

# Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses														--- Marginal Cost of Congestion										10/15/2025	
Name	PTID	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		
59TH STREET_GT_1	24138	37.50	35.26	34.77	33.60	34.82	36.61	46.12	55.97	50.88	40.85	39.92	38.78	38.32	38.75	38.05	39.61	44.34	57.84	73.65	73.25	54.36	44.92	40.38	36.68		
		1.82	1.71	1.56	1.51	1.60	1.84	2.90	3.86	3.28	3.06	3.13	3.14	3.09	2.84	2.75	2.80	3.02	3.38	4.04	3.88	2.78	2.26	2.00	1.87		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.06	-0.01	-0.06	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.10		
74TH STREET_GT_1	24260	37.64	35.40	34.87	33.70	34.92	36.71	46.20	56.02	50.98	40.93	40.00	38.86	38.42	38.83	38.16	39.69	44.43	57.95	73.72	73.39	54.46	44.96	40.46	36.75		
		1.96	1.85	1.66	1.60	1.69	1.95	2.98	3.91	3.38	3.14	3.20	3.21	3.16	2.91	2.82	2.87	3.10	3.49	4.11	4.02	2.89	2.30	2.07	1.94		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.02	-0.09	-0.02	-0.09	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.10		
74TH STREET_GT_2	24261	37.64	35.40	34.87	33.70	34.92	36.71	46.20	56.02	50.98	40.93	40.00	38.86	38.42	38.83	38.16	39.69	44.43	57.95	73.72	73.39	54.46	44.96	40.46	36.75		
		1.96	1.85	1.66	1.60	1.69	1.95	2.98	3.91	3.38	3.14	3.20	3.21	3.16	2.91	2.82	2.87	3.10	3.49	4.11	4.02	2.89	2.30	2.07	1.94		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.02	-0.09	-0.02	-0.09	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.10		
ADK HUDSON___FALLS	24011	36.61	34.42	34.07	32.99	34.16	35.71	44.99	54.25	49.12	38.85	37.56	36.42	35.83	36.37	35.57	37.43	42.10	56.04	71.98	71.65	53.22	43.90	39.27	35.39		
		0.93	0.87	0.86	0.90	0.93	0.94	1.77	2.14	1.52	1.06	0.77	0.78	0.67	0.47	0.32	0.63	0.78	1.58	2.37	2.29	1.65	1.24	0.88	0.73		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04		
ADK RESOURCE___RCVRY	23798	36.64	34.46	34.11	33.05	34.23	35.74	44.99	54.35	49.22	38.84	37.48	36.38	35.80	36.30	35.50	37.39	42.06	56.10	72.05	71.79	53.33	43.98	39.31	35.36		
		0.96	0.91	0.90	0.96	1.00	0.97	1.77	2.24	1.62	1.06	0.70	0.75	0.63	0.40	0.25	0.59	0.74	1.63	2.44	2.43	1.75	1.32	0.92	0.69		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04		
ADK S GLENS___FALLS	24028	36.61	34.42	34.07	32.99	34.16	35.71	44.99	54.25	49.12	38.85	37.56	36.42	35.83	36.37	35.57	37.43	42.10	56.04	71.98	71.65	53.22	43.90	39.27	35.39		
		0.93	0.87	0.86	0.90	0.93	0.94	1.77	2.14	1.52	1.06	0.77	0.78	0.67	0.47	0.32	0.63	0.78	1.58	2.37	2.29	1.65	1.24	0.88	0.73		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04		
ADK_NYS___DAM	23527	36.82	34.56	34.17	33.02	34.23	35.91	45.29	54.98	49.60	39.71	38.55	37.49	36.92	37.44	36.76	38.50	43.26	57.08	72.75	72.07	53.74	44.37	39.65	35.51		
		1.14	1.01	0.96	0.93	1.00	1.15	2.07	2.86	2.00	1.93	1.77	1.85	1.76	1.54	1.51	1.69	1.94	2.61	3.14	2.70	2.17	1.71	1.26	0.90		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09		
AIR_PRODUCTS___DRP	24190	35.68	33.58	33.31	32.16	33.33	34.77	43.65	52.84	48.03	38.32	37.30	36.13	35.69	36.15	35.53	37.10	41.60	54.90	70.03	69.64	51.83	42.83	38.35	34.77		
		0.00	0.03	0.10	0.06	0.10	0.00	0.43	0.73	0.43	0.53	0.52	0.50	0.53	0.25	0.28	0.29	0.29	0.44	0.42	0.28	0.26	0.17	-0.04	0.10		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04		
AKWESSNE_115KV_BK	355683	35.96	33.85	33.48	32.32	33.46	35.05	42.92	51.54	47.26	37.52	36.49	35.35	34.85	35.90	35.39	37.02	41.60	55.01	70.31	70.06	51.98	43.09	38.69	34.98		
		0.29	0.30	0.27	0.22	0.23	0.28	-0.30	-0.57	-0.33	-0.26	-0.29	-0.29	-0.32	0.00	0.14	0.22	0.29	0.54	0.70	0.69	0.41	0.43	0.31	0.28		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	323833	36.46	34.32	34.01	32.86	34.03	35.64	44.69	53.98	48.93	38.73	37.56	36.42	35.87	36.40	35.71	37.43	42.02	55.72	71.22	70.89	52.81	43.64	39.12	35.31		
		0.78	0.77	0.80	0.77	0.80	0.87	1.47	1.87	1.33	0.95	0.77	0.78	0.70	0.50	0.46	0.63	0.70	1.25	1.60	1.52	1.24	0.98	0.73	0.63		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02		
ALBANY_2_SOLAR	323834	36.46	34.32	34.01	32.86	34.03	35.60	44.69	53.98	48.93	38.73	37.52	36.42	35.87	36.40	35.71	37.39	42.02	55.72	71.22	70.89	52.76	43.60	39.12	35.31		
		0.78	0.77	0.80	0.77	0.80	0.83	1.47	1.87	1.33	0.95	0.74	0.78	0.70	0.50	0.46	0.59	0.70	1.25	1.60	1.52	1.19	0.94	0.73	0.63		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02		
ALBANY___1	23571	35.68	33.58	33.31	32.16	33.33	34.77	43.65	52.84	48.03	38.32	37.30	36.13	35.69	36.15	35.53	37.10	41.60	54.90	70.03	69.64	51.83	42.83	38.35	34.77		
		0.00	0.03	0.10	0.06	0.10	0.00	0.43	0.73	0.43	0.53	0.52	0.50	0.53	0.25	0.28	0.29	0.29	0.44	0.42	0.28	0.26	0.17	-0.04	0.10		
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		



ALBANY___2 23572	35.68 0.00 0.00	33.58 0.03 0.00	33.31 0.10 0.00	32.16 0.06 0.00	33.33 0.10 0.00	34.77 0.00 0.00	43.65 0.43 0.00	52.84 0.73 0.00	48.03 0.43 0.00	38.32 0.53 0.00	37.30 0.52 0.00	36.13 0.50 0.00	35.69 0.53 0.00	36.15 0.25 0.00	35.53 0.28 0.00	37.10 0.29 0.00	41.60 0.29 0.00	54.90 0.44 0.00	70.03 0.42 0.00	69.64 0.28 0.00	51.83 0.26 0.00	42.83 0.17 0.00	38.35 -0.04 0.00	34.77 0.10 0.04
ALBANY___3 23573	35.68 0.00 0.00	33.58 0.03 0.00	33.31 0.10 0.00	32.16 0.06 0.00	33.33 0.10 0.00	34.77 0.00 0.00	43.65 0.43 0.00	52.84 0.73 0.00	48.03 0.43 0.00	38.32 0.53 0.00	37.30 0.52 0.00	36.13 0.50 0.00	35.69 0.53 0.00	36.15 0.25 0.00	35.53 0.28 0.00	37.10 0.29 0.00	41.60 0.29 0.00	54.90 0.44 0.00	70.03 0.42 0.00	69.64 0.28 0.00	51.83 0.26 0.00	42.83 0.17 0.00	38.35 -0.04 0.00	34.77 0.10 0.04
ALBANY___4 23574	35.68 0.00 0.00	33.58 0.03 0.00	33.31 0.10 0.00	32.16 0.06 0.00	33.33 0.10 0.00	34.77 0.00 0.00	43.65 0.43 0.00	52.84 0.73 0.00	48.03 0.43 0.00	38.32 0.53 0.00	37.30 0.52 0.00	36.13 0.50 0.00	35.69 0.53 0.00	36.15 0.25 0.00	35.53 0.28 0.00	37.10 0.29 0.00	41.60 0.29 0.00	54.90 0.44 0.00	70.03 0.42 0.00	69.64 0.28 0.00	51.83 0.26 0.00	42.83 0.17 0.00	38.35 -0.04 0.00	34.77 0.10 0.04
ALBANY___LFGE 323615	36.04 0.36 0.00	33.92 0.37 0.00	33.61 0.40 0.00	32.41 0.32 0.00	33.53 0.30 0.00	34.94 0.17 0.00	43.87 0.65 0.00	53.15 1.04 0.00	48.31 0.72 0.00	38.54 0.76 0.00	37.52 0.74 0.00	36.42 0.78 0.00	35.94 0.77 0.00	36.40 0.50 0.00	35.74 0.49 0.00	37.36 0.55 0.00	41.89 0.58 0.00	55.33 0.87 0.00	70.59 0.97 0.00	70.20 0.84 0.00	52.24 0.67 0.00	43.17 0.51 0.00	38.66 0.27 0.00	34.91 0.24 0.04
ALCOA_PA_115KV_PL-6C 55860	36.14 0.46 0.00	34.02 0.47 0.00	33.61 0.40 0.00	32.44 0.35 0.00	33.60 0.37 0.00	35.22 0.45 0.00	43.09 -0.13 0.00	51.75 -0.36 0.00	47.45 -0.14 0.00	37.64 -0.15 0.00	36.64 -0.15 0.00	35.49 -0.14 0.00	34.99 -0.18 0.00	35.97 0.07 0.00	35.46 0.21 0.00	37.14 0.33 0.00	41.77 0.45 0.00	55.23 0.76 0.00	70.59 0.97 0.00	70.41 1.04 0.00	52.24 0.67 0.00	43.30 0.64 0.00	38.89 0.50 0.00	35.12 0.42 0.00
ALCOA_RYNLDS___DRP 24188	36.14 0.46 0.00	34.02 0.47 0.00	33.61 0.40 0.00	32.44 0.35 0.00	33.60 0.37 0.00	35.22 0.45 0.00	43.09 -0.13 0.00	51.75 -0.36 0.00	47.45 -0.14 0.00	37.64 -0.15 0.00	36.64 -0.15 0.00	35.49 -0.14 0.00	34.99 -0.18 0.00	35.97 0.07 0.00	35.46 0.21 0.00	37.14 0.33 0.00	41.77 0.45 0.00	55.23 0.76 0.00	70.59 0.97 0.00	70.41 1.04 0.00	52.24 0.67 0.00	43.30 0.64 0.00	38.89 0.50 0.00	35.12 0.42 0.00
ALCOA___DSASP 323711	36.14 0.46 0.00	34.02 0.47 0.00	33.61 0.40 0.00	32.45 0.35 0.00	33.60 0.37 0.00	35.19 0.42 0.00	43.09 -0.13 0.00	51.75 -0.36 0.00	47.45 -0.14 0.00	37.64 -0.15 0.00	36.64 -0.15 0.00	35.49 -0.14 0.00	34.99 -0.17 0.00	36.01 0.11 0.00	35.46 0.21 0.00	37.13 0.33 0.00	41.77 0.46 0.00	55.23 0.76 0.00	70.66 1.05 0.00	70.62 1.25 0.00	52.24 0.67 0.00	43.30 0.64 0.00	38.89 0.50 0.00	35.12 0.42 0.00
ALLEGHENY___COGEN 23514	37.03 1.36 0.00	34.86 1.31 0.00	34.34 1.13 0.00	33.28 1.19 0.00	34.36 1.13 0.00	36.47 1.70 0.00	46.20 2.98 0.00	58.51 2.66 -3.74	53.94 2.76 -3.58	42.14 1.51 -2.84	40.76 1.21 -2.77	36.49 0.85 0.00	35.91 0.74 0.00	36.33 0.43 0.00	35.50 0.25 0.00	36.91 0.11 0.00	40.08 -1.24 0.00	52.94 -1.52 0.00	69.13 -0.48 0.00	69.30 -0.07 0.00	51.57 0.00 0.00	42.62 -0.04 0.00	40.19 1.80 0.00	36.72 2.01 0.00
ALTAMONT_115KV_TB 2 55880	36.07 0.39 0.00	33.95 0.40 0.00	33.64 0.43 0.00	32.51 0.42 0.00	33.66 0.43 0.00	35.18 0.42 0.00	44.13 0.91 0.00	53.36 1.25 0.00	48.50 0.90 0.00	38.66 0.87 0.00	37.63 0.85 0.00	36.49 0.86 0.00	36.01 0.84 0.00	36.55 0.65 0.00	35.88 0.63 0.00	37.47 0.66 0.00	42.02 0.70 0.00	55.33 0.87 0.00	70.59 0.97 0.00	70.27 0.90 0.00	52.29 0.72 0.00	43.26 0.60 0.00	38.81 0.42 0.00	35.10 0.42 0.02
ALTONA_WT_PWR 323606	35.68 0.00 0.00	33.69 0.13 0.00	33.38 0.17 0.00	32.32 0.23 0.00	33.53 0.30 0.00	35.22 0.45 0.00	43.26 0.04 0.00	51.38 -0.73 0.00	47.17 -0.43 0.00	37.79 0.00 0.00	36.68 -0.11 0.00	35.49 -0.14 0.00	34.85 -0.32 0.00	35.72 -0.18 0.00	35.18 -0.07 0.00	36.80 0.00 0.00	41.44 0.12 0.00	54.63 0.16 0.00	70.17 0.55 0.00	70.13 0.76 0.00	51.78 0.21 0.00	43.26 0.60 0.00	38.81 0.42 0.00	35.09 0.38 0.00
AMERICAN_REF_FUEL 24010	35.25 -0.43 0.00	33.21 -0.34 0.00	32.81 -0.40 0.00	31.80 -0.29 0.00	32.80 -0.43 0.00	34.70 -0.07 0.00	43.56 0.34 0.00	55.03 -1.56 -4.48	51.61 -0.28 -4.29	41.00 -0.19 -3.40	40.25 0.15 -3.31	35.42 -0.21 0.00	34.99 -0.17 0.00	35.26 -0.65 0.00	34.37 -0.88 0.00	35.44 -1.36 0.00	39.21 -2.11 0.00	50.10 -4.36 0.00	65.02 -4.60 0.00	65.00 -4.37 0.00	48.73 -2.84 0.00	40.61 -2.05 0.00	37.85 -0.54 0.00	35.02 0.31 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	36.18 0.50 0.00	34.02 0.47 0.00	33.64 0.43 0.00	32.64 0.55 0.00	33.66 0.43 0.00	35.81 1.04 0.00	45.25 2.03 0.00	57.24 1.30 -3.82	53.26 2.00 -3.67	42.09 1.40 -2.90	41.34 1.73 -2.83	36.70 1.07 0.00	36.26 1.09 0.00	36.47 0.57 0.00	35.39 0.14 0.00	36.47 -0.33 0.00	40.57 -0.74 0.00	52.34 -2.12 0.00	68.37 -1.25 0.00	68.46 -0.90 0.00	50.90 -0.67 0.00	42.23 -0.43 0.00	39.00 0.61 0.00	35.82 1.11 0.00
ARTHUR KILL_GT_1 23520	37.71 2.03 0.00	35.57 2.01 -0.01	35.08 1.86 -0.01	33.90 1.80 -0.01	35.13 1.89 -0.01	36.85 2.09 0.00	45.47 2.25 0.00	55.13 3.02 0.00	49.98 2.38 0.00	40.18 2.38 -0.01	39.41 2.61 -0.02	38.39 2.74 -0.02	37.72 2.46 -0.09	38.36 2.44 -0.02	37.49 2.15 -0.09	39.21 2.39 -0.02	43.81 2.48 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.35 2.98 0.00	53.63 2.06 0.00	44.37 1.71 0.00	40.15 1.77 0.00	36.90 2.08 -0.11
ARTHUR_KILL_2 23512	37.60 1.93 0.00	35.47 1.91 -0.01	34.98 1.76 -0.01	33.83 1.73 -0.01	35.06 1.83 -0.01	36.47 1.70 0.00	45.17 1.95 0.00	54.72 2.60 0.00	49.83 2.24 0.00	40.09 2.31 0.00	39.23 2.43 -0.02	38.25 2.60 -0.02	37.64 2.39 -0.08	38.25 2.33 -0.02	37.41 2.08 -0.08	39.18 2.36 -0.02	43.73 2.40 -0.02	57.24 2.78 0.00	72.33 2.71 0.00	72.07 2.70 0.00	53.48 1.91 0.00	44.28 1.62 0.00	40.07 1.69 0.00	36.62 1.80 -0.11
ARTHUR_KILL_3 23513	37.21 1.53 0.00	34.99 1.44 0.00	34.50 1.29 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.26 1.49 0.00	45.60 2.38 0.00	55.45 3.34 0.00	50.45 2.86 0.00	40.52 2.72 -0.01	39.56 2.76 -0.01	38.53 2.89 -0.01	38.09 2.85 -0.07	38.43 2.51 -0.01	37.83 2.50 -0.07	39.32 2.50 -0.01	44.01 2.68 -0.01	57.51 3.05 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.89 2.32 0.00	44.53 1.87 0.00	40.07 1.69 0.00	36.23 1.42 -0.10



ARTHUR_KILL_COGEN 323718	37.71 2.03 0.00	35.54 1.98 -0.01	35.08 1.86 -0.01	33.90 1.80 -0.01	35.13 1.89 -0.01	36.57 1.81 0.00	45.29 2.07 0.00	54.87 2.76 0.00	49.98 2.38 0.00	40.21 2.42 0.00	39.31 2.50 -0.02	38.36 2.71 -0.02	37.74 2.50 -0.08	38.36 2.44 -0.02	37.52 2.19 -0.08	39.29 2.47 -0.02	43.85 2.52 -0.02	57.40 2.94 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.64 2.06 0.00	44.41 1.75 0.00	40.15 1.77 0.00	36.69 1.87 -0.11
ASHOKAN____ 23654	36.71 1.04 0.00	34.52 0.97 0.00	34.07 0.86 0.00	32.96 0.87 0.00	34.16 0.93 0.00	35.78 1.01 0.00	45.08 1.86 0.00	54.72 2.60 0.00	49.45 1.85 0.00	38.88 1.10 0.00	37.63 0.85 0.00	36.60 0.96 0.00	36.01 0.84 0.00	36.47 0.57 0.00	35.92 0.67 0.00	37.58 0.77 0.00	42.47 1.16 0.00	56.26 1.79 0.00	71.99 2.37 0.00	71.86 2.49 0.00	53.27 1.70 0.00	43.90 1.24 0.00	39.35 0.96 0.00	35.59 0.87 -0.01
ASTORIA_EAST_ENERGY_CC1 323581	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.59 -0.01	36.47 1.70 0.00	45.42 2.20 0.00	55.03 2.92 0.00	50.60 3.00 0.00	40.63 2.84 -0.01	39.63 2.83 -0.01	38.64 2.99 -0.01	38.16 2.92 -0.08	38.57 2.66 -0.01	37.94 2.61 -0.08	39.50 2.69 -0.01	44.09 2.77 -0.01	57.78 3.32 0.01	72.60 2.99 0.01	72.27 2.91 0.01	53.63 2.06 0.01	44.49 1.83 0.00	40.23 1.84 0.00	36.48 1.67 -0.11
ASTORIA_EAST_ENERGY_CC2 323582	37.64 1.96 0.00	35.24 1.68 -0.01	34.75 1.53 -0.01	33.58 1.48 -0.01	34.80 1.56 -0.01	36.44 1.67 0.00	45.38 2.16 0.00	54.98 2.86 0.00	50.55 2.95 0.00	40.59 2.80 -0.01	39.63 2.83 -0.01	38.64 2.99 -0.01	38.16 2.92 -0.08	38.53 2.62 -0.01	37.90 2.57 -0.08	39.46 2.65 -0.01	44.09 2.77 -0.01	57.72 3.27 0.01	72.53 2.92 0.01	72.20 2.85 0.01	53.63 2.06 0.01	44.45 1.79 0.00	40.19 1.80 0.00	36.48 1.67 -0.11
ASTORIA_GT2_1 24094	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT2_2 24095	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT2_3 24096	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT2_4 24097	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT3_1 24098	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT3_2 24099	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT3_3 24100	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT3_4 24101	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT4_1 24102	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT4_2 24103	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT4_3 24104	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11



ASTORIA_GT4_4 24105	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.60 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.63 2.06 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.55 1.74 -0.11
ASTORIA_GT_1 23523	37.71 2.03 0.00	35.30 1.74 -0.01	34.81 1.59 -0.01	33.64 1.54 -0.01	34.87 1.63 -0.01	36.64 1.88 0.00	45.73 2.51 0.00	56.02 3.91 0.00	50.79 3.19 0.00	40.71 2.91 -0.01	39.78 2.98 -0.02	38.72 3.06 -0.02	38.20 2.95 -0.08	38.65 2.73 -0.02	37.97 2.64 -0.08	39.54 2.72 -0.02	44.14 2.81 -0.02	57.24 2.78 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.74 2.17 0.00	44.49 1.83 0.00	40.27 1.88 0.00	36.62 1.80 -0.11
ASTORIA_GT_10 24110	37.57 1.89 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.68 1.91 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.50 2.90 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.61 2.96 -0.02	38.10 2.85 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.43 2.61 -0.02	44.06 2.73 -0.02	57.35 2.89 0.00	72.96 3.34 0.00	72.56 3.19 0.00	53.84 2.27 0.00	44.58 1.92 0.00	40.27 1.88 0.00	36.72 1.91 -0.11
ASTORIA_GT_11 24225	37.57 1.89 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.68 1.91 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.50 2.90 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.61 2.96 -0.02	38.10 2.85 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.43 2.61 -0.02	44.06 2.73 -0.02	57.35 2.89 0.00	72.96 3.34 0.00	72.56 3.19 0.00	53.84 2.27 0.00	44.58 1.92 0.00	40.27 1.88 0.00	36.72 1.91 -0.11
ASTORIA_GT_12 24226	37.57 1.89 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.68 1.91 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.50 2.90 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.61 2.96 -0.02	38.10 2.85 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.43 2.61 -0.02	44.06 2.73 -0.02	57.35 2.89 0.00	72.96 3.34 0.00	72.56 3.19 0.00	53.84 2.27 0.00	44.58 1.92 0.00	40.27 1.88 0.00	36.72 1.91 -0.11
ASTORIA_GT_13 24227	37.57 1.89 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.68 1.91 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.50 2.90 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.61 2.96 -0.02	38.10 2.85 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.43 2.61 -0.02	44.06 2.73 -0.02	57.35 2.89 0.00	72.96 3.34 0.00	72.56 3.19 0.00	53.84 2.27 0.00	44.58 1.92 0.00	40.27 1.88 0.00	36.72 1.91 -0.11
ASTORIA_GT_5 24106	37.71 2.03 0.00	35.30 1.74 -0.01	34.81 1.59 -0.01	33.64 1.54 -0.01	34.87 1.63 -0.01	36.64 1.88 0.00	45.73 2.51 0.00	56.02 3.91 0.00	50.79 3.19 0.00	40.71 2.91 -0.01	39.78 2.98 -0.02	38.72 3.06 -0.02	38.20 2.95 -0.08	38.65 2.73 -0.02	37.97 2.64 -0.08	39.54 2.72 -0.02	44.14 2.81 -0.02	57.24 2.78 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.74 2.17 0.00	44.49 1.83 0.00	40.27 1.88 0.00	36.62 1.80 -0.11
ASTORIA_GT_7 24107	37.71 2.03 0.00	35.30 1.74 -0.01	34.81 1.59 -0.01	33.64 1.54 -0.01	34.87 1.63 -0.01	36.64 1.88 0.00	45.73 2.51 0.00	56.02 3.91 0.00	50.79 3.19 0.00	40.71 2.91 -0.01	39.78 2.98 -0.02	38.72 3.06 -0.02	38.20 2.95 -0.08	38.65 2.73 -0.02	37.97 2.64 -0.08	39.54 2.72 -0.02	44.14 2.81 -0.02	57.24 2.78 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.74 2.17 0.00	44.49 1.83 0.00	40.27 1.88 0.00	36.62 1.80 -0.11
ASTORIA_GT_8 24108	37.71 2.03 0.00	35.30 1.74 -0.01	34.81 1.59 -0.01	33.64 1.54 -0.01	34.87 1.63 -0.01	36.64 1.88 0.00	45.73 2.51 0.00	56.02 3.91 0.00	50.79 3.19 0.00	40.71 2.91 -0.01	39.78 2.98 -0.02	38.72 3.06 -0.02	38.20 2.95 -0.08	38.65 2.73 -0.02	37.97 2.64 -0.08	39.54 2.72 -0.02	44.14 2.81 -0.02	57.24 2.78 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.74 2.17 0.00	44.49 1.83 0.00	40.27 1.88 0.00	36.62 1.80 -0.11
ASTORIA___2 24149	37.64 1.96 0.00	35.27 1.71 -0.01	34.75 1.53 -0.01	33.61 1.51 -0.01	34.83 1.59 -0.01	36.47 1.70 0.00	45.42 2.20 0.00	55.03 2.92 0.00	50.60 3.00 0.00	40.63 2.84 -0.01	39.63 2.83 -0.01	38.64 2.99 -0.01	38.16 2.92 -0.08	38.57 2.66 -0.01	37.94 2.61 -0.08	39.50 2.69 -0.01	44.09 2.77 -0.01	57.78 3.32 0.01	72.60 2.99 0.01	72.27 2.91 0.01	53.63 2.06 0.01	44.49 1.83 0.00	40.23 1.84 0.00	36.48 1.67 -0.11
ASTORIA___3 23516	37.57 1.89 0.00	35.34 1.78 -0.01	34.84 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.54 1.77 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.45 2.86 0.00	40.67 2.87 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.91 2.57 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.68 3.21 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.27 1.88 0.00	36.58 1.77 -0.11
ASTORIA___4 23517	37.57 1.89 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.64 1.88 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.50 2.90 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.61 2.96 -0.02	38.10 2.85 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.43 2.61 -0.02	44.06 2.73 -0.02	57.35 2.89 0.00	72.96 3.34 0.00	72.56 3.19 0.00	53.84 2.27 0.00	44.58 1.92 0.00	40.27 1.88 0.00	36.72 1.91 -0.11
ASTORIA___5 23518	37.57 1.89 0.00	35.34 1.78 -0.01	34.84 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.54 1.77 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.45 2.86 0.00	40.67 2.87 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.91 2.57 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.68 3.21 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.27 1.88 0.00	36.58 1.77 -0.11
AST_ENERGY_2_CC3 323677	22.43 1.61 14.86	23.25 1.34 11.64	22.43 1.19 11.97	22.43 1.15 10.82	22.43 1.23 12.03	22.48 1.32 13.61	25.41 1.73 19.54	54.46 2.35 0.00	50.60 3.00 0.00	40.63 2.84 -0.01	39.63 2.83 -0.01	38.64 2.99 -0.01	38.16 2.92 -0.08	38.57 2.66 -0.01	37.94 2.61 -0.08	39.50 2.69 -0.01	44.09 2.77 -0.01	40.51 3.32 17.28	57.03 2.23 14.82	56.69 2.22 14.89	37.96 1.55 15.16	29.20 1.36 14.83	30.72 1.42 9.09	28.28 1.32 7.74
AST_ENERGY_2_CC4 323678	22.43 1.61 14.86	23.25 1.34 11.64	22.43 1.19 11.97	22.43 1.15 10.82	22.43 1.23 12.03	22.48 1.32 13.61	25.41 1.73 19.54	54.46 2.35 0.00	50.60 3.00 0.00	40.63 2.84 -0.01	39.63 2.83 -0.01	38.64 2.99 -0.01	38.16 2.92 -0.08	38.57 2.66 -0.01	37.94 2.61 -0.08	39.50 2.69 -0.01	44.09 2.77 -0.01	40.51 3.32 17.28	57.03 2.23 14.82	56.69 2.22 14.89	37.96 1.55 15.16	29.20 1.36 14.83	30.72 1.42 9.09	28.28 1.32 7.74



ATHENS_STG_1 23668	36.39 0.71 0.00	34.19 0.64 0.00	33.91 0.70 0.00	32.77 0.67 0.00	33.96 0.73 0.00	35.46 0.70 0.00	44.47 1.25 0.00	53.88 1.77 0.00	48.98 1.38 0.00	39.11 1.32 0.00	38.07 1.29 0.00	36.99 1.35 0.00	36.50 1.34 0.00	37.02 1.11 0.00	36.31 1.06 0.00	37.91 1.10 0.00	42.55 1.24 0.00	55.88 1.41 0.00	71.08 1.46 0.00	70.75 1.39 0.00	52.70 1.13 0.00	43.60 0.94 0.00	39.12 0.73 0.00	35.32 0.59 -0.03
ATHENS_STG_2 23670	36.39 0.71 0.00	34.19 0.64 0.00	33.91 0.70 0.00	32.77 0.67 0.00	33.96 0.73 0.00	35.46 0.70 0.00	44.47 1.25 0.00	53.88 1.77 0.00	48.98 1.38 0.00	39.11 1.32 0.00	38.07 1.29 0.00	36.99 1.35 0.00	36.50 1.34 0.00	37.02 1.11 0.00	36.31 1.06 0.00	37.91 1.10 0.00	42.55 1.24 0.00	55.88 1.41 0.00	71.08 1.46 0.00	70.75 1.39 0.00	52.70 1.13 0.00	43.60 0.94 0.00	39.12 0.73 0.00	35.32 0.59 -0.03
ATHENS_STG_3 23677	36.39 0.71 0.00	34.19 0.64 0.00	33.91 0.70 0.00	32.77 0.67 0.00	33.96 0.73 0.00	35.46 0.70 0.00	44.47 1.25 0.00	53.88 1.77 0.00	48.98 1.38 0.00	39.11 1.32 0.00	38.07 1.29 0.00	36.99 1.35 0.00	36.50 1.34 0.00	37.02 1.11 0.00	36.31 1.06 0.00	37.91 1.10 0.00	42.55 1.24 0.00	55.88 1.41 0.00	71.08 1.46 0.00	70.75 1.39 0.00	52.70 1.13 0.00	43.60 0.94 0.00	39.12 0.73 0.00	35.32 0.59 -0.03
AUBURN___LFGE 323710	35.71 0.04 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.06 -0.03 0.00	33.16 -0.07 0.00	34.87 0.10 0.00	43.74 0.52 0.00	55.88 0.68 -3.09	51.27 0.71 -2.96	40.51 0.38 -2.35	39.40 0.33 -2.29	35.88 0.25 0.00	35.31 0.14 0.00	35.83 -0.07 0.00	35.07 -0.18 0.00	36.55 -0.26 0.00	41.07 -0.25 0.00	54.25 -0.22 0.00	69.76 0.14 0.00	69.57 0.21 0.00	51.67 0.10 0.00	42.66 0.00 0.00	38.54 0.15 0.00	34.81 0.10 0.00
BABYLON_RES_REC 323704	38.00 2.32 0.00	35.76 2.21 0.00	35.14 1.93 0.00	34.02 1.93 0.00	35.36 2.13 0.00	38.07 2.50 -0.80	46.12 2.90 0.00	54.82 2.71 0.00	49.59 2.00 0.00	41.07 3.29 0.00	39.96 3.16 -0.01	38.92 3.28 -0.01	38.38 3.20 -0.02	39.80 2.94 -0.95	40.13 2.85 -2.02	40.61 2.91 -0.90	43.46 2.15 0.00	56.20 1.74 0.00	69.51 0.84 0.94	70.26 0.90 0.00	52.76 1.19 0.00	43.94 1.28 0.00	40.69 2.30 0.00	36.96 2.15 -0.10
BALL_HILL_WT_PWR 323825	35.86 0.18 0.00	33.75 0.20 0.00	33.34 0.13 0.00	32.32 0.23 0.00	33.33 0.10 0.00	35.43 0.66 0.00	44.77 1.55 0.00	56.96 0.83 -4.02	53.07 1.62 -3.85	41.94 1.10 -3.05	41.12 1.36 -2.97	36.31 0.68 0.00	35.83 0.67 0.00	36.12 0.22 0.00	35.11 -0.14 0.00	36.21 -0.59 0.00	40.20 -1.11 0.00	51.80 -2.67 0.00	67.53 -2.09 0.00	67.50 -1.87 0.00	50.28 -1.29 0.00	41.76 -0.90 0.00	38.62 0.23 0.00	35.57 0.87 0.00
BARON_WINDS___WT_PWR 323822	35.68 0.00 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.16 -0.07 0.00	35.19 0.42 0.00	44.47 1.25 0.00	55.18 1.10 -1.97	51.01 1.52 -1.89	40.19 0.91 -1.50	39.24 0.99 -1.46	35.92 0.28 0.00	35.41 0.25 0.00	35.61 -0.29 0.00	34.68 -0.57 0.00	35.89 -0.92 0.00	40.08 -1.24 0.00	52.61 -1.85 0.00	68.57 -1.04 0.00	68.39 -0.97 0.00	50.80 -0.77 0.00	42.02 -0.64 0.00	38.54 0.15 0.00	35.30 0.59 0.00
BARRETT_IC_1 23704	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_10 23701	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_11 23702	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_12 23703	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_2 23705	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_3 23706	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_4 23707	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_5 23708	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10



BARRETT_IC_6 23709	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_7 23710	37.75 2.07 0.00	35.63 2.08 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.76 2.19 -0.80	46.03 2.81 0.00	54.61 2.50 0.00	49.50 1.90 0.00	40.70 2.91 0.00	39.78 2.98 -0.01	38.57 2.92 -0.01	38.06 2.88 -0.01	39.31 2.55 -0.86	39.51 2.43 -1.83	40.09 2.47 -0.82	43.54 2.23 0.00	56.70 2.23 0.00	71.59 2.02 0.04	70.96 1.60 0.00	53.17 1.60 0.00	44.24 1.58 0.00	40.31 1.92 0.00	36.92 2.12 -0.10
BARRETT_IC_8 23711	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT_IC_9 23700	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT___1 23545	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BARRETT___2 23546	37.75 2.07 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.72 2.16 -0.80	45.73 2.51 0.00	54.66 2.55 0.00	49.50 1.91 0.00	40.77 2.98 0.00	39.70 2.91 -0.01	38.60 2.96 -0.01	38.10 2.92 -0.01	39.31 2.55 -0.86	39.55 2.47 -1.83	40.12 2.50 -0.82	43.63 2.31 0.00	56.86 2.39 0.00	71.38 1.81 0.04	70.88 1.52 0.01	53.17 1.60 0.00	44.15 1.49 0.00	40.31 1.92 0.00	36.61 1.80 -0.10
BATAVIA__115KV_TB1 55881	36.25 0.57 0.00	34.15 0.60 0.00	33.68 0.46 0.00	32.64 0.55 0.00	33.66 0.43 0.00	35.46 0.70 0.00	44.39 1.17 0.00	57.28 0.21 -4.96	53.68 1.33 -4.76	42.43 0.87 -3.77	41.12 0.66 -3.67	36.42 0.78 0.00	35.94 0.77 0.00	36.26 0.36 0.00	35.32 0.07 0.00	36.47 -0.33 0.00	40.57 -0.74 0.00	52.72 -1.74 0.00	68.09 -1.53 0.00	68.26 -1.11 0.00	50.90 -0.67 0.00	42.15 -0.51 0.00	39.08 0.69 0.00	35.37 0.66 0.00
BAYONEEC___CTG1 323682	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BAYONEEC___CTG10 323750	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BAYONEEC___CTG2 323683	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BAYONEEC___CTG3 323684	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BAYONEEC___CTG4 323685	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BAYONEEC___CTG5 323686	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BAYONEEC___CTG6 323687	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BAYONEEC___CTG7 323688	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10



BAYONEEC___CTG8 323689	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BAYONEEC___CTG9 323749	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.77 2.55 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.67 2.87 -0.01	39.67 2.87 -0.01	38.60 2.96 -0.01	38.16 2.92 -0.07	38.53 2.62 -0.01	37.93 2.61 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BEACON___LESR 323632	36.21 0.54 0.00	34.09 0.54 0.00	33.77 0.56 0.00	32.64 0.55 0.00	33.79 0.56 0.00	35.19 0.42 0.00	44.21 0.99 0.00	53.52 1.41 0.00	48.64 1.05 0.00	38.77 0.98 0.00	37.59 0.81 0.00	36.49 0.85 0.00	36.01 0.84 0.00	36.47 0.57 0.00	35.81 0.56 0.00	37.43 0.63 0.00	42.02 0.70 0.00	55.61 1.15 0.00	71.01 1.39 0.00	70.54 1.18 0.00	52.50 0.93 0.00	43.38 0.72 0.00	38.81 0.42 0.00	35.05 0.38 0.04
BEAVER RIVER___HYD 24048	36.43 0.75 0.00	34.32 0.77 0.00	33.87 0.66 0.00	32.32 0.23 0.00	33.53 0.30 0.00	35.29 0.52 0.00	43.82 0.60 0.00	55.47 0.99 -2.37	50.58 0.72 -2.27	39.51 -0.08 -1.80	38.46 -0.07 -1.75	35.49 -0.14 0.00	34.99 -0.17 0.00	35.54 -0.36 0.00	34.86 -0.39 0.00	36.55 -0.26 0.00	41.19 -0.12 0.00	54.68 0.22 0.00	70.59 0.97 0.00	70.89 1.52 0.00	52.60 1.03 0.00	43.56 0.90 0.00	39.04 0.65 0.00	35.19 0.49 0.00
BEEBEE_GT_13 23619	35.79 0.11 0.00	33.68 0.13 0.00	33.24 0.03 0.00	32.19 0.10 0.00	33.23 0.00 0.00	34.98 0.21 0.00	43.78 0.56 0.00	57.65 -0.36 -5.90	53.54 0.29 -5.66	42.35 0.08 -4.49	41.16 0.00 -4.37	36.13 0.50 0.00	35.62 0.46 0.00	36.08 0.18 0.00	35.21 -0.04 0.00	36.55 -0.26 0.00	40.78 -0.54 0.00	53.37 -1.09 0.00	68.57 -1.04 0.00	68.53 -0.83 0.00	51.06 -0.52 0.00	42.23 -0.43 0.00	38.66 0.27 0.00	34.95 0.24 0.00
BENSHRST_27_KV_BENSHRST_1 355998	37.82 2.14 0.00	35.57 2.01 -0.01	35.08 1.86 -0.01	33.90 1.80 -0.01	35.13 1.89 -0.01	36.85 2.09 0.00	45.90 2.68 0.00	55.71 3.60 0.00	50.60 3.00 0.00	40.67 2.87 -0.01	39.82 3.02 -0.02	38.75 3.10 -0.02	38.17 2.92 -0.09	38.68 2.76 -0.02	37.91 2.57 -0.09	39.58 2.76 -0.02	44.26 2.93 -0.02	57.68 3.21 0.00	73.38 3.76 0.00	73.04 3.68 0.00	54.15 2.58 0.00	44.79 2.13 0.00	40.46 2.07 0.00	36.97 2.15 -0.11
BETHLEHEM___GRP 23843	35.68 0.00 0.00	33.58 0.03 0.00	33.31 0.10 0.00	32.16 0.06 0.00	33.33 0.10 0.00	34.77 0.00 0.00	43.65 0.43 0.00	52.84 0.73 0.00	48.03 0.43 0.00	38.32 0.53 0.00	37.30 0.52 0.00	36.13 0.50 0.00	35.69 0.53 0.00	36.15 0.25 0.00	35.53 0.28 0.00	37.10 0.29 0.00	41.60 0.29 0.00	54.90 0.44 0.00	70.03 0.42 0.00	69.64 0.28 0.00	51.83 0.26 0.00	42.83 0.17 0.00	38.35 -0.04 0.00	34.77 0.10 0.04
BETHLEHEM___GS1 323560	35.68 0.00 0.00	33.58 0.03 0.00	33.31 0.10 0.00	32.16 0.06 0.00	33.30 0.07 0.00	34.66 -0.10 0.00	43.48 0.26 0.00	52.69 0.57 0.00	47.88 0.29 0.00	38.24 0.46 0.00	37.19 0.41 0.00	36.10 0.46 0.00	35.62 0.46 0.00	36.12 0.22 0.00	35.46 0.21 0.00	37.03 0.22 0.00	41.52 0.21 0.00	54.79 0.33 0.00	69.83 0.21 0.00	69.43 0.07 0.00	51.73 0.16 0.00	42.74 0.09 0.00	38.27 -0.11 0.00	34.60 -0.07 0.04
BETHLEHEM___GS2 323561	35.68 0.00 0.00	33.58 0.03 0.00	33.31 0.10 0.00	32.16 0.06 0.00	33.30 0.07 0.00	34.66 -0.10 0.00	43.48 0.26 0.00	52.69 0.57 0.00	47.88 0.29 0.00	38.24 0.46 0.00	37.19 0.41 0.00	36.10 0.46 0.00	35.62 0.46 0.00	36.12 0.22 0.00	35.46 0.21 0.00	37.03 0.22 0.00	41.52 0.21 0.00	54.79 0.33 0.00	69.83 0.21 0.00	69.43 0.07 0.00	51.73 0.16 0.00	42.74 0.09 0.00	38.27 -0.11 0.00	34.60 -0.07 0.04
BETHLEHEM___GS3 323562	35.68 0.00 0.00	33.58 0.03 0.00	33.31 0.10 0.00	32.16 0.06 0.00	33.30 0.07 0.00	34.66 -0.10 0.00	43.48 0.26 0.00	52.69 0.57 0.00	47.88 0.29 0.00	38.24 0.46 0.00	37.19 0.41 0.00	36.10 0.46 0.00	35.62 0.46 0.00	36.12 0.22 0.00	35.46 0.21 0.00	37.03 0.22 0.00	41.52 0.21 0.00	54.79 0.33 0.00	69.83 0.21 0.00	69.43 0.07 0.00	51.73 0.16 0.00	42.74 0.09 0.00	38.27 -0.11 0.00	34.60 -0.07 0.04
BETHLEHEM___STEEL 23779	35.79 0.11 0.00	33.68 0.13 0.00	33.28 0.07 0.00	32.28 0.19 0.00	33.26 0.03 0.00	35.15 0.38 0.00	44.04 0.82 0.00	56.54 0.36 -4.06	52.91 1.43 -3.89	41.89 1.02 -3.08	40.70 0.92 -3.00	36.20 0.57 0.00	35.73 0.56 0.00	36.01 0.11 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	40.03 -1.28 0.00	51.85 -2.61 0.00	67.04 -2.58 0.00	67.08 -2.29 0.00	49.97 -1.60 0.00	41.42 -1.24 0.00	38.58 0.19 0.00	34.95 0.24 0.00
BETHLHEM_115KV_TB1 79974	35.79 0.11 0.00	33.68 0.13 0.00	33.38 0.17 0.00	32.25 0.16 0.00	33.43 0.20 0.00	34.87 0.10 0.00	43.78 0.56 0.00	52.95 0.83 0.00	48.12 0.52 0.00	38.43 0.64 0.00	37.37 0.59 0.00	36.24 0.61 0.00	35.80 0.63 0.00	36.26 0.36 0.00	35.64 0.39 0.00	37.21 0.40 0.00	41.69 0.37 0.00	55.01 0.54 0.00	70.24 0.63 0.00	69.78 0.42 0.00	51.98 0.41 0.00	42.96 0.30 0.00	38.46 0.08 0.00	34.84 0.17 0.04
BETHPAGE_CC_5 323564	37.75 2.07 0.00	35.56 2.01 0.00	34.97 1.76 0.00	33.86 1.76 0.00	35.19 1.96 0.00	37.79 2.23 -0.80	45.77 2.55 0.00	54.61 2.50 0.00	49.45 1.85 0.00	40.85 3.06 0.00	39.78 2.98 -0.01	38.74 3.10 -0.01	38.21 3.02 -0.02	39.64 2.73 -1.01	40.07 2.68 -2.15	40.45 2.69 -0.96	43.67 2.35 0.00	56.80 2.34 0.00	70.39 1.67 0.90	71.10 1.73 0.00	53.12 1.55 0.00	44.15 1.49 0.00	40.42 2.03 0.00	36.71 1.91 -0.10
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	35.79 0.11 0.00	33.65 0.10 0.00	33.24 0.03 0.00	32.25 0.16 0.00	33.23 0.00 0.00	35.15 0.38 0.00	44.08 0.86 0.00	56.83 0.73 -3.99	53.18 1.76 -3.82	42.10 1.28 -3.03	40.91 1.18 -2.95	36.20 0.57 0.00	35.73 0.56 0.00	36.01 0.11 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	40.08 -1.24 0.00	51.90 -2.56 0.00	67.11 -2.51 0.00	67.15 -2.22 0.00	50.02 -1.55 0.00	41.46 -1.19 0.00	38.58 0.19 0.00	34.95 0.24 0.00
BINGHAMTON___COGEN 23790	35.93 0.25 0.00	33.75 0.20 0.00	33.41 0.20 0.00	32.28 0.19 0.00	33.43 0.20 0.00	35.15 0.38 0.00	44.17 0.95 0.00	52.31 1.35 1.15	47.92 1.43 1.10	37.89 0.98 0.88	36.89 0.96 0.85	36.31 0.68 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.39 0.14 0.00	36.80 0.00 0.00	41.31 0.00 0.00	54.35 -0.11 0.00	69.90 0.28 0.00	69.71 0.35 0.00	51.78 0.21 0.00	42.74 0.09 0.00	38.69 0.31 0.00	35.03 0.31 -0.01



BIXINCNT_115KV_LOAD 355685	35.54 -0.14 0.00	33.45 -0.10 0.00	33.11 -0.10 0.00	32.16 0.06 0.00	33.13 -0.10 0.00	35.11 0.35 0.00	44.34 1.12 0.00	57.66 1.88 -3.67	53.88 2.76 -3.52	42.47 1.89 -2.79	41.34 1.84 -2.71	36.28 0.64 0.00	35.76 0.60 0.00	35.90 0.00 0.00	34.86 -0.39 0.00	35.92 -0.88 0.00	39.91 -1.40 0.00	51.96 -2.51 0.00	67.53 -2.09 0.00	67.70 -1.66 0.00	50.28 -1.29 0.00	41.63 -1.02 0.00	38.50 0.12 0.00	34.81 0.10 0.00
BLACK RIVER___HYD 24047	36.60 0.93 0.00	34.52 0.97 0.00	34.07 0.86 0.00	32.57 0.48 0.00	33.86 0.63 0.00	35.71 0.94 0.00	44.52 1.30 0.00	58.10 1.87 -4.11	53.06 1.52 -3.94	41.18 0.27 -3.13	40.12 0.29 -3.04	35.78 0.14 0.00	35.27 0.11 0.00	35.69 -0.21 0.00	34.97 -0.28 0.00	36.69 -0.11 0.00	41.44 0.12 0.00	55.12 0.66 0.00	71.50 1.88 0.00	71.93 2.57 0.00	53.27 1.70 0.00	44.06 1.41 0.00	39.50 1.11 0.00	35.61 0.90 0.00
BLACKRVR_115KV_TB2 79977	36.61 0.93 0.00	34.52 0.97 0.00	34.07 0.86 0.00	32.57 0.48 0.00	33.86 0.63 0.00	35.71 0.94 0.00	44.47 1.25 0.00	58.10 1.88 -4.11	53.06 1.52 -3.94	41.14 0.23 -3.13	40.09 0.26 -3.04	35.78 0.14 0.00	35.27 0.11 0.00	35.69 -0.22 0.00	34.97 -0.28 0.00	36.69 -0.11 0.00	41.44 0.12 0.00	55.12 0.65 0.00	71.50 1.88 0.00	71.93 2.57 0.00	53.27 1.70 0.00	44.11 1.45 0.00	39.50 1.11 0.00	35.57 0.87 0.00
BLDWN_LI_69_KV_BK4 356085	37.96 2.28 0.00	35.80 2.25 0.00	35.17 1.96 0.00	34.05 1.96 0.00	35.36 2.13 0.00	38.00 2.43 -0.80	46.38 3.16 0.00	55.03 2.92 0.00	49.88 2.28 0.00	41.00 3.21 0.00	40.07 3.27 -0.01	38.89 3.24 -0.01	38.35 3.16 -0.02	39.89 2.87 -1.12	40.42 2.78 -2.38	40.70 2.83 -1.06	43.92 2.60 0.00	57.19 2.72 0.00	71.77 2.58 0.42	71.79 2.43 0.00	53.69 2.11 0.00	44.66 2.00 0.00	40.65 2.26 0.00	37.20 2.39 -0.10
BLISS_WT_PWR 323608	35.50 -0.18 0.00	33.45 -0.10 0.00	33.11 -0.10 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.29 0.52 0.00	44.82 1.60 0.00	57.87 2.09 -3.67	53.92 2.81 -3.52	42.50 1.93 -2.79	41.67 2.17 -2.71	36.31 0.68 0.00	35.80 0.63 0.00	35.87 -0.04 0.00	34.83 -0.42 0.00	35.89 -0.92 0.00	39.87 -1.45 0.00	51.69 -2.78 0.00	67.53 -2.09 0.00	67.77 -1.59 0.00	50.33 -1.24 0.00	41.81 -0.85 0.00	38.50 0.12 0.00	35.33 0.63 0.00
BLUESTONE___WT_PWR 323821	37.07 1.39 0.00	34.93 1.38 0.00	34.47 1.26 0.00	33.25 1.15 0.00	34.49 1.26 0.00	36.26 1.49 0.00	45.73 2.51 0.00	55.66 3.55 0.00	50.65 3.05 0.00	39.75 1.96 0.00	38.85 2.06 0.00	37.63 1.99 0.00	37.03 1.86 0.00	37.16 1.26 0.00	36.27 1.02 0.00	37.87 1.07 0.00	42.72 1.41 0.00	58.17 3.71 0.00	74.70 5.08 0.00	74.78 5.41 0.00	55.33 3.76 0.00	44.11 1.45 0.00	39.62 1.23 0.00	35.88 1.11 -0.06
BLUE_CIRC_CHEM_DRP 24182	36.29 0.61 0.00	34.12 0.57 0.00	33.84 0.63 0.00	32.70 0.61 0.00	33.86 0.63 0.00	35.39 0.63 0.00	44.43 1.21 0.00	53.67 1.56 0.00	48.69 1.09 0.00	38.69 0.91 0.00	37.56 0.77 0.00	36.42 0.78 0.00	35.90 0.74 0.00	36.40 0.50 0.00	35.74 0.49 0.00	37.39 0.59 0.00	42.02 0.70 0.00	55.50 1.03 0.00	70.94 1.32 0.00	70.61 1.25 0.00	52.55 0.98 0.00	43.43 0.77 0.00	38.96 0.58 0.00	35.31 0.62 0.02
BOC_GAS_DRP 24189	36.07 0.39 0.00	33.92 0.37 0.00	33.61 0.40 0.00	32.48 0.39 0.00	33.66 0.43 0.00	35.15 0.38 0.00	44.08 0.86 0.00	53.31 1.20 0.00	48.45 0.86 0.00	38.66 0.87 0.00	37.63 0.85 0.00	36.49 0.86 0.00	36.01 0.84 0.00	36.55 0.65 0.00	35.88 0.63 0.00	37.47 0.66 0.00	42.02 0.70 0.00	55.33 0.87 0.00	70.52 0.91 0.00	70.20 0.83 0.00	52.24 0.67 0.00	43.21 0.55 0.00	38.77 0.38 0.00	35.06 0.38 0.02
BOONVILLE_115KV_TB1 79983	36.39 0.71 0.00	34.25 0.70 0.00	33.87 0.66 0.00	32.44 0.35 0.00	33.70 0.47 0.00	35.39 0.63 0.00	44.17 0.95 0.00	54.41 1.41 -0.89	49.64 1.19 -0.86	38.88 0.42 -0.68	37.89 0.44 -0.66	35.99 0.36 0.00	35.48 0.32 0.00	36.01 0.11 0.00	35.28 0.04 0.00	36.91 0.11 0.00	41.60 0.29 0.00	55.12 0.65 0.00	70.94 1.32 0.00	71.03 1.66 0.00	52.71 1.13 0.00	43.55 0.90 0.00	39.08 0.69 0.00	35.26 0.56 0.00
BORALEX_4TH_BRANCH 23824	36.82 1.14 0.00	34.56 1.01 0.00	34.17 0.96 0.00	33.02 0.93 0.00	34.23 1.00 0.00	35.91 1.15 0.00	45.38 2.16 0.00	54.98 2.87 0.00	49.60 2.00 0.00	39.72 1.93 0.00	38.63 1.84 0.00	37.49 1.85 0.00	36.92 1.76 0.00	37.44 1.54 0.00	36.76 1.52 0.00	38.50 1.69 0.00	43.22 1.90 0.00	57.02 2.56 0.00	72.82 3.20 0.00	72.14 2.77 0.00	53.74 2.17 0.00	44.37 1.71 0.00	39.62 1.23 0.00	35.62 1.01 0.09
BOWLINE___1 23526	37.03 1.36 0.00	34.79 1.24 0.00	34.34 1.13 0.00	33.18 1.09 0.00	34.39 1.16 0.00	36.09 1.32 0.00	45.42 2.20 0.00	55.13 3.02 0.00	50.12 2.52 0.00	40.09 2.31 0.00	39.14 2.36 0.00	38.06 2.42 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.29 2.04 0.00	38.86 2.06 0.00	43.59 2.27 0.00	57.13 2.67 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.74 2.17 0.00	44.41 1.75 0.00	39.85 1.46 0.00	36.04 1.25 -0.08
BOWLINE___2 23595	37.00 1.32 0.00	34.79 1.24 0.00	34.34 1.13 0.00	33.18 1.09 0.00	34.39 1.16 0.00	36.09 1.32 0.00	45.42 2.20 0.00	55.13 3.02 0.00	50.12 2.52 0.00	40.09 2.31 0.00	39.14 2.36 0.00	38.06 2.42 0.00	37.56 2.39 0.00	37.98 2.08 0.00	37.29 2.04 0.00	38.86 2.06 0.00	43.59 2.27 0.00	57.13 2.67 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.12 0.00	44.37 1.71 0.00	39.85 1.46 0.00	36.04 1.25 -0.08
BRADY___115KV_TB2 356060	36.46 0.78 0.00	34.36 0.81 0.00	33.91 0.70 0.00	32.70 0.61 0.00	33.86 0.63 0.00	35.57 0.80 0.00	43.48 0.26 0.00	52.27 0.16 0.00	47.74 0.14 0.00	37.67 -0.11 0.00	36.68 -0.11 0.00	35.49 -0.14 0.00	34.99 -0.18 0.00	35.97 0.07 0.00	35.50 0.25 0.00	37.25 0.44 0.00	41.93 0.62 0.00	55.61 1.14 0.00	71.22 1.60 0.00	71.17 1.80 0.00	52.86 1.29 0.00	43.77 1.11 0.00	39.27 0.88 0.00	35.47 0.76 0.00
BRANSCOMB___SOLAR 323811	36.64 0.96 0.00	34.46 0.91 0.00	34.11 0.90 0.00	32.99 0.90 0.00	34.19 0.96 0.00	35.74 0.97 0.00	44.95 1.73 0.00	54.30 2.19 0.00	49.22 1.62 0.00	39.00 1.21 0.00	37.74 0.95 0.00	36.63 1.00 0.00	36.08 0.91 0.00	36.62 0.72 0.00	35.85 0.60 0.00	37.65 0.85 0.00	42.35 1.03 0.00	56.21 1.74 0.00	71.91 2.29 0.00	71.58 2.22 0.00	53.27 1.70 0.00	43.98 1.32 0.00	39.35 0.96 0.00	35.42 0.76 0.05
BRDGHMPT_69_KV_BK1 55812	37.71 2.03 0.00	35.53 1.98 0.00	34.90 1.69 0.00	33.86 1.77 0.00	35.29 2.06 0.00	38.35 2.78 -0.80	46.50 3.28 0.00	54.35 2.24 0.00	49.17 1.57 0.00	40.66 2.87 0.00	39.78 2.98 -0.01	38.64 2.99 -0.01	37.92 2.74 -0.01	39.25 2.51 -0.84	39.39 2.36 -1.78	39.95 2.36 -0.79	43.01 1.69 0.00	55.77 1.31 0.00	69.08 0.14 0.67	69.78 0.42 0.00	52.34 0.77 0.00	43.98 1.32 0.00	40.15 1.77 0.00	36.85 2.05 -0.10



BRENTWOD_69_KV_W. BRTWOOD 56703	38.03 2.35 0.00	35.83 2.28 0.00	35.14 1.93 0.00	34.05 1.96 0.00	35.39 2.16 0.00	38.24 2.68 -0.80	46.55 3.33 0.00	54.66 2.55 0.00	49.45 1.86 0.00	41.04 3.25 0.00	40.07 3.27 -0.01	38.92 3.28 -0.01	38.34 3.16 -0.01	39.68 2.91 -0.87	39.95 2.86 -1.84	40.50 2.87 -0.82	43.54 2.23 0.00	56.59 2.12 0.00	70.25 1.53 0.89	70.96 1.60 0.00	53.12 1.55 0.00	44.36 1.71 0.00	40.69 2.30 0.00	37.24 2.43 -0.10
BRISTLHL_115KV_TB1 79998	35.11 -0.57 0.00	32.98 -0.57 0.00	32.65 -0.56 0.00	31.55 -0.55 0.00	32.66 -0.56 0.00	34.25 -0.52 0.00	42.74 -0.48 0.00	60.32 -0.52 -8.73	55.58 -0.38 -8.36	44.04 -0.38 -6.63	42.88 -0.37 -6.46	35.24 -0.39 0.00	34.74 -0.42 0.00	35.29 -0.61 0.00	34.58 -0.67 0.00	36.07 -0.74 0.00	40.49 -0.83 0.00	53.32 -1.14 0.00	68.36 -1.25 0.00	68.19 -1.18 0.00	50.69 -0.88 0.00	41.98 -0.68 0.00	37.85 -0.54 0.00	34.22 -0.49 0.00
BROOKHAVEN___DRP 24191	37.71 2.03 0.00	35.53 1.98 0.00	34.84 1.63 0.00	33.76 1.67 0.00	35.09 1.86 0.00	38.00 2.43 -0.80	46.07 2.85 0.00	53.93 1.82 0.00	48.88 1.29 0.00	40.58 2.80 0.00	39.63 2.83 -0.01	38.49 2.85 -0.01	37.89 2.71 -0.01	39.22 2.48 -0.84	39.39 2.36 -1.78	39.99 2.39 -0.79	43.09 1.78 0.00	55.88 1.42 0.00	69.23 0.28 0.66	69.85 0.49 0.00	52.50 0.93 0.00	44.11 1.45 0.00	40.35 1.96 0.00	36.92 2.12 -0.10
BROOKLYN_NAVY_YARD 23515	37.32 1.64 0.00	35.09 1.54 0.00	34.60 1.39 0.00	33.44 1.35 0.00	34.66 1.43 0.00	36.37 1.60 0.00	45.73 2.51 0.00	55.60 3.49 0.00	50.65 3.05 0.00	40.63 2.84 -0.01	39.63 2.83 -0.01	38.57 2.92 -0.01	38.19 2.95 -0.07	38.50 2.59 -0.01	37.97 2.65 -0.07	39.43 2.61 -0.01	44.18 2.85 -0.01	57.73 3.27 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
BROOKLYN___ARMY_DRP 323595	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
BROOME_2_LFGE 323671	35.93 0.25 0.00	33.75 0.20 0.00	33.41 0.20 0.00	32.32 0.23 0.00	33.43 0.20 0.00	35.19 0.42 0.00	44.30 1.08 0.00	52.37 1.41 1.15	47.92 1.43 1.10	37.89 0.98 0.88	36.96 1.03 0.85	36.31 0.68 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.43 0.18 0.00	36.84 0.04 0.00	41.36 0.04 0.00	54.30 -0.16 0.00	69.90 0.28 0.00	69.71 0.35 0.00	51.78 0.21 0.00	42.79 0.13 0.00	38.69 0.31 0.00	35.17 0.45 -0.01
BROOME___LFGE 323600	35.93 0.25 0.00	33.75 0.20 0.00	33.41 0.20 0.00	32.32 0.23 0.00	33.43 0.20 0.00	35.19 0.42 0.00	44.30 1.08 0.00	52.37 1.41 1.15	47.92 1.43 1.10	37.89 0.98 0.88	36.96 1.03 0.85	36.31 0.68 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.43 0.18 0.00	36.84 0.04 0.00	41.36 0.04 0.00	54.30 -0.16 0.00	69.90 0.28 0.00	69.71 0.35 0.00	51.78 0.21 0.00	42.79 0.13 0.00	38.69 0.31 0.00	35.17 0.45 -0.01
BROWNFLS_115KV_TB_3_5 80003	36.39 0.71 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.41 0.32 0.00	33.63 0.40 0.00	35.36 0.59 0.00	43.48 0.26 0.00	54.22 0.42 -1.69	49.55 0.33 -1.62	38.92 -0.15 -1.29	37.89 -0.15 -1.25	35.46 -0.18 0.00	34.92 -0.25 0.00	35.61 -0.29 0.00	35.04 -0.21 0.00	36.73 -0.07 0.00	41.40 0.08 0.00	54.90 0.44 0.00	70.45 0.84 0.00	70.61 1.25 0.00	52.60 1.03 0.00	43.64 0.98 0.00	39.12 0.73 0.00	35.26 0.56 0.00
BROWNSV1_27_KV_LOAD 356125	37.64 1.96 0.00	35.36 1.81 0.00	34.90 1.69 0.00	33.70 1.60 0.00	34.92 1.69 0.00	36.71 1.95 0.00	46.20 2.98 0.00	56.07 3.96 0.00	51.02 3.43 0.00	40.93 3.14 -0.01	40.04 3.24 -0.01	38.86 3.21 -0.01	38.40 3.16 -0.07	38.82 2.91 -0.01	38.14 2.82 -0.07	39.69 2.87 -0.01	44.47 3.14 -0.01	58.00 3.54 0.00	73.79 4.18 0.00	73.46 4.09 0.00	54.51 2.94 0.00	45.00 2.35 0.00	40.50 2.11 0.00	36.78 1.98 -0.10
BURROWS___LYONSDAL 23803	36.39 0.71 0.00	34.25 0.70 0.00	33.87 0.66 0.00	32.38 0.29 0.00	33.60 0.37 0.00	35.32 0.56 0.00	44.04 0.82 -1.18	54.54 1.25 -1.13	49.73 1.00 -0.90	38.91 0.23 -0.90	37.92 0.26 -0.88	35.81 0.18 0.00	35.34 0.18 0.00	35.83 -0.07 0.00	35.14 -0.11 0.00	36.80 0.00 0.00	41.48 0.17 0.00	54.95 0.49 0.00	70.80 1.18 0.00	70.89 1.53 0.00	52.60 1.03 0.00	43.51 0.85 0.00	39.00 0.61 0.00	35.19 0.49 0.00
CAITHNESS_CC_1 323624	37.75 2.07 0.00	35.46 1.91 0.00	34.87 1.66 0.00	33.76 1.67 0.00	35.12 1.89 0.00	37.93 2.37 -0.80	45.73 2.51 0.00	54.04 1.93 0.00	48.88 1.29 0.00	40.66 2.87 0.00	39.56 2.76 -0.01	38.53 2.89 -0.01	37.96 2.78 -0.01	39.25 2.51 -0.84	39.46 2.43 -1.78	40.03 2.43 -0.79	43.26 1.94 0.00	56.04 1.58 0.00	69.32 0.35 0.65	69.85 0.49 0.00	52.45 0.88 0.00	43.85 1.19 0.00	40.38 1.99 0.00	36.71 1.91 -0.10
CALPINE BETH_PAGE_GT4 24209	37.78 2.11 0.00	35.73 2.18 0.00	35.07 1.86 0.00	33.95 1.86 0.00	35.26 2.03 0.00	37.86 2.29 -0.80	46.12 2.90 0.00	54.66 2.55 0.00	49.55 1.95 0.00	40.85 3.06 0.00	39.93 3.13 -0.01	38.75 3.10 -0.01	38.21 3.02 -0.02	39.74 2.76 -1.07	40.21 2.68 -2.28	40.54 2.72 -1.02	43.63 2.31 0.00	56.75 2.29 0.00	70.62 1.88 0.88	71.31 1.94 0.00	53.27 1.70 0.00	44.32 1.66 0.00	40.46 2.07 0.00	37.13 2.33 -0.10
CALPINE_BETH_PAGE_GT_4 323586	37.78 2.10 0.00	35.67 2.11 0.00	35.07 1.86 0.00	33.95 1.86 0.00	35.26 2.03 0.00	37.79 2.23 -0.80	45.81 2.59 0.00	54.72 2.60 0.00	49.55 1.95 0.00	40.89 3.10 0.00	39.82 3.02 -0.01	38.78 3.14 -0.01	38.24 3.06 -0.02	39.74 2.76 -1.07	40.25 2.71 -2.28	40.54 2.72 -1.02	43.75 2.44 0.00	56.92 2.45 0.00	70.54 1.81 0.88	71.30 1.94 0.00	53.22 1.65 0.00	44.24 1.58 0.00	40.46 2.07 0.00	36.71 1.91 -0.10
CALPINE_BP_GT1 23823	37.78 2.10 0.00	35.67 2.11 0.00	35.07 1.86 0.00	33.95 1.86 0.00	35.26 2.03 0.00	37.79 2.23 -0.80	45.81 2.59 0.00	54.72 2.60 0.00	49.55 1.95 0.00	40.89 3.10 0.00	39.82 3.02 -0.01	38.78 3.14 -0.01	38.24 3.06 -0.02	39.74 2.76 -1.07	40.25 2.71 -2.28	40.54 2.72 -1.02	43.75 2.44 0.00	56.92 2.45 0.00	70.54 1.81 0.88	71.30 1.94 0.00	53.22 1.65 0.00	44.24 1.58 0.00	40.46 2.07 0.00	36.71 1.91 -0.10
CALSPAN___DRP 24200	35.79 0.11 0.00	33.68 0.13 0.00	33.28 0.07 0.00	32.28 0.19 0.00	33.26 0.03 0.00	35.15 0.38 0.00	44.04 0.82 -4.06	56.54 0.36 -4.06	52.91 1.43 -3.89	41.89 1.02 -3.08	40.70 0.92 -3.00	36.20 0.57 0.00	35.73 0.56 0.00	36.01 0.11 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	40.03 -1.28 0.00	51.85 -2.61 0.00	67.04 -2.58 0.00	67.08 -2.29 0.00	49.97 -1.60 0.00	41.42 -1.24 0.00	38.58 0.19 0.00	34.95 0.24 0.00



CALVERTON___SOLAR 323806	37.71 2.03 0.00	35.43 1.88 0.00	34.84 1.63 0.00	33.76 1.67 0.00	35.12 1.89 0.00	37.96 2.40 -0.80	45.73 2.51 0.00	54.09 1.98 0.00	48.88 1.29 0.00	40.58 2.80 0.00	39.52 2.72 -0.01	38.50 2.85 -0.01	37.89 2.71 -0.01	39.18 2.44 -0.84	39.39 2.36 -1.78	39.99 2.39 -0.79	43.21 1.90 0.00	56.04 1.58 0.00	69.23 0.28 0.67	69.85 0.49 0.00	52.39 0.82 0.00	43.81 1.15 0.00	40.34 1.96 0.00	36.65 1.84 -0.10
CANDIGU_WT_PWR 323617	35.68 0.00 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.16 -0.07 0.00	35.19 0.42 0.00	44.47 1.25 0.00	55.18 1.10 -1.97	51.01 1.52 -1.89	40.19 0.91 -1.50	39.24 0.99 -1.46	35.92 0.28 0.00	35.41 0.25 0.00	35.61 -0.29 0.00	34.68 -0.57 0.00	35.89 -0.92 0.00	40.08 -1.24 0.00	52.61 -1.85 0.00	68.57 -1.04 0.00	68.39 -0.97 0.00	50.80 -0.77 0.00	42.02 -0.64 0.00	38.54 0.15 0.00	35.30 0.59 0.00
CARR STREET_E_SYR 24060	35.29 -0.39 0.00	33.15 -0.40 0.00	32.78 -0.43 0.00	31.71 -0.38 0.00	32.80 -0.43 0.00	34.45 -0.31 0.00	43.05 -0.17 0.00	52.80 -0.21 -0.89	48.36 -0.10 -0.85	38.32 -0.15 -0.68	37.45 0.00 -0.66	35.56 -0.07 0.00	35.03 -0.14 0.00	35.58 -0.32 0.00	34.83 -0.42 0.00	36.29 -0.52 0.00	40.61 -0.70 0.00	53.48 -0.98 0.00	68.57 -1.04 0.00	68.39 -0.97 0.00	50.85 -0.72 0.00	42.02 -0.64 0.00	38.04 -0.35 0.00	34.46 -0.24 0.00
CARTHAGE___PAPER 23857	36.53 0.85 0.00	34.42 0.87 0.00	33.97 0.76 0.00	32.45 0.35 0.00	33.69 0.46 0.00	35.50 0.73 0.00	44.13 0.91 0.00	56.96 1.41 -3.44	51.94 1.05 -3.29	40.44 0.04 -2.61	39.37 0.04 -2.54	35.56 -0.07 0.00	35.10 -0.07 0.00	35.61 -0.29 0.00	34.93 -0.32 0.00	36.62 -0.18 0.00	41.36 0.04 0.00	54.95 0.49 0.00	71.15 1.53 0.00	71.52 2.15 0.00	52.96 1.39 0.00	43.85 1.19 0.00	39.27 0.88 0.00	35.40 0.69 0.00
CASSADAGA_WT_PWR 323784	36.28 0.61 0.00	34.09 0.54 0.00	33.71 0.50 0.00	32.70 0.61 0.00	33.73 0.50 0.00	35.91 1.15 0.00	45.42 2.20 0.00	57.67 1.77 -3.79	53.61 2.38 -3.63	42.40 1.74 -2.87	41.68 2.10 -2.80	36.81 1.17 0.00	36.32 1.16 0.00	36.55 0.65 0.00	35.39 0.14 0.00	36.51 -0.30 0.00	40.61 -0.70 0.00	52.50 -1.96 0.00	68.64 -0.97 0.00	68.81 -0.56 0.00	51.11 -0.47 0.00	42.36 -0.30 0.00	39.08 0.69 0.00	35.82 1.11 0.00
CE_DUNWOOD___DRP 24194	37.14 1.46 0.00	34.93 1.38 0.00	34.47 1.26 0.00	33.31 1.22 0.00	34.53 1.30 0.00	36.26 1.49 0.00	45.64 2.42 0.00	55.29 3.18 0.00	50.21 2.62 0.00	40.28 2.49 0.00	39.36 2.58 0.00	38.24 2.60 0.00	37.70 2.53 0.00	38.20 2.30 0.00	37.47 2.22 0.00	39.05 2.25 0.00	43.75 2.44 0.00	57.19 2.72 0.00	72.82 3.20 0.00	72.49 3.12 0.00	53.84 2.27 0.00	44.49 1.83 0.00	40.00 1.61 0.00	36.33 1.53 -0.09
CE_MILLWOOD___DRP 24193	37.07 1.39 0.00	34.86 1.31 0.00	34.41 1.20 0.00	33.25 1.16 0.00	34.46 1.23 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.13 3.02 0.00	50.12 2.52 0.00	40.13 2.34 0.00	39.21 2.43 0.00	38.09 2.46 0.00	37.56 2.39 0.00	38.06 2.15 0.00	37.33 2.08 0.00	38.90 2.10 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.21 1.42 -0.09
CE_NYC2_DRP 24202	37.57 1.89 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.68 1.91 0.00	45.81 2.59 0.00	55.60 3.49 0.00	50.55 2.95 0.00	40.67 2.87 -0.01	39.75 2.94 -0.02	38.64 2.99 -0.02	38.14 2.88 -0.09	38.57 2.66 -0.02	37.91 2.57 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.40 2.94 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.27 1.88 0.00	36.72 1.91 -0.11
CE_NYC_DRP 24195	37.43 1.75 0.00	35.19 1.64 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.51 1.74 0.00	45.94 2.72 0.00	55.76 3.65 0.00	50.69 3.09 0.00	40.70 2.91 -0.01	39.82 3.02 -0.01	38.68 3.03 -0.01	38.19 2.95 -0.07	38.61 2.69 -0.01	37.96 2.64 -0.07	39.50 2.69 -0.01	44.22 2.89 -0.01	57.68 3.21 0.00	73.38 3.76 0.00	72.97 3.61 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
CHAFFEE___LFGE 323603	35.79 0.11 0.00	33.72 0.17 0.00	33.28 0.07 0.00	32.25 0.16 0.00	33.26 0.03 0.00	35.36 0.59 0.00	44.64 1.42 0.00	56.92 0.94 -3.87	53.06 1.76 -3.71	41.93 1.21 -2.94	41.08 1.43 -2.86	36.24 0.61 0.00	35.76 0.60 0.00	36.05 0.14 0.00	35.07 -0.18 0.00	36.21 -0.59 0.00	40.20 -1.11 0.00	51.74 -2.72 0.00	67.32 -2.30 0.00	67.35 -2.01 0.00	50.18 -1.39 0.00	41.72 -0.94 0.00	38.62 0.23 0.00	35.57 0.87 0.00
CHATEAUG_35_KV_LOAD 355732	35.86 0.18 0.00	33.82 0.27 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.50 0.27 0.00	35.15 0.38 0.00	43.05 -0.17 0.00	51.54 -0.57 0.00	47.26 -0.33 0.00	37.52 -0.26 0.00	36.46 -0.33 0.00	35.28 -0.36 0.00	34.74 -0.42 0.00	35.72 -0.18 0.00	35.25 0.00 0.00	36.88 0.07 0.00	41.48 0.17 0.00	54.90 0.44 0.00	70.31 0.70 0.00	70.13 0.76 0.00	52.03 0.46 0.00	43.17 0.51 0.00	38.77 0.38 0.00	35.02 0.31 0.00
CHATEAUG_WT_PWR 323614	35.71 0.04 0.00	33.69 0.13 0.00	33.34 0.13 0.00	32.22 0.13 0.00	33.40 0.17 0.00	35.01 0.25 0.00	42.96 -0.26 0.00	51.38 -0.73 0.00	47.12 -0.48 0.00	37.48 -0.30 0.00	36.45 -0.33 0.00	35.28 -0.36 0.00	34.75 -0.42 0.00	35.76 -0.14 0.00	35.21 -0.04 0.00	36.80 0.00 0.00	41.40 0.08 0.00	54.68 0.22 0.00	70.04 0.42 0.00	69.99 0.62 0.00	51.78 0.21 0.00	43.00 0.34 0.00	38.62 0.23 0.00	34.92 0.21 0.00
CHAT_HIGH_FALL_HYD 323578	35.86 0.18 0.00	33.82 0.27 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.50 0.27 0.00	35.15 0.38 0.00	43.05 -0.17 0.00	51.54 -0.57 0.00	47.26 -0.33 0.00	37.52 -0.26 0.00	36.46 -0.33 0.00	35.28 -0.36 0.00	34.74 -0.42 0.00	35.72 -0.18 0.00	35.25 0.00 0.00	36.88 0.07 0.00	41.48 0.17 0.00	54.90 0.44 0.00	70.31 0.70 0.00	70.13 0.76 0.00	52.03 0.46 0.00	43.17 0.51 0.00	38.77 0.38 0.00	35.02 0.31 0.00
CHAUTAUQUA___LFGE 323629	36.14 0.46 0.00	33.99 0.44 0.00	33.58 0.37 0.00	32.57 0.48 0.00	33.60 0.37 0.00	35.74 0.97 0.00	45.25 2.03 0.00	57.37 1.35 -3.91	53.34 2.00 -3.75	42.11 1.36 -2.97	41.33 1.66 -2.89	36.63 1.00 0.00	36.19 1.02 0.00	36.44 0.54 0.00	35.39 0.14 0.00	36.47 -0.33 0.00	40.53 -0.79 0.00	52.34 -2.12 0.00	68.23 -1.39 0.00	68.33 -1.04 0.00	50.80 -0.77 0.00	42.15 -0.51 0.00	38.92 0.54 0.00	35.82 1.11 0.00
CHERRYST_13_KV_LD 356241	37.50 1.82 0.00	35.26 1.71 0.00	34.77 1.56 0.00	33.60 1.51 0.00	34.82 1.60 0.00	36.61 1.84 0.00	46.07 2.85 0.00	55.92 3.80 0.00	50.88 3.28 0.00	40.86 3.06 -0.01	39.93 3.13 -0.01	38.78 3.14 -0.01	38.33 3.09 -0.07	38.75 2.84 -0.01	38.07 2.75 -0.07	39.61 2.80 -0.01	44.34 3.02 -0.01	57.84 3.38 0.00	73.59 3.97 0.00	73.18 3.82 0.00	54.30 2.73 0.00	44.88 2.22 0.00	40.35 1.96 0.00	36.65 1.84 -0.10



CHESTROR_138KV_BK263 355645	36.96 1.28 0.00	34.76 1.21 0.00	34.31 1.10 0.00	33.18 1.09 0.00	34.39 1.16 0.00	36.09 1.32 0.00	45.47 2.25 0.00	55.08 2.97 0.00	50.07 2.48 0.00	39.94 2.15 0.00	39.03 2.24 0.00	37.88 2.24 0.00	37.35 2.18 0.00	37.80 1.90 0.00	37.08 1.83 0.00	38.64 1.84 0.00	43.38 2.07 0.00	56.91 2.45 0.00	72.68 3.06 0.00	72.42 3.05 0.00	53.63 2.06 0.00	44.32 1.66 0.00	39.81 1.42 0.00	36.10 1.32 -0.08
CH_MIDHUDSON___DRP 24192	36.96 1.28 0.00	34.76 1.21 0.00	34.31 1.10 0.00	33.18 1.09 0.00	34.36 1.13 0.00	36.02 1.25 0.00	45.34 2.12 0.00	54.87 2.76 0.00	49.88 2.28 0.00	39.87 2.08 0.00	38.88 2.10 0.00	37.77 2.14 0.00	37.24 2.07 0.00	37.73 1.83 0.00	37.05 1.80 0.00	38.64 1.84 0.00	43.34 2.02 0.00	56.81 2.34 0.00	72.47 2.85 0.00	72.07 2.71 0.00	53.58 2.01 0.00	44.28 1.62 0.00	39.73 1.34 0.00	36.04 1.25 -0.08
CH_MISC_IPPS 23765	37.18 1.50 0.00	34.96 1.41 0.00	34.50 1.29 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.29 3.18 0.00	50.26 2.66 0.00	40.09 2.31 0.00	39.03 2.24 0.00	37.99 2.35 0.00	37.45 2.28 0.00	37.91 2.01 0.00	37.22 1.97 0.00	38.83 2.02 0.00	43.67 2.35 0.00	57.29 2.83 0.00	72.96 3.34 0.00	72.69 3.33 0.00	54.00 2.42 0.00	44.58 1.92 0.00	40.00 1.61 0.00	36.19 1.39 -0.09
CH_RES_BVR_FALLS 23983	35.47 -0.21 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.80 -0.29 0.00	32.90 -0.33 0.00	34.42 -0.35 0.00	42.53 -0.69 0.00	51.23 -0.89 0.00	46.83 -0.76 0.00	37.22 -0.57 0.00	36.24 -0.55 0.00	35.14 -0.50 0.00	34.67 -0.49 0.00	35.54 -0.36 0.00	34.93 -0.32 0.00	36.47 -0.33 0.00	41.03 -0.29 0.00	54.19 -0.27 0.00	69.34 -0.28 0.00	69.02 -0.35 0.00	51.21 -0.36 0.00	42.32 -0.34 0.00	38.04 -0.35 0.00	34.36 -0.35 0.00
CH_RES_NIAGARA 23895	35.68 0.00 0.00	33.55 0.00 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	34.98 0.21 0.00	43.05 -0.17 0.00	55.01 -1.62 -4.51	51.59 -0.33 -4.32	40.91 -0.30 -3.42	39.75 -0.37 -3.33	35.53 -0.11 0.00	35.06 -0.11 0.00	35.36 -0.54 0.00	34.47 -0.78 0.00	35.52 -1.29 0.00	39.25 -2.07 0.00	50.43 -4.03 0.00	64.95 -4.66 0.00	65.00 -4.37 0.00	48.73 -2.84 0.00	40.48 -2.18 0.00	37.93 -0.46 0.00	34.81 0.10 0.00
CH_RES_SYRACUSE 23985	35.47 -0.21 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.87 -0.22 0.00	32.96 -0.27 0.00	34.63 -0.14 0.00	43.35 0.13 0.00	55.90 0.16 -3.64	51.32 0.24 -3.48	40.67 0.11 -2.76	39.62 0.15 -2.69	35.67 0.04 0.00	35.17 0.00 0.00	35.69 -0.21 0.00	34.93 -0.32 0.00	36.44 -0.37 0.00	40.90 -0.41 0.00	53.87 -0.60 0.00	69.13 -0.48 0.00	68.95 -0.41 0.00	51.26 -0.31 0.00	42.36 -0.30 0.00	38.27 -0.11 0.00	34.64 -0.07 0.00
CLINTON_WT_PWR 323605	35.71 0.04 0.00	33.69 0.13 0.00	33.34 0.13 0.00	32.22 0.13 0.00	33.40 0.17 0.00	35.01 0.25 0.00	42.96 -0.26 0.00	51.38 -0.73 0.00	47.12 -0.48 0.00	37.48 -0.30 0.00	36.45 -0.33 0.00	35.28 -0.36 0.00	34.75 -0.42 0.00	35.76 -0.14 0.00	35.21 -0.04 0.00	36.80 0.00 0.00	41.40 0.08 0.00	54.68 0.22 0.00	70.04 0.42 0.00	69.99 0.62 0.00	51.78 0.21 0.00	43.00 0.34 0.00	38.62 0.23 0.00	34.92 0.21 0.00
CLINTON___LFGE 323618	36.04 0.36 0.00	33.99 0.44 0.00	33.64 0.43 0.00	32.54 0.45 0.00	33.73 0.50 0.00	35.46 0.70 0.00	43.56 0.34 0.00	51.80 -0.31 0.00	47.55 -0.05 0.00	37.98 0.19 0.00	36.90 0.11 0.00	35.71 0.07 0.00	35.10 -0.07 0.00	35.97 0.07 0.00	35.43 0.18 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.23 0.76 0.00	70.94 1.32 0.00	70.96 1.60 0.00	52.35 0.77 0.00	43.60 0.94 0.00	39.12 0.73 0.00	35.33 0.63 0.00
COBBLENY_34_KV_TB1 80064	35.79 0.11 0.00	33.68 0.13 0.00	33.28 0.07 0.00	32.25 0.16 0.00	33.26 0.03 0.00	35.15 0.38 0.00	44.13 0.91 0.00	56.66 0.68 -3.87	52.97 1.67 -3.71	41.89 1.17 -2.94	40.71 1.07 -2.86	36.24 0.61 0.00	35.73 0.56 0.00	36.01 0.11 0.00	35.07 -0.18 0.00	36.18 -0.63 0.00	40.16 -1.16 0.00	52.01 -2.45 0.00	67.25 -2.37 0.00	67.28 -2.08 0.00	50.13 -1.44 0.00	41.51 -1.15 0.00	38.62 0.23 0.00	34.98 0.28 0.00
COFFEEN___115KV_TB3 355620	36.75 1.07 0.00	34.66 1.11 0.00	34.17 0.96 0.00	32.70 0.61 0.00	33.99 0.76 0.00	35.88 1.11 0.00	44.69 1.47 0.00	58.53 2.19 -4.23	53.41 1.76 -4.06	41.35 0.34 -3.22	40.29 0.37 -3.13	35.88 0.25 0.00	35.38 0.21 0.00	35.76 -0.14 0.00	35.04 -0.21 0.00	36.77 -0.04 0.00	41.56 0.25 0.00	55.33 0.87 0.00	71.84 2.23 0.00	72.35 2.98 0.00	53.58 2.01 0.00	44.32 1.66 0.00	39.69 1.31 0.00	35.71 1.01 0.00
COLDSPRG_115KV_BK1 355956	36.21 0.54 0.00	34.02 0.47 0.00	33.68 0.46 0.00	32.67 0.58 0.00	33.70 0.47 0.00	35.71 0.94 0.00	45.16 1.94 0.00	58.62 2.92 -3.59	54.56 3.52 -3.44	43.05 2.53 -2.73	41.91 2.46 -2.66	36.88 1.25 0.00	36.40 1.23 0.00	36.62 0.72 0.00	35.50 0.25 0.00	36.55 -0.26 0.00	40.74 -0.58 0.00	53.16 -1.31 0.00	69.06 -0.56 0.00	69.23 -0.14 0.00	51.16 -0.41 0.00	42.32 -0.34 0.00	39.08 0.69 0.00	35.33 0.62 0.00
COLONIE_LFGE___ 323577	36.50 0.82 0.00	34.29 0.74 0.00	33.94 0.73 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.60 0.83 0.00	44.73 1.51 0.00	54.14 2.03 0.00	49.07 1.48 0.00	39.11 1.32 0.00	37.96 1.18 0.00	36.85 1.21 0.00	36.32 1.16 0.00	36.87 0.97 0.00	36.16 0.91 0.00	37.87 1.07 0.00	42.51 1.20 0.00	56.21 1.74 0.00	71.70 2.09 0.00	71.24 1.87 0.00	53.07 1.50 0.00	43.81 1.15 0.00	39.23 0.84 0.00	35.31 0.66 0.06
COOPERNY_115KV_TB1 80082	36.82 1.14 0.00	34.62 1.07 0.00	34.21 1.00 0.00	33.09 0.99 0.00	34.26 1.03 0.00	35.95 1.18 0.00	45.29 2.07 0.00	54.82 2.71 0.00	49.88 2.28 0.00	39.72 1.93 0.00	38.81 2.02 0.00	37.63 2.00 0.00	37.10 1.93 0.00	37.55 1.65 0.00	36.80 1.55 0.00	38.39 1.58 0.00	43.09 1.78 0.00	56.59 2.12 0.00	72.26 2.65 0.00	72.07 2.71 0.00	53.43 1.86 0.00	44.11 1.45 0.00	39.65 1.27 0.00	35.91 1.15 -0.06
COPENHAGEN_WT_PWR 323753	36.46 0.78 0.00	34.35 0.80 0.00	33.91 0.70 0.00	32.48 0.39 0.00	33.73 0.50 0.00	35.57 0.80 0.00	44.34 1.12 0.00	58.17 1.62 -4.44	53.19 1.33 -4.26	41.36 0.19 -3.38	40.30 0.22 -3.29	35.71 0.07 0.00	35.20 0.04 0.00	35.65 -0.25 0.00	34.93 -0.32 0.00	36.62 -0.18 0.00	41.31 0.00 0.00	54.90 0.43 0.00	71.15 1.53 0.00	71.52 2.15 0.00	52.96 1.39 0.00	43.81 1.15 0.00	39.35 0.96 0.00	35.47 0.76 0.00
CORNELL_____ 23752	36.21 0.54 0.00	34.02 0.47 0.00	33.64 0.43 0.00	32.51 0.42 0.00	33.66 0.43 0.00	35.39 0.63 0.00	44.52 1.30 0.00	53.83 1.72 0.00	49.22 1.62 0.00	38.77 0.98 0.00	37.67 0.88 0.00	36.28 0.64 0.00	35.73 0.56 0.00	36.15 0.25 0.00	35.39 0.14 0.00	36.91 0.11 0.00	41.56 0.25 0.00	54.95 0.49 0.00	70.87 1.25 0.00	70.75 1.39 0.00	52.50 0.93 0.00	43.30 0.64 0.00	39.12 0.73 0.00	35.33 0.62 0.00



CORONA__69_KV_TB1 355595	38.03 2.35 0.00	35.83 2.28 0.00	35.20 1.99 0.00	34.05 1.96 0.00	35.36 2.13 0.00	38.00 2.43 -0.80	46.42 3.20 0.00	55.19 3.07 0.00	50.07 2.48 0.00	41.04 3.25 0.00	40.15 3.35 -0.02	38.97 3.31 -0.02	38.43 3.24 -0.03	40.36 2.94 -1.52	41.30 2.82 -3.23	41.11 2.87 -1.44	44.00 2.69 0.00	57.30 2.83 0.00	72.29 2.78 0.11	72.07 2.71 0.00	53.79 2.22 0.00	44.75 2.09 0.00	40.69 2.30 0.00	37.17 2.36 -0.10
CORTLAND__115KV_TB3 80093	35.96 0.29 0.00	33.75 0.20 0.00	33.41 0.20 0.00	32.28 0.19 0.00	33.43 0.20 0.00	35.11 0.35 0.00	44.08 0.86 0.00	53.31 1.20 0.00	48.79 1.19 0.00	38.51 0.72 0.00	37.45 0.66 0.00	36.13 0.50 0.00	35.62 0.46 0.00	36.08 0.18 0.00	35.28 0.04 0.00	36.80 0.00 0.00	41.40 0.08 0.00	54.63 0.16 0.00	70.24 0.63 0.00	70.06 0.69 0.00	52.03 0.46 0.00	42.96 0.30 0.00	38.77 0.38 0.00	35.05 0.35 0.00
COXSACKIE__GT 23611	36.93 1.25 0.00	34.76 1.21 0.00	34.37 1.16 0.00	33.25 1.15 0.00	34.42 1.19 0.00	36.23 1.46 0.00	45.73 2.51 0.00	55.45 3.34 0.00	50.07 2.47 0.00	39.15 1.36 0.00	37.74 0.95 0.00	36.60 0.96 0.00	36.01 0.84 0.00	36.51 0.61 0.00	35.95 0.70 0.00	37.72 0.92 0.00	42.47 1.16 0.00	56.64 2.18 0.00	72.75 3.14 0.00	72.49 3.12 0.00	53.84 2.27 0.00	44.28 1.62 0.00	39.62 1.23 0.00	35.77 1.08 0.01
CPV__VALLEY__CC1 323721	36.89 1.21 0.00	34.66 1.11 0.00	34.24 1.03 0.00	33.12 1.03 0.00	34.32 1.09 0.00	35.98 1.22 0.00	45.29 2.07 0.00	54.92 2.81 0.00	49.98 2.38 0.00	39.86 2.08 0.00	38.88 2.10 0.00	37.81 2.17 0.00	37.28 2.11 0.00	37.73 1.83 0.00	37.01 1.76 0.00	38.57 1.77 0.00	43.30 1.98 0.00	56.86 2.39 0.00	72.40 2.79 0.00	72.14 2.78 0.00	53.53 1.96 0.00	44.24 1.58 0.00	39.73 1.34 0.00	35.92 1.14 -0.07
CPV__VALLEY__CC2 323722	36.89 1.21 0.00	34.66 1.11 0.00	34.24 1.03 0.00	33.12 1.03 0.00	34.32 1.09 0.00	35.98 1.22 0.00	45.29 2.07 0.00	54.92 2.81 0.00	49.98 2.38 0.00	39.86 2.08 0.00	38.88 2.10 0.00	37.81 2.17 0.00	37.28 2.11 0.00	37.73 1.83 0.00	37.01 1.76 0.00	38.57 1.77 0.00	43.30 1.98 0.00	56.86 2.39 0.00	72.40 2.79 0.00	72.14 2.78 0.00	53.53 1.96 0.00	44.24 1.58 0.00	39.73 1.34 0.00	35.92 1.14 -0.07
CRESCENT__HYD 24018	36.50 0.82 0.00	34.29 0.74 0.00	33.94 0.73 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.60 0.83 0.00	44.73 1.51 0.00	54.14 2.03 0.00	49.07 1.48 0.00	39.11 1.32 0.00	37.96 1.18 0.00	36.85 1.21 0.00	36.32 1.16 0.00	36.87 0.97 0.00	36.16 0.91 0.00	37.87 1.07 0.00	42.51 1.20 0.00	56.21 1.74 0.00	71.70 2.09 0.00	71.24 1.87 0.00	53.07 1.50 0.00	43.81 1.15 0.00	39.23 0.84 0.00	35.31 0.66 0.06
CRICKET__VALLEY_CC1 323756	36.46 0.78 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.73 0.64 0.00	33.93 0.70 0.00	35.50 0.73 0.00	44.56 1.34 0.00	54.09 1.98 0.00	49.02 1.43 0.00	39.34 1.55 0.00	38.30 1.51 0.00	37.27 1.64 0.00	36.75 1.58 0.00	37.23 1.33 0.00	36.55 1.30 0.00	38.17 1.36 0.00	42.80 1.49 0.00	56.15 1.69 0.00	71.36 1.74 0.00	70.89 1.52 0.00	52.81 1.24 0.00	43.68 1.02 0.00	39.15 0.77 0.00	34.63 0.52 0.60
CRICKET__VALLEY_CC2 323757	36.46 0.78 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.73 0.64 0.00	33.93 0.70 0.00	35.50 0.73 0.00	44.56 1.34 0.00	54.09 1.98 0.00	49.02 1.43 0.00	39.34 1.55 0.00	38.30 1.51 0.00	37.27 1.64 0.00	36.75 1.58 0.00	37.23 1.33 0.00	36.55 1.30 0.00	38.17 1.36 0.00	42.80 1.49 0.00	56.15 1.69 0.00	71.36 1.74 0.00	70.89 1.52 0.00	52.81 1.24 0.00	43.68 1.02 0.00	39.15 0.77 0.00	34.63 0.52 0.60
CRICKET__VALLEY_CC3 323758	36.46 0.78 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.73 0.64 0.00	33.93 0.70 0.00	35.50 0.73 0.00	44.56 1.34 0.00	54.09 1.98 0.00	49.02 1.43 0.00	39.34 1.55 0.00	38.30 1.51 0.00	37.27 1.64 0.00	36.75 1.58 0.00	37.23 1.33 0.00	36.55 1.30 0.00	38.17 1.36 0.00	42.80 1.49 0.00	56.15 1.69 0.00	71.36 1.74 0.00	70.89 1.52 0.00	52.81 1.24 0.00	43.68 1.02 0.00	39.15 0.77 0.00	34.63 0.52 0.60
CRUCIBLE__METL_DRP 24180	35.46 -0.21 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.87 -0.22 0.00	32.96 -0.27 0.00	34.59 -0.17 0.00	43.26 0.04 0.00	55.90 0.16 -3.64	51.32 0.24 -3.48	40.66 0.11 -2.76	39.55 0.07 -2.69	35.67 0.04 0.00	35.17 0.00 0.00	35.69 -0.22 0.00	34.93 -0.32 0.00	36.44 -0.37 0.00	40.90 -0.41 0.00	53.92 -0.54 0.00	69.13 -0.49 0.00	68.95 -0.42 0.00	51.26 -0.31 0.00	42.36 -0.30 0.00	38.23 -0.15 0.00	34.57 -0.14 0.00
DAHOWA__HYDRO 323763	36.68 1.00 0.00	34.49 0.94 0.00	34.14 0.93 0.00	33.05 0.96 0.00	34.23 1.00 0.00	35.78 1.01 0.00	44.99 1.77 0.00	54.40 2.29 0.00	49.26 1.67 0.00	39.00 1.21 0.00	37.71 0.92 0.00	36.63 1.00 0.00	36.05 0.88 0.00	36.58 0.68 0.00	35.81 0.56 0.00	37.65 0.85 0.00	42.35 1.03 0.00	56.21 1.74 0.00	72.05 2.44 0.00	71.73 2.36 0.00	53.33 1.75 0.00	44.02 1.36 0.00	39.38 1.00 0.00	35.42 0.76 0.04
DANC__LFGE 323619	35.93 0.25 0.00	33.82 0.27 0.00	33.41 0.20 0.00	32.09 0.00 0.00	33.30 0.07 0.00	35.08 0.31 0.00	43.70 0.48 0.00	58.45 0.73 -5.61	53.59 0.62 -5.37	41.98 -0.08 -4.26	40.86 -0.07 -4.15	35.49 -0.14 0.00	34.99 -0.17 0.00	35.47 -0.43 0.00	34.76 -0.49 0.00	36.36 -0.44 0.00	40.90 -0.41 0.00	54.14 -0.32 0.00	69.90 0.28 0.00	70.13 0.76 0.00	51.98 0.41 0.00	43.09 0.43 0.00	38.77 0.38 0.00	35.02 0.31 0.00
DANSKAMMER__1 23586	37.18 1.50 0.00	34.96 1.41 0.00	34.50 1.29 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.29 3.18 0.00	50.26 2.66 0.00	40.09 2.31 0.00	39.03 2.24 0.00	37.99 2.35 0.00	37.45 2.28 0.00	37.91 2.01 0.00	37.22 1.97 0.00	38.83 2.02 0.00	43.67 2.35 0.00	57.29 2.83 0.00	72.96 3.34 0.00	72.69 3.33 0.00	54.00 2.42 0.00	44.58 1.92 0.00	40.00 1.61 0.00	36.19 1.39 -0.09
DANSKAMMER__2 23589	37.18 1.50 0.00	34.96 1.41 0.00	34.50 1.29 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.29 3.18 0.00	50.26 2.66 0.00	40.09 2.31 0.00	39.03 2.24 0.00	37.99 2.35 0.00	37.45 2.28 0.00	37.91 2.01 0.00	37.22 1.97 0.00	38.83 2.02 0.00	43.67 2.35 0.00	57.29 2.83 0.00	72.96 3.34 0.00	72.69 3.33 0.00	54.00 2.42 0.00	44.58 1.92 0.00	40.00 1.61 0.00	36.19 1.39 -0.09
DANSKAMMER__3 23590	37.18 1.50 0.00	34.96 1.41 0.00	34.50 1.29 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.29 3.18 0.00	50.26 2.66 0.00	40.09 2.31 0.00	39.03 2.24 0.00	37.99 2.35 0.00	37.45 2.28 0.00	37.91 2.01 0.00	37.22 1.97 0.00	38.83 2.02 0.00	43.67 2.35 0.00	57.29 2.83 0.00	72.96 3.34 0.00	72.69 3.33 0.00	54.00 2.42 0.00	44.58 1.92 0.00	40.00 1.61 0.00	36.19 1.39 -0.09



DANSKAMMER___4 23591	37.18 1.50 0.00	34.96 1.41 0.00	34.50 1.29 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.29 3.18 0.00	50.26 2.66 0.00	40.09 2.31 0.00	39.03 2.24 0.00	37.99 2.35 0.00	37.45 2.28 0.00	37.91 2.01 0.00	37.22 1.97 0.00	38.83 2.02 0.00	43.67 2.35 0.00	57.29 2.83 0.00	72.96 3.34 0.00	72.69 3.33 0.00	54.00 2.42 0.00	44.58 1.92 0.00	40.00 1.61 0.00	36.19 1.39 -0.09
DANSKAMMER___DIESEL 23592	37.18 1.50 0.00	34.96 1.41 0.00	34.51 1.30 0.00	33.38 1.28 0.00	34.56 1.33 0.00	36.23 1.46 0.00	45.64 2.42 0.00	55.29 3.18 0.00	50.21 2.62 0.00	40.06 2.27 0.00	39.10 2.32 0.00	37.99 2.35 0.00	37.42 2.25 0.00	37.91 2.01 0.00	37.19 1.94 0.00	38.83 2.02 0.00	43.59 2.27 0.00	57.19 2.72 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.58 1.92 0.00	40.00 1.61 0.00	36.29 1.49 -0.09
DARBY___SOLAR 323810	36.60 0.93 0.00	34.42 0.87 0.00	34.07 0.86 0.00	32.99 0.90 0.00	34.16 0.93 0.00	35.71 0.94 0.00	44.90 1.68 0.00	54.30 2.19 0.00	49.17 1.57 0.00	38.96 1.17 0.00	37.71 0.92 0.00	36.60 0.96 0.00	36.05 0.88 0.00	36.58 0.68 0.00	35.81 0.56 0.00	37.61 0.81 0.00	42.30 0.99 0.00	56.15 1.69 0.00	71.91 2.29 0.00	71.52 2.15 0.00	53.22 1.65 0.00	43.94 1.28 0.00	39.35 0.96 0.00	35.39 0.73 0.05
DASHVILLE___HYD 23610	36.86 1.18 0.00	34.66 1.11 0.00	34.21 1.00 0.00	33.09 0.99 0.00	34.26 1.03 0.00	35.88 1.11 0.00	45.16 1.94 0.00	54.66 2.55 0.00	49.55 1.95 0.00	39.53 1.74 0.00	38.55 1.77 0.00	37.45 1.82 0.00	36.89 1.72 0.00	37.41 1.51 0.00	36.73 1.48 0.00	38.31 1.51 0.00	43.13 1.82 0.00	56.53 2.07 0.00	72.12 2.51 0.00	71.86 2.50 0.00	53.32 1.75 0.00	44.11 1.45 0.00	39.58 1.19 0.00	36.16 1.39 -0.06
DELAWARE___LFGE 323621	36.36 0.68 0.00	34.19 0.64 0.00	33.91 0.70 0.00	32.77 0.67 0.00	33.96 0.73 0.00	35.57 0.80 0.00	44.65 1.43 0.00	53.21 1.98 0.88	48.42 1.67 0.84	38.33 1.21 0.67	37.35 1.21 0.65	36.77 1.14 0.00	36.26 1.09 0.00	36.69 0.79 0.00	35.95 0.70 0.00	37.50 0.70 0.00	42.14 0.83 0.00	55.55 1.09 0.00	71.08 1.46 0.00	70.89 1.53 0.00	52.71 1.13 0.00	43.55 0.90 0.00	39.19 0.81 0.00	35.45 0.73 -0.01
DERFIELD_115KV_TB7 355931	35.79 0.11 0.00	33.65 0.10 0.00	33.31 0.10 0.00	32.19 0.10 0.00	33.33 0.10 0.00	34.87 0.10 0.00	43.52 0.30 0.00	52.53 0.42 0.00	47.93 0.33 0.00	38.01 0.23 0.00	37.04 0.26 0.00	35.88 0.25 0.00	35.41 0.25 0.00	36.04 0.14 0.00	35.35 0.11 0.00	36.91 0.11 0.00	41.44 0.12 0.00	54.63 0.16 0.00	69.90 0.28 0.00	69.64 0.28 0.00	51.78 0.21 0.00	42.79 0.13 0.00	38.46 0.08 0.00	34.78 0.07 0.00
DOGLEVILLE___HYD 23807	37.96 2.28 0.00	35.70 2.15 0.00	35.30 2.09 0.00	34.05 1.96 0.00	35.26 2.03 0.00	36.92 2.16 0.00	46.07 2.85 0.00	55.60 3.49 0.00	50.83 3.24 0.00	40.17 2.38 0.00	39.18 2.39 0.00	37.92 2.28 0.00	37.38 2.22 0.00	37.91 2.01 0.00	37.12 1.87 0.00	38.75 1.95 0.00	43.55 2.23 0.00	57.35 2.89 0.00	73.59 3.97 0.00	73.53 4.16 0.00	54.61 3.04 0.00	45.18 2.52 0.00	40.69 2.30 0.00	36.79 2.08 0.00
DUNKIRK__115KV_TB_200 55889	36.11 0.43 0.00	33.92 0.37 0.00	33.54 0.33 0.00	32.54 0.45 0.00	33.56 0.33 0.00	35.50 0.73 0.00	44.65 1.43 0.00	57.08 1.04 -3.92	53.21 1.86 -3.76	42.05 1.28 -2.98	40.93 1.25 -2.90	36.60 0.96 0.00	36.12 0.95 0.00	36.37 0.47 0.00	35.32 0.07 0.00	36.40 -0.40 0.00	40.45 -0.87 0.00	52.50 -1.96 0.00	68.09 -1.53 0.00	68.19 -1.18 0.00	50.64 -0.93 0.00	41.93 -0.73 0.00	38.89 0.50 0.00	35.19 0.49 0.00
DUNKIRK___1 23563	36.11 0.43 0.00	33.92 0.37 0.00	33.54 0.33 0.00	32.54 0.45 0.00	33.56 0.33 0.00	35.50 0.73 0.00	44.65 1.43 0.00	57.08 1.04 -3.92	53.21 1.86 -3.76	42.05 1.28 -2.98	40.93 1.25 -2.90	36.60 0.96 0.00	36.12 0.95 0.00	36.37 0.47 0.00	35.32 0.07 0.00	36.40 -0.40 0.00	40.45 -0.87 0.00	52.50 -1.96 0.00	68.09 -1.53 0.00	68.19 -1.18 0.00	50.64 -0.93 0.00	41.93 -0.73 0.00	38.89 0.50 0.00	35.19 0.49 0.00
DUNKIRK___2 23564	36.11 0.43 0.00	33.92 0.37 0.00	33.54 0.33 0.00	32.54 0.45 0.00	33.56 0.33 0.00	35.50 0.73 0.00	44.65 1.43 0.00	57.08 1.04 -3.92	53.21 1.86 -3.76	42.05 1.28 -2.98	40.93 1.25 -2.90	36.60 0.96 0.00	36.12 0.95 0.00	36.37 0.47 0.00	35.32 0.07 0.00	36.40 -0.40 0.00	40.45 -0.87 0.00	52.50 -1.96 0.00	68.09 -1.53 0.00	68.19 -1.18 0.00	50.64 -0.93 0.00	41.93 -0.73 0.00	38.89 0.50 0.00	35.19 0.49 0.00
DUNKIRK___3 23565	35.89 0.21 0.00	33.75 0.20 0.00	33.38 0.17 0.00	32.35 0.26 0.00	33.36 0.13 0.00	35.29 0.52 0.00	44.34 1.12 0.00	56.85 0.78 -3.96	53.10 1.71 -3.79	41.96 1.17 -3.00	40.85 1.14 -2.92	36.38 0.75 0.00	35.90 0.74 0.00	36.15 0.25 0.00	35.14 -0.11 0.00	36.21 -0.59 0.00	40.24 -1.07 0.00	52.23 -2.23 0.00	67.67 -1.95 0.00	67.70 -1.66 0.00	50.33 -1.24 0.00	41.68 -0.98 0.00	38.66 0.27 0.00	35.02 0.31 0.00
DUNKIRK___4 23566	35.89 0.21 0.00	33.75 0.20 0.00	33.38 0.17 0.00	32.35 0.26 0.00	33.36 0.13 0.00	35.29 0.52 0.00	44.34 1.12 0.00	56.85 0.78 -3.96	53.10 1.71 -3.79	41.96 1.17 -3.00	40.85 1.14 -2.92	36.38 0.75 0.00	35.90 0.74 0.00	36.15 0.25 0.00	35.14 -0.11 0.00	36.21 -0.59 0.00	40.24 -1.07 0.00	52.23 -2.23 0.00	67.67 -1.95 0.00	67.70 -1.66 0.00	50.33 -1.24 0.00	41.68 -0.98 0.00	38.66 0.27 0.00	35.02 0.31 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	37.21 1.53 0.00	34.99 1.44 0.00	34.54 1.33 0.00	33.38 1.28 0.00	34.59 1.36 0.00	36.33 1.56 0.00	45.73 2.51 0.00	55.39 3.28 0.00	50.31 2.71 0.00	40.40 2.61 0.00	39.47 2.69 0.00	38.34 2.71 0.00	37.84 2.67 0.00	38.31 2.41 0.00	37.58 2.33 0.00	39.16 2.36 0.00	43.88 2.56 0.00	57.30 2.83 0.00	72.96 3.34 0.00	72.63 3.26 0.00	53.89 2.32 0.00	44.58 1.92 0.00	40.08 1.69 0.00	36.40 1.60 -0.10
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	37.11 1.43 0.00	34.89 1.34 0.00	34.44 1.23 0.00	33.28 1.19 0.00	34.49 1.26 0.00	36.19 1.43 0.00	45.60 2.38 0.00	55.24 3.13 0.00	50.21 2.62 0.00	40.02 2.23 0.00	39.10 2.32 0.00	37.95 2.32 0.00	37.42 2.25 0.00	37.91 2.01 0.00	37.19 1.94 0.00	38.75 1.95 0.00	43.55 2.23 0.00	57.13 2.67 0.00	72.96 3.34 0.00	72.63 3.26 0.00	53.84 2.27 0.00	44.49 1.83 0.00	39.92 1.54 0.00	36.21 1.42 -0.08
E179THST_138_KV_TB4_REV_LBMP_J 345001	37.68 2.00 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.64 1.88 0.00	45.73 2.51 0.00	55.76 3.65 0.00	50.60 3.00 0.00	40.56 2.76 -0.01	39.60 2.80 -0.02	38.47 2.82 -0.02	37.92 2.74 -0.01	38.43 2.51 -0.02	37.66 2.40 -0.01	39.29 2.47 -0.02	43.93 2.60 -0.02	57.19 2.72 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.11 0.00	44.49 1.83 0.00	40.23 1.84 0.00	36.65 1.84 -0.11



E179THST_13_KV_LOAD 356214	37.82 2.14 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.00 1.76 -0.01	36.78 2.02 0.00	45.90 2.68 0.00	56.02 3.91 0.00	50.79 3.19 0.00	40.71 2.91 -0.01	39.75 2.94 -0.02	38.64 2.99 -0.02	38.06 2.88 -0.01	38.57 2.66 -0.02	37.83 2.57 -0.01	39.47 2.65 -0.02	44.14 2.81 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.00 0.00	40.42 2.03 0.00	36.79 1.98 -0.11
EAST HAMPTON___GT 23717	37.46 1.78 0.00	35.26 1.71 0.00	34.77 1.56 0.00	33.79 1.70 0.00	35.26 2.03 0.00	38.38 2.81 -0.80	46.24 3.02 0.00	54.56 2.45 0.00	49.12 1.52 0.00	40.54 2.76 0.00	39.59 2.79 -0.01	38.53 2.89 -0.01	37.71 2.53 -0.01	38.97 2.23 -0.84	39.08 2.04 -1.78	39.58 1.99 -0.79	42.63 1.32 0.00	55.28 0.82 0.00	68.18 -0.76 0.67	68.95 -0.41 0.00	51.62 0.05 0.00	43.13 0.47 0.00	39.58 1.19 0.00	36.26 1.46 -0.10
EAST RIVER___6 23660	37.43 1.75 0.00	35.19 1.64 0.00	34.71 1.50 0.00	33.54 1.45 0.00	34.76 1.53 0.00	36.44 1.67 0.00	45.90 2.68 0.00	55.81 3.70 0.00	50.88 3.28 0.00	40.85 3.06 -0.01	39.85 3.05 -0.01	38.82 3.17 -0.01	38.36 3.13 -0.07	38.75 2.84 -0.01	38.10 2.78 -0.07	39.65 2.83 -0.01	44.43 3.10 -0.01	58.06 3.59 0.00	73.44 3.83 0.00	73.04 3.67 0.00	54.30 2.73 0.00	44.88 2.22 0.00	40.34 1.96 0.00	36.47 1.67 -0.10
EAST RIVER___7 23524	37.43 1.75 0.00	35.19 1.64 0.00	34.71 1.50 0.00	33.54 1.45 0.00	34.76 1.53 0.00	36.44 1.67 0.00	45.90 2.68 0.00	55.81 3.70 0.00	50.88 3.28 0.00	40.85 3.06 -0.01	39.85 3.05 -0.01	38.82 3.17 -0.01	38.36 3.13 -0.07	38.75 2.84 -0.01	38.10 2.78 -0.07	39.65 2.83 -0.01	44.43 3.10 -0.01	58.06 3.59 0.00	73.44 3.83 0.00	73.04 3.67 0.00	54.30 2.73 0.00	44.88 2.22 0.00	40.34 1.96 0.00	36.47 1.67 -0.10
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	37.14 1.46 0.00	34.93 1.38 0.00	34.47 1.26 0.00	33.31 1.22 0.00	34.53 1.30 0.00	36.26 1.49 0.00	45.64 2.42 0.00	55.29 3.18 0.00	50.21 2.62 0.00	40.28 2.49 0.00	39.36 2.58 0.00	38.24 2.60 0.00	37.70 2.53 0.00	38.20 2.30 0.00	37.47 2.22 0.00	39.05 2.25 0.00	43.75 2.44 0.00	57.19 2.72 0.00	72.82 3.20 0.00	72.49 3.12 0.00	53.84 2.27 0.00	44.49 1.83 0.00	40.00 1.61 0.00	36.33 1.53 -0.09
EAST_HAMPTON___DIESEL 23722	37.39 1.71 0.00	35.23 1.68 0.00	34.71 1.50 0.00	33.76 1.67 0.00	35.22 1.99 0.00	38.35 2.78 -0.80	46.20 2.98 0.00	54.51 2.40 0.00	49.02 1.43 0.00	40.47 2.68 0.00	39.56 2.76 -0.01	38.46 2.81 -0.01	37.68 2.50 -0.01	38.89 2.15 -0.84	39.00 1.97 -1.78	39.47 1.88 -0.79	42.51 1.20 0.00	55.12 0.66 0.00	68.04 -0.91 0.67	68.74 -0.63 0.00	51.47 -0.10 0.00	43.00 0.34 0.00	39.46 1.07 0.00	36.20 1.39 -0.10
EAST_POINT___SOLAR 323840	36.32 0.64 0.00	34.15 0.60 0.00	33.84 0.63 0.00	32.70 0.61 0.00	33.96 0.73 0.00	35.64 0.87 0.00	44.95 1.73 0.00	54.04 1.93 0.00	48.26 0.67 0.00	37.30 -0.49 0.00	35.50 -1.29 0.00	34.46 -1.18 0.00	33.87 -1.30 0.00	34.29 -1.61 0.00	33.41 -1.83 0.00	34.96 -1.84 0.00	39.50 -1.82 0.00	54.46 0.00 0.00	71.56 1.95 0.00	71.44 2.08 0.00	53.01 1.44 0.00	43.85 1.19 0.00	39.15 0.77 0.00	35.24 0.55 0.02
EAST_PULASKI___ESR 323781	35.43 -0.25 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.77 -0.32 0.00	32.90 -0.33 0.00	34.59 -0.17 0.00	43.05 -0.17 0.00	59.50 -0.16 -7.55	54.74 -0.10 -7.24	43.15 -0.38 -5.74	42.04 -0.33 -5.59	35.24 -0.39 0.00	34.75 -0.42 0.00	35.26 -0.65 0.00	34.54 -0.70 0.00	36.10 -0.70 0.00	40.53 -0.79 0.00	53.43 -1.04 0.00	68.71 -0.91 0.00	68.67 -0.69 0.00	51.00 -0.57 0.00	42.27 -0.38 0.00	38.23 -0.15 0.00	34.57 -0.14 0.00
EAST_RIVER___1 323558	37.43 1.75 0.00	35.19 1.64 0.00	34.71 1.50 0.00	33.54 1.45 0.00	34.76 1.53 0.00	36.44 1.67 0.00	45.81 2.59 0.00	55.70 3.59 0.00	50.69 3.09 0.00	40.70 2.91 -0.01	39.74 2.94 -0.01	38.67 3.03 -0.01	38.22 2.99 -0.07	38.61 2.69 -0.01	37.96 2.65 -0.07	39.50 2.69 -0.01	44.26 2.93 -0.01	57.84 3.38 0.00	73.30 3.69 0.00	72.97 3.60 0.00	54.20 2.63 0.00	44.79 2.13 0.00	40.27 1.88 0.00	36.44 1.63 -0.10
EAST_RIVER___2 323559	37.43 1.75 0.00	35.19 1.64 0.00	34.71 1.50 0.00	33.54 1.45 0.00	34.76 1.53 0.00	36.44 1.67 0.00	45.90 2.68 0.00	55.81 3.70 0.00	50.88 3.28 0.00	40.85 3.06 -0.01	39.85 3.05 -0.01	38.82 3.17 -0.01	38.36 3.13 -0.07	38.75 2.84 -0.01	38.10 2.78 -0.07	39.65 2.83 -0.01	44.43 3.10 -0.01	58.06 3.59 0.00	73.44 3.83 0.00	73.04 3.67 0.00	54.30 2.73 0.00	44.88 2.22 0.00	40.34 1.96 0.00	36.47 1.67 -0.10
EAST___DELAWARE_HYD 23607	37.39 1.71 0.00	35.16 1.61 0.00	34.71 1.50 0.00	33.54 1.45 0.00	34.76 1.53 0.00	36.44 1.67 0.00	45.94 2.72 0.00	55.76 3.65 0.00	50.69 3.09 0.00	40.21 2.42 0.00	39.14 2.36 0.00	38.06 2.42 0.00	37.52 2.36 0.00	37.95 2.05 0.00	37.26 2.01 0.00	38.86 2.06 0.00	43.79 2.48 0.00	57.68 3.21 0.00	73.65 4.04 0.00	73.53 4.16 0.00	54.51 2.94 0.00	44.92 2.26 0.00	40.31 1.92 0.00	36.44 1.67 -0.07
EIGHT_POINT___WT_PWR 323820	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.09 0.00 0.00	33.16 -0.07 0.00	35.25 0.49 0.00	44.64 1.42 0.00	55.33 1.10 -2.12	51.20 1.57 -2.03	40.34 0.95 -1.61	39.35 0.99 -1.57	35.92 0.28 0.00	35.38 0.21 0.00	35.54 -0.36 0.00	34.58 -0.67 0.00	35.74 -1.07 0.00	39.83 -1.49 0.00	52.34 -2.12 0.00	68.43 -1.18 0.00	68.33 -1.04 0.00	50.80 -0.77 0.00	42.06 -0.60 0.00	38.66 0.27 0.00	35.40 0.69 0.00
ELBRIDGE_115KV_TB2 80188	35.32 -0.36 0.00	33.18 -0.37 0.00	32.81 -0.40 0.00	31.74 -0.35 0.00	32.83 -0.40 0.00	34.45 -0.31 0.00	43.13 -0.09 0.00	55.33 -0.05 -3.27	50.78 0.05 -3.13	40.24 -0.04 -2.49	39.13 -0.07 -2.42	35.53 -0.11 0.00	34.99 -0.18 0.00	35.51 -0.39 0.00	34.79 -0.46 0.00	36.25 -0.55 0.00	40.70 -0.62 0.00	53.65 -0.82 0.00	68.85 -0.77 0.00	68.67 -0.69 0.00	51.00 -0.57 0.00	42.15 -0.51 0.00	38.08 -0.31 0.00	34.43 -0.28 0.00
ELEC_TRO_TEK 24086	37.82 2.14 0.00	35.63 2.08 0.00	35.04 1.83 0.00	33.92 1.83 0.00	35.19 1.96 0.00	37.83 2.26 -0.80	46.20 2.98 0.00	54.93 2.81 0.00	49.83 2.24 0.00	40.89 3.10 0.00	40.00 3.20 -0.02	38.79 3.14 -0.02	38.29 3.09 -0.03	40.20 2.80 -1.50	41.12 2.68 -3.19	40.95 2.72 -1.42	43.79 2.48 0.00	57.02 2.56 0.00	71.78 2.37 0.20	71.65 2.29 0.00	53.48 1.91 0.00	44.49 1.83 0.00	40.50 2.11 0.00	36.99 2.19 -0.10
ELLENBURG_WT_PWR 323604	35.71 0.04 0.00	33.69 0.13 0.00	33.34 0.13 0.00	32.22 0.13 0.00	33.40 0.17 0.00	35.01 0.25 0.00	42.96 -0.26 0.00	51.38 -0.73 0.00	47.12 -0.48 0.00	37.48 -0.30 0.00	36.45 -0.33 0.00	35.28 -0.36 0.00	34.75 -0.42 0.00	35.76 -0.14 0.00	35.21 -0.04 0.00	36.80 0.00 0.00	41.40 0.08 0.00	54.68 0.22 0.00	70.04 0.42 0.00	69.99 0.62 0.00	51.78 0.21 0.00	43.00 0.34 0.00	38.62 0.23 0.00	34.92 0.21 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	35.75 0.07 0.00	33.62 0.07 0.00	33.24 0.03 0.00	32.22 0.13 0.00	33.23 0.00 0.00	35.08 0.31 0.00	43.87 0.65 0.00	56.13 -0.26 -4.28	52.55 0.86 -4.10	41.64 0.60 -3.24	40.46 0.52 -3.16	36.10 0.46 0.00	35.62 0.46 0.00	35.90 0.00 0.00	34.97 -0.28 0.00	36.03 -0.77 0.00	39.95 -1.36 0.00	51.63 -2.83 0.00	66.62 -2.99 0.00	66.66 -2.71 0.00	49.77 -1.80 0.00	41.25 -1.41 0.00	38.46 0.08 0.00	34.88 0.17 0.00
EMPIRE_CC_1 323656	36.35 0.68 0.00	34.19 0.64 0.00	33.84 0.63 0.00	32.70 0.61 0.00	33.89 0.66 0.00	35.43 0.66 0.00	44.52 1.30 0.00	53.93 1.82 0.00	48.88 1.29 0.00	39.07 1.29 0.00	37.96 1.18 0.00	36.88 1.25 0.00	36.36 1.20 0.00	36.87 0.97 0.00	36.20 0.95 0.00	37.83 1.03 0.00	42.47 1.16 0.00	55.99 1.52 0.00	71.36 1.74 0.00	70.89 1.52 0.00	52.81 1.24 0.00	43.64 0.98 0.00	39.08 0.69 0.00	35.15 0.52 0.08
EMPIRE_CC_2 323658	36.35 0.68 0.00	34.19 0.64 0.00	33.84 0.63 0.00	32.70 0.61 0.00	33.89 0.66 0.00	35.43 0.66 0.00	44.52 1.30 0.00	53.93 1.82 0.00	48.88 1.29 0.00	39.07 1.29 0.00	37.96 1.18 0.00	36.88 1.25 0.00	36.36 1.20 0.00	36.87 0.97 0.00	36.20 0.95 0.00	37.83 1.03 0.00	42.47 1.16 0.00	55.99 1.52 0.00	71.36 1.74 0.00	70.89 1.52 0.00	52.81 1.24 0.00	43.64 0.98 0.00	39.08 0.69 0.00	35.15 0.52 0.08
ENORWICH_115KV_TB1 80156	37.32 1.64 0.00	35.13 1.58 0.00	34.74 1.53 0.00	33.47 1.38 0.00	34.76 1.53 0.00	36.71 1.95 0.00	46.25 3.03 0.00	56.18 4.06 0.00	51.22 3.62 0.00	39.53 1.74 0.00	38.48 1.69 0.00	36.95 1.32 0.00	36.36 1.20 0.00	36.51 0.61 0.00	35.64 0.39 0.00	37.28 0.48 0.00	42.27 0.95 0.00	56.37 1.91 0.00	73.31 3.69 0.00	73.53 4.16 0.00	54.41 2.84 0.00	44.75 2.09 0.00	40.31 1.92 0.00	36.35 1.63 -0.01
ERIE_ST__34_KV_TB1-2 80199	35.57 -0.11 0.00	33.45 -0.10 0.00	33.08 -0.13 0.00	32.06 -0.03 0.00	33.06 -0.17 0.00	34.94 0.17 0.00	43.95 0.73 0.00	57.66 1.56 -3.99	53.94 2.52 -3.82	42.67 1.85 -3.03	41.46 1.73 -2.95	36.10 0.46 0.00	35.62 0.46 0.00	35.87 -0.04 0.00	34.90 -0.35 0.00	35.96 -0.85 0.00	39.95 -1.36 0.00	51.79 -2.67 0.00	67.04 -2.58 0.00	67.15 -2.22 0.00	49.87 -1.70 0.00	41.29 -1.37 0.00	38.39 0.00 0.00	34.74 0.03 0.00
ERIE_WT_PWR 323693	35.82 0.14 0.00	33.72 0.17 0.00	33.31 0.10 0.00	32.29 0.19 0.00	33.30 0.07 0.00	35.39 0.63 0.00	44.60 1.38 0.00	56.80 0.63 -4.06	53.01 1.52 -3.89	41.93 1.06 -3.08	41.07 1.29 -3.00	36.20 0.57 0.00	35.76 0.60 0.00	36.01 0.11 0.00	35.07 -0.18 0.00	36.18 -0.63 0.00	40.12 -1.20 0.00	51.58 -2.89 0.00	67.11 -2.50 0.00	67.14 -2.22 0.00	50.07 -1.50 0.00	41.63 -1.02 0.00	38.62 0.23 0.00	35.61 0.90 0.00
ESPRGFLD_115KV_TB1 80157	35.79 0.11 0.00	33.65 0.10 0.00	33.34 0.13 0.00	32.22 0.13 0.00	33.43 0.20 0.00	35.11 0.35 0.00	44.21 0.99 0.00	53.41 1.30 0.00	48.36 0.76 0.00	37.79 0.00 0.00	36.64 -0.15 0.00	35.39 -0.25 0.00	34.85 -0.32 0.00	35.22 -0.68 0.00	34.44 -0.81 0.00	36.07 -0.74 0.00	40.65 -0.66 0.00	54.41 -0.05 0.00	70.31 0.70 0.00	70.27 0.90 0.00	52.14 0.57 0.00	43.09 0.43 0.00	38.62 0.23 0.00	34.83 0.14 0.01
ETNA_115_KV_TB1_REV_LBMP_C 345029	36.18 0.50 0.00	33.95 0.40 0.00	33.61 0.40 0.00	32.48 0.39 0.00	33.60 0.37 0.00	35.36 0.59 0.00	44.43 1.21 0.00	53.73 1.62 0.00	49.12 1.52 0.00	38.70 0.91 0.00	37.60 0.81 0.00	36.24 0.61 0.00	35.69 0.53 0.00	36.12 0.22 0.00	35.35 0.11 0.00	36.88 0.07 0.00	41.52 0.21 0.00	54.90 0.44 0.00	70.73 1.11 0.00	70.61 1.25 0.00	52.40 0.83 0.00	43.21 0.55 0.00	39.04 0.65 0.00	35.26 0.56 0.00
ETNA____115KV_TB2 80207	36.18 0.50 0.00	33.95 0.40 0.00	33.61 0.40 0.00	32.48 0.39 0.00	33.60 0.37 0.00	35.36 0.59 0.00	44.43 1.21 0.00	53.73 1.62 0.00	49.12 1.52 0.00	38.70 0.91 0.00	37.60 0.81 0.00	36.24 0.61 0.00	35.69 0.53 0.00	36.12 0.22 0.00	35.35 0.11 0.00	36.88 0.07 0.00	41.52 0.21 0.00	54.90 0.44 0.00	70.73 1.11 0.00	70.61 1.25 0.00	52.40 0.83 0.00	43.21 0.55 0.00	39.04 0.65 0.00	35.26 0.56 0.00
EUCLID__115KV_TB2 356179	35.18 -0.50 0.00	33.05 -0.50 0.00	32.71 -0.50 0.00	31.61 -0.48 0.00	32.70 -0.53 0.00	34.31 -0.45 0.00	42.87 -0.35 0.00	55.79 -0.42 -4.09	51.23 -0.29 -3.92	40.63 -0.26 -3.11	39.56 -0.26 -3.03	35.39 -0.25 0.00	34.88 -0.28 0.00	35.43 -0.47 0.00	34.72 -0.53 0.00	36.18 -0.63 0.00	40.61 -0.70 0.00	53.43 -1.03 0.00	68.43 -1.18 0.00	68.26 -1.11 0.00	50.75 -0.83 0.00	41.98 -0.68 0.00	37.93 -0.46 0.00	34.25 -0.45 0.00
E_CANADA_CAP_HY 24051	35.54 -0.14 0.00	33.42 -0.13 0.00	33.11 -0.10 0.00	32.00 -0.10 0.00	33.23 0.00 0.00	34.87 0.10 0.00	43.91 0.69 0.00	52.94 0.83 0.00	47.55 -0.05 0.00	36.99 -0.80 0.00	35.54 -1.25 0.00	34.42 -1.21 0.00	33.83 -1.34 0.00	34.29 -1.61 0.00	33.52 -1.73 0.00	35.26 -1.54 0.00	39.66 -1.65 0.00	53.75 -0.71 0.00	69.83 0.21 0.00	69.71 0.35 0.00	51.73 0.16 0.00	42.87 0.21 0.00	38.31 -0.08 0.00	34.48 -0.21 0.02
E_CANADA_MHWK_HY 24050	37.96 2.29 0.00	35.70 2.15 0.00	35.30 2.09 0.00	34.05 1.96 0.00	35.26 2.03 0.00	36.96 2.19 0.00	46.07 2.85 0.00	55.60 3.49 0.00	50.83 3.24 0.00	40.17 2.38 0.00	39.18 2.39 0.00	37.92 2.28 0.00	37.38 2.22 0.00	37.91 2.01 0.00	37.12 1.87 0.00	38.75 1.95 0.00	43.54 2.23 0.00	57.35 2.88 0.00	73.58 3.97 0.00	73.46 4.09 0.00	54.61 3.04 0.00	45.22 2.56 0.00	40.69 2.30 0.00	36.79 2.08 0.00
E_FISHKILL__LBMP 23776	36.82 1.14 0.00	34.62 1.07 0.00	34.21 1.00 0.00	33.05 0.96 0.00	34.26 1.03 0.00	35.91 1.15 0.00	45.21 1.99 0.00	54.66 2.55 0.00	49.64 2.05 0.00	39.79 2.00 0.00	38.85 2.06 0.00	37.74 2.10 0.00	37.21 2.04 0.00	37.70 1.80 0.00	37.01 1.76 0.00	38.61 1.80 0.00	43.26 1.94 0.00	56.59 2.12 0.00	72.05 2.44 0.00	71.72 2.36 0.00	53.27 1.70 0.00	44.11 1.45 0.00	39.58 1.19 0.00	36.01 1.15 -0.16
FALCON__SEABRD_CC1 323796	35.75 0.07 0.00	33.75 0.20 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.53 0.30 0.00	35.25 0.49 0.00	43.26 0.04 0.00	51.33 -0.78 0.00	47.12 -0.48 0.00	37.79 0.00 0.00	36.71 -0.07 0.00	35.53 -0.11 0.00	34.92 -0.24 0.00	35.79 -0.11 0.00	35.25 0.00 0.00	36.88 0.07 0.00	41.52 0.21 0.00	54.63 0.16 0.00	70.11 0.49 0.00	70.13 0.76 0.00	51.78 0.21 0.00	43.30 0.64 0.00	38.85 0.46 0.00	35.12 0.42 0.00
FALCON__SEABRD_CC2 323797	35.75 0.07 0.00	33.75 0.20 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.53 0.30 0.00	35.25 0.49 0.00	43.26 0.04 0.00	51.33 -0.78 0.00	47.12 -0.48 0.00	37.79 0.00 0.00	36.71 -0.07 0.00	35.53 -0.11 0.00	34.92 -0.24 0.00	35.79 -0.11 0.00	35.25 0.00 0.00	36.88 0.07 0.00	41.52 0.21 0.00	54.63 0.16 0.00	70.11 0.49 0.00	70.13 0.76 0.00	51.78 0.21 0.00	43.30 0.64 0.00	38.85 0.46 0.00	35.12 0.42 0.00



FAR ROCKAWAY___4 23548	38.28 2.60 0.00	36.03 2.48 0.00	35.40 2.19 0.00	34.27 2.18 0.00	35.59 2.36 0.00	38.24 2.68 -0.80	46.76 3.54 0.00	55.55 3.44 0.00	50.36 2.76 0.00	41.30 3.51 0.00	40.41 3.61 -0.02	39.21 3.56 -0.02	38.71 3.52 -0.02	40.47 3.20 -1.37	41.27 3.10 -2.92	41.23 3.13 -1.30	44.33 3.02 0.00	57.73 3.27 0.00	72.77 3.27 0.12	72.56 3.19 0.00	54.15 2.58 0.00	45.05 2.39 0.00	40.96 2.57 0.00	37.41 2.60 -0.10
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	37.43 1.75 0.00	35.19 1.64 0.00	34.84 1.63 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.51 1.74 0.00	45.94 2.72 0.00	55.76 3.65 0.00	50.69 3.09 0.00	40.70 2.91 -0.01	39.78 2.98 -0.01	38.64 2.99 -0.01	38.19 2.95 -0.07	38.61 2.69 -0.01	37.93 2.61 -0.07	39.47 2.65 -0.01	44.18 2.85 -0.01	57.62 3.16 0.00	73.31 3.69 0.00	72.97 3.61 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	37.43 1.75 0.00	35.19 1.64 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.54 1.77 0.00	45.99 2.77 0.00	55.76 3.65 0.00	50.69 3.09 0.00	40.70 2.91 -0.01	39.78 2.98 -0.01	38.64 2.99 -0.01	38.19 2.95 -0.07	38.61 2.69 -0.01	37.93 2.61 -0.07	39.47 2.65 -0.01	44.18 2.85 -0.01	57.62 3.16 0.00	73.38 3.76 0.00	72.97 3.61 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	37.43 1.75 0.00	35.19 1.64 0.00	34.67 1.46 0.00	33.54 1.44 0.00	34.73 1.50 0.00	36.51 1.74 0.00	45.94 2.72 0.00	55.76 3.65 0.00	50.69 3.09 0.00	40.70 2.91 -0.01	39.78 2.98 -0.01	38.64 2.99 -0.01	38.16 2.92 -0.07	38.57 2.66 -0.01	37.93 2.61 -0.07	39.47 2.65 -0.01	44.18 2.85 -0.01	57.62 3.16 0.00	73.31 3.69 0.00	72.97 3.61 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.23 1.84 0.00	36.58 1.77 -0.10
FARRAGUT___LBMP 323566	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.73 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.71 3.60 0.00	50.64 3.05 0.00	40.67 2.87 -0.01	39.74 2.94 -0.01	38.61 2.96 -0.01	38.16 2.92 -0.07	38.54 2.62 -0.01	37.90 2.57 -0.07	39.43 2.61 -0.01	44.14 2.81 -0.01	57.57 3.10 0.00	73.24 3.62 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.23 1.84 0.00	36.54 1.74 -0.10
FENNER___WINDPWR 24204	36.21 0.54 0.00	34.05 0.50 0.00	33.67 0.46 0.00	32.48 0.39 0.00	33.66 0.43 0.00	35.39 0.63 0.00	44.30 1.08 0.00	53.62 1.51 0.00	48.93 1.33 0.00	38.50 0.72 0.00	37.52 0.74 0.00	36.20 0.57 0.00	35.69 0.53 0.00	36.19 0.29 0.00	35.46 0.21 0.00	37.03 0.22 0.00	41.64 0.33 0.00	55.06 0.60 0.00	70.80 1.18 0.00	70.75 1.39 0.00	52.50 0.93 0.00	43.34 0.68 0.00	39.04 0.65 0.00	35.30 0.59 0.00
FIBERTEK___ENERGY 23856	35.46 -0.21 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.87 -0.22 0.00	32.96 -0.27 0.00	34.59 -0.17 0.00	43.26 0.04 -3.64	55.90 0.16 -3.48	51.32 0.24 -2.76	40.66 0.11 -2.69	39.55 0.07 0.00	35.67 0.04 0.00	35.17 0.00 0.00	35.69 -0.22 0.00	34.93 -0.32 0.00	36.44 -0.37 0.00	40.90 -0.41 0.00	53.92 -0.54 0.00	69.13 -0.49 0.00	68.95 -0.42 0.00	51.26 -0.31 0.00	42.36 -0.30 0.00	38.23 -0.15 0.00	34.57 -0.14 0.00
FITZPATRICK___ 23598	34.68 -1.00 0.00	32.61 -0.94 0.00	32.25 -0.96 0.00	31.16 -0.93 0.00	32.27 -0.96 0.00	33.83 -0.94 0.00	42.27 -0.95 0.00	2.35 -1.15 48.61	0.00 -1.00 46.60	0.00 -0.83 36.96	0.00 -0.81 35.98	34.82 -0.82 0.00	34.32 -0.84 0.00	34.90 -1.01 0.00	34.19 -1.06 0.00	35.70 -1.10 0.00	40.03 -1.28 0.00	52.67 -1.80 0.00	67.53 -2.09 0.00	67.29 -2.08 0.00	50.03 -1.55 0.00	41.38 -1.28 0.00	37.35 -1.03 0.00	33.84 -0.87 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	37.21 1.53 0.00	34.99 1.44 0.00	34.54 1.33 0.00	33.41 1.32 0.00	34.59 1.36 0.00	36.26 1.49 0.00	45.68 2.46 0.00	55.34 3.23 0.00	50.26 2.67 0.00	40.06 2.27 0.00	39.10 2.32 0.00	37.99 2.35 0.00	37.45 2.29 0.00	37.91 2.01 0.00	37.22 1.97 0.00	38.83 2.02 0.00	43.63 2.31 0.00	57.24 2.78 0.00	73.10 3.48 0.00	72.76 3.40 0.00	54.05 2.48 0.00	44.62 1.96 0.00	40.04 1.65 0.00	36.33 1.53 -0.10
FORT ORANGE___ 23900	36.04 0.36 0.00	33.92 0.37 0.00	33.61 0.40 0.00	32.48 0.39 0.00	33.63 0.40 0.00	34.91 0.14 0.00	43.78 0.56 0.00	53.05 0.94 0.00	48.17 0.57 0.00	38.43 0.64 0.00	37.34 0.55 0.00	36.24 0.61 0.00	35.76 0.60 0.00	36.26 0.36 0.00	35.60 0.35 0.00	37.17 0.37 0.00	41.81 0.50 0.00	55.28 0.82 0.00	70.52 0.90 0.00	70.13 0.76 0.00	52.24 0.67 0.00	43.17 0.51 0.00	38.66 0.27 0.00	34.88 0.21 0.04
FORT_DRUM_COGEN 23780	36.61 0.93 0.00	34.49 0.94 0.00	34.04 0.83 0.00	32.54 0.45 0.00	33.83 0.60 0.00	35.67 0.90 0.00	44.39 1.17 0.00	57.92 1.82 -3.99	52.89 1.48 -3.82	41.04 0.23 -3.03	39.99 0.26 -2.95	35.74 0.11 0.00	35.27 0.11 0.00	35.69 -0.22 0.00	34.97 -0.28 0.00	36.66 -0.15 0.00	41.40 0.08 0.00	55.06 0.60 0.00	71.36 1.74 0.00	71.79 2.43 0.00	53.22 1.65 0.00	44.02 1.37 0.00	39.46 1.07 0.00	35.54 0.83 0.00
FOX_HILLS___ESR 323835	37.68 2.00 0.00	35.47 1.91 -0.01	34.98 1.76 -0.01	33.83 1.73 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.55 2.33 0.00	55.24 3.13 0.00	50.12 2.52 0.00	40.33 2.53 -0.01	39.49 2.69 -0.02	38.47 2.82 -0.02	37.82 2.57 -0.09	38.39 2.48 -0.02	37.59 2.26 -0.09	39.29 2.47 -0.02	43.89 2.56 -0.02	57.24 2.78 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.69 2.11 0.00	44.45 1.79 0.00	40.19 1.80 0.00	36.83 2.01 -0.11
FPL_FAR_ROCK_GT1 24212	38.28 2.60 0.00	36.00 2.45 0.00	35.40 2.19 0.00	34.27 2.18 0.00	35.59 2.36 0.00	38.21 2.64 -0.80	46.50 3.28 0.00	55.60 3.49 0.00	50.36 2.76 0.00	41.38 3.59 0.00	40.33 3.53 -0.02	39.21 3.56 -0.02	38.71 3.52 -0.02	40.47 3.19 -1.37	41.27 3.10 -2.92	41.27 3.17 -1.30	44.41 3.10 0.00	57.90 3.43 0.00	72.64 3.14 0.12	72.49 3.12 0.00	54.15 2.58 0.00	44.96 2.30 0.00	40.96 2.57 0.00	37.17 2.36 -0.10
FPL_FAR_ROCK_GT2 23815	38.28 2.60 0.00	36.00 2.45 0.00	35.40 2.19 0.00	34.27 2.18 0.00	35.59 2.36 0.00	38.21 2.64 -0.80	46.50 3.28 0.00	55.60 3.49 0.00	50.36 2.76 0.00	41.38 3.59 0.00	40.33 3.53 -0.02	39.21 3.56 -0.02	38.71 3.52 -0.02	40.47 3.19 -1.37	41.27 3.10 -2.92	41.27 3.17 -1.30	44.41 3.10 0.00	57.90 3.43 0.00	72.64 3.14 0.12	72.49 3.12 0.00	54.15 2.58 0.00	44.96 2.30 0.00	40.96 2.57 0.00	37.17 2.36 -0.10
FRANKLIN_FALL_HYD 24054	36.39 0.71 0.00	34.32 0.77 0.00	33.91 0.70 0.00	32.70 0.61 0.00	33.89 0.66 0.00	35.64 0.87 0.00	43.65 0.43 0.00	52.32 0.21 0.00	48.07 0.48 0.00	38.13 0.34 0.00	37.08 0.29 0.00	35.88 0.25 0.00	35.27 0.11 0.00	36.15 0.25 0.00	35.67 0.42 0.00	37.39 0.59 0.00	42.10 0.78 0.00	55.77 1.31 0.00	71.43 1.81 0.00	71.31 1.94 0.00	52.91 1.34 0.00	43.90 1.24 0.00	39.35 0.96 0.00	35.50 0.80 0.00



FREEPORT_EQUS_GT1 23764	37.96 2.29 0.00	35.76 2.21 0.00	35.17 1.96 0.00	34.05 1.96 0.00	35.36 2.13 0.00	37.96 2.40 -0.80	46.12 2.90 0.00	55.13 3.02 0.00	49.88 2.28 0.00	41.07 3.29 0.00	40.00 3.20 -0.01	38.92 3.28 -0.01	38.42 3.23 -0.02	39.96 2.91 -1.15	40.56 2.85 -2.45	40.80 2.91 -1.09	44.04 2.73 0.00	57.35 2.88 0.00	71.59 2.44 0.46	71.86 2.49 0.00	53.69 2.12 0.00	44.58 1.92 0.00	40.69 2.30 0.00	36.92 2.12 -0.10
FREEPORT___CT2 23818	37.96 2.29 0.00	35.76 2.21 0.00	35.17 1.96 0.00	34.05 1.96 0.00	35.36 2.13 0.00	37.96 2.40 -0.80	46.12 2.90 0.00	55.13 3.02 0.00	49.88 2.28 0.00	41.07 3.29 0.00	40.00 3.20 -0.01	38.92 3.28 -0.01	38.42 3.23 -0.02	39.96 2.91 -1.15	40.56 2.85 -2.45	40.80 2.91 -1.09	44.04 2.73 0.00	57.35 2.88 0.00	71.59 2.44 0.46	71.86 2.49 0.00	53.69 2.12 0.00	44.58 1.92 0.00	40.69 2.30 0.00	36.92 2.12 -0.10
FRESHKLS_33_KV_LOAD 356253	37.71 2.03 0.00	35.57 2.01 -0.01	35.08 1.86 -0.01	33.90 1.80 -0.01	35.13 1.89 -0.01	36.85 2.09 0.00	45.47 2.25 0.00	55.13 3.02 0.00	49.98 2.38 0.00	40.18 2.38 -0.01	39.41 2.61 -0.02	38.39 2.74 -0.02	37.72 2.46 -0.09	38.36 2.44 -0.02	37.49 2.15 -0.09	39.21 2.39 -0.02	43.81 2.48 -0.02	57.13 2.67 0.00	72.61 2.99 0.00	72.35 2.98 0.00	53.63 2.06 0.00	44.37 1.71 0.00	40.15 1.77 0.00	36.90 2.08 -0.11
FULTON COGEN____ 23766	35.11 -0.57 0.00	32.98 -0.57 0.00	32.65 -0.56 0.00	31.55 -0.55 0.00	32.66 -0.56 0.00	34.25 -0.52 0.00	42.74 -0.48 0.00	60.32 -0.52 -8.73	55.58 -0.38 -8.36	44.04 -0.38 -6.63	42.88 -0.37 -6.46	35.24 -0.39 0.00	34.74 -0.42 0.00	35.29 -0.61 0.00	34.58 -0.67 0.00	36.07 -0.74 0.00	40.49 -0.83 0.00	53.32 -1.14 0.00	68.36 -1.25 0.00	68.19 -1.18 0.00	50.69 -0.88 0.00	41.98 -0.68 0.00	37.85 -0.54 0.00	34.22 -0.49 0.00
FULTON___LFGE 323630	36.28 0.61 0.00	34.12 0.57 0.00	33.81 0.60 0.00	32.67 0.58 0.00	33.93 0.70 0.00	35.57 0.80 0.00	44.77 1.55 0.00	53.98 1.87 0.00	48.45 0.86 0.00	37.75 -0.04 0.00	36.20 -0.59 0.00	34.99 -0.64 0.00	34.36 -0.81 0.00	34.82 -1.08 0.00	34.12 -1.13 0.00	35.96 -0.85 0.00	40.65 -0.66 0.00	55.12 0.66 0.00	71.42 1.81 0.00	71.24 1.87 0.00	52.86 1.29 0.00	43.73 1.07 0.00	39.08 0.69 0.00	35.20 0.52 0.02
G.F.CEMENT___DRP 24184	36.61 0.93 0.00	34.42 0.87 0.00	34.07 0.86 0.00	32.99 0.90 0.00	34.16 0.93 0.00	35.71 0.94 0.00	44.99 1.77 0.00	54.25 2.14 0.00	49.12 1.52 0.00	38.85 1.06 0.00	37.56 0.77 0.00	36.42 0.78 0.00	35.83 0.67 0.00	36.37 0.47 0.00	35.57 0.32 0.00	37.43 0.63 0.00	42.10 0.78 0.00	56.04 1.58 0.00	71.98 2.37 0.00	71.65 2.29 0.00	53.22 1.65 0.00	43.90 1.24 0.00	39.27 0.88 0.00	35.39 0.73 0.04
GARDENVILLE___LBMP 24039	35.71 0.04 0.00	33.62 0.07 0.00	33.21 0.00 0.00	32.19 0.10 0.00	33.20 -0.03 0.00	35.08 0.31 0.00	43.91 0.69 0.00	56.16 0.21 -3.84	52.57 1.29 -3.68	41.58 0.87 -2.92	40.40 0.77 -2.84	36.06 0.43 0.00	35.59 0.42 0.00	35.83 -0.07 0.00	34.90 -0.35 0.00	35.96 -0.85 0.00	39.87 -1.45 0.00	51.69 -2.78 0.00	66.83 -2.78 0.00	66.87 -2.50 0.00	49.82 -1.75 0.00	41.34 -1.32 0.00	38.50 0.12 0.00	34.88 0.17 0.00
GARDNVLA_35_KV_LD 355827	35.93 0.25 0.00	33.79 0.23 0.00	33.38 0.17 0.00	32.35 0.26 0.00	33.36 0.13 0.00	35.25 0.49 0.00	44.17 0.95 0.00	56.73 0.52 -4.10	53.09 1.57 -3.93	41.99 1.10 -3.11	40.81 0.99 -3.03	36.35 0.71 0.00	35.87 0.70 0.00	36.15 0.25 0.00	35.18 -0.07 0.00	36.29 -0.52 0.00	40.24 -1.07 0.00	52.07 -2.40 0.00	67.32 -2.30 0.00	67.35 -2.01 0.00	50.18 -1.39 0.00	41.59 -1.07 0.00	38.73 0.35 0.00	35.09 0.38 0.00
GELCKHM___115KV_LOAD 80723	35.29 -0.39 0.00	33.15 -0.40 0.00	32.81 -0.40 0.00	31.71 -0.39 0.00	32.80 -0.43 0.00	34.42 -0.35 0.00	43.05 -0.17 0.00	56.19 -0.21 -4.29	51.61 -0.10 -4.11	40.94 -0.11 -3.26	39.85 -0.11 -3.18	35.49 -0.14 0.00	34.99 -0.18 0.00	35.54 -0.36 0.00	34.79 -0.46 0.00	36.29 -0.52 0.00	40.74 -0.58 0.00	53.65 -0.82 0.00	68.71 -0.91 0.00	68.53 -0.83 0.00	50.95 -0.62 0.00	42.10 -0.55 0.00	38.04 -0.35 0.00	34.39 -0.31 0.00
GENERAL___MILLS 23808	35.79 0.11 0.00	33.68 0.13 0.00	33.28 0.07 0.00	32.28 0.19 0.00	33.26 0.03 0.00	35.15 0.38 0.00	44.04 0.82 0.00	56.54 0.36 -4.06	52.91 1.43 -3.89	41.89 1.02 -3.08	40.70 0.92 -3.00	36.20 0.57 0.00	35.73 0.56 0.00	36.01 0.11 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	40.03 -1.28 0.00	51.85 -2.61 0.00	67.04 -2.58 0.00	67.08 -2.29 0.00	49.97 -1.60 0.00	41.42 -1.24 0.00	38.58 0.19 0.00	34.95 0.24 0.00
GE_PLASTICS___DRP 24183	36.00 0.32 0.00	33.89 0.34 0.00	33.58 0.37 0.00	32.44 0.35 0.00	33.60 0.37 0.00	35.11 0.35 0.00	44.04 0.82 0.00	53.26 1.15 0.00	48.41 0.81 0.00	38.58 0.79 0.00	37.56 0.77 0.00	36.38 0.75 0.00	35.94 0.77 0.00	36.44 0.54 0.00	35.78 0.53 0.00	37.39 0.59 0.00	41.93 0.62 0.00	55.28 0.82 0.00	70.52 0.91 0.00	70.13 0.76 0.00	52.24 0.67 0.00	43.17 0.51 0.00	38.69 0.31 0.00	35.02 0.35 0.03
GILBOA___1 23756	36.28 0.61 0.00	34.09 0.54 0.00	33.97 0.76 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.36 0.59 0.00	44.34 1.12 0.00	53.67 1.56 0.00	48.83 1.24 0.00	38.92 1.13 0.00	37.89 1.10 0.00	36.77 1.14 0.00	36.26 1.09 0.00	36.80 0.90 0.00	36.09 0.84 0.00	37.69 0.88 0.00	42.27 0.95 0.00	55.61 1.15 0.00	70.59 0.97 0.00	70.26 0.90 0.00	52.55 0.98 0.00	43.43 0.77 0.00	39.00 0.61 0.00	35.24 0.52 -0.01
GILBOA___2 23757	36.28 0.61 0.00	34.09 0.54 0.00	33.97 0.76 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.36 0.59 0.00	44.34 1.12 0.00	53.67 1.56 0.00	48.83 1.24 0.00	38.92 1.13 0.00	37.89 1.10 0.00	36.77 1.14 0.00	36.26 1.09 0.00	36.80 0.90 0.00	36.09 0.84 0.00	37.69 0.88 0.00	42.27 0.95 0.00	55.61 1.15 0.00	70.59 0.97 0.00	70.26 0.90 0.00	52.55 0.98 0.00	43.43 0.77 0.00	39.00 0.61 0.00	35.24 0.52 -0.01
GILBOA___3 23758	36.28 0.61 0.00	34.09 0.54 0.00	33.97 0.76 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.36 0.59 0.00	44.34 1.12 0.00	53.67 1.56 0.00	48.83 1.24 0.00	38.92 1.13 0.00	37.89 1.10 0.00	36.77 1.14 0.00	36.26 1.09 0.00	36.80 0.90 0.00	36.09 0.84 0.00	37.69 0.88 0.00	42.27 0.95 0.00	55.61 1.15 0.00	70.59 0.97 0.00	70.26 0.90 0.00	52.55 0.98 0.00	43.43 0.77 0.00	39.00 0.61 0.00	35.24 0.52 -0.01
GILBOA___4 23759	36.28 0.61 0.00	34.09 0.54 0.00	33.97 0.76 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.36 0.59 0.00	44.34 1.12 0.00	53.67 1.56 0.00	48.83 1.24 0.00	38.92 1.13 0.00	37.89 1.10 0.00	36.77 1.14 0.00	36.26 1.09 0.00	36.80 0.90 0.00	36.09 0.84 0.00	37.69 0.88 0.00	42.27 0.95 0.00	55.61 1.15 0.00	70.59 0.97 0.00	70.26 0.90 0.00	52.55 0.98 0.00	43.43 0.77 0.00	39.00 0.61 0.00	35.24 0.52 -0.01



GILBOA____ 23599	36.29 0.61 0.00	34.09 0.54 0.00	33.97 0.76 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.39 0.63 0.00	44.43 1.21 0.00	53.67 1.56 0.00	48.83 1.24 0.00	38.92 1.13 0.00	37.93 1.14 0.00	36.77 1.14 0.00	36.26 1.09 0.00	36.80 0.90 0.00	36.10 0.85 0.00	37.69 0.88 0.00	42.27 0.95 0.00	55.55 1.09 0.00	70.59 0.97 0.00	70.27 0.90 0.00	52.55 0.98 0.00	43.43 0.77 0.00	39.00 0.61 0.00	35.31 0.59 -0.01
GINNA____ 23603	33.97 -1.71 0.00	31.97 -1.58 0.00	31.55 -1.66 0.00	30.52 -1.57 0.00	31.54 -1.69 0.00	33.27 -1.49 0.00	41.75 -1.47 0.00	55.30 -2.71 -5.90	51.20 -2.05 -5.65	40.53 -1.74 -4.48	39.50 -1.65 -4.36	34.28 -1.35 0.00	33.83 -1.34 0.00	34.25 -1.65 0.00	33.45 -1.80 0.00	34.74 -2.06 0.00	38.88 -2.44 0.00	50.92 -3.54 0.00	65.58 -4.04 0.00	65.48 -3.88 0.00	48.79 -2.79 0.00	40.35 -2.30 0.00	36.66 -1.73 0.00	33.42 -1.28 0.00
GLEN PARK____ 23778	36.71 1.04 0.00	34.62 1.07 0.00	34.14 0.93 0.00	32.67 0.58 0.00	33.96 0.73 0.00	35.85 1.08 0.00	44.69 1.47 0.00	58.45 2.14 -4.20	53.33 1.71 -4.03	41.32 0.34 -3.19	40.26 0.37 -3.11	35.85 0.22 0.00	35.34 0.18 0.00	35.76 -0.14 0.00	35.00 -0.25 0.00	36.73 -0.07 0.00	41.52 0.21 0.00	55.23 0.76 0.00	71.78 2.16 0.00	72.28 2.91 0.00	53.48 1.91 0.00	44.24 1.58 0.00	39.65 1.26 0.00	35.75 1.04 0.00
GLENDALE_27_KV_LOAD 356172	37.71 2.03 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.77 1.67 -0.01	35.00 1.76 -0.01	36.78 2.02 0.00	46.03 2.81 0.00	55.86 3.75 0.00	50.79 3.19 0.00	40.86 3.06 -0.01	39.93 3.13 -0.02	38.79 3.14 -0.02	38.31 3.06 -0.09	38.75 2.84 -0.02	38.05 2.71 -0.09	39.62 2.80 -0.02	44.31 2.97 -0.02	57.68 3.21 0.00	73.38 3.76 0.00	73.04 3.68 0.00	54.15 2.58 0.00	44.83 2.18 0.00	40.42 2.03 0.00	36.83 2.01 -0.11
GLENWOOD_IC_1_G5 23712	37.71 2.03 0.00	35.50 1.95 0.00	34.94 1.73 0.00	33.79 1.70 0.00	35.06 1.83 0.00	37.69 2.12 -0.80	46.20 2.98 0.00	55.34 3.23 0.00	50.21 2.62 0.00	40.85 3.06 0.00	39.97 3.16 -0.02	38.79 3.14 -0.02	38.29 3.09 -0.03	40.17 2.80 -1.47	41.09 2.71 -3.13	40.96 2.76 -1.39	44.00 2.69 0.00	57.40 2.94 0.00	72.30 3.06 0.38	72.42 3.05 0.00	53.89 2.32 0.00	44.75 2.09 0.00	40.46 2.07 0.00	36.89 2.08 -0.10
GLENWOOD_IC_2_G1 23688	37.50 1.82 0.00	35.26 1.71 0.00	34.74 1.53 0.00	33.60 1.51 0.00	34.86 1.63 0.00	37.37 1.81 -0.80	45.77 2.55 0.00	55.24 3.13 0.00	50.17 2.57 0.00	40.62 2.84 0.00	39.62 2.83 0.00	38.56 2.92 0.00	38.05 2.88 0.00	38.55 2.59 -0.06	37.88 2.50 -0.13	39.40 2.54 -0.06	43.92 2.60 0.00	57.35 2.88 0.00	72.54 2.92 0.00	72.28 2.91 0.00	53.79 2.22 0.00	44.58 1.92 0.00	40.27 1.88 0.00	36.47 1.67 -0.10
GLENWOOD_IC_3_G1 23689	37.50 1.82 0.00	35.26 1.71 0.00	34.74 1.53 0.00	33.60 1.51 0.00	34.86 1.63 0.00	37.37 1.81 -0.80	45.77 2.55 0.00	55.24 3.13 0.00	50.17 2.57 0.00	40.62 2.84 0.00	39.62 2.83 0.00	38.56 2.92 0.00	38.05 2.88 0.00	38.55 2.59 -0.06	37.88 2.50 -0.13	39.40 2.54 -0.06	43.92 2.60 0.00	57.35 2.88 0.00	72.54 2.92 0.00	72.28 2.91 0.00	53.79 2.22 0.00	44.58 1.92 0.00	40.27 1.88 0.00	36.47 1.67 -0.10
GLENWOOD____4 23550	37.71 2.03 0.00	35.50 1.95 0.00	34.94 1.73 0.00	33.79 1.70 0.00	35.06 1.83 0.00	37.69 2.12 -0.80	46.20 2.98 0.00	55.34 3.23 0.00	50.21 2.62 0.00	40.85 3.06 0.00	39.97 3.16 -0.02	38.79 3.14 -0.02	38.29 3.09 -0.03	40.17 2.80 -1.47	41.09 2.71 -3.13	40.96 2.76 -1.39	44.00 2.69 0.00	57.40 2.94 0.00	72.30 3.06 0.38	72.42 3.05 0.00	53.89 2.32 0.00	44.75 2.09 0.00	40.46 2.07 0.00	36.89 2.08 -0.10
GLENWOOD____5 23614	37.71 2.03 0.00	35.50 1.95 0.00	34.94 1.73 0.00	33.79 1.70 0.00	35.06 1.83 0.00	37.69 2.12 -0.80	46.20 2.98 0.00	55.34 3.23 0.00	50.21 2.62 0.00	40.85 3.06 0.00	39.97 3.16 -0.02	38.79 3.14 -0.02	38.29 3.09 -0.03	40.17 2.80 -1.47	41.09 2.71 -3.13	40.96 2.76 -1.39	44.00 2.69 0.00	57.40 2.94 0.00	72.30 3.06 0.38	72.42 3.05 0.00	53.89 2.32 0.00	44.75 2.09 0.00	40.46 2.07 0.00	36.89 2.08 -0.10
GLOBAL GREEN_PORT_GT1 23814	37.71 2.03 0.00	35.46 1.91 0.00	34.94 1.73 0.00	33.92 1.83 0.00	35.39 2.16 0.00	38.45 2.88 -0.80	46.37 3.15 0.00	54.77 2.66 0.00	49.31 1.71 0.00	40.74 2.95 0.00	39.77 2.98 -0.01	38.71 3.07 -0.01	37.96 2.78 -0.01	39.25 2.51 -0.84	39.36 2.33 -1.78	39.92 2.32 -0.79	43.05 1.73 0.00	55.82 1.36 0.00	68.94 0.00 0.67	69.64 0.28 0.00	52.19 0.62 0.00	43.60 0.94 0.00	40.00 1.61 0.00	36.54 1.73 -0.10
GLOBE____DSASP 323697	35.64 -0.04 0.00	33.52 -0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	34.94 0.17 0.00	42.96 -0.26 0.00	54.96 -1.67 -4.51	51.54 -0.38 -4.32	40.88 -0.34 -3.43	39.72 -0.40 -3.34	35.46 -0.18 0.00	34.99 -0.18 0.00	35.29 -0.61 0.00	34.40 -0.85 0.00	35.44 -1.36 0.00	39.17 -2.15 0.00	50.32 -4.14 0.00	64.88 -4.73 0.00	64.86 -4.51 0.00	48.63 -2.94 0.00	40.40 -2.26 0.00	37.85 -0.54 0.00	34.78 0.07 0.00
GOETHSLN____LBMP 323567	37.21 1.53 0.00	35.03 1.48 0.00	34.51 1.30 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.33 1.56 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.45 2.86 0.00	40.52 2.72 -0.01	39.63 2.83 -0.01	38.46 2.82 -0.01	38.05 2.81 -0.07	38.43 2.51 -0.01	37.79 2.47 -0.07	39.28 2.47 -0.01	43.97 2.64 -0.01	57.35 2.89 0.00	72.96 3.34 0.00	72.63 3.26 0.00	53.84 2.27 0.00	44.49 1.83 0.00	40.04 1.65 0.00	36.37 1.56 -0.10
GOLAH____69_KV_TB 1_2 80279	35.89 0.21 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.28 0.19 0.00	33.33 0.10 0.00	35.08 0.31 0.00	43.83 0.61 0.00	57.48 -0.42 -5.78	53.47 0.33 -5.54	42.33 0.15 -4.40	41.10 0.04 -4.28	36.06 0.43 0.00	35.59 0.42 0.00	36.01 0.11 0.00	35.11 -0.14 0.00	36.40 -0.40 0.00	40.57 -0.74 0.00	52.99 -1.47 0.00	68.22 -1.39 0.00	68.32 -1.04 0.00	50.90 -0.67 0.00	42.10 -0.55 0.00	38.69 0.31 0.00	35.09 0.38 0.00
GOODYEAR_LAKE_HYD 323669	36.32 0.64 0.00	34.15 0.60 0.00	33.87 0.66 0.00	32.73 0.64 0.00	33.93 0.70 0.00	35.60 0.83 0.00	44.73 1.51 0.00	54.20 2.08 0.00	49.36 1.76 0.00	38.81 1.02 0.00	37.85 1.07 0.00	36.56 0.93 0.00	36.05 0.88 0.00	36.44 0.54 0.00	35.67 0.42 0.00	37.25 0.44 0.00	41.89 0.58 0.00	55.44 0.98 0.00	71.22 1.60 0.00	71.17 1.80 0.00	52.81 1.24 0.00	43.60 0.94 0.00	39.19 0.81 0.00	35.40 0.69 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	35.96 0.29 0.00	33.75 0.20 0.00	33.41 0.20 0.00	32.32 0.22 0.00	33.46 0.23 0.00	35.15 0.38 0.00	44.21 0.99 0.00	52.43 1.41 1.09	48.03 1.48 1.05	37.98 1.02 0.83	36.97 0.99 0.81	36.31 0.68 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.39 0.14 0.00	36.80 0.00 0.00	41.31 0.00 0.00	54.35 -0.11 0.00	69.90 0.28 0.00	69.78 0.42 0.00	51.78 0.21 0.00	42.74 0.09 0.00	38.73 0.35 0.00	35.06 0.35 -0.01



GOUDEY___7 23579	35.96 0.29 0.00	33.75 0.20 0.00	33.41 0.20 0.00	32.32 0.22 0.00	33.46 0.23 0.00	35.15 0.38 0.00	44.21 0.99 0.00	52.43 1.41 1.09	48.03 1.48 1.05	37.98 1.02 0.83	36.97 0.99 0.81	36.31 0.68 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.39 0.14 0.00	36.80 0.00 0.00	41.31 0.00 0.00	54.35 -0.11 0.00	69.90 0.28 0.00	69.78 0.42 0.00	51.78 0.21 0.00	42.74 0.09 0.00	38.73 0.35 0.00	35.06 0.35 -0.01
GOUDEY___8 23580	35.96 0.29 0.00	33.75 0.20 0.00	33.41 0.20 0.00	32.32 0.22 0.00	33.46 0.23 0.00	35.15 0.38 0.00	44.21 0.99 0.00	52.43 1.41 1.09	48.03 1.48 1.05	37.98 1.02 0.83	36.97 0.99 0.81	36.31 0.68 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.39 0.14 0.00	36.80 0.00 0.00	41.31 0.00 0.00	54.35 -0.11 0.00	69.90 0.28 0.00	69.78 0.42 0.00	51.78 0.21 0.00	42.74 0.09 0.00	38.73 0.35 0.00	35.06 0.35 -0.01
GOWANUS_GT1_1 24077	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT1_2 24078	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT1_3 24079	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT1_4 24080	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT1_5 24084	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT1_6 24111	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT1_7 24112	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT1_8 24113	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT2_1 24114	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT2_2 24115	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT2_3 24116	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT2_4 24117	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT2_5 24118	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11



GOWANUS_GT2_6 24119	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT2_7 24120	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT2_8 24121	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT3_1 24122	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT3_2 24123	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT3_3 24124	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT3_4 24125	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT3_5 24126	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT3_6 24127	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT3_7 24128	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT3_8 24129	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
GOWANUS_GT4_1 24130	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT4_2 24131	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT4_3 24132	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT4_4 24133	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11



GOWANUS_GT4_5 24134	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT4_6 24135	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT4_7 24136	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GOWANUS_GT4_8 24137	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GREATVR_69_KV_BK1 356245	38.21 2.53 0.00	36.00 2.45 0.00	35.30 2.09 0.00	34.18 2.09 0.00	35.56 2.33 0.00	38.49 2.92 -0.80	46.85 3.63 0.00	54.98 2.87 0.00	49.79 2.19 0.00	41.19 3.40 0.00	40.22 3.42 -0.01	39.07 3.42 -0.01	38.49 3.31 -0.01	39.87 3.09 -0.88	40.08 2.96 -1.87	40.65 3.02 -0.83	43.79 2.48 0.00	56.91 2.45 0.00	70.71 1.95 0.85	71.45 2.08 0.00	53.48 1.91 0.00	44.75 2.09 0.00	40.96 2.57 0.00	37.44 2.64 -0.10
GREENBSH_115KV_TB3 55895	35.89 0.21 0.00	33.79 0.23 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.50 0.27 0.00	34.94 0.17 0.00	43.91 0.69 0.00	53.15 1.04 0.00	48.26 0.67 0.00	38.54 0.76 0.00	37.49 0.70 0.00	36.31 0.68 0.00	35.87 0.70 0.00	36.33 0.43 0.00	35.71 0.46 0.00	37.28 0.48 0.00	41.81 0.50 0.00	55.17 0.71 0.00	70.45 0.84 0.00	69.99 0.62 0.00	52.14 0.57 0.00	43.04 0.38 0.00	38.54 0.15 0.00	34.94 0.28 0.04
GREENDGE_115KV_TB5 80291	36.07 0.39 0.00	33.85 0.30 0.00	33.48 0.27 0.00	32.38 0.29 0.00	33.50 0.27 0.00	35.36 0.59 0.00	44.56 1.34 0.00	55.95 1.51 -2.33	51.59 1.76 -2.23	40.65 1.10 -1.77	39.43 0.92 -1.72	36.28 0.64 0.00	35.73 0.56 0.00	36.08 0.18 0.00	35.21 -0.04 0.00	36.62 -0.18 0.00	41.11 -0.21 0.00	54.25 -0.22 0.00	70.17 0.56 0.00	70.06 0.69 0.00	51.98 0.41 0.00	42.87 0.21 0.00	39.00 0.61 0.00	35.26 0.56 0.00
GREENIDGE___3 23582	36.07 0.39 0.00	33.85 0.30 0.00	33.48 0.27 0.00	32.38 0.29 0.00	33.50 0.27 0.00	35.36 0.59 0.00	44.56 1.34 0.00	55.95 1.51 -2.33	51.59 1.76 -2.23	40.65 1.10 -1.77	39.43 0.92 -1.72	36.28 0.64 0.00	35.73 0.56 0.00	36.08 0.18 0.00	35.21 -0.04 0.00	36.62 -0.18 0.00	41.11 -0.21 0.00	54.25 -0.22 0.00	70.17 0.56 0.00	70.06 0.69 0.00	51.98 0.41 0.00	42.87 0.21 0.00	39.00 0.61 0.00	35.26 0.56 0.00
GREENIDGE___4 23583	36.07 0.39 0.00	33.89 0.34 0.00	33.47 0.26 0.00	32.38 0.29 0.00	33.49 0.26 0.00	35.46 0.70 0.00	44.82 1.60 0.00	56.06 1.62 -2.33	51.59 1.76 -2.23	40.69 1.13 -1.77	39.58 1.07 -1.72	36.28 0.64 0.00	35.73 0.56 0.00	36.12 0.22 0.00	35.25 0.00 0.00	36.62 -0.18 0.00	41.11 -0.21 0.00	54.14 -0.32 0.00	70.24 0.63 0.00	70.13 0.76 0.00	51.98 0.41 0.00	42.92 0.26 0.00	39.00 0.61 0.00	35.54 0.83 0.00
GREENLWN_69_KV_BK 3 55738	37.82 2.14 0.00	35.60 2.05 0.00	34.97 1.76 0.00	33.86 1.77 0.00	35.16 1.93 0.00	37.86 2.29 -0.80	45.64 2.42 0.00	53.77 1.67 0.00	48.73 1.14 0.00	40.89 3.10 0.00	39.89 3.09 -0.01	38.78 3.14 -0.01	38.24 3.06 -0.01	39.53 2.76 -0.87	39.74 2.64 -1.85	40.17 2.54 -0.82	42.96 1.65 0.01	55.87 1.42 0.00	67.98 0.70 2.34	70.12 0.76 0.00	52.39 0.83 0.00	43.68 1.02 0.00	40.31 1.92 0.00	37.03 2.22 -0.10
GREENWD_138_KV_38B11_REV_LBMP_J 345004	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11
GRISSOM___SOLAR 323813	36.39 0.71 0.00	34.22 0.67 0.00	33.91 0.70 0.00	32.77 0.67 0.00	33.99 0.76 0.00	35.64 0.87 0.00	44.86 1.64 0.00	54.09 1.98 0.00	48.55 0.95 0.00	37.90 0.11 0.00	36.35 -0.44 0.00	35.10 -0.53 0.00	34.43 -0.74 0.00	34.93 -0.97 0.00	34.26 -0.99 0.00	36.14 -0.66 0.00	40.90 -0.41 0.00	55.39 0.92 0.00	71.56 1.95 0.00	71.38 2.01 0.00	52.96 1.39 0.00	43.81 1.15 0.00	39.19 0.81 0.00	35.31 0.63 0.02
GROVEVILLE___HYD 323602	37.21 1.53 0.00	34.99 1.44 0.00	34.54 1.33 0.00	33.41 1.32 0.00	34.59 1.36 0.00	36.26 1.49 0.00	45.68 2.46 0.00	55.34 3.23 0.00	50.26 2.67 0.00	40.06 2.27 0.00	39.10 2.32 0.00	37.99 2.35 0.00	37.45 2.29 0.00	37.91 2.01 0.00	37.22 1.97 0.00	38.83 2.02 0.00	43.63 2.31 0.00	57.24 2.78 0.00	73.10 3.48 0.00	72.76 3.40 0.00	54.05 2.48 0.00	44.62 1.96 0.00	40.04 1.65 0.00	36.33 1.53 -0.10
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	35.46 -0.21 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.87 -0.22 0.00	32.96 -0.27 0.00	34.59 -0.17 0.00	43.26 0.04 0.00	55.90 0.16 -3.64	51.32 0.24 -3.48	40.66 0.11 -2.76	39.55 0.07 -2.69	35.67 0.04 0.00	35.17 0.00 0.00	35.69 -0.22 0.00	34.93 -0.32 0.00	36.44 -0.37 0.00	40.90 -0.41 0.00	53.92 -0.54 0.00	69.13 -0.49 0.00	68.95 -0.42 0.00	51.26 -0.31 0.00	42.36 -0.30 0.00	38.23 -0.15 0.00	34.57 -0.14 0.00
HAMLTNNY_34_KV_TB 80303	35.57 -0.11 0.00	33.42 -0.13 0.00	33.04 -0.17 0.00	31.93 -0.16 0.00	33.03 -0.20 0.00	34.70 -0.07 0.00	43.44 0.22 0.00	55.76 0.26 -3.39	51.23 0.38 -3.25	40.59 0.23 -2.58	39.48 0.18 -2.51	35.78 0.14 0.00	35.24 0.07 0.00	35.76 -0.14 0.00	35.00 -0.25 0.00	36.47 -0.33 0.00	40.98 -0.33 0.00	53.97 -0.49 0.00	69.34 -0.28 0.00	69.16 -0.21 0.00	51.36 -0.21 0.00	42.45 -0.21 0.00	38.35 -0.04 0.00	34.67 -0.03 0.00



HAMPSHIRE___PAPER_HYD 323593	36.39 0.71 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.41 0.32 0.00	33.63 0.40 0.00	35.36 0.59 0.00	43.52 0.30 0.00	54.27 0.47 -1.69	49.56 0.34 -1.62	38.92 -0.15 -1.29	37.89 -0.15 -1.25	35.46 -0.18 0.00	34.92 -0.24 0.00	35.65 -0.25 0.00	35.04 -0.21 0.00	36.73 -0.07 0.00	41.40 0.08 0.00	54.90 0.43 0.00	70.46 0.84 0.00	70.75 1.39 0.00	52.60 1.03 0.00	43.64 0.98 0.00	39.12 0.73 0.00	35.26 0.55 0.00
HARDSCRABBLE_WT_PWR 323673	37.46 1.78 0.00	35.19 1.64 0.00	34.80 1.59 0.00	33.60 1.51 0.00	34.76 1.53 0.00	36.40 1.63 0.00	45.42 2.20 0.00	54.87 2.76 0.00	50.12 2.52 0.00	39.60 1.81 0.00	38.62 1.84 0.00	37.38 1.75 0.00	36.85 1.69 0.00	37.37 1.47 0.00	36.62 1.37 0.00	38.20 1.40 0.00	42.92 1.61 0.00	56.59 2.12 0.00	72.61 2.99 0.00	72.49 3.12 0.00	53.84 2.27 0.00	44.58 1.92 0.00	40.07 1.69 0.00	36.27 1.56 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	37.18 1.50 0.00	34.93 1.38 0.00	34.47 1.26 0.00	33.34 1.25 0.00	34.53 1.30 0.00	36.26 1.49 0.00	45.77 2.55 0.00	55.45 3.34 0.00	50.41 2.81 0.00	40.17 2.38 0.00	39.25 2.46 0.00	38.13 2.49 0.00	37.59 2.43 0.00	38.06 2.15 0.00	37.30 2.04 0.00	38.90 2.10 0.00	43.71 2.40 0.00	57.30 2.83 0.00	73.24 3.62 0.00	72.90 3.54 0.00	53.99 2.42 0.00	44.58 1.92 0.00	40.04 1.65 0.00	36.31 1.53 -0.08
HARSNRAD_115KV_TB1 81005	35.64 -0.04 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	34.91 0.14 0.00	43.52 0.30 0.00	55.64 -1.09 -4.62	52.31 0.29 -4.43	41.49 0.19 -3.51	40.28 0.07 -3.42	35.85 0.21 0.00	35.38 0.21 0.00	35.65 -0.25 0.00	34.76 -0.49 0.00	35.81 -0.99 0.00	39.66 -1.65 0.00	51.09 -3.38 0.00	65.93 -3.69 0.00	66.04 -3.33 0.00	49.35 -2.22 0.00	40.95 -1.71 0.00	38.31 -0.08 0.00	34.74 0.03 0.00
HARZA MOOSE___RIVER 24016	36.39 0.71 0.00	34.25 0.70 0.00	33.87 0.66 0.00	32.38 0.29 0.00	33.60 0.37 0.00	35.32 0.56 0.00	44.04 0.82 0.00	54.54 1.25 -1.18	49.73 1.00 -1.13	38.91 0.23 -0.90	37.92 0.26 -0.88	35.81 0.18 0.00	35.34 0.18 0.00	35.83 -0.07 0.00	35.14 -0.11 0.00	36.80 0.00 0.00	41.48 0.17 0.00	54.95 0.49 0.00	70.80 1.18 0.00	70.89 1.53 0.00	52.60 1.03 0.00	43.51 0.85 0.00	39.00 0.61 0.00	35.19 0.49 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	35.25 -0.43 0.00	33.11 -0.44 0.00	32.78 -0.43 0.00	31.67 -0.42 0.00	32.80 -0.43 0.00	34.42 -0.35 0.00	43.00 -0.22 0.00	51.90 -0.21 0.00	47.55 -0.05 0.00	37.67 -0.11 0.00	36.71 -0.07 0.00	35.53 -0.11 0.00	35.03 -0.14 0.00	35.54 -0.36 0.00	34.79 -0.46 0.00	36.29 -0.52 0.00	40.70 -0.62 0.00	53.54 -0.93 0.00	68.64 -0.97 0.00	68.46 -0.90 0.00	50.90 -0.67 0.00	42.06 -0.60 0.00	38.04 -0.35 0.00	34.36 -0.35 0.00
HELLGATE_13_KV_LD 55870	37.75 2.07 0.00	35.50 1.95 -0.01	34.98 1.76 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.78 2.02 0.00	45.99 2.77 0.00	55.86 3.75 0.00	50.74 3.14 0.00	40.82 3.02 -0.01	39.89 3.09 -0.02	38.79 3.14 -0.02	38.28 3.02 -0.09	38.72 2.80 -0.02	38.05 2.71 -0.09	39.62 2.80 -0.02	44.26 2.93 -0.02	57.62 3.16 0.00	73.31 3.69 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.79 2.13 0.00	40.42 2.03 0.00	36.86 2.05 -0.11
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	37.75 2.07 0.00	35.50 1.95 -0.01	34.98 1.76 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.78 2.02 0.00	45.99 2.77 0.00	55.86 3.75 0.00	50.74 3.14 0.00	40.82 3.02 -0.01	39.89 3.09 -0.02	38.79 3.14 -0.02	38.28 3.02 -0.09	38.72 2.80 -0.02	38.05 2.71 -0.09	39.62 2.80 -0.02	44.26 2.93 -0.02	57.62 3.16 0.00	73.31 3.69 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.79 2.13 0.00	40.42 2.03 0.00	36.86 2.05 -0.11
HEMPSTEAD____ 23647	37.68 2.00 0.00	35.46 1.91 0.00	34.90 1.69 0.00	33.79 1.70 0.00	35.09 1.86 0.00	37.65 2.09 -0.80	45.81 2.59 0.00	54.87 2.76 0.00	49.74 2.14 0.00	40.81 3.02 0.00	39.78 2.98 -0.02	38.71 3.07 -0.02	38.21 3.02 -0.02	39.87 2.69 -1.27	40.60 2.65 -2.71	40.70 2.69 -1.21	43.83 2.52 0.00	57.13 2.67 0.00	71.43 2.23 0.42	71.58 2.22 0.00	53.42 1.85 0.00	44.37 1.71 0.00	40.38 1.99 0.00	36.65 1.84 -0.10
HICKLING___1 23621	36.00 0.32 0.00	33.79 0.23 0.00	33.41 0.20 0.00	32.35 0.26 0.00	33.43 0.20 0.00	35.32 0.56 0.00	44.60 1.38 0.00	53.94 1.82 0.00	49.74 2.14 0.00	39.23 1.44 0.00	38.15 1.36 0.00	36.38 0.75 0.00	35.87 0.70 0.00	36.15 0.25 0.00	35.18 -0.07 0.00	36.44 -0.37 0.00	40.82 -0.50 0.00	53.76 -0.71 0.00	69.69 0.07 0.00	69.57 0.21 0.00	51.52 -0.05 0.00	42.53 -0.13 0.00	38.85 0.46 0.00	35.19 0.49 0.00
HICKLING___2 23622	36.00 0.32 0.00	33.79 0.23 0.00	33.41 0.20 0.00	32.35 0.26 0.00	33.43 0.20 0.00	35.32 0.56 0.00	44.60 1.38 0.00	53.94 1.82 0.00	49.74 2.14 0.00	39.23 1.44 0.00	38.15 1.36 0.00	36.38 0.75 0.00	35.87 0.70 0.00	36.15 0.25 0.00	35.18 -0.07 0.00	36.44 -0.37 0.00	40.82 -0.50 0.00	53.76 -0.71 0.00	69.69 0.07 0.00	69.57 0.21 0.00	51.52 -0.05 0.00	42.53 -0.13 0.00	38.85 0.46 0.00	35.19 0.49 0.00
HIGH FALLS___HY 23754	37.50 1.82 0.00	35.26 1.71 0.00	34.77 1.56 0.00	33.60 1.51 0.00	34.82 1.60 0.00	36.54 1.77 0.00	46.12 2.90 0.00	55.86 3.75 0.00	50.74 3.14 0.00	40.32 2.53 0.00	39.40 2.61 0.00	38.24 2.60 0.00	37.66 2.50 0.00	38.16 2.26 0.00	37.43 2.19 0.00	39.05 2.25 0.00	44.00 2.69 0.00	57.79 3.32 0.00	73.79 4.18 0.00	73.67 4.30 0.00	54.56 2.99 0.00	45.00 2.35 0.00	40.38 2.00 0.00	36.58 1.80 -0.07
HIGH_RIVER___SOLAR 323847	36.28 0.61 0.00	34.12 0.57 0.00	33.81 0.60 0.00	32.67 0.58 0.00	33.89 0.66 0.00	35.50 0.73 0.00	44.64 1.42 0.00	53.78 1.67 0.00	48.17 0.57 0.00	37.71 -0.08 0.00	36.38 -0.40 0.00	35.24 -0.39 0.00	34.67 -0.49 0.00	35.18 -0.72 0.00	34.51 -0.74 0.00	36.25 -0.55 0.00	40.86 -0.45 0.00	55.06 0.60 0.00	71.29 1.67 0.00	71.10 1.73 0.00	52.81 1.24 0.00	43.64 0.98 0.00	39.08 0.69 0.00	35.20 0.52 0.03
HILLBURN___GT 23639	37.11 1.43 0.00	34.86 1.31 0.00	34.40 1.19 0.00	33.28 1.19 0.00	34.49 1.26 0.00	36.19 1.43 0.00	45.64 2.42 0.00	55.34 3.23 0.00	50.36 2.76 0.00	40.24 2.45 0.00	39.29 2.50 0.00	38.20 2.57 0.00	37.70 2.53 0.00	38.13 2.23 0.00	37.40 2.15 0.00	38.98 2.17 0.00	43.75 2.44 0.00	57.35 2.88 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.53 1.87 0.00	40.00 1.61 0.00	36.14 1.35 -0.08
HILLSIDE_115KV_TB1 80332	35.61 -0.07 0.00	33.42 -0.13 0.00	33.04 -0.17 0.00	32.00 -0.10 0.00	33.06 -0.17 0.00	34.91 0.14 0.00	44.08 0.86 0.00	53.42 1.30 0.00	49.22 1.62 0.00	38.81 1.02 0.00	37.78 0.99 0.00	35.99 0.36 0.00	35.48 0.32 0.00	35.83 -0.07 0.00	34.90 -0.35 0.00	36.14 -0.66 0.00	40.49 -0.83 0.00	53.27 -1.20 0.00	68.92 -0.70 0.00	68.81 -0.55 0.00	50.90 -0.67 0.00	42.06 -0.60 0.00	38.35 -0.04 0.00	34.75 0.03 -0.01



HISHELDN_WT_PWR 323625	35.64 -0.04 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.19 0.42 0.00	44.39 1.17 0.00	55.86 0.31 -3.43	51.98 1.10 -3.29	41.11 0.72 -2.61	40.21 0.88 -2.54	35.92 0.28 0.00	35.45 0.28 0.00	35.65 -0.25 0.00	34.72 -0.53 0.00	35.85 -0.96 0.00	39.79 -1.53 0.00	51.52 -2.94 0.00	67.18 -2.44 0.00	67.14 -2.22 0.00	50.07 -1.50 0.00	41.59 -1.06 0.00	38.46 0.08 0.00	35.40 0.69 0.00
HOLTSVILLE_IC_1 23690	37.78 2.10 0.00	35.50 1.95 0.00	34.90 1.69 0.00	33.82 1.73 0.00	35.16 1.93 0.00	37.96 2.40 -0.80	45.73 2.51 0.00	54.09 1.98 0.00	48.93 1.33 0.00	40.70 2.91 0.00	39.59 2.79 -0.01	38.60 2.96 -0.01	38.03 2.85 -0.01	39.32 2.59 -0.84	39.49 2.47 -1.78	40.06 2.47 -0.79	43.30 1.98 0.00	56.09 1.63 0.00	69.33 0.35 0.63	69.85 0.49 0.00	52.45 0.88 0.00	43.85 1.19 0.00	40.42 2.03 0.00	36.75 1.94 -0.10
HOLTSVILLE_IC_10 23699	37.93 2.25 0.00	35.63 2.08 0.00	35.00 1.79 0.00	33.92 1.83 0.00	35.29 2.06 0.00	38.10 2.54 -0.80	45.94 2.72 0.00	54.30 2.19 0.00	49.12 1.52 0.00	40.85 3.06 0.00	39.77 2.98 -0.01	38.74 3.10 -0.01	38.17 2.99 -0.01	39.48 2.73 -0.85	39.62 2.57 -1.80	40.18 2.58 -0.80	43.42 2.11 0.00	56.31 1.85 0.00	69.45 0.63 0.79	70.20 0.84 0.00	52.70 1.13 0.00	44.06 1.41 0.00	40.61 2.23 0.00	36.89 2.08 -0.10
HOLTSVILLE_IC_2 23691	37.78 2.10 0.00	35.50 1.95 0.00	34.90 1.69 0.00	33.82 1.73 0.00	35.16 1.93 0.00	37.96 2.40 -0.80	45.73 2.51 0.00	54.09 1.98 0.00	48.93 1.33 0.00	40.70 2.91 0.00	39.59 2.79 -0.01	38.60 2.96 -0.01	38.03 2.85 -0.01	39.32 2.59 -0.84	39.49 2.47 -1.78	40.06 2.47 -0.79	43.30 1.98 0.00	56.09 1.63 0.00	69.33 0.35 0.63	69.85 0.49 0.00	52.45 0.88 0.00	43.85 1.19 0.00	40.42 2.03 0.00	36.75 1.94 -0.10
HOLTSVILLE_IC_3 23692	37.78 2.10 0.00	35.50 1.95 0.00	34.90 1.69 0.00	33.82 1.73 0.00	35.16 1.93 0.00	37.96 2.40 -0.80	45.73 2.51 0.00	54.09 1.98 0.00	48.93 1.33 0.00	40.70 2.91 0.00	39.59 2.79 -0.01	38.60 2.96 -0.01	38.03 2.85 -0.01	39.32 2.59 -0.84	39.49 2.47 -1.78	40.06 2.47 -0.79	43.30 1.98 0.00	56.09 1.63 0.00	69.33 0.35 0.63	69.85 0.49 0.00	52.45 0.88 0.00	43.85 1.19 0.00	40.42 2.03 0.00	36.75 1.94 -0.10
HOLTSVILLE_IC_4 23693	37.78 2.10 0.00	35.50 1.95 0.00	34.90 1.69 0.00	33.82 1.73 0.00	35.16 1.93 0.00	37.96 2.40 -0.80	45.73 2.51 0.00	54.09 1.98 0.00	48.93 1.33 0.00	40.70 2.91 0.00	39.59 2.79 -0.01	38.60 2.96 -0.01	38.03 2.85 -0.01	39.32 2.59 -0.84	39.49 2.47 -1.78	40.06 2.47 -0.79	43.30 1.98 0.00	56.09 1.63 0.00	69.33 0.35 0.63	69.85 0.49 0.00	52.45 0.88 0.00	43.85 1.19 0.00	40.42 2.03 0.00	36.75 1.94 -0.10
HOLTSVILLE_IC_5 23694	37.78 2.10 0.00	35.50 1.95 0.00	34.90 1.69 0.00	33.82 1.73 0.00	35.16 1.93 0.00	37.96 2.40 -0.80	45.73 2.51 0.00	54.09 1.98 0.00	48.93 1.33 0.00	40.70 2.91 0.00	39.59 2.79 -0.01	38.60 2.96 -0.01	38.03 2.85 -0.01	39.32 2.59 -0.84	39.49 2.47 -1.78	40.06 2.47 -0.79	43.30 1.98 0.00	56.09 1.63 0.00	69.33 0.35 0.63	69.85 0.49 0.00	52.45 0.88 0.00	43.85 1.19 0.00	40.42 2.03 0.00	36.75 1.94 -0.10
HOLTSVILLE_IC_6 23695	37.93 2.25 0.00	35.63 2.08 0.00	35.00 1.79 0.00	33.92 1.83 0.00	35.29 2.06 0.00	38.10 2.54 -0.80	45.94 2.72 0.00	54.30 2.19 0.00	49.12 1.52 0.00	40.85 3.06 0.00	39.77 2.98 -0.01	38.74 3.10 -0.01	38.17 2.99 -0.01	39.48 2.73 -0.85	39.62 2.57 -1.80	40.18 2.58 -0.80	43.42 2.11 0.00	56.31 1.85 0.00	69.45 0.63 0.79	70.20 0.84 0.00	52.70 1.13 0.00	44.06 1.41 0.00	40.61 2.23 0.00	36.89 2.08 -0.10
HOLTSVILLE_IC_7 23696	37.93 2.25 0.00	35.63 2.08 0.00	35.00 1.79 0.00	33.92 1.83 0.00	35.29 2.06 0.00	38.10 2.54 -0.80	45.94 2.72 0.00	54.30 2.19 0.00	49.12 1.52 0.00	40.85 3.06 0.00	39.77 2.98 -0.01	38.74 3.10 -0.01	38.17 2.99 -0.01	39.48 2.73 -0.85	39.62 2.57 -1.80	40.18 2.58 -0.80	43.42 2.11 0.00	56.31 1.85 0.00	69.45 0.63 0.79	70.20 0.84 0.00	52.70 1.13 0.00	44.06 1.41 0.00	40.61 2.23 0.00	36.89 2.08 -0.10
HOLTSVILLE_IC_8 23697	37.93 2.25 0.00	35.63 2.08 0.00	35.00 1.79 0.00	33.92 1.83 0.00	35.29 2.06 0.00	38.10 2.54 -0.80	45.94 2.72 0.00	54.30 2.19 0.00	49.12 1.52 0.00	40.85 3.06 0.00	39.77 2.98 -0.01	38.74 3.10 -0.01	38.17 2.99 -0.01	39.48 2.73 -0.85	39.62 2.57 -1.80	40.18 2.58 -0.80	43.42 2.11 0.00	56.31 1.85 0.00	69.45 0.63 0.79	70.20 0.84 0.00	52.70 1.13 0.00	44.06 1.41 0.00	40.61 2.23 0.00	36.89 2.08 -0.10
HOLTSVILLE_IC_9 23698	37.93 2.25 0.00	35.63 2.08 0.00	35.00 1.79 0.00	33.92 1.83 0.00	35.29 2.06 0.00	38.10 2.54 -0.80	45.94 2.72 0.00	54.30 2.19 0.00	49.12 1.52 0.00	40.85 3.06 0.00	39.77 2.98 -0.01	38.74 3.10 -0.01	38.17 2.99 -0.01	39.48 2.73 -0.85	39.62 2.57 -1.80	40.18 2.58 -0.80	43.42 2.11 0.00	56.31 1.85 0.00	69.45 0.63 0.79	70.20 0.84 0.00	52.70 1.13 0.00	44.06 1.41 0.00	40.61 2.23 0.00	36.89 2.08 -0.10
HOMER_HL_115KV_TB2 355744	35.21 -0.46 0.00	33.05 -0.50 0.00	32.68 -0.53 0.00	31.71 -0.39 0.00	32.73 -0.50 0.00	34.70 -0.07 0.00	44.00 0.78 0.00	58.19 2.66 -3.43	54.12 3.24 -3.28	42.62 2.23 -2.60	41.49 2.17 -2.53	35.78 0.14 0.00	35.34 0.18 0.00	35.58 -0.32 0.00	34.51 -0.74 0.00	35.55 -1.25 0.00	39.70 -1.61 0.00	51.90 -2.56 0.00	67.53 -2.09 0.00	67.56 -1.80 0.00	49.82 -1.75 0.00	41.21 -1.45 0.00	37.93 -0.46 0.00	34.36 -0.35 0.00
HOWARD_WT_PWR 323690	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.12 0.03 0.00	33.20 -0.03 0.00	35.25 0.49 0.00	44.64 1.42 0.00	55.25 1.15 -2.00	51.13 1.62 -1.92	40.29 0.98 -1.52	39.29 1.03 -1.48	35.95 0.32 0.00	35.38 0.21 0.00	35.54 -0.36 0.00	34.62 -0.63 0.00	35.77 -1.03 0.00	39.87 -1.45 0.00	52.45 -2.01 0.00	68.50 -1.12 0.00	68.46 -0.90 0.00	50.85 -0.72 0.00	42.10 -0.56 0.00	38.69 0.31 0.00	35.44 0.73 0.00
HQ_GEN_CEDARS 23644	36.14 0.46 0.00	34.05 0.50 0.00	33.64 0.43 0.00	32.44 0.35 0.00	33.60 0.37 0.00	35.22 0.45 0.00	43.09 -0.13 0.00	51.80 -0.31 0.00	47.45 -0.14 0.00	37.64 -0.15 0.00	36.64 -0.15 0.00	35.46 -0.18 0.00	34.99 -0.18 0.00	35.97 0.07 0.00	35.46 0.21 0.00	37.14 0.33 0.00	41.77 0.45 0.00	55.28 0.82 0.00	70.59 0.97 0.00	70.41 1.04 0.00	52.29 0.72 0.00	43.30 0.64 0.00	38.89 0.50 0.00	35.16 0.45 0.00
HQ_GEN_CEDARS_PROXY 323590	36.14 0.46 0.00	34.05 0.50 0.00	33.64 0.43 0.00	32.45 0.35 0.00	33.60 0.37 0.00	35.19 0.45 0.03	43.12 -0.13 -0.03	51.75 -0.36 0.00	47.45 -0.14 0.00	37.64 -0.15 0.00	36.64 -0.15 0.00	35.46 -0.18 0.00	34.96 -0.21 0.00	36.01 0.11 0.00	35.46 0.21 0.00	37.13 0.33 0.00	41.77 0.46 0.00	55.28 0.82 0.00	70.66 1.05 0.00	70.62 1.25 0.00	52.29 0.72 0.00	43.30 0.64 0.00	38.89 0.50 0.00	35.16 0.45 0.00



HQ_GEN_IMPORT 323601	35.82 0.14 0.00	33.69 0.13 0.00	33.34 0.13 0.00	32.22 0.13 0.00	33.33 0.10 0.00	85.00 0.10 -50.13	-7.30 -0.39 50.13	51.49 -0.62 0.00	47.12 -0.48 0.00	37.41 -0.38 0.00	36.38 -0.40 0.00	35.24 -0.39 0.00	-14.28 -0.35 49.10	85.00 0.00 -49.10	35.32 0.07 0.00	36.91 0.11 0.00	41.48 0.17 0.00	54.79 0.33 0.00	70.04 0.42 0.00	69.85 0.49 0.00	51.73 0.16 0.00	42.83 0.17 0.00	38.50 0.12 0.00	34.81 0.10 0.00
HQ_GEN_WHEEL 23651	35.82 0.14 0.00	33.69 0.13 0.00	33.34 0.13 0.00	32.22 0.13 0.00	33.33 0.10 0.00	85.00 0.10 -50.13	-7.30 -0.39 50.13	51.49 -0.62 0.00	47.12 -0.48 0.00	37.41 -0.38 0.00	36.38 -0.40 0.00	35.24 -0.39 0.00	-14.28 -0.35 49.10	85.00 0.00 -49.10	35.32 0.07 0.00	36.91 0.11 0.00	41.48 0.17 0.00	54.79 0.33 0.00	70.04 0.42 0.00	69.85 0.49 0.00	51.73 0.16 0.00	42.83 0.17 0.00	38.50 0.12 0.00	34.81 0.10 0.00
HUDSON AVE_GT_3 23810	37.43 1.75 0.00	35.19 1.64 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.54 1.77 0.00	45.99 2.77 0.00	55.76 3.65 0.00	50.74 3.14 0.00	40.70 2.91 -0.01	39.82 3.02 -0.01	38.68 3.03 -0.01	38.19 2.95 -0.07	38.61 2.69 -0.01	37.97 2.64 -0.07	39.50 2.69 -0.01	44.22 2.89 -0.01	57.62 3.16 0.00	73.38 3.76 0.00	73.04 3.68 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
HUDSON AVE_GT_4 23540	37.43 1.75 0.00	35.19 1.64 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.54 1.77 0.00	45.99 2.77 0.00	55.76 3.65 0.00	50.74 3.14 0.00	40.70 2.91 -0.01	39.82 3.02 -0.01	38.68 3.03 -0.01	38.19 2.95 -0.07	38.61 2.69 -0.01	37.97 2.64 -0.07	39.50 2.69 -0.01	44.22 2.89 -0.01	57.62 3.16 0.00	73.38 3.76 0.00	73.04 3.68 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
HUDSON AVE_GT_5 23657	37.43 1.75 0.00	35.19 1.64 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.54 1.77 0.00	45.99 2.77 0.00	55.76 3.65 0.00	50.74 3.14 0.00	40.70 2.91 -0.01	39.82 3.02 -0.01	38.68 3.03 -0.01	38.19 2.95 -0.07	38.61 2.69 -0.01	37.97 2.64 -0.07	39.50 2.69 -0.01	44.22 2.89 -0.01	57.62 3.16 0.00	73.38 3.76 0.00	73.04 3.68 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
HUDSON_AVE_10 24168	37.32 1.64 0.00	35.13 1.58 0.00	34.60 1.39 0.00	33.44 1.35 0.00	34.66 1.43 0.00	36.44 1.67 0.00	45.86 2.64 0.00	55.66 3.54 0.00	50.64 3.05 0.00	40.63 2.83 -0.01	39.71 2.91 -0.01	38.57 2.92 -0.01	38.09 2.85 -0.07	38.50 2.58 -0.01	37.90 2.57 -0.07	39.39 2.58 -0.01	44.10 2.77 -0.01	57.51 3.05 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.51 1.70 -0.10
HUDSON___115KV_TB 4 355613	36.43 0.75 0.00	34.29 0.74 0.00	33.97 0.76 0.00	32.83 0.74 0.00	34.03 0.80 0.00	36.12 1.36 0.00	45.55 2.33 0.00	55.03 2.92 0.00	49.74 2.14 0.00	39.11 1.32 0.00	37.85 1.07 0.00	36.67 1.03 0.00	36.12 0.95 0.00	36.62 0.72 0.00	35.99 0.74 0.00	37.76 0.96 0.00	42.18 0.87 0.00	55.93 1.47 0.00	71.71 2.09 0.00	71.38 2.01 0.00	53.01 1.44 0.00	43.77 1.11 0.00	39.16 0.77 0.00	35.58 0.90 0.02
HUNTER MOUNT___DRP 323613	36.46 0.78 0.00	34.32 0.77 0.00	33.97 0.76 0.00	32.86 0.77 0.00	34.06 0.83 0.00	35.91 1.15 0.00	45.25 2.03 0.00	54.72 2.61 0.00	49.45 1.86 0.00	38.88 1.10 0.00	37.67 0.88 0.00	36.45 0.82 0.00	35.90 0.74 0.00	36.40 0.50 0.00	35.81 0.56 0.00	37.54 0.74 0.00	42.14 0.83 0.00	55.93 1.47 0.00	71.78 2.16 0.00	71.45 2.08 0.00	53.12 1.55 0.00	43.77 1.11 0.00	39.16 0.77 0.00	35.74 1.04 0.01
HUNTINGTON_RES_REC 323705	37.82 2.14 0.00	35.53 1.98 0.00	34.94 1.73 0.00	33.89 1.80 0.00	35.22 1.99 0.00	37.96 2.40 -0.80	45.55 2.33 0.00	53.98 1.87 0.00	48.88 1.29 0.00	40.92 3.13 0.00	39.74 2.94 -0.01	38.81 3.17 -0.01	38.24 3.06 -0.01	39.52 2.76 -0.85	39.74 2.68 -1.82	40.23 2.61 -0.81	43.25 1.94 0.00	56.20 1.74 0.00	68.39 0.55 1.78	70.06 0.69 0.00	52.55 0.98 0.00	43.76 1.11 0.00	40.46 2.07 0.00	36.85 2.05 -0.10
HUNTLEY___63 23557	36.00 0.32 0.00	33.89 0.34 0.00	33.48 0.27 0.00	32.48 0.39 0.00	33.46 0.23 0.00	35.29 0.52 0.00	43.87 0.65 0.00	56.17 -0.36 -4.42	52.69 0.86 -4.24	41.75 0.60 -3.36	40.57 0.52 -3.27	36.17 0.53 0.00	35.69 0.53 0.00	35.97 0.07 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	39.95 -1.36 0.00	51.52 -2.94 0.00	66.48 -3.13 0.00	66.59 -2.77 0.00	49.71 -1.86 0.00	41.29 -1.37 0.00	38.58 0.19 0.00	35.12 0.42 0.00
HUNTLEY___64 23558	36.00 0.32 0.00	33.89 0.34 0.00	33.48 0.27 0.00	32.48 0.39 0.00	33.46 0.23 0.00	35.29 0.52 0.00	43.87 0.65 0.00	56.17 -0.36 -4.42	52.69 0.86 -4.24	41.75 0.60 -3.36	40.57 0.52 -3.27	36.17 0.53 0.00	35.69 0.53 0.00	35.97 0.07 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	39.95 -1.36 0.00	51.52 -2.94 0.00	66.48 -3.13 0.00	66.59 -2.77 0.00	49.71 -1.86 0.00	41.29 -1.37 0.00	38.58 0.19 0.00	35.12 0.42 0.00
HUNTLEY___65 23559	36.00 0.32 0.00	33.89 0.34 0.00	33.48 0.27 0.00	32.48 0.39 0.00	33.46 0.23 0.00	35.29 0.52 0.00	43.87 0.65 0.00	56.17 -0.36 -4.42	52.69 0.86 -4.24	41.75 0.60 -3.36	40.57 0.52 -3.27	36.17 0.53 0.00	35.69 0.53 0.00	35.97 0.07 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	39.95 -1.36 0.00	51.52 -2.94 0.00	66.48 -3.13 0.00	66.59 -2.77 0.00	49.71 -1.86 0.00	41.29 -1.37 0.00	38.58 0.19 0.00	35.12 0.42 0.00
HUNTLEY___66 23560	36.00 0.32 0.00	33.89 0.34 0.00	33.48 0.27 0.00	32.48 0.39 0.00	33.46 0.23 0.00	35.29 0.52 0.00	43.87 0.65 0.00	56.17 -0.36 -4.42	52.69 0.86 -4.24	41.75 0.60 -3.36	40.57 0.52 -3.27	36.17 0.53 0.00	35.69 0.53 0.00	35.97 0.07 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	39.95 -1.36 0.00	51.52 -2.94 0.00	66.48 -3.13 0.00	66.59 -2.77 0.00	49.71 -1.86 0.00	41.29 -1.37 0.00	38.58 0.19 0.00	35.12 0.42 0.00
HUNTLEY___67 23561	35.64 -0.04 0.00	33.52 -0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	34.94 0.17 0.00	43.65 0.43 0.00	55.70 -0.78 -4.37	52.17 0.38 -4.19	41.33 0.23 -3.32	40.16 0.15 -3.23	35.96 0.32 0.00	35.48 0.32 0.00	35.76 -0.14 0.00	34.83 -0.42 0.00	35.92 -0.88 0.00	39.79 -1.53 0.00	51.30 -3.16 0.00	66.21 -3.41 0.00	66.24 -3.12 0.00	49.51 -2.06 0.00	41.08 -1.58 0.00	38.35 -0.04 0.00	34.78 0.07 0.00
HUNTLEY___68 23562	35.64 -0.04 0.00	33.52 -0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	34.94 0.17 0.00	43.65 0.43 0.00	55.70 -0.78 -4.37	52.17 0.38 -4.19	41.33 0.23 -3.32	40.16 0.15 -3.23	35.96 0.32 0.00	35.48 0.32 0.00	35.76 -0.14 0.00	34.83 -0.42 0.00	35.92 -0.88 0.00	39.79 -1.53 0.00	51.30 -3.16 0.00	66.21 -3.41 0.00	66.24 -3.12 0.00	49.51 -2.06 0.00	41.08 -1.58 0.00	38.35 -0.04 0.00	34.78 0.07 0.00



HYLAND___LFGE 323620	37.18 1.50 0.00	34.99 1.44 0.00	34.47 1.26 0.00	33.41 1.32 0.00	34.49 1.26 0.00	36.64 1.88 0.00	46.42 3.20 0.00	58.82 2.97 -3.74	54.08 2.90 -3.58	42.18 1.55 -2.84	40.73 1.18 -2.77	36.42 0.78 0.00	35.80 0.63 0.00	36.30 0.40 0.00	35.50 0.25 0.00	36.91 0.11 0.00	40.16 -1.16 0.00	53.10 -1.36 0.00	69.48 -0.14 0.00	69.71 0.35 0.00	51.83 0.26 0.00	42.83 0.17 0.00	40.34 1.96 0.00	36.89 2.19 0.00
INDECK___CORINTH 23802	36.11 0.43 0.00	33.95 0.40 0.00	33.64 0.43 0.00	32.60 0.51 0.00	33.73 0.50 0.00	35.22 0.45 0.00	44.30 1.08 0.00	53.46 1.35 0.00	48.45 0.86 0.00	38.32 0.53 0.00	37.01 0.22 0.00	35.92 0.28 0.00	35.38 0.21 0.00	35.90 0.00 0.00	35.11 -0.14 0.00	36.91 0.11 0.00	41.56 0.25 0.00	55.28 0.82 0.00	70.94 1.32 0.00	70.62 1.25 0.00	52.50 0.93 0.00	43.30 0.64 0.00	38.73 0.34 0.00	34.84 0.17 0.04
INDECK___ILION 23567	36.68 1.00 0.00	34.49 0.94 0.00	34.11 0.90 0.00	32.96 0.87 0.00	34.13 0.90 0.00	35.71 0.94 0.00	44.56 1.34 0.00	53.83 1.72 0.00	49.12 1.52 0.00	38.88 1.10 0.00	37.93 1.14 0.00	36.70 1.07 0.00	36.22 1.05 0.00	36.80 0.90 0.00	36.06 0.81 0.00	37.65 0.85 0.00	42.27 0.95 0.00	55.77 1.31 0.00	71.43 1.81 0.00	71.24 1.87 0.00	52.96 1.39 0.00	43.77 1.11 0.00	39.39 1.00 0.00	35.61 0.90 0.00
INDECK___OLEAN 23982	35.21 -0.46 0.00	33.08 -0.47 0.00	32.68 -0.53 0.00	31.71 -0.38 0.00	32.73 -0.50 0.00	34.87 0.10 0.00	44.43 1.21 0.00	58.40 2.86 -3.43	54.21 3.33 -3.28	42.66 2.27 -2.60	41.78 2.46 -2.53	35.78 0.14 0.00	35.38 0.21 0.00	35.58 -0.32 0.00	34.54 -0.70 0.00	35.59 -1.21 0.00	39.74 -1.57 0.00	51.69 -2.78 0.00	67.53 -2.09 0.00	67.63 -1.73 0.00	49.92 -1.65 0.00	41.34 -1.32 0.00	37.93 -0.46 0.00	34.85 0.14 0.00
INDECK___OSWEGO 23783	34.93 -0.75 0.00	32.81 -0.74 0.00	32.48 -0.73 0.00	31.35 -0.74 0.00	32.47 -0.76 0.00	34.07 -0.70 0.00	42.23 -0.99 0.00	61.13 -1.25 -10.27	56.39 -1.05 -9.84	44.69 -0.91 -7.81	43.50 -0.88 -7.60	34.75 -0.89 0.00	34.25 -0.91 0.00	34.82 -1.08 0.00	34.12 -1.13 0.00	35.59 -1.21 0.00	39.95 -1.36 0.00	52.56 -1.91 0.00	67.39 -2.23 0.00	67.21 -2.15 0.00	49.97 -1.60 0.00	41.42 -1.24 0.00	37.66 -0.73 0.00	34.08 -0.62 0.00
INDECK___YERKES 23781	36.04 0.36 0.00	33.95 0.40 0.00	33.51 0.30 0.00	32.51 0.42 0.00	33.49 0.26 0.00	35.57 0.80 0.00	44.52 1.30 0.00	56.48 -0.05 -4.42	52.84 1.00 -4.24	41.83 0.68 -3.36	41.01 0.95 -3.27	36.20 0.57 0.00	35.73 0.56 0.00	36.01 0.11 0.00	35.11 -0.14 0.00	36.18 -0.63 0.00	40.03 -1.28 0.00	51.30 -3.16 0.00	66.70 -2.92 0.00	66.66 -2.71 0.00	49.87 -1.70 0.00	41.51 -1.15 0.00	38.62 0.23 0.00	35.85 1.14 0.00
INDIAN POINT_GT_1 24139	37.07 1.39 0.00	34.83 1.27 0.00	34.37 1.16 0.00	33.25 1.16 0.00	34.43 1.20 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.19 3.07 0.00	50.12 2.52 0.00	40.13 2.34 0.00	39.21 2.43 0.00	38.09 2.46 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.33 2.08 0.00	38.90 2.10 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.18 1.39 -0.09
INDIAN POINT_GT_2 23659	37.07 1.39 0.00	34.83 1.27 0.00	34.37 1.16 0.00	33.25 1.16 0.00	34.43 1.20 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.19 3.07 0.00	50.12 2.52 0.00	40.13 2.34 0.00	39.21 2.43 0.00	38.09 2.46 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.33 2.08 0.00	38.90 2.10 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.18 1.39 -0.09
INDIAN POINT_GT_3 24019	37.07 1.39 0.00	34.83 1.27 0.00	34.37 1.16 0.00	33.25 1.16 0.00	34.43 1.20 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.19 3.07 0.00	50.12 2.52 0.00	40.13 2.34 0.00	39.21 2.43 0.00	38.09 2.46 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.33 2.08 0.00	38.90 2.10 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.18 1.39 -0.09
INDIAN POINT___2 23530	37.07 1.39 0.00	34.82 1.27 0.00	34.37 1.16 0.00	33.25 1.15 0.00	34.46 1.23 0.00	36.12 1.35 0.00	45.47 2.25 0.00	55.19 3.07 0.00	50.17 2.57 0.00	40.17 2.38 0.00	39.21 2.43 0.00	38.13 2.49 0.00	37.63 2.46 0.00	38.06 2.15 0.00	37.37 2.11 0.00	38.94 2.13 0.00	43.67 2.35 0.00	57.19 2.72 0.00	72.68 3.06 0.00	72.41 3.05 0.00	53.74 2.17 0.00	44.45 1.79 0.00	39.92 1.54 0.00	36.08 1.28 -0.09
INDIAN POINT___3 23531	37.03 1.36 0.00	34.83 1.27 0.00	34.37 1.16 0.00	33.21 1.12 0.00	34.43 1.20 0.00	36.16 1.39 0.00	45.51 2.29 0.00	55.13 3.02 0.00	50.07 2.48 0.00	40.09 2.31 0.00	39.21 2.43 0.00	38.06 2.42 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.30 2.04 0.00	38.87 2.06 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.11 0.00	44.37 1.71 0.00	39.85 1.46 0.00	36.18 1.39 -0.08
INGHAM_C_115KV_TB7 356103	37.96 2.28 0.00	35.70 2.15 0.00	35.30 2.09 0.00	34.05 1.96 0.00	35.26 2.03 0.00	36.92 2.16 0.00	46.07 2.85 0.00	55.60 3.49 0.00	50.83 3.24 0.00	40.17 2.38 0.00	39.18 2.39 0.00	37.92 2.28 0.00	37.38 2.22 0.00	37.91 2.01 0.00	37.12 1.87 0.00	38.75 1.95 0.00	43.55 2.23 0.00	57.35 2.89 0.00	73.59 3.97 0.00	73.53 4.16 0.00	54.61 3.04 0.00	45.18 2.52 0.00	40.69 2.30 0.00	36.79 2.08 0.00
IP CORINTH___1 23988	36.32 0.64 0.00	34.19 0.64 0.00	33.84 0.63 0.00	32.77 0.67 0.00	33.93 0.70 0.00	35.43 0.66 0.00	44.60 1.38 0.00	53.78 1.67 0.00	48.69 1.09 0.00	38.54 0.76 0.00	37.30 0.52 0.00	36.13 0.50 0.00	35.59 0.42 0.00	36.12 0.22 0.00	35.32 0.07 0.00	37.14 0.33 0.00	41.77 0.45 0.00	55.55 1.09 0.00	71.43 1.81 0.00	71.03 1.66 0.00	52.76 1.19 0.00	43.55 0.90 0.00	38.96 0.58 0.00	35.12 0.45 0.04
IP___TICONDEROGA 23804	37.50 1.82 0.00	35.29 1.74 0.00	34.94 1.73 0.00	33.86 1.77 0.00	35.06 1.83 0.00	36.68 1.91 0.00	46.29 3.07 0.00	55.71 3.60 0.00	50.31 2.71 0.00	39.56 1.78 0.00	38.07 1.29 0.00	36.92 1.28 0.00	36.26 1.09 0.00	36.76 0.86 0.00	35.88 0.63 0.00	37.91 1.10 0.00	42.72 1.40 0.00	57.30 2.83 0.00	74.00 4.39 0.00	73.80 4.44 0.00	54.67 3.09 0.00	45.05 2.39 0.00	40.19 1.80 0.00	36.23 1.56 0.04
ISLIP_RES_REC 323679	38.03 2.35 0.00	35.73 2.18 0.00	35.10 1.89 0.00	34.02 1.93 0.00	35.39 2.16 0.00	38.24 2.68 -0.80	46.16 2.94 0.00	54.56 2.45 0.00	49.36 1.76 0.00	41.00 3.21 0.00	39.92 3.13 -0.01	38.89 3.24 -0.01	38.31 3.13 -0.01	39.63 2.87 -0.85	39.81 2.75 -1.81	40.37 2.76 -0.81	43.63 2.31 0.00	56.58 2.12 0.00	69.79 0.97 0.80	70.54 1.18 0.00	52.96 1.39 0.00	44.28 1.62 0.00	40.77 2.38 0.00	36.99 2.19 -0.10



JAMAICA__27_KV_LOAD 355505	37.46 1.78 0.00	35.23 1.68 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.54 1.77 0.00	46.12 2.90 0.00	56.02 3.91 0.00	50.98 3.38 0.00	40.86 3.06 -0.01	39.85 3.05 -0.01	38.71 3.06 -0.01	38.26 3.02 -0.07	38.64 2.73 -0.01	38.14 2.82 -0.07	39.58 2.76 -0.01	44.34 3.02 -0.01	57.79 3.32 0.00	73.65 4.04 0.00	73.32 3.95 0.00	54.36 2.78 0.00	44.88 2.22 0.00	40.38 2.00 0.00	36.68 1.87 -0.10
JANIS__SOLAR 323808	36.82 1.14 0.00	34.59 1.04 0.00	34.17 0.96 0.00	32.99 0.90 0.00	34.19 0.96 0.00	36.12 1.35 0.00	45.51 2.29 0.00	55.03 2.92 0.00	50.12 2.52 0.00	39.00 1.21 0.00	37.89 1.10 0.00	36.31 0.68 0.00	35.73 0.56 0.00	36.05 0.14 0.00	35.25 0.00 0.00	36.88 0.07 0.00	41.77 0.46 0.00	55.55 1.09 0.00	72.12 2.50 0.00	72.21 2.85 0.00	53.53 1.96 0.00	44.11 1.45 0.00	39.77 1.38 0.00	36.00 1.28 -0.01
JARVIS____ 23743	35.79 0.11 0.00	33.65 0.10 0.00	33.31 0.10 0.00	32.19 0.10 0.00	33.33 0.10 0.00	34.87 0.10 0.00	43.52 0.30 0.00	52.53 0.41 0.00	47.93 0.34 0.00	38.02 0.23 0.00	37.01 0.22 0.00	35.89 0.25 0.00	35.41 0.25 0.00	36.05 0.14 0.00	35.36 0.11 0.00	36.91 0.11 0.00	41.44 0.12 0.00	54.63 0.16 0.00	69.83 0.21 0.00	69.57 0.21 0.00	51.78 0.21 0.00	42.79 0.13 0.00	38.46 0.08 0.00	34.78 0.07 0.00
JENNISON____1 23625	36.75 1.07 0.00	34.56 1.01 0.00	34.21 1.00 0.00	33.02 0.93 0.00	34.23 1.00 0.00	36.05 1.29 0.00	45.38 2.16 0.00	54.12 2.92 0.91	49.44 2.71 0.87	38.61 1.51 0.69	37.59 1.47 0.67	36.81 1.18 0.00	36.26 1.09 0.00	36.55 0.65 0.00	35.67 0.42 0.00	37.25 0.44 0.00	42.06 0.74 0.00	55.72 1.25 0.00	71.98 2.37 0.00	72.00 2.64 0.00	53.38 1.80 0.00	43.98 1.32 0.00	39.65 1.27 0.00	35.83 1.11 -0.01
JENNISON____2 23626	36.75 1.07 0.00	34.56 1.01 0.00	34.21 1.00 0.00	33.02 0.93 0.00	34.23 1.00 0.00	36.05 1.29 0.00	45.38 2.16 0.00	54.12 2.92 0.91	49.44 2.71 0.87	38.61 1.51 0.69	37.59 1.47 0.67	36.81 1.18 0.00	36.26 1.09 0.00	36.55 0.65 0.00	35.67 0.42 0.00	37.25 0.44 0.00	42.06 0.74 0.00	55.72 1.25 0.00	71.98 2.37 0.00	72.00 2.64 0.00	53.38 1.80 0.00	43.98 1.32 0.00	39.65 1.27 0.00	35.83 1.11 -0.01
JERICOHO_RISE_WT_PWR 323719	35.75 0.07 0.00	33.72 0.17 0.00	33.38 0.17 0.00	32.25 0.16 0.00	33.43 0.20 0.00	35.04 0.28 0.00	42.92 -0.30 0.00	51.38 -0.73 0.00	47.12 -0.48 0.00	37.48 -0.30 0.00	36.42 -0.37 0.00	35.24 -0.39 0.00	34.71 -0.46 0.00	35.76 -0.14 0.00	35.21 -0.04 0.00	36.84 0.04 0.00	41.44 0.12 0.00	54.79 0.33 0.00	70.17 0.55 0.00	70.13 0.76 0.00	51.88 0.31 0.00	43.04 0.38 0.00	38.66 0.27 0.00	34.92 0.21 0.00
KATONAH__115KV_46KV_TB4 355592	37.18 1.50 0.00	34.96 1.41 0.00	34.47 1.26 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.26 1.49 0.00	45.64 2.42 0.00	55.24 3.13 0.00	50.17 2.57 0.00	40.09 2.31 0.00	39.14 2.35 0.00	38.06 2.42 0.00	37.52 2.36 0.00	37.98 2.08 0.00	37.33 2.08 0.00	38.94 2.13 0.00	43.63 2.31 0.00	57.13 2.67 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.84 2.27 0.00	44.54 1.88 0.00	39.96 1.57 0.00	36.26 1.46 -0.10
KCE_NY_1 323755	36.71 1.04 0.00	34.52 0.97 0.00	34.21 1.00 0.00	33.09 1.00 0.00	34.26 1.03 0.00	35.81 1.04 0.00	44.99 1.77 0.00	54.40 2.29 0.00	49.31 1.71 0.00	39.11 1.32 0.00	37.89 1.10 0.00	36.77 1.14 0.00	36.22 1.05 0.00	36.73 0.83 0.00	35.99 0.74 0.00	37.76 0.96 0.00	42.47 1.16 0.00	56.32 1.85 0.00	72.05 2.44 0.00	71.73 2.36 0.00	53.33 1.75 0.00	44.06 1.41 0.00	39.46 1.07 0.00	35.53 0.87 0.04
KCE_NY_6_ESR 323823	35.82 0.14 0.00	33.72 0.17 0.00	33.31 0.10 0.00	32.29 0.19 0.00	33.30 0.07 0.00	35.39 0.63 0.00	44.60 1.38 0.00	56.80 0.63 -4.06	53.01 1.52 -3.89	41.93 1.06 -3.08	41.07 1.29 -3.00	36.20 0.57 0.00	35.76 0.60 0.00	36.01 0.11 0.00	35.07 -0.18 0.00	36.18 -0.63 0.00	40.12 -1.20 0.00	51.58 -2.89 0.00	67.11 -2.50 0.00	67.14 -2.22 0.00	50.07 -1.50 0.00	41.63 -1.02 0.00	38.62 0.23 0.00	35.61 0.90 0.00
KEDC PORT_JEFF_GT2 24210	37.86 2.18 0.00	35.56 2.01 0.00	34.97 1.76 0.00	33.89 1.80 0.00	35.22 1.99 0.00	38.04 2.47 -0.80	45.81 2.59 0.00	54.04 1.93 0.00	48.98 1.38 0.00	40.81 3.02 0.00	39.70 2.91 -0.01	38.71 3.07 -0.01	38.13 2.95 -0.01	39.44 2.69 -0.84	39.61 2.57 -1.79	40.18 2.58 -0.80	43.38 2.06 0.00	56.09 1.63 0.00	68.71 -0.07 0.83	69.43 0.07 0.00	52.50 0.93 0.00	43.98 1.32 0.00	40.54 2.15 0.00	36.82 2.01 -0.10
KEDC PORT_JEFF_GT3 24211	37.86 2.18 0.00	35.56 2.01 0.00	34.97 1.76 0.00	33.89 1.80 0.00	35.22 1.99 0.00	38.04 2.47 -0.80	45.81 2.59 0.00	54.04 1.93 0.00	48.98 1.38 0.00	40.81 3.02 0.00	39.70 2.91 -0.01	38.71 3.07 -0.01	38.13 2.95 -0.01	39.44 2.69 -0.84	39.61 2.57 -1.79	40.18 2.58 -0.80	43.38 2.06 0.00	56.09 1.63 0.00	68.71 -0.07 0.83	69.43 0.07 0.00	52.50 0.93 0.00	43.98 1.32 0.00	40.54 2.15 0.00	36.82 2.01 -0.10
KEDC_GLWD_GT4 24219	37.71 2.03 0.00	35.46 1.91 0.00	34.94 1.73 0.00	33.79 1.70 0.00	35.06 1.83 0.00	37.62 2.05 -0.80	45.99 2.77 0.00	55.34 3.23 0.00	50.21 2.62 0.00	40.89 3.10 0.00	39.89 3.09 -0.02	38.82 3.17 -0.02	38.29 3.10 -0.03	40.18 2.80 -1.47	41.13 2.75 -3.13	40.99 2.80 -1.39	44.12 2.81 0.00	57.57 3.10 0.00	72.23 2.99 0.38	72.41 3.05 0.00	53.94 2.37 0.00	44.71 2.05 0.00	40.50 2.11 0.00	36.68 1.87 -0.10
KEDC_GLWD_GT5 24220	37.71 2.03 0.00	35.46 1.91 0.00	34.94 1.73 0.00	33.79 1.70 0.00	35.06 1.83 0.00	37.62 2.05 -0.80	45.99 2.77 0.00	55.34 3.23 0.00	50.21 2.62 0.00	40.89 3.10 0.00	39.89 3.09 -0.02	38.82 3.17 -0.02	38.29 3.10 -0.03	40.18 2.80 -1.47	41.13 2.75 -3.13	40.99 2.80 -1.39	44.12 2.81 0.00	57.57 3.10 0.00	72.23 2.99 0.38	72.41 3.05 0.00	53.94 2.37 0.00	44.71 2.05 0.00	40.50 2.11 0.00	36.68 1.87 -0.10
KENSICO____ 23655	37.14 1.46 0.00	34.93 1.38 0.00	34.47 1.26 0.00	33.31 1.22 0.00	34.53 1.30 0.00	36.26 1.49 0.00	45.64 2.42 0.00	55.29 3.18 0.00	50.21 2.62 0.00	40.28 2.49 0.00	39.36 2.58 0.00	38.24 2.60 0.00	37.70 2.53 0.00	38.20 2.30 0.00	37.47 2.22 0.00	39.05 2.25 0.00	43.75 2.44 0.00	57.19 2.72 0.00	72.82 3.20 0.00	72.49 3.12 0.00	53.84 2.27 0.00	44.49 1.83 0.00	40.00 1.61 0.00	36.33 1.53 -0.09
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	37.39 1.71 0.00	35.16 1.61 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.44 1.67 0.00	45.99 2.77 0.00	55.76 3.65 0.00	50.60 3.00 0.00	40.17 2.38 0.00	39.21 2.43 0.00	38.06 2.42 0.00	37.52 2.36 0.00	37.98 2.08 0.00	37.29 2.04 0.00	38.90 2.10 0.00	43.84 2.52 0.00	57.62 3.16 0.00	73.65 4.04 0.00	73.46 4.09 0.00	54.46 2.89 0.00	44.88 2.22 0.00	40.31 1.92 0.00	36.51 1.74 -0.07



KIAC_JFK_GT1 23816	37.36 1.68 0.00	35.16 1.61 0.00	34.64 1.43 0.00	33.44 1.35 0.00	34.66 1.43 0.00	36.47 1.70 0.00	45.99 2.77 0.00	55.81 3.70 0.00	50.79 3.19 0.00	40.74 2.95 -0.01	39.74 2.94 -0.01	38.61 2.96 -0.01	38.16 2.92 -0.07	38.54 2.62 -0.01	38.04 2.71 -0.07	39.47 2.65 -0.01	44.22 2.89 -0.01	57.62 3.16 0.00	73.38 3.76 0.00	73.04 3.68 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
KIAC_JFK_GT2 23817	37.36 1.68 0.00	35.16 1.61 0.00	34.64 1.43 0.00	33.44 1.35 0.00	34.66 1.43 0.00	36.47 1.70 0.00	45.99 2.77 0.00	55.81 3.70 0.00	50.79 3.19 0.00	40.74 2.95 -0.01	39.74 2.94 -0.01	38.61 2.96 -0.01	38.16 2.92 -0.07	38.54 2.62 -0.01	38.04 2.71 -0.07	39.47 2.65 -0.01	44.22 2.89 -0.01	57.62 3.16 0.00	73.38 3.76 0.00	73.04 3.68 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
KIAC_JFK____ 323774	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.44 1.35 0.00	34.69 1.46 0.00	36.40 1.63 0.00	45.86 2.64 0.00	55.76 3.65 0.00	50.79 3.19 0.00	40.78 2.98 -0.01	39.67 2.87 -0.01	38.64 2.99 -0.01	38.44 3.20 -0.07	38.53 2.62 -0.01	38.18 2.85 -0.07	39.47 2.65 -0.01	44.26 2.93 -0.01	57.90 3.43 0.00	73.30 3.69 0.00	73.04 3.67 0.00	54.20 2.63 0.00	44.75 2.09 0.00	40.31 1.92 0.00	36.40 1.60 -0.10
KINTIGH__24_KV_GSU 356498	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.09 0.00 0.00	33.10 -0.13 0.00	35.08 0.31 0.00	44.04 0.82 0.00	55.66 -1.46 -5.00	51.92 -0.48 -4.80	41.06 -0.53 -3.81	40.24 -0.26 -3.71	35.89 0.25 0.00	35.45 0.28 0.00	35.79 -0.11 0.00	34.90 -0.35 0.00	36.03 -0.77 0.00	39.95 -1.36 0.00	51.30 -3.16 0.00	66.49 -3.13 0.00	66.45 -2.91 0.00	49.72 -1.85 0.00	41.38 -1.28 0.00	38.31 -0.08 0.00	35.33 0.63 0.00
KINTIGH____ 23543	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.06 -0.03 0.00	33.10 -0.13 0.00	34.91 0.14 0.00	43.52 0.30 0.00	55.45 -1.67 -5.00	51.82 -0.57 -4.80	41.06 -0.53 -3.81	39.90 -0.59 -3.71	35.88 0.25 0.00	35.41 0.25 0.00	35.76 -0.14 0.00	34.86 -0.39 0.00	35.99 -0.81 0.00	39.91 -1.40 0.00	51.58 -2.89 0.00	66.41 -3.20 0.00	66.45 -2.91 0.00	49.66 -1.91 0.00	41.21 -1.45 0.00	38.31 -0.08 0.00	34.74 0.03 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	36.04 0.36 0.00	33.99 0.44 0.00	33.64 0.43 0.00	32.54 0.45 0.00	33.73 0.50 0.00	35.46 0.70 0.00	43.52 0.30 0.00	51.80 -0.31 0.00	47.55 -0.05 0.00	37.98 0.19 0.00	36.90 0.11 0.00	35.71 0.07 0.00	35.10 -0.07 0.00	35.94 0.04 0.00	35.43 0.18 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.23 0.76 0.00	70.87 1.25 0.00	70.61 1.25 0.00	52.34 0.77 0.00	43.60 0.94 0.00	39.12 0.73 0.00	35.33 0.62 0.00
LACHUTE____HYDRO 323717	37.50 1.82 0.00	35.29 1.74 0.00	34.94 1.73 0.00	33.86 1.76 0.00	35.06 1.83 0.00	36.68 1.91 0.00	46.24 3.02 0.00	55.76 3.65 0.00	50.36 2.76 0.00	39.56 1.78 0.00	38.07 1.29 0.00	36.92 1.28 0.00	36.26 1.09 0.00	36.76 0.86 0.00	35.88 0.64 0.00	37.91 1.10 0.00	42.72 1.41 0.00	57.29 2.83 0.00	74.01 4.39 0.00	73.74 4.37 0.00	54.66 3.09 0.00	45.05 2.39 0.00	40.19 1.80 0.00	36.16 1.49 0.04
LAWRNCAY_115KV_TB1 80681	36.36 0.68 0.00	34.25 0.70 0.00	33.81 0.60 0.00	32.54 0.45 0.00	33.73 0.50 0.00	35.43 0.66 0.00	43.22 0.00 0.00	52.01 -0.10 0.00	47.60 0.00 0.00	37.67 -0.11 0.00	36.68 -0.11 0.00	35.49 -0.14 0.00	34.99 -0.18 0.00	35.90 0.00 0.00	35.39 0.14 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.28 0.82 0.00	70.52 0.91 0.00	70.48 1.11 0.00	52.55 0.98 0.00	43.64 0.98 0.00	39.12 0.73 0.00	35.33 0.62 0.00
LEDERLE____ 23769	37.21 1.53 0.00	34.96 1.41 0.00	34.51 1.30 0.00	33.38 1.28 0.00	34.56 1.33 0.00	36.40 1.63 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.55 2.95 0.00	40.40 2.61 0.00	39.51 2.72 0.00	38.34 2.71 0.00	37.81 2.64 0.00	38.27 2.37 0.00	37.54 2.29 0.00	39.12 2.32 0.00	43.84 2.52 0.00	57.40 2.94 0.00	73.24 3.62 0.00	72.90 3.54 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.08 1.69 0.00	36.35 1.56 -0.08
LIGHTHSE_115KV_TB6 355974	35.57 -0.11 0.00	33.45 -0.10 0.00	33.08 -0.13 0.00	31.87 -0.22 0.00	33.03 -0.20 0.00	34.70 -0.07 0.00	43.18 -0.04 0.00	58.68 0.05 -6.52	53.99 0.14 -6.25	42.52 -0.23 -4.95	41.35 -0.26 -4.82	35.35 -0.29 0.00	34.85 -0.32 0.00	35.36 -0.54 0.00	34.65 -0.60 0.00	36.21 -0.59 0.00	40.70 -0.62 0.00	53.65 -0.82 0.00	69.06 -0.56 0.00	69.02 -0.35 0.00	51.31 -0.26 0.00	42.62 -0.04 0.00	38.35 -0.04 0.00	34.64 -0.07 0.00
LINDEN COGEN____ 23786	37.18 1.50 0.00	34.99 1.44 0.00	34.47 1.26 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.23 1.46 0.00	45.60 2.38 0.00	55.45 3.34 0.00	50.45 2.86 0.00	40.52 2.72 -0.01	39.56 2.76 -0.01	38.50 2.85 -0.01	38.05 2.81 -0.07	38.39 2.48 -0.01	37.83 2.50 -0.07	39.28 2.47 -0.01	44.01 2.68 -0.01	57.51 3.05 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.89 2.32 0.00	44.53 1.87 0.00	40.04 1.65 0.00	36.23 1.42 -0.10
LINDHRST_69_KV_BK1 356055	38.21 2.53 0.00	36.00 2.45 0.00	35.30 2.09 0.00	34.21 2.12 0.00	35.56 2.33 0.00	38.35 2.78 -0.80	46.76 3.54 0.00	55.19 3.07 0.00	49.98 2.38 0.00	41.23 3.44 0.00	40.29 3.49 -0.01	39.14 3.49 -0.01	38.59 3.41 -0.02	40.05 3.16 -0.99	40.42 3.07 -2.10	40.87 3.13 -0.94	44.00 2.69 0.00	57.19 2.72 0.00	71.12 2.37 0.86	71.86 2.50 0.00	53.74 2.17 0.00	44.79 2.13 0.00	40.96 2.57 0.00	37.44 2.64 -0.10
LIPA_MISC_IPP 23656	37.71 2.03 0.00	35.53 1.98 0.00	34.84 1.63 0.00	33.76 1.67 0.00	35.09 1.86 0.00	38.00 2.43 -0.80	46.07 2.85 0.00	53.93 1.82 0.00	48.88 1.29 0.00	40.58 2.80 0.00	39.63 2.83 -0.01	38.49 2.85 -0.01	37.89 2.71 -0.01	39.22 2.48 -0.84	39.39 2.36 -1.78	39.99 2.39 -0.79	43.09 1.78 0.00	55.88 1.42 0.00	69.23 0.28 0.66	69.85 0.49 0.00	52.50 0.93 0.00	44.11 1.45 0.00	40.35 1.96 0.00	36.92 2.12 -0.10
LISF____SOLAR 323691	37.75 2.07 0.00	35.50 1.95 0.00	34.87 1.66 0.00	33.79 1.70 0.00	35.16 1.93 0.00	38.00 2.43 -0.80	45.81 2.59 0.00	54.14 2.03 0.00	48.93 1.33 0.00	40.66 2.87 0.00	39.56 2.76 -0.01	38.53 2.89 -0.01	37.96 2.78 -0.01	39.25 2.51 -0.84	39.46 2.43 -1.79	40.07 2.47 -0.80	43.30 1.98 0.00	56.09 1.63 0.00	69.35 0.42 0.69	69.99 0.62 0.00	52.50 0.93 0.00	43.90 1.24 0.00	40.42 2.03 0.00	36.71 1.91 -0.10
LITTLE FALLS____HYD 24013	37.96 2.28 0.00	35.70 2.15 0.00	35.30 2.09 0.00	34.05 1.96 0.00	35.26 2.03 0.00	36.92 2.16 0.00	46.07 2.85 0.00	55.60 3.49 0.00	50.83 3.24 0.00	40.17 2.38 0.00	39.18 2.39 0.00	37.92 2.28 0.00	37.38 2.22 0.00	37.91 2.01 0.00	37.12 1.87 0.00	38.75 1.95 0.00	43.55 2.23 0.00	57.35 2.89 0.00	73.59 3.97 0.00	73.53 4.16 0.00	54.61 3.04 0.00	45.18 2.52 0.00	40.69 2.30 0.00	36.79 2.08 0.00



LITTLRIV_115KV_TB1 356100	36.64 0.96 0.00	34.56 1.01 0.00	34.11 0.90 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.78 1.01 0.00	43.65 0.43 0.00	53.49 0.47 -0.91	48.85 0.38 -0.87	38.48 0.00 -0.69	37.46 0.00 -0.67	35.56 -0.07 0.00	35.06 -0.11 0.00	35.97 0.07 0.00	35.50 0.25 0.00	37.28 0.48 0.00	42.06 0.74 0.00	55.77 1.31 0.00	71.36 1.74 0.00	71.45 2.08 0.00	53.17 1.60 0.00	44.11 1.45 0.00	39.54 1.15 0.00	35.64 0.94 0.00
LI_NEWBRDGE___DRP 323616	37.82 2.14 0.00	35.63 2.08 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.83 2.26 -0.80	46.12 2.90 0.00	54.61 2.50 0.00	49.55 1.95 0.00	40.89 3.10 0.00	39.96 3.16 -0.01	38.74 3.10 -0.01	38.24 3.06 -0.01	39.45 2.76 -0.78	39.59 2.68 -1.67	40.20 2.65 -0.74	43.59 2.27 0.00	56.70 2.23 0.00	71.32 1.74 0.04	71.17 1.80 0.00	53.17 1.60 0.00	44.28 1.62 0.00	40.46 2.07 0.00	36.99 2.19 -0.10
LOCKPORT_115KV_TB60_63_64 80432	35.64 -0.04 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	34.87 0.10 0.00	43.52 0.30 0.00	55.70 -1.09 -4.68	52.41 0.33 -4.48	41.57 0.23 -3.56	40.36 0.11 -3.46	35.81 0.18 0.00	35.34 0.18 0.00	35.65 -0.25 0.00	34.72 -0.53 0.00	35.81 -0.99 0.00	39.62 -1.69 0.00	51.09 -3.38 0.00	65.93 -3.69 0.00	66.04 -3.33 0.00	49.35 -2.22 0.00	40.95 -1.71 0.00	38.27 -0.12 0.00	34.71 0.00 0.00
LOCKPORT___CC1 323769	35.64 -0.04 0.00	33.58 0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.11 0.35 0.00	44.13 0.91 0.00	55.89 -0.84 -4.62	52.36 0.34 -4.43	41.49 0.19 -3.51	40.68 0.48 -3.42	35.85 0.22 0.00	35.41 0.25 0.00	35.69 -0.21 0.00	34.79 -0.46 0.00	35.85 -0.96 0.00	39.66 -1.65 0.00	50.81 -3.65 0.00	66.07 -3.55 0.00	66.04 -3.33 0.00	49.45 -2.12 0.00	41.16 -1.49 0.00	38.31 -0.08 0.00	35.44 0.73 0.00
LOCKPORT___CC2 323770	35.64 -0.04 0.00	33.58 0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.11 0.35 0.00	44.13 0.91 0.00	55.89 -0.84 -4.62	52.36 0.34 -4.43	41.49 0.19 -3.51	40.68 0.48 -3.42	35.85 0.22 0.00	35.41 0.25 0.00	35.69 -0.21 0.00	34.79 -0.46 0.00	35.85 -0.96 0.00	39.66 -1.65 0.00	50.81 -3.65 0.00	66.07 -3.55 0.00	66.04 -3.33 0.00	49.45 -2.12 0.00	41.16 -1.49 0.00	38.31 -0.08 0.00	35.44 0.73 0.00
LOCKPORT___CC3 323771	35.64 -0.04 0.00	33.58 0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.11 0.35 0.00	44.13 0.91 0.00	55.89 -0.84 -4.62	52.36 0.34 -4.43	41.49 0.19 -3.51	40.68 0.48 -3.42	35.85 0.22 0.00	35.41 0.25 0.00	35.69 -0.21 0.00	34.79 -0.46 0.00	35.85 -0.96 0.00	39.66 -1.65 0.00	50.81 -3.65 0.00	66.07 -3.55 0.00	66.04 -3.33 0.00	49.45 -2.12 0.00	41.16 -1.49 0.00	38.31 -0.08 0.00	35.44 0.73 0.00
LOCUSVLY_69_KV_BK2 55797	37.89 2.21 0.00	35.66 2.11 0.00	35.07 1.86 0.00	33.92 1.83 0.00	35.22 1.99 0.00	37.90 2.33 -0.80	46.25 3.03 0.00	55.08 2.97 0.00	49.98 2.38 0.00	41.00 3.21 0.00	40.08 3.27 -0.02	38.93 3.28 -0.02	38.42 3.24 -0.02	40.15 2.94 -1.31	40.88 2.86 -2.78	40.91 2.87 -1.24	43.88 2.56 0.00	57.19 2.72 0.00	71.24 2.58 0.95	72.00 2.64 0.00	53.69 2.11 0.00	44.62 1.96 0.00	40.58 2.19 0.00	37.06 2.26 -0.10
LONG_LAKE_PHOENIX 24014	35.11 -0.57 0.00	32.98 -0.57 0.00	32.65 -0.56 0.00	31.55 -0.55 0.00	32.66 -0.56 0.00	34.25 -0.52 0.00	42.74 -0.48 0.00	60.32 -0.52 -8.73	55.58 -0.38 -8.36	44.04 -0.38 -6.63	42.88 -0.37 -6.46	35.24 -0.39 0.00	34.74 -0.42 0.00	35.29 -0.61 0.00	34.58 -0.67 0.00	36.07 -0.74 0.00	40.49 -0.83 0.00	53.32 -1.14 0.00	68.36 -1.25 0.00	68.19 -1.18 0.00	50.69 -0.88 0.00	41.98 -0.68 0.00	37.85 -0.54 0.00	34.22 -0.49 0.00
LOVETT___3 23632	37.03 1.36 0.00	34.83 1.27 0.00	34.37 1.16 0.00	33.21 1.12 0.00	34.43 1.20 0.00	36.16 1.39 0.00	45.51 2.29 0.00	55.13 3.02 0.00	50.07 2.48 0.00	40.09 2.31 0.00	39.21 2.43 0.00	38.06 2.42 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.30 2.04 0.00	38.87 2.06 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.18 1.39 -0.08
LOVETT___4 23642	37.03 1.36 0.00	34.83 1.27 0.00	34.37 1.16 0.00	33.21 1.12 0.00	34.43 1.20 0.00	36.16 1.39 0.00	45.51 2.29 0.00	55.13 3.02 0.00	50.07 2.48 0.00	40.09 2.31 0.00	39.21 2.43 0.00	38.06 2.42 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.30 2.04 0.00	38.87 2.06 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.18 1.39 -0.08
LOVETT___5 23593	37.03 1.36 0.00	34.83 1.27 0.00	34.37 1.16 0.00	33.21 1.12 0.00	34.43 1.20 0.00	36.16 1.39 0.00	45.51 2.29 0.00	55.13 3.02 0.00	50.07 2.48 0.00	40.09 2.31 0.00	39.21 2.43 0.00	38.06 2.42 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.30 2.04 0.00	38.87 2.06 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.18 1.39 -0.08
LOWER RAQUET___HYD 24057	36.39 0.71 0.00	34.32 0.77 0.00	33.87 0.66 0.00	32.57 0.48 0.00	33.76 0.53 0.00	35.50 0.73 0.00	43.31 0.09 0.00	53.09 0.00 -0.98	48.58 0.05 -0.94	38.42 -0.11 -0.74	37.40 -0.11 -0.72	35.49 -0.14 0.00	34.99 -0.17 0.00	35.90 0.00 0.00	35.39 0.14 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.28 0.82 0.00	70.59 0.97 0.00	70.75 1.39 0.00	52.66 1.08 0.00	43.77 1.11 0.00	39.19 0.81 0.00	35.36 0.66 0.00
LOWER___HUDSON 24059	36.50 0.82 0.00	34.29 0.74 0.00	33.94 0.73 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.60 0.83 0.00	44.73 1.51 0.00	54.14 2.03 0.00	49.07 1.48 0.00	39.11 1.32 0.00	37.96 1.18 0.00	36.85 1.21 0.00	36.32 1.16 0.00	36.87 0.97 0.00	36.16 0.91 0.00	37.87 1.07 0.00	42.51 1.20 0.00	56.21 1.74 0.00	71.70 2.09 0.00	71.24 1.87 0.00	53.07 1.50 0.00	43.81 1.15 0.00	39.23 0.84 0.00	35.31 0.66 0.06
LOWVILLE_115KV_TB2 356335	36.46 0.78 0.00	34.36 0.81 0.00	33.94 0.73 0.00	32.28 0.19 0.00	33.53 0.30 0.00	35.25 0.49 0.00	43.87 0.65 0.00	54.94 1.04 -1.79	50.07 0.76 -1.71	39.11 -0.04 -1.36	38.11 0.00 -1.32	35.53 -0.11 0.00	35.06 -0.11 0.00	35.58 -0.32 0.00	34.90 -0.35 0.00	36.55 -0.26 0.00	41.23 -0.08 0.00	54.74 0.27 0.00	70.59 0.97 0.00	70.82 1.46 0.00	52.55 0.98 0.00	43.47 0.81 0.00	38.96 0.58 0.00	35.12 0.42 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	36.71 1.03 0.00	34.52 0.97 0.00	34.17 0.96 0.00	33.05 0.96 0.00	34.23 1.00 0.00	35.81 1.04 0.00	45.04 1.82 0.00	54.35 2.24 0.00	49.26 1.67 0.00	39.11 1.32 0.00	37.89 1.10 0.00	36.74 1.10 0.00	36.19 1.02 0.00	36.73 0.83 0.00	35.99 0.74 0.00	37.76 0.96 0.00	42.43 1.12 0.00	56.26 1.80 0.00	72.05 2.44 0.00	71.72 2.36 0.00	53.32 1.75 0.00	44.02 1.37 0.00	39.42 1.04 0.00	35.57 0.90 0.04



LUTHERNY_35_KV_BK2 355980	36.71 1.03 0.00	34.52 0.97 0.00	34.21 1.00 0.00	33.09 0.99 0.00	34.26 1.03 0.00	35.84 1.08 0.00	45.08 1.86 0.00	54.40 2.29 0.00	49.31 1.71 0.00	39.11 1.32 0.00	37.93 1.14 0.00	36.77 1.14 0.00	36.22 1.05 0.00	36.76 0.86 0.00	35.99 0.74 0.00	37.76 0.96 0.00	42.43 1.12 0.00	56.26 1.80 0.00	72.12 2.51 0.00	71.72 2.36 0.00	53.32 1.75 0.00	44.07 1.41 0.00	39.46 1.07 0.00	35.60 0.94 0.04
LWR___OSWEGATCHIE_HYD 23850	36.39 0.71 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.41 0.32 0.00	33.63 0.40 0.00	35.36 0.59 0.00	43.48 0.26 0.00	54.22 0.42 -1.69	49.55 0.33 -1.62	38.92 -0.15 -1.29	37.89 -0.15 -1.25	35.46 -0.18 0.00	34.92 -0.25 0.00	35.61 -0.29 0.00	35.04 -0.21 0.00	36.73 -0.07 0.00	41.40 0.08 0.00	54.90 0.44 0.00	70.45 0.84 0.00	70.61 1.25 0.00	52.60 1.03 0.00	43.64 0.98 0.00	39.12 0.73 0.00	35.26 0.56 0.00
LYONS_FALL_HYD 23570	36.39 0.71 0.00	34.26 0.71 0.00	33.87 0.66 0.00	32.38 0.29 0.00	33.60 0.37 0.00	35.32 0.55 0.00	44.04 0.82 0.00	54.54 1.25 -1.18	49.73 1.00 -1.13	38.91 0.23 -0.90	37.92 0.26 -0.88	35.81 0.18 0.00	35.34 0.18 0.00	35.83 -0.07 0.00	35.14 -0.11 0.00	36.80 0.00 0.00	41.48 0.17 0.00	54.95 0.49 0.00	70.80 1.18 0.00	70.89 1.52 0.00	52.60 1.03 0.00	43.47 0.81 0.00	39.00 0.61 0.00	35.19 0.49 0.00
MADISON___COUNTY_LFGE 323628	36.39 0.71 0.00	34.22 0.67 0.00	33.84 0.63 0.00	32.60 0.51 0.00	33.83 0.60 0.00	35.57 0.80 0.00	44.52 1.30 0.00	53.94 1.82 0.00	49.17 1.57 0.00	38.54 0.76 0.00	37.60 0.81 0.00	36.31 0.68 0.00	35.83 0.67 0.00	36.30 0.39 0.00	35.53 0.28 0.00	37.14 0.33 0.00	41.85 0.54 0.00	55.33 0.87 0.00	71.22 1.60 0.00	71.24 1.87 0.00	52.86 1.29 0.00	43.60 0.94 0.00	39.23 0.84 0.00	35.40 0.69 0.00
MALONE___115KV_TB1 356076	36.39 0.71 0.00	34.32 0.77 0.00	33.91 0.70 0.00	32.70 0.61 0.00	33.89 0.66 0.00	35.64 0.87 0.00	43.65 0.43 0.00	52.32 0.21 0.00	48.07 0.48 0.00	38.13 0.34 0.00	37.08 0.29 0.00	35.88 0.25 0.00	35.27 0.11 0.00	36.15 0.25 0.00	35.67 0.42 0.00	37.39 0.59 0.00	42.10 0.78 0.00	55.77 1.31 0.00	71.43 1.81 0.00	71.31 1.94 0.00	52.91 1.34 0.00	43.90 1.24 0.00	39.35 0.96 0.00	35.50 0.80 0.00
MAPLEWOD_115KV_TB3 80458	36.43 0.75 0.00	34.25 0.70 0.00	33.91 0.70 0.00	33.60 1.51 0.00	34.86 1.63 0.00	36.47 1.70 0.00	46.03 2.81 0.00	55.66 3.54 0.00	50.50 2.90 0.00	40.09 2.31 0.00	37.96 1.18 0.00	36.81 1.18 0.00	36.33 1.16 0.00	36.80 0.90 0.00	36.10 0.85 0.00	37.80 0.99 0.00	42.39 1.07 0.00	56.04 1.58 0.00	71.64 2.02 0.00	71.24 1.87 0.00	52.96 1.39 0.00	43.77 1.11 0.00	39.12 0.73 0.00	35.39 0.73 0.05
MAPLE_RIDGE_WT_1 323574	35.43 -0.25 0.00	33.21 -0.34 0.00	32.88 -0.33 0.00	31.74 -0.35 0.00	32.83 -0.40 0.00	34.31 -0.45 0.00	42.49 -0.73 0.00	51.23 -0.89 0.00	46.83 -0.76 0.00	37.18 -0.61 0.00	36.24 -0.55 0.00	35.14 -0.50 0.00	34.71 -0.46 0.00	35.47 -0.43 0.00	34.86 -0.39 0.00	36.40 -0.40 0.00	40.94 -0.37 0.00	54.08 -0.38 0.00	69.20 -0.42 0.00	68.88 -0.48 0.00	51.06 -0.52 0.00	42.23 -0.43 0.00	37.93 -0.46 0.00	34.25 -0.45 0.00
MAPLE_RIDGE_WT_2 323611	35.43 -0.25 0.00	33.21 -0.34 0.00	32.88 -0.33 0.00	31.74 -0.35 0.00	32.83 -0.40 0.00	34.31 -0.45 0.00	42.49 -0.73 0.00	51.23 -0.89 0.00	46.83 -0.76 0.00	37.18 -0.61 0.00	36.24 -0.55 0.00	35.14 -0.50 0.00	34.71 -0.46 0.00	35.47 -0.43 0.00	34.86 -0.39 0.00	36.40 -0.40 0.00	40.94 -0.37 0.00	54.08 -0.38 0.00	69.20 -0.42 0.00	68.88 -0.48 0.00	51.06 -0.52 0.00	42.23 -0.43 0.00	37.93 -0.46 0.00	34.25 -0.45 0.00
MARBLE_RIVER_WT_PWR 323696	35.50 -0.18 0.00	33.58 0.03 0.00	33.28 0.07 0.00	32.25 0.16 0.00	33.46 0.23 0.00	35.19 0.42 0.00	43.18 -0.04 0.00	51.28 -0.84 0.00	47.12 -0.48 0.00	37.71 -0.08 0.00	36.60 -0.18 0.00	35.42 -0.21 0.00	34.78 -0.39 0.00	35.65 -0.25 0.00	35.07 -0.18 0.00	36.69 -0.11 0.00	41.36 0.04 0.00	54.52 0.05 0.00	70.04 0.42 0.00	69.99 0.62 0.00	51.67 0.10 0.00	43.13 0.47 0.00	38.73 0.34 0.00	35.02 0.31 0.00
MARSHVLE_115KV_TB1 80742	35.75 0.07 0.00	33.62 0.07 0.00	33.31 0.10 0.00	32.19 0.10 0.00	33.40 0.17 0.00	35.08 0.31 0.00	44.21 0.99 0.00	53.21 1.09 0.00	47.74 0.14 0.00	37.15 -0.64 0.00	35.68 -1.10 0.00	34.49 -1.14 0.00	33.94 -1.23 0.00	34.39 -1.51 0.00	33.63 -1.62 0.00	35.33 -1.47 0.00	39.79 -1.53 0.00	54.03 -0.44 0.00	70.31 0.70 0.00	70.20 0.83 0.00	52.03 0.46 0.00	43.09 0.43 0.00	38.50 0.12 0.00	34.72 0.03 0.02
MARSH_HILL_WT_PWR 323713	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.09 0.00 0.00	33.16 -0.07 0.00	35.25 0.49 0.00	44.64 1.42 0.00	55.33 1.10 -2.12	51.20 1.57 -2.03	40.34 0.95 -1.61	39.35 0.99 -1.57	35.92 0.28 0.00	35.38 0.21 0.00	35.54 -0.36 0.00	34.58 -0.67 0.00	35.74 -1.07 0.00	39.83 -1.49 0.00	52.34 -2.12 0.00	68.43 -1.18 0.00	68.33 -1.04 0.00	50.80 -0.77 0.00	42.06 -0.60 0.00	38.66 0.27 0.00	35.40 0.69 0.00
MCINTYRE_115KV_TB2 80467	36.75 1.07 0.00	34.66 1.11 0.00	34.17 0.96 0.00	32.89 0.80 0.00	34.09 0.86 0.00	35.88 1.11 0.00	43.74 0.52 0.00	52.63 0.52 0.00	48.03 0.43 0.00	37.71 -0.08 0.00	36.71 -0.07 0.00	35.53 -0.11 0.00	35.03 -0.14 0.00	36.01 0.11 0.00	35.57 0.32 0.00	37.32 0.52 0.00	42.10 0.78 0.00	55.99 1.52 0.00	71.78 2.16 0.00	71.86 2.50 0.00	53.38 1.80 0.00	44.24 1.58 0.00	39.62 1.23 0.00	35.71 1.01 0.00
MECO_____69_KV_BK1 80468	36.64 0.96 0.00	34.46 0.91 0.00	34.14 0.93 0.00	32.99 0.90 0.00	34.26 1.03 0.00	35.95 1.18 0.00	45.29 2.07 0.00	54.46 2.35 0.00	48.83 1.24 0.00	38.01 0.23 0.00	36.46 -0.33 0.00	35.21 -0.43 0.00	34.57 -0.60 0.00	35.08 -0.83 0.00	34.37 -0.88 0.00	36.29 -0.52 0.00	41.07 -0.25 0.00	55.66 1.20 0.00	72.26 2.65 0.00	72.07 2.71 0.00	53.43 1.86 0.00	44.15 1.49 0.00	39.46 1.07 0.00	35.55 0.87 0.02
MENANDS___115KV_TB5 355628	36.18 0.50 0.00	34.05 0.50 0.00	33.71 0.50 0.00	32.44 0.35 0.00	33.60 0.37 0.00	35.08 0.31 0.00	44.08 0.86 0.00	53.36 1.25 0.00	48.45 0.86 0.00	38.69 0.91 0.00	37.78 0.99 0.00	36.63 1.00 0.00	36.15 0.98 0.00	36.62 0.72 0.00	35.95 0.70 0.00	37.61 0.81 0.00	42.18 0.87 0.00	55.66 1.20 0.00	71.15 1.53 0.00	70.68 1.32 0.00	52.60 1.03 0.00	43.47 0.81 0.00	38.89 0.50 0.00	35.18 0.52 0.05
MG INDUSTRY___DRP 24185	36.29 0.61 0.00	34.12 0.57 0.00	33.84 0.63 0.00	32.70 0.61 0.00	33.86 0.63 0.00	35.39 0.63 0.00	44.43 1.21 0.00	53.67 1.56 0.00	48.69 1.09 0.00	38.69 0.91 0.00	37.56 0.77 0.00	36.42 0.78 0.00	35.90 0.74 0.00	36.40 0.50 0.00	35.74 0.49 0.00	37.39 0.59 0.00	42.02 0.70 0.00	55.50 1.03 0.00	70.94 1.32 0.00	70.61 1.25 0.00	52.55 0.98 0.00	43.43 0.77 0.00	38.96 0.58 0.00	35.31 0.62 0.02



MID___OSWEGATCHIE_HYD 23849	36.39 0.71 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.41 0.32 0.00	33.63 0.40 0.00	35.36 0.59 0.00	43.48 0.26 0.00	54.22 0.42 -1.69	49.55 0.33 -1.62	38.92 -0.15 -1.29	37.89 -0.15 -1.25	35.46 -0.18 0.00	34.92 -0.25 0.00	35.61 -0.29 0.00	35.04 -0.21 0.00	36.73 -0.07 0.00	41.40 0.08 0.00	54.90 0.44 0.00	70.45 0.84 0.00	70.61 1.25 0.00	52.60 1.03 0.00	43.64 0.98 0.00	39.12 0.73 0.00	35.26 0.56 0.00
MID___RAQUETTE_HYD 23851	36.39 0.71 0.00	34.32 0.77 0.00	33.87 0.66 0.00	32.57 0.48 0.00	33.76 0.53 0.00	35.50 0.73 0.00	43.26 0.04 0.00	53.09 0.00 -0.98	48.58 0.05 -0.94	38.42 -0.11 -0.74	37.40 -0.11 -0.72	35.49 -0.14 0.00	34.99 -0.18 0.00	35.87 -0.04 0.00	35.39 0.14 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.28 0.82 0.00	70.52 0.91 0.00	70.54 1.18 0.00	52.65 1.08 0.00	43.77 1.11 0.00	39.19 0.81 0.00	35.37 0.66 0.00
MILLIKEN___1 23584	36.18 0.50 0.00	33.99 0.44 0.00	33.61 0.40 0.00	32.48 0.39 0.00	33.60 0.37 0.00	35.36 0.59 0.00	44.39 1.17 0.00	53.68 1.56 0.00	49.07 1.48 0.00	38.70 0.91 0.00	37.60 0.81 0.00	36.24 0.61 0.00	35.69 0.53 0.00	36.15 0.25 0.00	35.35 0.11 0.00	36.91 0.11 0.00	41.52 0.21 0.00	54.90 0.44 0.00	70.73 1.11 0.00	70.61 1.25 0.00	52.40 0.83 0.00	43.21 0.55 0.00	39.04 0.65 0.00	35.30 0.59 0.00
MILLIKEN___2 23585	36.18 0.50 0.00	33.99 0.44 0.00	33.61 0.40 0.00	32.48 0.39 0.00	33.60 0.37 0.00	35.36 0.59 0.00	44.39 1.17 0.00	53.68 1.56 0.00	49.07 1.48 0.00	38.70 0.91 0.00	37.60 0.81 0.00	36.24 0.61 0.00	35.69 0.53 0.00	36.15 0.25 0.00	35.35 0.11 0.00	36.91 0.11 0.00	41.52 0.21 0.00	54.90 0.44 0.00	70.73 1.11 0.00	70.61 1.25 0.00	52.40 0.83 0.00	43.21 0.55 0.00	39.04 0.65 0.00	35.30 0.59 0.00
MILLIKEN___DIESEL 23629	36.18 0.50 0.00	33.99 0.44 0.00	33.61 0.40 0.00	32.48 0.39 0.00	33.60 0.37 0.00	35.36 0.59 0.00	44.39 1.17 0.00	53.68 1.56 0.00	49.07 1.48 0.00	38.70 0.91 0.00	37.60 0.81 0.00	36.24 0.61 0.00	35.69 0.53 0.00	36.15 0.25 0.00	35.35 0.11 0.00	36.91 0.11 0.00	41.52 0.21 0.00	54.90 0.44 0.00	70.73 1.11 0.00	70.61 1.25 0.00	52.40 0.83 0.00	43.21 0.55 0.00	39.04 0.65 0.00	35.30 0.59 0.00
MILLSEAT___LFGE 323607	36.07 0.39 0.00	34.02 0.47 0.00	33.54 0.33 0.00	32.51 0.42 0.00	33.49 0.26 0.00	35.53 0.76 0.00	44.73 1.51 0.00	57.15 0.16 -4.88	53.41 1.14 -4.68	42.21 0.72 -3.71	41.32 0.92 -3.61	36.24 0.61 0.00	35.80 0.63 0.00	36.12 0.22 0.00	35.18 -0.07 0.00	36.32 -0.48 0.00	40.32 -0.99 0.00	51.96 -2.50 0.00	67.53 -2.09 0.00	67.63 -1.73 0.00	50.49 -1.09 0.00	41.97 -0.68 0.00	38.85 0.46 0.00	35.85 1.14 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	37.07 1.39 0.00	34.86 1.31 0.00	34.41 1.20 0.00	33.25 1.16 0.00	34.46 1.23 0.00	36.19 1.43 0.00	45.55 2.33 0.00	55.13 3.02 0.00	50.12 2.52 0.00	40.13 2.34 0.00	39.21 2.43 0.00	38.09 2.46 0.00	37.56 2.39 0.00	38.06 2.15 0.00	37.33 2.08 0.00	38.90 2.10 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.21 1.42 -0.09
MILLWOOD_13_KV_LOAD 356217	37.14 1.46 0.00	34.93 1.38 0.00	34.44 1.23 0.00	33.31 1.22 0.00	34.53 1.30 0.00	36.23 1.46 0.00	45.64 2.42 0.00	55.24 3.13 0.00	50.21 2.62 0.00	40.17 2.38 0.00	39.25 2.46 0.00	38.13 2.49 0.00	37.59 2.43 0.00	38.06 2.15 0.00	37.37 2.11 0.00	38.98 2.17 0.00	43.67 2.35 0.00	57.13 2.67 0.00	72.82 3.20 0.00	72.49 3.12 0.00	53.79 2.22 0.00	44.49 1.83 0.00	39.96 1.57 0.00	36.25 1.46 -0.09
MODEL_CITY_ENERGY 24167	35.36 -0.32 0.00	33.32 -0.23 0.00	32.88 -0.33 0.00	31.90 -0.19 0.00	32.87 -0.36 0.00	34.80 0.03 0.00	43.70 0.48 0.00	55.33 -1.36 -4.57	51.93 -0.05 -4.38	41.22 -0.04 -3.47	40.46 0.29 -3.38	35.49 -0.14 0.00	35.06 -0.11 0.00	35.36 -0.54 0.00	34.47 -0.78 0.00	35.51 -1.29 0.00	39.29 -2.02 0.00	50.27 -4.19 0.00	65.30 -4.32 0.00	65.27 -4.09 0.00	48.89 -2.68 0.00	40.74 -1.92 0.00	37.93 -0.46 0.00	35.12 0.42 0.00
MODERN_LFGE___ 323580	35.36 -0.32 0.00	33.32 -0.23 0.00	32.88 -0.33 0.00	31.90 -0.19 0.00	32.87 -0.36 0.00	34.80 0.03 0.00	43.70 0.48 0.00	55.33 -1.36 -4.57	51.93 -0.05 -4.38	41.22 -0.04 -3.47	40.46 0.29 -3.38	35.49 -0.14 0.00	35.06 -0.11 0.00	35.36 -0.54 0.00	34.47 -0.78 0.00	35.51 -1.29 0.00	39.29 -2.02 0.00	50.27 -4.19 0.00	65.30 -4.32 0.00	65.27 -4.09 0.00	48.89 -2.68 0.00	40.74 -1.92 0.00	37.93 -0.46 0.00	35.12 0.42 0.00
MOHAWK_PAPER___DRP 24187	36.43 0.75 0.00	34.25 0.70 0.00	33.91 0.70 0.00	33.60 1.51 0.00	34.86 1.63 0.00	36.47 1.70 0.00	46.03 2.81 0.00	55.66 3.54 0.00	50.50 2.90 0.00	40.09 2.31 0.00	37.96 1.18 0.00	36.81 1.18 0.00	36.33 1.16 0.00	36.80 0.90 0.00	36.10 0.85 0.00	37.80 0.99 0.00	42.39 1.07 0.00	56.04 1.58 0.00	71.64 2.02 0.00	71.24 1.87 0.00	52.96 1.39 0.00	43.77 1.11 0.00	39.12 0.73 0.00	35.39 0.73 0.05
MOHICAN___35_KV_115KV_LD 80490	36.61 0.93 0.00	34.42 0.87 0.00	34.07 0.86 0.00	32.99 0.90 0.00	34.16 0.93 0.00	35.71 0.94 0.00	44.99 1.77 0.00	54.25 2.14 0.00	49.12 1.52 0.00	38.85 1.06 0.00	37.56 0.77 0.00	36.42 0.78 0.00	35.83 0.67 0.00	36.37 0.47 0.00	35.57 0.32 0.00	37.43 0.63 0.00	42.10 0.78 0.00	56.04 1.58 0.00	71.98 2.37 0.00	71.65 2.29 0.00	53.22 1.65 0.00	43.90 1.24 0.00	39.27 0.88 0.00	35.39 0.73 0.04
MONGAUP___HYD 23641	37.29 1.61 0.00	35.02 1.47 0.00	34.57 1.36 0.00	33.44 1.35 0.00	34.66 1.43 0.00	36.29 1.53 0.00	45.77 2.55 0.00	55.55 3.44 0.00	50.45 2.86 0.00	40.02 2.23 0.00	38.92 2.13 0.00	37.77 2.14 0.00	37.28 2.11 0.00	37.73 1.83 0.00	37.05 1.80 0.00	38.68 1.88 0.00	43.63 2.31 0.00	57.46 2.99 0.00	73.44 3.83 0.00	73.25 3.88 0.00	54.30 2.73 0.00	44.75 2.09 0.00	40.15 1.77 0.00	36.31 1.53 -0.08
MONTAUK___DIESEL 23721	37.46 1.78 0.00	35.36 1.81 0.00	34.77 1.56 0.00	33.79 1.70 0.00	35.26 2.03 0.00	38.42 2.85 -0.80	46.59 3.37 0.00	54.46 2.35 0.00	49.07 1.48 0.00	40.47 2.68 0.00	39.70 2.91 -0.01	38.49 2.85 -0.01	37.71 2.53 -0.01	38.97 2.23 -0.84	39.08 2.04 -1.78	39.55 1.95 -0.79	42.47 1.16 0.00	55.12 0.65 0.00	68.18 -0.77 0.67	68.95 -0.42 0.00	51.67 0.10 0.00	43.43 0.77 0.00	39.58 1.19 0.00	36.54 1.74 -0.10
MOONROAD_115KV_HARTFLD_TB1-2 355988	36.29 0.61 0.00	34.05 0.50 0.00	33.71 0.50 0.00	32.70 0.61 0.00	33.73 0.50 0.00	35.71 0.94 0.00	44.91 1.69 0.00	57.46 1.56 -3.79	53.51 2.28 -3.63	42.40 1.74 -2.87	41.35 1.77 -2.80	36.81 1.18 0.00	36.29 1.13 0.00	36.55 0.65 0.00	35.35 0.11 0.00	36.44 -0.37 0.00	40.57 -0.74 0.00	52.77 -1.69 0.00	68.57 -1.04 0.00	68.74 -0.62 0.00	51.00 -0.57 0.00	42.19 -0.47 0.00	39.08 0.69 0.00	35.23 0.52 0.00



MORRIS RIDGE___SOLAR 323848	35.68 0.00 0.00	33.55 0.00 0.00	33.18 -0.03 0.00	32.12 0.03 0.00	33.16 -0.07 0.00	35.22 0.45 0.00	44.47 1.25 0.00	55.63 0.83 -2.69	51.56 1.38 -2.58	40.66 0.83 -2.04	39.70 0.92 -1.99	35.85 0.22 0.00	35.31 0.14 0.00	35.51 -0.39 0.00	34.58 -0.67 0.00	35.74 -1.07 0.00	39.83 -1.49 0.00	52.12 -2.34 0.00	68.02 -1.60 0.00	67.91 -1.46 0.00	50.54 -1.03 0.00	41.89 -0.77 0.00	38.54 0.15 0.00	35.36 0.66 0.00
MORTIMER_115KV_TB3 55949	35.75 0.07 0.00	33.62 0.07 0.00	33.21 0.00 0.00	32.12 0.03 0.00	33.20 -0.03 0.00	34.94 0.17 0.00	43.70 0.48 0.00	57.48 -0.47 -5.84	53.38 0.19 -5.59	42.26 0.04 -4.44	41.03 -0.07 -4.32	36.06 0.43 0.00	35.59 0.42 0.00	36.04 0.14 0.00	35.18 -0.07 0.00	36.47 -0.33 0.00	40.74 -0.58 0.00	53.27 -1.20 0.00	68.43 -1.18 0.00	68.46 -0.90 0.00	51.00 -0.57 0.00	42.15 -0.51 0.00	38.62 0.23 0.00	34.91 0.21 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.73 1.50 0.00	36.51 1.74 0.00	45.86 2.64 0.00	55.60 3.49 0.00	50.60 3.00 0.00	40.59 2.80 -0.01	39.71 2.91 -0.02	38.58 2.92 -0.02	38.12 2.85 -0.10	38.50 2.58 -0.02	37.85 2.50 -0.10	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.51 1.70 -0.10
MUNSVILLE_WIND_PWR 323609	37.46 1.78 0.00	35.29 1.74 0.00	34.87 1.66 0.00	33.60 1.51 0.00	34.86 1.63 0.00	36.89 2.12 0.00	46.55 3.33 0.00	56.49 4.38 0.00	51.50 3.90 0.00	39.64 1.85 0.00	38.66 1.88 0.00	37.06 1.43 0.00	36.47 1.30 0.00	36.51 0.61 0.00	35.64 0.39 0.00	37.32 0.51 0.00	42.35 1.03 0.00	56.48 2.02 0.00	73.58 3.97 0.00	73.81 4.44 0.00	54.66 3.09 0.00	44.96 2.30 0.00	40.42 2.03 0.00	36.59 1.87 -0.01
N SALMON___HYD 24042	36.39 0.71 0.00	34.32 0.77 0.00	33.91 0.70 0.00	32.70 0.61 0.00	33.89 0.66 0.00	35.64 0.87 0.00	43.70 0.48 0.00	52.32 0.21 0.00	48.07 0.48 0.00	38.13 0.34 0.00	37.08 0.29 0.00	35.89 0.25 0.00	35.27 0.11 0.00	36.19 0.29 0.00	35.67 0.42 0.00	37.39 0.59 0.00	42.10 0.78 0.00	55.77 1.30 0.00	71.50 1.88 0.00	71.58 2.22 0.00	52.91 1.34 0.00	43.90 1.24 0.00	39.35 0.96 0.00	35.50 0.80 0.00
N.AKRON__115KV_KNAPP 355671	36.04 0.36 0.00	33.95 0.40 0.00	33.51 0.30 0.00	32.48 0.39 0.00	33.50 0.27 0.00	35.29 0.52 0.00	44.13 0.91 0.00	56.74 -0.21 -4.83	53.23 1.00 -4.63	42.14 0.68 -3.67	40.88 0.52 -3.58	36.20 0.57 0.00	35.73 0.56 0.00	36.04 0.14 0.00	35.11 -0.14 0.00	36.25 -0.55 0.00	40.24 -1.07 0.00	52.12 -2.34 0.00	67.32 -2.30 0.00	67.42 -1.94 0.00	50.33 -1.24 0.00	41.72 -0.94 0.00	38.81 0.42 0.00	35.16 0.45 0.00
N.E_GEN_SANDY PD 24062	36.50 0.82 0.00	34.29 0.74 0.00	33.87 0.66 0.00	32.77 0.67 0.00	33.96 0.73 0.00	35.50 0.76 0.03	44.72 1.47 -0.03	54.25 2.14 0.00	49.07 1.48 0.00	39.30 1.51 0.00	38.22 1.43 0.00	37.17 1.53 0.00	36.64 1.48 0.00	37.12 1.22 0.00	36.45 1.20 0.00	38.13 1.32 0.00	42.80 1.49 0.00	56.32 1.85 0.00	71.64 2.02 0.00	71.10 1.73 0.00	53.01 1.44 0.00	43.81 1.15 0.00	39.19 0.81 0.00	35.00 0.59 0.30
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	37.11 1.43 0.00	34.86 1.31 0.00	34.41 1.20 0.00	33.25 1.16 0.00	34.46 1.23 0.00	36.23 1.46 0.00	45.64 2.42 0.00	55.29 3.18 0.00	50.26 2.67 0.00	40.17 2.38 0.00	39.29 2.50 0.00	38.16 2.53 0.00	37.63 2.46 0.00	38.09 2.19 0.00	37.33 2.08 0.00	38.94 2.13 0.00	43.63 2.31 0.00	57.13 2.67 0.00	72.89 3.27 0.00	72.63 3.26 0.00	53.79 2.22 0.00	44.45 1.79 0.00	39.92 1.54 0.00	36.21 1.42 -0.08
N.QUEENS_27_KV_LOAD 356247	37.71 2.03 0.00	35.30 1.74 -0.01	34.81 1.59 -0.01	33.64 1.54 -0.01	34.87 1.63 -0.01	36.64 1.88 0.00	45.73 2.51 0.00	56.02 3.91 0.00	50.79 3.19 0.00	40.71 2.91 -0.01	39.78 2.98 -0.02	38.72 3.06 -0.02	38.20 2.95 -0.08	38.65 2.73 -0.02	37.97 2.64 -0.08	39.54 2.72 -0.02	44.14 2.81 -0.02	57.24 2.78 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.74 2.17 0.00	44.49 1.83 0.00	40.27 1.88 0.00	36.62 1.80 -0.11
N.TROY___115KV_TB1 355778	36.50 0.82 0.00	34.29 0.74 0.00	33.94 0.73 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.60 0.83 0.00	44.82 1.60 0.00	54.20 2.08 0.00	49.07 1.48 0.00	39.15 1.36 0.00	38.00 1.21 0.00	36.88 1.25 0.00	36.33 1.16 0.00	36.87 0.97 0.00	36.17 0.92 0.00	37.87 1.07 0.00	42.51 1.20 0.00	56.15 1.69 0.00	71.78 2.16 0.00	71.31 1.94 0.00	53.07 1.50 0.00	43.85 1.19 0.00	39.23 0.84 0.00	35.38 0.73 0.06
NARROWS_GT1_1 24228	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT1_2 24229	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT1_3 24230	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT1_4 24231	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT1_5 24232	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11



NARROWS_GT1_6 24233	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT1_7 24234	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT1_8 24235	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT2_1 24236	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT2_2 24237	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT2_3 24238	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT2_4 24239	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT2_5 24240	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT2_6 24241	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT2_7 24242	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NARROWS_GT2_8 24243	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	36.46 0.78 0.00	34.32 0.77 0.00	33.97 0.76 0.00	32.86 0.77 0.00	34.06 0.83 0.00	35.91 1.15 0.00	45.25 2.03 0.00	54.72 2.61 0.00	49.45 1.86 0.00	38.88 1.10 0.00	37.67 0.88 0.00	36.45 0.82 0.00	35.90 0.74 0.00	36.40 0.50 0.00	35.81 0.56 0.00	37.54 0.74 0.00	42.14 0.83 0.00	55.93 1.47 0.00	71.78 2.16 0.00	71.45 2.08 0.00	53.12 1.55 0.00	43.77 1.11 0.00	39.16 0.77 0.00	35.74 1.04 0.01
NCHELSEA_115KV_TR2 355582	37.18 1.50 0.00	34.96 1.41 0.00	34.51 1.30 0.00	33.38 1.28 0.00	34.56 1.33 0.00	36.23 1.46 0.00	45.64 2.42 0.00	55.29 3.18 0.00	50.21 2.62 0.00	40.06 2.27 0.00	39.10 2.32 0.00	37.99 2.35 0.00	37.42 2.25 0.00	37.91 2.01 0.00	37.22 1.97 0.00	38.83 2.02 0.00	43.59 2.27 0.00	57.19 2.72 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.58 1.92 0.00	40.00 1.61 0.00	36.29 1.49 -0.10
NEG CAPITAL____MECHNVIL 23645	36.79 1.11 0.00	34.59 1.04 0.00	34.24 1.03 0.00	33.12 1.03 0.00	34.32 1.09 0.00	35.88 1.11 0.00	45.12 1.90 0.00	54.51 2.40 0.00	49.45 1.85 0.00	39.26 1.47 0.00	38.04 1.25 0.00	36.88 1.25 0.00	36.32 1.16 0.00	36.87 0.97 0.00	36.13 0.88 0.00	37.91 1.10 0.00	42.60 1.28 0.00	56.48 2.02 0.00	72.26 2.64 0.00	71.86 2.49 0.00	53.48 1.91 0.00	44.15 1.49 0.00	39.54 1.15 0.00	35.56 0.90 0.05
NEG CENTRAL_HIGH_ACRES 23767	34.97 -0.71 0.00	32.88 -0.67 0.00	32.48 -0.73 0.00	31.42 -0.68 0.00	32.47 -0.76 0.00	34.25 -0.52 0.00	43.00 -0.22 0.00	56.51 -1.20 -5.59	52.29 -0.67 -5.36	41.40 -0.64 -4.25	40.34 -0.59 -4.14	35.31 -0.32 0.00	34.81 -0.35 0.00	35.26 -0.65 0.00	34.44 -0.81 0.00	35.77 -1.03 0.00	40.03 -1.28 0.00	52.39 -2.07 0.00	67.53 -2.09 0.00	67.42 -1.94 0.00	50.18 -1.39 0.00	41.51 -1.15 0.00	37.77 -0.62 0.00	34.39 -0.31 0.00



NEG CENTRAL___DRP 24199	35.82 0.14 0.00	33.65 0.10 0.00	33.28 0.07 0.00	32.19 0.10 0.00	33.30 0.07 0.00	35.05 0.28 0.00	44.04 0.82 0.00	56.74 0.94 -3.69	52.23 1.09 -3.54	41.23 0.64 -2.80	40.07 0.55 -2.73	36.06 0.43 0.00	35.52 0.35 0.00	35.97 0.07 0.00	35.14 -0.11 0.00	36.62 -0.18 0.00	41.11 -0.21 0.00	54.25 -0.22 0.00	69.90 0.28 0.00	69.71 0.35 0.00	51.78 0.21 0.00	42.70 0.04 0.00	38.69 0.31 0.00	34.98 0.28 0.00
NEG CENTRAL___INDECK 23768	36.75 1.07 0.00	34.59 1.04 0.00	34.07 0.86 0.00	33.02 0.93 0.00	34.09 0.86 0.00	36.19 1.43 0.00	45.77 2.55 0.00	57.98 2.14 -3.73	53.55 2.38 -3.57	42.06 1.44 -2.83	40.80 1.25 -2.76	36.60 0.96 0.00	36.05 0.88 0.00	36.44 0.54 0.00	35.53 0.28 0.00	36.88 0.07 0.00	39.95 -1.36 0.00	52.56 -1.91 0.00	68.50 -1.12 0.00	68.54 -0.83 0.00	51.00 -0.57 0.00	42.19 -0.47 0.00	39.85 1.46 0.00	36.41 1.70 0.00
NEG CENTRAL___SENECA 23627	36.04 0.36 0.00	33.85 0.30 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.46 0.23 0.00	35.29 0.52 0.00	44.47 1.25 0.00	57.49 1.35 -4.02	52.97 1.52 -3.85	41.79 0.94 -3.06	40.57 0.81 -2.98	36.31 0.68 0.00	35.76 0.60 0.00	36.15 0.25 0.00	35.28 0.04 0.00	36.69 -0.11 0.00	41.19 -0.12 0.00	54.35 -0.11 0.00	70.24 0.63 0.00	70.13 0.76 0.00	51.98 0.41 0.00	42.87 0.21 0.00	38.96 0.58 0.00	35.23 0.52 0.00
NEG CENTRAL___STATE_STREET 24147	35.71 0.04 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.06 -0.03 0.00	33.16 -0.07 0.00	34.87 0.10 0.00	43.74 0.52 0.00	55.88 0.68 -3.09	51.27 0.71 -2.96	40.51 0.38 -2.35	39.40 0.33 -2.29	35.88 0.25 0.00	35.31 0.14 0.00	35.83 -0.07 0.00	35.07 -0.18 0.00	36.55 -0.26 0.00	41.07 -0.25 0.00	54.25 -0.22 0.00	69.76 0.14 0.00	69.57 0.21 0.00	51.67 0.10 0.00	42.66 0.00 0.00	38.54 0.15 0.00	34.81 0.10 0.00
NEG MILLWOOD___DRP 24198	37.28 1.61 0.00	35.03 1.48 0.00	34.57 1.36 0.00	33.41 1.32 0.00	34.63 1.40 0.00	36.30 1.53 0.00	45.77 2.55 0.00	55.39 3.28 0.00	50.31 2.71 0.00	40.09 2.31 0.00	39.10 2.32 0.00	38.02 2.39 0.00	37.49 2.32 0.00	37.95 2.05 0.00	37.29 2.04 0.00	38.94 2.13 0.00	43.67 2.35 0.00	57.24 2.78 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.99 2.42 0.00	44.66 2.00 0.00	40.04 1.65 0.00	36.33 1.53 -0.10
NEG NORTH_FLCN_SEA 23793	35.75 0.07 0.00	33.75 0.20 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.53 0.30 0.00	35.25 0.49 0.00	43.22 0.00 0.00	51.33 -0.78 0.00	47.12 -0.48 0.00	37.79 0.00 0.00	36.71 -0.07 0.00	35.53 -0.11 0.00	34.92 -0.25 0.00	35.76 -0.14 0.00	35.25 0.00 0.00	36.88 0.07 0.00	41.52 0.21 0.00	54.63 0.16 0.00	70.03 0.42 0.00	69.85 0.49 0.00	51.78 0.21 0.00	43.30 0.64 0.00	38.85 0.46 0.00	35.12 0.42 0.00
NEG NORTH_KES_CHATEGAY 23792	35.86 0.18 0.00	33.82 0.27 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.50 0.27 0.00	35.15 0.38 0.00	43.05 -0.17 0.00	51.54 -0.57 0.00	47.26 -0.33 0.00	37.52 -0.26 0.00	36.46 -0.33 0.00	35.28 -0.36 0.00	34.74 -0.42 0.00	35.72 -0.18 0.00	35.25 0.00 0.00	36.88 0.07 0.00	41.48 0.17 0.00	54.90 0.44 0.00	70.31 0.70 0.00	70.13 0.76 0.00	52.03 0.46 0.00	43.17 0.51 0.00	38.77 0.38 0.00	35.02 0.31 0.00
NEG NORTH___ALICE_FALLS 23915	36.04 0.36 0.00	33.99 0.44 0.00	33.64 0.43 0.00	32.54 0.45 0.00	33.73 0.50 0.00	35.46 0.70 0.00	43.52 0.30 0.00	51.80 -0.31 0.00	47.55 -0.05 0.00	37.98 0.19 0.00	36.90 0.11 0.00	35.71 0.07 0.00	35.10 -0.07 0.00	35.94 0.04 0.00	35.43 0.18 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.23 0.76 0.00	70.87 1.25 0.00	70.61 1.25 0.00	52.34 0.77 0.00	43.60 0.94 0.00	39.12 0.73 0.00	35.33 0.62 0.00
NEG NORTH___LWR_SARANAC 23913	36.04 0.36 0.00	33.99 0.44 0.00	33.64 0.43 0.00	32.54 0.45 0.00	33.73 0.50 0.00	35.46 0.70 0.00	43.52 0.30 0.00	51.80 -0.31 0.00	47.55 -0.05 0.00	37.98 0.19 0.00	36.90 0.11 0.00	35.71 0.07 0.00	35.10 -0.07 0.00	35.94 0.04 0.00	35.43 0.18 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.23 0.76 0.00	70.87 1.25 0.00	70.61 1.25 0.00	52.34 0.77 0.00	43.60 0.94 0.00	39.12 0.73 0.00	35.33 0.62 0.00
NEG NORTH___PLATTSBURG 23628	36.04 0.36 0.00	33.99 0.44 0.00	33.64 0.43 0.00	32.54 0.45 0.00	33.73 0.50 0.00	35.46 0.70 0.00	43.56 0.34 0.00	51.80 -0.31 0.00	47.55 -0.05 0.00	37.98 0.19 0.00	36.90 0.11 0.00	35.71 0.07 0.00	35.10 -0.07 0.00	35.97 0.07 0.00	35.43 0.18 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.23 0.76 0.00	70.94 1.32 0.00	70.96 1.60 0.00	52.35 0.77 0.00	43.60 0.94 0.00	39.12 0.73 0.00	35.33 0.63 0.00
NEG WEST_LEA_LOCKPORT 23791	35.64 -0.04 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	34.91 0.14 0.00	43.52 0.30 0.00	55.64 -1.09 -4.62	52.31 0.29 -4.43	41.49 0.19 -3.51	40.28 0.07 -3.42	35.85 0.21 0.00	35.38 0.21 0.00	35.65 -0.25 0.00	34.76 -0.49 0.00	35.81 -0.99 0.00	39.66 -1.65 0.00	51.09 -3.38 0.00	65.93 -3.69 0.00	66.04 -3.33 0.00	49.35 -2.22 0.00	40.95 -1.71 0.00	38.31 -0.08 0.00	34.74 0.03 0.00
NEG WEST___LANCASTR 23811	35.07 -0.61 0.00	32.98 -0.57 0.00	32.58 -0.63 0.00	31.58 -0.51 0.00	32.60 -0.63 0.00	34.49 -0.28 0.00	43.48 0.26 0.00	57.98 2.14 -3.73	54.12 2.95 -3.57	42.77 2.15 -2.83	41.60 2.06 -2.75	35.56 -0.07 0.00	35.10 -0.07 0.00	35.36 -0.54 0.00	34.37 -0.88 0.00	35.41 -1.40 0.00	39.41 -1.90 0.00	51.20 -3.27 0.00	66.41 -3.20 0.00	66.45 -2.91 0.00	49.25 -2.32 0.00	40.78 -1.88 0.00	37.77 -0.61 0.00	34.25 -0.45 0.00
NEG_PENN_ALLEGHNY 23528	36.04 0.36 0.00	33.85 0.30 0.00	33.47 0.26 0.00	32.38 0.29 0.00	33.53 0.30 0.00	35.29 0.52 0.00	44.43 1.21 0.00	52.53 1.56 1.14	48.12 1.62 1.09	38.05 1.13 0.87	37.12 1.18 0.85	36.42 0.78 0.00	35.91 0.74 0.00	36.33 0.43 0.00	35.50 0.25 0.00	36.95 0.15 0.00	41.44 0.12 0.00	54.46 0.00 0.00	70.11 0.49 0.00	69.92 0.55 0.00	51.93 0.36 0.00	42.92 0.26 0.00	38.85 0.46 0.00	35.27 0.55 -0.01
NEG___GEN_MONROE 24207	35.89 0.21 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.28 0.19 0.00	33.33 0.10 0.00	35.08 0.31 0.00	43.83 0.61 0.00	57.48 -0.42 -5.78	53.47 0.33 -5.54	42.33 0.15 -4.40	41.10 0.04 -4.28	36.06 0.43 0.00	35.59 0.42 0.00	36.01 0.11 0.00	35.11 -0.14 0.00	36.40 -0.40 0.00	40.57 -0.74 0.00	52.99 -1.47 0.00	68.22 -1.39 0.00	68.32 -1.04 0.00	50.90 -0.67 0.00	42.10 -0.55 0.00	38.69 0.31 0.00	35.09 0.38 0.00
NEPA___ENERGY 23901	35.82 0.14 0.00	33.62 0.07 0.00	33.24 0.03 0.00	32.22 0.13 0.00	33.26 0.03 0.00	35.18 0.42 0.00	44.39 1.17 0.00	56.92 1.09 -3.71	53.06 1.90 -3.56	41.85 1.25 -2.82	40.78 1.25 -2.74	36.31 0.68 0.00	35.83 0.67 0.00	36.08 0.18 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	40.24 -1.07 0.00	52.34 -2.12 0.00	67.88 -1.74 0.00	67.98 -1.39 0.00	50.33 -1.24 0.00	41.68 -0.98 0.00	38.50 0.12 0.00	34.91 0.21 0.00



NEVERSINK___HYD 23608	37.43 1.75 0.00	35.16 1.61 0.00	34.71 1.50 0.00	33.57 1.48 0.00	34.79 1.56 0.00	36.44 1.67 0.00	45.94 2.72 0.00	55.76 3.65 0.00	50.74 3.14 0.00	40.21 2.42 0.00	39.18 2.39 0.00	38.06 2.42 0.00	37.52 2.36 0.00	37.95 2.05 0.00	37.26 2.01 0.00	38.86 2.06 0.00	43.79 2.48 0.00	57.68 3.21 0.00	73.65 4.04 0.00	73.53 4.16 0.00	54.51 2.94 0.00	44.92 2.26 0.00	40.31 1.92 0.00	36.44 1.67 -0.07
NEWKRMKL_115KV_TB1 55635	35.93 0.25 0.00	33.82 0.27 0.00	33.51 0.30 0.00	32.35 0.26 0.00	33.50 0.27 0.00	34.94 0.17 0.00	43.91 0.69 0.00	53.15 1.04 0.00	48.31 0.71 0.00	38.54 0.76 0.00	37.52 0.74 0.00	36.35 0.71 0.00	35.90 0.74 0.00	36.37 0.47 0.00	35.71 0.46 0.00	37.32 0.52 0.00	41.85 0.54 0.00	55.23 0.76 0.00	70.59 0.97 0.00	70.13 0.76 0.00	52.19 0.62 0.00	43.13 0.47 0.00	38.58 0.19 0.00	34.98 0.31 0.04
NEWTON___FALLS_HYD 23847	36.39 0.71 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.41 0.32 0.00	33.63 0.40 0.00	35.36 0.59 0.00	43.48 0.26 0.00	54.22 0.42 -1.69	49.55 0.33 -1.62	38.92 -0.15 -1.29	37.89 -0.15 -1.25	35.46 -0.18 0.00	34.92 -0.25 0.00	35.61 -0.29 0.00	35.04 -0.21 0.00	36.73 -0.07 0.00	41.40 0.08 0.00	54.90 0.44 0.00	70.45 0.84 0.00	70.61 1.25 0.00	52.60 1.03 0.00	43.64 0.98 0.00	39.12 0.73 0.00	35.26 0.56 0.00
NGRID_A1_DSASP 323792	35.68 0.00 0.00	33.58 0.03 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	35.22 0.45 0.00	43.65 0.43 0.00	55.27 -1.36 -4.51	51.68 -0.24 -4.32	40.91 -0.30 -3.42	40.16 0.04 -3.33	35.53 -0.11 0.00	35.10 -0.07 0.00	35.36 -0.54 0.00	34.51 -0.74 0.00	35.55 -1.25 0.00	39.29 -2.02 0.00	50.10 -4.36 0.00	65.09 -4.52 0.00	65.00 -4.37 0.00	48.79 -2.79 0.00	40.70 -1.96 0.00	37.93 -0.46 0.00	35.50 0.80 0.00
NGRID_A2_DSASP 323793	35.68 0.00 0.00	33.58 0.03 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	35.22 0.45 0.00	43.65 0.43 0.00	55.27 -1.36 -4.51	51.68 -0.24 -4.32	40.91 -0.30 -3.42	40.16 0.04 -3.33	35.53 -0.11 0.00	35.10 -0.07 0.00	35.36 -0.54 0.00	34.51 -0.74 0.00	35.55 -1.25 0.00	39.29 -2.02 0.00	50.10 -4.36 0.00	65.09 -4.52 0.00	65.00 -4.37 0.00	48.79 -2.79 0.00	40.70 -1.96 0.00	37.93 -0.46 0.00	35.50 0.80 0.00
NGRID_A4_DSASP 323807	35.68 0.00 0.00	33.58 0.03 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	35.22 0.45 0.00	43.65 0.43 0.00	55.27 -1.36 -4.51	51.68 -0.24 -4.32	40.91 -0.30 -3.42	40.16 0.04 -3.33	35.53 -0.11 0.00	35.10 -0.07 0.00	35.36 -0.54 0.00	34.51 -0.74 0.00	35.55 -1.25 0.00	39.29 -2.02 0.00	50.10 -4.36 0.00	65.09 -4.52 0.00	65.00 -4.37 0.00	48.79 -2.79 0.00	40.70 -1.96 0.00	37.93 -0.46 0.00	35.50 0.80 0.00
NIAGARA_115E_LBMP 323715	35.18 -0.50 0.00	33.18 -0.37 0.00	32.75 -0.46 0.00	31.74 -0.35 0.00	32.73 -0.50 0.00	34.63 -0.14 0.00	43.48 0.26 0.00	54.96 -1.67 -4.52	51.64 -0.28 -4.33	41.03 -0.19 -3.43	40.27 0.15 -3.34	35.35 -0.29 0.00	34.88 -0.28 0.00	35.18 -0.72 0.00	34.30 -0.95 0.00	35.37 -1.44 0.00	39.08 -2.23 0.00	49.94 -4.52 0.00	64.88 -4.74 0.00	64.86 -4.51 0.00	48.63 -2.94 0.00	40.53 -2.13 0.00	37.73 -0.65 0.00	34.95 0.24 0.00
NIAGARA_115W_LBMP 323714	35.64 -0.04 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.19 0.42 0.00	43.56 0.34 0.00	55.22 -1.40 -4.51	51.64 -0.28 -4.32	40.87 -0.34 -3.43	40.12 0.00 -3.34	35.46 -0.18 0.00	35.03 -0.14 0.00	35.29 -0.61 0.00	34.44 -0.81 0.00	35.48 -1.32 0.00	39.21 -2.11 0.00	50.05 -4.41 0.00	64.95 -4.66 0.00	64.86 -4.51 0.00	48.68 -2.89 0.00	40.61 -2.05 0.00	37.85 -0.54 0.00	35.47 0.76 0.00
NIAGARA_230_LBMP 323716	35.47 -0.21 0.00	33.38 -0.17 0.00	32.94 -0.27 0.00	31.96 -0.13 0.00	32.93 -0.30 0.00	34.98 0.21 0.00	43.87 0.65 0.00	55.19 -1.46 -4.54	51.56 -0.38 -4.35	40.86 -0.38 -3.45	40.07 -0.07 -3.36	35.67 0.04 0.00	35.24 0.07 0.00	35.54 -0.36 0.00	34.65 -0.60 0.00	35.74 -1.07 0.00	39.54 -1.78 0.00	50.54 -3.92 0.00	65.58 -4.04 0.00	65.48 -3.88 0.00	49.10 -2.47 0.00	40.91 -1.75 0.00	38.08 -0.31 0.00	35.26 0.55 0.00
NIAGARA___115KV_198_GIBSON 55903	35.64 -0.04 0.00	33.52 -0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	34.94 0.17 0.00	42.96 -0.26 0.00	54.96 -1.67 -4.51	51.54 -0.38 -4.32	40.88 -0.34 -3.43	39.72 -0.40 -3.34	35.46 -0.18 0.00	34.99 -0.18 0.00	35.29 -0.61 0.00	34.40 -0.85 0.00	35.44 -1.36 0.00	39.17 -2.15 0.00	50.32 -4.14 0.00	64.88 -4.73 0.00	64.86 -4.51 0.00	48.63 -2.94 0.00	40.40 -2.26 0.00	37.85 -0.54 0.00	34.78 0.07 0.00
NIAGARA____ 23760	35.47 -0.21 0.00	33.38 -0.17 0.00	32.94 -0.27 0.00	31.96 -0.13 0.00	32.93 -0.30 0.00	34.98 0.21 0.00	43.87 0.65 0.00	55.19 -1.46 -4.53	51.56 -0.38 -4.35	40.86 -0.38 -3.45	40.07 -0.07 -3.36	35.67 0.04 0.00	35.24 0.07 0.00	35.54 -0.36 0.00	34.65 -0.60 0.00	35.74 -1.07 0.00	39.54 -1.78 0.00	50.54 -3.92 0.00	65.58 -4.04 0.00	65.48 -3.88 0.00	49.10 -2.47 0.00	40.91 -1.75 0.00	38.08 -0.31 0.00	35.26 0.55 0.00
NINE_MILE_1 23575	34.68 -1.00 0.00	32.61 -0.94 0.00	32.25 -0.96 0.00	31.16 -0.93 0.00	32.27 -0.96 0.00	33.83 -0.94 0.00	42.27 -0.95 0.00	1.42 -1.15 49.55	-0.90 -1.00 47.50	-0.71 -0.83 37.67	-0.70 -0.81 36.67	34.82 -0.82 0.00	34.32 -0.84 0.00	34.90 -1.01 0.00	34.19 -1.06 0.00	35.66 -1.14 0.00	40.03 -1.28 0.00	52.67 -1.80 0.00	67.53 -2.09 0.00	67.29 -2.08 0.00	50.03 -1.55 0.00	41.38 -1.28 0.00	37.35 -1.03 0.00	33.84 -0.87 0.00
NINE_MILE_2 23744	34.68 -1.00 0.00	32.61 -0.94 0.00	32.25 -0.96 0.00	31.16 -0.93 0.00	32.27 -0.96 0.00	33.86 -0.90 0.00	42.27 -0.95 0.00	1.00 -1.15 49.96	-1.30 -1.00 47.89	-1.03 -0.83 37.98	-1.00 -0.81 36.98	34.82 -0.82 0.00	34.32 -0.84 0.00	34.90 -1.01 0.00	34.19 -1.06 0.00	35.70 -1.10 0.00	40.03 -1.28 0.00	52.67 -1.80 0.00	67.53 -2.09 0.00	67.29 -2.08 0.00	50.03 -1.55 0.00	41.38 -1.28 0.00	37.35 -1.03 0.00	33.84 -0.87 0.00
NM_CAPITAL___DRP 24208	36.07 0.39 0.00	33.95 0.40 0.00	33.61 0.40 0.00	32.41 0.32 0.00	33.60 0.37 0.00	35.08 0.31 0.00	44.08 0.86 0.00	53.31 1.20 0.00	48.45 0.86 0.00	38.66 0.87 0.00	37.71 0.92 0.00	36.53 0.89 0.00	36.08 0.91 0.00	36.55 0.65 0.00	35.88 0.63 0.00	37.50 0.70 0.00	42.06 0.74 0.00	55.50 1.03 0.00	70.87 1.25 0.00	70.48 1.11 0.00	52.45 0.88 0.00	43.30 0.64 0.00	38.77 0.38 0.00	35.08 0.42 0.05
NM_CENTRAL___DRP 24181	35.32 -0.36 0.00	33.18 -0.37 0.00	32.81 -0.40 0.00	31.71 -0.39 0.00	32.83 -0.40 0.00	34.45 -0.31 0.00	43.05 -0.17 0.00	53.70 -0.16 -1.75	49.27 0.00 -1.68	39.04 -0.08 -1.33	38.04 -0.04 -1.29	35.56 -0.07 0.00	35.06 -0.11 0.00	35.58 -0.32 0.00	34.83 -0.42 0.00	36.33 -0.48 0.00	40.78 -0.54 0.00	53.65 -0.82 0.00	68.78 -0.84 0.00	68.53 -0.83 0.00	50.95 -0.62 0.00	42.10 -0.55 0.00	38.08 -0.31 0.00	34.43 -0.28 0.00



NM_FRONTIER___DRP 24179	35.64 -0.04 0.00	33.52 -0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	34.94 0.17 0.00	42.96 -0.26 0.00	54.96 -1.67 -4.51	51.54 -0.38 -4.32	40.88 -0.34 -3.43	39.72 -0.40 -3.34	35.46 -0.18 0.00	34.99 -0.18 0.00	35.29 -0.61 0.00	34.40 -0.85 0.00	35.44 -1.36 0.00	39.17 -2.15 0.00	50.32 -4.14 0.00	64.88 -4.73 0.00	64.86 -4.51 0.00	48.63 -2.94 0.00	40.40 -2.26 0.00	37.85 -0.54 0.00	34.78 0.07 0.00
NM_ST_REGIS___HYD 24053	36.43 0.75 0.00	34.32 0.77 0.00	33.91 0.70 0.00	32.64 0.55 0.00	33.83 0.60 0.00	35.53 0.76 0.00	43.39 0.17 0.00	53.04 0.05 -0.88	48.58 0.14 -0.84	38.49 0.04 -0.67	37.43 0.00 -0.65	35.60 -0.04 0.00	35.06 -0.11 0.00	35.94 0.04 0.00	35.46 0.21 0.00	37.17 0.37 0.00	41.89 0.58 0.00	55.44 0.98 0.00	70.80 1.18 0.00	70.75 1.39 0.00	52.76 1.19 0.00	43.81 1.15 0.00	39.27 0.88 0.00	35.43 0.73 0.00
NORTHPORT___1 23551	37.68 2.00 0.00	35.43 1.88 0.00	34.84 1.63 0.00	33.73 1.64 0.00	35.06 1.83 0.00	37.76 2.19 -0.80	45.47 2.25 0.00	53.88 1.77 0.00	48.74 1.14 0.00	40.74 2.95 0.00	39.63 2.83 -0.01	38.64 2.99 -0.01	38.06 2.88 -0.01	39.32 2.59 -0.83	39.55 2.54 -1.76	40.09 2.50 -0.78	43.17 1.86 0.00	55.93 1.47 0.00	69.47 0.35 0.50	69.71 0.35 0.00	52.24 0.67 0.00	43.56 0.90 0.00	40.23 1.84 0.00	36.61 1.80 -0.10
NORTHPORT___2 23552	37.68 2.00 0.00	35.43 1.88 0.00	34.84 1.63 0.00	33.73 1.64 0.00	35.06 1.83 0.00	37.76 2.19 -0.80	45.47 2.25 0.00	53.88 1.77 0.00	48.74 1.14 0.00	40.74 2.95 0.00	39.63 2.83 -0.01	38.64 2.99 -0.01	38.06 2.88 -0.01	39.32 2.59 -0.83	39.55 2.54 -1.76	40.09 2.50 -0.78	43.17 1.86 0.00	55.93 1.47 0.00	69.47 0.35 0.50	69.71 0.35 0.00	52.24 0.67 0.00	43.56 0.90 0.00	40.23 1.84 0.00	36.61 1.80 -0.10
NORTHPORT___3 23553	37.71 2.03 0.00	35.46 1.91 0.00	34.87 1.66 0.00	33.79 1.70 0.00	35.09 1.86 0.00	37.72 2.16 -0.80	44.99 1.77 0.00	53.46 1.35 0.01	48.40 0.81 0.01	40.81 3.02 0.00	39.59 2.79 -0.01	38.71 3.07 -0.01	38.17 2.99 -0.01	39.40 2.66 -0.84	39.58 2.54 -1.79	40.03 2.43 -0.80	42.79 1.49 0.01	55.65 1.20 0.01	65.81 0.14 3.95	69.57 0.21 0.01	52.03 0.46 0.01	43.25 0.60 0.01	40.15 1.77 0.00	36.68 1.87 -0.10
NORTHPORT___4 23650	37.71 2.03 0.00	35.46 1.91 0.00	34.87 1.66 0.00	33.79 1.70 0.00	35.09 1.86 0.00	37.72 2.16 -0.80	44.99 1.77 0.00	53.46 1.35 0.01	48.40 0.81 0.01	40.81 3.02 0.00	39.59 2.79 -0.01	38.71 3.07 -0.01	38.17 2.99 -0.01	39.40 2.66 -0.84	39.58 2.54 -1.79	40.03 2.43 -0.80	42.79 1.49 0.01	55.65 1.20 0.01	65.81 0.14 3.95	69.57 0.21 0.01	52.03 0.46 0.01	43.25 0.60 0.01	40.15 1.77 0.00	36.68 1.87 -0.10
NORTHPORT___IC 23718	37.68 2.00 0.00	35.50 1.95 0.00	34.84 1.63 0.00	33.73 1.64 0.00	35.06 1.83 0.00	37.79 2.23 -0.80	45.86 2.64 0.00	53.78 1.67 0.00	48.74 1.14 0.00	40.70 2.91 0.00	39.74 2.94 -0.01	38.60 2.96 -0.01	38.03 2.85 -0.01	39.31 2.58 -0.83	39.55 2.54 -1.76	40.09 2.50 -0.78	42.97 1.65 0.00	55.77 1.31 0.00	69.47 0.35 0.50	69.78 0.42 0.00	52.29 0.72 0.00	43.72 1.07 0.00	40.23 1.84 0.00	36.89 2.08 -0.10
NORTH___COUNTRY_ESR 323785	35.75 0.07 0.00	33.72 0.17 0.00	33.38 0.17 0.00	32.25 0.16 0.00	33.43 0.20 0.00	35.04 0.28 0.00	42.92 -0.30 0.00	51.38 -0.73 0.00	47.12 -0.48 0.00	37.48 -0.30 0.00	36.42 -0.37 0.00	35.24 -0.39 0.00	34.71 -0.46 0.00	35.76 -0.14 0.00	35.21 -0.04 0.00	36.84 0.04 0.00	41.44 0.12 0.00	54.79 0.33 0.00	70.17 0.55 0.00	70.13 0.76 0.00	51.88 0.31 0.00	43.04 0.38 0.00	38.66 0.27 0.00	34.92 0.21 0.00
NPX_GEN_1385_PROXY 323591	34.70 1.32 2.30	34.79 1.24 0.00	33.28 1.00 0.93	32.98 1.03 0.14	34.52 1.29 0.00	37.17 1.63 -0.77	45.45 2.20 -0.03	53.83 1.72 0.00	48.40 0.81 0.00	40.28 2.49 0.00	39.22 2.43 -0.01	38.24 2.60 -0.01	37.54 2.36 -0.01	38.77 2.05 -0.83	39.16 2.15 -1.76	39.72 2.13 -0.78	42.92 1.61 0.00	55.66 1.20 0.00	68.98 -0.14 0.50	68.67 -0.69 0.00	51.73 0.16 0.00	42.96 0.30 0.00	37.06 1.11 2.44	33.68 1.14 2.17
NPX_GEN_CSC 323557	37.50 1.82 0.00	35.26 1.71 0.00	34.64 1.43 0.00	33.57 1.48 0.00	34.92 1.69 0.00	37.73 2.19 -0.77	45.50 2.25 -0.03	53.78 1.67 0.00	48.60 1.00 0.00	40.39 2.61 0.00	39.30 2.50 -0.01	38.32 2.67 -0.01	37.71 2.53 -0.01	39.04 2.30 -0.84	39.22 2.19 -1.78	39.81 2.21 -0.79	43.01 1.69 0.00	55.77 1.30 0.00	68.88 -0.07 0.67	69.50 0.14 0.00	52.14 0.57 0.00	43.60 0.94 0.00	40.15 1.77 0.00	36.47 1.67 -0.10
NSINS_S_GLNS_FALLS 23858	36.53 0.86 0.00	34.36 0.81 0.00	34.04 0.83 0.00	32.96 0.87 0.00	34.09 0.86 0.00	35.64 0.87 0.00	44.91 1.69 0.00	54.14 2.03 0.00	49.02 1.43 0.00	38.77 0.98 0.00	37.49 0.70 0.00	36.35 0.71 0.00	35.76 0.60 0.00	36.30 0.39 0.00	35.50 0.25 0.00	37.36 0.55 0.00	42.02 0.70 0.00	55.88 1.42 0.00	71.84 2.23 0.00	71.52 2.15 0.00	53.12 1.55 0.00	43.81 1.15 0.00	39.19 0.81 0.00	35.32 0.66 0.04
NUCOR_STEEL___DRP 24197	35.75 0.07 0.00	33.58 0.03 0.00	33.21 0.00 0.00	32.09 0.00 0.00	33.20 -0.03 0.00	34.87 0.10 0.00	43.70 0.48 0.00	55.81 0.57 -3.13	51.21 0.62 -3.00	40.54 0.38 -2.38	39.40 0.29 -2.32	35.88 0.25 0.00	35.34 0.18 0.00	35.83 -0.07 0.00	35.07 -0.18 0.00	36.58 -0.22 0.00	41.11 -0.21 0.00	54.19 -0.27 0.00	69.69 0.07 0.00	69.50 0.14 0.00	51.62 0.05 0.00	42.66 0.00 0.00	38.54 0.15 0.00	34.84 0.14 0.00
NUMBER_THREE_WT_PWR 323818	36.46 0.78 0.00	34.35 0.80 0.00	33.94 0.73 0.00	32.25 0.16 0.00	33.49 0.26 0.00	35.22 0.45 0.00	43.82 0.60 0.00	54.95 0.99 -1.85	50.08 0.72 -1.77	39.12 -0.08 -1.41	38.12 -0.04 -1.37	35.49 -0.14 0.00	35.03 -0.14 0.00	35.54 -0.36 0.00	34.86 -0.39 0.00	36.51 -0.30 0.00	41.19 -0.12 0.00	54.68 0.22 0.00	70.52 0.90 0.00	70.82 1.46 0.00	52.50 0.93 0.00	43.43 0.77 0.00	38.92 0.54 0.00	35.12 0.42 0.00
NYISO_LBMP_REFERENCE 24008	35.68 0.00 0.00	33.55 0.00 0.00	33.21 0.00 0.00	32.09 0.00 0.00	33.23 0.00 0.00	34.77 0.00 0.00	43.22 0.00 0.00	52.11 0.00 0.00	47.60 0.00 0.00	37.79 0.00 0.00	36.79 0.00 0.00	35.63 0.00 0.00	35.17 0.00 0.00	35.90 0.00 0.00	35.25 0.00 0.00	36.80 0.00 0.00	41.31 0.00 0.00	54.46 0.00 0.00	69.62 0.00 0.00	69.37 0.00 0.00	51.57 0.00 0.00	42.66 0.00 0.00	38.39 0.00 0.00	34.71 0.00 0.00
NYPA_BRENTWD____GT 24164	38.03 2.35 0.00	35.76 2.21 0.00	35.14 1.93 0.00	34.05 1.96 0.00	35.39 2.16 0.00	38.21 2.64 -0.80	46.20 2.98 0.00	54.77 2.66 0.00	49.50 1.91 0.00	41.07 3.29 0.00	39.96 3.16 -0.01	38.96 3.31 -0.01	38.35 3.17 -0.01	39.67 2.91 -0.87	39.94 2.85 -1.84	40.53 2.91 -0.82	43.71 2.40 0.00	56.75 2.29 0.00	70.25 1.53 0.89	70.89 1.52 0.00	53.07 1.50 0.00	44.19 1.53 0.00	40.69 2.30 0.00	36.99 2.19 -0.10



NYPA_GOWANUS____GT5 24156	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NYPA_GOWANUS____GT6 24157	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.57 1.81 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.36 2.76 0.00	40.55 2.76 -0.01	39.60 2.79 -0.02	38.57 2.92 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.80 2.47 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.73 3.27 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.69 1.87 -0.11
NYPA_HARLEM__RVR__GT1 24160	37.64 1.96 0.00	35.27 1.71 -0.01	34.78 1.56 -0.01	33.61 1.51 -0.01	34.83 1.59 -0.01	36.47 1.70 0.00	45.38 2.16 0.00	54.98 2.86 0.00	50.50 2.90 0.00	40.55 2.76 -0.01	39.59 2.79 -0.01	38.60 2.96 -0.01	38.07 2.88 -0.02	38.53 2.62 -0.01	37.81 2.54 -0.02	39.46 2.65 -0.01	44.05 2.73 -0.01	57.67 3.21 0.01	72.53 2.92 0.01	72.20 2.85 0.01	53.63 2.06 0.01	44.49 1.83 0.00	40.23 1.84 0.00	36.51 1.70 -0.11
NYPA_HARLEM__RVR__GT2 24161	37.64 1.96 0.00	35.27 1.71 -0.01	34.78 1.56 -0.01	33.61 1.51 -0.01	34.83 1.59 -0.01	36.47 1.70 0.00	45.38 2.16 0.00	54.98 2.86 0.00	50.50 2.90 0.00	40.55 2.76 -0.01	39.59 2.79 -0.01	38.60 2.96 -0.01	38.07 2.88 -0.02	38.53 2.62 -0.01	37.81 2.54 -0.02	39.46 2.65 -0.01	44.05 2.73 -0.01	57.67 3.21 0.01	72.53 2.92 0.01	72.20 2.85 0.01	53.63 2.06 0.01	44.49 1.83 0.00	40.23 1.84 0.00	36.51 1.70 -0.11
NYPA_KENT____GT 24152	37.64 1.96 0.00	35.40 1.84 -0.01	34.91 1.69 -0.01	33.74 1.64 -0.01	34.97 1.73 -0.01	36.57 1.81 0.00	45.64 2.42 0.00	55.34 3.23 0.00	50.45 2.86 0.00	40.63 2.84 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.10 2.85 -0.09	38.57 2.66 -0.02	37.88 2.54 -0.09	39.51 2.69 -0.02	44.18 2.85 -0.02	57.68 3.21 0.00	72.96 3.34 0.00	72.63 3.26 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.62 1.80 -0.11
NYPA_POUCH1____GT 24155	37.68 2.00 0.00	35.47 1.91 -0.01	34.98 1.76 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.54 1.77 0.00	45.38 2.16 0.00	55.03 2.92 0.00	50.12 2.52 0.00	40.32 2.53 0.00	39.42 2.61 -0.02	38.43 2.78 -0.02	37.85 2.60 -0.08	38.39 2.48 -0.02	37.59 2.26 -0.08	39.32 2.50 -0.02	43.98 2.65 -0.02	57.51 3.05 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.74 2.17 0.00	44.49 1.83 0.00	40.19 1.80 0.00	36.65 1.84 -0.11
NYPA_VERNON____GT2 24162	37.57 1.89 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.54 1.77 0.00	45.68 2.46 0.00	55.40 3.29 0.00	50.55 2.95 0.00	40.71 2.91 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.17 2.92 -0.09	38.61 2.69 -0.02	37.95 2.61 -0.09	39.51 2.69 -0.02	44.18 2.85 -0.02	57.73 3.27 0.00	73.03 3.41 0.00	72.69 3.33 0.00	54.00 2.42 0.00	44.71 2.05 0.00	40.31 1.92 0.00	36.58 1.77 -0.11
NYPA_VERNON____GT3 24163	37.57 1.89 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.54 1.77 0.00	45.68 2.46 0.00	55.40 3.29 0.00	50.55 2.95 0.00	40.71 2.91 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.17 2.92 -0.09	38.61 2.69 -0.02	37.95 2.61 -0.09	39.51 2.69 -0.02	44.18 2.85 -0.02	57.73 3.27 0.00	73.03 3.41 0.00	72.69 3.33 0.00	54.00 2.42 0.00	44.71 2.05 0.00	40.31 1.92 0.00	36.58 1.77 -0.11
NYPA__ASTORIA_CC1 323568	37.57 1.89 0.00	35.34 1.78 -0.01	34.84 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.54 1.77 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.45 2.86 0.00	40.67 2.87 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.91 2.57 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.68 3.21 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.27 1.88 0.00	36.58 1.77 -0.11
NYPA__ASTORIA_CC2 323569	37.57 1.89 0.00	35.34 1.78 -0.01	34.84 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.54 1.77 0.00	45.60 2.38 0.00	55.29 3.18 0.00	50.45 2.86 0.00	40.67 2.87 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.91 2.57 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.68 3.21 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.27 1.88 0.00	36.58 1.77 -0.11
NYPA__HOLTSVILL 23794	37.78 2.10 0.00	35.50 1.95 0.00	34.90 1.69 0.00	33.82 1.73 0.00	35.16 1.93 0.00	37.96 2.40 -0.80	45.68 2.46 0.00	54.04 1.93 0.00	48.93 1.33 0.00	40.70 2.91 0.00	39.59 2.79 -0.01	38.60 2.96 -0.01	38.03 2.85 -0.01	39.29 2.55 -0.84	39.49 2.47 -1.78	40.06 2.47 -0.79	43.30 1.98 0.00	56.04 1.58 0.00	69.33 0.35 0.63	69.85 0.49 0.00	52.45 0.88 0.00	43.85 1.19 0.00	40.42 2.03 0.00	36.75 1.94 -0.10
NYPA____HELLGATE_GT1 24158	37.64 1.96 0.00	35.27 1.71 -0.01	34.78 1.56 -0.01	33.61 1.51 -0.01	34.83 1.59 -0.01	36.47 1.70 0.00	45.47 2.25 0.00	55.08 2.97 0.00	50.60 3.00 0.00	40.63 2.84 -0.01	39.59 2.79 -0.01	38.60 2.96 -0.01	38.20 2.88 -0.14	38.53 2.62 -0.01	37.93 2.54 -0.14	39.46 2.65 -0.01	44.05 2.73 -0.01	57.72 3.27 0.01	72.60 2.99 0.01	72.27 2.91 0.01	53.68 2.12 0.01	44.49 1.83 0.00	40.23 1.84 0.00	36.51 1.70 -0.11
NYPA____HELLGATE_GT2 24159	37.64 1.96 0.00	35.27 1.71 -0.01	34.78 1.56 -0.01	33.61 1.51 -0.01	34.83 1.59 -0.01	36.47 1.70 0.00	45.47 2.25 0.00	55.08 2.97 0.00	50.60 3.00 0.00	40.63 2.84 -0.01	39.59 2.79 -0.01	38.60 2.96 -0.01	38.20 2.88 -0.14	38.53 2.62 -0.01	37.93 2.54 -0.14	39.46 2.65 -0.01	44.05 2.73 -0.01	57.72 3.27 0.01	72.60 2.99 0.01	72.27 2.91 0.01	53.68 2.12 0.01	44.49 1.83 0.00	40.23 1.84 0.00	36.51 1.70 -0.11
NYS_BARGE__HYD 23848	35.64 -0.04 0.00	33.58 0.03 0.00	33.14 -0.07 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.11 0.35 0.00	44.13 0.91 0.00	56.01 -0.78 -4.68	52.46 0.38 -4.48	41.57 0.23 -3.56	40.80 0.55 -3.46	35.81 0.18 0.00	35.38 0.21 0.00	35.65 -0.25 0.00	34.76 -0.49 0.00	35.85 -0.96 0.00	39.66 -1.65 0.00	50.81 -3.65 0.00	65.99 -3.62 0.00	66.04 -3.33 0.00	49.41 -2.16 0.00	41.16 -1.49 0.00	38.27 -0.11 0.00	35.40 0.69 0.00
OAK ORCHARD__HYD 24046	35.75 0.07 0.00	33.65 0.10 0.00	33.21 0.00 0.00	32.12 0.03 0.00	33.20 -0.03 0.00	35.04 0.28 0.00	44.00 0.78 0.00	57.64 -0.31 -5.84	53.43 0.24 -5.59	42.26 0.04 -4.44	41.22 0.11 -4.32	36.06 0.43 0.00	35.59 0.42 0.00	36.05 0.14 0.00	35.18 -0.07 0.00	36.51 -0.30 0.00	40.74 -0.58 0.00	53.10 -1.36 0.00	68.50 -1.12 0.00	68.46 -0.90 0.00	51.00 -0.57 0.00	42.27 -0.38 0.00	38.62 0.23 0.00	35.26 0.55 0.00



OAKDALE___35_KV_LOAD 356122	35.89 0.21 0.00	33.68 0.13 0.00	33.34 0.13 0.00	32.25 0.16 0.00	33.36 0.13 0.00	35.08 0.31 0.00	44.08 0.86 0.00	52.36 1.25 1.00	47.97 1.33 0.96	37.94 0.91 0.76	36.97 0.92 0.74	36.24 0.61 0.00	35.73 0.56 0.00	36.19 0.29 0.00	35.35 0.11 0.00	36.77 -0.04 0.00	41.27 -0.04 0.00	54.25 -0.22 0.00	69.76 0.14 0.00	69.57 0.21 0.00	51.67 0.10 0.00	42.66 0.00 0.00	38.66 0.27 0.00	34.96 0.24 -0.01
OCC_CHEM___DRP 24175	35.68 0.00 0.00	33.55 0.00 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	34.98 0.21 0.00	43.05 -0.17 0.00	55.01 -1.62 -4.51	51.59 -0.33 -4.32	40.91 -0.30 -3.42	39.75 -0.37 -3.33	35.53 -0.11 0.00	35.06 -0.11 0.00	35.36 -0.54 0.00	34.47 -0.78 0.00	35.52 -1.29 0.00	39.25 -2.07 0.00	50.43 -4.03 0.00	64.95 -4.66 0.00	65.00 -4.37 0.00	48.73 -2.84 0.00	40.48 -2.18 0.00	37.93 -0.46 0.00	34.81 0.10 0.00
OH_GEN_PROXY 24063	35.43 -0.25 0.00	33.35 -0.20 0.00	32.91 -0.30 0.00	31.90 -0.19 0.00	32.90 -0.33 0.00	34.91 0.17 0.03	43.90 0.65 -0.03	55.24 -1.36 -4.48	51.61 -0.28 -4.30	40.86 -0.34 -3.41	40.07 -0.04 -3.32	35.71 0.07 0.00	35.24 0.07 0.00	35.54 -0.36 0.00	34.65 -0.60 0.00	35.74 -1.07 0.00	39.58 -1.73 0.00	50.65 -3.81 0.00	65.72 -3.90 0.00	65.69 -3.68 0.00	49.20 -2.37 0.00	40.95 -1.71 0.00	38.08 -0.31 0.00	35.19 0.49 0.00
OLIN_CORP_DRP 24177	35.25 -0.43 0.00	33.21 -0.34 0.00	32.81 -0.40 0.00	31.80 -0.29 0.00	32.80 -0.43 0.00	34.45 -0.31 0.00	42.96 -0.26 0.00	54.72 -1.88 -4.48	51.56 -0.33 -4.29	40.96 -0.23 -3.40	39.84 -0.26 -3.31	35.42 -0.21 0.00	34.96 -0.21 0.00	35.25 -0.65 0.00	34.37 -0.88 0.00	35.41 -1.40 0.00	39.17 -2.15 0.00	50.38 -4.08 0.00	64.95 -4.66 0.00	65.00 -4.37 0.00	48.68 -2.89 0.00	40.40 -2.26 0.00	37.85 -0.54 0.00	34.32 -0.38 0.00
OLIN_CORP_DSASP 323712	35.68 0.00 0.00	33.58 0.03 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	35.22 0.45 0.00	43.65 0.43 0.00	55.27 -1.36 -4.51	51.68 -0.24 -4.32	40.91 -0.30 -3.42	40.16 0.04 -3.33	35.53 -0.11 0.00	35.10 -0.07 0.00	35.36 -0.54 0.00	34.51 -0.74 0.00	35.55 -1.25 0.00	39.29 -2.02 0.00	50.10 -4.36 0.00	65.09 -4.52 0.00	65.00 -4.37 0.00	48.79 -2.79 0.00	40.70 -1.96 0.00	37.93 -0.46 0.00	35.50 0.80 0.00
ONEIDA_HERK_LFGE 323681	36.35 0.68 0.00	34.22 0.67 0.00	33.84 0.63 0.00	32.45 0.35 0.00	33.66 0.43 0.00	35.39 0.63 0.00	44.17 0.95 0.00	53.46 1.35 0.00	48.74 1.14 0.00	38.20 0.42 0.00	37.23 0.44 0.00	35.99 0.36 0.00	35.48 0.32 0.00	36.01 0.11 0.00	35.28 0.04 0.00	36.91 0.11 0.00	41.61 0.29 0.00	55.12 0.66 0.00	70.87 1.25 0.00	70.96 1.60 0.00	52.66 1.08 0.00	43.51 0.85 0.00	39.04 0.65 0.00	35.26 0.55 0.00
ONEIDA___115KV_TB4 55905	36.39 0.71 0.00	34.22 0.67 0.00	33.84 0.63 0.00	32.60 0.51 0.00	33.83 0.60 0.00	35.57 0.80 0.00	44.52 1.30 0.00	53.94 1.82 0.00	49.17 1.57 0.00	38.54 0.76 0.00	37.60 0.81 0.00	36.31 0.68 0.00	35.83 0.67 0.00	36.30 0.39 0.00	35.53 0.28 0.00	37.14 0.33 0.00	41.85 0.54 0.00	55.33 0.87 0.00	71.22 1.60 0.00	71.24 1.87 0.00	52.86 1.29 0.00	43.60 0.94 0.00	39.23 0.84 0.00	35.40 0.69 0.00
ONONDAGA_REF_OCCRA 23987	35.43 -0.25 0.00	33.28 -0.27 0.00	32.91 -0.30 0.00	31.80 -0.29 0.00	32.93 -0.30 0.00	34.56 -0.21 0.00	43.26 0.04 0.00	53.13 0.16 -0.87	48.66 0.24 -0.83	38.52 0.08 -0.66	37.54 0.11 -0.64	35.67 0.04 0.00	35.17 0.00 0.00	35.69 -0.22 0.00	34.93 -0.32 0.00	36.44 -0.37 0.00	40.90 -0.41 0.00	53.86 -0.60 0.00	69.13 -0.49 0.00	68.95 -0.42 0.00	51.21 -0.36 0.00	42.32 -0.34 0.00	38.23 -0.15 0.00	34.53 -0.17 0.00
ONONDAGA___COGEN 23986	35.46 -0.21 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.87 -0.22 0.00	32.96 -0.27 0.00	34.59 -0.17 0.00	43.26 0.04 0.00	55.90 0.16 -3.64	51.32 0.24 -3.48	40.66 0.11 -2.76	39.55 0.07 -2.69	35.67 0.04 0.00	35.17 0.00 0.00	35.69 -0.22 0.00	34.93 -0.32 0.00	36.44 -0.37 0.00	40.90 -0.41 0.00	53.92 -0.54 0.00	69.13 -0.49 0.00	68.95 -0.42 0.00	51.26 -0.31 0.00	42.36 -0.30 0.00	38.23 -0.15 0.00	34.57 -0.14 0.00
ONTARIO___LFGE 23819	36.04 0.36 0.00	33.85 0.30 0.00	33.44 0.23 0.00	32.38 0.29 0.00	33.46 0.23 0.00	35.39 0.63 0.00	44.69 1.47 0.00	57.59 1.46 -4.02	53.02 1.57 -3.85	41.83 0.98 -3.06	40.72 0.95 -2.98	36.31 0.68 0.00	35.76 0.60 0.00	36.15 0.25 0.00	35.32 0.07 0.00	36.73 -0.07 0.00	41.23 -0.08 0.00	54.25 -0.22 0.00	70.24 0.63 0.00	70.13 0.76 0.00	52.03 0.46 0.00	42.96 0.30 0.00	38.96 0.58 0.00	35.47 0.76 0.00
ORANGEVILLE_WT_PWR 323706	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.19 0.42 0.00	44.39 1.17 0.00	55.75 0.41 -3.22	51.87 1.19 -3.09	40.95 0.72 -2.45	40.05 0.88 -2.38	35.89 0.25 0.00	35.38 0.21 0.00	35.61 -0.29 0.00	34.68 -0.57 0.00	35.77 -1.03 0.00	39.79 -1.53 0.00	51.69 -2.78 0.00	67.39 -2.23 0.00	67.35 -2.01 0.00	50.18 -1.39 0.00	41.68 -0.98 0.00	38.46 0.08 0.00	35.40 0.69 0.00
ORANGEVILLE___ESR 323794	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.19 0.42 0.00	44.39 1.17 0.00	55.75 0.41 -3.22	51.87 1.19 -3.09	40.95 0.72 -2.45	40.05 0.88 -2.38	35.89 0.25 0.00	35.38 0.21 0.00	35.61 -0.29 0.00	34.68 -0.57 0.00	35.77 -1.03 0.00	39.79 -1.53 0.00	51.69 -2.78 0.00	67.39 -2.23 0.00	67.35 -2.01 0.00	50.18 -1.39 0.00	41.68 -0.98 0.00	38.46 0.08 0.00	35.40 0.69 0.00
OSWEGATCHIE___HYD 24044	36.39 0.71 0.00	34.29 0.74 0.00	33.84 0.63 0.00	32.41 0.32 0.00	33.63 0.40 0.00	35.36 0.59 0.00	43.52 0.30 0.00	54.27 0.47 -1.69	49.56 0.34 -1.62	38.92 -0.15 -1.29	37.89 -0.15 -1.25	35.46 -0.18 0.00	34.92 -0.24 0.00	35.65 -0.25 0.00	35.04 -0.21 0.00	36.73 -0.07 0.00	41.40 0.08 0.00	54.90 0.43 0.00	70.46 0.84 0.00	70.75 1.39 0.00	52.60 1.03 0.00	43.64 0.98 0.00	39.12 0.73 0.00	35.26 0.55 0.00
OSWEGO___5 23606	34.93 -0.75 0.00	32.84 -0.71 0.00	32.48 -0.73 0.00	31.42 -0.68 0.00	32.50 -0.73 0.00	34.11 -0.66 0.00	42.57 -0.65 0.00	68.12 -0.78 -16.78	63.07 -0.62 -16.09	49.98 -0.57 -12.76	48.69 -0.52 -12.42	35.06 -0.57 0.00	34.57 -0.60 0.00	35.15 -0.76 0.00	34.44 -0.81 0.00	35.92 -0.88 0.00	40.28 -1.03 0.00	53.05 -1.42 0.00	68.02 -1.60 0.00	67.77 -1.59 0.00	50.39 -1.18 0.00	41.68 -0.98 0.00	37.66 -0.73 0.00	34.08 -0.62 0.00
OSWEGO___6 23613	34.93 -0.75 0.00	32.84 -0.71 0.00	32.48 -0.73 0.00	31.42 -0.68 0.00	32.50 -0.73 0.00	34.11 -0.66 0.00	42.57 -0.65 0.00	68.12 -0.78 -16.78	63.07 -0.62 -16.09	49.98 -0.57 -12.76	48.69 -0.52 -12.42	35.06 -0.57 0.00	34.57 -0.60 0.00	35.15 -0.76 0.00	34.44 -0.81 0.00	35.92 -0.88 0.00	40.28 -1.03 0.00	53.05 -1.42 0.00	68.02 -1.60 0.00	67.77 -1.59 0.00	50.39 -1.18 0.00	41.68 -0.98 0.00	37.66 -0.73 0.00	34.08 -0.62 0.00



OUTOKUMPU-AB___DRP 24206	36.00 0.32 0.00	33.89 0.34 0.00	33.48 0.27 0.00	32.48 0.39 0.00	33.46 0.23 0.00	35.29 0.52 0.00	43.87 0.65 0.00	56.17 -0.36 -4.42	52.69 0.86 -4.24	41.75 0.60 -3.36	40.57 0.52 -3.27	36.17 0.53 0.00	35.69 0.53 0.00	35.97 0.07 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	39.95 -1.36 0.00	51.52 -2.94 0.00	66.48 -3.13 0.00	66.59 -2.77 0.00	49.71 -1.86 0.00	41.29 -1.37 0.00	38.58 0.19 0.00	35.12 0.42 0.00
OXBOW___BTM 323836	35.89 0.22 0.00	33.82 0.27 0.00	33.38 0.17 0.00	32.35 0.26 0.00	33.36 0.13 0.00	35.43 0.66 0.00	44.13 0.91 0.00	55.95 -0.62 -4.46	52.30 0.43 -4.28	41.41 0.23 -3.39	40.60 0.51 -3.30	35.92 0.28 0.00	35.45 0.28 0.00	35.76 -0.14 0.00	34.83 -0.42 0.00	35.92 -0.88 0.00	39.70 -1.61 0.00	50.76 -3.71 0.00	65.93 -3.69 0.00	65.97 -3.40 0.00	49.41 -2.16 0.00	41.16 -1.49 0.00	38.31 -0.08 0.00	35.71 1.01 0.00
OXBOW___ 24026	35.89 0.21 0.00	33.79 0.23 0.00	33.38 0.17 0.00	32.35 0.26 0.00	33.36 0.13 0.00	35.18 0.42 0.00	43.52 0.30 0.00	55.69 -0.89 -4.46	52.26 0.38 -4.28	41.41 0.23 -3.39	40.23 0.15 -3.30	35.92 0.29 0.00	35.45 0.28 0.00	35.72 -0.18 0.00	34.83 -0.42 0.00	35.88 -0.92 0.00	39.66 -1.65 0.00	51.09 -3.38 0.00	65.86 -3.76 0.00	65.90 -3.47 0.00	49.30 -2.27 0.00	40.95 -1.71 0.00	38.31 -0.08 0.00	35.05 0.35 0.00
OXY_CHEM_DSASP 323612	35.68 0.00 0.00	33.55 0.00 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	34.98 0.21 0.00	43.05 -0.17 0.00	55.01 -1.62 -4.51	51.59 -0.33 -4.32	40.91 -0.30 -3.42	39.75 -0.37 -3.33	35.53 -0.11 0.00	35.06 -0.11 0.00	35.36 -0.54 0.00	34.47 -0.78 0.00	35.52 -1.29 0.00	39.25 -2.07 0.00	50.43 -4.03 0.00	64.95 -4.66 0.00	65.00 -4.37 0.00	48.73 -2.84 0.00	40.48 -2.18 0.00	37.93 -0.46 0.00	34.81 0.10 0.00
OZONE_PARK_ESR 323760	37.64 1.96 0.00	35.40 1.85 0.00	34.90 1.69 0.00	33.70 1.60 0.00	34.92 1.69 0.00	36.71 1.95 0.00	46.25 3.03 0.00	56.12 4.01 0.00	51.02 3.43 0.00	40.93 3.14 -0.01	40.04 3.24 -0.01	38.86 3.21 -0.01	38.40 3.16 -0.07	38.82 2.91 -0.01	38.14 2.82 -0.07	39.72 2.91 -0.01	44.47 3.14 -0.01	58.00 3.54 0.00	73.86 4.25 0.00	73.53 4.16 0.00	54.51 2.94 0.00	45.05 2.39 0.00	40.50 2.11 0.00	36.78 1.98 -0.10
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	35.68 0.00 0.00	33.55 0.00 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	34.98 0.21 0.00	43.05 -0.17 0.00	55.01 -1.62 -4.51	51.59 -0.33 -4.32	40.91 -0.30 -3.42	39.75 -0.37 -3.33	35.53 -0.11 0.00	35.06 -0.11 0.00	35.36 -0.54 0.00	34.47 -0.78 0.00	35.52 -1.29 0.00	39.25 -2.07 0.00	50.43 -4.03 0.00	64.95 -4.66 0.00	65.00 -4.37 0.00	48.73 -2.84 0.00	40.48 -2.18 0.00	37.93 -0.46 0.00	34.81 0.10 0.00
PACKARD___115KV_DUPONT_184 80571	35.68 0.00 0.00	33.55 0.00 0.00	33.18 -0.03 0.00	32.16 0.06 0.00	33.16 -0.07 0.00	34.98 0.21 0.00	43.05 -0.17 0.00	55.01 -1.62 -4.51	51.59 -0.33 -4.32	40.91 -0.30 -3.42	39.75 -0.37 -3.33	35.53 -0.11 0.00	35.06 -0.11 0.00	35.36 -0.54 0.00	34.47 -0.78 0.00	35.52 -1.29 0.00	39.25 -2.07 0.00	50.43 -4.03 0.00	64.95 -4.66 0.00	65.00 -4.37 0.00	48.73 -2.84 0.00	40.48 -2.18 0.00	37.93 -0.46 0.00	34.81 0.10 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	37.68 2.00 0.00	35.34 1.78 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.64 1.88 0.00	45.73 2.51 0.00	55.76 3.65 0.00	50.55 2.95 0.00	40.52 2.72 -0.01	39.56 2.76 -0.02	38.47 2.82 -0.02	37.89 2.71 -0.01	38.39 2.48 -0.02	37.66 2.40 -0.01	39.29 2.47 -0.02	43.89 2.56 -0.02	57.13 2.67 0.00	72.68 3.06 0.00	72.35 2.98 0.00	53.69 2.11 0.00	44.49 1.83 0.00	40.23 1.84 0.00	36.65 1.84 -0.11
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	38.03 2.35 0.00	35.71 2.15 -0.01	35.18 1.96 -0.01	33.99 1.89 -0.01	35.23 1.99 -0.01	36.99 2.23 0.00	46.16 2.94 0.00	56.28 4.17 0.00	51.07 3.47 0.00	40.90 3.10 -0.01	39.89 3.09 -0.02	38.75 3.10 -0.02	38.20 3.02 -0.01	38.72 2.80 -0.02	37.94 2.68 -0.01	39.58 2.76 -0.02	44.26 2.93 -0.02	57.62 3.16 0.00	73.31 3.69 0.00	72.97 3.61 0.00	54.15 2.58 0.00	44.88 2.22 0.00	40.61 2.23 0.00	36.97 2.15 -0.11
PATROON___115KV_TB1 80586	36.04 0.36 0.00	33.92 0.37 0.00	33.61 0.40 0.00	32.41 0.32 0.00	33.56 0.33 0.00	35.01 0.24 0.00	44.00 0.78 0.00	53.26 1.15 0.00	48.41 0.81 0.00	38.62 0.83 0.00	37.63 0.85 0.00	36.45 0.82 0.00	36.01 0.84 0.00	36.44 0.54 0.00	35.81 0.56 0.00	37.43 0.63 0.00	41.93 0.62 0.00	55.39 0.93 0.00	70.80 1.18 0.00	70.41 1.04 0.00	52.34 0.77 0.00	43.26 0.60 0.00	38.69 0.31 0.00	35.04 0.38 0.04
PATTRSNVILLE___SOLAR 323815	36.28 0.61 0.00	34.12 0.57 0.00	33.77 0.56 0.00	32.67 0.58 0.00	33.86 0.63 0.00	35.43 0.66 0.00	44.47 1.25 0.00	53.67 1.56 0.00	48.45 0.86 0.00	38.20 0.42 0.00	36.97 0.18 0.00	35.81 0.18 0.00	35.27 0.11 0.00	35.79 -0.11 0.00	35.11 -0.14 0.00	36.84 0.04 0.00	41.48 0.17 0.00	55.28 0.82 0.00	71.08 1.46 0.00	70.82 1.46 0.00	52.66 1.08 0.00	43.56 0.90 0.00	39.04 0.65 0.00	35.16 0.49 0.03
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	35.43 -0.25 0.00	33.28 -0.27 0.00	32.91 -0.30 0.00	31.90 -0.19 0.00	32.90 -0.33 0.00	34.80 0.03 0.00	43.78 0.56 0.00	57.65 1.62 -3.93	53.88 2.52 -3.76	42.62 1.85 -2.98	41.42 1.73 -2.90	35.88 0.25 0.00	35.41 0.25 0.00	35.69 -0.22 0.00	34.69 -0.56 0.00	35.77 -1.03 0.00	39.74 -1.57 0.00	51.58 -2.89 0.00	66.76 -2.85 0.00	66.80 -2.57 0.00	49.61 -1.96 0.00	41.12 -1.54 0.00	38.16 -0.23 0.00	34.57 -0.14 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	37.28 1.61 0.00	35.03 1.48 0.00	34.57 1.36 0.00	33.41 1.32 0.00	34.63 1.40 0.00	36.30 1.53 0.00	45.77 2.55 0.00	55.39 3.28 0.00	50.31 2.71 0.00	40.09 2.31 0.00	39.10 2.32 0.00	38.02 2.39 0.00	37.49 2.32 0.00	37.95 2.05 0.00	37.29 2.04 0.00	38.94 2.13 0.00	43.67 2.35 0.00	57.24 2.78 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.99 2.42 0.00	44.66 2.00 0.00	40.04 1.65 0.00	36.33 1.53 -0.10
PEEKSKILL___ 23653	37.07 1.39 0.00	34.82 1.27 0.00	34.37 1.16 0.00	33.25 1.15 0.00	34.46 1.23 0.00	36.12 1.35 0.00	45.42 2.20 0.00	55.13 3.02 0.00	50.12 2.52 0.00	40.13 2.34 0.00	39.14 2.36 0.00	38.09 2.46 0.00	37.59 2.42 0.00	38.02 2.12 0.00	37.33 2.08 0.00	38.94 2.13 0.00	43.63 2.31 0.00	57.19 2.72 0.00	72.61 2.99 0.00	72.35 2.98 0.00	53.74 2.17 0.00	44.41 1.75 0.00	39.88 1.50 0.00	36.08 1.28 -0.09
PGE MADISON___WINDPWR 24146	37.46 1.78 0.00	35.29 1.74 0.00	34.87 1.66 0.00	33.60 1.51 0.00	34.86 1.63 0.00	36.85 2.09 0.00	46.42 3.20 0.00	56.44 4.33 0.00	51.45 3.86 0.00	39.64 1.85 0.00	38.59 1.80 0.00	37.06 1.43 0.00	36.43 1.27 0.00	36.51 0.61 0.00	35.64 0.39 0.00	37.32 0.52 0.00	42.31 0.99 0.00	56.53 2.07 0.00	73.59 3.97 0.00	73.87 4.51 0.00	54.61 3.04 0.00	44.92 2.26 0.00	40.42 2.03 0.00	36.45 1.74 -0.01



PIERCEFIELD___HYD 23852	36.39 0.71 0.00	34.32 0.77 0.00	33.87 0.66 0.00	32.57 0.48 0.00	33.76 0.53 0.00	35.50 0.73 0.00	43.26 0.04 0.00	53.09 0.00 -0.98	48.58 0.05 -0.94	38.42 -0.11 -0.74	37.40 -0.11 -0.72	35.49 -0.14 0.00	34.99 -0.18 0.00	35.87 -0.04 0.00	35.39 0.14 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.28 0.82 0.00	70.52 0.91 0.00	70.54 1.18 0.00	52.65 1.08 0.00	43.77 1.11 0.00	39.19 0.81 0.00	35.37 0.66 0.00
PINELAWN_CC_1 323563	38.00 2.32 0.00	35.76 2.21 0.00	35.14 1.93 0.00	34.02 1.93 0.00	35.36 2.13 0.00	38.07 2.50 -0.80	46.12 2.90 0.00	54.82 2.71 0.00	49.59 2.00 0.00	41.07 3.29 0.00	39.96 3.16 -0.01	38.92 3.28 -0.01	38.38 3.20 -0.02	39.80 2.94 -0.95	40.13 2.85 -2.02	40.61 2.91 -0.90	43.46 2.15 0.00	56.20 1.74 0.00	69.51 0.84 0.94	70.26 0.90 0.00	52.76 1.19 0.00	43.94 1.28 0.00	40.69 2.30 0.00	36.96 2.15 -0.10
PJM_GEN_HTTP_PROXY 323702	37.36 1.68 0.00	35.13 1.58 0.00	34.64 1.43 0.00	33.47 1.38 0.00	34.69 1.46 0.00	36.34 1.60 0.03	45.76 2.51 -0.03	55.55 3.44 0.00	50.60 3.00 0.00	40.59 2.80 -0.01	39.63 2.83 -0.01	38.57 2.92 -0.01	38.11 2.88 -0.06	38.50 2.59 -0.01	37.84 2.54 -0.06	39.39 2.58 -0.01	44.14 2.81 -0.01	57.68 3.21 0.00	73.10 3.48 0.00	72.76 3.40 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.37 1.56 -0.10
PJM_GEN_KEystone 24065	36.11 0.43 0.00	33.92 0.37 0.00	33.51 0.30 0.00	32.41 0.32 0.00	33.53 0.30 0.00	32.37 0.63 3.02	47.71 1.47 -3.02	54.77 1.72 -0.94	50.26 1.76 -0.90	39.94 1.44 -0.71	39.06 1.58 -0.70	36.92 1.28 0.00	36.44 1.26 -0.01	36.80 0.90 0.00	35.96 0.70 -0.01	37.32 0.51 0.00	41.73 0.41 0.00	54.41 -0.05 0.00	69.97 0.35 0.00	71.65 0.42 -1.87	49.86 0.16 1.87	42.83 0.17 0.00	38.85 0.46 0.00	35.38 0.63 -0.05
PJM_GEN_NEPTUNE_PROXY 323594	37.82 2.14 0.00	35.60 2.05 0.00	35.00 1.79 0.00	33.89 1.80 0.00	35.19 1.96 0.00	37.76 2.23 -0.77	45.84 2.59 -0.03	54.66 2.55 0.00	49.55 1.95 0.00	40.92 3.13 0.00	39.85 3.05 -0.01	38.78 3.14 -0.01	38.27 3.10 -0.01	39.45 2.76 -0.78	39.59 2.68 -1.67	40.23 2.69 -0.74	43.71 2.40 0.00	56.86 2.39 0.00	71.32 1.74 0.04	71.17 1.80 0.00	53.17 1.60 0.00	44.19 1.53 0.00	40.46 2.07 0.00	36.75 1.94 -0.10
PJM_GEN_VFT_PROXY 323633	37.18 1.50 0.00	34.99 1.44 0.00	34.47 1.26 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.20 1.46 0.03	45.63 2.38 -0.03	55.45 3.34 0.00	50.45 2.86 0.00	40.52 2.72 -0.01	39.56 2.76 -0.01	38.50 2.85 -0.01	38.05 2.81 -0.07	38.39 2.48 -0.01	37.83 2.50 -0.07	39.28 2.47 -0.01	44.01 2.68 -0.01	57.51 3.05 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.89 2.32 0.00	44.53 1.87 0.00	40.04 1.65 0.00	36.23 1.42 -0.10
PLATSBURG_115KV_PMLD1 355749	35.82 0.14 0.00	33.82 0.27 0.00	33.48 0.27 0.00	32.41 0.32 0.00	33.60 0.37 0.00	35.29 0.52 0.00	43.31 0.09 0.00	51.49 -0.63 0.00	47.26 -0.33 0.00	37.86 0.08 0.00	36.79 0.00 0.00	35.56 -0.07 0.00	34.96 -0.21 0.00	35.79 -0.11 0.00	35.28 0.04 0.00	36.95 0.15 0.00	41.60 0.29 0.00	54.79 0.33 0.00	70.24 0.63 0.00	70.06 0.69 0.00	51.93 0.36 0.00	43.34 0.68 0.00	38.92 0.54 0.00	35.16 0.45 0.00
PLEASANTVLY___LBMP 24000	36.82 1.14 0.00	34.59 1.04 0.00	34.17 0.96 0.00	33.05 0.96 0.00	34.23 1.00 0.00	35.91 1.15 0.00	45.16 1.94 0.00	54.66 2.55 0.00	49.64 2.05 0.00	39.75 1.96 0.00	38.81 2.02 0.00	37.70 2.07 0.00	37.17 2.00 0.00	37.66 1.76 0.00	36.94 1.69 0.00	38.57 1.77 0.00	43.22 1.90 0.00	56.59 2.12 0.00	72.05 2.44 0.00	71.72 2.36 0.00	53.27 1.70 0.00	44.07 1.41 0.00	39.58 1.19 0.00	35.86 1.11 -0.05
PLSNTVLE_13_KV_13.8KVDIST 80602	37.11 1.43 0.00	34.89 1.34 0.00	34.44 1.23 0.00	33.31 1.22 0.00	34.49 1.26 0.00	36.23 1.46 0.00	45.55 2.33 0.00	55.19 3.07 0.00	50.12 2.52 0.00	40.21 2.42 0.00	39.29 2.50 0.00	38.16 2.53 0.00	37.62 2.46 0.00	38.09 2.19 0.00	37.36 2.11 0.00	38.97 2.17 0.00	43.67 2.35 0.00	57.08 2.61 0.00	72.75 3.13 0.00	72.35 2.98 0.00	53.74 2.17 0.00	44.45 1.79 0.00	39.92 1.54 0.00	36.28 1.46 -0.12
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	37.11 1.43 0.00	34.89 1.34 0.00	34.44 1.23 0.00	33.31 1.22 0.00	34.49 1.26 0.00	36.23 1.46 0.00	45.55 2.33 0.00	55.19 3.07 0.00	50.12 2.52 0.00	40.21 2.42 0.00	39.29 2.50 0.00	38.16 2.53 0.00	37.62 2.46 0.00	38.09 2.19 0.00	37.36 2.11 0.00	38.97 2.17 0.00	43.67 2.35 0.00	57.08 2.61 0.00	72.75 3.13 0.00	72.35 2.98 0.00	53.74 2.17 0.00	44.45 1.79 0.00	39.92 1.54 0.00	36.28 1.46 -0.12
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	37.00 1.32 0.00	34.79 1.24 0.00	34.34 1.13 0.00	33.21 1.12 0.00	34.43 1.20 0.00	36.05 1.29 0.00	45.38 2.16 0.00	54.98 2.87 0.00	49.93 2.33 0.00	39.87 2.08 0.00	38.88 2.10 0.00	37.77 2.14 0.00	37.24 2.07 0.00	37.73 1.83 0.00	37.05 1.80 0.00	38.64 1.84 0.00	43.38 2.07 0.00	56.91 2.45 0.00	72.61 2.99 0.00	72.28 2.91 0.00	53.69 2.11 0.00	44.37 1.71 0.00	39.77 1.38 0.00	36.03 1.28 -0.04
POLETTI____ 23519	22.43 1.61 14.86	23.28 1.38 11.64	22.43 1.20 11.97	22.43 1.16 10.82	22.43 1.23 12.03	22.62 1.46 13.61	25.62 1.94 19.54	55.92 3.80 0.00	50.69 3.09 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.13 2.88 -0.08	38.57 2.66 -0.02	37.90 2.57 -0.08	39.47 2.65 -0.02	44.06 2.73 -0.02	39.32 2.12 17.27	57.10 2.30 14.81	56.70 2.22 14.88	37.97 1.55 15.15	29.20 1.37 14.83	30.72 1.42 9.09	28.35 1.39 7.74
POMONA___ESR 323819	37.11 1.43 0.00	34.86 1.31 0.00	34.40 1.19 0.00	33.25 1.15 0.00	34.46 1.23 0.00	36.16 1.39 0.00	45.55 2.33 0.00	55.29 3.18 0.00	50.26 2.66 0.00	40.21 2.42 0.00	39.21 2.43 0.00	38.17 2.53 0.00	37.67 2.50 0.00	38.09 2.19 0.00	37.37 2.11 0.00	38.94 2.13 0.00	43.71 2.40 0.00	57.24 2.78 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.84 2.27 0.00	44.49 1.83 0.00	39.96 1.57 0.00	36.11 1.32 -0.08
PORT_JEFF_3 23555	37.78 2.10 0.00	35.53 1.98 0.00	34.90 1.69 0.00	33.82 1.73 0.00	35.16 1.93 0.00	37.96 2.40 -0.80	45.77 2.55 0.00	53.93 1.82 0.00	48.88 1.29 0.00	40.74 2.95 0.00	39.63 2.83 -0.01	38.64 2.99 -0.01	38.06 2.88 -0.01	39.36 2.62 -0.84	39.53 2.50 -1.78	40.10 2.50 -0.79	43.30 1.98 0.00	55.93 1.47 0.00	68.94 0.00 0.68	69.50 0.14 0.00	52.34 0.77 0.00	43.90 1.24 0.00	40.46 2.07 0.00	36.75 1.94 -0.10
PORT_JEFF_4 23616	37.78 2.10 0.00	35.53 1.98 0.00	34.90 1.69 0.00	33.82 1.73 0.00	35.16 1.93 0.00	37.96 2.40 -0.80	45.77 2.55 0.00	53.93 1.82 0.00	48.88 1.29 0.00	40.74 2.95 0.00	39.63 2.83 -0.01	38.64 2.99 -0.01	38.06 2.88 -0.01	39.36 2.62 -0.84	39.53 2.50 -1.78	40.10 2.50 -0.79	43.30 1.98 0.00	55.93 1.47 0.00	68.94 0.00 0.68	69.50 0.14 0.00	52.34 0.77 0.00	43.90 1.24 0.00	40.46 2.07 0.00	36.75 1.94 -0.10



PORT_JEFF_IC 23713	37.86 2.18 0.00	35.66 2.11 0.00	34.97 1.76 0.00	33.89 1.80 0.00	35.22 1.99 0.00	38.11 2.54 -0.80	46.16 2.94 0.00	53.88 1.77 0.00	48.98 1.38 0.00	40.77 2.99 0.00	39.81 3.02 -0.01	38.67 3.03 -0.01	38.10 2.92 -0.01	39.44 2.69 -0.84	39.58 2.54 -1.79	40.14 2.54 -0.80	43.21 1.90 0.00	55.93 1.47 0.00	68.71 -0.07 0.83	69.50 0.14 0.00	52.55 0.98 0.00	44.28 1.62 0.00	40.54 2.15 0.00	37.10 2.29 -0.10
PPL PILGRIM_ST_GT1 24216	38.03 2.35 0.00	35.76 2.21 0.00	35.14 1.93 0.00	34.05 1.96 0.00	35.39 2.16 0.00	38.21 2.64 -0.80	46.20 2.98 0.00	54.77 2.66 0.00	49.50 1.91 0.00	41.07 3.29 0.00	39.96 3.16 -0.01	38.96 3.31 -0.01	38.35 3.17 -0.01	39.67 2.91 -0.87	39.94 2.85 -1.84	40.53 2.91 -0.82	43.71 2.40 0.00	56.75 2.29 0.00	70.25 1.53 0.89	70.89 1.52 0.00	53.07 1.50 0.00	44.19 1.53 0.00	40.69 2.30 0.00	36.99 2.19 -0.10
PPL PILGRIM_ST_GT2 24217	38.03 2.35 0.00	35.76 2.21 0.00	35.14 1.93 0.00	34.05 1.96 0.00	35.39 2.16 0.00	38.21 2.64 -0.80	46.20 2.98 0.00	54.77 2.66 0.00	49.50 1.91 0.00	41.07 3.29 0.00	39.96 3.16 -0.01	38.96 3.31 -0.01	38.35 3.17 -0.01	39.67 2.91 -0.87	39.94 2.85 -1.84	40.53 2.91 -0.82	43.71 2.40 0.00	56.75 2.29 0.00	70.25 1.53 0.89	70.89 1.52 0.00	53.07 1.50 0.00	44.19 1.53 0.00	40.69 2.30 0.00	36.99 2.19 -0.10
PPL_SHRM_GT3 24213	37.50 1.82 0.00	35.23 1.68 0.00	34.64 1.43 0.00	33.54 1.45 0.00	34.89 1.66 0.00	37.76 2.19 -0.80	45.47 2.25 0.00	53.73 1.62 0.00	48.55 0.95 0.00	40.36 2.57 0.00	39.26 2.46 -0.01	38.24 2.60 -0.01	37.68 2.50 -0.01	38.97 2.23 -0.84	39.19 2.15 -1.79	39.77 2.17 -0.80	43.01 1.69 0.00	55.72 1.25 0.00	68.83 -0.07 0.72	69.50 0.14 0.00	52.14 0.57 0.00	43.60 0.94 0.00	40.12 1.73 0.00	36.44 1.63 -0.10
PPL_SHRM_GT4 24214	37.50 1.82 0.00	35.23 1.68 0.00	34.64 1.43 0.00	33.54 1.45 0.00	34.89 1.66 0.00	37.76 2.19 -0.80	45.47 2.25 0.00	53.73 1.62 0.00	48.55 0.95 0.00	40.36 2.57 0.00	39.26 2.46 -0.01	38.24 2.60 -0.01	37.68 2.50 -0.01	38.97 2.23 -0.84	39.19 2.15 -1.79	39.77 2.17 -0.80	43.01 1.69 0.00	55.72 1.25 0.00	68.83 -0.07 0.72	69.50 0.14 0.00	52.14 0.57 0.00	43.60 0.94 0.00	40.12 1.73 0.00	36.44 1.63 -0.10
PROJECT___ORANGE 1 24174	35.32 -0.36 0.00	33.18 -0.37 0.00	32.81 -0.40 0.00	31.74 -0.35 0.00	32.83 -0.40 0.00	34.45 -0.31 0.00	43.09 -0.13 0.00	53.33 -0.10 -1.32	48.86 0.00 -1.27	38.76 -0.04 -1.01	37.76 0.00 -0.98	35.60 -0.04 0.00	35.10 -0.07 0.00	35.61 -0.29 0.00	34.86 -0.39 0.00	36.33 -0.48 0.00	40.78 -0.54 0.00	53.65 -0.82 0.00	68.78 -0.84 0.00	68.60 -0.76 0.00	51.00 -0.57 0.00	42.15 -0.51 0.00	38.08 -0.31 0.00	34.43 -0.28 0.00
PROJECT___ORANGE 2 24166	35.32 -0.36 0.00	33.18 -0.37 0.00	32.81 -0.40 0.00	31.74 -0.35 0.00	32.83 -0.40 0.00	34.45 -0.31 0.00	43.09 -0.13 0.00	53.33 -0.10 -1.32	48.86 0.00 -1.27	38.76 -0.04 -1.01	37.76 0.00 -0.98	35.60 -0.04 0.00	35.10 -0.07 0.00	35.61 -0.29 0.00	34.86 -0.39 0.00	36.33 -0.48 0.00	40.78 -0.54 0.00	53.65 -0.82 0.00	68.78 -0.84 0.00	68.60 -0.76 0.00	51.00 -0.57 0.00	42.15 -0.51 0.00	38.08 -0.31 0.00	34.43 -0.28 0.00
PUCKETT___SOLAR 323809	36.28 0.61 0.00	34.09 0.54 0.00	33.74 0.53 0.00	32.60 0.51 0.00	33.76 0.53 0.00	35.57 0.80 0.00	44.82 1.60 0.00	53.12 2.09 1.08	48.52 1.95 1.03	38.18 1.21 0.82	37.16 1.18 0.80	36.42 0.78 0.00	35.87 0.70 0.00	36.22 0.32 0.00	35.39 0.14 0.00	36.88 0.07 0.00	41.52 0.21 0.00	54.85 0.38 0.00	70.73 1.11 0.00	70.68 1.31 0.00	52.45 0.88 0.00	43.30 0.64 0.00	39.12 0.73 0.00	35.52 0.80 -0.01
PYRITES___HYD 24023	36.75 1.07 0.00	34.66 1.11 0.00	34.21 1.00 0.00	32.89 0.80 0.00	34.13 0.90 0.00	35.91 1.15 0.00	43.78 0.56 0.00	53.63 0.63 -0.89	48.97 0.52 -0.85	38.46 0.00 -0.68	37.45 0.00 -0.66	35.60 -0.04 0.00	35.10 -0.07 0.00	36.01 0.11 0.00	35.57 0.32 0.00	37.32 0.52 0.00	42.10 0.78 0.00	55.93 1.47 0.00	71.64 2.02 0.00	71.79 2.43 0.00	53.38 1.80 0.00	44.24 1.58 0.00	39.62 1.23 0.00	35.75 1.04 0.00
QUAKERRD_115KV_BK1 80622	34.86 -0.82 0.00	32.78 -0.77 0.00	32.35 -0.86 0.00	31.32 -0.77 0.00	32.37 -0.86 0.00	34.04 -0.73 0.00	42.57 -0.65 0.00	56.42 -1.56 -5.87	52.27 -0.95 -5.63	41.38 -0.87 -4.46	40.21 -0.92 -4.34	35.14 -0.50 0.00	34.67 -0.49 0.00	35.11 -0.79 0.00	34.30 -0.95 0.00	35.63 -1.18 0.00	39.87 -1.45 0.00	52.23 -2.23 0.00	67.11 -2.51 0.00	67.08 -2.29 0.00	49.92 -1.65 0.00	41.25 -1.41 0.00	37.62 -0.77 0.00	34.01 -0.69 0.00
QUENSBRY_115KV_TB8 356137	36.50 0.82 0.00	34.32 0.77 0.00	33.97 0.76 0.00	32.93 0.83 0.00	34.06 0.83 0.00	35.60 0.83 0.00	44.86 1.64 0.00	54.09 1.98 0.00	48.98 1.38 0.00	38.73 0.94 0.00	37.41 0.63 0.00	36.28 0.64 0.00	35.69 0.53 0.00	36.22 0.32 0.00	35.43 0.18 0.00	37.28 0.48 0.00	41.93 0.62 0.00	55.82 1.36 0.00	71.78 2.16 0.00	71.45 2.08 0.00	53.07 1.50 0.00	43.77 1.11 0.00	39.12 0.73 0.00	35.29 0.62 0.04
RAMAPO___LBMP 323565	37.00 1.32 0.00	34.76 1.21 0.00	34.31 1.10 0.00	33.18 1.09 0.00	34.39 1.16 0.00	36.12 1.36 0.00	45.55 2.33 0.00	55.13 3.02 0.00	50.12 2.52 0.00	40.06 2.27 0.00	39.18 2.39 0.00	38.02 2.39 0.00	37.52 2.36 0.00	37.98 2.08 0.00	37.23 1.97 0.00	38.79 1.99 0.00	43.50 2.19 0.00	56.97 2.51 0.00	72.68 3.06 0.00	72.42 3.05 0.00	53.63 2.06 0.00	44.37 1.71 0.00	39.81 1.42 0.00	36.11 1.32 -0.08
RANKINE____ 23646	35.79 0.11 0.00	33.68 0.13 0.00	33.28 0.07 0.00	32.28 0.19 0.00	33.26 0.03 0.00	35.15 0.38 0.00	44.04 0.82 0.00	56.54 0.36 -4.06	52.91 1.43 -3.89	41.89 1.02 -3.08	40.70 0.92 -3.00	36.20 0.57 0.00	35.73 0.56 0.00	36.01 0.11 0.00	35.04 -0.21 0.00	36.10 -0.70 0.00	40.03 -1.28 0.00	51.85 -2.61 0.00	67.04 -2.58 0.00	67.08 -2.29 0.00	49.97 -1.60 0.00	41.42 -1.24 0.00	38.58 0.19 0.00	34.95 0.24 0.00
RAVENSWOOD_GT2_1 24244	37.39 1.71 0.00	35.19 1.64 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.73 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.60 3.00 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.10 2.85 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.54 1.74 -0.10
RAVENSWOOD_GT2_2 24245	37.39 1.71 0.00	35.19 1.64 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.73 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.60 3.00 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.10 2.85 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.54 1.74 -0.10



RAVENSWOOD_GT2_3 24246	37.43 1.75 0.00	35.19 1.64 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.64 3.05 0.00	40.67 2.87 -0.01	39.75 2.94 -0.02	38.61 2.96 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.43 2.61 -0.02	44.14 2.81 -0.02	57.51 3.05 0.00	73.24 3.62 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.23 1.84 0.00	36.54 1.74 -0.10
RAVENSWOOD_GT2_4 24247	37.43 1.75 0.00	35.19 1.64 0.00	34.70 1.49 0.00	33.54 1.44 0.00	34.76 1.53 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.64 3.05 0.00	40.67 2.87 -0.01	39.75 2.94 -0.02	38.61 2.96 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.43 2.61 -0.02	44.14 2.81 -0.02	57.51 3.05 0.00	73.24 3.62 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.23 1.84 0.00	36.54 1.74 -0.10
RAVENSWOOD_GT3_1 24248	37.39 1.71 0.00	35.19 1.64 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.73 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.60 3.00 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.54 1.74 -0.10
RAVENSWOOD_GT3_2 24249	37.39 1.71 0.00	35.19 1.64 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.73 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.60 3.00 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.54 1.74 -0.10
RAVENSWOOD_GT3_3 24250	37.46 1.78 0.00	35.23 1.68 0.00	34.70 1.49 0.00	33.57 1.48 0.00	34.79 1.56 0.00	36.54 1.77 0.00	45.94 2.72 0.00	55.76 3.65 0.00	50.69 3.09 0.00	40.71 2.91 -0.01	39.78 2.98 -0.02	38.64 2.99 -0.02	38.17 2.92 -0.09	38.57 2.66 -0.02	37.95 2.61 -0.09	39.47 2.65 -0.02	44.18 2.85 -0.02	57.62 3.16 0.00	73.31 3.69 0.00	72.97 3.61 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
RAVENSWOOD_GT3_4 24251	37.46 1.78 0.00	35.23 1.68 0.00	34.70 1.49 0.00	33.57 1.48 0.00	34.79 1.56 0.00	36.54 1.77 0.00	45.94 2.72 0.00	55.76 3.65 0.00	50.69 3.09 0.00	40.71 2.91 -0.01	39.78 2.98 -0.02	38.64 2.99 -0.02	38.17 2.92 -0.09	38.57 2.66 -0.02	37.95 2.61 -0.09	39.47 2.65 -0.02	44.18 2.85 -0.02	57.62 3.16 0.00	73.31 3.69 0.00	72.97 3.61 0.00	54.15 2.58 0.00	44.75 2.09 0.00	40.27 1.88 0.00	36.58 1.77 -0.10
RAVENSWOOD_GT_1 23729	37.57 1.89 0.00	35.37 1.81 -0.01	34.85 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.68 1.91 0.00	45.86 2.64 0.00	55.66 3.54 0.00	50.55 2.95 0.00	40.67 2.87 -0.01	39.78 2.98 -0.02	38.64 2.99 -0.02	38.14 2.88 -0.09	38.61 2.69 -0.02	37.91 2.57 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.46 3.00 0.00	73.10 3.48 0.00	72.69 3.33 0.00	53.94 2.37 0.00	44.66 2.00 0.00	40.31 1.92 0.00	36.72 1.91 -0.11
RAVENSWOOD_GT_10 24258	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.72 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.60 3.00 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.24 3.62 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.54 1.74 -0.10
RAVENSWOOD_GT_11 24259	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.72 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.60 3.00 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.24 3.62 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.54 1.74 -0.10
RAVENSWOOD_GT_4 24252	37.36 1.68 0.00	35.16 1.61 0.01	34.63 1.43 0.01	33.47 1.38 0.01	34.69 1.46 0.01	36.47 1.70 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.64 3.05 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.57 3.10 0.00	73.24 3.62 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.50 1.70 -0.10
RAVENSWOOD_GT_5 24254	37.36 1.68 0.00	35.16 1.61 0.01	34.63 1.43 0.01	33.47 1.38 0.01	34.69 1.46 0.01	36.47 1.70 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.64 3.05 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.57 3.10 0.00	73.24 3.62 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.50 1.70 -0.10
RAVENSWOOD_GT_6 24253	37.36 1.68 0.00	35.16 1.61 0.01	34.63 1.43 0.01	33.47 1.38 0.01	34.69 1.46 0.01	36.47 1.70 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.64 3.05 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.57 3.10 0.00	73.24 3.62 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.50 1.70 -0.10
RAVENSWOOD_GT_7 24255	37.36 1.68 0.00	35.16 1.61 0.01	34.63 1.43 0.01	33.47 1.38 0.01	34.69 1.46 0.01	36.47 1.70 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.64 3.05 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.57 3.10 0.00	73.24 3.62 0.00	72.90 3.54 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.19 1.80 0.00	36.50 1.70 -0.10
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.72 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.60 3.00 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.24 3.62 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.54 1.74 -0.10
RAVENSWOOD_GT_9 24257	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.72 1.50 0.00	36.51 1.74 0.00	45.90 2.68 0.00	55.66 3.54 0.00	50.60 3.00 0.00	40.63 2.83 -0.01	39.71 2.91 -0.02	38.57 2.92 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.40 2.58 -0.02	44.10 2.77 -0.02	57.51 3.05 0.00	73.24 3.62 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.66 2.00 0.00	40.19 1.80 0.00	36.54 1.74 -0.10



RAVENSWOOD___1 23533	37.57 1.89 0.00	35.34 1.78 -0.01	34.84 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.54 1.77 0.00	45.68 2.46 0.00	55.40 3.29 0.00	50.55 2.95 0.00	40.67 2.87 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.17 2.92 -0.09	38.61 2.69 -0.02	37.95 2.61 -0.09	39.51 2.69 -0.02	44.18 2.85 -0.02	57.73 3.27 0.00	73.03 3.41 0.00	72.63 3.26 0.00	53.94 2.37 0.00	44.71 2.05 0.00	40.31 1.92 0.00	36.58 1.77 -0.11
RAVENSWOOD___2 23534	37.50 1.82 0.00	35.27 1.71 -0.01	34.78 1.56 -0.01	33.61 1.51 -0.01	34.83 1.59 -0.01	36.47 1.70 0.00	45.60 2.38 0.00	55.08 2.97 0.00	50.26 2.66 0.00	40.59 2.80 -0.01	39.64 2.83 -0.02	38.57 2.92 -0.02	38.10 2.85 -0.09	38.54 2.62 -0.02	37.88 2.54 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.35 2.88 0.00	72.54 2.92 0.00	72.21 2.85 0.00	53.64 2.06 0.00	44.62 1.96 0.00	40.23 1.84 0.00	36.51 1.70 -0.11
RAVENSWOOD___3 23535	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.76 1.53 0.00	36.44 1.67 0.00	45.77 2.55 0.00	55.55 3.44 0.00	50.60 3.00 0.00	40.63 2.84 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.14 2.88 -0.09	38.54 2.62 -0.02	37.91 2.57 -0.09	39.43 2.61 -0.02	44.18 2.85 -0.02	57.73 3.27 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.23 1.84 0.00	36.40 1.60 -0.10
RAVENSWOOD___4 23820	37.57 1.89 0.00	35.33 1.78 -0.01	34.84 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.54 1.77 0.00	45.68 2.46 0.00	55.40 3.29 0.00	50.50 2.90 0.00	40.67 2.87 -0.01	39.71 2.91 -0.02	38.64 2.99 -0.02	38.17 2.92 -0.09	38.57 2.66 -0.02	37.91 2.57 -0.09	39.51 2.69 -0.02	44.18 2.85 -0.02	57.68 3.21 0.00	72.96 3.34 0.00	72.63 3.26 0.00	53.94 2.37 0.00	44.66 2.01 0.00	40.31 1.92 0.00	36.58 1.77 -0.11
RCPL_TRUST___DRP 24196	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.73 1.50 0.00	36.47 1.70 0.00	45.90 2.68 0.00	55.71 3.60 0.00	50.64 3.05 0.00	40.67 2.87 -0.01	39.74 2.94 -0.01	38.60 2.96 -0.01	38.14 2.92 -0.06	38.53 2.62 -0.01	37.88 2.57 -0.06	39.43 2.61 -0.01	44.13 2.81 -0.01	57.57 3.10 0.00	73.31 3.69 0.00	72.97 3.61 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.23 1.84 0.00	36.54 1.74 -0.10
RED___ROCHESTER 323720	35.93 0.25 0.00	33.82 0.27 0.00	33.34 0.13 0.00	32.29 0.19 0.00	33.33 0.10 0.00	35.22 0.45 0.00	44.26 1.04 0.00	58.02 0.00 -5.90	53.83 0.57 -5.66	42.58 0.30 -4.49	41.52 0.37 -4.37	36.28 0.64 0.00	35.80 0.63 0.00	36.26 0.36 0.00	35.36 0.11 0.00	36.69 -0.11 0.00	40.98 -0.33 0.00	53.48 -0.98 0.00	68.92 -0.70 0.00	68.88 -0.48 0.00	51.37 -0.21 0.00	42.53 -0.13 0.00	38.81 0.42 0.00	35.44 0.73 0.00
REGAN___SOLAR 323812	36.60 0.93 0.00	34.42 0.87 0.00	34.11 0.90 0.00	32.96 0.87 0.00	34.19 0.96 0.00	35.88 1.11 0.00	45.17 1.95 0.00	54.40 2.29 0.00	48.79 1.19 0.00	37.94 0.15 0.00	36.27 -0.52 0.00	34.99 -0.64 0.00	34.32 -0.84 0.00	34.82 -1.08 0.00	34.19 -1.06 0.00	36.18 -0.63 0.00	41.03 -0.29 0.00	55.66 1.20 0.00	72.05 2.44 0.00	71.86 2.49 0.00	53.33 1.75 0.00	44.11 1.45 0.00	39.42 1.04 0.00	35.48 0.80 0.02
RENSSELAER___COGEN 23796	35.89 0.22 0.00	33.75 0.20 0.00	33.44 0.23 0.00	32.35 0.26 0.00	33.46 0.23 0.00	34.84 0.07 0.00	43.70 0.48 0.00	52.94 0.83 0.00	48.12 0.52 0.00	38.43 0.64 0.00	37.34 0.55 0.00	36.24 0.61 0.00	35.76 0.60 0.00	36.26 0.36 0.00	35.60 0.35 0.00	37.17 0.37 0.00	41.73 0.41 0.00	55.06 0.60 0.00	70.17 0.55 0.00	69.78 0.42 0.00	51.98 0.41 0.00	42.96 0.30 0.00	38.46 0.08 0.00	34.73 0.07 0.04
REPUBLIC_115KV_BARTNBRK 55605	37.75 2.07 0.00	35.53 1.98 0.00	35.17 1.96 0.00	34.08 1.99 0.00	35.29 2.06 0.00	36.92 2.16 0.00	46.63 3.41 0.00	56.12 4.01 0.00	50.69 3.09 0.00	39.83 2.04 0.00	38.33 1.55 0.00	37.13 1.50 0.00	36.47 1.30 0.00	36.98 1.08 0.00	36.06 0.81 0.00	38.13 1.32 0.00	42.97 1.65 0.00	57.68 3.21 0.00	74.56 4.94 0.00	74.36 4.99 0.00	55.08 3.51 0.00	45.35 2.69 0.00	40.42 2.03 0.00	36.43 1.77 0.04
REVERE_CPPR_DRP 24186	36.61 0.93 0.00	34.46 0.91 0.00	34.07 0.86 0.00	32.77 0.67 0.00	33.99 0.76 0.00	35.78 1.01 0.00	44.78 1.56 0.00	54.25 2.14 0.00	49.45 1.86 0.00	38.62 0.83 0.00	37.67 0.88 0.00	36.42 0.78 0.00	35.90 0.74 0.00	36.33 0.43 0.00	35.60 0.35 0.00	37.25 0.44 0.00	42.02 0.70 0.00	55.66 1.20 0.00	71.78 2.16 0.00	71.86 2.50 0.00	53.27 1.70 0.00	43.94 1.28 0.00	39.46 1.07 0.00	35.61 0.90 0.00
REYNLDPA_13_KV_LD 356490	36.11 0.43 0.00	33.99 0.44 0.00	33.58 0.37 0.00	32.41 0.32 0.00	33.56 0.33 0.00	35.19 0.42 0.00	43.09 -0.13 0.00	51.75 -0.36 0.00	47.45 -0.14 0.00	37.67 -0.11 0.00	36.64 -0.15 0.00	35.49 -0.14 0.00	34.99 -0.17 0.00	36.01 0.11 0.00	35.50 0.25 0.00	37.13 0.33 0.00	41.73 0.41 0.00	55.23 0.76 0.00	70.59 0.97 0.00	70.54 1.18 0.00	52.19 0.62 0.00	43.26 0.60 0.00	38.85 0.46 0.00	35.09 0.38 0.00
REYNOLDS_115KV_TB3 80639	36.21 0.54 0.00	34.05 0.50 0.00	33.74 0.53 0.00	32.64 0.55 0.00	33.83 0.60 0.00	35.36 0.59 0.00	44.47 1.25 0.00	53.78 1.67 0.00	48.79 1.19 0.00	38.96 1.17 0.00	37.85 1.07 0.00	36.67 1.03 0.00	36.19 1.02 0.00	36.69 0.79 0.00	36.02 0.78 0.00	37.65 0.85 0.00	42.22 0.91 0.00	55.72 1.25 0.00	71.15 1.53 0.00	70.68 1.32 0.00	52.65 1.08 0.00	43.47 0.81 0.00	38.92 0.54 0.00	35.18 0.52 0.05
RIVERBAY____ 323610	38.03 2.35 0.00	35.71 2.15 -0.01	35.18 1.96 -0.01	33.99 1.89 -0.01	35.23 1.99 -0.01	36.99 2.23 0.00	46.16 2.94 0.00	56.28 4.17 0.00	51.07 3.47 0.00	40.90 3.10 -0.01	39.89 3.09 -0.02	38.75 3.10 -0.02	38.20 3.02 -0.01	38.72 2.80 -0.02	37.94 2.68 -0.01	39.58 2.76 -0.02	44.26 2.93 -0.02	57.62 3.16 0.00	73.31 3.69 0.00	72.97 3.61 0.00	54.15 2.58 0.00	44.88 2.22 0.00	40.61 2.23 0.00	36.97 2.15 -0.11
RIVERSDE_115KV_TB3 55908	36.07 0.39 0.00	33.95 0.40 0.00	33.61 0.40 0.00	32.41 0.32 0.00	33.60 0.37 0.00	35.08 0.31 0.00	44.08 0.86 0.00	53.31 1.20 0.00	48.45 0.86 0.00	38.66 0.87 0.00	37.71 0.92 0.00	36.53 0.89 0.00	36.08 0.91 0.00	36.55 0.65 0.00	35.88 0.63 0.00	37.50 0.70 0.00	42.06 0.74 0.00	55.50 1.03 0.00	70.87 1.25 0.00	70.48 1.11 0.00	52.45 0.88 0.00	43.30 0.64 0.00	38.77 0.38 0.00	35.08 0.42 0.05
ROARING___BROOK_WT_PWR 323790	35.43 -0.25 0.00	33.21 -0.34 0.00	32.88 -0.33 0.00	31.74 -0.35 0.00	32.83 -0.40 0.00	34.31 -0.45 0.00	42.49 -0.73 0.00	51.23 -0.89 0.00	46.83 -0.76 0.00	37.18 -0.61 0.00	36.24 -0.55 0.00	35.14 -0.50 0.00	34.71 -0.46 0.00	35.47 -0.43 0.00	34.86 -0.39 0.00	36.40 -0.40 0.00	40.94 -0.37 0.00	54.08 -0.38 0.00	69.20 -0.42 0.00	68.88 -0.48 0.00	51.06 -0.52 0.00	42.23 -0.43 0.00	37.93 -0.46 0.00	34.25 -0.45 0.00



ROCHESRG_115KV_T4 355643	35.64 -0.04 0.00	33.52 -0.03 0.00	33.08 -0.13 0.00	32.03 -0.06 0.00	33.10 -0.13 0.00	34.84 0.07 0.00	43.52 0.30 0.00	57.41 -0.68 -5.98	53.33 0.00 -5.73	42.18 -0.15 -4.55	40.99 -0.22 -4.43	35.92 0.29 0.00	35.45 0.28 0.00	35.90 0.00 0.00	35.04 -0.21 0.00	36.36 -0.44 0.00	40.57 -0.74 0.00	53.05 -1.42 0.00	68.16 -1.46 0.00	68.12 -1.25 0.00	50.80 -0.77 0.00	42.02 -0.64 0.00	38.46 0.08 0.00	34.78 0.07 0.00
ROCHESTER_9_IC 23652	35.79 0.11 0.00	33.68 0.13 0.00	33.24 0.03 0.00	32.19 0.10 0.00	33.23 0.00 0.00	34.98 0.21 0.00	43.78 0.56 0.00	57.65 -0.36 -5.90	53.54 0.29 -5.66	42.35 0.08 -4.49	41.16 0.00 -4.37	36.13 0.50 0.00	35.62 0.46 0.00	36.08 0.18 0.00	35.21 -0.04 0.00	36.55 -0.26 0.00	40.78 -0.54 0.00	53.37 -1.09 0.00	68.57 -1.04 0.00	68.53 -0.83 0.00	51.06 -0.52 0.00	42.23 -0.43 0.00	38.66 0.27 0.00	34.95 0.24 0.00
ROCKVIEW_13_KV_LD 356306	37.28 1.61 0.00	35.06 1.51 0.00	34.60 1.39 0.00	33.44 1.35 0.00	34.66 1.43 0.00	36.40 1.63 0.00	45.81 2.59 0.00	55.50 3.39 0.00	50.45 2.86 0.00	40.47 2.68 0.00	39.58 2.80 0.00	38.45 2.82 0.00	37.91 2.74 0.00	38.38 2.48 0.00	37.65 2.40 0.00	39.27 2.47 0.00	43.96 2.64 0.00	57.40 2.94 0.00	73.17 3.55 0.00	72.83 3.47 0.00	54.05 2.48 0.00	44.71 2.05 0.00	40.15 1.77 0.00	36.47 1.67 -0.10
ROME____115KV_TB2 80656	36.61 0.93 0.00	34.46 0.91 0.00	34.07 0.86 0.00	32.77 0.67 0.00	33.99 0.76 0.00	35.78 1.01 0.00	44.78 1.56 0.00	54.25 2.14 0.00	49.45 1.86 0.00	38.62 0.83 0.00	37.67 0.88 0.00	36.42 0.78 0.00	35.90 0.74 0.00	36.33 0.43 0.00	35.60 0.35 0.00	37.25 0.44 0.00	42.02 0.70 0.00	55.66 1.20 0.00	71.78 2.16 0.00	71.86 2.50 0.00	53.27 1.70 0.00	43.94 1.28 0.00	39.46 1.07 0.00	35.61 0.90 0.00
ROSETON___1 23587	36.79 1.11 0.00	34.56 1.01 0.00	34.14 0.93 0.00	33.02 0.93 0.00	34.23 1.00 0.00	35.85 1.08 0.00	44.99 1.77 0.00	54.56 2.45 0.00	49.55 1.95 0.00	39.71 1.93 0.00	38.70 1.91 0.00	37.66 2.03 0.00	37.13 1.97 0.00	37.62 1.72 0.00	36.94 1.69 0.00	38.53 1.73 0.00	43.22 1.90 0.00	56.59 2.12 0.00	71.84 2.23 0.00	71.52 2.15 0.00	53.22 1.65 0.00	44.06 1.41 0.00	39.54 1.15 0.00	35.82 0.97 -0.14
ROSETON___2 23588	36.79 1.11 0.00	34.56 1.01 0.00	34.14 0.93 0.00	33.02 0.93 0.00	34.23 1.00 0.00	35.85 1.08 0.00	44.99 1.77 0.00	54.56 2.45 0.00	49.55 1.95 0.00	39.71 1.93 0.00	38.70 1.91 0.00	37.66 2.03 0.00	37.13 1.97 0.00	37.62 1.72 0.00	36.94 1.69 0.00	38.53 1.73 0.00	43.22 1.90 0.00	56.59 2.12 0.00	71.84 2.23 0.00	71.52 2.15 0.00	53.22 1.65 0.00	44.06 1.41 0.00	39.54 1.15 0.00	35.82 0.97 -0.14
ROTRRDAM_115KV_TB3 80664	36.25 0.57 0.00	34.09 0.54 0.00	33.77 0.56 0.00	32.64 0.55 0.00	33.83 0.60 0.00	35.36 0.59 0.00	44.34 1.12 0.00	53.52 1.41 0.00	48.60 1.00 0.00	38.66 0.87 0.00	37.56 0.77 0.00	36.42 0.78 0.00	35.90 0.74 0.00	36.48 0.57 0.00	35.78 0.53 0.00	37.43 0.63 0.00	42.02 0.70 0.00	55.50 1.03 0.00	70.94 1.32 0.00	70.61 1.25 0.00	52.55 0.98 0.00	43.43 0.77 0.00	38.96 0.58 0.00	35.20 0.52 0.03
RUSSELL___1 23602	35.93 0.25 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.28 0.19 0.00	33.33 0.10 0.00	35.11 0.35 0.00	43.95 0.73 0.00	57.86 -0.16 -5.90	53.78 0.52 -5.66	42.54 0.26 -4.49	41.34 0.18 -4.37	36.28 0.64 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.35 0.11 0.00	36.66 -0.15 0.00	40.98 -0.33 0.00	53.65 -0.82 0.00	68.85 -0.77 0.00	68.88 -0.49 0.00	51.31 -0.26 0.00	42.45 -0.21 0.00	38.81 0.42 0.00	35.09 0.38 0.00
RUSSELL___2 23532	35.93 0.25 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.28 0.19 0.00	33.33 0.10 0.00	35.11 0.35 0.00	43.95 0.73 0.00	57.86 -0.16 -5.90	53.78 0.52 -5.66	42.54 0.26 -4.49	41.34 0.18 -4.37	36.28 0.64 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.35 0.11 0.00	36.66 -0.15 0.00	40.98 -0.33 0.00	53.65 -0.82 0.00	68.85 -0.77 0.00	68.88 -0.49 0.00	51.31 -0.26 0.00	42.45 -0.21 0.00	38.81 0.42 0.00	35.09 0.38 0.00
RUSSELL___3 23549	35.93 0.25 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.28 0.19 0.00	33.33 0.10 0.00	35.11 0.35 0.00	43.95 0.73 0.00	57.86 -0.16 -5.90	53.78 0.52 -5.66	42.54 0.26 -4.49	41.34 0.18 -4.37	36.28 0.64 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.35 0.11 0.00	36.66 -0.15 0.00	40.98 -0.33 0.00	53.65 -0.82 0.00	68.85 -0.77 0.00	68.88 -0.49 0.00	51.31 -0.26 0.00	42.45 -0.21 0.00	38.81 0.42 0.00	35.09 0.38 0.00
RUSSELL___4 23556	35.93 0.25 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.28 0.19 0.00	33.33 0.10 0.00	35.11 0.35 0.00	43.95 0.73 0.00	57.86 -0.16 -5.90	53.78 0.52 -5.66	42.54 0.26 -4.49	41.34 0.18 -4.37	36.28 0.64 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.35 0.11 0.00	36.66 -0.15 0.00	40.98 -0.33 0.00	53.65 -0.82 0.00	68.85 -0.77 0.00	68.88 -0.49 0.00	51.31 -0.26 0.00	42.45 -0.21 0.00	38.81 0.42 0.00	35.09 0.38 0.00
RUSSELL___STATION 23914	35.93 0.25 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.28 0.19 0.00	33.33 0.10 0.00	35.11 0.35 0.00	43.95 0.73 0.00	57.86 -0.16 -5.90	53.78 0.52 -5.66	42.54 0.26 -4.49	41.34 0.18 -4.37	36.28 0.64 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.35 0.11 0.00	36.66 -0.15 0.00	40.98 -0.33 0.00	53.65 -0.82 0.00	68.85 -0.77 0.00	68.88 -0.49 0.00	51.31 -0.26 0.00	42.45 -0.21 0.00	38.81 0.42 0.00	35.09 0.38 0.00
S SALMON___HYD 24043	35.57 -0.11 0.00	33.45 -0.10 0.00	33.08 -0.13 0.00	31.87 -0.22 0.00	33.03 -0.20 0.00	34.73 -0.03 0.00	43.22 0.00 0.00	58.73 0.10 -6.52	53.99 0.14 -6.25	42.52 -0.23 -4.95	41.39 -0.22 -4.82	35.35 -0.29 0.00	34.85 -0.32 0.00	35.36 -0.54 0.00	34.65 -0.60 0.00	36.21 -0.59 0.00	40.65 -0.66 0.00	53.65 -0.82 0.00	69.06 -0.56 0.00	69.02 -0.35 0.00	51.26 -0.31 0.00	42.53 -0.13 0.00	38.35 -0.04 0.00	34.67 -0.03 0.00
S.PERRY__115KV_TB1 80734	36.75 1.07 0.00	34.56 1.01 0.00	34.07 0.86 0.00	33.02 0.93 0.00	34.09 0.86 0.00	36.05 1.29 0.00	45.38 2.16 0.00	57.82 1.98 -3.73	53.50 2.33 -3.57	42.02 1.40 -2.83	40.57 1.03 -2.76	36.60 0.96 0.00	36.01 0.84 0.00	36.40 0.50 0.00	35.53 0.28 0.00	36.84 0.04 0.00	39.95 -1.36 0.00	52.72 -1.74 0.00	68.43 -1.18 0.00	68.53 -0.83 0.00	50.95 -0.62 0.00	42.06 -0.60 0.00	39.85 1.46 0.00	35.99 1.28 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	35.71 0.04 0.00	33.58 0.03 0.00	33.21 0.00 0.00	32.19 0.10 0.00	33.20 -0.03 0.00	35.05 0.28 0.00	43.74 0.52 0.00	55.81 -0.68 -4.37	52.31 0.52 -4.19	41.41 0.30 -3.32	40.24 0.22 -3.23	36.03 0.39 0.00	35.55 0.39 0.00	35.87 -0.04 0.00	34.93 -0.32 0.00	35.99 -0.81 0.00	39.87 -1.45 0.00	51.47 -3.00 0.00	66.41 -3.20 0.00	66.45 -2.91 0.00	49.61 -1.96 0.00	41.17 -1.49 0.00	38.43 0.04 0.00	34.88 0.17 0.00



SAWYER___23_KV_LOAD 55526	35.71 0.04 0.00	33.58 0.03 0.00	33.21 0.00 0.00	32.19 0.10 0.00	33.20 -0.03 0.00	35.05 0.28 0.00	43.74 0.52 0.00	55.81 -0.68 -4.37	52.31 0.52 -4.19	41.41 0.30 -3.32	40.24 0.22 -3.23	36.03 0.39 0.00	35.55 0.39 0.00	35.87 -0.04 0.00	34.93 -0.32 0.00	35.99 -0.81 0.00	39.87 -1.45 0.00	51.47 -3.00 0.00	66.41 -3.20 0.00	66.45 -2.91 0.00	49.61 -1.96 0.00	41.17 -1.49 0.00	38.43 0.04 0.00	34.88 0.17 0.00
SELKIRK___I 23801	36.28 0.61 0.00	34.12 0.57 0.00	33.84 0.63 0.00	32.70 0.61 0.00	33.86 0.63 0.00	35.36 0.59 0.00	44.34 1.12 0.00	53.57 1.46 0.00	48.64 1.05 0.00	38.62 0.83 0.00	37.48 0.70 0.00	36.38 0.75 0.00	35.87 0.70 0.00	36.40 0.50 0.00	35.71 0.46 0.00	37.36 0.55 0.00	41.97 0.66 0.00	55.50 1.03 0.00	70.80 1.18 0.00	70.47 1.11 0.00	52.50 0.93 0.00	43.38 0.72 0.00	38.92 0.54 0.00	35.13 0.45 0.02
SELKIRK___II 23799	36.00 0.32 0.00	33.89 0.34 0.00	33.58 0.37 0.00	32.45 0.35 0.00	33.60 0.37 0.00	35.04 0.28 0.00	43.91 0.69 0.00	53.15 1.04 0.00	48.31 0.72 0.00	38.54 0.76 0.00	37.45 0.66 0.00	36.38 0.75 0.00	35.87 0.70 0.00	36.40 0.50 0.00	35.74 0.49 0.00	37.32 0.51 0.00	41.89 0.58 0.00	55.23 0.76 0.00	70.38 0.77 0.00	69.99 0.62 0.00	52.14 0.57 0.00	43.09 0.43 0.00	38.66 0.27 0.00	34.89 0.21 0.03
SENECA OSWGO___HYD 24041	35.11 -0.57 0.00	32.98 -0.57 0.00	32.65 -0.56 0.00	31.55 -0.55 0.00	32.66 -0.57 0.00	34.28 -0.49 0.00	42.79 -0.43 0.00	60.32 -0.52 -8.73	55.58 -0.38 -8.36	44.04 -0.38 -6.63	42.91 -0.33 -6.46	35.24 -0.39 0.00	34.75 -0.42 0.00	35.29 -0.61 0.00	34.58 -0.67 0.00	36.07 -0.74 0.00	40.49 -0.83 0.00	53.26 -1.20 0.00	68.37 -1.25 0.00	68.12 -1.25 0.00	50.69 -0.88 0.00	41.89 -0.77 0.00	37.85 -0.54 0.00	34.29 -0.41 0.00
SENECA___115KV_TB3 355854	35.86 0.18 0.00	33.75 0.20 0.00	33.34 0.13 0.00	32.32 0.23 0.00	33.30 0.07 0.00	35.39 0.63 0.00	44.64 1.42 0.00	56.85 0.68 -4.06	53.06 1.57 -3.89	41.97 1.10 -3.08	41.11 1.32 -3.00	36.28 0.64 0.00	35.80 0.63 0.00	36.08 0.18 0.00	35.11 -0.14 0.00	36.21 -0.59 0.00	40.16 -1.16 0.00	51.63 -2.83 0.00	67.18 -2.44 0.00	67.21 -2.15 0.00	50.13 -1.44 0.00	41.68 -0.98 0.00	38.66 0.27 0.00	35.64 0.94 0.00
SENECA___ENERGY 23797	35.68 0.00 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.03 -0.06 0.00	33.16 -0.07 0.00	34.98 0.21 0.00	44.00 0.78 0.00	56.26 0.73 -3.42	51.73 0.86 -3.28	40.88 0.49 -2.60	39.79 0.48 -2.53	35.92 0.28 0.00	35.41 0.25 0.00	35.83 -0.07 0.00	35.07 -0.18 0.00	36.51 -0.30 0.00	40.98 -0.33 0.00	53.97 -0.49 0.00	69.62 0.00 0.00	69.43 0.07 0.00	51.52 -0.05 0.00	42.53 -0.13 0.00	38.54 0.15 0.00	34.98 0.28 0.00
SHOEMAKER___GT 23640	36.96 1.28 0.00	34.72 1.17 0.00	34.30 1.09 0.00	33.18 1.09 0.00	34.36 1.13 0.00	36.02 1.25 0.00	45.38 2.16 0.00	55.03 2.92 0.00	50.02 2.43 0.00	39.86 2.08 0.00	38.85 2.06 0.00	37.74 2.10 0.00	37.24 2.07 0.00	37.70 1.79 0.00	36.98 1.73 0.00	38.57 1.77 0.00	43.34 2.02 0.00	56.92 2.45 0.00	72.61 2.99 0.00	72.35 2.98 0.00	53.69 2.12 0.00	44.32 1.66 0.00	39.81 1.42 0.00	36.00 1.21 -0.08
SHOEMAKR_138KV_BK 111 55601	36.96 1.28 0.00	34.72 1.17 0.00	34.31 1.10 0.00	33.15 1.06 0.00	34.36 1.13 0.00	36.05 1.29 0.00	45.42 2.20 0.00	55.03 2.92 0.00	49.98 2.38 0.00	39.87 2.08 0.00	38.92 2.13 0.00	37.77 2.14 0.00	37.24 2.07 0.00	37.70 1.80 0.00	36.98 1.73 0.00	38.53 1.73 0.00	43.30 1.98 0.00	56.81 2.34 0.00	72.61 2.99 0.00	72.35 2.98 0.00	53.63 2.06 0.00	44.28 1.62 0.00	39.77 1.38 0.00	36.06 1.28 -0.07
SHOREHAM_IC_1 23715	37.50 1.82 0.00	35.23 1.68 0.00	34.64 1.43 0.00	33.54 1.45 0.00	34.89 1.66 0.00	37.76 2.19 -0.80	45.47 2.25 0.00	53.73 1.62 0.00	48.55 0.95 0.00	40.36 2.57 0.00	39.26 2.46 -0.01	38.24 2.60 -0.01	37.68 2.50 -0.01	38.97 2.23 -0.84	39.19 2.15 -1.79	39.77 2.17 -0.80	43.01 1.69 0.00	55.72 1.25 0.00	68.83 -0.07 0.72	69.50 0.14 0.00	52.14 0.57 0.00	43.60 0.94 0.00	40.12 1.73 0.00	36.44 1.63 -0.10
SHOREHAM_IC_2 23716	37.50 1.82 0.00	35.29 1.74 0.00	34.64 1.43 0.00	33.54 1.44 0.00	34.89 1.66 0.00	37.79 2.23 -0.80	45.86 2.64 0.00	53.62 1.51 0.00	48.55 0.95 0.00	40.28 2.49 0.00	39.37 2.58 -0.01	38.25 2.60 -0.01	37.64 2.46 -0.01	38.97 2.23 -0.84	39.19 2.15 -1.79	39.77 2.17 -0.80	42.84 1.53 0.00	55.55 1.09 0.00	68.83 -0.07 0.72	69.50 0.14 0.00	52.19 0.62 0.00	43.90 1.24 0.00	40.11 1.73 0.00	36.72 1.91 -0.10
SISSONVILLE____ 23735	36.39 0.71 0.00	34.32 0.77 0.00	33.87 0.66 0.00	32.57 0.48 0.00	33.76 0.53 0.00	35.50 0.73 0.00	43.26 0.04 0.00	53.09 0.00 -0.98	48.58 0.05 -0.94	38.42 -0.11 -0.74	37.40 -0.11 -0.72	35.49 -0.14 0.00	34.99 -0.18 0.00	35.87 -0.04 0.00	35.39 0.14 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.28 0.82 0.00	70.52 0.91 0.00	70.54 1.18 0.00	52.65 1.08 0.00	43.77 1.11 0.00	39.19 0.81 0.00	35.37 0.66 0.00
SITHE_IND_GS1 24169	34.68 -1.00 0.00	32.61 -0.94 0.00	32.28 -0.93 0.00	31.19 -0.90 0.00	32.27 -0.96 0.00	33.86 -0.90 0.00	42.27 -0.95 0.00	59.53 -1.15 -8.56	54.80 -1.00 -8.21	43.46 -0.83 -6.51	42.35 -0.77 -6.34	34.82 -0.82 0.00	34.32 -0.84 0.00	34.90 -1.01 0.00	34.23 -1.02 0.00	35.70 -1.10 0.00	40.03 -1.28 0.00	52.67 -1.80 0.00	67.53 -2.09 0.00	67.29 -2.08 0.00	50.03 -1.55 0.00	41.42 -1.24 0.00	37.39 -1.00 0.00	33.84 -0.87 0.00
SITHE_IND_GS2 24170	34.68 -1.00 0.00	32.61 -0.94 0.00	32.28 -0.93 0.00	31.19 -0.90 0.00	32.27 -0.96 0.00	33.86 -0.90 0.00	42.27 -0.95 0.00	59.53 -1.15 -8.56	54.80 -1.00 -8.21	43.46 -0.83 -6.51	42.35 -0.77 -6.34	34.82 -0.82 0.00	34.32 -0.84 0.00	34.90 -1.01 0.00	34.23 -1.02 0.00	35.70 -1.10 0.00	40.03 -1.28 0.00	52.67 -1.80 0.00	67.53 -2.09 0.00	67.29 -2.08 0.00	50.03 -1.55 0.00	41.42 -1.24 0.00	37.39 -1.00 0.00	33.84 -0.87 0.00
SITHE_IND_GS3 24171	34.68 -1.00 0.00	32.61 -0.94 0.00	32.28 -0.93 0.00	31.19 -0.90 0.00	32.27 -0.96 0.00	33.86 -0.90 0.00	42.27 -0.95 0.00	59.53 -1.15 -8.56	54.80 -1.00 -8.21	43.46 -0.83 -6.51	42.35 -0.77 -6.34	34.82 -0.82 0.00	34.32 -0.84 0.00	34.90 -1.01 0.00	34.23 -1.02 0.00	35.70 -1.10 0.00	40.03 -1.28 0.00	52.67 -1.80 0.00	67.53 -2.09 0.00	67.29 -2.08 0.00	50.03 -1.55 0.00	41.42 -1.24 0.00	37.39 -1.00 0.00	33.84 -0.87 0.00
SITHE_IND_GS4 24172	34.68 -1.00 0.00	32.61 -0.94 0.00	32.28 -0.93 0.00	31.19 -0.90 0.00	32.27 -0.96 0.00	33.86 -0.90 0.00	42.27 -0.95 0.00	59.53 -1.15 -8.56	54.80 -1.00 -8.21	43.46 -0.83 -6.51	42.35 -0.77 -6.34	34.82 -0.82 0.00	34.32 -0.84 0.00	34.90 -1.01 0.00	34.23 -1.02 0.00	35.70 -1.10 0.00	40.03 -1.28 0.00	52.67 -1.80 0.00	67.53 -2.09 0.00	67.29 -2.08 0.00	50.03 -1.55 0.00	41.42 -1.24 0.00	37.39 -1.00 0.00	33.84 -0.87 0.00



SITHE___BATAVIA 24024	36.28 0.61 0.00	34.19 0.64 0.00	33.71 0.50 0.00	32.67 0.58 0.00	33.69 0.46 0.00	35.71 0.94 0.00	44.95 1.73 0.00	57.67 0.52 -5.04	53.85 1.43 -4.83	42.52 0.91 -3.83	41.54 1.03 -3.73	36.42 0.78 0.00	35.98 0.81 0.00	36.30 0.40 0.00	35.39 0.14 0.00	36.55 -0.26 0.00	40.65 -0.66 0.00	52.56 -1.91 0.00	68.29 -1.32 0.00	68.39 -0.97 0.00	51.00 -0.57 0.00	42.36 -0.30 0.00	39.12 0.73 0.00	36.02 1.32 0.00
SITHE___INDEPEND 23800	34.68 -1.00 0.00	32.61 -0.94 0.00	32.28 -0.93 0.00	31.19 -0.90 0.00	32.27 -0.96 0.00	33.83 -0.94 0.00	42.23 -0.99 0.00	59.47 -1.20 -8.56	54.80 -1.00 -8.21	43.47 -0.83 -6.51	42.31 -0.81 -6.34	34.81 -0.82 0.00	34.32 -0.84 0.00	34.90 -1.01 0.00	34.23 -1.02 0.00	35.70 -1.10 0.00	40.03 -1.28 0.00	52.72 -1.74 0.00	67.53 -2.09 0.00	67.28 -2.08 0.00	50.02 -1.55 0.00	41.42 -1.24 0.00	37.35 -1.04 0.00	33.77 -0.94 0.00
SITHE___MASSENA 23902	36.14 0.46 0.00	34.02 0.47 0.00	33.61 0.40 0.00	32.45 0.35 0.00	33.60 0.37 0.00	35.22 0.45 0.00	43.09 -0.13 0.00	51.75 -0.36 0.00	47.45 -0.14 0.00	37.64 -0.15 0.00	36.64 -0.15 0.00	35.49 -0.14 0.00	34.99 -0.17 0.00	36.01 0.11 0.00	35.46 0.21 0.00	37.13 0.33 0.00	41.77 0.46 0.00	55.28 0.82 0.00	70.66 1.05 0.00	70.62 1.25 0.00	52.24 0.67 0.00	43.30 0.64 0.00	38.89 0.50 0.00	35.12 0.42 0.00
SITHE___OGDNSBRG 24021	36.64 0.96 0.00	34.56 1.01 0.00	34.11 0.90 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.78 1.01 0.00	43.65 0.43 0.00	52.53 0.42 0.00	47.93 0.33 0.00	37.71 -0.08 0.00	36.71 -0.07 0.00	35.53 -0.11 0.00	35.03 -0.14 0.00	36.01 0.11 0.00	35.53 0.28 0.00	37.28 0.48 0.00	42.06 0.74 0.00	55.88 1.42 0.00	71.64 2.02 0.00	71.65 2.29 0.00	53.22 1.65 0.00	44.11 1.45 0.00	39.50 1.11 0.00	35.64 0.94 0.00
SITHE___STERLING 23777	36.39 0.71 0.00	34.22 0.67 0.00	33.84 0.63 0.00	32.60 0.51 0.00	33.83 0.60 0.00	35.57 0.80 0.00	44.56 1.34 0.00	53.93 1.82 0.00	49.17 1.57 0.00	38.58 0.79 0.00	37.59 0.81 0.00	36.31 0.68 0.00	35.83 0.67 0.00	36.30 0.40 0.00	35.53 0.28 0.00	37.17 0.37 0.00	41.85 0.54 0.00	55.33 0.87 0.00	71.22 1.60 0.00	71.24 1.87 0.00	52.86 1.29 0.00	43.64 0.98 0.00	39.23 0.84 0.00	35.44 0.73 0.00
SLEIGHT__34_KV_TB1 80719	35.39 -0.29 0.00	33.28 -0.27 0.00	32.84 -0.37 0.00	31.80 -0.29 0.00	32.86 -0.37 0.00	34.59 -0.17 0.00	43.35 0.13 0.00	56.95 0.05 -5.26	52.68 0.05 -5.04	41.67 -0.11 -4.00	40.49 -0.18 -3.89	35.74 0.11 0.00	35.20 0.04 0.00	35.69 -0.22 0.00	34.83 -0.42 0.00	36.21 -0.59 0.00	40.57 -0.74 0.00	53.32 -1.14 0.00	68.57 -1.04 0.00	68.46 -0.90 0.00	50.90 -0.67 0.00	42.06 -0.60 0.00	38.23 -0.15 0.00	34.57 -0.14 0.00
SMITHTWN_69_KV_BK 1 55830	37.96 2.28 0.00	35.73 2.18 0.00	35.04 1.83 0.00	33.98 1.89 0.00	35.32 2.09 0.00	38.17 2.61 -0.80	46.25 3.03 0.00	54.14 2.03 0.00	49.12 1.52 0.00	40.92 3.14 0.00	39.96 3.16 -0.01	38.85 3.21 -0.01	38.27 3.09 -0.01	39.59 2.84 -0.85	39.77 2.71 -1.80	40.33 2.72 -0.80	43.38 2.07 0.00	56.26 1.80 0.00	69.07 0.63 1.17	70.20 0.83 0.00	52.81 1.24 0.00	44.32 1.66 0.00	40.65 2.26 0.00	37.20 2.39 -0.10
SOUTH CAIRO___GT 23612	36.75 1.07 0.00	34.59 1.04 0.00	34.21 1.00 0.00	33.09 0.99 0.00	34.29 1.06 0.00	36.12 1.36 0.00	45.60 2.38 0.00	55.19 3.07 0.00	49.79 2.19 0.00	39.03 1.25 0.00	37.78 0.99 0.00	36.56 0.93 0.00	36.01 0.84 0.00	36.48 0.57 0.00	35.88 0.63 0.00	37.69 0.88 0.00	42.35 1.03 0.00	56.42 1.96 0.00	72.47 2.85 0.00	72.21 2.84 0.00	53.63 2.06 0.00	44.11 1.45 0.00	39.46 1.07 0.00	36.01 1.32 0.01
SOUTH HAMPTN___IC 23720	37.71 2.03 0.00	35.46 1.91 0.00	34.87 1.66 0.00	33.82 1.73 0.00	35.22 1.99 0.00	38.14 2.57 -0.80	45.99 2.77 0.00	54.35 2.24 0.00	49.07 1.48 0.00	40.66 2.87 0.00	39.63 2.83 -0.01	38.60 2.96 -0.01	37.96 2.78 -0.01	39.25 2.51 -0.84	39.43 2.40 -1.78	39.99 2.39 -0.79	43.21 1.90 0.00	56.04 1.58 0.00	69.22 0.28 0.67	69.85 0.49 0.00	52.39 0.82 0.00	43.77 1.11 0.00	40.27 1.88 0.00	36.65 1.84 -0.10
SOUTHDOW_115KV_TB1 355954	36.50 0.82 0.00	34.29 0.74 0.00	33.94 0.73 0.00	32.89 0.80 0.00	33.93 0.70 0.00	35.98 1.22 0.00	45.42 2.20 0.00	58.48 2.71 -3.66	54.44 3.33 -3.51	43.02 2.46 -2.78	41.88 2.39 -2.71	37.17 1.53 0.00	36.64 1.48 0.00	36.87 0.97 0.00	35.74 0.49 0.00	36.80 0.00 0.00	40.98 -0.33 0.00	53.37 -1.09 0.00	69.34 -0.28 0.00	69.57 0.21 0.00	51.47 -0.10 0.00	42.57 -0.09 0.00	39.39 1.00 0.00	35.57 0.87 0.00
SOUTHOLD_69_KV_BK 2 55809	37.71 2.03 0.00	35.56 2.01 0.00	34.94 1.73 0.00	33.92 1.83 0.00	35.39 2.16 0.00	38.52 2.96 -0.80	46.72 3.50 0.00	54.61 2.50 0.00	49.31 1.71 0.00	40.70 2.91 0.00	39.89 3.09 -0.01	38.67 3.03 -0.01	37.96 2.78 -0.01	39.25 2.51 -0.84	39.36 2.33 -1.78	39.88 2.28 -0.79	42.92 1.61 0.00	55.66 1.20 0.00	68.94 0.00 0.67	69.71 0.35 0.00	52.24 0.67 0.00	43.90 1.24 0.00	40.00 1.61 0.00	36.82 2.01 -0.10
SOUTHOLD___IC 23719	37.71 2.03 0.00	35.46 1.91 0.00	34.94 1.73 0.00	33.92 1.83 0.00	35.39 2.16 0.00	38.45 2.88 -0.80	46.37 3.15 0.00	54.77 2.66 0.00	49.31 1.71 0.00	40.74 2.95 0.00	39.77 2.98 -0.01	38.71 3.07 -0.01	37.96 2.78 -0.01	39.25 2.51 -0.84	39.36 2.33 -1.78	39.92 2.32 -0.79	43.05 1.73 0.00	55.82 1.36 0.00	68.94 0.00 0.67	69.64 0.28 0.00	52.19 0.62 0.00	43.60 0.94 0.00	40.00 1.61 0.00	36.54 1.73 -0.10
SOUTH_FORK_WT_PWR 323839	37.39 1.71 0.00	35.23 1.68 0.00	34.71 1.50 0.00	33.76 1.67 0.00	35.22 1.99 0.00	38.35 2.78 -0.80	46.20 2.98 0.00	54.51 2.40 0.00	49.02 1.43 0.00	40.47 2.68 0.00	39.56 2.76 -0.01	38.46 2.81 -0.01	37.68 2.50 -0.01	38.89 2.15 -0.84	39.00 1.97 -1.78	39.47 1.88 -0.79	42.51 1.20 0.00	55.12 0.66 0.00	68.04 -0.91 0.67	68.74 -0.63 0.00	51.47 -0.10 0.00	43.00 0.34 0.00	39.46 1.07 0.00	36.20 1.39 -0.10
SPIERFLS_115KV_TB 1 80737	36.32 0.64 0.00	34.19 0.64 0.00	33.84 0.63 0.00	32.77 0.67 0.00	33.93 0.70 0.00	35.43 0.66 0.00	44.60 1.38 0.00	53.78 1.67 0.00	48.69 1.09 0.00	38.54 0.76 0.00	37.30 0.52 0.00	36.13 0.50 0.00	35.59 0.42 0.00	36.12 0.22 0.00	35.32 0.07 0.00	37.14 0.33 0.00	41.77 0.45 0.00	55.55 1.09 0.00	71.43 1.81 0.00	71.03 1.66 0.00	52.76 1.19 0.00	43.55 0.90 0.00	38.96 0.58 0.00	35.12 0.45 0.04
ST LAWRENCE____ 23600	35.71 0.04 0.00	33.62 0.07 0.00	33.28 0.07 0.00	32.12 0.03 0.00	33.26 0.03 0.00	34.84 0.07 0.00	42.70 -0.52 0.00	51.28 -0.84 0.00	46.98 -0.62 0.00	37.30 -0.49 0.00	36.27 -0.52 0.00	35.14 -0.50 0.00	34.67 -0.49 0.00	35.76 -0.14 0.00	35.21 -0.04 0.00	36.80 0.00 0.00	41.36 0.04 0.00	54.68 0.22 0.00	69.90 0.28 0.00	69.71 0.35 0.00	51.67 0.10 0.00	42.79 0.13 0.00	38.46 0.08 0.00	34.74 0.03 0.00



STATE_CA_115KV_115_LB 55624	36.04 0.36 0.00	33.92 0.37 0.00	33.61 0.40 0.00	32.41 0.32 0.00	33.56 0.33 0.00	35.05 0.28 0.00	44.00 0.78 0.00	53.26 1.15 0.00	48.41 0.81 0.00	38.62 0.83 0.00	37.63 0.85 0.00	36.45 0.82 0.00	36.01 0.84 0.00	36.44 0.54 0.00	35.81 0.56 0.00	37.43 0.63 0.00	41.93 0.62 0.00	55.39 0.93 0.00	70.80 1.18 0.00	70.41 1.04 0.00	52.40 0.83 0.00	43.26 0.60 0.00	38.69 0.31 0.00	35.08 0.42 0.04
STATE_ST_34_KV_LOAD 55959	35.71 0.04 0.00	33.55 0.00 0.00	33.14 -0.07 0.00	32.06 -0.03 0.00	33.16 -0.07 0.00	34.87 0.10 0.00	43.74 0.52 0.00	55.88 0.68 -3.09	51.27 0.71 -2.96	40.51 0.38 -2.35	39.40 0.33 -2.29	35.88 0.25 0.00	35.31 0.14 0.00	35.83 -0.07 0.00	35.07 -0.18 0.00	36.55 -0.26 0.00	41.07 -0.25 0.00	54.25 -0.22 0.00	69.76 0.14 0.00	69.57 0.21 0.00	51.67 0.10 0.00	42.66 0.00 0.00	38.54 0.15 0.00	34.81 0.10 0.00
STATION_5_MISC_HYD 23604	35.79 0.11 0.00	33.69 0.13 0.00	33.24 0.03 0.00	32.19 0.10 0.00	33.23 0.00 0.00	35.11 0.35 0.00	44.08 0.86 0.00	57.76 -0.26 -5.90	53.59 0.34 -5.66	42.39 0.11 -4.49	41.34 0.18 -4.37	36.13 0.50 0.00	35.66 0.49 0.00	36.08 0.18 0.00	35.25 0.00 0.00	36.55 -0.26 0.00	40.82 -0.49 0.00	53.21 -1.25 0.00	68.57 -1.04 0.00	68.54 -0.83 0.00	51.11 -0.47 0.00	42.32 -0.34 0.00	38.66 0.27 0.00	35.30 0.59 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	35.68 0.00 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.06 -0.03 0.00	33.13 -0.10 0.00	34.87 0.10 0.00	43.74 0.52 0.00	57.29 0.10 -5.08	52.99 0.52 -4.87	41.87 0.23 -3.86	40.69 0.15 -3.76	35.96 0.32 0.00	35.45 0.28 0.00	35.90 0.00 0.00	35.07 -0.18 0.00	36.44 -0.37 0.00	40.82 -0.50 0.00	53.70 -0.76 0.00	69.06 -0.56 0.00	68.95 -0.42 0.00	51.26 -0.31 0.00	42.36 -0.30 0.00	38.50 0.12 0.00	34.81 0.10 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	35.54 -0.14 0.00	33.42 -0.13 0.00	32.98 -0.23 0.00	31.93 -0.16 0.00	33.00 -0.23 0.00	34.73 -0.03 0.00	43.44 0.22 0.00	57.32 -0.68 -5.89	53.19 -0.05 -5.64	42.11 -0.15 -4.47	40.88 -0.26 -4.36	35.85 0.21 0.00	35.38 0.21 0.00	35.83 -0.07 0.00	34.97 -0.28 0.00	36.29 -0.52 0.00	40.57 -0.74 0.00	53.10 -1.36 0.00	68.22 -1.39 0.00	68.19 -1.18 0.00	50.75 -0.83 0.00	41.98 -0.68 0.00	38.35 -0.04 0.00	34.67 -0.03 0.00
STA_56___34_KV_BUS2 355983	35.54 -0.14 0.00	33.42 -0.13 0.00	32.98 -0.23 0.00	31.93 -0.16 0.00	33.00 -0.23 0.00	34.73 -0.03 0.00	43.44 0.22 0.00	57.32 -0.68 -5.89	53.19 -0.05 -5.64	42.11 -0.15 -4.47	40.88 -0.26 -4.36	35.85 0.21 0.00	35.38 0.21 0.00	35.83 -0.07 0.00	34.97 -0.28 0.00	36.29 -0.52 0.00	40.57 -0.74 0.00	53.10 -1.36 0.00	68.22 -1.39 0.00	68.19 -1.18 0.00	50.75 -0.83 0.00	41.98 -0.68 0.00	38.35 -0.04 0.00	34.67 -0.03 0.00
STA_67___115KV_BK2 355882	35.75 0.07 0.00	33.62 0.07 0.00	33.18 -0.03 0.00	32.12 0.03 0.00	33.16 -0.07 0.00	34.91 0.14 0.00	43.70 0.48 0.00	57.56 -0.47 -5.91	53.46 0.19 -5.67	42.28 0.00 -4.50	41.09 -0.07 -4.38	36.03 0.39 0.00	35.55 0.39 0.00	36.01 0.11 0.00	35.14 -0.11 0.00	36.47 -0.33 0.00	40.70 -0.62 0.00	53.27 -1.20 0.00	68.43 -1.18 0.00	68.39 -0.97 0.00	50.95 -0.62 0.00	42.15 -0.51 0.00	38.58 0.19 0.00	34.88 0.17 0.00
STA_7___115KV_9TRANS 80674	35.93 0.25 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.28 0.19 0.00	33.33 0.10 0.00	35.11 0.35 0.00	43.95 0.73 0.00	57.86 -0.16 -5.90	53.78 0.52 -5.66	42.54 0.26 -4.49	41.34 0.18 -4.37	36.28 0.64 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.35 0.11 0.00	36.66 -0.15 0.00	40.98 -0.33 0.00	53.65 -0.82 0.00	68.85 -0.77 0.00	68.88 -0.49 0.00	51.31 -0.26 0.00	42.45 -0.21 0.00	38.81 0.42 0.00	35.09 0.38 0.00
STA_82___115KV_TB1 80780	35.75 0.07 0.00	33.62 0.07 0.00	33.18 -0.03 0.00	32.12 0.03 0.00	33.20 -0.03 0.00	34.94 0.17 0.00	43.70 0.48 0.00	57.49 -0.47 -5.85	53.40 0.19 -5.61	42.24 0.00 -4.45	41.04 -0.07 -4.33	36.06 0.43 0.00	35.55 0.39 0.00	36.01 0.11 0.00	35.14 -0.11 0.00	36.47 -0.33 0.00	40.70 -0.62 0.00	53.27 -1.20 0.00	68.43 -1.18 0.00	68.39 -0.97 0.00	50.95 -0.62 0.00	42.15 -0.51 0.00	38.58 0.19 0.00	34.88 0.17 0.00
STEEL___WIND 323596	35.82 0.14 0.00	33.72 0.17 0.00	33.31 0.10 0.00	32.29 0.19 0.00	33.30 0.07 0.00	35.39 0.63 0.00	44.60 1.38 0.00	56.80 0.63 -4.06	53.01 1.52 -3.89	41.93 1.06 -3.08	41.07 1.29 -3.00	36.20 0.57 0.00	35.76 0.60 0.00	36.01 0.11 0.00	35.07 -0.18 0.00	36.18 -0.63 0.00	40.12 -1.20 0.00	51.58 -2.89 0.00	67.11 -2.50 0.00	67.14 -2.22 0.00	50.07 -1.50 0.00	41.63 -1.02 0.00	38.62 0.23 0.00	35.61 0.90 0.00
STEPHTWN_115KV_BK_2 55603	36.21 0.54 0.00	34.09 0.54 0.00	33.74 0.53 0.00	32.64 0.55 0.00	33.83 0.60 0.00	35.29 0.52 0.00	44.39 1.17 0.00	53.73 1.62 0.00	48.79 1.19 0.00	38.88 1.10 0.00	37.74 0.96 0.00	36.56 0.93 0.00	36.12 0.95 0.00	36.55 0.65 0.00	35.88 0.63 0.00	37.54 0.74 0.00	42.14 0.83 0.00	55.72 1.25 0.00	71.22 1.60 0.00	70.82 1.46 0.00	52.65 1.08 0.00	43.47 0.81 0.00	38.92 0.54 0.00	35.26 0.59 0.04
STEBEN_REC_LFGE 323667	35.82 0.14 0.00	33.65 0.10 0.00	33.28 0.07 0.00	32.25 0.16 0.00	33.33 0.10 0.00	35.25 0.49 0.00	44.47 1.25 0.00	55.00 1.25 -1.63	50.92 1.76 -1.57	40.12 1.10 -1.24	38.91 0.92 -1.21	36.10 0.46 0.00	35.52 0.35 0.00	35.72 -0.18 0.00	34.76 -0.49 0.00	35.96 -0.85 0.00	40.12 -1.20 0.00	52.99 -1.47 0.00	68.99 -0.63 0.00	68.88 -0.49 0.00	51.16 -0.41 0.00	42.23 -0.43 0.00	38.89 0.50 0.00	35.16 0.45 0.00
STILLWATER___SOLAR 323814	36.68 1.00 0.00	34.49 0.94 0.00	34.14 0.93 0.00	33.02 0.93 0.00	34.23 1.00 0.00	35.78 1.01 0.00	44.95 1.73 0.00	54.35 2.24 0.00	49.26 1.67 0.00	39.07 1.29 0.00	37.81 1.03 0.00	36.70 1.07 0.00	36.15 0.98 0.00	36.69 0.79 0.00	35.95 0.70 0.00	37.72 0.92 0.00	42.39 1.07 0.00	56.21 1.74 0.00	71.99 2.37 0.00	71.58 2.22 0.00	53.27 1.70 0.00	43.98 1.32 0.00	39.38 1.00 0.00	35.46 0.80 0.04
STONY___BROOK 24151	37.93 2.25 0.00	35.63 2.08 0.00	35.00 1.79 0.00	33.92 1.83 0.00	35.29 2.06 0.00	38.10 2.54 -0.80	45.90 2.68 0.00	54.20 2.09 0.00	49.07 1.48 0.00	40.89 3.10 0.00	39.77 2.98 -0.01	38.78 3.14 -0.01	38.20 3.02 -0.01	39.51 2.76 -0.85	39.69 2.65 -1.80	40.26 2.65 -0.80	43.46 2.15 0.00	56.26 1.79 0.00	68.98 0.28 0.92	69.85 0.49 0.00	52.65 1.08 0.00	44.06 1.41 0.00	40.61 2.23 0.00	36.92 2.12 -0.10
STURGEON_POOL_HYD 23609	37.00 1.32 0.00	34.79 1.24 0.00	34.34 1.13 0.00	33.18 1.09 0.00	34.39 1.16 0.00	36.05 1.29 0.00	45.38 2.16 0.00	54.93 2.81 0.00	49.83 2.24 0.00	39.75 1.96 0.00	38.81 2.02 0.00	37.70 2.07 0.00	37.17 2.00 0.00	37.66 1.76 0.00	36.98 1.73 0.00	38.57 1.77 0.00	43.38 2.07 0.00	56.81 2.34 0.00	72.47 2.85 0.00	72.14 2.77 0.00	53.58 2.01 0.00	44.28 1.62 0.00	39.77 1.38 0.00	36.16 1.39 -0.06



ST_LAW_115_BK7_LBMP 345037	35.75 0.07 0.00	33.65 0.10 0.00	33.28 0.07 0.00	32.12 0.03 0.00	33.26 0.03 0.00	34.84 0.07 0.00	42.66 -0.56 0.00	51.28 -0.84 0.00	46.98 -0.62 0.00	37.26 -0.53 0.00	36.27 -0.52 0.00	35.10 -0.53 0.00	34.64 -0.53 0.00	35.72 -0.18 0.00	35.21 -0.04 0.00	36.80 0.00 0.00	41.40 0.08 0.00	54.74 0.27 0.00	69.97 0.35 0.00	69.78 0.42 0.00	51.67 0.10 0.00	42.83 0.17 0.00	38.46 0.08 0.00	34.74 0.03 0.00
ST_LAW_115_BK8_LBMP 345038	35.75 0.07 0.00	33.65 0.10 0.00	33.28 0.07 0.00	32.12 0.03 0.00	33.26 0.03 0.00	34.84 0.07 0.00	42.66 -0.56 0.00	51.28 -0.84 0.00	46.98 -0.62 0.00	37.26 -0.53 0.00	36.27 -0.52 0.00	35.10 -0.53 0.00	34.64 -0.53 0.00	35.72 -0.18 0.00	35.21 -0.04 0.00	36.80 0.00 0.00	41.40 0.08 0.00	54.74 0.27 0.00	69.97 0.35 0.00	69.78 0.42 0.00	51.67 0.10 0.00	42.83 0.17 0.00	38.46 0.08 0.00	34.74 0.03 0.00
ST_LAW_230_BK5_LBMP 345035	35.71 0.04 0.00	33.62 0.07 0.00	33.28 0.07 0.00	32.12 0.03 0.00	33.26 0.03 0.00	34.84 0.07 0.00	42.70 -0.52 0.00	51.28 -0.84 0.00	46.98 -0.62 0.00	37.30 -0.49 0.00	36.27 -0.52 0.00	35.14 -0.50 0.00	34.67 -0.49 0.00	35.76 -0.14 0.00	35.21 -0.04 0.00	36.80 0.00 0.00	41.36 0.04 0.00	54.68 0.22 0.00	69.90 0.28 0.00	69.71 0.35 0.00	51.67 0.10 0.00	42.79 0.13 0.00	38.46 0.08 0.00	34.74 0.03 0.00
ST_LAW_230_BK6_LBMP 345036	35.71 0.04 0.00	33.62 0.07 0.00	33.28 0.07 0.00	32.12 0.03 0.00	33.26 0.03 0.00	34.84 0.07 0.00	42.70 -0.52 0.00	51.28 -0.84 0.00	46.98 -0.62 0.00	37.30 -0.49 0.00	36.27 -0.52 0.00	35.14 -0.50 0.00	34.67 -0.49 0.00	35.76 -0.14 0.00	35.21 -0.04 0.00	36.80 0.00 0.00	41.36 0.04 0.00	54.68 0.22 0.00	69.90 0.28 0.00	69.71 0.35 0.00	51.67 0.10 0.00	42.79 0.13 0.00	38.46 0.08 0.00	34.74 0.03 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	37.00 1.32 0.00	34.79 1.24 0.00	34.34 1.13 0.00	33.18 1.09 0.00	34.39 1.16 0.00	36.12 1.36 0.00	45.51 2.29 0.00	55.13 3.02 0.00	50.12 2.52 0.00	39.98 2.19 0.00	39.07 2.28 0.00	37.92 2.28 0.00	37.42 2.25 0.00	37.88 1.97 0.00	37.12 1.87 0.00	38.72 1.91 0.00	43.46 2.15 0.00	56.97 2.51 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.69 2.11 0.00	44.37 1.71 0.00	39.85 1.46 0.00	36.14 1.35 -0.08
SWANROAD_115KV_TB1 355699	35.29 -0.39 0.00	33.21 -0.34 0.00	32.81 -0.40 0.00	31.83 -0.26 0.00	32.80 -0.43 0.00	34.49 -0.28 0.00	43.00 -0.22 0.00	54.90 -1.77 -4.56	51.78 -0.19 -4.37	41.14 -0.11 -3.46	39.97 -0.18 -3.37	35.42 -0.21 0.00	34.96 -0.21 0.00	35.25 -0.65 0.00	34.37 -0.88 0.00	35.41 -1.40 0.00	39.17 -2.15 0.00	50.43 -4.03 0.00	65.02 -4.59 0.00	65.06 -4.30 0.00	48.68 -2.89 0.00	40.44 -2.22 0.00	37.85 -0.54 0.00	34.32 -0.38 0.00
SYNERGY___BIOGAS 323694	36.29 0.61 0.00	34.15 0.60 0.00	33.71 0.50 0.00	32.67 0.58 0.00	33.70 0.47 0.00	35.50 0.73 0.00	44.43 1.21 0.00	57.46 0.31 -5.04	53.80 1.38 -4.83	42.52 0.91 -3.83	41.21 0.70 -3.73	36.42 0.78 0.00	35.94 0.77 0.00	36.30 0.39 0.00	35.35 0.11 0.00	36.51 -0.29 0.00	40.61 -0.70 0.00	52.77 -1.69 0.00	68.22 -1.39 0.00	68.32 -1.04 0.00	50.95 -0.62 0.00	42.19 -0.47 0.00	39.12 0.73 0.00	35.40 0.69 0.00
SYRACUSE___ENERGY_ST1 323597	35.46 -0.21 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.87 -0.22 0.00	32.96 -0.27 0.00	34.59 -0.17 0.00	43.26 0.04 0.00	55.90 0.16 -3.64	51.32 0.24 -3.48	40.66 0.11 -2.76	39.55 0.07 -2.69	35.67 0.04 0.00	35.17 0.00 0.00	35.69 -0.22 0.00	34.93 -0.32 0.00	36.44 -0.37 0.00	40.90 -0.41 0.00	53.92 -0.54 0.00	69.13 -0.49 0.00	68.95 -0.42 0.00	51.26 -0.31 0.00	42.36 -0.30 0.00	38.23 -0.15 0.00	34.57 -0.14 0.00
SYRACUSE___ENERGY_ST2 323598	35.46 -0.21 0.00	33.32 -0.23 0.00	32.94 -0.27 0.00	31.87 -0.22 0.00	32.96 -0.27 0.00	34.59 -0.17 0.00	43.26 0.04 0.00	55.90 0.16 -3.64	51.32 0.24 -3.48	40.66 0.11 -2.76	39.55 0.07 -2.69	35.67 0.04 0.00	35.17 0.00 0.00	35.69 -0.22 0.00	34.93 -0.32 0.00	36.44 -0.37 0.00	40.90 -0.41 0.00	53.92 -0.54 0.00	69.13 -0.49 0.00	68.95 -0.42 0.00	51.26 -0.31 0.00	42.36 -0.30 0.00	38.23 -0.15 0.00	34.57 -0.14 0.00
SYRACUSE___POWER 24017	35.43 -0.25 0.00	33.25 -0.30 0.00	32.91 -0.30 0.00	31.80 -0.29 0.00	32.93 -0.30 0.00	34.56 -0.21 0.00	43.22 0.00 0.00	53.16 0.10 -0.94	48.69 0.19 -0.90	38.58 0.08 -0.71	37.56 0.07 -0.70	35.67 0.04 0.00	35.13 -0.04 0.00	35.65 -0.25 0.00	34.90 -0.35 0.00	36.40 -0.40 0.00	40.86 -0.45 0.00	53.81 -0.65 0.00	69.06 -0.56 0.00	68.88 -0.49 0.00	51.16 -0.41 0.00	42.27 -0.38 0.00	38.20 -0.19 0.00	34.53 -0.17 0.00
TALLMAN___138KV_BK151 55660	37.07 1.39 0.00	34.83 1.27 0.00	34.37 1.16 0.00	33.25 1.16 0.00	34.43 1.20 0.00	36.19 1.43 0.00	45.64 2.42 0.00	55.29 3.18 0.00	50.26 2.67 0.00	40.17 2.38 0.00	39.29 2.50 0.00	38.13 2.49 0.00	37.63 2.46 0.00	38.09 2.19 0.00	37.33 2.08 0.00	38.90 2.10 0.00	43.63 2.31 0.00	57.13 2.67 0.00	72.89 3.27 0.00	72.56 3.19 0.00	53.79 2.22 0.00	44.45 1.79 0.00	39.92 1.54 0.00	36.21 1.42 -0.08
TEALLAVE_115KV_TB7 355573	35.32 -0.36 0.00	33.18 -0.37 0.00	32.81 -0.40 0.00	31.71 -0.39 0.00	32.83 -0.40 0.00	34.45 -0.31 0.00	43.05 -0.17 0.00	53.70 -0.16 -1.75	49.27 0.00 -1.68	39.04 -0.08 -1.33	38.04 -0.04 -1.29	35.56 -0.07 0.00	35.06 -0.11 0.00	35.58 -0.32 0.00	34.83 -0.42 0.00	36.33 -0.48 0.00	40.78 -0.54 0.00	53.65 -0.82 0.00	68.78 -0.84 0.00	68.53 -0.83 0.00	50.95 -0.62 0.00	42.10 -0.55 0.00	38.08 -0.31 0.00	34.43 -0.28 0.00
TELGRAPH_34_KV_EAST 80808	35.86 0.18 0.00	33.79 0.23 0.00	33.34 0.13 0.00	32.35 0.26 0.00	33.33 0.10 0.00	35.11 0.35 0.00	43.87 0.65 0.00	56.43 -0.52 -4.84	52.95 0.71 -4.64	41.96 0.49 -3.68	40.74 0.37 -3.58	36.06 0.43 0.00	35.59 0.42 0.00	35.90 0.00 0.00	35.00 -0.25 0.00	36.10 -0.70 0.00	40.03 -1.28 0.00	51.79 -2.67 0.00	66.90 -2.72 0.00	66.94 -2.43 0.00	50.02 -1.55 0.00	41.46 -1.19 0.00	38.62 0.23 0.00	34.98 0.28 0.00
TEMPLE___115KV_TB 2 55572	35.32 -0.36 0.00	33.18 -0.37 0.00	32.81 -0.40 0.00	31.74 -0.35 0.00	32.83 -0.40 0.00	34.45 -0.31 0.00	43.09 -0.13 0.00	53.33 -0.10 -1.32	48.86 0.00 -1.27	38.76 -0.04 -1.01	37.76 0.00 -0.98	35.60 -0.04 0.00	35.10 -0.07 0.00	35.61 -0.29 0.00	34.86 -0.39 0.00	36.33 -0.48 0.00	40.78 -0.54 0.00	53.65 -0.82 0.00	68.78 -0.84 0.00	68.60 -0.76 0.00	51.00 -0.57 0.00	42.15 -0.51 0.00	38.08 -0.31 0.00	34.43 -0.28 0.00
TIANA____69_KV_BK 1 55817	37.75 2.07 0.00	35.53 1.98 0.00	34.87 1.66 0.00	33.82 1.73 0.00	35.19 1.96 0.00	38.14 2.57 -0.80	46.29 3.07 0.00	54.14 2.03 0.00	49.02 1.43 0.00	40.62 2.83 0.00	39.70 2.91 -0.01	38.57 2.92 -0.01	37.96 2.78 -0.01	39.25 2.51 -0.84	39.43 2.40 -1.78	40.03 2.43 -0.79	43.13 1.82 0.00	55.93 1.47 0.00	69.36 0.42 0.67	69.99 0.62 0.00	52.55 0.98 0.00	44.15 1.49 0.00	40.35 1.96 0.00	36.96 2.15 -0.10



TILDEN___115KV_TB1 80814	35.43 -0.25 0.00	33.25 -0.30 0.00	32.91 -0.30 0.00	31.80 -0.29 0.00	32.93 -0.30 0.00	34.56 -0.21 0.00	43.22 0.00 0.00	53.16 0.10 -0.94	48.69 0.19 -0.90	38.58 0.08 -0.71	37.56 0.07 -0.70	35.67 0.04 0.00	35.13 -0.04 0.00	35.65 -0.25 0.00	34.90 -0.35 0.00	36.40 -0.40 0.00	40.86 -0.45 0.00	53.81 -0.65 0.00	69.06 -0.56 0.00	68.88 -0.49 0.00	51.16 -0.41 0.00	42.27 -0.38 0.00	38.20 -0.19 0.00	34.53 -0.17 0.00
TRIGEN___CC 323695	37.82 2.14 0.00	35.63 2.08 0.00	35.04 1.83 0.00	33.92 1.83 0.00	35.19 1.96 0.00	37.83 2.26 -0.80	46.20 2.98 0.00	54.93 2.81 0.00	49.83 2.24 0.00	40.89 3.10 0.00	40.00 3.20 -0.02	38.79 3.14 -0.02	38.29 3.09 -0.03	40.20 2.80 -1.50	41.12 2.68 -3.19	40.95 2.72 -1.42	43.79 2.48 0.00	57.02 2.56 0.00	71.78 2.37 0.20	71.65 2.29 0.00	53.48 1.91 0.00	44.49 1.83 0.00	40.50 2.11 0.00	36.99 2.19 -0.10
TRINITY___115KV___4 BK 55933	35.96 0.29 0.00	33.82 0.27 0.00	33.51 0.30 0.00	32.35 0.26 0.00	33.50 0.27 0.00	34.98 0.21 0.00	43.95 0.73 0.00	53.15 1.04 0.00	48.31 0.71 0.00	38.54 0.76 0.00	37.56 0.77 0.00	36.38 0.75 0.00	35.94 0.77 0.00	36.40 0.50 0.00	35.74 0.49 0.00	37.36 0.55 0.00	41.89 0.58 0.00	55.28 0.82 0.00	70.59 0.97 0.00	70.20 0.83 0.00	52.24 0.67 0.00	43.13 0.47 0.00	38.62 0.23 0.00	34.98 0.31 0.04
UNION___PROCESSING_DRP 323587	35.75 0.07 0.00	33.62 0.07 0.00	33.21 0.00 0.00	32.12 0.03 0.00	33.20 -0.03 0.00	34.94 0.17 0.00	43.70 0.48 0.00	57.48 -0.47 -5.84	53.38 0.19 -5.59	42.26 0.04 -4.44	41.03 -0.07 -4.32	36.06 0.43 0.00	35.59 0.42 0.00	36.04 0.14 0.00	35.18 -0.07 0.00	36.47 -0.33 0.00	40.74 -0.58 0.00	53.27 -1.20 0.00	68.43 -1.18 0.00	68.46 -0.90 0.00	51.00 -0.57 0.00	42.15 -0.51 0.00	38.62 0.23 0.00	34.91 0.21 0.00
UPPER HUDSON___HYD 24058	36.32 0.64 0.00	34.15 0.60 0.00	33.84 0.63 0.00	32.77 0.67 0.00	33.93 0.70 0.00	35.43 0.66 0.00	44.56 1.34 0.00	53.83 1.72 0.00	48.74 1.14 0.00	38.54 0.76 0.00	37.26 0.48 0.00	36.17 0.54 0.00	35.59 0.42 0.00	36.12 0.22 0.00	35.32 0.07 0.00	37.13 0.33 0.00	41.77 0.46 0.00	55.61 1.15 0.00	71.36 1.74 0.00	71.03 1.66 0.00	52.76 1.19 0.00	43.56 0.90 0.00	38.96 0.58 0.00	35.05 0.38 0.04
UPPER RAQUET___HYD 24056	36.39 0.71 0.00	34.32 0.77 0.00	33.87 0.66 0.00	32.57 0.48 0.00	33.76 0.53 0.00	35.50 0.73 0.00	43.31 0.09 0.00	53.09 0.00 -0.98	48.58 0.05 -0.94	38.42 -0.11 -0.74	37.40 -0.11 -0.72	35.49 -0.14 0.00	34.99 -0.17 0.00	35.90 0.00 0.00	35.39 0.14 0.00	37.10 0.29 0.00	41.81 0.50 0.00	55.28 0.82 0.00	70.59 0.97 0.00	70.75 1.39 0.00	52.66 1.08 0.00	43.77 1.11 0.00	39.19 0.81 0.00	35.36 0.66 0.00
VALLEY44_115KV_TB2 355964	35.25 -0.43 0.00	33.08 -0.47 0.00	32.71 -0.50 0.00	31.71 -0.39 0.00	32.73 -0.50 0.00	34.66 -0.10 0.00	43.91 0.69 0.00	57.90 2.35 -3.45	53.90 3.00 -3.30	42.48 2.08 -2.62	41.36 2.02 -2.55	35.78 0.14 0.00	35.31 0.14 0.00	35.58 -0.32 0.00	34.51 -0.74 0.00	35.59 -1.21 0.00	39.70 -1.61 0.00	51.79 -2.67 0.00	67.32 -2.30 0.00	67.35 -2.01 0.00	49.77 -1.80 0.00	41.17 -1.49 0.00	37.93 -0.46 0.00	34.39 -0.31 0.00
VALLEY___115KV_TB 1-4 80826	37.11 1.43 0.00	34.89 1.34 0.00	34.51 1.30 0.00	33.31 1.22 0.00	34.46 1.23 0.00	36.12 1.36 0.00	45.04 1.82 0.00	54.40 2.29 0.00	49.69 2.09 0.00	39.30 1.51 0.00	38.33 1.55 0.00	37.10 1.46 0.00	36.57 1.41 0.00	37.12 1.22 0.00	36.34 1.09 0.00	37.94 1.14 0.00	42.64 1.32 0.00	56.21 1.74 0.00	72.12 2.51 0.00	71.93 2.57 0.00	53.48 1.91 0.00	44.24 1.58 0.00	39.77 1.38 0.00	35.99 1.28 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	36.75 1.07 0.00	34.59 1.04 0.00	34.27 1.06 0.00	33.09 0.99 0.00	34.33 1.10 0.00	35.98 1.22 0.00	45.25 2.03 0.00	53.99 2.76 0.88	49.18 2.43 0.84	38.71 1.59 0.67	37.79 1.66 0.65	37.13 1.50 0.00	36.64 1.48 0.00	36.98 1.08 0.00	36.17 0.92 0.00	37.76 0.96 0.00	42.51 1.20 0.00	56.15 1.69 0.00	72.05 2.44 0.00	71.93 2.57 0.00	53.43 1.86 0.00	44.11 1.45 0.00	39.65 1.27 0.00	35.83 1.11 -0.01
VISCHER___FERRY HYD 24020	36.50 0.82 0.00	34.29 0.74 0.00	33.94 0.73 0.00	32.83 0.74 0.00	34.03 0.80 0.00	35.60 0.83 0.00	44.73 1.51 0.00	54.14 2.03 0.00	49.07 1.48 0.00	39.11 1.32 0.00	37.96 1.18 0.00	36.85 1.21 0.00	36.32 1.16 0.00	36.87 0.97 0.00	36.16 0.91 0.00	37.87 1.07 0.00	42.51 1.20 0.00	56.21 1.74 0.00	71.70 2.09 0.00	71.24 1.87 0.00	53.07 1.50 0.00	43.81 1.15 0.00	39.23 0.84 0.00	35.31 0.66 0.06
V_A_10_SYNC_DSASP 323832	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.06 -0.03 0.00	33.10 -0.13 0.00	34.91 0.14 0.00	43.52 0.30 0.00	55.45 -1.67 -5.00	51.82 -0.57 -4.80	41.06 -0.53 -3.81	39.90 -0.59 -3.71	35.88 0.25 0.00	35.41 0.25 0.00	35.76 -0.14 0.00	34.86 -0.39 0.00	35.99 -0.81 0.00	39.91 -1.40 0.00	51.58 -2.89 0.00	66.41 -3.20 0.00	66.45 -2.91 0.00	49.66 -1.91 0.00	41.21 -1.45 0.00	38.31 -0.08 0.00	34.74 0.03 0.00
V_CMM_10_SYNC_DSASP 323787	35.93 0.25 0.00	33.82 0.27 0.00	33.44 0.23 0.00	32.28 0.19 0.00	33.43 0.20 0.00	35.01 0.24 0.00	42.87 -0.35 0.00	51.49 -0.63 0.00	47.22 -0.38 0.00	37.45 -0.34 0.00	36.46 -0.33 0.00	35.31 -0.32 0.00	34.81 -0.35 0.00	35.87 -0.04 0.00	35.35 0.11 0.00	36.99 0.18 0.00	41.56 0.25 0.00	54.95 0.49 0.00	70.24 0.63 0.00	69.99 0.62 0.00	51.93 0.36 0.00	43.04 0.38 0.00	38.66 0.27 0.00	34.95 0.24 0.00
V_CMP_10_SYNC_DSASP 323788	35.82 0.14 0.00	33.82 0.27 0.00	33.47 0.26 0.00	32.41 0.32 0.00	33.60 0.37 0.00	35.29 0.52 0.00	43.35 0.13 0.00	51.49 -0.62 0.00	47.27 -0.33 0.00	37.86 0.08 0.00	36.75 -0.04 0.00	35.56 -0.07 0.00	34.96 -0.21 0.00	35.87 -0.04 0.00	35.28 0.04 0.00	36.95 0.15 0.00	41.61 0.29 0.00	54.79 0.33 0.00	70.31 0.70 0.00	70.34 0.97 0.00	51.93 0.36 0.00	43.34 0.68 0.00	38.92 0.54 0.00	35.16 0.45 0.00
V_D_10_SYNC_DSASP 323841	36.14 0.46 0.00	34.02 0.47 0.00	33.61 0.40 0.00	32.45 0.35 0.00	33.60 0.37 0.00	35.19 0.42 0.00	43.09 -0.13 0.00	51.75 -0.36 0.00	47.45 -0.14 0.00	37.64 -0.15 0.00	36.64 -0.15 0.00	35.49 -0.14 0.00	34.99 -0.17 0.00	36.01 0.11 0.00	35.46 0.21 0.00	37.13 0.33 0.00	41.77 0.46 0.00	55.23 0.76 0.00	70.66 1.05 0.00	70.62 1.25 0.00	52.24 0.67 0.00	43.30 0.64 0.00	38.89 0.50 0.00	35.12 0.42 0.00
V_E_10_SYNC_DSASP 323830	37.46 1.78 0.00	35.29 1.74 0.00	34.87 1.66 0.00	33.60 1.51 0.00	34.86 1.63 0.00	36.89 2.12 0.00	46.55 3.33 0.00	56.49 4.38 0.00	51.50 3.90 0.00	39.64 1.85 0.00	38.66 1.88 0.00	37.06 1.43 0.00	36.47 1.30 0.00	36.51 0.61 0.00	35.64 0.39 0.00	37.32 0.51 0.00	42.35 1.03 0.00	56.48 2.02 0.00	73.58 3.97 0.00	73.81 4.44 0.00	54.66 3.09 0.00	44.96 2.30 0.00	40.42 2.03 0.00	36.59 1.87 -0.01



V_F_30_NSYNC___DSASP 323816	36.71 1.04 0.00	34.52 0.97 0.00	34.17 0.96 0.00	33.05 0.96 0.00	34.26 1.03 0.00	35.81 1.04 0.00	44.99 1.77 0.00	54.35 2.24 0.00	49.31 1.71 0.00	39.11 1.32 0.00	37.89 1.10 0.00	36.74 1.11 0.00	36.19 1.02 0.00	36.73 0.83 0.00	35.99 0.74 0.00	37.76 0.96 0.00	42.43 1.12 0.00	56.26 1.79 0.00	72.05 2.44 0.00	71.65 2.29 0.00	53.33 1.75 0.00	44.02 1.36 0.00	39.42 1.04 0.00	35.49 0.83 0.04
V_F_30_SYNC_DSASP 323786	36.04 0.36 0.00	33.92 0.37 0.00	33.61 0.40 0.00	32.41 0.32 0.00	33.56 0.33 0.00	35.01 0.24 0.00	44.00 0.78 0.00	53.26 1.15 0.00	48.41 0.81 0.00	38.62 0.83 0.00	37.63 0.85 0.00	36.45 0.82 0.00	36.01 0.84 0.00	36.44 0.54 0.00	35.81 0.56 0.00	37.43 0.63 0.00	41.93 0.62 0.00	55.39 0.93 0.00	70.80 1.18 0.00	70.41 1.04 0.00	52.34 0.77 0.00	43.26 0.60 0.00	38.69 0.31 0.00	35.04 0.38 0.04
V_XM_10_SYNC_DSASP 323789	35.82 0.14 0.00	33.82 0.27 0.00	33.47 0.26 0.00	32.41 0.32 0.00	33.60 0.37 0.00	35.29 0.52 0.00	43.35 0.13 0.00	51.49 -0.62 0.00	47.27 -0.33 0.00	37.86 0.08 0.00	36.75 -0.04 0.00	35.56 -0.07 0.00	34.96 -0.21 0.00	35.87 -0.04 0.00	35.28 0.04 0.00	36.95 0.15 0.00	41.61 0.29 0.00	54.79 0.33 0.00	70.31 0.70 0.00	70.34 0.97 0.00	51.93 0.36 0.00	43.34 0.68 0.00	38.92 0.54 0.00	35.16 0.45 0.00
W.BABYLN_69_KV_BK1 56697	38.21 2.53 0.00	36.00 2.45 0.00	35.34 2.13 0.00	34.21 2.12 0.00	35.56 2.33 0.00	38.38 2.82 -0.80	46.76 3.54 0.00	55.08 2.97 0.00	49.88 2.28 0.00	41.23 3.44 0.00	40.29 3.49 -0.01	39.14 3.49 -0.01	38.56 3.38 -0.02	39.98 3.12 -0.96	40.36 3.07 -2.04	40.80 3.09 -0.91	43.87 2.56 0.00	56.97 2.51 0.00	70.74 2.02 0.90	71.58 2.22 0.00	53.58 2.01 0.00	44.71 2.05 0.00	40.96 2.57 0.00	37.44 2.64 -0.10
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	37.21 1.53 0.00	34.96 1.41 0.00	34.51 1.30 0.00	33.34 1.25 0.00	34.56 1.33 0.00	36.40 1.63 0.00	45.94 2.72 0.00	55.71 3.60 0.00	50.64 3.05 0.00	40.43 2.65 0.00	39.51 2.72 0.00	38.38 2.74 0.00	37.84 2.67 0.00	38.31 2.41 0.00	37.54 2.29 0.00	39.12 2.32 0.00	43.79 2.48 0.00	57.35 2.89 0.00	73.17 3.55 0.00	72.83 3.47 0.00	53.99 2.42 0.00	44.62 1.96 0.00	40.08 1.69 0.00	36.31 1.53 -0.08
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	37.39 1.71 0.00	35.16 1.61 0.00	34.67 1.46 0.00	33.50 1.41 0.00	34.73 1.50 0.00	36.47 1.70 0.00	45.90 2.68 0.00	55.71 3.60 0.00	50.64 3.05 0.00	40.67 2.87 -0.01	39.74 2.94 -0.01	38.60 2.96 -0.01	38.14 2.92 -0.06	38.53 2.62 -0.01	37.88 2.57 -0.06	39.43 2.61 -0.01	44.13 2.81 -0.01	57.57 3.10 0.00	73.31 3.69 0.00	72.97 3.61 0.00	54.10 2.53 0.00	44.71 2.05 0.00	40.23 1.84 0.00	36.54 1.74 -0.10
W50THST__13_KV_LOAD 356117	37.50 1.82 0.00	35.26 1.71 0.00	34.77 1.56 0.00	33.60 1.51 0.00	34.82 1.60 0.00	36.61 1.84 0.00	46.12 2.90 0.00	55.97 3.86 0.00	50.88 3.28 0.00	40.85 3.06 -0.01	39.92 3.13 -0.01	38.78 3.14 -0.01	38.32 3.09 -0.06	38.75 2.84 -0.01	38.05 2.75 -0.06	39.61 2.80 -0.01	44.38 3.06 -0.01	57.84 3.38 0.00	73.65 4.04 0.00	73.25 3.88 0.00	54.36 2.78 0.00	44.92 2.26 0.00	40.38 2.00 0.00	36.68 1.87 -0.10
WADING RIVER_IC_1 23522	37.50 1.82 0.00	35.26 1.71 0.00	34.64 1.43 0.00	33.57 1.48 0.00	34.92 1.69 0.00	37.76 2.19 -0.80	45.47 2.25 0.00	53.78 1.67 0.00	48.60 1.00 0.00	40.39 2.61 0.00	39.30 2.50 -0.01	38.32 2.67 -0.01	37.71 2.53 -0.01	39.04 2.30 -0.84	39.22 2.19 -1.78	39.81 2.21 -0.79	43.01 1.69 0.00	55.77 1.30 0.00	68.88 -0.07 0.67	69.50 0.14 0.00	52.14 0.57 0.00	43.60 0.94 0.00	40.15 1.77 0.00	36.47 1.67 -0.10
WADING RIVER_IC_2 23547	37.50 1.82 0.00	35.26 1.71 0.00	34.64 1.43 0.00	33.57 1.48 0.00	34.92 1.69 0.00	37.76 2.19 -0.80	45.47 2.25 0.00	53.78 1.67 0.00	48.60 1.00 0.00	40.39 2.61 0.00	39.30 2.50 -0.01	38.32 2.67 -0.01	37.71 2.53 -0.01	39.04 2.30 -0.84	39.22 2.19 -1.78	39.81 2.21 -0.79	43.01 1.69 0.00	55.77 1.30 0.00	68.88 -0.07 0.67	69.50 0.14 0.00	52.14 0.57 0.00	43.60 0.94 0.00	40.15 1.77 0.00	36.47 1.67 -0.10
WADING RIVER_IC_3 23601	37.50 1.82 0.00	35.26 1.71 0.00	34.64 1.43 0.00	33.57 1.48 0.00	34.92 1.69 0.00	37.76 2.19 -0.80	45.47 2.25 0.00	53.78 1.67 0.00	48.60 1.00 0.00	40.39 2.61 0.00	39.30 2.50 -0.01	38.32 2.67 -0.01	37.71 2.53 -0.01	39.04 2.30 -0.84	39.22 2.19 -1.78	39.81 2.21 -0.79	43.01 1.69 0.00	55.77 1.30 0.00	68.88 -0.07 0.67	69.50 0.14 0.00	52.14 0.57 0.00	43.60 0.94 0.00	40.15 1.77 0.00	36.47 1.67 -0.10
WALDENNY_12_KV_BK2 80841	35.86 0.18 0.00	33.75 0.20 0.00	33.34 0.13 0.00	32.32 0.22 0.00	33.33 0.10 0.00	35.18 0.42 0.00	44.08 0.86 0.00	56.54 0.31 -4.11	52.96 1.43 -3.94	41.93 1.02 -3.12	40.74 0.92 -3.04	36.28 0.64 0.00	35.80 0.63 0.00	36.08 0.18 0.00	35.11 -0.14 0.00	36.18 -0.63 0.00	40.12 -1.20 0.00	51.90 -2.56 0.00	67.04 -2.58 0.00	67.08 -2.29 0.00	50.02 -1.55 0.00	41.46 -1.19 0.00	38.66 0.27 0.00	35.02 0.31 0.00
WALDEN___HYDRO 24148	37.11 1.43 0.00	34.89 1.34 0.00	34.44 1.23 0.00	33.28 1.19 0.00	34.49 1.26 0.00	36.19 1.43 0.00	45.64 2.42 0.00	55.29 3.18 0.00	50.21 2.62 0.00	40.02 2.23 0.00	39.10 2.32 0.00	37.95 2.32 0.00	37.42 2.25 0.00	37.91 2.01 0.00	37.19 1.94 0.00	38.75 1.95 0.00	43.55 2.23 0.00	57.13 2.67 0.00	72.96 3.34 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.49 1.83 0.00	39.96 1.57 0.00	36.25 1.46 -0.08
WARRENSBURG____ 23737	36.32 0.64 0.00	34.19 0.64 0.00	33.84 0.63 0.00	32.77 0.67 0.00	33.93 0.70 0.00	35.43 0.66 0.00	44.60 1.38 0.00	53.78 1.67 0.00	48.69 1.09 0.00	38.54 0.76 0.00	37.30 0.52 0.00	36.13 0.50 0.00	35.59 0.42 0.00	36.12 0.22 0.00	35.32 0.07 0.00	37.14 0.33 0.00	41.77 0.45 0.00	55.55 1.09 0.00	71.43 1.81 0.00	71.03 1.66 0.00	52.76 1.19 0.00	43.55 0.90 0.00	38.96 0.58 0.00	35.12 0.45 0.04
WATERSIDE___6 8 9 23538	37.57 1.89 0.00	35.34 1.78 -0.01	34.84 1.63 -0.01	33.67 1.57 -0.01	34.90 1.66 -0.01	36.64 1.88 0.00	45.81 2.59 0.00	55.60 3.49 0.00	50.55 2.95 0.00	40.67 2.87 -0.01	39.75 2.94 -0.02	38.64 2.99 -0.02	38.14 2.88 -0.09	38.57 2.66 -0.02	37.91 2.57 -0.09	39.47 2.65 -0.02	44.14 2.81 -0.02	57.40 2.94 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.66 2.00 0.00	40.27 1.88 0.00	36.72 1.91 -0.11
WATKINRD_115KV_LN8_ILLION 55919	36.68 1.00 0.00	34.49 0.94 0.00	34.11 0.90 0.00	32.96 0.87 0.00	34.13 0.90 0.00	35.71 0.94 0.00	44.56 1.34 0.00	53.83 1.72 0.00	49.12 1.52 0.00	38.88 1.10 0.00	37.93 1.14 0.00	36.70 1.07 0.00	36.22 1.05 0.00	36.80 0.90 0.00	36.06 0.81 0.00	37.65 0.85 0.00	42.27 0.95 0.00	55.77 1.31 0.00	71.43 1.81 0.00	71.24 1.87 0.00	52.96 1.39 0.00	43.77 1.11 0.00	39.39 1.00 0.00	35.61 0.90 0.00



WDELAWARE___HYD 323627	37.39 1.71 0.00	35.16 1.61 0.00	34.71 1.50 0.00	33.54 1.45 0.00	34.76 1.53 0.00	36.44 1.67 0.00	45.94 2.72 0.00	55.76 3.65 0.00	50.69 3.09 0.00	40.21 2.42 0.00	39.14 2.36 0.00	38.06 2.42 0.00	37.52 2.36 0.00	37.95 2.05 0.00	37.26 2.01 0.00	38.86 2.06 0.00	43.79 2.48 0.00	57.68 3.21 0.00	73.65 4.04 0.00	73.53 4.16 0.00	54.51 2.94 0.00	44.92 2.26 0.00	40.31 1.92 0.00	36.44 1.67 -0.07
WEST BABYLON___IC 23714	38.21 2.53 0.00	36.00 2.45 0.00	35.34 2.13 0.00	34.21 2.12 0.00	35.56 2.33 0.00	38.38 2.82 -0.80	46.76 3.54 0.00	55.08 2.97 0.00	49.88 2.28 0.00	41.23 3.44 0.00	40.29 3.49 -0.01	39.14 3.49 -0.01	38.56 3.38 -0.02	39.98 3.12 -0.96	40.36 3.07 -2.04	40.80 3.09 -0.91	43.87 2.56 0.00	56.97 2.51 0.00	70.74 2.02 0.90	71.58 2.22 0.00	53.58 2.01 0.00	44.71 2.05 0.00	40.96 2.57 0.00	37.44 2.64 -0.10
WEST CANADA___HYD 24049	35.79 0.11 0.00	33.65 0.10 0.00	33.31 0.10 0.00	32.19 0.10 0.00	33.33 0.10 0.00	34.87 0.10 0.00	43.52 0.30 0.00	52.53 0.41 0.00	47.93 0.34 0.00	38.02 0.23 0.00	37.01 0.22 0.00	35.89 0.25 0.00	35.41 0.25 0.00	36.05 0.14 0.00	35.36 0.11 0.00	36.91 0.11 0.00	41.44 0.12 0.00	54.63 0.16 0.00	69.83 0.21 0.00	69.57 0.21 0.00	51.78 0.21 0.00	42.79 0.13 0.00	38.46 0.08 0.00	34.78 0.07 0.00
WESTERN_NY_WIND 24143	36.25 0.57 0.00	34.15 0.60 0.00	33.68 0.46 0.00	32.64 0.55 0.00	33.66 0.43 0.00	35.46 0.70 0.00	44.39 1.17 0.00	57.28 0.21 -4.96	53.68 1.33 -4.76	42.43 0.87 -3.77	41.12 0.66 -3.67	36.42 0.78 0.00	35.94 0.77 0.00	36.26 0.36 0.00	35.32 0.07 0.00	36.47 -0.33 0.00	40.57 -0.74 0.00	52.72 -1.74 0.00	68.09 -1.53 0.00	68.26 -1.11 0.00	50.90 -0.67 0.00	42.15 -0.51 0.00	39.08 0.69 0.00	35.37 0.66 0.00
WESTOVER___LESR 323668	35.96 0.29 0.00	33.75 0.20 0.00	33.41 0.20 0.00	32.32 0.22 0.00	33.46 0.23 0.00	35.15 0.38 0.00	44.21 0.99 0.00	52.43 1.41 1.09	48.03 1.48 1.05	37.98 1.02 0.83	36.97 0.99 0.81	36.31 0.68 0.00	35.80 0.63 0.00	36.22 0.32 0.00	35.39 0.14 0.00	36.80 0.00 0.00	41.31 0.00 0.00	54.35 -0.11 0.00	69.90 0.28 0.00	69.78 0.42 0.00	51.78 0.21 0.00	42.74 0.09 0.00	38.73 0.35 0.00	35.06 0.35 -0.01
WETHRSFD_WT_PWR 323626	35.64 -0.04 0.00	33.52 -0.03 0.00	33.11 -0.10 0.00	32.12 0.03 0.00	33.13 -0.10 0.00	35.19 0.42 0.00	44.39 1.17 0.00	55.74 0.47 -3.16	51.82 1.19 -3.03	40.91 0.72 -2.40	40.01 0.88 -2.34	35.89 0.25 0.00	35.38 0.21 0.00	35.58 -0.32 0.00	34.65 -0.60 0.00	35.77 -1.03 0.00	39.79 -1.53 0.00	51.74 -2.72 0.00	67.46 -2.16 0.00	67.42 -1.94 0.00	50.23 -1.34 0.00	41.68 -0.98 0.00	38.46 0.08 0.00	35.40 0.69 0.00
WHAVSTOR_138KV_BK127 55557	37.03 1.36 0.00	34.83 1.27 0.00	34.34 1.13 0.00	33.21 1.12 0.00	34.43 1.20 0.00	36.16 1.39 0.00	45.55 2.33 0.00	55.19 3.07 0.00	50.12 2.52 0.00	40.13 2.34 0.00	39.21 2.43 0.00	38.09 2.46 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.30 2.04 0.00	38.87 2.06 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.85 1.46 0.00	36.18 1.39 -0.08
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	37.03 1.36 0.00	34.83 1.27 0.00	34.34 1.13 0.00	33.21 1.12 0.00	34.43 1.20 0.00	36.16 1.39 0.00	45.55 2.33 0.00	55.19 3.07 0.00	50.12 2.52 0.00	40.13 2.34 0.00	39.21 2.43 0.00	38.09 2.46 0.00	37.56 2.39 0.00	38.02 2.12 0.00	37.30 2.04 0.00	38.87 2.06 0.00	43.59 2.27 0.00	57.02 2.56 0.00	72.75 3.13 0.00	72.42 3.05 0.00	53.69 2.11 0.00	44.41 1.75 0.00	39.85 1.46 0.00	36.18 1.39 -0.08
WHITEHAL_115KV_TB1 80871	36.82 1.14 0.00	34.62 1.07 0.00	34.27 1.06 0.00	33.18 1.09 0.00	34.36 1.13 0.00	35.95 1.18 0.00	45.34 2.12 0.00	54.61 2.50 0.00	49.41 1.81 0.00	38.96 1.17 0.00	37.60 0.81 0.00	36.42 0.78 0.00	35.83 0.67 0.00	36.33 0.43 0.00	35.53 0.28 0.00	37.47 0.66 0.00	42.14 0.83 0.00	56.31 1.85 0.00	72.54 2.92 0.00	72.28 2.91 0.00	53.58 2.01 0.00	44.19 1.54 0.00	39.46 1.07 0.00	35.57 0.90 0.04
WHITEPLN_13_KV_LOAD 356215	37.43 1.75 0.00	35.19 1.64 0.00	34.67 1.46 0.00	33.54 1.44 0.00	34.73 1.50 0.00	36.51 1.74 0.00	45.99 2.77 0.00	55.76 3.65 0.00	50.64 3.05 0.00	40.58 2.80 0.00	39.69 2.91 0.00	38.56 2.92 0.00	37.98 2.81 0.00	38.45 2.55 0.00	37.72 2.47 0.00	39.34 2.54 0.00	44.12 2.81 0.00	57.68 3.21 0.00	73.52 3.90 0.00	73.18 3.82 0.00	54.25 2.68 0.00	44.83 2.18 0.00	40.27 1.88 0.00	36.57 1.77 -0.09
WM_FLOYD_69_KV_BK2 356380	37.82 2.14 0.00	35.60 2.05 0.00	34.94 1.73 0.00	33.86 1.77 0.00	35.19 1.96 0.00	38.11 2.54 -0.80	46.25 3.03 0.00	54.09 1.98 0.00	49.02 1.43 0.00	40.66 2.87 0.00	39.74 2.94 -0.01	38.57 2.92 -0.01	37.99 2.81 -0.01	39.33 2.58 -0.84	39.50 2.47 -1.79	40.10 2.50 -0.80	43.21 1.90 0.00	56.04 1.58 0.00	69.47 0.56 0.71	70.20 0.83 0.00	52.70 1.13 0.00	44.28 1.62 0.00	40.50 2.11 0.00	37.06 2.26 -0.10
WOODARD___115KV_TB2 355635	35.29 -0.39 0.00	33.15 -0.40 0.00	32.78 -0.43 0.00	31.67 -0.42 0.00	32.80 -0.43 0.00	34.42 -0.35 0.00	43.00 -0.22 0.00	55.49 -0.21 -3.59	50.94 -0.10 -3.44	40.36 -0.15 -2.73	39.33 -0.11 -2.66	35.49 -0.14 0.00	34.99 -0.18 0.00	35.54 -0.36 0.00	34.79 -0.46 0.00	36.29 -0.52 0.00	40.74 -0.58 0.00	53.59 -0.87 0.00	68.71 -0.91 0.00	68.53 -0.83 0.00	50.95 -0.62 0.00	42.10 -0.55 0.00	38.04 -0.35 0.00	34.36 -0.35 0.00
WOODMERE_69_KV_BK1 55827	38.21 2.53 0.00	36.00 2.45 0.00	35.34 2.13 0.00	34.21 2.12 0.00	35.52 2.29 0.00	38.17 2.61 -0.80	46.68 3.46 0.00	55.45 3.34 0.00	50.26 2.67 0.00	41.23 3.44 0.00	40.33 3.53 -0.02	39.14 3.49 -0.02	38.64 3.45 -0.02	40.40 3.12 -1.37	41.20 3.03 -2.92	41.16 3.05 -1.30	44.25 2.93 0.00	57.62 3.16 0.00	72.63 3.13 0.12	72.42 3.05 0.00	54.05 2.48 0.00	44.96 2.30 0.00	40.88 2.50 0.00	37.34 2.53 -0.10
YORK___WARBASSE 23770	37.68 2.00 0.00	35.47 1.91 -0.01	34.94 1.73 -0.01	33.80 1.70 -0.01	35.03 1.79 -0.01	36.75 1.98 0.00	45.73 2.51 0.00	55.50 3.39 0.00	50.41 2.81 0.00	40.52 2.72 -0.01	39.67 2.87 -0.02	38.61 2.96 -0.02	38.03 2.78 -0.09	38.54 2.62 -0.02	37.77 2.43 -0.09	39.43 2.61 -0.02	44.10 2.77 -0.02	57.46 3.00 0.00	73.03 3.41 0.00	72.69 3.33 0.00	53.89 2.32 0.00	44.62 1.96 0.00	40.31 1.92 0.00	36.83 2.01 -0.11