37.90 2.87 0.00	35.50 2.45 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.89 1.78 -0.48	38.53 1.66 -0.81	41.38 1.40 -1.16	44.13 0.51 -1.25	46.34 0.62 -1.39	50.80 0.39 -1.67	54.32 1.42 -0.30	61.25 3.69 0.00	58.54 1.37 0.00	55.10 1.91 0.00	46.66 0.41 -0.40	41.17 0.48 -0.81	36.30 1.12 -0.07
PROJECT___ORANGE 1 24174	33.73 -0.27 0.00	29.45 -0.24 0.00	28.37 -0.26 0.00	27.30 -0.28 0.00	27.43 -0.28 0.00	28.27 -0.29 0.00	32.74 -0.36 0.00	34.61 -0.42 0.00	32.69 -0.36 0.00	31.09 -0.28 0.00	31.60 -0.22 0.00	33.46 -0.17 0.00	35.88 -0.18 0.00	38.70 -0.12 0.00	42.24 -0.13 0.00	44.23 -0.09 0.00	48.59 -0.15 0.00	52.39 -0.21 0.00	57.22 -0.35 0.00	56.95 -0.23 0.00	52.87 -0.32 0.00	45.76 -0.09 0.00	39.68 -0.20 0.00	34.93 -0.18 0.00
PROJECT___ORANGE 2 24166	33.73 -0.27 0.00	29.45 -0.24 0.00	28.37 -0.26 0.00	27.30 -0.28 0.00	27.43 -0.28 0.00	28.27 -0.29 0.00	32.74 -0.36 0.00	34.61 -0.42 0.00	32.69 -0.36 0.00	31.09 -0.28 0.00	31.60 -0.22 0.00	33.46 -0.17 0.00	35.88 -0.18 0.00	38.70 -0.12 0.00	42.24 -0.13 0.00	44.23 -0.09 0.00	48.59 -0.15 0.00	52.39 -0.21 0.00	57.22 -0.35 0.00	56.95 -0.23 0.00	52.87 -0.32 0.00	45.76 -0.09 0.00	39.68 -0.20 0.00	34.93 -0.18 0.00
PUCKETT___SOLAR 323809	34.78 0.78 0.00	30.37 0.68 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.26 0.55 0.00	29.18 0.63 0.00	33.70 0.60 0.00	35.59 0.56 0.00	33.49 0.43 0.00	31.84 0.41 -0.05	32.28 0.41 -0.05	34.21 0.51 -0.08	36.69 0.50 -0.13	39.66 0.66 -0.18	43.23 0.68 -0.20	45.38 0.84 -0.22	49.92 0.92 -0.26	53.80 1.16 -0.05	58.95 1.38 0.00	58.83 1.66 0.00	54.57 1.38 0.00	47.24 1.33 -0.06	41.17 1.16 -0.13	36.07 0.95 -0.01
PYRITES___HYD 24023	35.56 1.56 0.00	30.97 1.28 0.00	29.84 1.20 0.00	28.82 1.24 0.00	29.03 1.33 0.00	30.04 1.48 0.00	34.86 1.75 0.00	36.78 1.75 0.00	34.38 1.32 0.00	32.57 1.19 0.00	32.97 1.15 0.00	34.81 1.18 0.00	37.25 1.19 0.00	40.22 1.40 0.00	43.93 1.57 0.00	45.96 1.64 0.00	50.39 1.66 0.00	54.07 1.47 0.00	59.41 1.84 0.00	59.29 2.12 0.00	55.48 2.29 0.00	48.05 2.20 0.00	41.72 1.83 0.00	36.90 1.79 0.00
QUAKERRD_115KV_BK1 80622	33.59 -0.41 0.00	29.39 -0.30 0.00	28.23 -0.40 0.00	27.17 -0.41 0.00	27.26 -0.44 0.00	28.10 -0.46 0.00	32.28 -0.83 0.00	33.98 -1.05 0.00	32.13 -0.93 0.00	30.72 -0.66 0.00	31.34 -0.48 0.00	33.23 -0.40 0.00	35.56 -0.50 0.00	38.47 -0.35 0.00	42.11 -0.25 0.00	44.23 -0.09 0.00	48.54 -0.19 0.00	52.34 -0.26 0.00	56.76 -0.81 0.00	56.60 -0.57 0.00	52.45 -0.74 0.00	45.66 -0.18 0.00	39.64 -0.24 0.00	35.11 0.00 0.00
QUENSBRY_115KV_TB8 356137	34.85 0.85 0.00	30.37 0.68 0.00	29.35 0.72 0.00	28.21 0.63 0.00	28.43 0.72 0.00	29.30 0.74 0.00	34.10 0.99 0.00	36.12 1.09 0.00	33.95 0.89 0.00	31.66 0.56 0.28	31.79 0.22 0.25	33.37 0.13 0.39	35.66 0.25 0.66	37.99 0.12 0.95	41.38 0.04 1.02	43.32 0.13 1.14	47.91 0.54 1.37	53.25 0.89 0.25	59.24 1.67 0.00	59.06 1.89 0.00	55.32 2.13 0.00	46.89 1.38 0.33	40.42 1.20 0.66	35.97 0.91 0.06
RAMAPO___LBMP 323565	34.85 0.85 0.00	30.40 0.71 0.00	29.26 0.63 0.00	28.13 0.55 0.00	28.31 0.61 0.00	29.15 0.60 0.00	34.00 0.89 0.00	36.19 1.16 0.00	34.21 1.16 0.00	32.79 1.10 -0.32	33.25 1.15 -0.29	35.25 1.18 -0.45	38.14 1.33 -0.74	41.21 1.32 -1.07	44.79 1.27 -1.16	46.81 1.20 -1.29	51.55 1.27 -1.55	54.30 1.42 -0.28	59.06 1.50 0.00	58.43 1.26 0.00	54.36 1.17 0.00	47.18 0.96 -0.37	41.62 1.00 -0.74	35.95 0.77 -0.06
RANKINE____ 23646	34.61 0.61 0.00	30.40 0.71 0.00	29.15 0.52 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.98 0.43 0.00	32.87 -0.23 0.00	34.22 -0.81 0.00	32.46 -0.60 0.00	31.22 -0.16 0.00	32.01 0.19 0.00	34.00 0.37 0.00	36.39 0.32 0.00	39.44 0.62 0.00	43.21 0.85 0.00	45.39 1.06 0.00	49.81 1.07 0.00	53.60 1.00 0.00	57.91 0.35 0.00	57.97 0.80 0.00	53.40 0.21 0.00	46.86 1.01 0.00	40.88 1.00 0.00	36.58 1.47 0.00
RAVENSWOOD_GT2_1 24244	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.78 1.60 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT2_2 24245	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.78 1.60 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07



RAVENSWOOD_GT2_3 24246	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.62 0.91 0.00	29.44 0.89 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.53 1.82 -1.39	52.26 1.85 -1.67	54.80 1.89 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.73 1.54 0.00	47.67 1.42 -0.40	42.16 1.48 -0.81	36.34 1.16 -0.07
RAVENSWOOD_GT2_4 24247	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.62 0.91 0.00	29.44 0.89 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.75 1.62 -0.31	35.76 1.65 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.52 1.91 -1.25	47.53 1.82 -1.39	52.26 1.85 -1.67	54.80 1.89 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.73 1.54 0.00	47.67 1.42 -0.40	42.16 1.48 -0.81	36.34 1.16 -0.07
RAVENSWOOD_GT3_1 24248	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT3_2 24249	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT3_3 24250	35.22 1.22 0.00	30.73 1.04 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.62 0.91 0.00	29.44 0.89 0.00	34.43 1.32 0.00	36.71 1.68 0.00	34.74 1.69 0.00	33.35 1.63 -0.34	33.78 1.65 -0.31	35.79 1.68 -0.48	38.78 1.91 -0.81	41.88 1.90 -1.16	45.56 1.95 -1.25	47.58 1.86 -1.39	52.36 1.95 -1.67	54.85 1.95 -0.30	59.58 2.01 0.00	58.89 1.72 0.00	54.79 1.60 0.00	47.72 1.47 -0.40	42.20 1.52 -0.81	36.37 1.19 -0.07
RAVENSWOOD_GT3_4 24251	35.22 1.22 0.00	30.73 1.04 0.00	29.58 0.94 0.00	28.46 0.88 0.00	28.62 0.91 0.00	29.44 0.89 0.00	34.43 1.32 0.00	36.71 1.68 0.00	34.74 1.69 0.00	33.35 1.63 -0.34	33.78 1.65 -0.31	35.79 1.68 -0.48	38.78 1.91 -0.81	41.88 1.90 -1.16	45.56 1.95 -1.25	47.58 1.86 -1.39	52.36 1.95 -1.67	54.85 1.95 -0.30	59.58 2.01 0.00	58.89 1.72 0.00	54.79 1.60 0.00	47.72 1.47 -0.40	42.20 1.52 -0.81	36.37 1.19 -0.07
RAVENSWOOD_GT_1 23729	35.39 1.39 0.00	30.88 1.19 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.76 1.05 0.00	29.50 0.94 0.00	34.43 1.32 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.41 1.69 -0.34	33.78 1.65 -0.31	35.76 1.65 -0.48	38.78 1.91 -0.81	41.88 1.90 -1.16	45.61 1.99 -1.25	47.53 1.82 -1.39	52.21 1.80 -1.67	54.48 1.58 -0.30	59.18 1.61 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.54 1.28 -0.40	42.28 1.60 -0.81	36.51 1.33 -0.07
RAVENSWOOD_GT_10 24258	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT_11 24259	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT_4 24252	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT_5 24254	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT_6 24253	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT_7 24255	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
RAVENSWOOD_GT_9 24257	35.19 1.19 0.00	30.70 1.01 0.00	29.52 0.89 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.40 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.74 1.88 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.74 1.84 -0.30	59.52 1.96 0.00	58.83 1.66 0.00	54.68 1.49 0.00	47.63 1.38 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07



RAVENSWOOD___1 23533	35.37 1.36 -0.01	30.85 1.16 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.74 1.03 -0.01	29.41 0.86 0.00	34.43 1.33 0.00	36.64 1.61 0.00	34.71 1.65 0.00	33.41 1.69 -0.34	33.75 1.62 -0.31	35.73 1.61 -0.48	38.71 1.84 -0.81	41.84 1.86 -1.16	45.61 1.99 -1.25	47.49 1.77 -1.39	52.16 1.75 -1.67	54.37 1.47 -0.29	59.11 1.55 0.01	58.37 1.20 0.01	54.30 1.12 0.01	47.49 1.24 -0.40	42.00 1.31 -0.81	36.49 1.30 -0.08
RAVENSWOOD___2 23534	35.37 1.36 -0.01	30.85 1.16 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.74 1.03 -0.01	29.41 0.86 0.00	34.39 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.75 1.62 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.61 1.99 -1.25	47.49 1.77 -1.39	52.12 1.70 -1.67	54.32 1.42 -0.29	59.05 1.49 0.01	58.31 1.14 0.01	54.25 1.06 0.01	47.49 1.24 -0.40	42.00 1.31 -0.81	36.49 1.30 -0.08
RAVENSWOOD___3 23535	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.44 0.86 0.00	28.59 0.89 0.00	29.38 0.83 0.00	34.39 1.29 0.00	36.68 1.65 0.00	34.71 1.65 0.00	33.32 1.60 -0.34	33.72 1.59 -0.31	35.73 1.61 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.48 1.86 -1.25	47.49 1.77 -1.39	52.26 1.85 -1.67	54.69 1.79 -0.30	59.46 1.90 0.00	58.72 1.54 0.00	54.63 1.44 0.00	47.63 1.37 -0.40	41.92 1.24 -0.81	36.30 1.12 -0.07
RAVENSWOOD___4 23820	35.37 1.36 -0.01	30.85 1.16 -0.01	29.70 1.06 -0.01	28.58 0.99 -0.01	28.74 1.03 -0.01	29.41 0.86 0.00	34.39 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.75 1.62 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.57 1.95 -1.25	47.44 1.73 -1.39	52.12 1.70 -1.67	54.26 1.37 -0.29	59.00 1.44 0.01	58.31 1.14 0.01	54.19 1.01 0.01	47.44 1.19 -0.40	42.00 1.31 -0.81	36.49 1.30 -0.08
RCPL_TRUST___DRP 24196	35.22 1.22 0.00	30.73 1.04 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.62 0.91 0.00	29.44 0.89 0.00	34.43 1.32 0.00	36.71 1.68 0.00	34.74 1.69 0.00	33.38 1.66 -0.34	33.78 1.65 -0.31	35.79 1.68 -0.48	38.82 1.95 -0.81	41.88 1.90 -1.16	45.56 1.95 -1.25	47.58 1.86 -1.39	52.36 1.95 -1.67	54.90 2.00 -0.30	59.64 2.07 0.00	58.95 1.77 0.00	54.79 1.60 0.00	47.67 1.42 -0.40	42.16 1.48 -0.80	36.34 1.16 -0.07
RED___ROCHESTER 323720	34.72 0.72 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.12 0.42 0.00	29.01 0.46 0.00	33.24 0.13 0.00	34.96 -0.07 0.00	33.06 0.00 0.00	31.66 0.28 0.00	32.36 0.54 0.00	34.34 0.71 0.00	36.75 0.68 0.00	39.83 1.01 0.00	43.59 1.23 0.00	45.96 1.64 0.00	50.30 1.56 0.00	54.23 1.63 0.00	58.66 1.09 0.00	58.54 1.37 0.00	54.25 1.06 0.00	47.31 1.47 0.00	41.60 1.71 0.00	36.37 1.26 0.00
REGAN___SOLAR 323812	36.04 2.04 0.00	31.44 1.75 0.00	30.38 1.75 0.00	29.21 1.63 0.00	29.42 1.72 0.00	30.38 1.83 0.00	35.29 2.18 0.00	37.03 2.00 0.00	34.31 1.26 0.00	31.72 0.53 0.19	31.78 0.13 0.17	33.30 -0.07 0.26	35.70 0.07 0.44	38.30 0.12 0.63	41.98 0.30 0.68	44.36 0.80 0.76	49.43 1.61 0.91	55.12 2.68 0.17	61.20 3.63 0.00	61.35 4.17 0.00	57.34 4.15 0.00	48.84 3.21 0.22	42.07 2.63 0.44	37.29 2.21 0.04
RENSSELAER___COGEN 23796	34.03 0.03 0.00	29.78 0.09 0.00	28.81 0.17 0.00	27.72 0.14 0.00	27.84 0.14 0.00	28.61 0.06 0.00	33.17 0.07 0.00	35.14 0.11 0.00	33.16 0.10 0.00	31.12 0.00 0.26	31.55 -0.03 0.24	33.16 -0.10 0.37	35.34 -0.11 0.61	37.67 -0.27 0.88	41.07 -0.34 0.95	42.82 -0.44 1.06	47.07 -0.39 1.27	52.06 -0.31 0.23	57.34 -0.23 0.00	56.89 -0.28 0.00	53.03 -0.16 0.00	45.22 -0.32 0.31	38.95 -0.32 0.61	34.85 -0.21 0.05
REPUBLIC_115KV_BARTNBK 55605	35.70 1.70 0.00	31.11 1.43 0.00	30.09 1.46 0.00	28.88 1.30 0.00	29.12 1.41 0.00	30.10 1.54 0.00	35.02 1.92 0.00	36.99 1.96 0.00	34.71 1.65 0.00	32.25 1.16 0.28	32.39 0.83 0.26	33.97 0.74 0.40	36.30 0.90 0.67	38.67 0.82 0.96	42.17 0.85 1.04	44.14 0.98 1.15	48.91 1.56 1.39	54.56 2.21 0.25	60.79 3.22 0.00	60.95 3.77 0.00	57.29 4.10 0.00	48.40 2.89 0.34	41.65 2.43 0.67	37.05 2.00 0.06
REVERE_CPPR_DRP 24186	35.22 1.22 0.00	30.64 0.95 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.47 0.91 0.00	34.20 1.09 0.00	36.22 1.19 0.00	34.02 0.96 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.64 1.01 0.00	37.07 1.01 0.00	40.10 1.28 0.00	43.68 1.31 0.00	45.79 1.46 0.00	50.30 1.56 0.00	54.28 1.68 0.00	59.75 2.19 0.00	59.52 2.34 0.00	55.48 2.29 0.00	47.82 1.97 0.00	41.28 1.40 0.00	36.27 1.16 0.00
REYNLDPA_13_KV_LD 356490	34.61 0.61 0.00	30.19 0.50 0.00	29.12 0.49 0.00	28.13 0.55 0.00	28.26 0.55 0.00	29.15 0.60 0.00	33.83 0.73 0.00	35.77 0.74 0.00	33.69 0.63 0.00	31.97 0.60 0.00	32.42 0.60 0.00	34.23 0.61 0.00	36.71 0.65 0.00	39.52 0.70 0.00	43.17 0.80 0.00	45.12 0.80 0.00	49.61 0.88 0.00	53.34 0.74 0.00	58.37 0.81 0.00	57.92 0.74 0.00	53.99 0.80 0.00	46.67 0.83 0.00	40.60 0.72 0.00	35.81 0.70 0.00
REYNOLDS_115KV_TB3 80639	34.27 0.27 0.00	29.99 0.30 0.00	29.00 0.37 0.00	27.88 0.30 0.00	28.04 0.33 0.00	28.81 0.26 0.00	33.44 0.33 0.00	35.42 0.39 0.00	33.42 0.36 0.00	31.29 0.22 0.31	31.70 0.16 0.28	33.29 0.10 0.44	35.44 0.11 0.73	37.77 0.00 1.05	41.19 -0.04 1.13	42.88 -0.18 1.26	47.22 0.00 1.52	52.43 0.11 0.27	57.74 0.17 0.00	57.29 0.11 0.00	53.46 0.27 0.00	45.48 0.00 0.37	39.23 0.08 0.73	35.05 0.00 0.06
RIVERBAY____ 323610	36.07 2.07 0.00	31.47 1.78 0.00	30.32 1.69 0.00	29.15 1.57 0.00	29.31 1.61 0.00	29.98 1.43 0.00	34.93 1.82 0.00	37.06 2.03 0.00	35.04 1.98 0.00	33.73 2.01 -0.34	34.13 2.00 -0.31	36.03 1.92 -0.48	39.07 2.20 -0.81	42.19 2.21 -1.16	46.07 2.46 -1.25	47.98 2.26 -1.39	52.70 2.29 -1.67	54.95 2.05 -0.30	59.81 2.25 0.00	59.12 1.94 0.00	54.95 1.76 0.00	48.09 1.83 -0.40	42.92 2.23 -0.81	37.21 2.04 -0.07
RIVERSDE_115KV_TB3 55908	34.17 0.17 0.00	29.90 0.21 0.00	28.92 0.29 0.00	27.83 0.25 0.00	27.95 0.25 0.00	28.73 0.17 0.00	33.34 0.23 0.00	35.31 0.28 0.00	33.32 0.26 0.00	31.25 0.16 0.29	31.66 0.10 0.26	33.26 0.03 0.40	35.43 0.04 0.67	37.77 -0.08 0.97	41.14 -0.17 1.05	42.89 -0.27 1.17	47.19 -0.15 1.40	52.29 -0.05 0.25	57.62 0.06 0.00	57.17 0.00 0.00	53.35 0.16 0.00	45.37 -0.14 0.34	39.21 0.00 0.67	34.98 -0.07 0.06
ROARING___BROOK_WT_PWR 323790	33.90 -0.10 0.00	29.54 -0.15 0.00	28.43 -0.20 0.00	27.39 -0.19 0.00	27.51 -0.19 0.00	28.36 -0.20 0.00	32.87 -0.23 0.00	34.82 -0.21 0.00	32.93 -0.13 0.00	31.31 -0.06 0.00	31.79 -0.03 0.00	33.63 0.00 0.00	36.03 -0.04 0.00	38.78 -0.04 0.00	42.32 -0.04 0.00	44.28 -0.04 0.00	48.69 -0.05 0.00	52.50 -0.10 0.00	57.45 -0.11 0.00	57.00 -0.17 0.00	52.98 -0.21 0.00	45.57 -0.27 0.00	39.56 -0.32 0.00	34.83 -0.28 0.00



ROCHESRG_115KV_T4 355643	34.34 0.34 0.00	30.08 0.39 0.00	28.89 0.26 0.00	27.77 0.19 0.00	27.87 0.17 0.00	28.73 0.17 0.00	32.94 -0.17 0.00	34.61 -0.42 0.00	32.73 -0.33 0.00	31.31 -0.06 0.00	31.98 0.16 0.00	33.93 0.30 0.00	36.28 0.22 0.00	39.29 0.47 0.00	43.00 0.64 0.00	45.17 0.84 0.00	49.57 0.83 0.00	53.44 0.84 0.00	57.85 0.29 0.00	57.75 0.57 0.00	53.51 0.32 0.00	46.63 0.78 0.00	40.56 0.68 0.00	35.99 0.88 0.00
ROCHESTER_9_IC 23652	34.51 0.51 0.00	30.22 0.53 0.00	29.00 0.37 0.00	27.88 0.30 0.00	27.98 0.28 0.00	28.84 0.29 0.00	33.07 -0.03 0.00	34.78 -0.25 0.00	32.89 -0.17 0.00	31.47 0.09 0.00	32.14 0.32 0.00	34.10 0.47 0.00	36.50 0.43 0.00	39.52 0.70 0.00	43.29 0.93 0.00	45.48 1.15 0.00	49.91 1.17 0.00	53.76 1.16 0.00	58.20 0.63 0.00	58.09 0.91 0.00	53.83 0.64 0.00	46.95 1.10 0.00	40.80 0.92 0.00	36.16 1.05 0.00
ROCKVIEW_13_KV_LD 356306	35.19 1.19 0.00	30.70 1.01 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.44 0.89 0.00	34.36 1.26 0.00	36.61 1.58 0.00	34.64 1.59 0.00	33.26 1.54 -0.34	33.69 1.56 -0.31	35.73 1.61 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.44 1.82 -1.25	47.49 1.77 -1.39	52.31 1.90 -1.67	54.90 2.00 -0.30	59.75 2.19 0.00	59.06 1.89 0.00	54.95 1.76 0.00	47.72 1.47 -0.40	42.12 1.44 -0.81	36.30 1.12 -0.07
ROME____115KV_TB2 80656	35.22 1.22 0.00	30.64 0.95 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.56 0.86 0.00	29.47 0.91 0.00	34.20 1.09 0.00	36.22 1.19 0.00	34.02 0.96 0.00	32.29 0.91 0.00	32.71 0.89 0.00	34.64 1.01 0.00	37.07 1.01 0.00	40.10 1.28 0.00	43.68 1.31 0.00	45.79 1.46 0.00	50.30 1.56 0.00	54.28 1.68 0.00	59.75 2.19 0.00	59.52 2.34 0.00	55.48 2.29 0.00	47.82 1.97 0.00	41.28 1.40 0.00	36.27 1.16 0.00
ROSETON___1 23587	34.75 0.75 0.00	30.34 0.65 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.10 0.54 0.00	33.90 0.79 0.00	36.05 1.02 0.00	34.08 1.03 0.00	32.63 0.94 -0.32	33.06 0.95 -0.29	35.05 0.98 -0.45	37.89 1.08 -0.74	40.94 1.05 -1.07	44.54 1.02 -1.16	46.59 0.97 -1.29	51.31 1.03 -1.55	53.99 1.11 -0.28	58.83 1.26 0.00	58.15 0.97 0.00	54.15 0.96 0.00	47.00 0.78 -0.37	41.26 0.64 -0.74	35.81 0.63 -0.06
ROSETON___2 23588	34.75 0.75 0.00	30.34 0.65 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.10 0.54 0.00	33.90 0.79 0.00	36.05 1.02 0.00	34.08 1.03 0.00	32.63 0.94 -0.32	33.06 0.95 -0.29	35.05 0.98 -0.45	37.89 1.08 -0.74	40.94 1.05 -1.07	44.54 1.02 -1.16	46.59 0.97 -1.29	51.31 1.03 -1.55	53.99 1.11 -0.28	58.83 1.26 0.00	58.15 0.97 0.00	54.15 0.96 0.00	47.00 0.78 -0.37	41.26 0.64 -0.74	35.81 0.63 -0.06
ROTTRDAM_115KV_TB3 80664	34.54 0.54 0.00	30.16 0.48 0.00	29.12 0.49 0.00	28.02 0.44 0.00	28.20 0.50 0.00	29.04 0.49 0.00	33.70 0.60 0.00	35.66 0.63 0.00	33.59 0.53 0.00	31.54 0.38 0.21	31.91 0.29 0.19	33.60 0.27 0.30	35.88 0.32 0.51	38.40 0.31 0.73	41.87 0.30 0.79	43.80 0.35 0.87	48.22 0.54 1.05	53.15 0.74 0.19	58.49 0.92 0.00	58.15 0.97 0.00	54.20 1.01 0.00	46.28 0.69 0.25	40.02 0.64 0.50	35.56 0.49 0.04
RUSSELL___1 23602	34.71 0.71 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.12 0.42 0.00	28.98 0.43 0.00	33.24 0.13 0.00	34.96 -0.07 0.00	33.06 0.00 0.00	31.66 0.28 0.00	32.36 0.54 0.00	34.34 0.71 0.00	36.75 0.69 0.00	39.79 0.97 0.00	43.59 1.23 0.00	45.87 1.55 0.00	50.30 1.56 0.00	54.23 1.63 0.00	58.66 1.09 0.00	58.55 1.37 0.00	54.25 1.06 0.00	47.27 1.42 0.00	41.04 1.16 0.00	36.37 1.26 0.00
RUSSELL___2 23532	34.71 0.71 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.12 0.42 0.00	28.98 0.43 0.00	33.24 0.13 0.00	34.96 -0.07 0.00	33.06 0.00 0.00	31.66 0.28 0.00	32.36 0.54 0.00	34.34 0.71 0.00	36.75 0.69 0.00	39.79 0.97 0.00	43.59 1.23 0.00	45.87 1.55 0.00	50.30 1.56 0.00	54.23 1.63 0.00	58.66 1.09 0.00	58.55 1.37 0.00	54.25 1.06 0.00	47.27 1.42 0.00	41.04 1.16 0.00	36.37 1.26 0.00
RUSSELL___3 23549	34.71 0.71 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.12 0.42 0.00	28.98 0.43 0.00	33.24 0.13 0.00	34.96 -0.07 0.00	33.06 0.00 0.00	31.66 0.28 0.00	32.36 0.54 0.00	34.34 0.71 0.00	36.75 0.69 0.00	39.79 0.97 0.00	43.59 1.23 0.00	45.87 1.55 0.00	50.30 1.56 0.00	54.23 1.63 0.00	58.66 1.09 0.00	58.55 1.37 0.00	54.25 1.06 0.00	47.27 1.42 0.00	41.04 1.16 0.00	36.37 1.26 0.00
RUSSELL___4 23556	34.71 0.71 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.12 0.42 0.00	28.98 0.43 0.00	33.24 0.13 0.00	34.96 -0.07 0.00	33.06 0.00 0.00	31.66 0.28 0.00	32.36 0.54 0.00	34.34 0.71 0.00	36.75 0.69 0.00	39.79 0.97 0.00	43.59 1.23 0.00	45.87 1.55 0.00	50.30 1.56 0.00	54.23 1.63 0.00	58.66 1.09 0.00	58.55 1.37 0.00	54.25 1.06 0.00	47.27 1.42 0.00	41.04 1.16 0.00	36.37 1.26 0.00
RUSSELL___STATION 23914	34.71 0.71 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.12 0.42 0.00	28.98 0.43 0.00	33.24 0.13 0.00	34.96 -0.07 0.00	33.06 0.00 0.00	31.66 0.28 0.00	32.36 0.54 0.00	34.34 0.71 0.00	36.75 0.69 0.00	39.79 0.97 0.00	43.59 1.23 0.00	45.87 1.55 0.00	50.30 1.56 0.00	54.23 1.63 0.00	58.66 1.09 0.00	58.55 1.37 0.00	54.25 1.06 0.00	47.27 1.42 0.00	41.04 1.16 0.00	36.37 1.26 0.00
S SALMON___HYD 24043	34.17 0.17 0.00	29.78 0.09 0.00	28.66 0.03 0.00	27.58 0.00 0.00	27.73 0.03 0.00	28.61 0.06 0.00	33.14 0.03 0.00	35.07 0.04 0.00	32.99 -0.07 0.00	31.31 -0.06 0.00	31.76 -0.06 0.00	33.60 -0.03 0.00	35.99 -0.07 0.00	38.86 0.04 0.00	42.36 0.00 0.00	44.41 0.09 0.00	48.69 -0.05 0.00	52.55 -0.05 0.00	57.68 0.12 0.00	57.52 0.35 0.00	53.57 0.37 0.00	46.31 0.46 0.00	40.20 0.32 0.00	35.29 0.18 0.00
S.PERRY__115KV_TB1 80734	35.63 1.63 0.00	31.20 1.51 0.00	29.92 1.29 0.00	28.74 1.16 0.00	28.84 1.14 0.00	29.78 1.23 0.00	34.13 1.03 0.00	35.63 0.60 0.00	33.39 0.33 0.00	31.78 0.41 0.00	32.39 0.57 0.00	34.34 0.71 0.00	36.79 0.72 0.00	39.83 1.01 0.00	43.63 1.27 0.00	44.46 0.13 0.00	48.83 0.10 0.00	52.92 0.32 0.00	57.85 0.29 0.00	58.38 1.20 0.00	54.20 1.01 0.00	47.27 1.42 0.00	42.27 2.39 0.00	37.39 2.28 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	34.44 0.44 0.00	30.25 0.56 0.00	29.00 0.37 0.00	27.86 0.28 0.00	27.98 0.28 0.00	28.81 0.26 0.00	32.64 -0.46 0.00	33.98 -1.05 0.00	32.23 -0.83 0.00	31.00 -0.38 0.00	31.76 -0.06 0.00	33.73 0.10 0.00	36.03 -0.04 0.00	39.05 0.23 0.00	42.79 0.42 0.00	44.94 0.62 0.00	49.37 0.63 0.00	53.07 0.47 0.00	57.28 -0.29 0.00	57.29 0.11 0.00	52.82 -0.37 0.00	46.40 0.55 0.00	40.56 0.68 0.00	36.34 1.23 0.00



SAWYER___23_KV_LOAD 55526	34.44 0.44 0.00	30.25 0.56 0.00	29.00 0.37 0.00	27.86 0.28 0.00	27.98 0.28 0.00	28.81 0.26 0.00	32.64 -0.46 0.00	33.98 -1.05 0.00	32.23 -0.83 0.00	31.00 -0.38 0.00	31.76 -0.06 0.00	33.73 0.10 0.00	36.03 -0.04 0.00	39.05 0.23 0.00	42.79 0.42 0.00	44.94 0.62 0.00	49.37 0.63 0.00	53.07 0.47 0.00	57.28 -0.29 0.00	57.29 0.11 0.00	52.82 -0.37 0.00	46.40 0.55 0.00	40.56 0.68 0.00	36.34 1.23 0.00
SELKIRK___I 23801	34.37 0.37 0.00	30.05 0.36 0.00	29.06 0.43 0.00	27.97 0.39 0.00	28.12 0.42 0.00	28.90 0.34 0.00	33.50 0.40 0.00	35.42 0.39 0.00	33.32 0.26 0.00	31.39 0.16 0.14	31.78 0.10 0.13	33.46 0.03 0.20	35.80 0.07 0.34	38.29 -0.04 0.49	41.75 -0.08 0.53	43.65 -0.09 0.59	48.08 0.05 0.71	52.68 0.21 0.13	57.91 0.35 0.00	57.52 0.35 0.00	53.67 0.48 0.00	45.95 0.28 0.17	39.78 0.24 0.34	35.29 0.21 0.03
SELKIRK___II 23799	34.17 0.17 0.00	29.90 0.21 0.00	28.89 0.26 0.00	27.80 0.22 0.00	27.95 0.25 0.00	28.73 0.17 0.00	33.34 0.23 0.00	35.28 0.25 0.00	33.29 0.23 0.00	31.36 0.16 0.17	31.79 0.13 0.16	33.45 0.07 0.25	35.76 0.11 0.41	38.23 0.00 0.59	41.68 -0.04 0.64	43.48 -0.13 0.71	47.83 -0.05 0.86	52.50 0.05 0.15	57.68 0.12 0.00	57.23 0.06 0.00	53.35 0.16 0.00	45.64 0.00 0.21	39.43 -0.04 0.41	35.08 0.00 0.03
SENECA OSWGO___HYD 24041	33.49 -0.51 0.00	29.24 -0.44 0.00	28.17 -0.46 0.00	27.14 -0.44 0.00	27.26 -0.44 0.00	28.10 -0.46 0.00	32.54 -0.56 0.00	34.36 -0.67 0.00	32.46 -0.59 0.00	30.87 -0.50 0.00	31.34 -0.48 0.00	33.16 -0.47 0.00	35.56 -0.50 0.00	38.36 -0.46 0.00	41.86 -0.51 0.00	43.84 -0.49 0.00	48.15 -0.58 0.00	52.02 -0.58 0.00	56.88 -0.69 0.00	56.60 -0.57 0.00	52.61 -0.58 0.00	45.39 -0.46 0.00	39.52 -0.36 0.00	34.69 -0.42 0.00
SENECA___115KV_TB3 355854	34.68 0.68 0.00	30.43 0.74 0.00	29.21 0.57 0.00	28.02 0.44 0.00	28.15 0.44 0.00	29.01 0.46 0.00	32.91 -0.20 0.00	34.26 -0.77 0.00	32.53 -0.53 0.00	31.28 -0.09 0.00	32.04 0.22 0.00	34.07 0.44 0.00	36.46 0.40 0.00	39.52 0.70 0.00	43.29 0.93 0.00	45.48 1.15 0.00	49.91 1.17 0.00	53.70 1.10 0.00	58.03 0.46 0.00	58.09 0.91 0.00	53.51 0.32 0.00	46.95 1.10 0.00	40.96 1.08 0.00	36.65 1.54 0.00
SENECA___ENERGY 23797	34.17 0.17 0.00	29.87 0.18 0.00	28.69 0.06 0.00	27.61 0.03 0.00	27.73 0.03 0.00	28.64 0.09 0.00	33.07 -0.03 0.00	34.86 -0.17 0.00	32.93 -0.13 0.00	31.38 0.00 0.00	31.95 0.13 0.00	33.83 0.20 0.00	36.28 0.22 0.00	39.21 0.39 0.00	42.83 0.47 0.00	44.94 0.62 0.00	49.18 0.44 0.00	53.18 0.58 0.00	58.03 0.46 0.00	57.92 0.74 0.00	53.67 0.48 0.00	46.44 0.59 0.00	40.64 0.76 0.00	35.60 0.49 0.00
SHOEMAKER___GT 23640	34.72 0.72 0.00	30.28 0.59 0.00	29.18 0.54 0.00	28.08 0.50 0.00	28.26 0.55 0.00	29.07 0.51 0.00	33.83 0.73 0.00	35.94 0.91 0.00	33.95 0.89 0.00	32.48 0.81 -0.29	32.91 0.83 -0.26	34.88 0.84 -0.41	37.68 0.94 -0.68	40.69 0.89 -0.97	44.31 0.89 -1.05	46.38 0.89 -1.17	51.07 0.92 -1.41	53.96 1.11 -0.25	58.83 1.26 0.00	58.26 1.08 0.00	54.25 1.06 0.00	47.01 0.83 -0.34	41.28 0.72 -0.68	35.83 0.67 -0.06
SHOEMAKR_138KV_BK 111 55601	34.68 0.68 0.00	30.28 0.59 0.00	29.18 0.54 0.00	28.08 0.50 0.00	28.23 0.53 0.00	29.07 0.51 0.00	33.83 0.73 0.00	35.94 0.91 0.00	33.95 0.89 0.00	32.48 0.82 -0.28	32.90 0.83 -0.26	34.87 0.84 -0.40	37.71 0.97 -0.67	40.72 0.93 -0.96	44.29 0.89 -1.04	46.37 0.89 -1.16	51.06 0.93 -1.39	53.96 1.10 -0.25	58.83 1.27 0.00	58.26 1.09 0.00	54.25 1.06 0.00	47.01 0.83 -0.34	41.39 0.84 -0.67	35.83 0.67 -0.06
SHOREHAM_IC_1 23715	36.46 2.45 -0.01	31.06 1.37 0.00	29.83 1.20 0.00	28.27 0.69 0.00	28.45 0.75 0.00	29.87 1.31 0.00	35.09 1.99 0.00	37.90 2.87 0.00	35.50 2.45 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.89 1.78 -0.48	38.53 1.66 -0.81	41.38 1.40 -1.16	44.13 0.51 -1.25	46.34 0.62 -1.39	50.80 0.39 -1.67	54.32 1.42 -0.30	61.25 3.69 0.00	58.54 1.37 0.00	55.10 1.91 0.00	46.66 0.41 -0.40	41.17 0.48 -0.81	36.30 1.12 -0.07
SHOREHAM_IC_2 23716	36.45 2.45 0.00	31.06 1.37 0.00	29.84 1.20 0.00	28.27 0.69 0.00	28.45 0.75 0.00	29.90 1.34 0.00	35.09 1.99 0.00	37.90 2.87 0.00	35.50 2.45 0.00	33.35 1.63 -0.34	33.75 1.62 -0.31	35.89 1.78 -0.48	38.64 1.77 -0.81	41.45 1.48 -1.16	44.12 0.51 -1.25	46.34 0.62 -1.39	50.75 0.34 -1.67	54.38 1.47 -0.30	61.25 3.68 0.00	59.29 2.12 0.00	55.16 1.97 0.00	46.80 0.55 -0.40	42.00 1.32 -0.81	36.48 1.30 -0.07
SISSONVILLE____ 23735	34.99 0.99 0.00	30.43 0.74 0.00	29.38 0.74 0.00	28.35 0.77 0.00	28.59 0.89 0.00	29.55 1.00 0.00	34.33 1.22 0.00	36.26 1.23 0.00	34.05 0.99 0.00	32.35 0.97 0.00	32.77 0.95 0.00	34.64 1.01 0.00	37.11 1.05 0.00	39.98 1.16 0.00	43.68 1.31 0.00	45.74 1.42 0.00	50.00 1.27 0.00	53.49 0.89 0.00	58.49 0.92 0.00	58.15 0.97 0.00	54.36 1.17 0.00	47.13 1.28 0.00	41.08 1.20 0.00	36.37 1.26 0.00
SITHE_IND_GS1 24169	33.01 -0.99 0.00	28.86 -0.83 0.00	27.80 -0.83 0.00	26.78 -0.80 0.00	26.90 -0.80 0.00	27.73 -0.83 0.00	32.08 -1.03 0.00	33.91 -1.12 0.00	32.00 -1.06 0.00	30.44 -0.94 0.00	30.87 -0.95 0.00	32.65 -0.98 0.00	35.02 -1.05 0.00	37.77 -1.05 0.00	41.26 -1.10 0.00	43.17 -1.15 0.00	47.47 -1.27 0.00	51.23 -1.37 0.00	55.96 -1.61 0.00	55.69 -1.49 0.00	51.76 -1.43 0.00	44.70 -1.14 0.00	38.89 -1.00 0.00	34.20 -0.91 0.00
SITHE_IND_GS2 24170	33.01 -0.99 0.00	28.86 -0.83 0.00	27.80 -0.83 0.00	26.78 -0.80 0.00	26.90 -0.80 0.00	27.73 -0.83 0.00	32.08 -1.03 0.00	33.91 -1.12 0.00	32.00 -1.06 0.00	30.44 -0.94 0.00	30.87 -0.95 0.00	32.65 -0.98 0.00	35.02 -1.05 0.00	37.77 -1.05 0.00	41.26 -1.10 0.00	43.17 -1.15 0.00	47.47 -1.27 0.00	51.23 -1.37 0.00	55.96 -1.61 0.00	55.69 -1.49 0.00	51.76 -1.43 0.00	44.70 -1.14 0.00	38.89 -1.00 0.00	34.20 -0.91 0.00
SITHE_IND_GS3 24171	33.01 -0.99 0.00	28.86 -0.83 0.00	27.80 -0.83 0.00	26.78 -0.80 0.00	26.90 -0.80 0.00	27.73 -0.83 0.00	32.08 -1.03 0.00	33.91 -1.12 0.00	32.00 -1.06 0.00	30.44 -0.94 0.00	30.87 -0.95 0.00	32.65 -0.98 0.00	35.02 -1.05 0.00	37.77 -1.05 0.00	41.26 -1.10 0.00	43.17 -1.15 0.00	47.47 -1.27 0.00	51.23 -1.37 0.00	55.96 -1.61 0.00	55.69 -1.49 0.00	51.76 -1.43 0.00	44.70 -1.14 0.00	38.89 -1.00 0.00	34.20 -0.91 0.00
SITHE_IND_GS4 24172	33.01 -0.99 0.00	28.86 -0.83 0.00	27.80 -0.83 0.00	26.78 -0.80 0.00	26.90 -0.80 0.00	27.73 -0.83 0.00	32.08 -1.03 0.00	33.91 -1.12 0.00	32.00 -1.06 0.00	30.44 -0.94 0.00	30.87 -0.95 0.00	32.65 -0.98 0.00	35.02 -1.05 0.00	37.77 -1.05 0.00	41.26 -1.10 0.00	43.17 -1.15 0.00	47.47 -1.27 0.00	51.23 -1.37 0.00	55.96 -1.61 0.00	55.69 -1.49 0.00	51.76 -1.43 0.00	44.70 -1.14 0.00	38.89 -1.00 0.00	34.20 -0.91 0.00



SITHE___BATAVIA 24024	35.49 1.49 0.00	31.11 1.43 0.00	29.83 1.20 0.00	28.49 0.91 0.00	28.78 1.08 0.00	29.75 1.20 0.00	33.67 0.56 0.00	35.17 0.14 0.00	33.19 0.13 0.00	31.82 0.44 0.00	32.55 0.73 0.00	34.57 0.94 0.00	36.97 0.90 0.00	40.14 1.32 0.00	44.01 1.65 0.00	46.41 2.08 0.00	50.44 1.70 0.00	54.44 1.84 0.00	58.78 1.21 0.00	58.95 1.77 0.00	54.57 1.38 0.00	47.82 1.97 0.00	42.32 2.43 0.00	37.29 2.18 0.00
SITHE___INDEPEND 23800	33.01 -0.99 0.00	28.86 -0.83 0.00	27.80 -0.83 0.00	26.78 -0.80 0.00	26.90 -0.80 0.00	27.70 -0.86 0.00	32.08 -1.03 0.00	33.91 -1.12 0.00	32.00 -1.06 0.00	30.44 -0.94 0.00	30.87 -0.95 0.00	32.65 -0.98 0.00	35.02 -1.05 0.00	37.77 -1.05 0.00	41.26 -1.10 0.00	43.17 -1.15 0.00	47.47 -1.27 0.00	51.18 -1.42 0.00	55.95 -1.61 0.00	55.69 -1.49 0.00	51.70 -1.49 0.00	44.70 -1.15 0.00	38.81 -1.08 0.00	34.20 -0.91 0.00
SITHE___MASSENA 23902	34.78 0.78 0.00	30.31 0.62 0.00	29.26 0.63 0.00	28.24 0.66 0.00	28.40 0.69 0.00	29.33 0.77 0.00	34.03 0.93 0.00	35.94 0.91 0.00	33.82 0.76 0.00	32.13 0.75 0.00	32.55 0.73 0.00	34.40 0.77 0.00	36.86 0.79 0.00	39.71 0.89 0.00	43.38 1.02 0.00	45.39 1.06 0.00	49.86 1.12 0.00	53.60 1.00 0.00	58.60 1.04 0.00	58.20 1.03 0.00	54.31 1.12 0.00	46.95 1.10 0.00	40.84 0.96 0.00	36.06 0.95 0.00
SITHE___OGDNSBRG 24021	35.43 1.43 0.00	30.88 1.19 0.00	29.78 1.15 0.00	28.74 1.16 0.00	28.92 1.22 0.00	29.90 1.34 0.00	34.69 1.59 0.00	36.61 1.58 0.00	34.25 1.19 0.00	32.44 1.07 0.00	32.84 1.02 0.00	34.67 1.04 0.00	37.11 1.05 0.00	40.02 1.20 0.00	43.72 1.36 0.00	45.79 1.46 0.00	50.25 1.51 0.00	54.02 1.42 0.00	59.29 1.73 0.00	59.18 2.00 0.00	55.37 2.18 0.00	47.91 2.06 0.00	41.60 1.71 0.00	36.76 1.65 0.00
SITHE___STERLING 23777	34.85 0.85 0.00	30.37 0.68 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.18 0.63 0.00	33.83 0.73 0.00	35.84 0.81 0.00	33.72 0.66 0.00	31.97 0.59 0.00	32.42 0.60 0.00	34.34 0.71 0.00	36.75 0.68 0.00	39.71 0.89 0.00	43.29 0.93 0.00	45.39 1.06 0.00	49.86 1.12 0.00	53.81 1.21 0.00	59.12 1.55 0.00	58.95 1.77 0.00	54.84 1.65 0.00	47.31 1.47 0.00	40.96 1.08 0.00	35.95 0.84 0.00
SLEIGHT__34_KV_TB1 80719	34.07 0.07 0.00	29.78 0.09 0.00	28.63 0.00 0.00	27.52 -0.06 0.00	27.65 -0.06 0.00	28.53 -0.03 0.00	32.87 -0.23 0.00	34.61 -0.42 0.00	32.73 -0.33 0.00	31.22 -0.16 0.00	31.85 0.03 0.00	33.76 0.13 0.00	36.17 0.11 0.00	39.09 0.27 0.00	42.79 0.42 0.00	44.94 0.62 0.00	49.27 0.54 0.00	53.18 0.58 0.00	57.74 0.17 0.00	57.63 0.46 0.00	53.46 0.27 0.00	46.40 0.55 0.00	40.28 0.40 0.00	35.57 0.46 0.00
SMITHTWN_69_KV_BK 1 55830	36.41 2.41 0.00	31.29 1.60 0.00	30.06 1.43 0.00	28.63 1.05 0.00	28.81 1.11 0.00	30.10 1.54 0.00	35.26 2.15 0.00	37.76 2.73 0.00	35.54 2.48 0.00	33.69 1.98 -0.34	34.23 2.10 -0.31	36.47 2.35 -0.48	39.32 2.45 -0.81	42.11 2.14 -1.16	44.80 1.19 -1.25	47.05 1.33 -1.39	51.58 1.17 -1.67	55.16 2.26 -0.30	61.25 3.68 0.00	59.58 2.40 0.00	55.42 2.23 0.00	47.44 1.19 -0.40	42.60 1.91 -0.81	37.04 1.86 -0.07
SOUTH CAIRO___GT 23612	34.99 0.99 0.00	30.52 0.83 0.00	29.61 0.97 0.00	28.43 0.85 0.00	28.59 0.89 0.00	29.41 0.86 0.00	34.13 1.03 0.00	35.94 0.91 0.00	33.72 0.66 0.00	31.97 0.69 0.10	32.27 0.54 0.09	33.93 0.44 0.14	36.33 0.50 0.23	38.99 0.50 0.34	42.55 0.55 0.37	44.58 0.66 0.41	49.27 1.02 0.49	54.14 1.63 0.09	59.24 1.67 0.00	59.00 1.83 0.00	55.26 2.07 0.00	47.43 1.70 0.12	41.16 1.52 0.23	36.28 1.19 0.02
SOUTH HAMPTN___IC 23720	36.86 2.86 -0.01	31.47 1.78 0.00	30.24 1.60 0.00	28.65 1.07 0.00	28.84 1.14 0.00	30.27 1.71 0.00	35.46 2.35 0.00	38.18 3.15 0.00	35.80 2.74 0.00	33.76 2.04 -0.34	34.20 2.07 -0.31	36.43 2.32 -0.48	39.11 2.24 -0.81	42.04 2.06 -1.16	44.80 1.18 -1.25	47.09 1.38 -1.39	51.58 1.17 -1.67	55.16 2.26 -0.30	61.94 4.37 0.00	59.23 2.06 0.00	55.69 2.50 0.00	47.26 1.01 -0.40	41.68 1.00 -0.81	36.83 1.65 -0.07
SOUTHDOW_115KV_TB1 355954	34.95 0.95 0.00	30.64 0.95 0.00	29.38 0.74 0.00	28.19 0.61 0.00	28.31 0.61 0.00	29.33 0.77 0.00	33.63 0.53 0.00	35.17 0.14 0.00	33.42 0.36 0.00	32.35 0.97 0.00	33.19 1.37 0.00	35.31 1.68 0.00	37.94 1.88 0.00	41.19 2.37 0.00	45.07 2.71 0.00	47.34 3.01 0.00	51.86 3.12 0.00	55.23 2.63 0.00	59.81 2.25 0.00	59.92 2.74 0.00	55.05 1.86 0.00	48.09 2.25 0.00	41.84 1.95 0.00	37.29 2.18 0.00
SOUTHOLD_69_KV_BK 2 55809	37.37 3.37 0.00	31.92 2.23 0.00	30.64 2.00 0.00	29.04 1.46 0.00	29.20 1.50 0.00	30.67 2.11 0.00	35.79 2.68 0.00	38.46 3.43 0.00	36.10 3.04 0.00	34.04 2.32 -0.34	34.55 2.42 -0.31	36.84 2.72 -0.48	39.68 2.81 -0.81	42.62 2.64 -1.16	45.35 1.74 -1.25	47.71 1.99 -1.39	52.22 1.80 -1.67	55.90 3.00 -0.30	62.58 5.01 0.00	60.43 3.26 0.00	56.12 2.93 0.00	47.72 1.47 -0.40	42.84 2.15 -0.81	37.46 2.28 -0.07
SOUTHOLD___IC 23719	37.37 3.37 -0.01	31.92 2.23 0.00	30.64 2.00 0.00	29.04 1.46 0.00	29.20 1.50 0.00	30.64 2.08 0.00	35.79 2.68 0.00	38.46 3.43 0.00	36.10 3.04 0.00	34.01 2.29 -0.34	34.55 2.42 -0.31	36.83 2.72 -0.48	39.58 2.71 -0.81	42.54 2.56 -1.16	45.35 1.74 -1.25	47.71 2.00 -1.39	52.22 1.80 -1.67	55.85 2.94 -0.30	62.57 5.01 0.00	59.75 2.58 0.00	56.06 2.87 0.00	47.63 1.37 -0.40	42.00 1.31 -0.81	37.25 2.07 -0.07
SOUTH_FORK_WT_PWR 323839	37.37 3.37 -0.01	31.92 2.23 0.00	30.67 2.03 0.00	29.04 1.46 0.00	29.20 1.50 0.00	30.64 2.08 0.00	35.69 2.58 0.00	38.36 3.33 0.00	35.93 2.87 0.00	33.85 2.13 -0.34	34.39 2.26 -0.31	36.70 2.59 -0.48	39.43 2.56 -0.81	42.35 2.37 -1.16	45.18 1.57 -1.25	47.49 1.77 -1.39	51.92 1.51 -1.67	55.48 2.58 -0.30	62.17 4.61 0.00	59.29 2.12 0.00	55.64 2.45 0.00	47.26 1.01 -0.40	41.72 1.04 -0.81	37.14 1.96 -0.07
SPIERFLS_115KV_TB 1 80737	34.71 0.71 0.00	30.28 0.59 0.00	29.26 0.63 0.00	28.13 0.55 0.00	28.31 0.61 0.00	29.21 0.66 0.00	34.00 0.89 0.00	35.98 0.95 0.00	33.85 0.79 0.00	31.57 0.47 0.28	31.66 0.10 0.25	33.27 0.03 0.39	35.52 0.11 0.65	37.84 -0.04 0.94	41.22 -0.13 1.01	43.15 -0.04 1.13	47.68 0.29 1.35	52.99 0.63 0.24	58.95 1.38 0.00	58.78 1.60 0.00	55.05 1.86 0.00	46.67 1.15 0.33	40.27 1.04 0.65	35.83 0.77 0.06
ST LAWRENCE____ 23600	34.24 0.24 0.00	29.87 0.18 0.00	28.83 0.20 0.00	27.80 0.22 0.00	27.93 0.22 0.00	28.84 0.29 0.00	33.44 0.33 0.00	35.34 0.31 0.00	33.32 0.26 0.00	31.63 0.25 0.00	32.07 0.25 0.00	33.90 0.27 0.00	36.32 0.25 0.00	39.09 0.27 0.00	42.70 0.34 0.00	44.68 0.35 0.00	49.08 0.34 0.00	52.86 0.26 0.00	57.86 0.29 0.00	57.40 0.23 0.00	53.51 0.32 0.00	46.17 0.32 0.00	40.16 0.28 0.00	35.43 0.32 0.00



STATE_CA_115KV_115_LB 55624	34.20 0.20 0.00	29.90 0.21 0.00	28.95 0.31 0.00	27.86 0.28 0.00	27.98 0.28 0.00	28.75 0.20 0.00	33.37 0.26 0.00	35.35 0.32 0.00	33.35 0.30 0.00	31.30 0.19 0.27	31.74 0.16 0.24	33.35 0.10 0.38	35.55 0.11 0.63	37.88 -0.04 0.90	41.30 -0.08 0.97	43.11 -0.13 1.08	47.43 0.00 1.30	52.47 0.11 0.24	57.74 0.17 0.00	57.29 0.11 0.00	53.46 0.27 0.00	45.49 -0.05 0.31	39.34 0.08 0.63	35.02 -0.04 0.05
STATE_ST_34_KV_LOAD 55959	34.17 0.17 0.00	29.84 0.15 0.00	28.72 0.09 0.00	27.64 0.06 0.00	27.76 0.06 0.00	28.61 0.06 0.00	33.14 0.03 0.00	34.96 -0.07 0.00	33.02 -0.03 0.00	31.38 0.00 0.00	31.95 0.13 0.00	33.80 0.17 0.00	36.24 0.18 0.00	39.13 0.31 0.00	42.74 0.38 0.00	44.81 0.49 0.00	49.18 0.44 0.00	53.18 0.58 0.00	58.14 0.58 0.00	57.92 0.74 0.00	53.78 0.59 0.00	46.54 0.69 0.00	40.36 0.48 0.00	35.50 0.39 0.00
STATION_5_MISC_HYD 23604	34.51 0.51 0.00	30.19 0.50 0.00	29.00 0.37 0.00	27.88 0.30 0.00	27.98 0.28 0.00	28.90 0.34 0.00	33.07 -0.03 0.00	34.79 -0.24 0.00	32.89 -0.16 0.00	31.47 0.09 0.00	32.14 0.32 0.00	34.10 0.47 0.00	36.50 0.43 0.00	39.56 0.74 0.00	43.29 0.93 0.00	45.56 1.24 0.00	49.86 1.12 0.00	53.81 1.21 0.00	58.20 0.63 0.00	58.09 0.91 0.00	53.88 0.69 0.00	46.95 1.10 0.00	41.32 1.43 0.00	36.16 1.05 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	34.27 0.27 0.00	29.99 0.30 0.00	28.80 0.17 0.00	27.69 0.11 0.00	27.82 0.11 0.00	28.67 0.11 0.00	33.01 -0.10 0.00	34.78 -0.25 0.00	32.86 -0.20 0.00	31.38 0.00 0.00	31.98 0.16 0.00	33.90 0.27 0.00	36.32 0.25 0.00	39.29 0.47 0.00	43.00 0.64 0.00	45.17 0.84 0.00	49.47 0.73 0.00	53.44 0.84 0.00	58.03 0.46 0.00	57.92 0.74 0.00	53.67 0.48 0.00	46.67 0.83 0.00	40.52 0.64 0.00	35.81 0.70 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	34.27 0.27 0.00	29.99 0.30 0.00	28.80 0.17 0.00	27.69 0.11 0.00	27.79 0.08 0.00	28.64 0.09 0.00	32.87 -0.23 0.00	34.61 -0.42 0.00	32.73 -0.33 0.00	31.31 -0.06 0.00	31.98 0.16 0.00	33.90 0.27 0.00	36.32 0.25 0.00	39.29 0.47 0.00	43.04 0.68 0.00	45.21 0.89 0.00	49.61 0.88 0.00	53.49 0.89 0.00	57.91 0.35 0.00	57.75 0.57 0.00	53.51 0.32 0.00	46.63 0.78 0.00	40.52 0.64 0.00	35.88 0.77 0.00
STA_56___34_KV_BUS2 355983	34.27 0.27 0.00	29.99 0.30 0.00	28.80 0.17 0.00	27.69 0.11 0.00	27.79 0.08 0.00	28.64 0.09 0.00	32.87 -0.23 0.00	34.61 -0.42 0.00	32.73 -0.33 0.00	31.31 -0.06 0.00	31.98 0.16 0.00	33.90 0.27 0.00	36.32 0.25 0.00	39.29 0.47 0.00	43.04 0.68 0.00	45.21 0.89 0.00	49.61 0.88 0.00	53.49 0.89 0.00	57.91 0.35 0.00	57.75 0.57 0.00	53.51 0.32 0.00	46.63 0.78 0.00	40.52 0.64 0.00	35.88 0.77 0.00
STA_67___115KV_BK2 355882	34.44 0.44 0.00	30.13 0.45 0.00	28.95 0.31 0.00	27.83 0.25 0.00	27.93 0.22 0.00	28.78 0.23 0.00	33.01 -0.10 0.00	34.68 -0.35 0.00	32.79 -0.26 0.00	31.41 0.03 0.00	32.04 0.22 0.00	34.00 0.37 0.00	36.39 0.32 0.00	39.36 0.54 0.00	43.13 0.76 0.00	45.30 0.98 0.00	49.71 0.97 0.00	53.60 1.00 0.00	58.03 0.46 0.00	57.92 0.74 0.00	53.67 0.48 0.00	46.77 0.92 0.00	40.68 0.80 0.00	36.06 0.95 0.00
STA_7___115KV_9TRANS 80674	34.71 0.71 0.00	30.37 0.68 0.00	29.15 0.52 0.00	28.02 0.44 0.00	28.12 0.42 0.00	28.98 0.43 0.00	33.24 0.13 0.00	34.96 -0.07 0.00	33.06 0.00 0.00	31.66 0.28 0.00	32.36 0.54 0.00	34.34 0.71 0.00	36.75 0.69 0.00	39.79 0.97 0.00	43.59 1.23 0.00	45.87 1.55 0.00	50.30 1.56 0.00	54.23 1.63 0.00	58.66 1.09 0.00	58.55 1.37 0.00	54.25 1.06 0.00	47.27 1.42 0.00	41.04 1.16 0.00	36.37 1.26 0.00
STA_82___115KV_TB1 80780	34.44 0.44 0.00	30.16 0.48 0.00	28.95 0.31 0.00	27.83 0.25 0.00	27.93 0.22 0.00	28.78 0.23 0.00	33.01 -0.10 0.00	34.71 -0.32 0.00	32.83 -0.23 0.00	31.41 0.03 0.00	32.07 0.25 0.00	34.03 0.40 0.00	36.39 0.32 0.00	39.40 0.58 0.00	43.17 0.80 0.00	45.34 1.02 0.00	49.71 0.97 0.00	53.60 1.00 0.00	58.03 0.46 0.00	57.92 0.74 0.00	53.67 0.48 0.00	46.81 0.96 0.00	40.68 0.80 0.00	36.09 0.98 0.00
STEEL___WIND 323596	34.64 0.64 0.00	30.40 0.71 0.00	29.18 0.54 0.00	27.99 0.41 0.00	28.15 0.44 0.00	29.07 0.51 0.00	32.87 -0.23 0.00	34.23 -0.80 0.00	32.46 -0.59 0.00	31.25 -0.13 0.00	32.01 0.19 0.00	34.03 0.41 0.00	36.39 0.32 0.00	39.52 0.70 0.00	43.21 0.85 0.00	45.47 1.15 0.00	49.86 1.12 0.00	53.65 1.05 0.00	57.91 0.35 0.00	58.03 0.86 0.00	53.46 0.27 0.00	46.90 1.06 0.00	41.72 1.84 0.00	36.65 1.54 0.00
STEPHTWN_115KV_BK_2 55603	34.34 0.34 0.00	30.02 0.33 0.00	29.06 0.43 0.00	27.94 0.36 0.00	28.06 0.36 0.00	28.87 0.31 0.00	33.50 0.40 0.00	35.49 0.46 0.00	33.49 0.43 0.00	31.40 0.28 0.26	31.84 0.25 0.24	33.46 0.20 0.37	35.67 0.22 0.61	38.02 0.08 0.88	41.50 0.08 0.95	43.31 0.04 1.06	47.71 0.24 1.27	52.79 0.42 0.23	58.08 0.52 0.00	57.69 0.51 0.00	53.83 0.64 0.00	45.82 0.28 0.31	39.59 0.32 0.61	35.23 0.18 0.05
STEBEN_REC_LFGE 323667	34.99 0.99 0.00	30.64 0.95 0.00	29.38 0.74 0.00	28.19 0.61 0.00	28.29 0.58 0.00	29.18 0.63 0.00	33.44 0.33 0.00	34.82 -0.21 0.00	32.79 -0.26 0.00	31.35 -0.03 0.00	32.07 0.25 0.00	34.03 0.40 0.00	36.53 0.47 0.00	39.56 0.74 0.00	43.29 0.93 0.00	45.30 0.98 0.00	49.71 0.97 0.00	53.81 1.21 0.00	58.66 1.09 0.00	58.89 1.72 0.00	54.31 1.12 0.00	47.22 1.38 0.00	41.12 1.24 0.00	36.48 1.37 0.00
STILLWATER___SOLAR 323814	34.99 0.99 0.00	30.55 0.86 0.00	29.49 0.86 0.00	28.38 0.80 0.00	28.54 0.83 0.00	29.41 0.86 0.00	34.16 1.06 0.00	36.15 1.12 0.00	34.02 0.96 0.00	31.73 0.66 0.31	32.02 0.48 0.28	33.63 0.44 0.43	35.84 0.50 0.72	38.25 0.47 1.04	41.70 0.47 1.13	43.61 0.53 1.25	48.11 0.88 1.50	53.54 1.21 0.27	59.24 1.67 0.00	58.95 1.77 0.00	55.10 1.91 0.00	46.82 1.33 0.36	40.24 1.08 0.72	36.00 0.95 0.06
STONY___BROOK 24151	36.46 2.45 -0.01	31.29 1.60 0.00	30.06 1.43 0.00	28.60 1.02 0.00	28.81 1.11 0.00	30.10 1.54 0.00	35.26 2.15 0.00	37.80 2.77 0.00	35.54 2.48 0.00	33.66 1.95 -0.34	34.20 2.07 -0.31	36.43 2.32 -0.48	39.11 2.24 -0.81	41.96 1.98 -1.16	44.72 1.10 -1.25	46.96 1.24 -1.39	51.48 1.07 -1.67	55.06 2.16 -0.30	61.25 3.69 0.00	59.06 1.88 0.00	55.37 2.18 0.00	47.26 1.01 -0.40	41.72 1.04 -0.81	36.79 1.62 -0.07
STURGEON_POOL_HYD 23609	34.75 0.75 0.00	30.31 0.62 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.31 0.61 0.00	29.10 0.54 0.00	33.87 0.76 0.00	36.01 0.98 0.00	34.02 0.96 0.00	32.59 1.04 -0.18	33.03 1.05 -0.16	34.92 1.04 -0.25	37.71 1.23 -0.42	40.63 1.20 -0.60	44.20 1.19 -0.65	46.20 1.15 -0.73	50.83 1.22 -0.87	54.18 1.42 -0.16	58.89 1.32 0.00	58.26 1.09 0.00	54.36 1.17 0.00	47.11 1.05 -0.21	41.38 1.08 -0.42	35.99 0.84 -0.04



ST_LAW_115_BK7_LBMP 345037	34.27 0.27 0.00	29.90 0.21 0.00	28.86 0.23 0.00	27.83 0.25 0.00	27.95 0.25 0.00	28.87 0.31 0.00	33.50 0.40 0.00	35.42 0.39 0.00	33.35 0.30 0.00	31.66 0.28 0.00	32.11 0.29 0.00	33.93 0.30 0.00	36.35 0.29 0.00	39.13 0.31 0.00	42.74 0.38 0.00	44.68 0.35 0.00	49.13 0.39 0.00	52.86 0.26 0.00	57.86 0.29 0.00	57.46 0.29 0.00	53.51 0.32 0.00	46.21 0.37 0.00	40.20 0.32 0.00	35.46 0.35 0.00
ST_LAW_115_BK8_LBMP 345038	34.27 0.27 0.00	29.90 0.21 0.00	28.86 0.23 0.00	27.83 0.25 0.00	27.95 0.25 0.00	28.87 0.31 0.00	33.50 0.40 0.00	35.42 0.39 0.00	33.35 0.30 0.00	31.66 0.28 0.00	32.11 0.29 0.00	33.93 0.30 0.00	36.35 0.29 0.00	39.13 0.31 0.00	42.74 0.38 0.00	44.68 0.35 0.00	49.13 0.39 0.00	52.86 0.26 0.00	57.86 0.29 0.00	57.46 0.29 0.00	53.51 0.32 0.00	46.21 0.37 0.00	40.20 0.32 0.00	35.46 0.35 0.00
ST_LAW_230_BK5_LBMP 345035	34.24 0.24 0.00	29.87 0.18 0.00	28.83 0.20 0.00	27.80 0.22 0.00	27.93 0.22 0.00	28.84 0.29 0.00	33.44 0.33 0.00	35.34 0.31 0.00	33.32 0.26 0.00	31.63 0.25 0.00	32.07 0.25 0.00	33.90 0.27 0.00	36.32 0.25 0.00	39.09 0.27 0.00	42.70 0.34 0.00	44.68 0.35 0.00	49.08 0.34 0.00	52.86 0.26 0.00	57.86 0.29 0.00	57.40 0.23 0.00	53.51 0.32 0.00	46.17 0.32 0.00	40.16 0.28 0.00	35.43 0.32 0.00
ST_LAW_230_BK6_LBMP 345036	34.24 0.24 0.00	29.87 0.18 0.00	28.83 0.20 0.00	27.80 0.22 0.00	27.93 0.22 0.00	28.84 0.29 0.00	33.44 0.33 0.00	35.34 0.31 0.00	33.32 0.26 0.00	31.63 0.25 0.00	32.07 0.25 0.00	33.90 0.27 0.00	36.32 0.25 0.00	39.09 0.27 0.00	42.70 0.34 0.00	44.68 0.35 0.00	49.08 0.34 0.00	52.86 0.26 0.00	57.86 0.29 0.00	57.40 0.23 0.00	53.51 0.32 0.00	46.17 0.32 0.00	40.16 0.28 0.00	35.43 0.32 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	34.78 0.78 0.00	30.34 0.65 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.13 0.57 0.00	33.93 0.83 0.00	36.08 1.05 0.00	34.12 1.06 0.00	32.68 1.00 -0.30	33.11 1.02 -0.27	35.09 1.04 -0.42	37.96 1.19 -0.70	40.99 1.16 -1.01	44.60 1.14 -1.09	46.60 1.06 -1.21	51.37 1.17 -1.46	54.18 1.32 -0.26	59.01 1.44 0.00	58.43 1.26 0.00	54.41 1.22 0.00	47.12 0.92 -0.35	41.54 0.96 -0.70	35.91 0.74 -0.06
SWANROAD_115KV_TB1 355699	34.37 0.37 0.00	30.25 0.56 0.00	29.03 0.40 0.00	27.44 -0.14 0.00	27.98 0.28 0.00	28.78 0.23 0.00	32.28 -0.83 0.00	33.42 -1.61 0.00	31.67 -1.39 0.00	30.47 -0.91 0.00	31.18 -0.64 0.00	33.12 -0.50 0.00	35.34 -0.72 0.00	38.28 -0.54 0.00	41.98 -0.38 0.00	44.06 -0.27 0.00	48.40 -0.34 0.00	52.02 -0.58 0.00	56.07 -1.50 0.00	56.15 -1.03 0.00	51.81 -1.38 0.00	45.57 -0.28 0.00	39.88 0.00 0.00	35.74 0.63 0.00
SYNERGY___BIOGAS 323694	35.50 1.50 0.00	31.14 1.45 0.00	29.84 1.20 0.00	28.49 0.91 0.00	28.79 1.08 0.00	29.70 1.14 0.00	33.67 0.56 0.00	35.17 0.14 0.00	33.19 0.13 0.00	31.82 0.44 0.00	32.55 0.73 0.00	34.57 0.94 0.00	36.97 0.90 0.00	40.10 1.28 0.00	44.01 1.65 0.00	46.32 1.99 0.00	50.44 1.71 0.00	54.39 1.79 0.00	58.83 1.27 0.00	58.95 1.77 0.00	54.52 1.33 0.00	47.82 1.97 0.00	41.56 1.68 0.00	37.04 1.93 0.00
SYRACUSE___ENERGY_ST1 323597	33.86 -0.14 0.00	29.57 -0.12 0.00	28.49 -0.14 0.00	27.41 -0.17 0.00	27.54 -0.17 0.00	28.38 -0.17 0.00	32.87 -0.23 0.00	34.75 -0.28 0.00	32.83 -0.23 0.00	31.22 -0.16 0.00	31.72 -0.10 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.82 0.00 0.00	42.41 0.04 0.00	44.41 0.09 0.00	48.79 0.05 0.00	52.65 0.05 0.00	57.51 -0.06 0.00	57.29 0.11 0.00	53.19 0.00 0.00	45.99 0.14 0.00	39.88 0.00 0.00	35.11 0.00 0.00
SYRACUSE___ENERGY_ST2 323598	33.86 -0.14 0.00	29.57 -0.12 0.00	28.49 -0.14 0.00	27.41 -0.17 0.00	27.54 -0.17 0.00	28.38 -0.17 0.00	32.87 -0.23 0.00	34.75 -0.28 0.00	32.83 -0.23 0.00	31.22 -0.16 0.00	31.72 -0.10 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.82 0.00 0.00	42.41 0.04 0.00	44.41 0.09 0.00	48.79 0.05 0.00	52.65 0.05 0.00	57.51 -0.06 0.00	57.29 0.11 0.00	53.19 0.00 0.00	45.99 0.14 0.00	39.88 0.00 0.00	35.11 0.00 0.00
SYRACUSE___POWER 24017	33.83 -0.17 0.00	29.54 -0.15 0.00	28.43 -0.20 0.00	27.39 -0.19 0.00	27.51 -0.19 0.00	28.35 -0.20 0.00	32.84 -0.26 0.00	34.71 -0.32 0.00	32.79 -0.26 0.00	31.19 -0.19 0.00	31.66 -0.16 0.00	33.53 -0.10 0.00	35.96 -0.11 0.00	38.78 -0.04 0.00	42.36 0.00 0.00	44.37 0.04 0.00	48.69 -0.05 0.00	52.55 -0.05 0.00	57.45 -0.12 0.00	57.17 0.00 0.00	53.08 -0.11 0.00	45.89 0.05 0.00	39.84 -0.04 0.00	35.04 -0.07 0.00
TALLMAN___138KV_BK151 55660	34.92 0.92 0.00	30.46 0.77 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.37 0.66 0.00	29.21 0.66 0.00	34.10 0.99 0.00	36.29 1.26 0.00	34.31 1.26 0.00	32.92 1.22 -0.32	33.35 1.24 -0.29	35.35 1.28 -0.45	38.29 1.48 -0.74	41.33 1.44 -1.07	44.96 1.44 -1.16	46.99 1.37 -1.29	51.70 1.41 -1.55	54.46 1.58 -0.28	59.29 1.73 0.00	58.66 1.49 0.00	54.57 1.38 0.00	47.32 1.10 -0.37	41.74 1.12 -0.74	36.05 0.88 -0.06
TEALLAVE_115KV_TB7 355573	33.69 -0.31 0.00	29.45 -0.24 0.00	28.35 -0.29 0.00	27.30 -0.28 0.00	27.43 -0.28 0.00	28.27 -0.29 0.00	32.74 -0.36 0.00	34.57 -0.46 0.00	32.69 -0.36 0.00	31.09 -0.28 0.00	31.60 -0.22 0.00	33.43 -0.20 0.00	35.85 -0.22 0.00	38.66 -0.16 0.00	42.24 -0.13 0.00	44.19 -0.13 0.00	48.54 -0.19 0.00	52.34 -0.26 0.00	57.16 -0.40 0.00	56.89 -0.29 0.00	52.82 -0.37 0.00	45.71 -0.14 0.00	39.68 -0.20 0.00	34.93 -0.18 0.00
TELGRAPH_34_KV_EAST 80808	34.88 0.88 0.00	30.67 0.98 0.00	29.41 0.77 0.00	27.99 0.41 0.00	28.34 0.64 0.00	29.21 0.66 0.00	32.97 -0.13 0.00	34.33 -0.70 0.00	32.50 -0.56 0.00	31.19 -0.19 0.00	31.95 0.13 0.00	33.93 0.30 0.00	36.24 0.18 0.00	39.29 0.47 0.00	43.08 0.72 0.00	45.30 0.98 0.00	49.66 0.93 0.00	53.44 0.84 0.00	57.68 0.12 0.00	57.75 0.57 0.00	53.35 0.16 0.00	46.86 1.01 0.00	40.84 0.96 0.00	36.51 1.40 0.00
TEMPLE___115KV_TB 2 55572	33.73 -0.27 0.00	29.45 -0.24 0.00	28.37 -0.26 0.00	27.30 -0.28 0.00	27.43 -0.28 0.00	28.27 -0.29 0.00	32.74 -0.36 0.00	34.61 -0.42 0.00	32.69 -0.36 0.00	31.09 -0.28 0.00	31.60 -0.22 0.00	33.46 -0.17 0.00	35.88 -0.18 0.00	38.70 -0.12 0.00	42.24 -0.13 0.00	44.23 -0.09 0.00	48.59 -0.15 0.00	52.39 -0.21 0.00	57.22 -0.35 0.00	56.95 -0.23 0.00	52.87 -0.32 0.00	45.76 -0.09 0.00	39.68 -0.20 0.00	34.93 -0.18 0.00
TIANA____69_KV_BK 1 55817	36.75 2.75 0.00	31.38 1.69 0.00	30.15 1.52 0.00	28.57 0.99 0.00	28.76 1.05 0.00	30.21 1.66 0.00	35.39 2.28 0.00	38.11 3.08 0.00	35.77 2.71 0.00	33.69 1.98 -0.34	34.13 2.00 -0.31	36.37 2.25 -0.48	39.14 2.27 -0.81	42.00 2.02 -1.16	44.72 1.10 -1.25	46.96 1.24 -1.39	51.48 1.07 -1.67	55.11 2.21 -0.30	61.88 4.32 0.00	59.86 2.69 0.00	55.69 2.50 0.00	47.31 1.05 -0.40	42.44 1.75 -0.81	36.93 1.76 -0.07



TILDEN___115KV_TB1 80814	33.83 -0.17 0.00	29.54 -0.15 0.00	28.43 -0.20 0.00	27.39 -0.19 0.00	27.51 -0.19 0.00	28.35 -0.20 0.00	32.84 -0.26 0.00	34.71 -0.32 0.00	32.79 -0.26 0.00	31.19 -0.19 0.00	31.66 -0.16 0.00	33.53 -0.10 0.00	35.96 -0.11 0.00	38.78 -0.04 0.00	42.36 0.00 0.00	44.37 0.04 0.00	48.69 -0.05 0.00	52.55 -0.05 0.00	57.45 -0.12 0.00	57.17 0.00 0.00	53.08 -0.11 0.00	45.89 0.05 0.00	39.84 -0.04 0.00	35.04 -0.07 0.00
TRIGEN___CC 323695	35.70 1.70 0.00	30.94 1.25 0.00	29.72 1.09 0.00	28.46 0.88 0.00	28.65 0.94 0.00	29.72 1.17 0.00	34.76 1.66 0.00	37.10 2.07 0.00	34.94 1.88 0.00	33.32 1.60 -0.34	33.91 1.78 -0.31	36.06 1.95 -0.48	38.96 2.09 -0.81	41.80 1.82 -1.16	44.80 1.19 -1.25	46.91 1.20 -1.39	51.58 1.17 -1.67	54.69 1.79 -0.30	60.10 2.53 0.00	58.89 1.72 0.00	54.84 1.65 0.00	47.31 1.05 -0.40	42.28 1.60 -0.81	36.69 1.51 -0.07
TRINITY___115KV__4 BK 55933	34.07 0.07 0.00	29.81 0.12 0.00	28.86 0.23 0.00	27.75 0.17 0.00	27.87 0.17 0.00	28.67 0.11 0.00	33.24 0.13 0.00	35.21 0.18 0.00	33.22 0.17 0.00	31.18 0.06 0.26	31.58 0.00 0.24	33.19 -0.07 0.37	35.37 -0.07 0.62	37.69 -0.23 0.90	41.10 -0.30 0.97	42.85 -0.40 1.08	47.15 -0.29 1.29	52.16 -0.21 0.23	57.45 -0.12 0.00	57.00 -0.17 0.00	53.19 0.00 0.00	45.26 -0.28 0.31	39.18 -0.08 0.62	34.88 -0.18 0.05
UNION___PROCESSING_DRP 323587	34.44 0.44 0.00	30.16 0.48 0.00	28.98 0.34 0.00	27.86 0.28 0.00	27.95 0.25 0.00	28.81 0.26 0.00	33.01 -0.10 0.00	34.71 -0.32 0.00	32.83 -0.23 0.00	31.41 0.03 0.00	32.07 0.25 0.00	34.03 0.40 0.00	36.42 0.36 0.00	39.40 0.58 0.00	43.17 0.80 0.00	45.34 1.02 0.00	49.76 1.02 0.00	53.65 1.05 0.00	58.08 0.52 0.00	57.92 0.74 0.00	53.72 0.53 0.00	46.81 0.96 0.00	40.72 0.84 0.00	36.09 0.98 0.00
UPPER HUDSON___HYD 24058	34.72 0.72 0.00	30.28 0.59 0.00	29.26 0.63 0.00	28.13 0.55 0.00	28.31 0.61 0.00	29.18 0.63 0.00	34.00 0.89 0.00	35.98 0.95 0.00	33.85 0.79 0.00	31.57 0.47 0.28	31.66 0.10 0.25	33.27 0.03 0.39	35.52 0.11 0.65	37.84 -0.04 0.94	41.22 -0.13 1.01	43.15 -0.04 1.13	47.68 0.29 1.35	52.94 0.58 0.24	58.95 1.38 0.00	58.77 1.60 0.00	55.00 1.81 0.00	46.67 1.15 0.33	40.11 0.88 0.65	35.83 0.77 0.06
UPPER RAQUET___HYD 24056	34.99 0.99 0.00	30.43 0.74 0.00	29.38 0.74 0.00	28.35 0.77 0.00	28.59 0.89 0.00	29.55 1.00 0.00	34.33 1.23 0.00	36.26 1.23 0.00	34.05 0.99 0.00	32.35 0.97 0.00	32.77 0.95 0.00	34.64 1.01 0.00	37.11 1.05 0.00	39.98 1.16 0.00	43.68 1.31 0.00	45.74 1.42 0.00	50.00 1.27 0.00	53.49 0.89 0.00	58.48 0.92 0.00	58.15 0.97 0.00	54.31 1.12 0.00	47.13 1.28 0.00	41.08 1.20 0.00	36.37 1.26 0.00
VALLEY44_115KV_TB2 355964	34.20 0.20 0.00	30.02 0.33 0.00	28.75 0.11 0.00	27.61 0.03 0.00	27.73 0.03 0.00	28.67 0.11 0.00	32.67 -0.43 0.00	34.05 -0.98 0.00	32.30 -0.76 0.00	31.09 -0.28 0.00	31.82 0.00 0.00	33.83 0.20 0.00	36.24 0.18 0.00	39.25 0.43 0.00	42.96 0.59 0.00	45.08 0.75 0.00	49.52 0.78 0.00	53.34 0.74 0.00	57.80 0.23 0.00	57.86 0.69 0.00	53.19 0.00 0.00	46.49 0.64 0.00	40.48 0.60 0.00	36.16 1.05 0.00
VALLEY___115KV_TB 1-4 80826	33.66 -0.34 0.00	29.36 -0.33 0.00	28.29 -0.34 0.00	27.25 -0.33 0.00	27.40 -0.30 0.00	28.27 -0.29 0.00	32.81 -0.30 0.00	34.82 -0.21 0.00	32.89 -0.17 0.00	31.25 -0.13 0.00	31.69 -0.13 0.00	33.53 -0.10 0.00	35.96 -0.11 0.00	38.74 -0.08 0.00	42.24 -0.13 0.00	44.19 -0.13 0.00	48.59 -0.15 0.00	52.39 -0.21 0.00	57.39 -0.17 0.00	56.89 -0.29 0.00	52.87 -0.32 0.00	45.53 -0.32 0.00	39.56 -0.32 0.00	34.83 -0.28 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	35.19 1.19 0.00	30.73 1.04 0.00	29.63 1.00 0.00	28.52 0.94 0.00	28.67 0.97 0.00	29.55 1.00 0.00	34.23 1.13 0.00	36.36 1.33 0.00	34.25 1.19 0.00	32.54 1.10 -0.06	32.99 1.11 -0.06	34.93 1.21 -0.09	37.51 1.30 -0.14	40.46 1.44 -0.21	44.07 1.48 -0.22	46.17 1.60 -0.25	50.74 1.71 -0.30	54.50 1.84 -0.05	59.75 2.19 0.00	59.40 2.23 0.00	55.26 2.07 0.00	47.66 1.74 -0.07	41.42 1.40 -0.14	36.32 1.19 -0.01
VISCHER___FERRY HYD 24020	34.72 0.72 0.00	30.31 0.62 0.00	29.29 0.66 0.00	28.16 0.58 0.00	28.34 0.64 0.00	29.15 0.60 0.00	33.87 0.76 0.00	35.84 0.81 0.00	33.78 0.73 0.00	31.50 0.50 0.38	31.89 0.41 0.35	33.49 0.41 0.54	35.60 0.43 0.90	37.87 0.35 1.30	41.30 0.34 1.40	43.12 0.35 1.56	47.45 0.59 1.87	53.05 0.79 0.34	58.66 1.09 0.00	58.26 1.08 0.00	54.36 1.17 0.00	46.13 0.73 0.45	39.54 0.56 0.90	35.56 0.53 0.08
V_A_10_SYNC_DSASP 323832	34.17 0.17 0.00	29.99 0.30 0.00	28.78 0.14 0.00	27.66 0.08 0.00	27.73 0.03 0.00	28.58 0.03 0.00	32.54 -0.56 0.00	33.98 -1.05 0.00	32.23 -0.83 0.00	30.91 -0.47 0.00	31.60 -0.22 0.00	33.53 -0.10 0.00	35.78 -0.29 0.00	38.74 -0.08 0.00	42.45 0.08 0.00	44.55 0.22 0.00	48.93 0.19 0.00	52.65 0.05 0.00	56.82 -0.75 0.00	56.77 -0.40 0.00	52.50 -0.69 0.00	46.03 0.18 0.00	40.20 0.32 0.00	35.88 0.77 0.00
V_CMM_10_SYNC_DSASP 323787	34.44 0.44 0.00	30.05 0.36 0.00	29.00 0.37 0.00	27.97 0.39 0.00	28.09 0.39 0.00	29.01 0.46 0.00	33.67 0.56 0.00	35.59 0.56 0.00	33.52 0.46 0.00	31.82 0.44 0.00	32.26 0.45 0.00	34.10 0.47 0.00	36.53 0.47 0.00	39.32 0.50 0.00	42.96 0.59 0.00	44.90 0.57 0.00	49.37 0.63 0.00	53.13 0.53 0.00	58.08 0.52 0.00	57.69 0.51 0.00	53.78 0.59 0.00	46.44 0.59 0.00	40.40 0.52 0.00	35.64 0.53 0.00
V_CMP_10_SYNC_DSASP 323788	35.36 1.36 0.00	30.82 1.13 0.00	29.75 1.12 0.00	28.74 1.16 0.00	28.90 1.19 0.00	29.84 1.29 0.00	34.66 1.56 0.00	36.68 1.65 0.00	34.55 1.49 0.00	32.82 1.44 0.00	33.28 1.46 0.00	35.14 1.51 0.00	37.69 1.62 0.00	40.64 1.82 0.00	44.40 2.03 0.00	46.45 2.13 0.00	51.08 2.34 0.00	54.86 2.26 0.00	60.04 2.47 0.00	59.58 2.40 0.00	55.53 2.34 0.00	48.05 2.20 0.00	41.72 1.84 0.00	36.76 1.65 0.00
V_D_10_SYNC_DSASP 323841	34.78 0.78 0.00	30.31 0.62 0.00	29.26 0.63 0.00	28.24 0.66 0.00	28.37 0.66 0.00	29.30 0.74 0.00	34.00 0.89 0.00	35.94 0.91 0.00	33.82 0.76 0.00	32.10 0.72 0.00	32.55 0.73 0.00	34.37 0.74 0.00	36.86 0.79 0.00	39.71 0.89 0.00	43.38 1.02 0.00	45.39 1.06 0.00	49.86 1.12 0.00	53.55 0.95 0.00	58.60 1.04 0.00	58.20 1.03 0.00	54.31 1.12 0.00	46.95 1.10 0.00	40.84 0.96 0.00	36.02 0.91 0.00
V_E_10_SYNC_DSASP 323830	36.28 2.28 0.00	31.65 1.96 0.00	30.41 1.78 0.00	29.23 1.65 0.00	29.39 1.69 0.00	30.38 1.83 0.00	35.19 2.09 0.00	37.27 2.24 0.00	34.87 1.82 0.00	32.94 1.57 0.00	33.35 1.53 0.00	35.41 1.78 0.00	37.83 1.77 0.00	40.99 2.17 0.00	44.56 2.20 0.00	46.98 2.66 0.00	51.56 2.83 0.00	55.81 3.21 0.00	61.71 4.15 0.00	61.75 4.58 0.00	57.34 4.15 0.00	49.47 3.62 0.00	42.60 2.71 0.00	37.25 2.14 0.00



V_F_30_NSYNC___DSASP 323816	35.06 1.06 0.00	30.58 0.89 0.00	29.55 0.92 0.00	28.41 0.83 0.00	28.59 0.89 0.00	29.44 0.89 0.00	34.23 1.13 0.00	36.22 1.19 0.00	34.08 1.03 0.00	31.81 0.72 0.29	32.13 0.57 0.27	33.75 0.54 0.41	35.99 0.61 0.69	38.41 0.58 0.99	41.88 0.59 1.07	43.83 0.71 1.20	48.33 1.03 1.44	53.66 1.32 0.26	59.35 1.79 0.00	59.06 1.88 0.00	55.21 2.02 0.00	46.92 1.42 0.35	40.35 1.16 0.69	36.07 1.02 0.06
V_F_30_SYNC_DSASP 323786	34.20 0.20 0.00	29.90 0.21 0.00	28.95 0.31 0.00	27.86 0.28 0.00	27.98 0.28 0.00	28.75 0.20 0.00	33.37 0.26 0.00	35.35 0.32 0.00	33.35 0.30 0.00	31.30 0.19 0.27	31.74 0.16 0.24	33.35 0.10 0.38	35.55 0.11 0.63	37.88 -0.04 0.90	41.30 -0.08 0.97	43.06 -0.18 1.08	47.39 -0.05 1.30	52.47 0.11 0.24	57.74 0.17 0.00	57.29 0.11 0.00	53.46 0.27 0.00	45.49 -0.05 0.31	39.34 0.08 0.63	35.02 -0.04 0.05
V_XM_10_SYNC_DSASP 323789	35.36 1.36 0.00	30.82 1.13 0.00	29.75 1.12 0.00	28.74 1.16 0.00	28.90 1.19 0.00	29.84 1.29 0.00	34.66 1.56 0.00	36.68 1.65 0.00	34.55 1.49 0.00	32.82 1.44 0.00	33.28 1.46 0.00	35.14 1.51 0.00	37.69 1.62 0.00	40.64 1.82 0.00	44.40 2.03 0.00	46.45 2.13 0.00	51.08 2.34 0.00	54.86 2.26 0.00	60.04 2.47 0.00	59.58 2.40 0.00	55.53 2.34 0.00	48.05 2.20 0.00	41.72 1.84 0.00	36.76 1.65 0.00
W.BABYLN_69_KV_BK1 56697	36.55 2.55 0.00	31.47 1.78 0.00	30.24 1.60 0.00	28.85 1.27 0.00	29.03 1.33 0.00	30.27 1.71 0.00	35.42 2.32 0.00	37.83 2.80 0.00	35.60 2.55 0.00	33.85 2.13 -0.34	34.42 2.29 -0.31	36.67 2.56 -0.48	39.54 2.67 -0.81	42.35 2.37 -1.16	45.10 1.48 -1.25	47.22 1.51 -1.39	51.83 1.41 -1.67	55.43 2.52 -0.30	61.25 3.68 0.00	59.75 2.57 0.00	55.69 2.50 0.00	47.77 1.51 -0.40	42.96 2.27 -0.81	37.36 2.18 -0.07
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	35.09 1.09 0.00	30.61 0.92 0.00	29.46 0.83 0.00	28.32 0.74 0.00	28.51 0.80 0.00	29.35 0.80 0.00	34.23 1.13 0.00	36.43 1.40 0.00	34.48 1.42 0.00	33.05 1.35 -0.32	33.51 1.40 -0.29	35.53 1.45 -0.45	38.48 1.66 -0.76	41.54 1.63 -1.09	45.19 1.65 -1.18	47.23 1.60 -1.31	52.02 1.71 -1.58	54.78 1.89 -0.28	59.64 2.07 0.00	58.95 1.77 0.00	54.89 1.70 0.00	47.56 1.33 -0.38	42.00 1.36 -0.76	36.23 1.05 -0.06
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	35.22 1.22 0.00	30.73 1.04 0.00	29.55 0.92 0.00	28.43 0.85 0.00	28.62 0.91 0.00	29.44 0.89 0.00	34.43 1.32 0.00	36.71 1.68 0.00	34.74 1.69 0.00	33.38 1.66 -0.34	33.78 1.65 -0.31	35.79 1.68 -0.48	38.82 1.95 -0.81	41.88 1.90 -1.16	45.56 1.95 -1.25	47.58 1.86 -1.39	52.36 1.95 -1.67	54.90 2.00 -0.30	59.64 2.07 0.00	58.95 1.77 0.00	54.79 1.60 0.00	47.67 1.42 -0.40	42.16 1.48 -0.80	36.34 1.16 -0.07
W50THST__13_KV_LOAD 356117	35.36 1.36 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.73 1.03 0.00	29.58 1.03 0.00	34.63 1.52 0.00	36.96 1.93 0.00	34.97 1.92 0.00	33.57 1.85 -0.34	34.01 1.88 -0.31	36.03 1.92 -0.48	39.03 2.16 -0.81	42.15 2.17 -1.16	45.86 2.25 -1.25	47.89 2.17 -1.39	52.70 2.29 -1.67	55.27 2.37 -0.30	59.98 2.42 0.00	59.29 2.12 0.00	55.05 1.86 0.00	47.95 1.70 -0.40	42.36 1.68 -0.80	36.51 1.33 -0.07
WADING RIVER_IC_1 23522	36.46 2.45 -0.01	31.03 1.34 0.00	29.81 1.17 0.00	28.24 0.66 0.00	28.42 0.72 0.00	29.87 1.31 0.00	35.09 1.99 0.00	37.90 2.87 0.00	35.47 2.41 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.89 1.78 -0.48	38.53 1.66 -0.81	41.34 1.36 -1.16	44.08 0.47 -1.25	46.29 0.57 -1.39	50.76 0.34 -1.67	54.27 1.37 -0.30	61.25 3.69 0.00	58.49 1.32 0.00	55.10 1.91 0.00	46.62 0.37 -0.40	41.13 0.44 -0.81	36.27 1.09 -0.07
WADING RIVER_IC_2 23547	36.46 2.45 -0.01	31.03 1.34 0.00	29.81 1.17 0.00	28.24 0.66 0.00	28.42 0.72 0.00	29.87 1.31 0.00	35.09 1.99 0.00	37.90 2.87 0.00	35.47 2.41 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.89 1.78 -0.48	38.53 1.66 -0.81	41.34 1.36 -1.16	44.08 0.47 -1.25	46.29 0.57 -1.39	50.76 0.34 -1.67	54.27 1.37 -0.30	61.25 3.69 0.00	58.49 1.32 0.00	55.10 1.91 0.00	46.62 0.37 -0.40	41.13 0.44 -0.81	36.27 1.09 -0.07
WADING RIVER_IC_3 23601	36.46 2.45 -0.01	31.03 1.34 0.00	29.81 1.17 0.00	28.24 0.66 0.00	28.42 0.72 0.00	29.87 1.31 0.00	35.09 1.99 0.00	37.90 2.87 0.00	35.47 2.41 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.89 1.78 -0.48	38.53 1.66 -0.81	41.34 1.36 -1.16	44.08 0.47 -1.25	46.29 0.57 -1.39	50.76 0.34 -1.67	54.27 1.37 -0.30	61.25 3.69 0.00	58.49 1.32 0.00	55.10 1.91 0.00	46.62 0.37 -0.40	41.13 0.44 -0.81	36.27 1.09 -0.07
WALDENNY_12_KV_BK2 80841	34.75 0.75 0.00	30.49 0.80 0.00	29.26 0.63 0.00	28.02 0.44 0.00	28.20 0.50 0.00	29.10 0.54 0.00	32.94 -0.17 0.00	34.26 -0.77 0.00	32.53 -0.53 0.00	31.31 -0.06 0.00	32.07 0.25 0.00	34.10 0.47 0.00	36.46 0.40 0.00	39.56 0.74 0.00	43.34 0.97 0.00	45.52 1.20 0.00	50.00 1.27 0.00	53.70 1.10 0.00	58.08 0.52 0.00	58.09 0.91 0.00	53.51 0.32 0.00	46.95 1.10 0.00	41.00 1.12 0.00	36.65 1.54 0.00
WALDEN___HYDRO 24148	34.92 0.92 0.00	30.46 0.77 0.00	29.35 0.72 0.00	28.24 0.66 0.00	28.40 0.69 0.00	29.21 0.66 0.00	34.06 0.96 0.00	36.19 1.16 0.00	34.18 1.12 0.00	32.68 1.04 -0.27	33.12 1.05 -0.25	35.02 1.01 -0.39	37.90 1.19 -0.64	40.87 1.13 -0.93	44.51 1.14 -1.00	46.55 1.11 -1.11	51.25 1.17 -1.34	54.21 1.37 -0.24	59.12 1.55 0.00	58.55 1.37 0.00	54.63 1.44 0.00	47.32 1.15 -0.32	41.64 1.12 -0.64	36.04 0.88 -0.05
WARRENSBURG____ 23737	34.71 0.71 0.00	30.28 0.59 0.00	29.26 0.63 0.00	28.13 0.55 0.00	28.31 0.61 0.00	29.21 0.66 0.00	34.00 0.89 0.00	35.98 0.95 0.00	33.85 0.79 0.00	31.57 0.47 0.28	31.66 0.10 0.25	33.27 0.03 0.39	35.52 0.11 0.65	37.84 -0.04 0.94	41.22 -0.13 1.01	43.15 -0.04 1.13	47.68 0.29 1.35	52.99 0.63 0.24	58.95 1.38 0.00	58.78 1.60 0.00	55.05 1.86 0.00	46.67 1.15 0.33	40.27 1.04 0.65	35.83 0.77 0.06
WATERSIDE___6 8 9 23538	35.36 1.36 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.57 0.99 0.00	28.73 1.03 0.00	29.47 0.91 0.00	34.40 1.29 0.00	36.64 1.61 0.00	34.68 1.62 0.00	33.38 1.66 -0.34	33.75 1.62 -0.31	35.69 1.58 -0.48	38.71 1.84 -0.81	41.80 1.82 -1.16	45.56 1.95 -1.25	47.45 1.73 -1.39	52.12 1.71 -1.67	54.32 1.42 -0.30	59.06 1.50 0.00	58.38 1.20 0.00	54.31 1.12 0.00	47.44 1.19 -0.40	42.24 1.56 -0.81	36.51 1.33 -0.07
WATKINRD_115KV_LN8_ILLION 55919	33.76 -0.24 0.00	29.45 -0.24 0.00	28.40 -0.23 0.00	27.36 -0.22 0.00	27.48 -0.22 0.00	28.33 -0.23 0.00	32.91 -0.20 0.00	34.85 -0.18 0.00	32.92 -0.13 0.00	31.25 -0.13 0.00	31.69 -0.13 0.00	33.53 -0.10 0.00	35.96 -0.11 0.00	38.70 -0.12 0.00	42.19 -0.17 0.00	44.19 -0.13 0.00	48.59 -0.15 0.00	52.44 -0.16 0.00	57.39 -0.17 0.00	56.95 -0.23 0.00	52.98 -0.21 0.00	45.62 -0.23 0.00	39.64 -0.24 0.00	34.86 -0.25 0.00



WDELAWARE___HYD 323627	34.78 0.78 0.00	30.34 0.65 0.00	29.23 0.60 0.00	28.13 0.55 0.00	28.29 0.58 0.00	29.10 0.54 0.00	33.90 0.79 0.00	36.01 0.98 0.00	34.02 0.96 0.00	32.48 0.88 -0.22	32.91 0.89 -0.20	34.82 0.87 -0.31	37.59 1.01 -0.52	40.58 1.01 -0.75	44.19 1.02 -0.81	46.29 1.06 -0.90	50.99 1.17 -1.09	54.16 1.37 -0.20	59.24 1.67 0.00	58.66 1.48 0.00	54.73 1.54 0.00	47.26 1.15 -0.26	41.36 0.96 -0.52	35.96 0.81 -0.04
WEST BABYLON___IC 23714	36.55 2.55 0.00	31.47 1.78 0.00	30.24 1.60 0.00	28.85 1.27 0.00	29.03 1.33 0.00	30.27 1.71 0.00	35.42 2.32 0.00	37.83 2.80 0.00	35.60 2.55 0.00	33.85 2.13 -0.34	34.42 2.29 -0.31	36.67 2.56 -0.48	39.54 2.67 -0.81	42.35 2.37 -1.16	45.10 1.48 -1.25	47.22 1.51 -1.39	51.83 1.41 -1.67	55.43 2.52 -0.30	61.25 3.68 0.00	59.75 2.57 0.00	55.69 2.50 0.00	47.77 1.51 -0.40	42.96 2.27 -0.81	37.36 2.18 -0.07
WEST CANADA___HYD 24049	33.97 -0.03 0.00	29.66 -0.03 0.00	28.60 -0.03 0.00	27.52 -0.06 0.00	27.68 -0.03 0.00	28.50 -0.06 0.00	33.04 -0.07 0.00	35.00 -0.03 0.00	33.02 -0.03 0.00	31.31 -0.06 0.00	31.76 -0.06 0.00	33.56 -0.07 0.00	35.99 -0.07 0.00	38.74 -0.08 0.00	42.28 -0.08 0.00	44.24 -0.09 0.00	48.64 -0.10 0.00	52.50 -0.10 0.00	57.51 -0.06 0.00	57.12 -0.06 0.00	53.14 -0.05 0.00	45.76 -0.09 0.00	39.80 -0.08 0.00	35.01 -0.11 0.00
WESTERN_NY_WIND 24143	35.50 1.50 0.00	31.11 1.43 0.00	29.84 1.20 0.00	28.46 0.88 0.00	28.79 1.08 0.00	29.67 1.11 0.00	33.63 0.53 0.00	35.14 0.11 0.00	33.16 0.10 0.00	31.78 0.41 0.00	32.52 0.70 0.00	34.54 0.91 0.00	36.93 0.87 0.00	40.06 1.24 0.00	43.93 1.57 0.00	46.27 1.95 0.00	50.39 1.66 0.00	54.34 1.74 0.00	58.72 1.15 0.00	58.83 1.66 0.00	54.41 1.22 0.00	47.73 1.88 0.00	41.52 1.64 0.00	37.01 1.90 0.00
WESTOVER___LESR 323668	34.37 0.37 0.00	30.05 0.36 0.00	28.92 0.29 0.00	27.80 0.22 0.00	27.95 0.25 0.00	28.81 0.26 0.00	33.27 0.17 0.00	35.07 0.04 0.00	33.16 0.10 0.00	31.59 0.16 -0.05	32.12 0.25 -0.05	34.04 0.34 -0.08	36.55 0.36 -0.13	39.47 0.47 -0.18	43.07 0.51 -0.19	45.12 0.58 -0.22	49.58 0.58 -0.26	53.33 0.68 -0.05	58.20 0.63 0.00	57.97 0.80 0.00	53.72 0.53 0.00	46.55 0.64 -0.06	40.53 0.52 -0.13	35.68 0.56 -0.01
WETHRSFD_WT_PWR 323626	34.37 0.37 0.00	30.19 0.50 0.00	28.98 0.34 0.00	27.80 0.22 0.00	27.90 0.20 0.00	28.78 0.23 0.00	32.74 -0.36 0.00	34.01 -1.02 0.00	32.17 -0.89 0.00	30.81 -0.56 0.00	31.53 -0.29 0.00	33.50 -0.13 0.00	35.85 -0.22 0.00	38.90 0.08 0.00	42.53 0.17 0.00	44.72 0.40 0.00	48.98 0.24 0.00	52.97 0.37 0.00	57.51 -0.06 0.00	57.69 0.51 0.00	53.24 0.05 0.00	46.54 0.69 0.00	41.28 1.40 0.00	36.23 1.12 0.00
WHAVSTOR_138KV_BK127 55557	34.92 0.92 0.00	30.46 0.77 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.37 0.66 0.00	29.21 0.66 0.00	34.06 0.96 0.00	36.26 1.23 0.00	34.31 1.26 0.00	32.89 1.19 -0.32	33.32 1.21 -0.29	35.33 1.24 -0.46	38.27 1.44 -0.76	41.31 1.40 -1.09	44.94 1.40 -1.18	46.97 1.33 -1.32	51.68 1.36 -1.58	54.41 1.53 -0.29	59.24 1.67 0.00	58.55 1.37 0.00	54.47 1.28 0.00	47.28 1.05 -0.38	41.72 1.08 -0.76	36.02 0.84 -0.06
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	34.92 0.92 0.00	30.46 0.77 0.00	29.32 0.69 0.00	28.21 0.63 0.00	28.37 0.66 0.00	29.21 0.66 0.00	34.06 0.96 0.00	36.26 1.23 0.00	34.31 1.26 0.00	32.89 1.19 -0.32	33.32 1.21 -0.29	35.33 1.24 -0.46	38.27 1.44 -0.76	41.31 1.40 -1.09	44.94 1.40 -1.18	46.97 1.33 -1.32	51.68 1.36 -1.58	54.41 1.53 -0.29	59.24 1.67 0.00	58.55 1.37 0.00	54.47 1.28 0.00	47.28 1.05 -0.38	41.72 1.08 -0.76	36.02 0.84 -0.06
WHITEHAL_115KV_TB1 80871	34.61 0.61 0.00	30.19 0.50 0.00	29.18 0.54 0.00	28.02 0.44 0.00	28.23 0.53 0.00	29.15 0.60 0.00	33.93 0.83 0.00	35.91 0.88 0.00	33.72 0.66 0.00	31.38 0.28 0.28	31.50 -0.06 0.26	33.03 -0.20 0.40	35.29 -0.11 0.67	37.59 -0.27 0.96	40.94 -0.38 1.04	42.90 -0.27 1.15	47.50 0.15 1.39	52.93 0.58 0.25	58.89 1.32 0.00	58.89 1.72 0.00	55.26 2.07 0.00	46.75 1.24 0.34	40.25 1.04 0.67	35.79 0.74 0.06
WHITEPLN_13_KV_LOAD 356215	35.36 1.36 0.00	30.82 1.13 0.00	29.66 1.03 0.00	28.52 0.94 0.00	28.70 1.00 0.00	29.55 1.00 0.00	34.50 1.39 0.00	36.75 1.72 0.00	34.78 1.72 0.00	33.44 1.73 -0.34	33.88 1.75 -0.31	35.93 1.82 -0.48	38.92 2.06 -0.80	42.03 2.06 -1.16	45.73 2.12 -1.25	47.80 2.08 -1.39	52.65 2.24 -1.67	55.32 2.42 -0.30	60.16 2.59 0.00	59.40 2.23 0.00	55.32 2.13 0.00	47.95 1.70 -0.40	42.32 1.64 -0.80	36.44 1.26 -0.07
WM_FLOYD_69_KV_BK2 356380	36.52 2.52 0.00	31.23 1.54 0.00	30.01 1.37 0.00	28.49 0.91 0.00	28.67 0.97 0.00	30.07 1.51 0.00	35.22 2.12 0.00	37.90 2.87 0.00	35.57 2.51 0.00	33.57 1.85 -0.34	34.01 1.88 -0.31	36.20 2.09 -0.48	38.93 2.06 -0.81	41.77 1.79 -1.16	44.42 0.80 -1.25	46.65 0.93 -1.39	51.14 0.73 -1.67	54.74 1.84 -0.30	61.31 3.74 0.00	59.46 2.29 0.00	55.37 2.18 0.00	47.17 0.92 -0.40	42.36 1.68 -0.81	36.79 1.62 -0.07
WOODARD___115KV_TB2 355635	33.63 -0.37 0.00	29.39 -0.30 0.00	28.32 -0.31 0.00	27.25 -0.33 0.00	27.37 -0.33 0.00	28.21 -0.34 0.00	32.67 -0.43 0.00	34.54 -0.49 0.00	32.63 -0.43 0.00	31.03 -0.35 0.00	31.53 -0.29 0.00	33.36 -0.27 0.00	35.78 -0.29 0.00	38.59 -0.23 0.00	42.15 -0.21 0.00	44.10 -0.22 0.00	48.45 -0.29 0.00	52.28 -0.32 0.00	57.11 -0.46 0.00	56.83 -0.34 0.00	52.76 -0.43 0.00	45.62 -0.23 0.00	39.60 -0.28 0.00	34.86 -0.25 0.00
WOODMERE_69_KV_BK1 55827	36.14 2.14 0.00	31.29 1.60 0.00	30.06 1.43 0.00	28.77 1.19 0.00	28.92 1.22 0.00	30.07 1.51 0.00	35.12 2.02 0.00	37.48 2.45 0.00	35.24 2.18 0.00	33.63 1.91 -0.34	34.26 2.13 -0.31	36.47 2.35 -0.48	39.39 2.52 -0.81	42.31 2.33 -1.16	45.31 1.69 -1.25	47.53 1.82 -1.39	52.22 1.80 -1.67	55.48 2.58 -0.30	61.02 3.45 0.00	59.75 2.57 0.00	55.64 2.45 0.00	47.99 1.74 -0.40	42.88 2.19 -0.81	37.21 2.04 -0.07
YORK___WARBASSE 23770	35.43 1.43 0.00	30.85 1.16 0.00	29.69 1.06 0.00	28.55 0.97 0.00	28.70 1.00 0.00	29.41 0.86 0.00	34.36 1.26 0.00	36.57 1.54 0.00	34.61 1.55 0.00	33.35 1.63 -0.34	33.72 1.59 -0.31	35.66 1.55 -0.48	38.74 1.88 -0.81	41.84 1.86 -1.16	45.65 2.03 -1.25	47.45 1.73 -1.39	52.07 1.66 -1.67	54.32 1.42 -0.30	59.12 1.55 0.00	58.49 1.32 0.00	54.41 1.22 0.00	47.49 1.24 -0.40	42.36 1.68 -0.81	36.58 1.40 -0.07