

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$																			--- Marginal Cost of Losses																			--- Marginal Cost of Congestion																			06/26/2025		
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	55.52	53.03	50.82	48.55	46.63	47.96	50.35	51.02	52.82	54.69	52.46	53.61	55.12	58.34	58.07	59.16	61.74	64.96	61.32	60.37	54.66	50.40	44.70	40.38																																				
		4.40	4.06	3.76	3.55	3.45	3.55	3.99	5.26	5.36	5.11	4.60	4.74	4.87	5.06	5.66	5.91	5.61	5.91	4.96	4.58	4.79	4.29	3.69	3.74																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
74TH STREET_GT_1	24260	55.62	53.08	50.87	48.59	46.71	48.00	50.35	50.97	52.77	54.64	52.42	53.51	55.07	58.28	57.96	59.11	61.63	64.84	61.21	60.37	54.71	50.45	44.74	40.46																																				
		4.50	4.11	3.81	3.60	3.54	3.60	3.99	5.22	5.32	5.06	4.55	4.64	4.82	5.01	5.56	5.86	5.50	5.79	4.85	4.58	4.84	4.33	3.73	3.81																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
74TH STREET_GT_2	24261	55.62	53.08	50.87	48.59	46.71	48.00	50.35	50.97	52.77	54.64	52.42	53.51	55.07	58.28	57.96	59.11	61.63	64.84	61.21	60.37	54.71	50.45	44.74	40.46																																				
		4.50	4.11	3.81	3.60	3.54	3.60	3.99	5.22	5.32	5.06	4.55	4.64	4.82	5.01	5.56	5.86	5.50	5.79	4.85	4.58	4.84	4.33	3.73	3.81																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
ADK HUDSON___FALLS	24011	54.09	51.71	49.55	47.11	45.33	46.67	48.63	48.55	50.26	52.06	49.73	50.87	52.01	54.93	54.50	55.60	58.32	61.65	59.12	58.53	52.66	48.56	43.06	38.70																																				
		2.96	2.74	2.49	2.11	2.16	2.26	2.27	2.79	2.80	2.48	1.87	2.00	1.76	1.65	2.10	2.34	2.19	2.60	2.76	2.73	2.79	2.44	2.05	2.05																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
ADK RESOURCE___RCVRY	23798	54.24	51.85	49.69	47.20	45.42	46.80	48.96	48.87	50.64	52.41	49.97	51.16	52.06	55.03	54.66	55.91	58.71	62.00	59.63	59.15	53.11	48.93	43.34	38.92																																				
		3.12	2.89	2.63	2.20	2.24	2.40	2.59	3.11	3.18	2.82	2.10	2.30	1.81	1.76	2.25	2.66	2.58	2.95	3.27	3.35	3.24	2.81	2.34	2.27																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
ADK S GLENS___FALLS	24028	54.09	51.71	49.55	47.11	45.33	46.67	48.63	48.55	50.26	52.06	49.73	50.87	52.01	54.93	54.50	55.60	58.32	61.65	59.12	58.53	52.66	48.56	43.06	38.70																																				
		2.96	2.74	2.49	2.11	2.16	2.26	2.27	2.79	2.80	2.48	1.87	2.00	1.76	1.65	2.10	2.34	2.19	2.60	2.76	2.73	2.79	2.44	2.05	2.05																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
ADK_NYS___DAM	23527	53.68	51.41	49.32	47.11	45.29	46.54	48.68	49.42	51.06	52.96	50.74	51.85	53.01	56.36	55.92	56.98	59.66	63.07	60.24	59.26	53.21	49.20	43.55	39.43																																				
		2.55	2.45	2.26	2.12	2.11	2.13	2.32	3.66	3.61	3.37	2.87	2.98	2.76	3.09	3.51	3.73	3.54	4.02	3.89	3.46	3.34	3.09	2.54	2.78																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
AIR_PRODUCTS___DRP	24190	51.89	49.70	47.76	45.58	43.78	45.07	47.10	46.72	48.17	49.98	48.15	49.11	50.45	53.38	52.88	53.89	56.52	59.58	56.58	55.97	50.32	46.58	41.42	37.27																																				
		0.77	0.73	0.71	0.58	0.60	0.67	0.74	0.96	0.71	0.40	0.29	0.24	0.20	0.11	0.47	0.64	0.39	0.53	0.23	0.17	0.45	0.46	0.41	0.62																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
AKWESSNE_115KV_BK	355683	50.40	48.33	46.54	44.59	42.79	43.83	45.71	45.25	47.13	49.39	47.68	48.67	49.85	52.96	51.67	52.45	55.34	57.99	55.46	55.18	49.17	45.84	40.88	36.13																																				
		-0.72	-0.64	-0.52	-0.40	-0.39	-0.58	-0.65	-0.50	-0.33	-0.20	-0.19	-0.20	-0.40	-0.32	-0.73	-0.80	-0.79	-1.06	-0.90	-0.61	-0.70	-0.28	-0.12	-0.51																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
ALBANY_1_SOLAR	323833	52.91	50.68	48.75	46.52	44.64	45.91	47.89	47.36	48.84	50.57	48.68	49.65	50.90	53.97	53.46	54.53	57.25	60.41	57.60	56.97	51.06	47.31	42.07	37.89																																				
		1.79	1.71	1.69	1.53	1.47	1.51	1.53	1.60	1.38	0.99	0.81	0.78	0.65	0.69	1.05	1.28	1.12	1.36	1.24	1.17	1.19	1.20	1.06	1.25																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
ALBANY_2_SOLAR	323834	52.91	50.68	48.75	46.48	44.64	45.91	47.89	47.36	48.79	50.52	48.68	49.65	50.90	53.97	53.46	54.53	57.19	60.41	57.54	56.97	51.06	47.31	42.03	37.85																																				
		1.79	1.71	1.69	1.48	1.47	1.51	1.53	1.60	1.33	0.94	0.81	0.78	0.65	0.69	1.05	1.28	1.06	1.36	1.19	1.17	1.19	1.20	1.03	1.21																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				
ALBANY___1	23571	51.89	49.70	47.76	45.58	43.78	45.07	47.10	46.72	48.17	49.98	48.15	49.11	50.45	53.38	52.88	53.89	56.52	59.58	56.58	55.97	50.32	46.58	41.42	37.27																																				
		0.77	0.73	0.71	0.58	0.60	0.67	0.74	0.96	0.71	0.40	0.29	0.24	0.20	0.11	0.47	0.64	0.39	0.53	0.23	0.17	0.45	0.46	0.41	0.62																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																				



ALBANY___2 23572	51.89 0.77 0.00	49.70 0.73 0.00	47.76 0.71 0.00	45.58 0.58 0.00	43.78 0.60 0.00	45.07 0.67 0.00	47.10 0.74 0.00	46.72 0.96 0.00	48.17 0.71 0.00	49.98 0.40 0.00	48.15 0.29 0.00	49.11 0.24 0.00	50.45 0.20 0.00	53.38 0.11 0.00	52.88 0.47 0.00	53.89 0.64 0.00	56.52 0.39 0.00	59.58 0.53 0.00	56.58 0.23 0.00	55.97 0.17 0.00	50.32 0.45 0.00	46.58 0.46 0.00	41.42 0.41 0.00	37.27 0.62 0.00
ALBANY___3 23573	51.89 0.77 0.00	49.70 0.73 0.00	47.76 0.71 0.00	45.58 0.58 0.00	43.78 0.60 0.00	45.07 0.67 0.00	47.10 0.74 0.00	46.72 0.96 0.00	48.17 0.71 0.00	49.98 0.40 0.00	48.15 0.29 0.00	49.11 0.24 0.00	50.45 0.20 0.00	53.38 0.11 0.00	52.88 0.47 0.00	53.89 0.64 0.00	56.52 0.39 0.00	59.58 0.53 0.00	56.58 0.23 0.00	55.97 0.17 0.00	50.32 0.45 0.00	46.58 0.46 0.00	41.42 0.41 0.00	37.27 0.62 0.00
ALBANY___4 23574	51.89 0.77 0.00	49.70 0.73 0.00	47.76 0.71 0.00	45.58 0.58 0.00	43.78 0.60 0.00	45.07 0.67 0.00	47.10 0.74 0.00	46.72 0.96 0.00	48.17 0.71 0.00	49.98 0.40 0.00	48.15 0.29 0.00	49.11 0.24 0.00	50.45 0.20 0.00	53.38 0.11 0.00	52.88 0.47 0.00	53.89 0.64 0.00	56.52 0.39 0.00	59.58 0.53 0.00	56.58 0.23 0.00	55.97 0.17 0.00	50.32 0.45 0.00	46.58 0.46 0.00	41.42 0.41 0.00	37.27 0.62 0.00
ALBANY___LFGE 323615	52.45 1.33 0.00	50.24 1.27 0.00	48.28 1.22 0.00	46.07 1.08 0.00	44.25 1.08 0.00	45.56 1.15 0.00	47.57 1.20 0.00	47.22 1.46 0.00	48.74 1.28 0.00	50.52 0.94 0.00	48.68 0.81 0.00	49.75 0.88 0.00	50.95 0.70 0.00	54.02 0.75 0.00	53.51 1.10 0.00	54.58 1.33 0.00	57.19 1.06 0.00	60.23 1.18 0.00	57.32 0.96 0.00	56.64 0.84 0.00	50.77 0.90 0.00	46.99 0.87 0.00	41.79 0.78 0.00	37.64 0.99 0.00
ALCOA_PA_115KV_PL-6C 55860	50.56 -0.56 0.00	48.48 -0.49 0.00	46.68 -0.38 0.00	44.72 -0.27 0.00	42.96 -0.22 0.00	44.00 -0.40 0.00	45.90 -0.46 0.00	45.44 -0.32 0.00	47.27 -0.19 0.00	49.53 -0.05 0.00	47.82 -0.05 0.00	48.82 -0.05 0.00	50.00 -0.25 0.00	53.12 -0.16 0.00	51.83 -0.58 0.00	52.61 -0.64 0.00	55.40 -0.73 0.00	58.11 -0.94 0.00	55.51 -0.85 0.00	55.30 -0.50 0.00	49.37 -0.50 0.00	46.02 -0.09 0.00	41.09 0.08 0.00	36.28 -0.37 0.00
ALCOA_RYNLDS___DRP 24188	50.56 -0.56 0.00	48.48 -0.49 0.00	46.68 -0.38 0.00	44.72 -0.27 0.00	42.96 -0.22 0.00	44.00 -0.40 0.00	45.90 -0.46 0.00	45.44 -0.32 0.00	47.27 -0.19 0.00	49.53 -0.05 0.00	47.82 -0.05 0.00	48.82 -0.05 0.00	50.00 -0.25 0.00	53.12 -0.16 0.00	51.83 -0.58 0.00	52.61 -0.64 0.00	55.40 -0.73 0.00	58.11 -0.94 0.00	55.51 -0.85 0.00	55.30 -0.50 0.00	49.37 -0.50 0.00	46.02 -0.09 0.00	41.09 0.08 0.00	36.28 -0.37 0.00
ALCOA___DSASP 323711	50.56 -0.56 0.00	48.52 -0.44 0.00	46.68 -0.38 0.00	44.72 -0.27 0.00	42.96 -0.21 0.00	44.00 -0.40 0.00	45.90 -0.46 0.00	45.44 -0.32 0.00	47.27 -0.19 0.00	49.53 -0.05 0.00	47.82 -0.05 0.00	48.72 -0.15 0.00	50.00 -0.25 0.00	53.12 -0.16 0.00	51.94 -0.47 0.00	52.56 -0.69 0.00	55.40 -0.73 0.00	58.05 -1.00 0.00	55.45 -0.90 0.00	55.29 -0.50 0.00	49.32 -0.55 0.00	46.02 -0.09 0.00	41.09 0.08 0.00	36.28 -0.37 0.00
ALLEGHENY___COGEN 23514	52.55 1.43 0.00	49.89 0.93 0.00	47.53 0.47 0.00	45.17 0.18 0.00	43.09 -0.09 0.00	44.67 0.27 0.00	46.41 0.05 0.00	45.80 0.05 0.00	47.03 -0.43 0.00	48.74 -0.84 0.00	47.44 -0.43 0.00	48.08 -0.78 0.00	50.45 0.20 0.00	53.28 0.00 0.00	52.15 -0.26 0.00	53.47 0.21 0.00	56.52 0.40 0.00	59.99 0.94 0.00	57.54 1.19 0.00	57.58 1.79 0.00	52.16 2.30 0.00	49.07 2.95 0.00	43.18 2.17 0.00	38.96 2.31 0.00
ALTAMONT_115KV_TB 2 55880	52.55 1.43 0.00	50.34 1.37 0.00	48.37 1.32 0.00	46.25 1.26 0.00	44.38 1.21 0.00	45.69 1.29 0.00	47.71 1.34 0.00	47.31 1.56 0.00	48.83 1.38 0.00	50.72 1.14 0.00	48.87 1.01 0.00	49.89 1.03 0.00	51.26 1.00 0.00	54.29 1.01 0.00	53.72 1.31 0.00	54.74 1.49 0.00	57.42 1.29 0.00	60.53 1.48 0.00	57.54 1.18 0.00	56.91 1.12 0.00	51.12 1.25 0.00	47.27 1.15 0.00	41.95 0.94 0.00	37.71 1.06 0.00
ALTONA_WT_PWR 323606	50.25 -0.87 0.00	48.33 -0.64 0.00	46.40 -0.66 0.00	44.45 -0.54 0.00	42.74 -0.43 0.00	43.83 -0.58 0.00	45.81 -0.55 0.00	45.44 -0.32 0.00	47.32 -0.14 0.00	49.34 -0.25 0.00	47.87 0.00 0.00	48.53 -0.34 0.00	49.75 -0.50 0.00	52.91 -0.37 0.00	51.73 -0.68 0.00	52.46 -0.80 0.00	55.34 -0.79 0.00	58.05 -1.00 0.00	55.40 -0.96 0.00	55.24 -0.56 0.00	49.32 -0.55 0.00	46.35 0.23 0.00	41.21 0.21 0.00	36.43 -0.22 0.00
AMERICAN_REF_FUEL 24010	50.51 -0.61 0.00	48.08 -0.88 0.00	45.65 -1.41 0.00	43.46 -1.53 0.00	41.36 -1.81 0.00	42.85 -1.56 0.00	44.55 -1.81 0.00	43.61 -2.15 0.00	45.51 -1.95 0.00	47.65 -1.93 0.00	47.01 -0.86 0.00	47.74 -1.12 0.00	50.80 0.55 0.00	53.65 0.38 0.00	52.10 -0.31 0.00	52.40 -0.85 0.00	55.23 -0.90 0.00	58.58 -0.47 0.00	55.51 -0.84 0.00	54.85 -0.95 0.00	49.57 -0.30 0.00	44.92 -1.20 0.00	39.94 -1.07 0.00	36.35 -0.29 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	52.20 1.08 0.00	49.60 0.63 0.00	47.06 0.00 0.00	44.86 -0.13 0.00	42.70 -0.47 0.00	44.32 -0.09 0.00	46.18 -0.18 0.00	45.71 -0.05 0.00	47.88 0.43 0.00	50.18 0.60 0.00	49.21 1.34 0.00	50.23 1.37 0.00	53.47 3.22 0.00	56.53 3.25 0.00	55.03 2.62 0.00	55.54 2.29 0.00	58.26 2.13 0.00	61.83 2.78 0.00	58.67 2.31 0.00	57.97 2.17 0.00	52.26 2.39 0.00	47.36 1.25 0.00	41.58 0.57 0.00	37.74 1.10 0.00
ARTHUR KILL_GT_1 23520	55.32 4.19 -0.01	52.69 3.72 0.00	50.88 3.81 -0.01	48.78 3.78 -0.01	46.85 3.67 -0.01	48.00 3.60 0.00	50.12 3.76 0.00	50.42 4.67 0.00	51.96 4.51 0.01	52.45 4.21 1.35	51.64 3.78 0.01	52.72 3.86 0.01	54.26 4.02 0.01	56.70 4.10 0.68	57.17 4.77 0.01	56.85 5.01 1.40	59.03 4.60 1.70	57.31 4.72 6.46	56.01 3.89 4.24	56.08 3.57 3.29	53.95 4.09 0.01	50.27 4.15 0.00	44.99 3.98 -0.01	40.72 4.07 -0.01
ARTHUR_KILL_2 23512	55.01 3.88 -0.01	52.49 3.53 0.00	50.64 3.57 -0.01	48.55 3.55 -0.01	46.68 3.50 -0.01	47.82 3.42 0.00	49.93 3.57 0.00	50.15 4.39 0.00	51.72 4.27 0.01	52.24 4.01 1.35	51.40 3.54 0.01	52.57 3.71 0.01	53.86 3.62 0.01	56.48 3.89 0.68	56.91 4.51 0.01	56.59 4.74 1.40	58.75 4.32 1.70	57.02 4.43 6.46	55.90 3.78 4.24	55.80 3.29 3.29	53.45 3.59 0.01	49.85 3.73 0.00	44.75 3.73 -0.01	40.58 3.92 -0.01
ARTHUR_KILL_3 23513	54.75 3.63 0.00	52.33 3.38 0.01	50.21 3.15 0.00	47.96 2.97 0.00	46.11 2.94 0.00	47.37 2.98 0.01	49.74 3.38 0.00	50.38 4.62 0.00	52.16 4.70 0.00	52.55 4.31 1.35	51.74 3.88 0.00	52.82 3.96 0.00	54.17 3.92 0.00	56.76 4.16 0.67	57.12 4.72 0.00	56.81 4.95 1.40	59.04 4.60 1.69	57.44 4.84 6.45	56.24 4.11 4.23	56.24 3.74 3.30	53.81 3.94 0.00	49.81 3.69 0.00	44.17 3.16 0.00	40.05 3.41 0.00



ARTHUR_KILL_COGEN 323718	55.22 4.09 -0.01	52.68 3.72 0.00	50.83 3.77 -0.01	48.73 3.73 -0.01	46.85 3.67 -0.01	48.00 3.60 0.00	50.12 3.75 0.00	50.33 4.58 0.00	51.91 4.46 0.01	52.44 4.21 1.35	51.60 3.74 0.01	52.77 3.91 0.01	54.06 3.82 0.01	56.70 4.10 0.68	57.17 4.77 0.01	56.85 5.00 1.40	59.03 4.60 1.70	57.31 4.73 6.46	56.18 4.06 4.24	56.08 3.57 3.29	53.70 3.84 0.01	50.03 3.92 0.00	44.91 3.90 -0.01	40.72 4.07 -0.01
ASHOKAN____ 23654	53.78 2.66 0.00	51.46 2.50 0.00	49.22 2.17 0.00	46.88 1.89 0.00	44.94 1.77 0.00	46.23 1.82 0.00	48.17 1.81 0.00	47.95 2.20 0.00	49.22 1.76 0.00	50.72 1.14 0.00	48.92 1.05 0.00	49.94 1.07 0.00	51.05 0.80 0.00	54.24 0.96 0.00	53.77 1.36 0.00	55.01 1.75 0.00	57.58 1.46 0.00	60.88 1.83 0.00	57.93 1.58 0.00	57.25 1.45 0.00	51.36 1.49 0.00	47.50 1.38 0.00	42.32 1.31 0.00	38.33 1.69 0.00
ASTORIA_EAST_ENERGY_CC1 323581	55.47 4.34 -0.01	52.84 3.87 -0.01	50.74 3.67 -0.01	48.32 3.33 0.00	46.54 3.37 0.00	47.51 3.11 0.00	49.83 3.48 0.01	50.32 4.58 0.01	52.10 4.65 0.01	53.94 4.36 0.01	51.69 3.83 0.01	52.87 4.01 0.01	54.11 3.87 0.01	57.48 4.21 0.01	57.17 4.77 0.01	58.31 5.06 0.01	60.66 4.54 0.01	63.77 4.73 0.01	60.35 4.00 0.01	59.47 3.68 0.01	53.70 3.84 0.01	49.75 3.64 0.01	44.24 3.24 0.01	40.47 3.81 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	55.47 4.34 -0.01	52.84 3.87 -0.01	50.74 3.67 -0.01	48.32 3.33 0.00	46.54 3.37 0.00	47.51 3.11 0.00	49.83 3.48 0.01	50.32 4.58 0.01	52.10 4.65 0.01	53.94 4.36 0.01	51.69 3.83 0.01	52.87 4.01 0.01	54.11 3.87 0.01	57.48 4.21 0.01	57.17 4.77 0.01	58.31 5.06 0.01	60.66 4.54 0.01	63.77 4.73 0.01	60.35 4.00 0.01	59.47 3.68 0.01	53.70 3.84 0.01	49.75 3.64 0.01	44.24 3.24 0.01	40.47 3.81 -0.01
ASTORIA_GT2_1 24094	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT2_2 24095	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT2_3 24096	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT2_4 24097	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT3_1 24098	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT3_2 24099	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT3_3 24100	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT3_4 24101	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT4_1 24102	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT4_2 24103	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT4_3 24104	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01



ASTORIA_GT4_4 24105	55.63 4.50 -0.01	53.13 4.16 -0.01	50.83 3.76 -0.01	48.46 3.46 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	53.95 4.36 0.00	51.74 3.88 0.00	52.87 4.01 0.00	54.32 4.07 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.42 3.63 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.47 3.81 -0.01
ASTORIA_GT_1 23523	55.78 4.65 -0.01	53.23 4.26 -0.01	50.97 3.91 -0.01	48.55 3.55 0.00	46.67 3.50 0.00	47.65 3.24 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.25 4.79 0.00	54.10 4.51 0.00	51.89 4.02 0.00	53.02 4.15 0.00	54.47 4.22 0.00	57.64 4.37 0.00	57.39 4.98 0.00	58.52 5.27 0.00	60.90 4.77 0.00	63.95 4.90 0.00	60.42 4.06 0.00	59.59 3.79 0.00	54.11 4.24 0.00	50.08 3.97 0.00	44.45 3.44 0.00	40.54 3.88 -0.01
ASTORIA_GT_10 24110	55.37 4.24 -0.01	52.88 3.92 0.00	50.69 3.62 -0.01	48.37 3.37 0.00	46.50 3.32 0.00	47.65 3.24 0.00	50.02 3.66 0.00	50.61 4.85 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.52 4.27 0.00	57.70 4.42 0.00	57.44 5.03 0.00	58.52 5.27 0.00	60.95 4.83 0.00	64.01 4.96 0.00	60.47 4.11 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.03 3.92 0.00	44.45 3.44 0.00	40.36 3.70 -0.01
ASTORIA_GT_11 24225	55.37 4.24 -0.01	52.88 3.92 0.00	50.69 3.62 -0.01	48.37 3.37 0.00	46.50 3.32 0.00	47.65 3.24 0.00	50.02 3.66 0.00	50.61 4.85 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.52 4.27 0.00	57.70 4.42 0.00	57.44 5.03 0.00	58.52 5.27 0.00	60.95 4.83 0.00	64.01 4.96 0.00	60.47 4.11 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.03 3.92 0.00	44.45 3.44 0.00	40.36 3.70 -0.01
ASTORIA_GT_12 24226	55.37 4.24 -0.01	52.88 3.92 0.00	50.69 3.62 -0.01	48.37 3.37 0.00	46.50 3.32 0.00	47.65 3.24 0.00	50.02 3.66 0.00	50.61 4.85 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.52 4.27 0.00	57.70 4.42 0.00	57.44 5.03 0.00	58.52 5.27 0.00	60.95 4.83 0.00	64.01 4.96 0.00	60.47 4.11 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.03 3.92 0.00	44.45 3.44 0.00	40.36 3.70 -0.01
ASTORIA_GT_13 24227	55.37 4.24 -0.01	52.88 3.92 0.00	50.69 3.62 -0.01	48.37 3.37 0.00	46.50 3.32 0.00	47.65 3.24 0.00	50.02 3.66 0.00	50.61 4.85 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.52 4.27 0.00	57.70 4.42 0.00	57.44 5.03 0.00	58.52 5.27 0.00	60.95 4.83 0.00	64.01 4.96 0.00	60.47 4.11 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.03 3.92 0.00	44.45 3.44 0.00	40.36 3.70 -0.01
ASTORIA_GT_5 24106	55.78 4.65 -0.01	53.23 4.26 -0.01	50.97 3.91 -0.01	48.55 3.55 0.00	46.67 3.50 0.00	47.65 3.24 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.25 4.79 0.00	54.10 4.51 0.00	51.89 4.02 0.00	53.02 4.15 0.00	54.47 4.22 0.00	57.64 4.37 0.00	57.39 4.98 0.00	58.52 5.27 0.00	60.90 4.77 0.00	63.95 4.90 0.00	60.42 4.06 0.00	59.59 3.79 0.00	54.11 4.24 0.00	50.08 3.97 0.00	44.45 3.44 0.00	40.54 3.88 -0.01
ASTORIA_GT_7 24107	55.78 4.65 -0.01	53.23 4.26 -0.01	50.97 3.91 -0.01	48.55 3.55 0.00	46.67 3.50 0.00	47.65 3.24 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.25 4.79 0.00	54.10 4.51 0.00	51.89 4.02 0.00	53.02 4.15 0.00	54.47 4.22 0.00	57.64 4.37 0.00	57.39 4.98 0.00	58.52 5.27 0.00	60.90 4.77 0.00	63.95 4.90 0.00	60.42 4.06 0.00	59.59 3.79 0.00	54.11 4.24 0.00	50.08 3.97 0.00	44.45 3.44 0.00	40.54 3.88 -0.01
ASTORIA_GT_8 24108	55.78 4.65 -0.01	53.23 4.26 -0.01	50.97 3.91 -0.01	48.55 3.55 0.00	46.67 3.50 0.00	47.65 3.24 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.25 4.79 0.00	54.10 4.51 0.00	51.89 4.02 0.00	53.02 4.15 0.00	54.47 4.22 0.00	57.64 4.37 0.00	57.39 4.98 0.00	58.52 5.27 0.00	60.90 4.77 0.00	63.95 4.90 0.00	60.42 4.06 0.00	59.59 3.79 0.00	54.11 4.24 0.00	50.08 3.97 0.00	44.45 3.44 0.00	40.54 3.88 -0.01
ASTORIA___2 24149	55.53 4.40 -0.01	52.84 3.87 -0.01	50.74 3.67 -0.01	48.32 3.33 0.00	46.58 3.41 0.00	47.56 3.15 0.00	49.83 3.48 0.01	50.37 4.62 0.01	52.10 4.65 0.01	53.94 4.36 0.01	51.69 3.83 0.01	52.87 4.01 0.01	54.16 3.92 0.01	57.53 4.26 0.01	57.22 4.82 0.01	58.31 5.06 0.01	60.72 4.60 0.01	63.77 4.73 0.01	60.35 4.00 0.01	59.47 3.68 0.01	53.70 3.84 0.01	49.80 3.69 0.01	44.28 3.28 0.01	40.47 3.81 -0.01
ASTORIA___3 23516	55.27 4.14 -0.01	52.79 3.82 0.00	50.64 3.57 -0.01	48.32 3.33 0.00	46.50 3.32 0.00	47.64 3.24 0.00	50.02 3.66 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.14 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.37 4.12 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	60.89 4.77 0.00	64.01 4.96 0.00	60.59 4.23 0.00	59.70 3.90 0.00	53.91 4.04 0.00	49.90 3.78 0.00	44.37 3.36 0.00	40.35 3.70 -0.01
ASTORIA___4 23517	55.37 4.24 -0.01	52.88 3.92 0.00	50.69 3.62 -0.01	48.37 3.37 0.00	46.50 3.32 0.00	47.65 3.24 0.00	50.02 3.66 0.00	50.61 4.85 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.52 4.27 0.00	57.70 4.42 0.00	57.44 5.03 0.00	58.52 5.27 0.00	60.95 4.83 0.00	64.01 4.96 0.00	60.47 4.11 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.03 3.92 0.00	44.45 3.44 0.00	40.36 3.70 -0.01
ASTORIA___5 23518	55.27 4.14 -0.01	52.79 3.82 0.00	50.64 3.57 -0.01	48.32 3.33 0.00	46.50 3.32 0.00	47.64 3.24 0.00	50.02 3.66 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.14 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.37 4.12 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	60.89 4.77 0.00	64.01 4.96 0.00	60.59 4.23 0.00	59.70 3.90 0.00	53.91 4.04 0.00	49.90 3.78 0.00	44.37 3.36 0.00	40.35 3.70 -0.01
AST_ENERGY_2_CC3 323677	39.26 3.84 15.70	39.26 3.57 13.28	39.26 3.34 11.14	35.14 3.15 13.00	35.14 3.11 11.14	35.14 3.15 12.42	35.14 3.52 14.74	35.14 4.76 15.38	35.14 4.79 17.11	35.14 4.51 18.95	32.82 4.02 19.07	32.82 4.15 20.20	32.82 4.12 21.55	32.82 4.42 24.88	32.82 4.98 24.57	33.60 5.22 24.88	34.37 4.88 26.64	34.81 5.13 29.38	34.76 4.40 26.00	34.66 4.02 25.16	32.82 4.09 21.14	32.82 3.78 17.08	32.82 3.28 11.47	32.82 3.44 7.27
AST_ENERGY_2_CC4 323678	39.26 3.84 15.70	39.26 3.57 13.28	39.26 3.34 11.14	35.14 3.15 13.00	35.14 3.11 11.14	35.14 3.15 12.42	35.14 3.52 14.74	35.14 4.76 15.38	35.14 4.79 17.11	35.14 4.51 18.95	32.82 4.02 19.07	32.82 4.15 20.20	32.82 4.12 21.55	32.82 4.42 24.88	32.82 4.98 24.57	33.60 5.22 24.88	34.37 4.88 26.64	34.81 5.13 29.38	34.76 4.40 26.00	34.66 4.02 25.16	32.82 4.09 21.14	32.82 3.78 17.08	32.82 3.28 11.47	32.82 3.44 7.27



ATHENS_STG_1 23668	52.91 1.79 0.00	50.68 1.71 0.00	48.80 1.74 0.00	46.70 1.71 0.00	44.86 1.68 0.00	46.13 1.73 0.00	48.17 1.81 0.00	48.13 2.38 0.00	49.69 2.23 0.00	51.57 1.99 0.00	49.59 1.72 0.00	50.68 1.81 0.00	52.01 1.76 0.00	55.19 1.92 0.00	54.71 2.30 0.00	55.76 2.50 0.00	58.31 2.19 0.00	61.47 2.42 0.00	58.38 2.03 0.00	57.64 1.84 0.00	51.76 1.89 0.00	47.87 1.75 0.00	42.44 1.43 0.00	38.30 1.65 0.00
ATHENS_STG_2 23670	52.91 1.79 0.00	50.68 1.71 0.00	48.80 1.74 0.00	46.70 1.71 0.00	44.86 1.68 0.00	46.13 1.73 0.00	48.17 1.81 0.00	48.13 2.38 0.00	49.69 2.23 0.00	51.57 1.99 0.00	49.59 1.72 0.00	50.68 1.81 0.00	52.01 1.76 0.00	55.19 1.92 0.00	54.71 2.30 0.00	55.76 2.50 0.00	58.31 2.19 0.00	61.47 2.42 0.00	58.38 2.03 0.00	57.64 1.84 0.00	51.76 1.89 0.00	47.87 1.75 0.00	42.44 1.43 0.00	38.30 1.65 0.00
ATHENS_STG_3 23677	52.91 1.79 0.00	50.68 1.71 0.00	48.80 1.74 0.00	46.70 1.71 0.00	44.86 1.68 0.00	46.13 1.73 0.00	48.17 1.81 0.00	48.13 2.38 0.00	49.69 2.23 0.00	51.57 1.99 0.00	49.59 1.72 0.00	50.68 1.81 0.00	52.01 1.76 0.00	55.19 1.92 0.00	54.71 2.30 0.00	55.76 2.50 0.00	58.31 2.19 0.00	61.47 2.42 0.00	58.38 2.03 0.00	57.64 1.84 0.00	51.76 1.89 0.00	47.87 1.75 0.00	42.44 1.43 0.00	38.30 1.65 0.00
AUBURN___LFGE 323710	51.68 0.56 0.00	49.36 0.39 0.00	47.34 0.28 0.00	45.17 0.18 0.00	43.26 0.09 0.00	44.63 0.22 0.00	46.55 0.19 0.00	46.17 0.41 0.00	47.91 0.33 -0.12	49.98 0.40 0.00	48.44 0.57 0.00	49.40 0.54 0.00	50.90 0.65 0.00	54.02 0.75 0.00	53.19 0.79 0.00	54.10 0.85 0.00	57.19 1.07 0.00	60.35 1.30 0.00	57.60 1.24 0.00	56.97 1.17 0.00	50.97 1.10 0.00	46.85 0.74 0.00	41.46 0.45 0.00	37.27 0.62 0.00
BABYLON_RES_REC 323704	60.89 3.99 -5.78	53.18 4.21 0.00	51.16 4.09 -0.01	48.96 3.96 -0.01	47.16 3.97 -0.02	48.49 4.08 -0.01	50.68 4.31 -0.01	51.30 5.53 -0.01	52.63 5.17 0.00	53.95 4.36 0.00	50.55 2.82 0.14	51.75 3.03 0.15	53.18 3.12 0.19	56.59 3.62 0.31	56.86 4.45 0.00	58.23 4.63 -0.34	60.51 4.38 0.00	63.66 4.61 0.00	59.73 3.78 0.40	58.71 3.29 0.38	53.50 3.69 0.06	49.48 3.36 0.00	45.36 4.34 -0.01	43.75 4.54 -2.56
BALL_HILL_WT_PWR 323825	51.78 0.66 0.00	49.21 0.25 0.00	46.78 -0.28 0.00	44.59 -0.41 0.00	42.44 -0.73 0.00	44.00 -0.40 0.00	45.81 -0.55 0.00	45.21 -0.55 0.00	47.22 -0.24 0.00	49.44 -0.15 0.00	48.54 0.67 0.00	49.55 0.68 0.00	52.56 2.31 0.00	55.62 2.34 0.00	54.14 1.73 0.00	54.63 1.38 0.00	57.31 1.18 0.00	60.82 1.77 0.00	57.71 1.35 0.00	57.02 1.23 0.00	51.36 1.49 0.00	46.58 0.46 0.00	41.13 0.12 0.00	37.34 0.69 0.00
BARON_WINDS___WT_PWR 323822	51.94 0.82 0.00	49.45 0.49 0.00	47.20 0.14 0.00	44.99 0.00 0.00	42.96 -0.21 0.00	44.45 0.04 0.00	46.27 -0.09 0.00	46.26 0.50 0.00	47.98 0.52 0.00	50.08 0.50 0.00	48.73 0.86 0.00	49.65 0.78 0.00	52.01 1.76 0.00	55.09 1.81 0.00	53.98 1.57 0.00	54.74 1.49 0.00	57.02 0.90 0.00	60.47 1.41 0.00	57.66 1.30 0.00	57.19 1.40 0.00	51.51 1.64 0.00	47.08 0.97 0.00	41.50 0.49 0.00	37.52 0.88 0.00
BARRETT_IC_1 23704	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_10 23701	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_11 23702	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_12 23703	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_2 23705	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_3 23706	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_4 23707	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_5 23708	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56



BARRETT_IC_6 23709	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_7 23710	122.57 4.45 -67.00	53.22 4.26 0.00	51.06 4.00 0.00	48.82 3.82 0.00	46.90 3.71 -0.01	48.22 3.82 0.00	50.49 4.13 0.00	51.02 5.26 0.00	52.63 5.17 0.00	54.00 4.41 0.00	50.98 3.11 0.00	52.14 3.27 0.00	53.87 3.62 0.00	57.06 3.78 0.00	57.07 4.66 0.00	58.15 4.90 0.00	60.67 4.55 0.00	63.95 4.90 0.00	60.19 3.83 0.00	59.31 3.52 0.00	53.81 3.94 0.00	49.90 3.78 0.00	44.90 3.90 0.00	43.10 3.88 -2.56
BARRETT_IC_8 23711	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT_IC_9 23700	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT___1 23545	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BARRETT___2 23546	122.52 4.40 -67.00	53.18 4.21 -0.01	51.06 4.00 -0.01	48.82 3.82 -0.01	46.90 3.71 -0.01	48.23 3.82 -0.01	50.49 4.12 -0.01	51.02 5.26 -0.01	52.49 5.03 0.00	53.99 4.41 0.00	50.84 2.97 0.00	52.14 3.27 0.00	53.57 3.32 0.00	57.06 3.78 0.00	56.97 4.56 0.00	57.99 4.74 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.24 3.89 0.00	59.26 3.46 0.00	53.61 3.74 0.00	49.44 3.32 0.00	44.83 3.81 -0.01	43.09 3.88 -2.56
BATAVIA__115KV_TB1 55881	52.35 1.23 0.00	49.94 0.98 0.00	47.39 0.33 0.00	45.08 0.09 0.00	42.91 -0.26 0.00	44.49 0.09 0.00	46.27 -0.09 0.00	45.99 0.23 0.00	47.93 0.47 0.00	49.88 0.30 0.00	49.06 1.20 0.00	49.94 1.08 0.00	52.31 2.06 0.00	55.73 2.45 0.00	54.45 2.04 0.00	54.74 1.49 0.00	57.70 1.57 0.00	60.88 1.83 0.00	58.33 1.97 0.00	57.53 1.73 0.00	51.07 1.20 0.00	46.67 0.55 0.00	41.38 0.37 0.00	37.82 1.17 0.00
BAYONEEC___CTG1 323682	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BAYONEEC___CTG10 323750	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BAYONEEC___CTG2 323683	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BAYONEEC___CTG3 323684	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BAYONEEC___CTG4 323685	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BAYONEEC___CTG5 323686	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BAYONEEC___CTG6 323687	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BAYONEEC___CTG7 323688	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00



BAYONEEC___CTG8 323689	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BAYONEEC___CTG9 323749	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.25 5.20 0.00	60.76 4.40 0.00	59.82 4.02 0.00	54.01 4.14 0.00	49.99 3.87 0.00	44.33 3.32 0.00	40.16 3.52 0.00
BEACON___LESR 323632	52.71 1.59 0.00	50.43 1.47 0.00	48.47 1.41 0.00	46.21 1.22 0.00	44.38 1.21 0.00	45.74 1.33 0.00	47.80 1.44 0.00	47.40 1.64 0.00	48.93 1.47 0.00	50.72 1.14 0.00	48.87 1.01 0.00	49.89 1.03 0.00	51.10 0.85 0.00	54.18 0.90 0.00	53.66 1.26 0.00	54.80 1.55 0.00	57.42 1.29 0.00	60.58 1.53 0.00	57.60 1.24 0.00	56.91 1.12 0.00	51.02 1.15 0.00	47.27 1.15 0.00	41.99 0.98 0.00	37.78 1.14 0.00
BEAVER RIVER___HYD 24048	51.48 0.36 0.00	49.40 0.44 0.00	47.53 0.47 0.00	45.76 0.76 0.00	43.91 0.73 0.00	45.11 0.71 0.00	47.10 0.74 0.00	46.76 1.01 0.00	48.54 1.04 -0.04	50.43 0.84 0.00	48.44 0.58 0.00	49.50 0.63 0.00	50.70 0.45 0.00	53.75 0.48 0.00	52.88 0.47 0.00	53.84 0.59 0.00	56.63 0.50 0.00	59.35 0.30 0.00	56.64 0.28 0.00	56.30 0.50 0.00	50.62 0.75 0.00	46.67 0.56 0.00	41.50 0.49 0.00	36.90 0.26 0.00
BEEBEE_GT_13 23619	51.53 0.41 0.00	49.21 0.24 0.00	46.92 -0.14 0.00	44.68 -0.31 0.00	42.61 -0.56 0.00	44.05 -0.36 0.00	45.90 -0.46 0.00	45.35 -0.41 0.00	47.27 -0.19 0.00	49.39 -0.20 0.00	48.35 0.48 0.00	49.26 0.39 0.00	51.31 1.06 0.00	54.50 1.23 0.00	53.46 1.05 0.00	54.00 0.75 0.00	57.02 0.90 0.00	60.11 1.06 0.00	57.37 1.01 0.00	56.58 0.78 0.00	50.37 0.50 0.00	46.16 0.05 0.00	40.93 -0.08 0.00	37.12 0.48 0.00
BENSHRST_27_KV_BENSHRST_1 355998	55.93 4.81 -0.01	53.27 4.31 0.00	51.21 4.14 -0.01	48.91 3.91 -0.01	46.98 3.80 -0.01	48.13 3.73 0.00	50.40 4.03 0.00	50.84 5.08 0.00	52.54 5.08 0.00	54.44 4.86 0.00	52.22 4.36 0.00	53.41 4.54 0.00	54.92 4.67 0.00	58.12 4.85 0.00	57.86 5.45 0.00	58.95 5.70 0.00	61.40 5.28 0.00	64.48 5.43 0.00	60.92 4.57 0.00	60.04 4.24 0.00	54.51 4.64 0.00	50.50 4.38 0.00	45.03 4.02 -0.01	40.80 4.14 -0.01
BETHLEHEM___GRP 23843	51.89 0.77 0.00	49.70 0.73 0.00	47.76 0.71 0.00	45.58 0.58 0.00	43.78 0.60 0.00	45.07 0.67 0.00	47.10 0.74 0.00	46.72 0.96 0.00	48.17 0.71 0.00	49.98 0.40 0.00	48.15 0.29 0.00	49.11 0.24 0.00	50.45 0.20 0.00	53.38 0.11 0.00	52.88 0.47 0.00	53.89 0.64 0.00	56.52 0.39 0.00	59.58 0.53 0.00	56.58 0.23 0.00	55.97 0.17 0.00	50.32 0.45 0.00	46.58 0.46 0.00	41.42 0.41 0.00	37.27 0.62 0.00
BETHLEHEM___GS1 323560	51.84 0.72 0.00	49.65 0.69 0.00	47.76 0.71 0.00	45.58 0.58 0.00	43.78 0.60 0.00	45.07 0.67 0.00	47.10 0.74 0.00	46.72 0.96 0.00	48.17 0.71 0.00	49.98 0.39 0.00	48.16 0.29 0.00	49.11 0.25 0.00	50.35 0.10 0.00	53.44 0.16 0.00	52.88 0.47 0.00	53.94 0.69 0.00	56.52 0.40 0.00	59.58 0.53 0.00	56.64 0.28 0.00	55.97 0.17 0.00	50.22 0.35 0.00	46.53 0.41 0.00	41.38 0.37 0.00	37.27 0.62 0.00
BETHLEHEM___GS2 323561	51.84 0.72 0.00	49.65 0.69 0.00	47.76 0.71 0.00	45.58 0.58 0.00	43.78 0.60 0.00	45.07 0.67 0.00	47.10 0.74 0.00	46.72 0.96 0.00	48.17 0.71 0.00	49.98 0.39 0.00	48.16 0.29 0.00	49.11 0.25 0.00	50.35 0.10 0.00	53.44 0.16 0.00	52.88 0.47 0.00	53.94 0.69 0.00	56.52 0.40 0.00	59.58 0.53 0.00	56.64 0.28 0.00	55.97 0.17 0.00	50.22 0.35 0.00	46.53 0.41 0.00	41.38 0.37 0.00	37.27 0.62 0.00
BETHLEHEM___GS3 323562	51.84 0.72 0.00	49.65 0.69 0.00	47.76 0.71 0.00	45.58 0.58 0.00	43.78 0.60 0.00	45.07 0.67 0.00	47.10 0.74 0.00	46.72 0.96 0.00	48.17 0.71 0.00	49.98 0.39 0.00	48.16 0.29 0.00	49.11 0.25 0.00	50.35 0.10 0.00	53.44 0.16 0.00	52.88 0.47 0.00	53.94 0.69 0.00	56.52 0.40 0.00	59.58 0.53 0.00	56.64 0.28 0.00	55.97 0.17 0.00	50.22 0.35 0.00	46.53 0.41 0.00	41.38 0.37 0.00	37.27 0.62 0.00
BETHLEHEM___STEEL 23779	51.38 0.26 0.00	49.06 0.10 0.00	46.63 -0.42 0.00	44.45 -0.54 0.00	42.27 -0.91 0.00	43.83 -0.58 0.00	45.62 -0.74 0.00	44.89 -0.87 0.00	46.89 -0.57 0.00	49.09 -0.50 0.00	48.11 0.24 0.00	49.01 0.15 0.00	51.41 1.16 0.00	55.03 1.76 0.00	53.72 1.31 0.00	54.10 0.85 0.00	56.80 0.67 0.00	59.94 0.89 0.00	57.20 0.85 0.00	56.47 0.67 0.00	50.12 0.25 0.00	45.75 -0.37 0.00	40.60 -0.41 0.00	37.20 0.55 0.00
BETHLHEM_115KV_TB1 79974	52.04 0.92 0.00	49.85 0.88 0.00	47.90 0.85 0.00	45.76 0.76 0.00	43.95 0.78 0.00	45.20 0.80 0.00	47.24 0.88 0.00	46.86 1.10 0.00	48.31 0.85 0.00	50.13 0.55 0.00	48.30 0.43 0.00	49.31 0.44 0.00	50.60 0.35 0.00	53.60 0.32 0.00	53.09 0.68 0.00	54.10 0.85 0.00	56.69 0.56 0.00	59.76 0.71 0.00	56.81 0.45 0.00	56.13 0.33 0.00	50.47 0.60 0.00	46.71 0.60 0.00	41.50 0.49 0.00	37.34 0.70 0.00
BETHPAGE_CC_5 323564	62.89 4.19 -7.58	53.22 4.26 0.00	51.21 4.14 -0.01	48.96 3.96 -0.01	47.12 3.93 -0.01	48.45 4.04 -0.01	50.68 4.31 -0.01	51.25 5.49 -0.01	52.68 5.22 0.00	54.09 4.51 0.00	50.87 3.11 0.11	52.13 3.37 0.10	53.53 3.42 0.14	57.00 3.94 0.22	57.13 4.72 0.00	58.24 4.90 -0.09	60.78 4.66 0.00	64.13 5.08 0.00	60.07 4.00 0.29	59.04 3.52 0.27	53.72 3.89 0.04	49.62 3.50 0.00	45.08 4.06 -0.01	43.50 4.29 -2.56
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	51.48 0.36 0.00	49.11 0.15 0.00	46.68 -0.38 0.00	44.45 -0.54 0.00	42.31 -0.86 0.00	43.87 -0.53 0.00	45.67 -0.70 0.00	44.98 -0.78 0.00	46.98 -0.47 0.00	49.19 -0.40 0.00	48.20 0.34 0.00	49.11 0.24 0.00	51.51 1.26 0.00	55.19 1.92 0.00	53.88 1.47 0.00	54.26 1.01 0.00	56.97 0.84 0.00	60.06 1.00 0.00	57.37 1.01 0.00	56.58 0.78 0.00	50.22 0.35 0.00	45.84 -0.28 0.00	40.64 -0.37 0.00	37.23 0.59 0.00
BINGHAMTON___COGEN 23790	51.94 0.82 0.00	49.65 0.69 0.00	47.62 0.56 0.00	45.49 0.49 0.00	43.52 0.35 0.00	44.94 0.53 0.00	46.83 0.46 0.00	47.45 1.69 0.00	49.17 1.71 0.00	51.22 1.64 0.00	49.59 1.72 0.00	50.67 1.81 0.00	52.41 2.16 0.00	55.78 2.50 0.00	55.03 2.62 0.00	55.92 2.66 0.00	57.59 1.46 0.00	60.76 1.71 0.00	57.88 1.52 0.00	57.25 1.45 0.00	51.27 1.40 0.00	47.08 0.97 0.00	41.62 0.62 0.00	37.49 0.84 0.00



BIXINCNT_115KV_LOAD 355685	51.63 0.51 0.00	49.31 0.34 0.00	46.82 -0.24 0.00	44.59 -0.40 0.00	42.40 -0.78 0.00	44.00 -0.40 0.00	45.90 -0.46 0.00	45.39 -0.37 0.00	47.46 0.00 0.00	49.63 0.05 0.00	48.59 0.72 0.00	49.60 0.73 0.00	51.86 1.61 0.00	55.62 2.34 0.00	54.24 1.83 0.00	54.64 1.38 0.00	57.31 1.18 0.00	60.35 1.30 0.00	57.54 1.18 0.00	56.86 1.06 0.00	50.47 0.60 0.00	46.21 0.09 0.00	40.80 -0.21 0.00	37.38 0.73 0.00
BLACK RIVER___HYD 24047	52.20 1.08 0.00	50.04 1.08 0.00	48.00 0.94 0.00	46.07 1.08 0.00	44.17 0.99 0.00	45.43 1.02 0.00	47.38 1.02 0.00	47.04 1.28 0.00	48.82 1.28 -0.08	50.63 1.04 0.00	48.63 0.76 0.00	49.75 0.88 0.00	50.86 0.61 0.00	53.86 0.59 0.00	53.04 0.63 0.00	54.10 0.85 0.00	57.02 0.90 0.00	60.17 1.12 0.00	57.54 1.19 0.00	57.25 1.45 0.00	51.46 1.60 0.00	47.36 1.25 0.00	41.91 0.90 0.00	37.34 0.69 0.00
BLACKRVR_115KV_TB2 79977	52.09 0.97 0.00	50.04 1.08 0.00	48.00 0.94 0.00	46.07 1.08 0.00	44.17 0.99 0.00	45.43 1.02 0.00	47.38 1.02 0.00	47.04 1.28 0.00	48.85 1.28 -0.11	50.62 1.04 0.00	48.63 0.77 0.00	49.75 0.88 0.00	50.85 0.60 0.00	53.97 0.69 0.00	53.09 0.68 0.00	54.21 0.96 0.00	57.08 0.95 0.00	60.23 1.18 0.00	57.65 1.30 0.00	57.36 1.56 0.00	51.51 1.65 0.00	47.31 1.20 0.00	41.91 0.90 0.00	37.34 0.70 0.00
BLDWN_LI_69_KV_BK4 356085	79.30 5.01 -23.17	53.71 4.75 0.00	51.48 4.42 0.00	49.22 4.23 0.00	47.29 4.10 -0.01	48.62 4.22 0.00	50.91 4.54 0.00	51.48 5.72 0.00	53.11 5.65 0.00	54.44 4.86 0.00	51.51 3.64 0.00	52.68 3.81 0.00	54.47 4.22 0.00	57.75 4.48 0.00	57.75 5.35 0.00	58.84 5.59 0.00	61.40 5.28 0.00	64.78 5.73 0.00	60.98 4.62 0.00	60.09 4.30 0.00	54.51 4.64 0.00	50.40 4.29 0.00	45.35 4.35 0.00	43.50 4.29 -2.56
BLISS_WT_PWR 323608	51.84 0.72 0.00	49.26 0.30 0.00	46.82 -0.23 0.00	44.59 -0.41 0.00	42.35 -0.82 0.00	43.96 -0.44 0.00	45.90 -0.46 0.00	45.39 -0.37 0.00	47.46 0.00 0.00	49.68 0.10 0.00	48.73 0.86 0.00	49.79 0.93 0.00	52.66 2.41 0.00	55.78 2.50 0.00	54.24 1.83 0.00	54.69 1.44 0.00	57.31 1.18 0.00	60.76 1.71 0.00	57.49 1.13 0.00	56.80 1.01 0.00	51.16 1.29 0.00	46.58 0.46 0.00	41.05 0.04 0.00	37.34 0.69 0.00
BLUESTONE___WT_PWR 323821	54.29 3.17 0.00	51.85 2.89 0.00	49.74 2.68 0.00	47.47 2.47 0.00	45.42 2.24 0.00	46.80 2.40 0.00	48.77 2.41 0.00	49.46 3.70 0.00	51.21 3.75 0.00	53.20 3.62 0.00	51.32 3.45 0.00	52.63 3.76 0.00	54.32 4.07 0.00	57.54 4.26 0.00	56.76 4.35 0.00	57.99 4.74 0.00	59.83 3.70 0.00	63.48 4.43 0.00	60.36 4.00 0.00	59.65 3.85 0.00	53.51 3.64 0.00	48.83 2.72 0.00	42.98 1.97 0.00	38.59 1.94 0.00
BLUE_CIRC_CHEM_DRP 24182	52.55 1.43 0.00	50.38 1.42 0.00	48.47 1.41 0.00	46.25 1.26 0.00	44.43 1.25 0.00	45.69 1.29 0.00	47.66 1.30 0.00	47.18 1.42 0.00	48.65 1.19 0.00	50.48 0.89 0.00	48.59 0.72 0.00	49.60 0.73 0.00	50.90 0.65 0.00	53.92 0.64 0.00	53.40 1.00 0.00	54.42 1.17 0.00	57.08 0.95 0.00	60.23 1.18 0.00	57.32 0.96 0.00	56.69 0.89 0.00	50.92 1.05 0.00	47.13 1.01 0.00	41.87 0.86 0.00	37.67 1.03 0.00
BOC_GAS_DRP 24189	52.30 1.18 0.00	50.14 1.18 0.00	48.23 1.18 0.00	46.12 1.12 0.00	44.25 1.08 0.00	45.56 1.15 0.00	47.57 1.21 0.00	47.18 1.42 0.00	48.69 1.23 0.00	50.58 0.99 0.00	48.73 0.86 0.00	49.75 0.88 0.00	51.10 0.85 0.00	54.13 0.85 0.00	53.56 1.15 0.00	54.58 1.33 0.00	57.19 1.07 0.00	60.29 1.24 0.00	57.32 0.96 0.00	56.64 0.84 0.00	50.92 1.05 0.00	47.08 0.97 0.00	41.79 0.78 0.00	37.60 0.95 0.00
BOONVILLE_115KV_TB1 79983	52.19 1.07 0.00	50.04 1.08 0.00	48.09 1.04 0.00	46.12 1.12 0.00	44.21 1.04 0.00	45.47 1.07 0.00	47.47 1.11 0.00	47.18 1.42 0.00	48.96 1.47 -0.03	50.92 1.34 0.00	49.06 1.20 0.00	50.14 1.27 0.00	51.41 1.16 0.00	54.55 1.28 0.00	53.77 1.36 0.00	54.80 1.54 0.00	57.59 1.46 0.00	60.53 1.48 0.00	57.71 1.35 0.00	57.14 1.34 0.00	51.22 1.35 0.00	47.18 1.06 0.00	41.83 0.82 0.00	37.34 0.70 0.00
BORALEX_4TH_BRANCH 23824	53.73 2.61 0.00	51.41 2.45 0.00	49.32 2.26 0.00	47.11 2.11 0.00	45.29 2.12 0.00	46.54 2.13 0.00	48.68 2.32 0.00	49.42 3.66 0.00	51.02 3.56 0.00	52.96 3.37 0.00	50.79 2.92 0.00	51.80 2.93 0.00	53.21 2.96 0.00	56.31 3.04 0.00	55.92 3.51 0.00	56.98 3.73 0.00	59.66 3.54 0.00	63.13 4.07 0.00	60.19 3.83 0.00	59.26 3.46 0.00	53.41 3.54 0.00	49.34 3.23 0.00	43.63 2.62 0.00	39.43 2.79 0.00
BOWLINE___1 23526	54.14 3.02 0.00	51.80 2.84 0.00	49.69 2.63 0.00	47.51 2.52 0.00	45.63 2.46 0.00	46.93 2.53 0.00	49.14 2.78 0.00	49.69 3.94 0.00	51.35 3.89 0.00	53.20 3.62 0.00	51.08 3.21 0.00	52.29 3.42 0.00	53.67 3.42 0.00	57.06 3.78 0.00	56.65 4.24 0.00	57.78 4.52 0.00	60.34 4.21 0.00	63.54 4.49 0.00	60.19 3.83 0.00	59.32 3.52 0.00	53.41 3.54 0.00	49.29 3.18 0.00	43.67 2.66 0.00	39.54 2.89 0.00
BOWLINE___2 23595	54.08 2.96 0.00	51.71 2.74 0.00	49.64 2.59 0.00	47.42 2.43 0.00	45.59 2.42 0.00	46.89 2.49 0.00	49.10 2.73 0.00	49.64 3.89 0.00	51.30 3.84 0.00	53.16 3.57 0.00	50.98 3.11 0.00	52.24 3.37 0.00	53.57 3.32 0.00	56.95 3.67 0.00	56.55 4.14 0.00	57.67 4.42 0.00	60.22 4.10 0.00	63.48 4.43 0.00	60.14 3.78 0.00	59.20 3.40 0.00	53.31 3.44 0.00	49.20 3.09 0.00	43.63 2.63 0.00	39.51 2.86 0.00
BRADY___115KV_TB2 356060	50.92 -0.20 0.00	48.87 -0.10 0.00	47.01 -0.05 0.00	45.08 0.09 0.00	43.35 0.17 0.00	44.36 -0.04 0.00	46.22 -0.14 0.00	45.76 0.00 0.00	47.55 0.09 0.00	49.73 0.15 0.00	47.96 0.10 0.00	48.96 0.10 0.00	50.10 -0.15 0.00	53.22 -0.05 0.00	51.99 -0.42 0.00	52.72 -0.53 0.00	55.45 -0.67 0.00	58.22 -0.83 0.00	55.74 -0.62 0.00	55.69 -0.11 0.00	49.82 -0.05 0.00	46.44 0.32 0.00	41.46 0.45 0.00	36.54 -0.11 0.00
BRANSCOMB___SOLAR 323811	53.78 2.66 0.00	51.41 2.45 0.00	49.36 2.31 0.00	47.02 2.03 0.00	45.20 2.03 0.00	46.54 2.13 0.00	48.54 2.18 0.00	48.46 2.70 0.00	50.02 2.56 0.00	51.87 2.28 0.00	49.64 1.77 0.00	50.82 1.96 0.00	51.96 1.71 0.00	55.03 1.76 0.00	54.61 2.20 0.00	55.76 2.50 0.00	58.48 2.36 0.00	61.71 2.66 0.00	59.01 2.65 0.00	58.37 2.57 0.00	52.41 2.54 0.00	48.37 2.26 0.00	42.90 1.89 0.00	38.62 1.98 0.00
BRDGHMPT_69_KV_BK1 55812	60.16 6.59 -2.45	55.83 6.86 -0.01	53.17 6.12 0.00	50.71 5.71 0.00	49.24 6.04 -0.02	50.44 6.04 0.00	52.63 6.26 -0.01	53.36 7.60 -0.01	54.92 7.45 -0.01	56.19 6.59 -0.01	52.42 4.74 0.18	53.60 5.03 0.30	55.73 5.73 0.24	58.98 6.13 0.43	59.60 7.18 -0.01	65.92 7.40 -5.26	63.32 7.18 -0.01	66.85 7.79 0.00	62.14 6.31 0.53	61.10 5.80 0.50	55.76 5.98 0.09	51.05 4.93 0.00	45.76 4.76 0.00	44.56 5.35 -2.56



BRENTWOD_69_KV_W. BRTWOOD 56703	59.11 4.86 -3.13	54.06 5.09 0.00	51.95 4.89 0.00	49.76 4.77 0.00	48.07 4.88 -0.02	49.42 5.02 0.00	51.60 5.24 0.00	52.21 6.45 0.00	53.63 6.17 0.00	54.69 5.11 0.00	51.18 3.54 0.23	52.20 3.71 0.38	53.94 4.17 0.48	56.86 4.37 0.79	57.76 5.35 0.00	59.94 5.59 -1.10	61.40 5.28 0.00	64.81 5.73 -0.03	59.90 4.57 1.02	59.01 4.18 0.97	54.40 4.64 0.11	50.63 4.52 0.00	45.85 4.84 0.00	44.16 4.95 -2.56
BRISTLHL_115KV_TB1 79998	50.20 -0.92 0.00	48.08 -0.88 0.00	46.12 -0.94 0.00	44.05 -0.94 0.00	42.22 -0.95 0.00	43.52 -0.89 0.00	45.43 -0.93 0.00	44.70 -1.05 0.00	46.64 -1.09 -0.27	48.44 -1.14 0.00	46.86 -1.01 0.00	47.79 -1.08 0.00	49.19 -1.06 0.00	52.21 -1.07 0.00	51.41 -1.00 0.00	52.29 -0.96 0.00	55.51 -0.62 0.00	58.40 -0.65 0.00	55.74 -0.62 0.00	55.13 -0.67 0.00	49.32 -0.55 0.00	45.38 -0.74 0.00	40.27 -0.74 0.00	36.17 -0.48 0.00
BROOKHAVEN___DRP 24191	58.16 4.60 -2.44	54.02 5.04 -0.01	51.67 4.61 0.00	49.45 4.45 0.00	48.16 4.96 -0.02	49.51 5.11 0.00	51.70 5.33 -0.01	52.31 6.54 -0.01	53.69 6.22 -0.01	54.85 5.26 -0.01	51.33 3.64 0.18	52.43 3.86 0.29	54.33 4.32 0.24	57.39 4.53 0.42	57.92 5.50 -0.01	64.18 5.70 -5.23	61.58 5.44 -0.01	64.90 5.85 0.00	60.51 4.68 0.52	59.66 4.35 0.50	54.51 4.74 0.09	50.31 4.20 0.00	45.31 4.31 0.00	43.94 4.73 -2.56
BROOKLYN_NAVY_YARD 23515	55.06 3.94 0.00	52.59 3.62 0.00	50.45 3.39 0.00	48.19 3.19 0.00	46.32 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.60 4.85 0.00	52.39 4.94 0.00	54.24 4.66 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.37 4.12 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.07 4.94 0.00	64.31 5.25 0.00	60.81 4.45 0.00	59.87 4.07 0.00	54.06 4.19 0.00	49.94 3.83 0.00	44.37 3.36 0.00	40.20 3.55 0.00
BROOKLYN___ARMY_DRP 323595	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
BROOME_2_LFGE 323671	51.99 0.87 0.00	49.65 0.69 0.00	47.62 0.57 0.00	45.49 0.50 0.00	43.52 0.34 0.00	44.89 0.49 0.00	46.83 0.46 0.00	47.45 1.69 0.00	49.16 1.71 0.00	51.22 1.63 0.00	49.59 1.72 0.00	50.72 1.86 0.00	52.61 2.36 0.00	55.83 2.56 0.00	54.98 2.57 0.00	56.02 2.77 0.00	57.58 1.46 0.00	60.88 1.83 0.00	57.93 1.58 0.00	57.31 1.51 0.00	51.42 1.55 0.00	47.18 1.06 0.00	41.66 0.65 0.00	37.49 0.84 0.00
BROOME___LFGE 323600	51.99 0.87 0.00	49.65 0.69 0.00	47.62 0.57 0.00	45.49 0.50 0.00	43.52 0.34 0.00	44.89 0.49 0.00	46.83 0.46 0.00	47.45 1.69 0.00	49.16 1.71 0.00	51.22 1.63 0.00	49.59 1.72 0.00	50.72 1.86 0.00	52.61 2.36 0.00	55.83 2.56 0.00	54.98 2.57 0.00	56.02 2.77 0.00	57.58 1.46 0.00	60.88 1.83 0.00	57.93 1.58 0.00	57.31 1.51 0.00	51.42 1.55 0.00	47.18 1.06 0.00	41.66 0.65 0.00	37.49 0.84 0.00
BROWNFLS_115KV_TB_3_5 80003	50.86 -0.26 0.00	48.82 -0.15 0.00	46.96 -0.09 0.00	45.17 0.18 0.00	43.43 0.26 0.00	44.54 0.13 0.00	46.50 0.14 0.00	46.12 0.37 0.00	47.93 0.43 -0.05	49.93 0.35 0.00	48.06 0.19 0.00	49.16 0.29 0.00	50.30 0.05 0.00	53.33 0.05 0.00	52.30 -0.10 0.00	53.09 -0.16 0.00	55.68 -0.45 0.00	58.40 -0.65 0.00	55.74 -0.62 0.00	55.46 -0.33 0.00	49.92 0.05 0.00	46.30 0.18 0.00	41.30 0.29 0.00	36.57 -0.07 0.00
BROWNSV1_27_KV_LOAD 356125	55.82 4.70 0.00	53.27 4.31 0.00	51.01 3.95 0.00	48.73 3.73 0.00	46.80 3.63 0.00	48.09 3.69 0.00	50.49 4.13 0.00	51.11 5.35 0.00	52.92 5.46 0.00	54.79 5.21 0.00	52.56 4.69 0.00	53.66 4.79 0.00	55.22 4.97 0.00	58.44 5.17 0.00	58.12 5.71 0.00	59.27 6.02 0.00	61.85 5.72 0.00	65.07 6.02 0.00	61.43 5.07 0.00	60.60 4.80 0.00	54.91 5.04 0.00	50.63 4.52 0.00	44.90 3.90 0.00	40.60 3.96 0.00
BURROWS___LYONSDAL 23803	51.94 0.82 0.00	49.80 0.83 0.00	47.86 0.80 0.00	46.03 1.03 0.00	44.12 0.95 0.00	45.38 0.98 0.00	47.38 1.02 0.00	47.08 1.33 0.00	48.87 1.38 -0.04	50.77 1.19 0.00	48.87 1.01 0.00	49.94 1.08 0.00	51.20 0.95 0.00	54.34 1.07 0.00	53.56 1.15 0.00	54.53 1.28 0.00	57.36 1.23 0.00	60.17 1.12 0.00	57.37 1.01 0.00	56.86 1.06 0.00	50.97 1.10 0.00	46.94 0.83 0.00	41.66 0.66 0.00	37.16 0.51 0.00
CAITHNESS_CC_1 323624	57.64 4.09 -2.43	53.78 4.80 -0.01	51.63 4.56 -0.01	49.36 4.36 -0.01	47.99 4.79 -0.02	49.34 4.93 -0.01	51.48 5.10 -0.02	52.04 6.27 -0.02	53.30 5.84 -0.01	54.60 5.01 -0.01	51.04 3.35 0.18	52.20 3.62 0.29	53.73 3.72 0.24	57.13 4.26 0.41	57.45 5.03 -0.01	63.62 5.16 -5.20	61.08 4.94 -0.01	64.55 5.49 0.00	60.18 4.34 0.51	59.16 3.85 0.49	54.02 4.24 0.09	49.57 3.46 0.00	45.16 4.14 -0.01	43.87 4.65 -2.56
CALPINE BETH_PAGE_GT4 24209	65.35 4.40 -9.83	53.22 4.26 0.00	51.10 4.05 0.00	48.91 3.91 0.00	47.03 3.84 -0.01	48.36 3.95 0.00	50.63 4.27 0.00	51.20 5.45 0.00	52.73 5.27 0.00	54.05 4.46 0.00	51.01 3.21 0.06	52.29 3.42 0.00	54.02 3.77 0.00	57.22 3.94 0.00	57.28 4.87 0.00	58.43 5.11 -0.07	60.84 4.71 0.00	64.19 5.14 0.00	60.36 4.00 0.00	59.48 3.68 0.00	54.01 4.14 0.00	49.99 3.87 0.00	45.27 4.26 0.00	43.50 4.29 -2.56
CALPINE_BETH_PAGE_GT_4 323586	65.19 4.24 -9.83	53.18 4.21 0.00	51.11 4.05 -0.01	48.91 3.91 -0.01	47.03 3.84 -0.01	48.36 3.95 -0.01	50.59 4.22 -0.01	51.16 5.40 -0.01	52.59 5.13 0.00	54.05 4.46 0.00	50.91 3.11 0.06	52.24 3.37 0.00	53.71 3.46 0.00	57.27 4.00 0.00	57.18 4.77 0.00	58.27 4.95 -0.07	60.78 4.66 0.00	64.19 5.13 0.00	60.42 4.06 0.00	59.37 3.57 0.00	53.76 3.89 0.00	49.62 3.50 0.00	45.08 4.06 -0.01	43.50 4.29 -2.56
CALPINE_BP_GT1 23823	65.19 4.24 -9.83	53.18 4.21 0.00	51.11 4.05 -0.01	48.91 3.91 -0.01	47.03 3.84 -0.01	48.36 3.95 -0.01	50.59 4.22 -0.01	51.16 5.40 -0.01	52.59 5.13 0.00	54.05 4.46 0.00	50.91 3.11 0.06	52.24 3.37 0.00	53.71 3.46 0.00	57.27 4.00 0.00	57.18 4.77 0.00	58.27 4.95 -0.07	60.78 4.66 0.00	64.19 5.13 0.00	60.42 4.06 0.00	59.37 3.57 0.00	53.76 3.89 0.00	49.62 3.50 0.00	45.08 4.06 -0.01	43.50 4.29 -2.56
CALSPAN___DRP 24200	51.38 0.26 0.00	49.06 0.10 0.00	46.63 -0.42 0.00	44.45 -0.54 0.00	42.27 -0.91 0.00	43.83 -0.58 0.00	45.62 -0.74 0.00	44.89 -0.87 0.00	46.89 -0.57 0.00	49.09 -0.50 0.00	48.11 0.24 0.00	49.01 0.15 0.00	51.41 1.16 0.00	55.03 1.76 0.00	53.72 1.31 0.00	54.10 0.85 0.00	56.80 0.67 0.00	59.94 0.89 0.00	57.20 0.85 0.00	56.47 0.67 0.00	50.12 0.25 0.00	45.75 -0.37 0.00	40.60 -0.41 0.00	37.20 0.55 0.00



CALVERTON___SOLAR 323806	58.01 4.45 -2.44	54.22 5.24 -0.01	51.91 4.85 -0.01	49.59 4.59 -0.01	48.38 5.18 -0.02	49.69 5.28 -0.01	51.89 5.51 -0.02	52.50 6.73 -0.02	53.78 6.31 -0.01	55.10 5.50 -0.01	51.47 3.78 0.18	52.68 4.11 0.30	54.23 4.22 0.24	57.70 4.85 0.42	58.08 5.66 -0.01	64.30 5.81 -5.24	61.75 5.61 -0.01	65.31 6.26 0.00	60.79 4.96 0.53	59.77 4.47 0.50	54.56 4.79 0.09	49.76 3.64 0.00	45.24 4.22 -0.01	44.05 4.84 -2.56
CANDIGU_WT_PWR 323617	51.94 0.82 0.00	49.45 0.49 0.00	47.20 0.14 0.00	44.99 0.00 0.00	42.96 -0.21 0.00	44.45 0.04 0.00	46.27 -0.09 0.00	46.26 0.50 0.00	47.98 0.52 0.00	50.08 0.50 0.00	48.73 0.86 0.00	49.65 0.78 0.00	52.01 1.76 0.00	55.09 1.81 0.00	53.98 1.57 0.00	54.74 1.49 0.00	57.02 0.90 0.00	60.47 1.41 0.00	57.66 1.30 0.00	57.19 1.40 0.00	51.51 1.64 0.00	47.08 0.97 0.00	41.50 0.49 0.00	37.52 0.88 0.00
CARR STREET_E_SYR 24060	51.02 -0.10 0.00	48.72 -0.24 0.00	46.73 -0.33 0.00	44.63 -0.36 0.00	42.74 -0.43 0.00	44.05 -0.36 0.00	45.94 -0.42 0.00	45.25 -0.50 0.00	46.89 -0.57 0.00	48.99 -0.59 0.00	47.48 -0.38 0.00	48.43 -0.44 0.00	49.95 -0.30 0.00	52.91 -0.37 0.00	52.04 -0.36 0.00	52.99 -0.26 0.00	56.24 0.11 0.00	59.35 0.30 0.00	56.53 0.17 0.00	55.91 0.11 0.00	50.12 0.25 0.00	46.07 -0.05 0.00	40.80 -0.20 0.00	36.65 0.00 0.00
CARTHAGE___PAPER 23857	51.74 0.62 0.00	49.65 0.69 0.00	47.67 0.61 0.00	45.85 0.85 0.00	43.99 0.82 0.00	45.20 0.80 0.00	47.20 0.84 0.00	46.85 1.10 0.00	48.66 1.14 -0.07	50.48 0.89 0.00	48.49 0.62 0.00	49.55 0.68 0.00	50.65 0.40 0.00	53.70 0.42 0.00	52.88 0.47 0.00	53.89 0.64 0.00	56.69 0.56 0.00	59.64 0.59 0.00	56.98 0.62 0.00	56.69 0.89 0.00	50.96 1.10 0.00	46.99 0.87 0.00	41.66 0.65 0.00	37.05 0.40 0.00
CASSADAGA_WT_PWR 323784	52.14 1.02 0.00	49.55 0.59 0.00	47.01 -0.05 0.00	44.81 -0.18 0.00	42.66 -0.52 0.00	44.32 -0.09 0.00	46.22 -0.14 0.00	45.85 0.09 0.00	48.12 0.66 0.00	50.43 0.84 0.00	49.40 1.53 0.00	50.48 1.61 0.00	53.77 3.52 0.00	56.85 3.57 0.00	55.29 2.88 0.00	55.86 2.61 0.00	58.48 2.36 0.00	62.12 3.07 0.00	58.90 2.54 0.00	58.31 2.51 0.00	52.51 2.64 0.00	47.68 1.57 0.00	41.66 0.65 0.00	37.82 1.17 0.00
CE_DUNWOOD___DRP 24194	54.70 3.58 0.00	52.29 3.33 0.00	50.12 3.06 0.00	47.92 2.92 0.00	46.02 2.85 0.00	47.33 2.93 0.00	49.61 3.25 0.00	50.15 4.39 0.00	51.82 4.37 0.00	53.65 4.07 0.00	51.51 3.64 0.00	52.63 3.76 0.00	54.17 3.92 0.00	57.38 4.10 0.00	57.02 4.61 0.00	58.15 4.90 0.00	60.67 4.55 0.00	63.95 4.90 0.00	60.47 4.11 0.00	59.59 3.79 0.00	53.91 4.04 0.00	49.71 3.60 0.00	44.12 3.12 0.00	39.83 3.19 0.00
CE_MILLWOOD___DRP 24193	54.55 3.43 0.00	52.15 3.18 0.00	49.97 2.92 0.00	47.78 2.79 0.00	45.89 2.72 0.00	47.20 2.80 0.00	49.47 3.11 0.00	50.01 4.26 0.00	51.68 4.22 0.00	53.50 3.92 0.00	51.36 3.49 0.00	52.48 3.62 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.86 4.45 0.00	57.99 4.74 0.00	60.50 4.38 0.00	63.78 4.72 0.00	60.30 3.95 0.00	59.48 3.68 0.00	53.76 3.89 0.00	49.57 3.46 0.00	44.00 2.99 0.00	39.72 3.08 0.00
CE_NYC2_DRP 24202	55.42 4.29 -0.01	52.88 3.92 0.00	50.69 3.62 -0.01	48.41 3.42 0.00	46.50 3.32 0.00	47.69 3.29 0.00	50.07 3.71 0.00	50.61 4.85 0.00	52.35 4.89 0.00	54.19 4.61 0.00	51.98 4.12 0.00	53.12 4.25 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.49 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.70 3.91 0.00	54.21 4.34 0.00	50.08 3.97 0.00	44.49 3.49 0.00	40.36 3.70 -0.01
CE_NYC_DRP 24195	54.49 4.14 0.77	52.13 3.82 0.65	50.04 3.53 0.55	47.68 3.33 0.64	45.86 3.24 0.55	47.08 3.29 0.61	49.34 3.71 0.73	49.94 4.94 0.76	51.65 5.03 0.84	53.36 4.71 0.93	51.19 4.26 0.94	52.22 4.35 0.99	53.66 4.47 1.06	57.27 4.64 0.64	56.39 5.19 1.21	58.73 5.48 0.01	61.40 5.11 -0.16	68.67 5.43 -4.18	63.28 4.51 -2.41	61.62 4.18 -1.64	53.37 4.54 1.04	49.33 4.06 0.84	43.97 3.53 0.56	39.88 3.59 0.36
CHAFFEE___LFGE 323603	51.74 0.62 0.00	49.16 0.20 0.00	46.73 -0.33 0.00	44.54 -0.45 0.00	42.35 -0.82 0.00	43.92 -0.49 0.00	45.71 -0.65 0.00	45.02 -0.73 0.00	47.03 -0.43 0.00	49.29 -0.30 0.00	48.40 0.53 0.00	49.36 0.49 0.00	52.41 2.16 0.00	55.41 2.13 0.00	53.93 1.52 0.00	54.42 1.17 0.00	57.14 1.01 0.00	60.58 1.53 0.00	57.43 1.07 0.00	56.75 0.95 0.00	51.12 1.25 0.00	46.35 0.23 0.00	41.01 0.00 0.00	37.27 0.62 0.00
CHATEAUG_35_KV_LOAD 355732	50.25 -0.87 0.00	47.99 -0.98 0.00	46.26 -0.80 0.00	44.32 -0.67 0.00	42.61 -0.56 0.00	43.69 -0.71 0.00	45.67 -0.70 0.00	45.25 -0.50 0.00	47.08 -0.38 0.00	49.24 -0.35 0.00	47.63 -0.24 0.00	48.62 -0.24 0.00	49.65 -0.60 0.00	52.69 -0.59 0.00	51.52 -0.89 0.00	52.29 -0.96 0.00	55.23 -0.90 0.00	57.93 -1.12 0.00	55.34 -1.01 0.00	55.18 -0.61 0.00	49.22 -0.65 0.00	46.07 -0.05 0.00	41.01 0.00 0.00	36.21 -0.44 0.00
CHATEAUG_WT_PWR 323614	50.20 -0.92 0.00	48.18 -0.79 0.00	46.21 -0.85 0.00	44.32 -0.67 0.00	42.57 -0.60 0.00	43.65 -0.76 0.00	45.62 -0.74 0.00	45.25 -0.50 0.00	47.13 -0.33 0.00	49.24 -0.34 0.00	47.68 -0.19 0.00	48.38 -0.49 0.00	49.65 -0.60 0.00	52.74 -0.53 0.00	51.62 -0.78 0.00	52.30 -0.96 0.00	55.23 -0.90 0.00	57.87 -1.18 0.00	55.29 -1.07 0.00	55.07 -0.73 0.00	49.12 -0.75 0.00	46.02 -0.09 0.00	40.97 -0.04 0.00	36.21 -0.44 0.00
CHAT_HIGH_FALL_HYD 323578	50.25 -0.87 0.00	47.99 -0.98 0.00	46.26 -0.80 0.00	44.32 -0.67 0.00	42.61 -0.56 0.00	43.69 -0.71 0.00	45.67 -0.70 0.00	45.25 -0.50 0.00	47.08 -0.38 0.00	49.24 -0.35 0.00	47.63 -0.24 0.00	48.62 -0.24 0.00	49.65 -0.60 0.00	52.69 -0.59 0.00	51.52 -0.89 0.00	52.29 -0.96 0.00	55.23 -0.90 0.00	57.93 -1.12 0.00	55.34 -1.01 0.00	55.18 -0.61 0.00	49.22 -0.65 0.00	46.07 -0.05 0.00	41.01 0.00 0.00	36.21 -0.44 0.00
CHAUTAUQUA___LFGE 323629	52.20 1.08 0.00	49.65 0.69 0.00	47.15 0.09 0.00	44.95 -0.04 0.00	42.74 -0.43 0.00	44.36 -0.04 0.00	46.22 -0.14 0.00	45.71 -0.05 0.00	47.84 0.38 0.00	50.08 0.50 0.00	49.11 1.24 0.00	50.14 1.27 0.00	53.26 3.01 0.00	56.36 3.09 0.00	54.87 2.46 0.00	55.44 2.18 0.00	58.09 1.96 0.00	61.65 2.60 0.00	58.50 2.14 0.00	57.80 2.01 0.00	52.11 2.25 0.00	47.22 1.10 0.00	41.54 0.53 0.00	37.71 1.06 0.00
CHERRYST_13_KV_LD 356241	54.05 4.35 1.42	51.78 4.02 1.20	49.77 3.72 1.00	47.33 3.51 1.17	45.58 3.41 1.00	46.79 3.51 1.12	48.97 3.94 1.33	49.54 5.17 1.38	51.19 5.27 1.54	52.88 5.01 1.71	50.65 4.50 1.72	51.64 4.59 1.82	53.08 4.77 1.94	55.99 4.95 2.24	55.70 5.50 2.21	56.76 5.75 2.24	59.17 5.44 2.40	62.13 5.73 2.65	58.81 4.79 2.34	57.99 4.46 2.27	52.70 4.74 1.90	48.82 4.24 1.54	43.62 3.65 1.03	39.73 3.74 0.66



CHESTROR_138KV_BK263 355645	53.88 2.76 0.00	51.56 2.60 0.00	49.41 2.35 0.00	47.24 2.25 0.00	45.38 2.20 0.00	46.67 2.26 0.00	48.82 2.46 0.00	49.42 3.66 0.00	51.02 3.56 0.00	52.86 3.27 0.00	50.84 2.97 0.00	51.95 3.08 0.00	53.47 3.22 0.00	56.63 3.36 0.00	56.23 3.83 0.00	57.41 4.15 0.00	59.89 3.76 0.00	63.18 4.13 0.00	59.80 3.44 0.00	58.98 3.18 0.00	53.26 3.39 0.00	49.11 3.00 0.00	43.51 2.50 0.00	39.25 2.60 0.00
CH_MIDHUDSON___DRP 24192	54.34 3.22 0.00	52.00 3.04 0.00	49.83 2.78 0.00	47.60 2.61 0.00	45.72 2.55 0.00	47.02 2.62 0.00	49.24 2.87 0.00	49.65 3.89 0.00	51.30 3.84 0.00	53.10 3.52 0.00	51.07 3.21 0.00	52.14 3.27 0.00	53.62 3.37 0.00	56.79 3.52 0.00	56.39 3.98 0.00	57.57 4.31 0.00	60.06 3.93 0.00	63.36 4.31 0.00	59.97 3.61 0.00	59.20 3.40 0.00	53.46 3.59 0.00	49.30 3.18 0.00	43.67 2.67 0.00	39.43 2.79 0.00
CH_MISC_IPPS 23765	54.65 3.52 0.00	52.30 3.33 0.00	50.11 3.06 0.00	47.87 2.88 0.00	45.94 2.77 0.00	47.29 2.88 0.00	49.52 3.15 0.00	49.92 4.16 0.00	51.64 4.18 0.00	53.40 3.82 0.00	51.41 3.54 0.00	52.58 3.71 0.00	53.87 3.62 0.00	57.22 3.94 0.00	56.76 4.35 0.00	57.94 4.69 0.00	60.51 4.38 0.00	63.78 4.73 0.00	60.47 4.11 0.00	59.59 3.80 0.00	53.66 3.79 0.00	49.44 3.32 0.00	43.84 2.83 0.00	39.65 3.01 0.00
CH_RES_BVR_FALLS 23983	50.56 -0.56 0.00	48.52 -0.44 0.00	46.68 -0.38 0.00	44.68 -0.31 0.00	42.92 -0.26 0.00	44.05 -0.36 0.00	45.99 -0.37 0.00	45.53 -0.23 0.00	47.27 -0.19 0.00	49.44 -0.15 0.00	47.72 -0.14 0.00	48.67 -0.19 0.00	50.00 -0.25 0.00	53.01 -0.27 0.00	52.10 -0.31 0.00	52.82 -0.43 0.00	55.68 -0.45 0.00	58.46 -0.59 0.00	55.80 -0.56 0.00	55.35 -0.45 0.00	49.37 -0.50 0.00	45.79 -0.32 0.00	40.72 -0.29 0.00	36.28 -0.37 0.00
CH_RES_NIAGARA 23895	49.69 -1.43 0.00	47.50 -1.47 0.00	45.22 -1.84 0.00	43.15 -1.84 0.00	41.06 -2.12 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	44.99 -2.47 0.00	47.10 -2.48 0.00	46.34 -1.53 0.00	47.11 -1.76 0.00	49.45 -0.80 0.00	52.90 -0.37 0.00	51.57 -0.84 0.00	51.76 -1.49 0.00	54.56 -1.57 0.00	57.58 -1.48 0.00	54.95 -1.41 0.00	54.24 -1.56 0.00	48.12 -1.75 0.00	43.95 -2.17 0.00	39.16 -1.85 0.00	35.95 -0.70 0.00
CH_RES_SYRACUSE 23985	51.27 0.15 0.00	48.96 0.00 0.00	46.96 -0.09 0.00	44.86 -0.13 0.00	42.96 -0.21 0.00	44.27 -0.13 0.00	46.22 -0.14 0.00	45.53 -0.23 0.00	47.25 -0.28 -0.07	49.34 -0.25 0.00	47.77 -0.10 0.00	48.72 -0.15 0.00	50.20 -0.05 0.00	53.17 -0.11 0.00	52.30 -0.10 0.00	53.31 0.05 0.00	56.52 0.40 0.00	59.64 0.59 0.00	56.81 0.45 0.00	56.24 0.44 0.00	50.37 0.50 0.00	46.35 0.23 0.00	41.05 0.04 0.00	36.87 0.22 0.00
CLINTON_WT_PWR 323605	50.20 -0.92 0.00	48.18 -0.79 0.00	46.21 -0.85 0.00	44.32 -0.67 0.00	42.57 -0.60 0.00	43.65 -0.76 0.00	45.62 -0.74 0.00	45.25 -0.50 0.00	47.13 -0.33 0.00	49.24 -0.34 0.00	47.68 -0.19 0.00	48.38 -0.49 0.00	49.65 -0.60 0.00	52.74 -0.53 0.00	51.62 -0.78 0.00	52.30 -0.96 0.00	55.23 -0.90 0.00	57.87 -1.18 0.00	55.29 -1.07 0.00	55.07 -0.73 0.00	49.12 -0.75 0.00	46.02 -0.09 0.00	40.97 -0.04 0.00	36.21 -0.44 0.00
CLINTON___LFGE 323618	50.51 -0.61 0.00	48.62 -0.34 0.00	46.68 -0.38 0.00	44.77 -0.22 0.00	43.00 -0.17 0.00	44.14 -0.26 0.00	46.13 -0.23 0.00	45.76 0.00 0.00	47.60 0.14 0.00	49.63 0.05 0.00	48.16 0.29 0.00	48.77 -0.10 0.00	50.05 -0.20 0.00	53.22 -0.05 0.00	52.04 -0.36 0.00	52.72 -0.53 0.00	55.68 -0.45 0.00	58.46 -0.59 0.00	55.74 -0.62 0.00	55.63 -0.17 0.00	49.67 -0.20 0.00	46.76 0.65 0.00	41.58 0.57 0.00	36.76 0.11 0.00
COBBLENY_34_KV_TB1 80064	51.48 0.36 0.00	49.16 0.20 0.00	46.73 -0.33 0.00	44.50 -0.49 0.00	42.35 -0.82 0.00	43.92 -0.49 0.00	45.71 -0.65 0.00	45.02 -0.73 0.00	47.03 -0.43 0.00	49.29 -0.30 0.00	48.25 0.38 0.00	49.21 0.34 0.00	51.56 1.31 0.00	55.30 2.02 0.00	53.93 1.52 0.00	54.37 1.12 0.00	57.02 0.90 0.00	60.17 1.12 0.00	57.49 1.13 0.00	56.69 0.89 0.00	50.27 0.40 0.00	45.93 -0.18 0.00	40.68 -0.33 0.00	37.27 0.62 0.00
COFFEEN___115KV_TB3 355620	52.40 1.28 0.00	50.34 1.37 0.00	48.28 1.22 0.00	46.30 1.30 0.00	44.38 1.21 0.00	45.60 1.20 0.00	47.61 1.25 0.00	47.27 1.51 0.00	49.05 1.47 -0.12	50.82 1.24 0.00	48.83 0.96 0.00	49.94 1.08 0.00	51.05 0.80 0.00	54.13 0.85 0.00	53.30 0.89 0.00	54.42 1.17 0.00	57.36 1.23 0.00	60.59 1.54 0.00	57.99 1.63 0.00	57.75 1.95 0.00	51.91 2.04 0.00	47.64 1.52 0.00	42.12 1.11 0.00	37.56 0.92 0.00
COLDSPRG_115KV_BK1 355956	52.25 1.12 0.00	49.90 0.93 0.00	47.39 0.33 0.00	45.13 0.13 0.00	43.00 -0.17 0.00	44.67 0.27 0.00	46.59 0.23 0.00	46.31 0.55 0.00	48.46 1.00 0.00	50.72 1.14 0.00	49.54 1.68 0.00	50.58 1.71 0.00	52.86 2.61 0.00	56.69 3.41 0.00	55.34 2.93 0.00	55.86 2.61 0.00	58.43 2.30 0.00	61.59 2.54 0.00	58.84 2.48 0.00	58.14 2.34 0.00	51.61 1.75 0.00	47.31 1.20 0.00	41.54 0.53 0.00	37.97 1.32 0.00
COLONIE_LFGE___ 323577	53.17 2.05 0.00	50.87 1.91 0.00	48.89 1.83 0.00	46.66 1.67 0.00	44.81 1.64 0.00	46.09 1.69 0.00	48.17 1.81 0.00	48.09 2.33 0.00	49.69 2.23 0.00	51.57 1.99 0.00	49.54 1.67 0.00	50.62 1.76 0.00	51.86 1.61 0.00	55.03 1.76 0.00	54.51 2.10 0.00	55.59 2.34 0.00	58.26 2.13 0.00	61.47 2.42 0.00	58.62 2.26 0.00	57.86 2.07 0.00	51.91 2.05 0.00	47.96 1.85 0.00	42.53 1.52 0.00	38.33 1.69 0.00
COOPERNY_115KV_TB1 80082	53.17 2.04 0.00	50.87 1.91 0.00	48.85 1.79 0.00	46.70 1.71 0.00	44.81 1.64 0.00	46.09 1.69 0.00	48.17 1.81 0.00	48.91 3.16 0.00	50.54 3.08 0.00	52.41 2.83 0.00	50.40 2.54 0.00	51.51 2.64 0.00	53.06 2.81 0.00	56.26 2.98 0.00	55.76 3.35 0.00	56.87 3.62 0.00	59.38 3.26 0.00	62.59 3.54 0.00	59.29 2.93 0.00	58.53 2.73 0.00	52.81 2.94 0.00	48.65 2.54 0.00	43.10 2.09 0.00	38.88 2.24 0.00
COPENHAGEN_WT_PWR 323753	52.04 0.92 0.00	49.85 0.88 0.00	47.81 0.75 0.00	45.89 0.90 0.00	43.99 0.82 0.00	45.25 0.84 0.00	47.20 0.84 0.00	46.81 1.05 0.00	48.59 1.04 -0.09	50.43 0.84 0.00	48.49 0.62 0.00	49.55 0.68 0.00	50.65 0.40 0.00	53.70 0.42 0.00	52.83 0.42 0.00	53.94 0.69 0.00	56.85 0.73 0.00	59.94 0.89 0.00	57.32 0.96 0.00	57.02 1.23 0.00	51.26 1.39 0.00	47.13 1.01 0.00	41.75 0.74 0.00	37.23 0.58 0.00
CORNELL_____ 23752	52.50 1.38 0.00	50.19 1.22 0.00	48.09 1.04 0.00	45.89 0.90 0.00	43.95 0.78 0.00	45.34 0.93 0.00	47.24 0.88 0.00	47.95 2.20 0.00	49.63 2.14 -0.03	51.62 2.03 0.00	49.93 2.06 0.00	50.97 2.10 0.00	52.61 2.36 0.00	55.94 2.66 0.00	55.13 2.73 0.00	56.13 2.88 0.00	57.87 1.74 0.00	61.18 2.13 0.00	58.44 2.09 0.00	57.86 2.06 0.00	51.81 1.94 0.00	47.59 1.48 0.00	42.03 1.03 0.00	37.82 1.17 0.00



CORONA__KV_TB1 355595	98.44 5.01 -42.31	53.67 4.70 0.00	51.43 4.38 0.00	49.13 4.14 0.00	47.20 4.02 -0.01	48.53 4.13 0.00	50.81 4.45 0.00	51.39 5.63 0.00	53.06 5.60 0.00	54.44 4.86 0.00	51.65 3.78 0.00	52.83 3.96 0.00	54.62 4.37 0.00	57.86 4.58 0.00	57.86 5.45 0.00	58.95 5.70 0.00	61.51 5.39 0.00	64.90 5.85 0.00	61.09 4.73 0.00	60.15 4.35 0.00	54.56 4.69 0.00	50.45 4.33 0.00	45.19 4.18 0.00	43.28 4.07 -2.56
CORTLAND_115KV_TB3 80093	52.04 0.92 0.00	49.75 0.78 0.00	47.72 0.66 0.00	45.58 0.58 0.00	43.65 0.47 0.00	45.03 0.62 0.00	46.96 0.60 0.00	47.50 1.74 0.00	49.21 1.71 -0.04	51.22 1.64 0.00	49.50 1.63 0.00	50.58 1.71 0.00	52.16 1.91 0.00	55.46 2.18 0.00	54.66 2.25 0.00	55.65 2.40 0.00	57.42 1.29 0.00	60.65 1.59 0.00	57.82 1.47 0.00	57.25 1.45 0.00	51.27 1.40 0.00	47.13 1.01 0.00	41.71 0.70 0.00	37.49 0.84 0.00
COXSACKIE__GT 23611	54.19 3.07 0.00	51.90 2.94 0.00	49.69 2.63 0.00	47.24 2.25 0.00	45.29 2.11 0.00	46.80 2.40 0.00	48.82 2.46 0.00	48.23 2.47 0.00	49.54 2.09 0.00	51.02 1.44 0.00	49.21 1.34 0.00	50.09 1.22 0.00	51.20 0.95 0.00	54.29 1.01 0.00	53.82 1.42 0.00	55.01 1.75 0.00	57.76 1.63 0.00	61.24 2.19 0.00	58.50 2.14 0.00	57.97 2.17 0.00	51.96 2.09 0.00	48.05 1.94 0.00	42.69 1.68 0.00	38.48 1.83 0.00
CPV_VALLEY__CC1 323721	53.37 2.25 0.00	51.07 2.10 0.00	49.03 1.98 0.00	46.88 1.89 0.00	45.03 1.86 0.00	46.31 1.91 0.00	48.45 2.09 0.00	49.01 3.25 0.00	50.64 3.18 0.00	52.51 2.92 0.00	50.40 2.54 0.00	51.60 2.73 0.00	52.96 2.71 0.00	56.26 2.98 0.00	55.81 3.40 0.00	56.92 3.67 0.00	59.44 3.31 0.00	62.65 3.60 0.00	59.40 3.04 0.00	58.53 2.73 0.00	52.71 2.84 0.00	48.65 2.53 0.00	43.10 2.09 0.00	38.99 2.35 0.00
CPV_VALLEY__CC2 323722	53.37 2.25 0.00	51.07 2.10 0.00	49.03 1.98 0.00	46.88 1.89 0.00	45.03 1.86 0.00	46.31 1.91 0.00	48.45 2.09 0.00	49.01 3.25 0.00	50.64 3.18 0.00	52.51 2.92 0.00	50.40 2.54 0.00	51.60 2.73 0.00	52.96 2.71 0.00	56.26 2.98 0.00	55.81 3.40 0.00	56.92 3.67 0.00	59.44 3.31 0.00	62.65 3.60 0.00	59.40 3.04 0.00	58.53 2.73 0.00	52.71 2.84 0.00	48.65 2.53 0.00	43.10 2.09 0.00	38.99 2.35 0.00
CRESCENT__HYD 24018	53.17 2.05 0.00	50.87 1.91 0.00	48.89 1.83 0.00	46.66 1.67 0.00	44.81 1.64 0.00	46.09 1.69 0.00	48.17 1.81 0.00	48.09 2.33 0.00	49.69 2.23 0.00	51.57 1.99 0.00	49.54 1.67 0.00	50.62 1.76 0.00	51.86 1.61 0.00	55.03 1.76 0.00	54.51 2.10 0.00	55.59 2.34 0.00	58.26 2.13 0.00	61.47 2.42 0.00	58.62 2.26 0.00	57.86 2.07 0.00	51.91 2.05 0.00	47.96 1.85 0.00	42.53 1.52 0.00	38.33 1.69 0.00
CRICKET__VALLEY_CC1 323756	53.47 2.35 0.00	51.22 2.25 0.00	49.18 2.12 0.00	46.97 1.98 0.00	45.16 1.99 0.00	46.40 2.00 0.00	48.54 2.18 0.00	49.10 3.34 0.00	50.69 3.23 0.00	52.51 2.92 0.00	50.36 2.49 0.00	51.46 2.59 0.00	52.71 2.46 0.00	55.99 2.72 0.00	55.61 3.20 0.00	56.77 3.51 0.00	59.32 3.20 0.00	62.53 3.48 0.00	59.46 3.10 0.00	58.53 2.73 0.00	52.66 2.79 0.00	48.70 2.58 0.00	43.14 2.13 0.00	39.06 2.42 0.00
CRICKET__VALLEY_CC2 323757	53.47 2.35 0.00	51.22 2.25 0.00	49.18 2.12 0.00	46.97 1.98 0.00	45.16 1.99 0.00	46.40 2.00 0.00	48.54 2.18 0.00	49.10 3.34 0.00	50.69 3.23 0.00	52.51 2.92 0.00	50.36 2.49 0.00	51.46 2.59 0.00	52.71 2.46 0.00	55.99 2.72 0.00	55.61 3.20 0.00	56.77 3.51 0.00	59.32 3.20 0.00	62.53 3.48 0.00	59.46 3.10 0.00	58.53 2.73 0.00	52.66 2.79 0.00	48.70 2.58 0.00	43.14 2.13 0.00	39.06 2.42 0.00
CRICKET__VALLEY_CC3 323758	53.47 2.35 0.00	51.22 2.25 0.00	49.18 2.12 0.00	46.97 1.98 0.00	45.16 1.99 0.00	46.40 2.00 0.00	48.54 2.18 0.00	49.10 3.34 0.00	50.69 3.23 0.00	52.51 2.92 0.00	50.36 2.49 0.00	51.46 2.59 0.00	52.71 2.46 0.00	55.99 2.72 0.00	55.61 3.20 0.00	56.77 3.51 0.00	59.32 3.20 0.00	62.53 3.48 0.00	59.46 3.10 0.00	58.53 2.73 0.00	52.66 2.79 0.00	48.70 2.58 0.00	43.14 2.13 0.00	39.06 2.42 0.00
CRUCIBLE_METL_DRP 24180	51.22 0.10 0.00	48.96 0.00 0.00	46.96 -0.09 0.00	44.86 -0.13 0.00	42.96 -0.22 0.00	44.27 -0.13 0.00	46.22 -0.14 0.00	45.53 -0.23 0.00	47.32 -0.28 -0.15	49.34 -0.25 0.00	47.72 -0.14 0.00	48.72 -0.15 0.00	50.15 -0.10 0.00	53.17 -0.11 0.00	52.36 -0.05 0.00	53.31 0.05 0.00	56.58 0.45 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.27 0.40 0.00	46.30 0.18 0.00	41.01 0.00 0.00	36.87 0.22 0.00
DAHOWA__HYDRO 323763	53.93 2.81 0.00	51.56 2.59 0.00	49.50 2.45 0.00	47.11 2.12 0.00	45.29 2.11 0.00	46.62 2.22 0.00	48.63 2.27 0.00	48.55 2.79 0.00	50.16 2.70 0.00	51.96 2.38 0.00	49.73 1.86 0.00	50.92 2.05 0.00	52.01 1.76 0.00	55.09 1.81 0.00	54.66 2.25 0.00	55.81 2.56 0.00	58.54 2.41 0.00	61.83 2.78 0.00	59.12 2.76 0.00	58.53 2.73 0.00	52.51 2.64 0.00	48.47 2.35 0.00	42.98 1.97 0.00	38.70 2.05 0.00
DANC__LFGE 323619	51.38 0.26 0.00	49.21 0.25 0.00	47.20 0.14 0.00	45.22 0.23 0.00	43.35 0.17 0.00	44.58 0.18 0.00	46.55 0.19 0.00	46.03 0.28 0.00	47.86 0.29 -0.12	49.68 0.10 0.00	47.87 0.00 0.00	48.92 0.05 0.00	50.05 -0.20 0.00	53.01 -0.27 0.00	52.20 -0.21 0.00	53.25 0.00 0.00	56.18 0.06 0.00	59.23 0.18 0.00	56.59 0.23 0.00	56.19 0.39 0.00	50.47 0.60 0.00	46.48 0.37 0.00	41.21 0.21 0.00	36.83 0.18 0.00
DANSKAMMER__1 23586	54.65 3.52 0.00	52.30 3.33 0.00	50.11 3.06 0.00	47.87 2.88 0.00	45.94 2.77 0.00	47.29 2.88 0.00	49.52 3.15 0.00	49.92 4.16 0.00	51.64 4.18 0.00	53.40 3.82 0.00	51.41 3.54 0.00	52.58 3.71 0.00	53.87 3.62 0.00	57.22 3.94 0.00	56.76 4.35 0.00	57.94 4.69 0.00	60.51 4.38 0.00	63.78 4.73 0.00	60.47 4.11 0.00	59.59 3.80 0.00	53.66 3.79 0.00	49.44 3.32 0.00	43.84 2.83 0.00	39.65 3.01 0.00
DANSKAMMER__2 23589	54.65 3.52 0.00	52.30 3.33 0.00	50.11 3.06 0.00	47.87 2.88 0.00	45.94 2.77 0.00	47.29 2.88 0.00	49.52 3.15 0.00	49.92 4.16 0.00	51.64 4.18 0.00	53.40 3.82 0.00	51.41 3.54 0.00	52.58 3.71 0.00	53.87 3.62 0.00	57.22 3.94 0.00	56.76 4.35 0.00	57.94 4.69 0.00	60.51 4.38 0.00	63.78 4.73 0.00	60.47 4.11 0.00	59.59 3.80 0.00	53.66 3.79 0.00	49.44 3.32 0.00	43.84 2.83 0.00	39.65 3.01 0.00
DANSKAMMER__3 23590	54.65 3.52 0.00	52.30 3.33 0.00	50.11 3.06 0.00	47.87 2.88 0.00	45.94 2.77 0.00	47.29 2.88 0.00	49.52 3.15 0.00	49.92 4.16 0.00	51.64 4.18 0.00	53.40 3.82 0.00	51.41 3.54 0.00	52.58 3.71 0.00	53.87 3.62 0.00	57.22 3.94 0.00	56.76 4.35 0.00	57.94 4.69 0.00	60.51 4.38 0.00	63.78 4.73 0.00	60.47 4.11 0.00	59.59 3.80 0.00	53.66 3.79 0.00	49.44 3.32 0.00	43.84 2.83 0.00	39.65 3.01 0.00



DANSKAMMER___4 23591	54.65 3.52 0.00	52.30 3.33 0.00	50.11 3.06 0.00	47.87 2.88 0.00	45.94 2.77 0.00	47.29 2.88 0.00	49.52 3.15 0.00	49.92 4.16 0.00	51.64 4.18 0.00	53.40 3.82 0.00	51.41 3.54 0.00	52.58 3.71 0.00	53.87 3.62 0.00	57.22 3.94 0.00	56.76 4.35 0.00	57.94 4.69 0.00	60.51 4.38 0.00	63.78 4.73 0.00	60.47 4.11 0.00	59.59 3.80 0.00	53.66 3.79 0.00	49.44 3.32 0.00	43.84 2.83 0.00	39.65 3.01 0.00
DANSKAMMER___DIESEL 23592	54.75 3.63 0.00	52.34 3.38 0.00	50.12 3.06 0.00	47.87 2.88 0.00	45.94 2.76 0.00	47.29 2.89 0.00	49.51 3.15 0.00	49.97 4.21 0.00	51.64 4.18 0.00	53.45 3.87 0.00	51.46 3.59 0.00	52.53 3.67 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.81 4.40 0.00	57.94 4.69 0.00	60.50 4.38 0.00	63.83 4.78 0.00	60.36 4.00 0.00	59.59 3.79 0.00	53.81 3.94 0.00	49.53 3.41 0.00	43.92 2.91 0.00	39.65 3.00 0.00
DARBY___SOLAR 323810	53.73 2.61 0.00	51.41 2.45 0.00	49.36 2.31 0.00	47.02 2.03 0.00	45.16 1.99 0.00	46.54 2.13 0.00	48.54 2.18 0.00	48.41 2.65 0.00	50.02 2.56 0.00	51.87 2.28 0.00	49.69 1.82 0.00	50.82 1.96 0.00	51.96 1.71 0.00	55.03 1.76 0.00	54.56 2.15 0.00	55.70 2.45 0.00	58.43 2.30 0.00	61.71 2.66 0.00	59.01 2.65 0.00	58.37 2.57 0.00	52.41 2.54 0.00	48.37 2.26 0.00	42.90 1.89 0.00	38.59 1.94 0.00
DASHVILLE___HYD 23610	53.98 2.86 0.00	51.61 2.64 0.00	49.50 2.45 0.00	47.29 2.29 0.00	45.38 2.20 0.00	46.67 2.26 0.00	48.77 2.41 0.00	49.05 3.29 0.00	50.59 3.13 0.00	52.36 2.78 0.00	50.36 2.49 0.00	51.46 2.59 0.00	52.91 2.66 0.00	56.05 2.77 0.00	55.61 3.20 0.00	56.77 3.51 0.00	59.27 3.14 0.00	62.54 3.48 0.00	59.18 2.82 0.00	58.42 2.62 0.00	52.76 2.89 0.00	48.65 2.54 0.00	43.18 2.17 0.00	38.99 2.35 0.00
DELAWARE___LFGE 323621	52.91 1.79 0.00	50.68 1.71 0.00	48.75 1.69 0.00	46.66 1.66 0.00	44.73 1.55 0.00	46.05 1.64 0.00	48.03 1.67 0.00	48.27 2.52 0.00	49.88 2.42 0.00	51.86 2.28 0.00	49.97 2.11 0.00	51.07 2.20 0.00	52.61 2.36 0.00	55.78 2.50 0.00	55.19 2.78 0.00	56.23 2.98 0.00	58.54 2.41 0.00	61.77 2.72 0.00	58.67 2.31 0.00	57.97 2.18 0.00	52.06 2.19 0.00	47.96 1.84 0.00	42.44 1.44 0.00	38.19 1.54 0.00
DERFIELD_115KV_TB7 355931	51.48 0.36 0.00	49.31 0.34 0.00	47.39 0.33 0.00	45.31 0.31 0.00	43.48 0.30 0.00	44.72 0.31 0.00	46.69 0.32 0.00	46.21 0.46 0.00	47.89 0.43 0.00	49.93 0.35 0.00	48.20 0.34 0.00	49.21 0.34 0.00	50.60 0.35 0.00	53.65 0.37 0.00	52.88 0.47 0.00	53.78 0.53 0.00	56.58 0.45 0.00	59.52 0.47 0.00	56.75 0.39 0.00	56.13 0.33 0.00	50.27 0.40 0.00	46.39 0.28 0.00	41.21 0.21 0.00	36.90 0.26 0.00
DOGLEVILLE___HYD 23807	53.17 2.04 0.00	50.87 1.91 0.00	48.85 1.79 0.00	46.66 1.66 0.00	44.73 1.55 0.00	46.00 1.60 0.00	47.98 1.62 0.00	47.50 1.74 0.00	49.31 1.85 0.00	51.42 1.83 0.00	49.59 1.72 0.00	50.63 1.76 0.00	52.06 1.81 0.00	55.19 1.92 0.00	54.40 1.99 0.00	55.33 2.08 0.00	58.20 2.08 0.00	61.24 2.18 0.00	58.33 1.97 0.00	57.64 1.84 0.00	51.51 1.65 0.00	47.45 1.34 0.00	42.12 1.11 0.00	37.64 0.99 0.00
DUNKIRK___115KV_TB_200 55889	51.94 0.82 0.00	49.60 0.64 0.00	47.10 0.05 0.00	44.86 -0.13 0.00	42.70 -0.47 0.00	44.32 -0.09 0.00	46.18 -0.19 0.00	45.67 -0.09 0.00	47.74 0.28 0.00	49.98 0.40 0.00	48.92 1.05 0.00	49.89 1.03 0.00	52.41 2.16 0.00	56.10 2.82 0.00	54.82 2.41 0.00	55.28 2.02 0.00	57.92 1.80 0.00	61.12 2.07 0.00	58.39 2.03 0.00	57.70 1.90 0.00	51.22 1.35 0.00	46.71 0.60 0.00	41.21 0.21 0.00	37.67 1.03 0.00
DUNKIRK___1 23563	51.94 0.82 0.00	49.60 0.64 0.00	47.10 0.05 0.00	44.86 -0.13 0.00	42.70 -0.47 0.00	44.32 -0.09 0.00	46.18 -0.19 0.00	45.67 -0.09 0.00	47.74 0.28 0.00	49.98 0.40 0.00	48.92 1.05 0.00	49.89 1.03 0.00	52.41 2.16 0.00	56.10 2.82 0.00	54.82 2.41 0.00	55.28 2.02 0.00	57.92 1.80 0.00	61.12 2.07 0.00	58.39 2.03 0.00	57.70 1.90 0.00	51.22 1.35 0.00	46.71 0.60 0.00	41.21 0.21 0.00	37.67 1.03 0.00
DUNKIRK___2 23564	51.94 0.82 0.00	49.60 0.64 0.00	47.10 0.05 0.00	44.86 -0.13 0.00	42.70 -0.47 0.00	44.32 -0.09 0.00	46.18 -0.19 0.00	45.67 -0.09 0.00	47.74 0.28 0.00	49.98 0.40 0.00	48.92 1.05 0.00	49.89 1.03 0.00	52.41 2.16 0.00	56.10 2.82 0.00	54.82 2.41 0.00	55.28 2.02 0.00	57.92 1.80 0.00	61.12 2.07 0.00	58.39 2.03 0.00	57.70 1.90 0.00	51.22 1.35 0.00	46.71 0.60 0.00	41.21 0.21 0.00	37.67 1.03 0.00
DUNKIRK___3 23565	51.68 0.56 0.00	49.31 0.34 0.00	46.87 -0.19 0.00	44.68 -0.31 0.00	42.53 -0.65 0.00	44.09 -0.31 0.00	45.90 -0.46 0.00	45.39 -0.37 0.00	47.41 -0.05 0.00	49.63 0.05 0.00	48.59 0.72 0.00	49.55 0.68 0.00	51.96 1.71 0.00	55.67 2.40 0.00	54.40 1.99 0.00	54.85 1.60 0.00	57.47 1.35 0.00	60.65 1.59 0.00	57.94 1.58 0.00	57.19 1.39 0.00	50.77 0.90 0.00	46.35 0.23 0.00	40.93 -0.08 0.00	37.42 0.77 0.00
DUNKIRK___4 23566	51.68 0.56 0.00	49.31 0.34 0.00	46.87 -0.19 0.00	44.68 -0.31 0.00	42.53 -0.65 0.00	44.09 -0.31 0.00	45.90 -0.46 0.00	45.39 -0.37 0.00	47.41 -0.05 0.00	49.63 0.05 0.00	48.59 0.72 0.00	49.55 0.68 0.00	51.96 1.71 0.00	55.67 2.40 0.00	54.40 1.99 0.00	54.85 1.60 0.00	57.47 1.35 0.00	60.65 1.59 0.00	57.94 1.58 0.00	57.19 1.39 0.00	50.77 0.90 0.00	46.35 0.23 0.00	40.93 -0.08 0.00	37.42 0.77 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	54.85 3.73 0.00	52.44 3.48 0.00	50.30 3.25 0.00	48.05 3.06 0.00	46.20 3.02 0.00	47.47 3.06 0.00	49.75 3.38 0.00	50.33 4.58 0.00	52.01 4.56 0.00	53.80 4.21 0.00	51.65 3.78 0.00	52.78 3.91 0.00	54.32 4.07 0.00	57.54 4.26 0.00	57.18 4.77 0.00	58.31 5.06 0.00	60.90 4.77 0.00	64.13 5.08 0.00	60.59 4.23 0.00	59.76 3.96 0.00	54.06 4.19 0.00	49.90 3.78 0.00	44.25 3.24 0.00	39.98 3.33 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	54.29 3.17 0.00	51.90 2.94 0.00	49.74 2.68 0.00	47.51 2.52 0.00	45.63 2.46 0.00	46.98 2.58 0.00	49.14 2.78 0.00	49.65 3.89 0.00	51.30 3.84 0.00	53.10 3.52 0.00	51.07 3.21 0.00	52.19 3.32 0.00	53.72 3.47 0.00	56.90 3.62 0.00	56.50 4.09 0.00	57.67 4.42 0.00	60.17 4.04 0.00	63.48 4.43 0.00	60.08 3.72 0.00	59.26 3.46 0.00	53.51 3.64 0.00	49.30 3.18 0.00	43.71 2.71 0.00	39.43 2.79 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	55.58 4.45 -0.01	53.04 4.06 -0.01	50.78 3.72 -0.01	48.41 3.42 0.00	46.54 3.37 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	54.00 4.41 0.00	51.79 3.93 0.00	52.92 4.06 0.00	54.37 4.12 0.00	57.54 4.26 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.48 3.68 0.00	53.96 4.09 0.00	49.90 3.78 0.00	44.33 3.32 0.00	40.47 3.81 -0.01



E179THST_13_KV_LOAD 356214	55.93 4.81 -0.01	53.38 4.41 -0.01	51.11 4.05 -0.01	48.73 3.73 0.00	46.80 3.63 0.00	47.82 3.42 0.00	50.16 3.80 0.00	50.74 4.99 0.00	52.49 5.03 0.00	54.34 4.76 0.00	52.13 4.26 0.00	53.22 4.35 0.00	54.72 4.47 0.00	57.91 4.64 0.00	57.65 5.24 0.00	58.74 5.48 0.00	61.18 5.05 0.00	64.25 5.20 0.00	60.70 4.34 0.00	59.87 4.07 0.00	54.36 4.49 0.00	50.22 4.10 0.00	44.62 3.61 0.00	40.69 4.03 -0.01
EAST HAMPTON___GT 23717	60.63 7.06 -2.45	56.56 7.59 -0.01	53.89 6.82 -0.01	51.17 6.16 -0.01	49.42 6.22 -0.02	50.40 5.99 -0.01	52.59 6.21 -0.02	53.32 7.55 -0.02	54.77 7.31 -0.01	56.24 6.65 -0.01	52.09 4.40 0.18	53.41 4.84 0.30	55.28 5.27 0.24	59.03 6.18 0.43	59.49 7.07 -0.01	65.70 7.19 -5.26	63.21 7.07 -0.01	66.91 7.85 0.00	61.97 6.14 0.53	60.76 5.47 0.50	55.36 5.58 0.09	50.12 4.01 0.00	45.36 4.34 -0.01	44.52 5.31 -2.56
EAST RIVER___6 23660	51.65 4.04 3.51	49.72 3.72 2.96	48.05 3.48 2.49	45.42 3.33 2.90	43.93 3.24 2.49	44.92 3.29 2.77	46.73 3.66 3.29	47.17 4.85 3.43	48.58 4.94 3.82	50.07 4.71 4.23	47.78 4.16 4.25	48.66 4.30 4.51	49.71 4.27 4.81	52.36 4.63 5.55	52.06 5.14 5.48	53.08 5.38 5.55	55.29 5.11 5.95	57.81 5.32 6.56	55.12 4.56 5.80	54.42 4.24 5.61	49.44 4.29 4.72	46.27 3.97 3.81	41.85 3.40 2.56	38.62 3.59 1.62
EAST RIVER___7 23524	51.65 4.04 3.51	49.72 3.72 2.96	48.05 3.48 2.49	45.42 3.33 2.90	43.93 3.24 2.49	44.92 3.29 2.77	46.73 3.66 3.29	47.17 4.85 3.43	48.58 4.94 3.82	50.07 4.71 4.23	47.78 4.16 4.25	48.66 4.30 4.51	49.71 4.27 4.81	52.36 4.63 5.55	52.06 5.14 5.48	53.08 5.38 5.55	55.29 5.11 5.95	57.81 5.32 6.56	55.12 4.56 5.80	54.42 4.24 5.61	49.44 4.29 4.72	46.27 3.97 3.81	41.85 3.40 2.56	38.62 3.59 1.62
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	54.70 3.58 0.00	52.29 3.33 0.00	50.12 3.06 0.00	47.92 2.92 0.00	46.02 2.85 0.00	47.33 2.93 0.00	49.61 3.25 0.00	50.15 4.39 0.00	51.82 4.37 0.00	53.65 4.07 0.00	51.51 3.64 0.00	52.63 3.76 0.00	54.17 3.92 0.00	57.38 4.10 0.00	57.02 4.61 0.00	58.15 4.90 0.00	60.67 4.55 0.00	63.95 4.90 0.00	60.47 4.11 0.00	59.59 3.79 0.00	53.91 4.04 0.00	49.71 3.60 0.00	44.12 3.12 0.00	39.83 3.19 0.00
EAST_HAMPTON___DIESEL 23722	60.63 7.06 -2.45	56.56 7.59 -0.01	53.89 6.82 -0.01	51.12 6.12 -0.01	49.37 6.17 -0.02	50.32 5.91 -0.01	52.50 6.12 -0.02	53.24 7.46 -0.02	54.68 7.21 -0.01	56.14 6.54 0.18	51.99 4.31 0.30	53.26 4.69 0.24	55.13 5.13 0.43	58.92 6.07 0.43	59.39 6.97 -0.01	65.60 7.08 -5.26	63.09 6.96 -0.01	66.79 7.73 0.00	61.86 6.03 0.53	60.65 5.36 0.50	55.26 5.49 0.09	49.99 3.87 0.00	45.28 4.26 -0.01	44.49 5.28 -2.56
EAST_POINT___SOLAR 323840	54.60 3.48 0.00	52.20 3.23 0.00	50.07 3.01 0.00	47.65 2.65 0.00	45.72 2.55 0.00	47.25 2.84 0.00	49.00 2.64 0.00	48.41 2.65 0.00	49.92 2.47 0.00	51.62 2.03 0.00	49.69 1.82 0.00	50.62 1.76 0.00	51.91 1.66 0.00	55.09 1.81 0.00	54.45 2.04 0.00	55.65 2.40 0.00	58.20 2.08 0.00	61.59 2.54 0.00	59.06 2.71 0.00	59.20 3.40 0.00	53.36 3.49 0.00	49.11 3.00 0.00	43.43 2.42 0.00	38.96 2.31 0.00
EAST_PULASKI___ESR 323781	50.87 -0.25 0.00	48.62 -0.34 0.00	46.68 -0.38 0.00	44.63 -0.36 0.00	42.78 -0.39 0.00	44.05 -0.36 0.00	45.99 -0.37 0.00	45.34 -0.41 0.00	47.21 -0.43 -0.18	49.04 -0.54 0.00	47.39 -0.48 0.00	48.38 -0.49 0.00	49.50 -0.75 0.00	52.42 -0.85 0.00	51.57 -0.84 0.00	52.56 -0.69 0.00	55.62 -0.51 0.00	58.58 -0.47 0.00	55.91 -0.45 0.00	55.47 -0.33 0.00	49.72 -0.15 0.00	45.93 -0.18 0.00	40.72 -0.29 0.00	36.54 -0.11 0.00
EAST_RIVER___1 323558	54.38 4.04 0.77	52.03 3.72 0.65	50.04 3.53 0.55	47.68 3.33 0.64	45.86 3.24 0.55	47.08 3.29 0.61	49.35 3.71 0.73	49.90 4.90 0.76	51.60 4.98 0.84	53.36 4.71 0.93	51.14 4.21 0.94	52.22 4.35 0.99	53.51 4.32 1.06	56.68 4.63 1.23	56.39 5.19 1.21	57.46 5.43 1.23	59.92 5.11 1.31	63.03 5.43 1.45	59.70 4.62 1.28	58.80 4.24 1.24	53.12 4.29 1.04	49.24 3.97 0.84	43.85 3.40 0.56	39.88 3.59 0.36
EAST_RIVER___2 323559	51.65 4.04 3.51	49.72 3.72 2.96	48.05 3.48 2.49	45.42 3.33 2.90	43.93 3.24 2.49	44.92 3.29 2.77	46.73 3.66 3.29	47.17 4.85 3.43	48.58 4.94 3.82	50.07 4.71 4.23	47.78 4.16 4.25	48.66 4.30 4.51	49.71 4.27 4.81	52.36 4.63 5.55	52.06 5.14 5.48	53.08 5.38 5.55	55.29 5.11 5.95	57.81 5.32 6.56	55.12 4.56 5.80	54.42 4.24 5.61	49.44 4.29 4.72	46.27 3.97 3.81	41.85 3.40 2.56	38.62 3.59 1.62
EAST___DELAWARE_HYD 23607	53.93 2.81 0.00	51.61 2.64 0.00	49.46 2.40 0.00	47.24 2.25 0.00	45.29 2.11 0.00	46.67 2.26 0.00	48.77 2.41 0.00	49.37 3.61 0.00	51.02 3.56 0.00	52.76 3.18 0.00	50.74 2.87 0.00	51.95 3.08 0.00	53.26 3.01 0.00	56.58 3.30 0.00	56.13 3.72 0.00	57.35 4.10 0.00	59.89 3.76 0.00	63.24 4.19 0.00	59.97 3.61 0.00	59.15 3.35 0.00	53.21 3.34 0.00	48.97 2.86 0.00	43.39 2.38 0.00	39.21 2.56 0.00
EIGHT_POINT___WT_PWR 323820	52.55 1.43 0.00	49.99 1.03 0.00	47.72 0.66 0.00	45.44 0.45 0.00	43.35 0.17 0.00	44.98 0.58 0.00	46.78 0.42 0.00	46.67 0.91 0.00	48.41 0.95 0.00	50.48 0.89 0.00	49.16 1.29 0.00	50.04 1.17 0.00	52.36 2.11 0.00	55.41 2.13 0.00	54.24 1.83 0.00	55.12 1.86 0.00	57.53 1.40 0.00	61.12 2.07 0.00	58.33 1.97 0.00	57.97 2.17 0.00	52.26 2.39 0.00	47.82 1.71 0.00	42.07 1.06 0.00	38.07 1.43 0.00
ELBRIDGE_115KV_TB2 80188	51.02 -0.10 0.00	48.77 -0.20 0.00	46.77 -0.28 0.00	44.63 -0.36 0.00	42.79 -0.39 0.00	44.09 -0.31 0.00	45.99 -0.37 0.00	45.25 -0.50 0.00	47.00 -0.62 -0.16	48.99 -0.60 0.00	47.44 -0.43 0.00	48.38 -0.49 0.00	49.80 -0.45 0.00	52.85 -0.43 0.00	52.04 -0.37 0.00	52.93 -0.32 0.00	56.30 0.17 0.00	59.35 0.30 0.00	56.58 0.23 0.00	55.97 0.17 0.00	50.07 0.20 0.00	46.07 -0.05 0.00	40.84 -0.16 0.00	36.68 0.04 0.00
ELEC_TRO_TEK 24086	75.51 4.45 -19.94	53.13 4.16 0.00	51.01 3.95 0.00	48.73 3.73 0.00	46.82 3.63 -0.01	48.18 3.77 0.00	50.44 4.08 0.00	51.02 5.26 0.00	52.63 5.17 0.00	54.05 4.46 0.00	51.22 3.35 0.00	52.39 3.52 0.00	54.17 3.92 0.00	57.33 4.05 0.00	57.33 4.93 0.00	58.42 5.17 0.00	60.95 4.83 0.00	64.25 5.20 0.00	60.47 4.11 0.00	59.59 3.79 0.00	54.06 4.19 0.00	50.03 3.92 0.00	44.86 3.85 0.00	43.10 3.88 -2.56
ELLENBURG_WT_PWR 323604	50.20 -0.92 0.00	48.18 -0.79 0.00	46.21 -0.85 0.00	44.32 -0.67 0.00	42.57 -0.60 0.00	43.65 -0.76 0.00	45.62 -0.74 0.00	45.25 -0.50 0.00	47.13 -0.33 0.00	49.24 -0.34 0.00	47.68 -0.19 0.00	48.38 -0.49 0.00	49.65 -0.60 0.00	52.74 -0.53 0.00	51.62 -0.78 0.00	52.30 -0.96 0.00	55.23 -0.90 0.00	57.87 -1.18 0.00	55.29 -1.07 0.00	55.07 -0.73 0.00	49.12 -0.75 0.00	46.02 -0.09 0.00	40.97 -0.04 0.00	36.21 -0.44 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	51.17 0.05 0.00	48.87 -0.10 0.00	46.45 -0.61 0.00	44.23 -0.76 0.00	42.09 -1.08 0.00	43.65 -0.75 0.00	45.43 -0.93 0.00	44.66 -1.10 0.00	46.60 -0.85 0.00	48.79 -0.79 0.00	47.87 0.00 0.00	48.72 -0.15 0.00	51.15 0.90 0.00	54.77 1.49 0.00	53.46 1.05 0.00	53.78 0.53 0.00	56.52 0.39 0.00	59.58 0.53 0.00	56.92 0.56 0.00	56.13 0.33 0.00	49.82 -0.05 0.00	45.52 -0.60 0.00	40.39 -0.62 0.00	37.01 0.37 0.00
EMPIRE_CC_1 323656	52.35 1.22 0.00	50.14 1.17 0.00	48.18 1.13 0.00	46.03 1.04 0.00	44.25 1.08 0.00	45.56 1.15 0.00	47.61 1.25 0.00	46.94 1.19 0.00	48.36 0.90 0.00	50.18 0.60 0.00	48.30 0.43 0.00	49.36 0.49 0.00	50.60 0.35 0.00	53.65 0.38 0.00	53.14 0.73 0.00	54.16 0.90 0.00	56.75 0.62 0.00	59.76 0.71 0.00	56.86 0.51 0.00	56.19 0.39 0.00	50.42 0.55 0.00	46.67 0.56 0.00	41.42 0.41 0.00	37.31 0.66 0.00
EMPIRE_CC_2 323658	52.35 1.22 0.00	50.14 1.17 0.00	48.18 1.13 0.00	46.03 1.04 0.00	44.25 1.08 0.00	45.56 1.15 0.00	47.61 1.25 0.00	46.94 1.19 0.00	48.36 0.90 0.00	50.18 0.60 0.00	48.30 0.43 0.00	49.36 0.49 0.00	50.60 0.35 0.00	53.65 0.38 0.00	53.14 0.73 0.00	54.16 0.90 0.00	56.75 0.62 0.00	59.76 0.71 0.00	56.86 0.51 0.00	56.19 0.39 0.00	50.42 0.55 0.00	46.67 0.56 0.00	41.42 0.41 0.00	37.31 0.66 0.00
ENORWICH_115KV_TB1 80156	55.16 4.04 0.00	52.73 3.77 0.00	50.49 3.44 0.00	48.14 3.15 0.00	46.02 2.85 0.00	47.42 3.02 0.00	49.42 3.06 0.00	50.24 4.48 0.00	51.97 4.51 0.00	53.90 4.31 0.00	51.89 4.02 0.00	53.17 4.30 0.00	54.72 4.47 0.00	58.12 4.85 0.00	57.33 4.93 0.00	58.63 5.38 0.00	60.45 4.32 0.00	64.25 5.20 0.00	61.26 4.90 0.00	60.71 4.91 0.00	54.41 4.54 0.00	49.67 3.55 0.00	43.67 2.67 0.00	39.21 2.57 0.00
ERIE_ST__34_KV_TB1-2 80199	51.43 0.31 0.00	49.11 0.15 0.00	46.63 -0.42 0.00	44.41 -0.58 0.00	42.27 -0.91 0.00	43.83 -0.58 0.00	45.67 -0.70 0.00	44.98 -0.78 0.00	47.03 -0.43 0.00	49.29 -0.30 0.00	48.25 0.38 0.00	49.21 0.34 0.00	51.61 1.36 0.00	55.30 2.02 0.00	54.03 1.62 0.00	54.53 1.28 0.00	57.14 1.01 0.00	60.23 1.18 0.00	57.54 1.18 0.00	56.75 0.95 0.00	50.27 0.40 0.00	45.88 -0.23 0.00	40.60 -0.41 0.00	37.23 0.59 0.00
ERIE_WT_PWR 323693	51.63 0.51 0.00	49.11 0.15 0.00	46.68 -0.38 0.00	44.50 -0.49 0.00	42.31 -0.86 0.00	43.87 -0.53 0.00	45.67 -0.69 0.00	44.93 -0.82 0.00	46.94 -0.52 0.00	49.14 -0.45 0.00	48.30 0.43 0.00	49.21 0.34 0.00	52.21 1.96 0.00	55.25 1.97 0.00	53.72 1.31 0.00	54.21 0.96 0.00	56.91 0.79 0.00	60.41 1.36 0.00	57.26 0.90 0.00	56.52 0.72 0.00	50.96 1.10 0.00	46.25 0.14 0.00	40.93 -0.08 0.00	37.23 0.58 0.00
ESPRGFLD_115KV_TB1 80157	53.42 2.30 0.00	51.12 2.15 0.00	49.13 2.07 0.00	46.88 1.89 0.00	44.94 1.77 0.00	46.40 2.00 0.00	48.36 1.99 0.00	48.41 2.65 0.00	50.07 2.61 0.00	51.91 2.33 0.00	50.02 2.15 0.00	51.16 2.30 0.00	52.56 2.31 0.00	55.78 2.50 0.00	55.13 2.73 0.00	56.23 2.98 0.00	58.65 2.53 0.00	62.00 2.95 0.00	59.12 2.76 0.00	58.64 2.85 0.00	52.66 2.79 0.00	48.37 2.26 0.00	42.73 1.72 0.00	38.33 1.69 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	52.45 1.33 0.00	50.09 1.13 0.00	48.05 0.99 0.00	45.85 0.85 0.00	43.91 0.73 0.00	45.29 0.89 0.00	47.20 0.83 0.00	47.91 2.15 0.00	49.58 2.09 -0.04	51.57 1.98 0.00	49.88 2.01 0.00	50.92 2.05 0.00	52.56 2.31 0.00	55.89 2.61 0.00	55.08 2.67 0.00	56.07 2.82 0.00	57.75 1.63 0.00	61.12 2.07 0.00	58.33 1.97 0.00	57.75 1.95 0.00	51.71 1.85 0.00	47.50 1.38 0.00	41.99 0.98 0.00	37.75 1.10 0.00
ETNA____115KV_TB2 80207	52.45 1.33 0.00	50.09 1.13 0.00	48.05 0.99 0.00	45.85 0.85 0.00	43.91 0.73 0.00	45.29 0.89 0.00	47.20 0.83 0.00	47.91 2.15 0.00	49.58 2.09 -0.04	51.57 1.98 0.00	49.88 2.01 0.00	50.92 2.05 0.00	52.56 2.31 0.00	55.89 2.61 0.00	55.08 2.67 0.00	56.07 2.82 0.00	57.75 1.63 0.00	61.12 2.07 0.00	58.33 1.97 0.00	57.75 1.95 0.00	51.71 1.85 0.00	47.50 1.38 0.00	41.99 0.98 0.00	37.75 1.10 0.00
EUCLID____115KV_TB2 356179	50.66 -0.46 0.00	48.48 -0.49 0.00	46.49 -0.56 0.00	44.41 -0.58 0.00	42.53 -0.65 0.00	43.83 -0.58 0.00	45.71 -0.65 0.00	45.02 -0.73 0.00	46.77 -0.76 -0.07	48.84 -0.74 0.00	47.29 -0.57 0.00	48.23 -0.64 0.00	49.70 -0.55 0.00	52.74 -0.53 0.00	51.88 -0.52 0.00	52.77 -0.48 0.00	55.90 -0.22 0.00	58.93 -0.12 0.00	56.19 -0.17 0.00	55.57 -0.22 0.00	49.67 -0.20 0.00	45.75 -0.37 0.00	40.56 -0.45 0.00	36.43 -0.22 0.00
E_CANADA_CAP_HY 24051	53.78 2.66 0.00	51.41 2.45 0.00	49.41 2.35 0.00	47.02 2.03 0.00	45.12 1.94 0.00	46.58 2.18 0.00	48.54 2.18 0.00	48.23 2.47 0.00	49.78 2.32 0.00	51.52 1.93 0.00	49.59 1.72 0.00	50.62 1.76 0.00	51.91 1.66 0.00	55.03 1.76 0.00	54.45 2.04 0.00	55.65 2.40 0.00	58.26 2.13 0.00	61.59 2.54 0.00	58.95 2.59 0.00	58.64 2.84 0.00	52.66 2.79 0.00	48.47 2.35 0.00	42.81 1.80 0.00	38.44 1.80 0.00
E_CANADA_MHWK_HY 24050	53.11 1.99 0.00	50.87 1.91 0.00	48.85 1.79 0.00	46.66 1.67 0.00	44.73 1.55 0.00	46.00 1.60 0.00	47.98 1.62 0.00	47.50 1.74 0.00	49.31 1.85 0.00	51.42 1.84 0.00	49.54 1.67 0.00	50.62 1.76 0.00	52.06 1.81 0.00	55.19 1.92 0.00	54.40 1.99 0.00	55.33 2.07 0.00	58.20 2.08 0.00	61.24 2.19 0.00	58.33 1.97 0.00	57.64 1.84 0.00	51.51 1.64 0.00	47.45 1.34 0.00	42.12 1.11 0.00	37.64 0.99 0.00
E_FISHKILL___LBMP 23776	54.09 2.96 0.00	51.76 2.79 0.00	49.65 2.59 0.00	47.47 2.47 0.00	45.59 2.42 0.00	46.85 2.44 0.00	49.05 2.69 0.00	49.51 3.75 0.00	51.16 3.70 0.00	52.96 3.37 0.00	50.88 3.02 0.00	51.95 3.08 0.00	53.47 3.22 0.00	56.63 3.36 0.00	56.23 3.83 0.00	57.35 4.10 0.00	59.89 3.76 0.00	63.13 4.07 0.00	59.80 3.44 0.00	58.92 3.12 0.00	53.26 3.39 0.00	49.16 3.04 0.00	43.59 2.58 0.00	39.36 2.71 0.00
FALCON___SEABRD_CC1 323796	50.15 -0.97 0.00	48.43 -0.54 0.00	46.44 -0.61 0.00	44.54 -0.45 0.00	42.83 -0.35 0.00	43.92 -0.49 0.00	45.90 -0.46 0.00	45.53 -0.23 0.00	47.41 -0.05 0.00	49.29 -0.30 0.00	47.96 0.10 0.00	48.43 -0.44 0.00	49.70 -0.55 0.00	52.85 -0.43 0.00	51.67 -0.73 0.00	52.35 -0.91 0.00	55.29 -0.84 0.00	57.99 -1.06 0.00	55.35 -1.01 0.00	55.19 -0.61 0.00	49.37 -0.50 0.00	46.62 0.51 0.00	41.50 0.49 0.00	36.68 0.04 0.00
FALCON___SEABRD_CC2 323797	50.15 -0.97 0.00	48.43 -0.54 0.00	46.44 -0.61 0.00	44.54 -0.45 0.00	42.83 -0.35 0.00	43.92 -0.49 0.00	45.90 -0.46 0.00	45.53 -0.23 0.00	47.41 -0.05 0.00	49.29 -0.30 0.00	47.96 0.10 0.00	48.43 -0.44 0.00	49.70 -0.55 0.00	52.85 -0.43 0.00	51.67 -0.73 0.00	52.35 -0.91 0.00	55.29 -0.84 0.00	57.99 -1.06 0.00	55.35 -1.01 0.00	55.19 -0.61 0.00	49.37 -0.50 0.00	46.62 0.51 0.00	41.50 0.49 0.00	36.68 0.04 0.00



FAR ROCKAWAY___4 23548	101.77 5.78 -44.87	54.30 5.34 0.00	52.05 4.99 0.00	49.67 4.68 0.00	47.68 4.49 -0.01	49.02 4.62 0.00	51.37 5.01 0.00	51.93 6.18 0.00	53.63 6.17 0.00	55.04 5.45 0.00	52.18 4.31 0.00	53.36 4.50 0.00	55.22 4.97 0.00	58.50 5.22 0.00	58.49 6.08 0.00	59.59 6.34 0.00	62.19 6.06 0.00	65.61 6.55 0.00	61.77 5.41 0.00	60.82 5.02 0.00	55.15 5.29 0.00	50.96 4.84 0.00	45.64 4.63 0.00	43.72 4.51 -2.56
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	55.31 4.19 0.00	52.78 3.82 0.00	50.59 3.53 0.00	48.32 3.33 0.00	46.41 3.24 0.00	47.73 3.33 0.00	50.07 3.71 0.00	50.74 4.99 0.00	52.49 5.03 0.00	54.34 4.76 0.00	52.13 4.26 0.00	53.22 4.35 0.00	54.77 4.52 0.00	57.91 4.64 0.00	57.60 5.19 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.48 5.43 0.00	60.87 4.51 0.00	59.98 4.18 0.00	54.41 4.54 0.00	50.22 4.10 0.00	44.53 3.53 0.00	40.27 3.63 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	55.31 4.19 0.00	52.78 3.82 0.00	50.59 3.53 0.00	48.37 3.37 0.00	46.45 3.28 0.00	47.73 3.33 0.00	50.07 3.71 0.00	50.74 4.99 0.00	52.49 5.03 0.00	54.34 4.76 0.00	52.13 4.26 0.00	53.22 4.35 0.00	54.72 4.47 0.00	57.91 4.64 0.00	57.60 5.19 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.48 5.43 0.00	60.87 4.51 0.00	60.04 4.24 0.00	54.41 4.54 0.00	50.22 4.10 0.00	44.53 3.53 0.00	40.27 3.63 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	55.26 4.14 0.00	52.73 3.77 0.00	50.54 3.48 0.00	48.32 3.33 0.00	46.41 3.24 0.00	47.69 3.29 0.00	50.07 3.71 0.00	50.70 4.94 0.00	52.44 4.98 0.00	54.29 4.71 0.00	52.08 4.21 0.00	53.17 4.30 0.00	54.72 4.47 0.00	57.86 4.58 0.00	57.54 5.14 0.00	58.68 5.43 0.00	61.23 5.11 0.00	64.42 5.37 0.00	60.81 4.45 0.00	59.93 4.13 0.00	54.36 4.49 0.00	50.17 4.06 0.00	44.49 3.49 0.00	40.24 3.59 0.00
FARRAGUT___LBMP 323566	55.21 4.09 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.28 3.28 0.00	46.37 3.19 0.00	47.65 3.24 0.00	49.98 3.62 0.00	50.65 4.90 0.00	52.39 4.94 0.00	54.24 4.66 0.00	52.03 4.16 0.00	53.12 4.25 0.00	54.62 4.37 0.00	57.80 4.53 0.00	57.49 5.08 0.00	58.63 5.38 0.00	61.12 5.00 0.00	64.37 5.31 0.00	60.75 4.40 0.00	59.87 4.07 0.00	54.31 4.44 0.00	50.13 4.01 0.00	44.45 3.44 0.00	40.20 3.55 0.00
FENNER___WINDPWR 24204	52.40 1.28 0.00	50.09 1.13 0.00	48.09 1.03 0.00	45.94 0.95 0.00	44.04 0.86 0.00	45.34 0.93 0.00	47.29 0.93 0.00	47.26 1.51 0.00	49.02 1.56 0.00	51.07 1.49 0.00	49.30 1.43 0.00	50.43 1.56 0.00	51.91 1.66 0.00	55.03 1.76 0.00	54.24 1.83 0.00	55.28 2.02 0.00	57.70 1.57 0.00	60.94 1.89 0.00	58.05 1.69 0.00	57.47 1.67 0.00	51.51 1.64 0.00	47.36 1.25 0.00	41.91 0.90 0.00	37.56 0.92 0.00
FIBERTEK___ENERGY 23856	51.22 0.10 0.00	48.96 0.00 0.00	46.96 -0.09 0.00	44.86 -0.13 0.00	42.96 -0.22 0.00	44.27 -0.13 0.00	46.22 -0.14 0.00	45.53 -0.23 0.00	47.32 -0.28 -0.15	49.34 -0.25 0.00	47.72 -0.14 0.00	48.72 -0.15 0.00	50.15 -0.10 0.00	53.17 -0.11 0.00	52.36 -0.05 0.00	53.31 0.05 0.00	56.58 0.45 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.27 0.40 0.00	46.30 0.18 0.00	41.01 0.00 0.00	36.87 0.22 0.00
FITZPATRICK___ 23598	49.84 -1.28 0.00	47.69 -1.27 0.00	45.74 -1.32 0.00	43.69 -1.31 0.00	41.88 -1.29 0.00	43.16 -1.24 0.00	45.02 -1.35 0.00	44.34 -1.42 0.00	45.00 -1.47 0.99	48.05 -1.54 0.00	46.53 -1.34 0.00	47.45 -1.42 0.00	48.90 -1.35 0.00	51.78 -1.49 0.00	50.94 -1.47 0.00	51.82 -1.44 0.00	54.89 -1.24 0.00	57.81 -1.24 0.00	55.12 -1.24 0.00	54.57 -1.23 0.00	48.82 -1.05 0.00	45.01 -1.11 0.00	39.94 -1.07 0.00	35.80 -0.84 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	54.85 3.73 0.00	52.49 3.53 0.00	50.26 3.20 0.00	47.96 2.97 0.00	46.07 2.89 0.00	47.42 3.02 0.00	49.61 3.25 0.00	50.06 4.30 0.00	51.73 4.27 0.00	53.55 3.97 0.00	51.60 3.73 0.00	52.68 3.81 0.00	54.12 3.87 0.00	57.33 4.05 0.00	56.92 4.51 0.00	58.10 4.85 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.47 4.11 0.00	59.70 3.91 0.00	53.91 4.04 0.00	49.62 3.50 0.00	44.00 2.99 0.00	39.72 3.08 0.00
FORT ORANGE___ 23900	52.09 0.97 0.00	49.89 0.93 0.00	47.95 0.89 0.00	45.76 0.76 0.00	43.95 0.78 0.00	45.25 0.84 0.00	47.24 0.88 0.00	46.81 1.05 0.00	48.26 0.81 0.00	50.03 0.45 0.00	48.16 0.29 0.00	49.16 0.29 0.00	50.35 0.10 0.00	53.44 0.16 0.00	52.88 0.47 0.00	53.94 0.69 0.00	56.57 0.45 0.00	59.70 0.65 0.00	56.81 0.45 0.00	56.19 0.39 0.00	50.37 0.50 0.00	46.95 0.83 0.00	41.75 0.74 0.00	37.60 0.95 0.00
FORT_DRUM_COGEN 23780	52.04 0.92 0.00	49.94 0.98 0.00	47.95 0.89 0.00	46.03 1.03 0.00	44.12 0.95 0.00	45.38 0.98 0.00	47.34 0.97 0.00	46.99 1.24 0.00	48.80 1.23 -0.11	50.62 1.04 0.00	48.59 0.72 0.00	49.75 0.88 0.00	50.85 0.60 0.00	53.92 0.64 0.00	53.09 0.68 0.00	54.16 0.91 0.00	57.02 0.90 0.00	60.11 1.06 0.00	57.54 1.18 0.00	57.25 1.45 0.00	51.41 1.55 0.00	47.22 1.11 0.00	41.83 0.82 0.00	37.27 0.62 0.00
FOX_HILLS___ESR 323835	55.37 4.24 -0.01	52.73 3.77 0.00	50.83 3.76 -0.01	48.65 3.64 -0.01	46.72 3.54 -0.01	47.87 3.46 0.00	50.07 3.71 0.00	50.38 4.62 0.00	52.01 4.56 0.01	52.49 4.26 1.35	51.69 3.83 0.01	52.82 3.96 0.01	54.31 4.07 0.01	56.75 4.16 0.68	57.17 4.77 0.01	56.85 5.01 1.40	59.03 4.60 1.70	57.25 4.67 6.46	56.01 3.89 4.24	56.08 3.57 3.29	53.90 4.04 0.01	50.13 4.01 0.00	44.83 3.81 -0.01	40.58 3.92 -0.01
FPL_FAR_ROCK_GT1 24212	101.67 5.67 -44.87	54.26 5.29 0.00	52.01 4.94 -0.01	49.68 4.68 -0.01	47.68 4.49 -0.01	49.03 4.62 -0.01	51.38 5.01 -0.01	51.90 6.13 -0.01	53.49 6.03 0.00	55.04 5.45 0.00	52.08 4.21 0.00	53.41 4.55 0.00	54.92 4.67 0.00	58.50 5.22 0.00	58.38 5.97 0.00	59.48 6.23 0.00	62.14 6.01 0.00	65.61 6.55 0.00	61.77 5.41 0.00	60.71 4.91 0.00	54.96 5.09 0.00	50.59 4.47 0.00	45.57 4.55 -0.01	43.72 4.51 -2.56
FPL_FAR_ROCK_GT2 23815	101.67 5.67 -44.87	54.26 5.29 0.00	52.01 4.94 -0.01	49.68 4.68 -0.01	47.68 4.49 -0.01	49.03 4.62 -0.01	51.38 5.01 -0.01	51.90 6.13 -0.01	53.49 6.03 0.00	55.04 5.45 0.00	52.08 4.21 0.00	53.41 4.55 0.00	54.92 4.67 0.00	58.50 5.22 0.00	58.38 5.97 0.00	59.48 6.23 0.00	62.14 6.01 0.00	65.61 6.55 0.00	61.77 5.41 0.00	60.71 4.91 0.00	54.96 5.09 0.00	50.59 4.47 0.00	45.57 4.55 -0.01	43.72 4.51 -2.56
FRANKLIN_FALL_HYD 24054	50.66 -0.46 0.00	48.48 -0.49 0.00	46.68 -0.38 0.00	44.81 -0.18 0.00	43.09 -0.09 0.00	44.18 -0.22 0.00	46.18 -0.19 0.00	45.80 0.05 0.00	47.70 0.24 0.00	49.88 0.30 0.00	48.20 0.34 0.00	49.21 0.34 0.00	50.25 0.00 0.00	53.49 0.21 0.00	52.15 -0.26 0.00	52.93 -0.32 0.00	55.73 -0.39 0.00	58.46 -0.59 0.00	55.74 -0.62 0.00	55.69 -0.11 0.00	49.77 -0.10 0.00	46.58 0.46 0.00	41.46 0.45 0.00	36.57 -0.07 0.00



FREEPORT_EQUS_GT1 23764	73.68 4.80 -17.75	53.62 4.65 0.00	51.49 4.42 -0.01	49.19 4.19 -0.01	47.29 4.10 -0.01	48.63 4.22 -0.01	50.92 4.55 -0.01	51.48 5.72 -0.01	52.96 5.50 0.00	54.45 4.86 0.00	51.41 3.54 0.00	52.73 3.86 0.00	54.22 3.97 0.00	57.75 4.48 0.00	57.65 5.24 0.00	58.74 5.49 0.00	61.40 5.27 0.00	64.78 5.73 0.00	61.03 4.68 0.00	59.99 4.19 0.00	54.31 4.44 0.00	50.03 3.92 0.00	45.24 4.22 -0.01	43.53 4.32 -2.56
FREEPORT___CT2 23818	73.68 4.80 -17.75	53.62 4.65 0.00	51.49 4.42 -0.01	49.19 4.19 -0.01	47.29 4.10 -0.01	48.63 4.22 -0.01	50.92 4.55 -0.01	51.48 5.72 -0.01	52.96 5.50 0.00	54.45 4.86 0.00	51.41 3.54 0.00	52.73 3.86 0.00	54.22 3.97 0.00	57.75 4.48 0.00	57.65 5.24 0.00	58.74 5.49 0.00	61.40 5.27 0.00	64.78 5.73 0.00	61.03 4.68 0.00	59.99 4.19 0.00	54.31 4.44 0.00	50.03 3.92 0.00	45.24 4.22 -0.01	43.53 4.32 -2.56
FRESHKLS_33_KV_LOAD 356253	55.32 4.19 -0.01	52.69 3.72 0.00	50.88 3.81 -0.01	48.78 3.78 -0.01	46.85 3.67 -0.01	48.00 3.60 0.00	50.12 3.76 0.00	50.42 4.67 0.00	51.96 4.51 0.01	52.45 4.21 1.35	51.64 3.78 0.01	52.72 3.86 0.01	54.26 4.02 0.01	56.70 4.10 0.68	57.17 4.77 0.01	56.85 5.01 1.40	59.03 4.60 1.70	57.31 4.72 6.46	56.01 3.89 4.24	56.08 3.57 3.29	53.95 4.09 0.01	50.27 4.15 0.00	44.99 3.98 -0.01	40.72 4.07 -0.01
FULTON COGEN____ 23766	50.20 -0.92 0.00	48.08 -0.88 0.00	46.12 -0.94 0.00	44.05 -0.94 0.00	42.22 -0.95 0.00	43.52 -0.89 0.00	45.43 -0.93 0.00	44.70 -1.05 0.00	46.64 -1.09 -0.27	48.44 -1.14 0.00	46.86 -1.01 0.00	47.79 -1.08 0.00	49.19 -1.06 0.00	52.21 -1.07 0.00	51.41 -1.00 0.00	52.29 -0.96 0.00	55.51 -0.62 0.00	58.40 -0.65 0.00	55.74 -0.62 0.00	55.13 -0.67 0.00	49.32 -0.55 0.00	45.38 -0.74 0.00	40.27 -0.74 0.00	36.17 -0.48 0.00
FULTON___LFGE 323630	54.40 3.27 0.00	52.00 3.04 0.00	49.93 2.87 0.00	47.51 2.52 0.00	45.59 2.42 0.00	47.11 2.71 0.00	49.05 2.69 0.00	48.73 2.97 0.00	50.31 2.85 0.00	52.06 2.48 0.00	50.07 2.20 0.00	51.12 2.25 0.00	52.36 2.11 0.00	55.51 2.24 0.00	54.92 2.52 0.00	56.13 2.87 0.00	58.88 2.75 0.00	62.24 3.19 0.00	59.51 3.15 0.00	59.15 3.35 0.00	53.11 3.24 0.00	48.88 2.77 0.00	43.26 2.25 0.00	38.81 2.16 0.00
G.F.CEMENT___DRP 24184	54.09 2.96 0.00	51.71 2.74 0.00	49.55 2.49 0.00	47.11 2.11 0.00	45.33 2.16 0.00	46.67 2.26 0.00	48.63 2.27 0.00	48.55 2.79 0.00	50.26 2.80 0.00	52.06 2.48 0.00	49.73 1.87 0.00	50.87 2.00 0.00	52.01 1.76 0.00	54.93 1.65 0.00	54.50 2.10 0.00	55.60 2.34 0.00	58.32 2.19 0.00	61.65 2.60 0.00	59.12 2.76 0.00	58.53 2.73 0.00	52.66 2.79 0.00	48.56 2.44 0.00	43.06 2.05 0.00	38.70 2.05 0.00
GARDENVILLE___LBMP 24039	51.27 0.15 0.00	48.96 0.00 0.00	46.59 -0.47 0.00	44.36 -0.63 0.00	42.22 -0.95 0.00	43.78 -0.62 0.00	45.53 -0.83 0.00	44.80 -0.96 0.00	46.79 -0.66 0.00	48.94 -0.64 0.00	47.96 0.10 0.00	48.82 -0.05 0.00	51.20 0.95 0.00	54.82 1.55 0.00	53.51 1.10 0.00	53.89 0.64 0.00	56.63 0.51 0.00	59.70 0.65 0.00	57.04 0.68 0.00	56.36 0.56 0.00	50.02 0.15 0.00	45.70 -0.42 0.00	40.52 -0.49 0.00	37.12 0.48 0.00
GARDNVLA_35_KV_LD 355827	51.48 0.36 0.00	49.21 0.24 0.00	46.73 -0.33 0.00	44.50 -0.49 0.00	42.35 -0.82 0.00	43.92 -0.49 0.00	45.71 -0.65 0.00	44.98 -0.78 0.00	46.98 -0.47 0.00	49.19 -0.40 0.00	48.25 0.38 0.00	49.11 0.24 0.00	51.51 1.26 0.00	55.19 1.92 0.00	53.88 1.47 0.00	54.26 1.01 0.00	56.97 0.84 0.00	60.11 1.06 0.00	57.37 1.01 0.00	56.64 0.84 0.00	50.22 0.35 0.00	45.88 -0.23 0.00	40.68 -0.33 0.00	37.27 0.62 0.00
GELCKHM___115KV_LOAD 80723	50.86 -0.26 0.00	48.62 -0.34 0.00	46.68 -0.38 0.00	44.54 -0.45 0.00	42.70 -0.47 0.00	44.00 -0.40 0.00	45.90 -0.46 0.00	45.21 -0.55 0.00	46.99 -0.57 -0.10	49.04 -0.55 0.00	47.44 -0.43 0.00	48.43 -0.44 0.00	49.85 -0.40 0.00	52.90 -0.37 0.00	52.09 -0.31 0.00	52.99 -0.27 0.00	56.18 0.06 0.00	59.17 0.12 0.00	56.42 0.06 0.00	55.80 0.00 0.00	49.92 0.05 0.00	45.93 -0.18 0.00	40.72 -0.29 0.00	36.57 -0.07 0.00
GENERAL___MILLS 23808	51.38 0.26 0.00	49.06 0.10 0.00	46.63 -0.42 0.00	44.45 -0.54 0.00	42.27 -0.91 0.00	43.83 -0.58 0.00	45.62 -0.74 0.00	44.89 -0.87 0.00	46.89 -0.57 0.00	49.09 -0.50 0.00	48.11 0.24 0.00	49.01 0.15 0.00	51.41 1.16 0.00	55.03 1.76 0.00	53.72 1.31 0.00	54.10 0.85 0.00	56.80 0.67 0.00	59.94 0.89 0.00	57.20 0.85 0.00	56.47 0.67 0.00	50.12 0.25 0.00	45.75 -0.37 0.00	40.60 -0.41 0.00	37.20 0.55 0.00
GE_PLASTICS___DRP 24183	52.35 1.23 0.00	50.14 1.18 0.00	48.19 1.13 0.00	46.03 1.03 0.00	44.21 1.04 0.00	45.51 1.11 0.00	47.52 1.16 0.00	47.08 1.33 0.00	48.60 1.14 0.00	50.43 0.84 0.00	48.59 0.72 0.00	49.60 0.73 0.00	50.95 0.70 0.00	53.97 0.69 0.00	53.40 1.00 0.00	54.42 1.17 0.00	57.08 0.95 0.00	60.17 1.12 0.00	57.20 0.85 0.00	56.52 0.73 0.00	50.82 0.95 0.00	46.99 0.88 0.00	41.75 0.74 0.00	37.56 0.92 0.00
GILBOA___1 23756	52.60 1.48 0.00	50.53 1.57 0.00	48.94 1.88 0.00	46.93 1.93 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.26 1.90 0.00	47.91 2.15 0.00	49.36 1.90 0.00	51.27 1.69 0.00	49.35 1.49 0.00	50.43 1.56 0.00	51.81 1.56 0.00	54.98 1.70 0.00	54.40 1.99 0.00	55.44 2.18 0.00	57.98 1.85 0.00	61.12 2.07 0.00	58.11 1.75 0.00	57.36 1.56 0.00	51.51 1.64 0.00	47.55 1.43 0.00	42.20 1.19 0.00	38.00 1.36 0.00
GILBOA___2 23757	52.60 1.48 0.00	50.53 1.57 0.00	48.94 1.88 0.00	46.93 1.93 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.26 1.90 0.00	47.91 2.15 0.00	49.36 1.90 0.00	51.27 1.69 0.00	49.35 1.49 0.00	50.43 1.56 0.00	51.81 1.56 0.00	54.98 1.70 0.00	54.40 1.99 0.00	55.44 2.18 0.00	57.98 1.85 0.00	61.12 2.07 0.00	58.11 1.75 0.00	57.36 1.56 0.00	51.51 1.64 0.00	47.55 1.43 0.00	42.20 1.19 0.00	38.00 1.36 0.00
GILBOA___3 23758	52.60 1.48 0.00	50.53 1.57 0.00	48.94 1.88 0.00	46.93 1.93 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.26 1.90 0.00	47.91 2.15 0.00	49.36 1.90 0.00	51.27 1.69 0.00	49.35 1.49 0.00	50.43 1.56 0.00	51.81 1.56 0.00	54.98 1.70 0.00	54.40 1.99 0.00	55.44 2.18 0.00	57.98 1.85 0.00	61.12 2.07 0.00	58.11 1.75 0.00	57.36 1.56 0.00	51.51 1.64 0.00	47.55 1.43 0.00	42.20 1.19 0.00	38.00 1.36 0.00
GILBOA___4 23759	52.60 1.48 0.00	50.53 1.57 0.00	48.94 1.88 0.00	46.93 1.93 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.26 1.90 0.00	47.91 2.15 0.00	49.36 1.90 0.00	51.27 1.69 0.00	49.35 1.49 0.00	50.43 1.56 0.00	51.81 1.56 0.00	54.98 1.70 0.00	54.40 1.99 0.00	55.44 2.18 0.00	57.98 1.85 0.00	61.12 2.07 0.00	58.11 1.75 0.00	57.36 1.56 0.00	51.51 1.64 0.00	47.55 1.43 0.00	42.20 1.19 0.00	38.00 1.36 0.00



GILBOA____ 23599	52.65 1.53 0.00	50.58 1.62 0.00	48.94 1.88 0.00	46.93 1.93 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.26 1.90 0.00	47.91 2.15 0.00	49.36 1.90 0.00	51.27 1.69 0.00	49.35 1.48 0.00	50.43 1.56 0.00	51.86 1.61 0.00	54.98 1.70 0.00	54.40 1.99 0.00	55.44 2.18 0.00	57.98 1.85 0.00	61.12 2.07 0.00	58.05 1.69 0.00	57.36 1.56 0.00	51.56 1.70 0.00	47.64 1.52 0.00	42.24 1.23 0.00	38.00 1.36 0.00
GINNA____ 23603	49.33 -1.79 0.00	47.00 -1.96 0.00	44.85 -2.21 0.00	42.70 -2.29 0.00	40.76 -2.42 0.00	42.14 -2.26 0.00	43.90 -2.46 0.00	43.42 -2.33 0.00	45.28 -2.18 0.00	47.30 -2.28 0.00	46.29 -1.58 0.00	47.16 -1.71 0.00	49.29 -0.96 0.00	51.95 -1.33 0.00	50.89 -1.52 0.00	51.55 -1.71 0.00	54.56 -1.57 0.00	57.52 -1.54 0.00	54.72 -1.64 0.00	54.01 -1.79 0.00	48.52 -1.34 0.00	44.32 -1.80 0.00	39.25 -1.76 0.00	35.36 -1.28 0.00
GLEN PARK____ 23778	52.40 1.28 0.00	50.19 1.22 0.00	48.18 1.13 0.00	46.21 1.22 0.00	44.29 1.12 0.00	45.51 1.11 0.00	47.52 1.16 0.00	47.18 1.42 0.00	48.97 1.42 -0.08	50.72 1.14 0.00	48.73 0.86 0.00	49.84 0.98 0.00	50.95 0.70 0.00	53.97 0.69 0.00	53.09 0.68 0.00	54.26 1.01 0.00	57.19 1.06 0.00	60.35 1.30 0.00	57.77 1.41 0.00	57.53 1.73 0.00	51.76 1.89 0.00	47.55 1.43 0.00	42.07 1.06 0.00	37.45 0.81 0.00
GLENDALE_27_KV_LOAD 356172	55.73 4.60 -0.01	53.18 4.21 0.00	50.97 3.91 -0.01	48.64 3.64 0.00	46.76 3.58 0.00	47.96 3.55 0.00	50.35 3.99 0.00	50.93 5.17 0.00	52.68 5.22 0.00	54.54 4.96 0.00	52.32 4.45 0.00	53.46 4.59 0.00	54.92 4.67 0.00	58.12 4.85 0.00	57.86 5.45 0.00	59.00 5.75 0.00	61.40 5.28 0.00	64.54 5.49 0.00	60.92 4.57 0.00	60.09 4.30 0.00	54.56 4.69 0.00	50.40 4.29 0.00	44.78 3.77 0.00	40.58 3.92 -0.01
GLENWOOD_IC_1_G5 23712	67.59 4.50 -11.97	53.18 4.21 0.00	50.96 3.91 0.00	48.73 3.73 0.00	46.82 3.63 -0.01	48.13 3.73 0.00	50.44 4.08 0.00	51.02 5.26 0.00	52.68 5.22 0.00	54.29 4.71 0.00	51.79 3.93 0.00	52.83 3.96 0.00	54.52 4.27 0.00	57.70 4.42 0.00	57.60 5.19 0.00	58.68 5.43 0.00	61.23 5.11 0.00	64.54 5.49 0.00	60.81 4.45 0.00	59.93 4.13 0.00	54.26 4.39 0.00	50.31 4.20 0.00	44.86 3.85 0.00	43.06 3.85 -2.56
GLENWOOD_IC_2_G1 23688	61.00 4.04 -5.84	52.74 3.77 0.00	50.64 3.57 -0.01	48.38 3.38 -0.01	46.51 3.32 -0.01	47.83 3.42 -0.01	50.08 3.71 -0.01	50.61 4.85 -0.01	52.25 4.79 0.00	53.99 4.41 0.00	51.50 3.64 0.00	52.78 3.91 0.00	54.17 3.92 0.00	57.59 4.31 0.00	57.33 4.92 0.00	58.42 5.16 0.00	61.01 4.88 0.00	64.31 5.25 0.00	60.76 4.40 0.00	59.76 3.96 0.00	53.96 4.09 0.00	49.81 3.69 0.00	44.46 3.45 -0.01	42.80 3.59 -2.56
GLENWOOD_IC_3_G1 23689	61.00 4.04 -5.84	52.74 3.77 0.00	50.64 3.57 -0.01	48.38 3.38 -0.01	46.51 3.32 -0.01	47.83 3.42 -0.01	50.08 3.71 -0.01	50.61 4.85 -0.01	52.25 4.79 0.00	53.99 4.41 0.00	51.50 3.64 0.00	52.78 3.91 0.00	54.17 3.92 0.00	57.59 4.31 0.00	57.33 4.92 0.00	58.42 5.16 0.00	61.01 4.88 0.00	64.31 5.25 0.00	60.76 4.40 0.00	59.76 3.96 0.00	53.96 4.09 0.00	49.81 3.69 0.00	44.46 3.45 -0.01	42.80 3.59 -2.56
GLENWOOD____4 23550	67.59 4.50 -11.97	53.18 4.21 0.00	50.96 3.91 0.00	48.73 3.73 0.00	46.82 3.63 -0.01	48.13 3.73 0.00	50.44 4.08 0.00	51.02 5.26 0.00	52.68 5.22 0.00	54.29 4.71 0.00	51.79 3.93 0.00	52.87 4.01 0.00	54.57 4.32 0.00	57.80 4.53 0.00	57.65 5.24 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.60 5.55 0.00	60.87 4.51 0.00	59.98 4.18 0.00	54.36 4.49 0.00	50.31 4.20 0.00	44.86 3.85 0.00	43.06 3.85 -2.56
GLENWOOD____5 23614	67.59 4.50 -11.97	53.18 4.21 0.00	50.96 3.91 0.00	48.73 3.73 0.00	46.82 3.63 -0.01	48.13 3.73 0.00	50.44 4.08 0.00	51.02 5.26 0.00	52.68 5.22 0.00	54.29 4.71 0.00	51.79 3.93 0.00	52.87 4.01 0.00	54.57 4.32 0.00	57.80 4.53 0.00	57.65 5.24 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.60 5.55 0.00	60.87 4.51 0.00	59.98 4.18 0.00	54.36 4.49 0.00	50.31 4.20 0.00	44.86 3.85 0.00	43.06 3.85 -2.56
GLOBAL GREEN_PORT_GT1 23814	60.47 6.90 -2.45	56.47 7.49 -0.01	53.79 6.73 -0.01	51.17 6.16 -0.01	49.55 6.35 -0.02	50.63 6.22 -0.01	52.82 6.44 -0.02	53.55 7.78 -0.02	55.02 7.55 -0.01	56.44 6.84 -0.01	52.47 4.79 0.18	53.80 5.23 0.30	55.58 5.58 0.24	59.35 6.50 0.43	59.75 7.34 -0.01	66.03 7.51 -5.26	63.54 7.41 -0.01	67.26 8.21 0.00	62.36 6.53 0.53	61.15 5.86 0.51	55.76 5.98 0.09	50.50 4.38 0.00	45.73 4.71 -0.01	44.71 5.50 -2.56
GLOBE____DSASP 323697	49.59 -1.53 0.00	47.35 -1.62 0.00	45.13 -1.93 0.00	43.06 -1.93 0.00	40.97 -2.20 0.00	42.45 -1.95 0.00	43.95 -2.41 0.00	43.01 -2.75 0.00	44.90 -2.56 0.00	46.96 -2.63 0.00	46.19 -1.68 0.00	46.96 -1.91 0.00	49.30 -0.95 0.00	52.74 -0.53 0.00	51.41 -1.00 0.00	51.60 -1.65 0.00	54.39 -1.74 0.00	57.40 -1.65 0.00	54.78 -1.58 0.00	54.07 -1.73 0.00	48.02 -1.85 0.00	43.81 -2.31 0.00	39.08 -1.93 0.00	35.88 -0.77 0.00
GOETHSLN____LBMP 323567	54.85 3.73 0.00	52.38 3.43 0.01	50.21 3.15 0.00	48.01 3.01 0.00	46.11 2.94 0.00	47.37 2.98 0.01	49.75 3.38 0.00	50.38 4.62 0.00	52.16 4.70 0.00	52.60 4.36 1.35	51.79 3.93 0.00	52.87 4.01 0.00	54.32 4.07 0.00	56.76 4.16 0.67	57.13 4.72 0.00	56.86 5.01 1.40	59.04 4.60 1.69	57.50 4.90 6.45	56.13 4.00 4.23	56.18 3.68 3.30	54.01 4.14 0.00	49.90 3.78 0.00	44.25 3.24 0.00	40.02 3.37 0.00
GOLAH____69_KV_TB 1_2 80279	51.94 0.82 0.00	49.65 0.69 0.00	47.25 0.19 0.00	44.90 -0.09 0.00	42.83 -0.35 0.00	44.32 -0.09 0.00	46.13 -0.23 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.43 -0.15 0.00	48.39 0.53 0.00	49.26 0.39 0.00	51.36 1.11 0.00	54.61 1.33 0.00	53.46 1.05 0.00	53.94 0.69 0.00	56.91 0.79 0.00	60.06 1.00 0.00	57.54 1.18 0.00	56.75 0.95 0.00	50.52 0.65 0.00	46.35 0.23 0.00	41.09 0.08 0.00	37.38 0.73 0.00
GOODYEAR_LAKE_HYD 323669	53.27 2.15 0.00	51.02 2.06 0.00	49.03 1.98 0.00	46.88 1.89 0.00	44.94 1.77 0.00	46.31 1.91 0.00	48.31 1.95 0.00	48.55 2.79 0.00	50.21 2.75 0.00	52.16 2.58 0.00	50.31 2.44 0.00	51.46 2.59 0.00	52.96 2.71 0.00	56.15 2.88 0.00	55.50 3.09 0.00	56.61 3.35 0.00	58.93 2.81 0.00	62.24 3.19 0.00	59.18 2.82 0.00	58.48 2.68 0.00	52.51 2.64 0.00	48.28 2.17 0.00	42.69 1.68 0.00	38.37 1.72 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	51.99 0.87 0.00	49.75 0.78 0.00	47.67 0.61 0.00	45.53 0.54 0.00	43.61 0.43 0.00	44.98 0.58 0.00	46.87 0.51 0.00	47.50 1.74 0.00	49.21 1.76 0.00	51.27 1.69 0.00	49.64 1.77 0.00	50.67 1.81 0.00	52.46 2.21 0.00	55.83 2.56 0.00	55.08 2.67 0.00	55.97 2.72 0.00	57.64 1.52 0.00	60.88 1.83 0.00	57.99 1.63 0.00	57.36 1.56 0.00	51.31 1.45 0.00	47.13 1.01 0.00	41.66 0.66 0.00	37.56 0.92 0.00



GOUDEY___7 23579	51.99 0.87 0.00	49.75 0.78 0.00	47.67 0.61 0.00	45.53 0.54 0.00	43.61 0.43 0.00	44.98 0.58 0.00	46.87 0.51 0.00	47.50 1.74 0.00	49.21 1.76 0.00	51.27 1.69 0.00	49.64 1.77 0.00	50.67 1.81 0.00	52.46 2.21 0.00	55.83 2.56 0.00	55.08 2.67 0.00	55.97 2.72 0.00	57.64 1.52 0.00	60.88 1.83 0.00	57.99 1.63 0.00	57.36 1.56 0.00	51.31 1.45 0.00	47.13 1.01 0.00	41.66 0.66 0.00	37.56 0.92 0.00
GOUDEY___8 23580	51.99 0.87 0.00	49.75 0.78 0.00	47.67 0.61 0.00	45.53 0.54 0.00	43.61 0.43 0.00	44.98 0.58 0.00	46.87 0.51 0.00	47.50 1.74 0.00	49.21 1.76 0.00	51.27 1.69 0.00	49.64 1.77 0.00	50.67 1.81 0.00	52.46 2.21 0.00	55.83 2.56 0.00	55.08 2.67 0.00	55.97 2.72 0.00	57.64 1.52 0.00	60.88 1.83 0.00	57.99 1.63 0.00	57.36 1.56 0.00	51.31 1.45 0.00	47.13 1.01 0.00	41.66 0.66 0.00	37.56 0.92 0.00
GOWANUS_GT1_1 24077	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT1_2 24078	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT1_3 24079	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT1_4 24080	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT1_5 24084	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT1_6 24111	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT1_7 24112	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT1_8 24113	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT2_1 24114	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT2_2 24115	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT2_3 24116	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT2_4 24117	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT2_5 24118	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01



GOWANUS_GT2_6 24119	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT2_7 24120	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT2_8 24121	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT3_1 24122	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT3_2 24123	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT3_3 24124	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT3_4 24125	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT3_5 24126	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT3_6 24127	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT3_7 24128	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT3_8 24129	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
GOWANUS_GT4_1 24130	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.01	54.14 4.56 0.01	51.93 4.07 0.01	53.06 4.20 0.01	54.56 4.32 0.01	57.75 4.48 0.00	57.48 5.08 0.01	58.57 5.33 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.52 4.17 0.01	59.64 3.85 0.01	54.15 4.29 0.01	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT4_2 24131	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.01	54.14 4.56 0.01	51.93 4.07 0.01	53.06 4.20 0.01	54.56 4.32 0.01	57.75 4.48 0.00	57.48 5.08 0.01	58.57 5.33 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.52 4.17 0.01	59.64 3.85 0.01	54.15 4.29 0.01	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT4_3 24132	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.01	54.14 4.56 0.01	51.93 4.07 0.01	53.06 4.20 0.01	54.56 4.32 0.01	57.75 4.48 0.00	57.48 5.08 0.01	58.57 5.33 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.52 4.17 0.01	59.64 3.85 0.01	54.15 4.29 0.01	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT4_4 24133	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.01	54.14 4.56 0.01	51.93 4.07 0.01	53.06 4.20 0.01	54.56 4.32 0.01	57.75 4.48 0.00	57.48 5.08 0.01	58.57 5.33 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.52 4.17 0.01	59.64 3.85 0.01	54.15 4.29 0.01	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01



GOWANUS_GT4_5 24134	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.01	54.14 4.56 0.01	51.93 4.07 0.01	53.06 4.20 0.01	54.56 4.32 0.01	57.75 4.48 0.00	57.48 5.08 0.01	58.57 5.33 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.52 4.17 0.01	59.64 3.85 0.01	54.15 4.29 0.01	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT4_6 24135	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.01	54.14 4.56 0.01	51.93 4.07 0.01	53.06 4.20 0.01	54.56 4.32 0.01	57.75 4.48 0.00	57.48 5.08 0.01	58.57 5.33 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.52 4.17 0.01	59.64 3.85 0.01	54.15 4.29 0.01	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT4_7 24136	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.01	54.14 4.56 0.01	51.93 4.07 0.01	53.06 4.20 0.01	54.56 4.32 0.01	57.75 4.48 0.00	57.48 5.08 0.01	58.57 5.33 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.52 4.17 0.01	59.64 3.85 0.01	54.15 4.29 0.01	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GOWANUS_GT4_8 24137	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.01	54.14 4.56 0.01	51.93 4.07 0.01	53.06 4.20 0.01	54.56 4.32 0.01	57.75 4.48 0.00	57.48 5.08 0.01	58.57 5.33 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.52 4.17 0.01	59.64 3.85 0.01	54.15 4.29 0.01	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GREATVRV_69_KV_BK1 356245	60.08 5.57 -3.39	54.70 5.73 -0.01	52.47 5.41 0.00	50.21 5.22 0.00	48.55 5.35 -0.02	49.91 5.51 0.00	52.12 5.75 -0.01	52.76 7.00 -0.01	54.20 6.74 -0.01	55.39 5.80 -0.01	51.92 4.26 0.20	53.04 4.50 0.32	54.94 5.03 0.33	57.99 5.27 0.56	58.65 6.24 -0.01	62.90 6.50 -3.15	62.31 6.17 -0.01	65.74 6.67 -0.01	61.11 5.47 0.72	60.25 5.13 0.68	55.20 5.44 0.10	51.19 5.07 0.00	46.26 5.25 0.00	44.52 5.31 -2.56
GREENBSH_115KV_TB3 55895	52.09 0.97 0.00	49.90 0.93 0.00	47.95 0.89 0.00	45.80 0.81 0.00	43.99 0.82 0.00	45.29 0.89 0.00	47.29 0.93 0.00	46.86 1.10 0.00	48.36 0.90 0.00	50.13 0.55 0.00	48.35 0.48 0.00	49.31 0.44 0.00	50.65 0.40 0.00	53.60 0.32 0.00	53.09 0.68 0.00	54.10 0.85 0.00	56.74 0.62 0.00	59.82 0.77 0.00	56.87 0.51 0.00	56.19 0.39 0.00	50.52 0.65 0.00	46.76 0.65 0.00	41.58 0.57 0.00	37.42 0.77 0.00
GREENDGE_115KV_TB5 80291	51.84 0.72 0.00	49.85 0.88 0.00	47.62 0.56 0.00	45.40 0.40 0.00	43.39 0.22 0.00	44.89 0.49 0.00	46.78 0.42 0.00	46.76 1.01 0.00	48.50 1.04 0.00	50.62 1.04 0.00	49.16 1.29 0.00	50.14 1.27 0.00	51.51 1.26 0.00	54.82 1.55 0.00	53.93 1.52 0.00	54.74 1.49 0.00	57.31 1.18 0.00	60.65 1.59 0.00	57.99 1.63 0.00	57.42 1.62 0.00	51.27 1.40 0.00	47.36 1.25 0.00	41.79 0.78 0.00	37.75 1.10 0.00
GREENIDGE___3 23582	51.84 0.72 0.00	49.85 0.88 0.00	47.62 0.56 0.00	45.40 0.40 0.00	43.39 0.22 0.00	44.89 0.49 0.00	46.78 0.42 0.00	46.76 1.01 0.00	48.50 1.04 0.00	50.62 1.04 0.00	49.16 1.29 0.00	50.14 1.27 0.00	51.51 1.26 0.00	54.82 1.55 0.00	53.93 1.52 0.00	54.74 1.49 0.00	57.31 1.18 0.00	60.65 1.59 0.00	57.99 1.63 0.00	57.42 1.62 0.00	51.27 1.40 0.00	47.36 1.25 0.00	41.79 0.78 0.00	37.75 1.10 0.00
GREENIDGE___4 23583	51.94 0.82 0.00	49.80 0.83 0.00	47.62 0.57 0.00	45.40 0.40 0.00	43.39 0.22 0.00	44.89 0.49 0.00	46.78 0.42 0.00	46.76 1.01 0.00	48.50 1.04 0.00	50.63 1.04 0.00	49.26 1.39 0.00	50.23 1.37 0.00	51.86 1.61 0.00	54.87 1.60 0.00	53.87 1.47 0.00	54.85 1.60 0.00	57.36 1.23 0.00	60.76 1.71 0.00	57.99 1.64 0.00	57.47 1.67 0.00	51.61 1.74 0.00	47.55 1.43 0.00	41.91 0.90 0.00	37.74 1.10 0.00
GREENLWN_69_KV_BK 3 55738	57.28 3.58 -2.58	52.39 3.43 0.00	50.63 3.58 0.00	48.59 3.60 0.00	46.72 3.54 -0.01	48.09 3.69 0.00	50.21 3.85 0.00	50.74 4.99 0.00	52.06 4.60 0.00	53.25 3.67 0.00	49.12 2.44 1.19	50.64 2.59 0.81	52.06 2.96 1.16	54.48 3.09 1.89	56.62 4.09 -0.12	56.48 4.26 1.03	60.13 3.87 -0.13	63.42 4.19 -0.18	56.99 3.10 2.47	56.25 2.79 2.34	52.75 3.29 0.41	49.25 3.14 0.00	44.82 3.81 0.00	43.21 3.99 -2.56
GREENWD_138_KV_38B11_REV_LBMP_J 345004	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.50 5.08 0.00	58.58 5.33 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.65 3.85 0.00	54.16 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01
GRISSOM___SOLAR 323813	54.29 3.17 0.00	51.95 2.99 0.00	49.83 2.78 0.00	47.47 2.47 0.00	45.55 2.37 0.00	47.02 2.62 0.00	49.00 2.64 0.00	48.69 2.93 0.00	50.31 2.85 0.00	52.01 2.43 0.00	50.07 2.20 0.00	51.12 2.25 0.00	52.36 2.11 0.00	55.46 2.19 0.00	54.92 2.52 0.00	56.13 2.87 0.00	58.82 2.69 0.00	62.18 3.13 0.00	59.46 3.10 0.00	59.03 3.24 0.00	53.01 3.14 0.00	48.79 2.67 0.00	43.18 2.17 0.00	38.77 2.12 0.00
GROVEVILLE___HYD 323602	54.85 3.73 0.00	52.49 3.53 0.00	50.26 3.20 0.00	47.96 2.97 0.00	46.07 2.89 0.00	47.42 3.02 0.00	49.61 3.25 0.00	50.06 4.30 0.00	51.73 4.27 0.00	53.55 3.97 0.00	51.60 3.73 0.00	52.68 3.81 0.00	54.12 3.87 0.00	57.33 4.05 0.00	56.92 4.51 0.00	58.10 4.85 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.47 4.11 0.00	59.70 3.91 0.00	53.91 4.04 0.00	49.62 3.50 0.00	44.00 2.99 0.00	39.72 3.08 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	51.22 0.10 0.00	48.96 0.00 0.00	46.96 -0.09 0.00	44.86 -0.13 0.00	42.96 -0.22 0.00	44.27 -0.13 0.00	46.22 -0.14 0.00	45.53 -0.23 0.00	47.32 -0.28 -0.15	49.34 -0.25 0.00	47.72 -0.14 0.00	48.72 -0.15 0.00	50.15 -0.10 0.00	53.17 -0.11 0.00	52.36 -0.05 0.00	53.31 0.05 0.00	56.58 0.45 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.27 0.40 0.00	46.30 0.18 0.00	41.01 0.00 0.00	36.87 0.22 0.00
HAMLTNNY_34_KV_TB 80303	51.43 0.31 0.00	49.16 0.20 0.00	47.10 0.05 0.00	44.95 -0.04 0.00	43.04 -0.13 0.00	44.40 0.00 0.00	46.32 -0.05 0.00	45.62 -0.14 0.00	47.41 -0.19 -0.14	49.43 -0.15 0.00	47.92 0.05 0.00	48.87 0.00 0.00	50.35 0.10 0.00	53.44 0.16 0.00	52.62 0.21 0.00	53.47 0.21 0.00	56.80 0.67 0.00	59.88 0.83 0.00	57.15 0.79 0.00	56.52 0.73 0.00	50.52 0.65 0.00	46.44 0.32 0.00	41.13 0.12 0.00	37.01 0.37 0.00



HAMPSHIRE___PAPER_HYD 323593	50.87 -0.25 0.00	48.87 -0.10 0.00	46.96 -0.09 0.00	45.17 0.18 0.00	43.43 0.26 0.00	44.54 0.13 0.00	46.50 0.14 0.00	46.12 0.36 0.00	47.96 0.47 -0.03	49.93 0.35 0.00	48.06 0.19 0.00	49.11 0.25 0.00	50.25 0.00 0.00	53.33 0.05 0.00	52.36 -0.05 0.00	53.04 -0.21 0.00	55.62 -0.51 0.00	58.35 -0.71 0.00	55.68 -0.67 0.00	55.47 -0.33 0.00	49.87 0.00 0.00	46.30 0.19 0.00	41.30 0.29 0.00	36.57 -0.07 0.00
HARDSCRABBLE_WT_PWR 323673	52.76 1.64 0.00	50.48 1.52 0.00	48.47 1.41 0.00	46.30 1.31 0.00	44.38 1.21 0.00	45.65 1.24 0.00	47.66 1.30 0.00	47.18 1.42 0.00	48.98 1.52 0.00	51.07 1.49 0.00	49.21 1.34 0.00	50.28 1.42 0.00	51.66 1.41 0.00	54.82 1.55 0.00	54.03 1.63 0.00	54.96 1.70 0.00	57.76 1.63 0.00	60.82 1.77 0.00	57.88 1.52 0.00	57.19 1.40 0.00	51.12 1.25 0.00	47.08 0.97 0.00	41.79 0.78 0.00	37.34 0.69 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	54.49 3.37 0.00	52.10 3.13 0.00	49.88 2.82 0.00	47.65 2.65 0.00	45.76 2.59 0.00	47.07 2.66 0.00	49.28 2.92 0.00	49.88 4.12 0.00	51.54 4.08 0.00	53.40 3.82 0.00	51.41 3.54 0.00	52.53 3.67 0.00	54.07 3.82 0.00	57.27 4.00 0.00	56.92 4.51 0.00	58.10 4.85 0.00	60.62 4.49 0.00	63.89 4.84 0.00	60.42 4.06 0.00	59.59 3.79 0.00	53.81 3.94 0.00	49.57 3.46 0.00	43.88 2.87 0.00	39.61 2.97 0.00
HARSNRAD_115KV_TB1 81005	50.92 -0.20 0.00	48.62 -0.34 0.00	46.21 -0.85 0.00	44.00 -0.99 0.00	41.84 -1.34 0.00	43.38 -1.02 0.00	45.11 -1.25 0.00	44.20 -1.56 0.00	46.13 -1.33 0.00	48.29 -1.29 0.00	47.44 -0.43 0.00	48.23 -0.64 0.00	50.65 0.40 0.00	54.18 0.91 0.00	52.83 0.42 0.00	53.09 -0.16 0.00	55.90 -0.22 0.00	58.99 -0.06 0.00	56.36 0.00 0.00	55.63 -0.17 0.00	49.37 -0.50 0.00	45.10 -1.01 0.00	40.11 -0.90 0.00	36.79 0.15 0.00
HARZA MOOSE___RIVER 24016	51.94 0.82 0.00	49.80 0.83 0.00	47.86 0.80 0.00	46.03 1.03 0.00	44.12 0.95 0.00	45.38 0.98 0.00	47.38 1.02 0.00	47.08 1.33 0.00	48.87 1.38 -0.04	50.77 1.19 0.00	48.87 1.01 0.00	49.94 1.08 0.00	51.20 0.95 0.00	54.34 1.07 0.00	53.56 1.15 0.00	54.53 1.28 0.00	57.36 1.23 0.00	60.17 1.12 0.00	57.37 1.01 0.00	56.86 1.06 0.00	50.97 1.10 0.00	46.94 0.83 0.00	41.66 0.66 0.00	37.16 0.51 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	50.92 -0.20 0.00	48.67 -0.29 0.00	46.68 -0.38 0.00	44.59 -0.40 0.00	42.70 -0.47 0.00	44.05 -0.36 0.00	45.94 -0.42 0.00	45.21 -0.55 0.00	46.93 -0.62 -0.08	48.94 -0.64 0.00	47.39 -0.48 0.00	48.38 -0.49 0.00	49.80 -0.45 0.00	52.85 -0.43 0.00	52.04 -0.37 0.00	52.93 -0.32 0.00	56.24 0.11 0.00	59.29 0.24 0.00	56.53 0.17 0.00	55.91 0.11 0.00	49.97 0.10 0.00	45.98 -0.14 0.00	40.76 -0.25 0.00	36.65 0.00 0.00
HELLGATE_13_KV_LD 55870	55.68 4.55 -0.01	53.18 4.21 0.00	51.02 3.95 -0.01	48.68 3.69 0.00	46.76 3.58 0.00	47.96 3.55 0.00	50.35 3.99 0.00	50.93 5.17 0.00	52.63 5.17 0.00	54.54 4.96 0.00	52.32 4.45 0.00	53.41 4.54 0.00	54.92 4.67 0.00	58.12 4.85 0.00	57.86 5.45 0.00	58.95 5.70 0.00	61.35 5.22 0.00	64.48 5.43 0.00	60.87 4.51 0.00	60.04 4.24 0.00	54.51 4.64 0.00	50.36 4.24 0.00	44.74 3.73 0.00	40.61 3.96 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	55.68 4.55 -0.01	53.18 4.21 0.00	51.02 3.95 -0.01	48.68 3.69 0.00	46.76 3.58 0.00	47.96 3.55 0.00	50.35 3.99 0.00	50.93 5.17 0.00	52.63 5.17 0.00	54.54 4.96 0.00	52.32 4.45 0.00	53.41 4.54 0.00	54.92 4.67 0.00	58.12 4.85 0.00	57.86 5.45 0.00	58.95 5.70 0.00	61.35 5.22 0.00	64.48 5.43 0.00	60.87 4.51 0.00	60.04 4.24 0.00	54.51 4.64 0.00	50.36 4.24 0.00	44.74 3.73 0.00	40.61 3.96 -0.01
HEMPSTEAD____ 23647	69.33 4.29 -13.91	53.08 4.11 0.00	50.97 3.90 -0.01	48.73 3.73 -0.01	46.86 3.67 -0.01	48.18 3.77 -0.01	50.45 4.08 -0.01	50.98 5.21 -0.01	52.54 5.08 0.00	54.05 4.46 0.00	51.17 3.30 0.00	52.43 3.57 0.00	53.87 3.62 0.00	57.38 4.10 0.00	57.23 4.82 0.00	58.31 5.06 0.00	60.89 4.77 0.00	64.25 5.20 0.00	60.59 4.23 0.00	59.54 3.74 0.00	53.86 3.99 0.00	49.67 3.55 0.00	44.79 3.77 -0.01	43.13 3.92 -2.56
HICKLING___1 23621	52.30 1.18 0.00	49.90 0.93 0.00	47.72 0.66 0.00	45.49 0.49 0.00	43.43 0.26 0.00	44.94 0.53 0.00	46.83 0.46 0.00	47.08 1.33 0.00	48.88 1.42 0.00	51.02 1.44 0.00	49.59 1.72 0.00	50.58 1.71 0.00	52.51 2.26 0.00	55.99 2.72 0.00	55.08 2.67 0.00	55.92 2.66 0.00	57.98 1.85 0.00	61.30 2.24 0.00	58.56 2.20 0.00	57.97 2.18 0.00	51.81 1.94 0.00	47.45 1.34 0.00	41.83 0.82 0.00	37.86 1.21 0.00
HICKLING___2 23622	52.30 1.18 0.00	49.90 0.93 0.00	47.72 0.66 0.00	45.49 0.49 0.00	43.43 0.26 0.00	44.94 0.53 0.00	46.83 0.46 0.00	47.08 1.33 0.00	48.88 1.42 0.00	51.02 1.44 0.00	49.59 1.72 0.00	50.58 1.71 0.00	52.51 2.26 0.00	55.99 2.72 0.00	55.08 2.67 0.00	55.92 2.66 0.00	57.98 1.85 0.00	61.30 2.24 0.00	58.56 2.20 0.00	57.97 2.18 0.00	51.81 1.94 0.00	47.45 1.34 0.00	41.83 0.82 0.00	37.86 1.21 0.00
HIGH FALLS___HY 23754	54.85 3.73 0.00	52.44 3.48 0.00	50.21 3.15 0.00	47.96 2.97 0.00	46.02 2.85 0.00	47.38 2.98 0.00	49.61 3.25 0.00	50.15 4.39 0.00	51.82 4.37 0.00	53.55 3.97 0.00	51.55 3.69 0.00	52.73 3.86 0.00	54.22 3.97 0.00	57.48 4.21 0.00	57.07 4.66 0.00	58.31 5.06 0.00	60.84 4.71 0.00	64.19 5.14 0.00	60.75 4.40 0.00	59.98 4.18 0.00	54.16 4.29 0.00	49.80 3.69 0.00	44.08 3.08 0.00	39.76 3.11 0.00
HIGH_RIVER___SOLAR 323847	53.37 2.25 0.00	51.12 2.15 0.00	49.08 2.02 0.00	46.84 1.85 0.00	44.94 1.77 0.00	46.31 1.91 0.00	48.31 1.95 0.00	47.91 2.15 0.00	49.41 1.95 0.00	51.17 1.59 0.00	49.16 1.29 0.00	50.23 1.37 0.00	51.55 1.30 0.00	54.66 1.38 0.00	54.09 1.68 0.00	55.22 1.97 0.00	57.92 1.80 0.00	61.24 2.19 0.00	58.50 2.14 0.00	58.03 2.23 0.00	52.11 2.25 0.00	48.05 1.94 0.00	42.61 1.60 0.00	38.26 1.61 0.00
HILLBURN___GT 23639	54.34 3.22 0.00	51.95 2.99 0.00	49.83 2.78 0.00	47.65 2.65 0.00	45.76 2.59 0.00	47.07 2.66 0.00	49.28 2.92 0.00	49.88 4.12 0.00	51.54 4.08 0.00	53.40 3.82 0.00	51.32 3.45 0.00	52.53 3.67 0.00	53.92 3.67 0.00	57.32 4.05 0.00	56.92 4.51 0.00	58.05 4.79 0.00	60.62 4.49 0.00	63.89 4.84 0.00	60.47 4.11 0.00	59.59 3.80 0.00	53.66 3.79 0.00	49.48 3.36 0.00	43.84 2.83 0.00	39.65 3.01 0.00
HILLSIDE_115KV_TB1 80332	51.58 0.46 0.00	49.26 0.29 0.00	47.10 0.05 0.00	44.95 -0.04 0.00	42.96 -0.22 0.00	44.40 0.00 0.00	46.27 -0.09 0.00	46.63 0.87 0.00	48.36 0.90 0.00	50.48 0.89 0.00	49.02 1.15 0.00	50.04 1.17 0.00	52.01 1.76 0.00	55.46 2.18 0.00	54.61 2.20 0.00	55.38 2.13 0.00	57.36 1.23 0.00	60.59 1.54 0.00	57.82 1.47 0.00	57.19 1.39 0.00	51.12 1.25 0.00	46.85 0.74 0.00	41.25 0.25 0.00	37.31 0.66 0.00



HISHELDN_WT_PWR 323625	51.53 0.41 0.00	49.01 0.05 0.00	46.68 -0.38 0.00	44.45 -0.54 0.00	42.31 -0.86 0.00	43.87 -0.53 0.00	45.62 -0.74 0.00	45.07 -0.69 0.00	46.94 -0.52 0.00	49.09 -0.50 0.00	48.06 0.19 0.00	48.92 0.05 0.00	51.71 1.46 0.00	54.72 1.44 0.00	53.30 0.89 0.00	53.84 0.59 0.00	56.47 0.34 0.00	59.88 0.83 0.00	56.92 0.56 0.00	56.41 0.61 0.00	50.87 1.00 0.00	46.30 0.19 0.00	40.97 -0.04 0.00	37.20 0.55 0.00
HOLTSVILLE_IC_1 23690	57.63 4.09 -2.41	53.63 4.65 -0.01	51.63 4.56 -0.01	49.36 4.36 -0.01	47.86 4.66 -0.02	49.21 4.80 -0.01	51.34 4.96 -0.02	51.91 6.13 -0.02	53.16 5.69 -0.01	54.45 4.86 -0.01	50.90 3.21 0.17	52.11 3.52 0.28	53.59 3.57 0.23	56.98 4.10 0.40	57.29 4.87 -0.01	63.41 5.00 -5.16	60.85 4.72 -0.01	64.31 5.25 0.00	59.97 4.11 0.50	58.95 3.62 0.47	53.82 4.04 0.09	49.67 3.55 0.00	45.32 4.30 -0.01	43.90 4.69 -2.56
HOLTSVILLE_IC_10 23699	58.21 4.50 -2.59	54.07 5.09 -0.01	51.96 4.89 -0.01	49.68 4.68 -0.01	48.16 4.96 -0.03	49.56 5.15 -0.01	51.71 5.33 -0.02	52.32 6.54 -0.02	53.59 6.12 -0.01	54.90 5.31 -0.01	51.28 3.64 0.22	52.46 3.96 0.36	53.97 4.02 0.30	57.39 4.63 0.52	57.82 5.40 -0.01	64.30 5.49 -5.56	61.41 5.27 -0.01	64.90 5.85 -0.01	60.33 4.62 0.65	59.37 4.19 0.62	54.29 4.54 0.11	49.99 3.87 0.00	45.57 4.55 -0.01	44.16 4.95 -2.56
HOLTSVILLE_IC_2 23691	57.63 4.09 -2.41	53.63 4.65 -0.01	51.63 4.56 -0.01	49.36 4.36 -0.01	47.86 4.66 -0.02	49.21 4.80 -0.01	51.34 4.96 -0.02	51.91 6.13 -0.02	53.16 5.69 -0.01	54.45 4.86 -0.01	50.90 3.21 0.17	52.11 3.52 0.28	53.59 3.57 0.23	56.98 4.10 0.40	57.29 4.87 -0.01	63.41 5.00 -5.16	60.85 4.72 -0.01	64.31 5.25 0.00	59.97 4.11 0.50	58.95 3.62 0.47	53.82 4.04 0.09	49.67 3.55 0.00	45.32 4.30 -0.01	43.90 4.69 -2.56
HOLTSVILLE_IC_3 23692	57.63 4.09 -2.41	53.63 4.65 -0.01	51.63 4.56 -0.01	49.36 4.36 -0.01	47.86 4.66 -0.02	49.21 4.80 -0.01	51.34 4.96 -0.02	51.91 6.13 -0.02	53.16 5.69 -0.01	54.45 4.86 -0.01	50.90 3.21 0.17	52.11 3.52 0.28	53.59 3.57 0.23	56.98 4.10 0.40	57.29 4.87 -0.01	63.41 5.00 -5.16	60.85 4.72 -0.01	64.31 5.25 0.00	59.97 4.11 0.50	58.95 3.62 0.47	53.82 4.04 0.09	49.67 3.55 0.00	45.32 4.30 -0.01	43.90 4.69 -2.56
HOLTSVILLE_IC_4 23693	57.63 4.09 -2.41	53.63 4.65 -0.01	51.63 4.56 -0.01	49.36 4.36 -0.01	47.86 4.66 -0.02	49.21 4.80 -0.01	51.34 4.96 -0.02	51.91 6.13 -0.02	53.16 5.69 -0.01	54.45 4.86 -0.01	50.90 3.21 0.17	52.11 3.52 0.28	53.59 3.57 0.23	56.98 4.10 0.40	57.29 4.87 -0.01	63.41 5.00 -5.16	60.85 4.72 -0.01	64.31 5.25 0.00	59.97 4.11 0.50	58.95 3.62 0.47	53.82 4.04 0.09	49.67 3.55 0.00	45.32 4.30 -0.01	43.90 4.69 -2.56
HOLTSVILLE_IC_5 23694	57.63 4.09 -2.41	53.63 4.65 -0.01	51.63 4.56 -0.01	49.36 4.36 -0.01	47.86 4.66 -0.02	49.21 4.80 -0.01	51.34 4.96 -0.02	51.91 6.13 -0.02	53.16 5.69 -0.01	54.45 4.86 -0.01	50.90 3.21 0.17	52.11 3.52 0.28	53.59 3.57 0.23	56.98 4.10 0.40	57.29 4.87 -0.01	63.41 5.00 -5.16	60.85 4.72 -0.01	64.31 5.25 0.00	59.97 4.11 0.50	58.95 3.62 0.47	53.82 4.04 0.09	49.67 3.55 0.00	45.32 4.30 -0.01	43.90 4.69 -2.56
HOLTSVILLE_IC_6 23695	58.21 4.50 -2.59	54.07 5.09 -0.01	51.96 4.89 -0.01	49.68 4.68 -0.01	48.16 4.96 -0.03	49.56 5.15 -0.01	51.71 5.33 -0.02	52.32 6.54 -0.02	53.59 6.12 -0.01	54.90 5.31 -0.01	51.28 3.64 0.22	52.46 3.96 0.36	53.97 4.02 0.30	57.39 4.63 0.52	57.82 5.40 -0.01	64.30 5.49 -5.56	61.41 5.27 -0.01	64.90 5.85 -0.01	60.33 4.62 0.65	59.37 4.19 0.62	54.29 4.54 0.11	49.99 3.87 0.00	45.57 4.55 -0.01	44.16 4.95 -2.56
HOLTSVILLE_IC_7 23696	58.21 4.50 -2.59	54.07 5.09 -0.01	51.96 4.89 -0.01	49.68 4.68 -0.01	48.16 4.96 -0.03	49.56 5.15 -0.01	51.71 5.33 -0.02	52.32 6.54 -0.02	53.59 6.12 -0.01	54.90 5.31 -0.01	51.28 3.64 0.22	52.46 3.96 0.36	53.97 4.02 0.30	57.39 4.63 0.52	57.82 5.40 -0.01	64.30 5.49 -5.56	61.41 5.27 -0.01	64.90 5.85 -0.01	60.33 4.62 0.65	59.37 4.19 0.62	54.29 4.54 0.11	49.99 3.87 0.00	45.57 4.55 -0.01	44.16 4.95 -2.56
HOLTSVILLE_IC_8 23697	58.21 4.50 -2.59	54.07 5.09 -0.01	51.96 4.89 -0.01	49.68 4.68 -0.01	48.16 4.96 -0.03	49.56 5.15 -0.01	51.71 5.33 -0.02	52.32 6.54 -0.02	53.59 6.12 -0.01	54.90 5.31 -0.01	51.28 3.64 0.22	52.46 3.96 0.36	53.97 4.02 0.30	57.39 4.63 0.52	57.82 5.40 -0.01	64.30 5.49 -5.56	61.41 5.27 -0.01	64.90 5.85 -0.01	60.33 4.62 0.65	59.37 4.19 0.62	54.29 4.54 0.11	49.99 3.87 0.00	45.57 4.55 -0.01	44.16 4.95 -2.56
HOLTSVILLE_IC_9 23698	58.21 4.50 -2.59	54.07 5.09 -0.01	51.96 4.89 -0.01	49.68 4.68 -0.01	48.16 4.96 -0.03	49.56 5.15 -0.01	51.71 5.33 -0.02	52.32 6.54 -0.02	53.59 6.12 -0.01	54.90 5.31 -0.01	51.28 3.64 0.22	52.46 3.96 0.36	53.97 4.02 0.30	57.39 4.63 0.52	57.82 5.40 -0.01	64.30 5.49 -5.56	61.41 5.27 -0.01	64.90 5.85 -0.01	60.33 4.62 0.65	59.37 4.19 0.62	54.29 4.54 0.11	49.99 3.87 0.00	45.57 4.55 -0.01	44.16 4.95 -2.56
HOMER_HL_115KV_TB2 355744	51.07 -0.05 0.00	48.77 -0.20 0.00	46.40 -0.66 0.00	44.23 -0.76 0.00	42.14 -1.04 0.00	43.69 -0.71 0.00	45.57 -0.79 0.00	45.21 -0.55 0.00	47.13 -0.33 0.00	49.29 -0.30 0.00	48.15 0.29 0.00	49.21 0.34 0.00	51.10 0.85 0.00	54.77 1.49 0.00	53.61 1.21 0.00	54.21 0.96 0.00	56.63 0.51 0.00	59.76 0.71 0.00	57.04 0.68 0.00	56.41 0.61 0.00	50.12 0.25 0.00	46.16 0.05 0.00	40.52 -0.49 0.00	37.05 0.40 0.00
HOWARD_WT_PWR 323690	52.60 1.48 0.00	50.04 1.08 0.00	47.76 0.71 0.00	45.44 0.45 0.00	43.39 0.22 0.00	44.98 0.58 0.00	46.83 0.46 0.00	46.72 0.96 0.00	48.46 1.00 0.00	50.52 0.94 0.00	49.21 1.34 0.00	50.09 1.22 0.00	52.41 2.16 0.00	55.46 2.19 0.00	54.29 1.88 0.00	55.17 1.91 0.00	57.58 1.46 0.00	61.17 2.12 0.00	58.38 2.03 0.00	58.03 2.23 0.00	52.31 2.44 0.00	47.87 1.75 0.00	42.12 1.11 0.00	38.07 1.43 0.00
HQ_GEN_CEDARS 23644	50.51 -0.61 0.00	48.43 -0.54 0.00	46.63 -0.42 0.00	44.72 -0.27 0.00	42.96 -0.22 0.00	43.96 -0.44 0.00	45.85 -0.51 0.00	45.44 -0.32 0.00	47.27 -0.19 0.00	49.53 -0.05 0.00	47.77 -0.10 0.00	48.82 -0.05 0.00	49.95 -0.30 0.00	53.06 -0.21 0.00	51.83 -0.58 0.00	52.56 -0.69 0.00	55.28 -0.84 0.00	57.99 -1.06 0.00	55.40 -0.96 0.00	55.18 -0.61 0.00	49.32 -0.55 0.00	46.02 -0.09 0.00	41.13 0.12 0.00	36.24 -0.40 0.00
HQ_GEN_CEDARS_PROXY 323590	50.45 -0.67 0.00	48.48 -0.49 0.00	46.63 -0.42 0.00	44.72 -0.27 0.00	42.96 -0.21 0.00	43.96 -0.44 0.00	45.85 -0.51 0.00	45.44 -0.32 0.00	47.27 -0.19 0.00	49.53 -0.05 0.00	47.77 -0.10 0.00	48.31 -0.15 0.41	50.36 -0.30 -0.41	53.06 -0.21 0.00	51.94 -0.47 0.00	52.56 -0.69 0.00	55.29 -0.84 0.00	57.99 -1.06 0.00	55.40 -0.96 0.00	55.19 -0.61 0.00	49.27 -0.60 0.00	45.98 -0.14 0.00	43.05 0.12 -1.92	34.33 -0.40 1.92



HQ_GEN_IMPORT 323601	50.36 -0.77 0.00	48.33 -0.64 0.00	46.44 -0.61 0.00	44.45 -0.54 0.00	42.66 -0.52 0.00	43.83 -0.58 0.00	45.76 -0.60 0.00	45.25 -0.50 0.00	47.03 -0.43 0.00	49.34 -0.25 0.00	47.63 -0.24 0.00	48.17 -0.29 0.41	50.31 -0.35 -0.41	52.96 -0.32 0.00	51.88 -0.52 0.00	52.56 -0.69 0.00	55.51 -0.62 0.00	58.22 -0.83 0.00	55.74 -0.62 0.00	55.35 -0.45 0.00	49.27 -0.60 0.00	45.74 -0.37 0.00	42.72 -0.20 -1.92	34.29 -0.44 1.92
HQ_GEN_WHEEL 23651	50.36 -0.77 0.00	48.33 -0.64 0.00	46.44 -0.61 0.00	44.45 -0.54 0.00	42.66 -0.52 0.00	43.83 -0.58 0.00	45.76 -0.60 0.00	45.25 -0.50 0.00	47.03 -0.43 0.00	49.34 -0.25 0.00	47.63 -0.24 0.00	48.17 -0.29 0.41	50.31 -0.35 -0.41	52.96 -0.32 0.00	51.88 -0.52 0.00	52.56 -0.69 0.00	55.51 -0.62 0.00	58.22 -0.83 0.00	55.74 -0.62 0.00	55.35 -0.45 0.00	49.27 -0.60 0.00	45.74 -0.37 0.00	42.72 -0.20 -1.92	34.29 -0.44 1.92
HUDSON AVE_GT_3 23810	55.31 4.19 0.00	52.78 3.82 0.00	50.59 3.53 0.00	48.37 3.37 0.00	46.45 3.28 0.00	47.73 3.33 0.00	50.12 3.76 0.00	50.74 4.99 0.00	52.54 5.08 0.00	54.34 4.76 0.00	52.13 4.26 0.00	53.26 4.40 0.00	54.77 4.52 0.00	57.96 4.69 0.00	57.65 5.24 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.54 5.49 0.00	60.92 4.57 0.00	60.04 4.24 0.00	54.41 4.54 0.00	50.22 4.10 0.00	44.53 3.53 0.00	40.27 3.63 0.00
HUDSON AVE_GT_4 23540	55.31 4.19 0.00	52.78 3.82 0.00	50.59 3.53 0.00	48.37 3.37 0.00	46.45 3.28 0.00	47.73 3.33 0.00	50.12 3.76 0.00	50.74 4.99 0.00	52.54 5.08 0.00	54.34 4.76 0.00	52.13 4.26 0.00	53.26 4.40 0.00	54.77 4.52 0.00	57.96 4.69 0.00	57.65 5.24 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.54 5.49 0.00	60.92 4.57 0.00	60.04 4.24 0.00	54.41 4.54 0.00	50.22 4.10 0.00	44.53 3.53 0.00	40.27 3.63 0.00
HUDSON AVE_GT_5 23657	55.31 4.19 0.00	52.78 3.82 0.00	50.59 3.53 0.00	48.37 3.37 0.00	46.45 3.28 0.00	47.73 3.33 0.00	50.12 3.76 0.00	50.74 4.99 0.00	52.54 5.08 0.00	54.34 4.76 0.00	52.13 4.26 0.00	53.26 4.40 0.00	54.77 4.52 0.00	57.96 4.69 0.00	57.65 5.24 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.54 5.49 0.00	60.92 4.57 0.00	60.04 4.24 0.00	54.41 4.54 0.00	50.22 4.10 0.00	44.53 3.53 0.00	40.27 3.63 0.00
HUDSON_AVE_10 24168	55.16 4.04 0.00	52.69 3.72 0.00	50.45 3.39 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.65 4.90 0.00	52.39 4.94 0.00	54.24 4.66 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.70 4.42 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.12 5.00 0.00	64.31 5.26 0.00	60.70 4.34 0.00	59.82 4.02 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.45 3.44 0.00	40.20 3.55 0.00
HUDSON___115KV_TB 4 355613	53.06 1.94 0.00	50.78 1.81 0.00	48.70 1.65 0.00	46.43 1.44 0.00	44.56 1.38 0.00	45.91 1.51 0.00	47.94 1.58 0.00	47.45 1.69 0.00	48.88 1.42 0.00	50.53 0.94 0.00	48.68 0.81 0.00	49.65 0.78 0.00	50.90 0.65 0.00	53.92 0.64 0.00	53.40 1.00 0.00	54.53 1.28 0.00	57.19 1.07 0.00	60.47 1.42 0.00	57.60 1.24 0.00	57.08 1.28 0.00	51.22 1.35 0.00	47.54 1.43 0.00	42.24 1.23 0.00	38.00 1.36 0.00
HUNTER MOUNT___DRP 323613	53.27 2.15 0.00	50.97 2.01 0.00	48.85 1.79 0.00	46.52 1.53 0.00	44.64 1.47 0.00	46.05 1.64 0.00	48.03 1.67 0.00	47.45 1.69 0.00	48.83 1.38 0.00	50.48 0.89 0.00	48.68 0.81 0.00	49.60 0.73 0.00	50.80 0.55 0.00	53.81 0.53 0.00	53.30 0.89 0.00	54.42 1.17 0.00	57.08 0.95 0.00	60.41 1.36 0.00	57.60 1.24 0.00	57.08 1.28 0.00	51.22 1.35 0.00	47.45 1.34 0.00	42.16 1.15 0.00	37.97 1.32 0.00
HUNTINGTON_RES_REC 323705	57.16 3.94 -2.11	53.16 4.16 -0.04	51.30 4.24 -0.01	49.14 4.14 -0.01	47.41 4.23 0.00	48.77 4.35 -0.01	50.85 4.50 0.01	51.42 5.67 0.01	52.67 5.17 -0.04	53.98 4.36 -0.04	50.14 2.87 0.60	50.99 3.17 1.05	52.70 3.26 0.81	55.69 3.84 1.43	56.74 4.56 0.22	70.79 4.74 -12.80	60.39 4.49 0.23	63.64 4.96 0.38	58.42 3.83 1.78	57.47 3.35 1.68	53.31 3.79 0.35	49.44 3.32 0.00	45.16 4.14 -0.01	43.68 4.47 -2.56
HUNTLEY___63 23557	51.12 0.00 0.00	48.87 -0.10 0.00	46.45 -0.61 0.00	44.23 -0.76 0.00	42.09 -1.08 0.00	43.65 -0.75 0.00	45.30 -1.07 0.00	44.48 -1.28 0.00	46.46 -1.00 0.00	48.64 -0.94 0.00	47.77 -0.10 0.00	48.62 -0.24 0.00	51.00 0.75 0.00	54.66 1.39 0.00	53.30 0.89 0.00	53.57 0.32 0.00	56.35 0.22 0.00	59.46 0.41 0.00	56.75 0.39 0.00	56.02 0.22 0.00	49.67 -0.20 0.00	45.33 -0.78 0.00	40.31 -0.70 0.00	36.98 0.33 0.00
HUNTLEY___64 23558	51.12 0.00 0.00	48.87 -0.10 0.00	46.45 -0.61 0.00	44.23 -0.76 0.00	42.09 -1.08 0.00	43.65 -0.75 0.00	45.30 -1.07 0.00	44.48 -1.28 0.00	46.46 -1.00 0.00	48.64 -0.94 0.00	47.77 -0.10 0.00	48.62 -0.24 0.00	51.00 0.75 0.00	54.66 1.39 0.00	53.30 0.89 0.00	53.57 0.32 0.00	56.35 0.22 0.00	59.46 0.41 0.00	56.75 0.39 0.00	56.02 0.22 0.00	49.67 -0.20 0.00	45.33 -0.78 0.00	40.31 -0.70 0.00	36.98 0.33 0.00
HUNTLEY___65 23559	51.12 0.00 0.00	48.87 -0.10 0.00	46.45 -0.61 0.00	44.23 -0.76 0.00	42.09 -1.08 0.00	43.65 -0.75 0.00	45.30 -1.07 0.00	44.48 -1.28 0.00	46.46 -1.00 0.00	48.64 -0.94 0.00	47.77 -0.10 0.00	48.62 -0.24 0.00	51.00 0.75 0.00	54.66 1.39 0.00	53.30 0.89 0.00	53.57 0.32 0.00	56.35 0.22 0.00	59.46 0.41 0.00	56.75 0.39 0.00	56.02 0.22 0.00	49.67 -0.20 0.00	45.33 -0.78 0.00	40.31 -0.70 0.00	36.98 0.33 0.00
HUNTLEY___66 23560	51.12 0.00 0.00	48.87 -0.10 0.00	46.45 -0.61 0.00	44.23 -0.76 0.00	42.09 -1.08 0.00	43.65 -0.75 0.00	45.30 -1.07 0.00	44.48 -1.28 0.00	46.46 -1.00 0.00	48.64 -0.94 0.00	47.77 -0.10 0.00	48.62 -0.24 0.00	51.00 0.75 0.00	54.66 1.39 0.00	53.30 0.89 0.00	53.57 0.32 0.00	56.35 0.22 0.00	59.46 0.41 0.00	56.75 0.39 0.00	56.02 0.22 0.00	49.67 -0.20 0.00	45.33 -0.78 0.00	40.31 -0.70 0.00	36.98 0.33 0.00
HUNTLEY___67 23561	50.81 -0.31 0.00	48.52 -0.44 0.00	46.16 -0.89 0.00	43.96 -1.03 0.00	41.84 -1.34 0.00	43.38 -1.02 0.00	45.11 -1.25 0.00	44.29 -1.46 0.00	46.22 -1.23 0.00	48.39 -1.19 0.00	47.48 -0.38 0.00	48.33 -0.54 0.00	50.70 0.45 0.00	54.29 1.01 0.00	52.98 0.58 0.00	53.25 0.00 0.00	56.01 -0.11 0.00	59.11 0.06 0.00	56.42 0.06 0.00	55.69 -0.11 0.00	49.42 -0.45 0.00	45.15 -0.97 0.00	40.11 -0.90 0.00	36.76 0.11 0.00
HUNTLEY___68 23562	50.81 -0.31 0.00	48.52 -0.44 0.00	46.16 -0.89 0.00	43.96 -1.03 0.00	41.84 -1.34 0.00	43.38 -1.02 0.00	45.11 -1.25 0.00	44.29 -1.46 0.00	46.22 -1.23 0.00	48.39 -1.19 0.00	47.48 -0.38 0.00	48.33 -0.54 0.00	50.70 0.45 0.00	54.29 1.01 0.00	52.98 0.58 0.00	53.25 0.00 0.00	56.01 -0.11 0.00	59.11 0.06 0.00	56.42 0.06 0.00	55.69 -0.11 0.00	49.42 -0.45 0.00	45.15 -0.97 0.00	40.11 -0.90 0.00	36.76 0.11 0.00



HYLAND___LFGE 323620	52.81 1.68 0.00	50.14 1.17 0.00	47.72 0.66 0.00	45.40 0.40 0.00	43.30 0.13 0.00	44.89 0.49 0.00	46.59 0.23 0.00	45.94 0.18 0.00	47.03 -0.43 0.00	48.69 -0.89 0.00	47.30 -0.57 0.00	47.89 -0.98 0.00	50.25 0.00 0.00	53.06 -0.21 0.00	51.94 -0.47 0.00	53.36 0.11 0.00	56.52 0.40 0.00	60.12 1.06 0.00	57.71 1.35 0.00	57.86 2.07 0.00	52.46 2.59 0.00	49.29 3.18 0.00	43.39 2.38 0.00	39.14 2.49 0.00
INDECK___CORINTH 23802	53.37 2.25 0.00	51.02 2.06 0.00	48.94 1.88 0.00	46.52 1.53 0.00	44.81 1.64 0.00	46.13 1.73 0.00	48.12 1.76 0.00	48.00 2.24 0.00	49.69 2.23 0.00	51.52 1.93 0.00	49.11 1.24 0.00	50.23 1.37 0.00	51.20 0.95 0.00	54.18 0.90 0.00	53.72 1.31 0.00	54.91 1.65 0.00	57.58 1.46 0.00	60.82 1.77 0.00	58.50 2.14 0.00	57.92 2.12 0.00	52.01 2.14 0.00	47.96 1.85 0.00	42.61 1.60 0.00	38.30 1.65 0.00
INDECK___ILION 23567	52.25 1.12 0.00	49.99 1.03 0.00	48.05 0.99 0.00	45.89 0.90 0.00	44.04 0.86 0.00	45.29 0.89 0.00	47.24 0.88 0.00	46.81 1.05 0.00	48.55 1.09 0.00	50.62 1.04 0.00	48.83 0.96 0.00	49.84 0.98 0.00	51.26 1.00 0.00	54.34 1.07 0.00	53.56 1.15 0.00	54.48 1.22 0.00	57.31 1.18 0.00	60.29 1.24 0.00	57.49 1.13 0.00	56.80 1.00 0.00	50.82 0.95 0.00	46.85 0.74 0.00	41.58 0.57 0.00	37.23 0.59 0.00
INDECK___OLEAN 23982	51.27 0.15 0.00	48.77 -0.20 0.00	46.40 -0.66 0.00	44.23 -0.77 0.00	42.14 -1.04 0.00	43.69 -0.71 0.00	45.57 -0.79 0.00	45.21 -0.55 0.00	47.13 -0.33 0.00	49.29 -0.30 0.00	48.25 0.38 0.00	49.41 0.54 0.00	51.81 1.56 0.00	54.93 1.65 0.00	53.61 1.21 0.00	54.26 1.01 0.00	56.69 0.56 0.00	60.12 1.06 0.00	57.09 0.73 0.00	56.41 0.61 0.00	50.77 0.90 0.00	46.48 0.37 0.00	40.72 -0.29 0.00	37.05 0.40 0.00
INDECK___OSWEGO 23783	50.25 -0.87 0.00	48.03 -0.93 0.00	46.12 -0.94 0.00	44.05 -0.95 0.00	42.22 -0.95 0.00	43.47 -0.93 0.00	45.44 -0.93 0.00	44.71 -1.05 0.00	46.61 -1.14 -0.29	48.39 -1.19 0.00	46.81 -1.05 0.00	47.79 -1.08 0.00	48.74 -1.51 0.00	51.57 -1.71 0.00	50.78 -1.63 0.00	51.71 -1.55 0.00	54.84 -1.29 0.00	57.70 -1.36 0.00	55.01 -1.35 0.00	54.46 -1.34 0.00	48.82 -1.05 0.00	45.33 -0.78 0.00	40.23 -0.78 0.00	36.10 -0.55 0.00
INDECK___YERKES 23781	51.43 0.31 0.00	48.92 -0.05 0.00	46.49 -0.56 0.00	44.32 -0.67 0.00	42.14 -1.04 0.00	43.69 -0.71 0.00	45.39 -0.98 0.00	44.52 -1.23 0.00	46.51 -0.95 0.00	48.74 -0.84 0.00	48.01 0.14 0.00	48.82 -0.05 0.00	51.91 1.66 0.00	54.87 1.60 0.00	53.30 0.89 0.00	53.68 0.42 0.00	56.52 0.40 0.00	59.94 0.89 0.00	56.81 0.45 0.00	56.08 0.28 0.00	50.62 0.75 0.00	45.89 -0.23 0.00	40.68 -0.33 0.00	37.01 0.37 0.00
INDIAN POINT_GT_1 24139	54.49 3.37 0.00	52.10 3.13 0.00	49.97 2.92 0.00	47.74 2.74 0.00	45.89 2.72 0.00	47.16 2.75 0.00	49.42 3.06 0.00	49.97 4.21 0.00	51.64 4.18 0.00	53.45 3.87 0.00	51.31 3.45 0.00	52.43 3.57 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.86 4.45 0.00	57.99 4.74 0.00	60.50 4.38 0.00	63.78 4.72 0.00	60.30 3.95 0.00	59.48 3.68 0.00	53.76 3.89 0.00	49.57 3.46 0.00	43.96 2.95 0.00	39.69 3.04 0.00
INDIAN POINT_GT_2 23659	54.49 3.37 0.00	52.10 3.13 0.00	49.97 2.92 0.00	47.74 2.74 0.00	45.89 2.72 0.00	47.16 2.75 0.00	49.42 3.06 0.00	49.97 4.21 0.00	51.64 4.18 0.00	53.45 3.87 0.00	51.31 3.45 0.00	52.43 3.57 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.86 4.45 0.00	57.99 4.74 0.00	60.50 4.38 0.00	63.78 4.72 0.00	60.30 3.95 0.00	59.48 3.68 0.00	53.76 3.89 0.00	49.57 3.46 0.00	43.96 2.95 0.00	39.69 3.04 0.00
INDIAN POINT_GT_3 24019	54.49 3.37 0.00	52.10 3.13 0.00	49.97 2.92 0.00	47.74 2.74 0.00	45.89 2.72 0.00	47.16 2.75 0.00	49.42 3.06 0.00	49.97 4.21 0.00	51.64 4.18 0.00	53.45 3.87 0.00	51.31 3.45 0.00	52.43 3.57 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.86 4.45 0.00	57.99 4.74 0.00	60.50 4.38 0.00	63.78 4.72 0.00	60.30 3.95 0.00	59.48 3.68 0.00	53.76 3.89 0.00	49.57 3.46 0.00	43.96 2.95 0.00	39.69 3.04 0.00
INDIAN POINT___2 23530	54.34 3.22 0.00	51.95 2.99 0.00	49.88 2.82 0.00	47.65 2.65 0.00	45.81 2.63 0.00	47.11 2.71 0.00	49.33 2.97 0.00	49.88 4.12 0.00	51.54 4.08 0.00	53.40 3.82 0.00	51.22 3.35 0.00	52.43 3.57 0.00	53.82 3.57 0.00	57.16 3.89 0.00	56.81 4.40 0.00	57.94 4.69 0.00	60.45 4.32 0.00	63.72 4.66 0.00	60.36 4.00 0.00	59.42 3.62 0.00	53.56 3.69 0.00	49.44 3.32 0.00	43.80 2.79 0.00	39.65 3.01 0.00
INDIAN POINT___3 23531	54.39 3.27 0.00	52.00 3.04 0.00	49.83 2.78 0.00	47.65 2.65 0.00	45.76 2.59 0.00	47.07 2.66 0.00	49.28 2.92 0.00	49.88 4.12 0.00	51.54 4.08 0.00	53.35 3.77 0.00	51.22 3.35 0.00	52.34 3.47 0.00	53.92 3.67 0.00	57.06 3.78 0.00	56.76 4.35 0.00	57.89 4.63 0.00	60.39 4.27 0.00	63.66 4.61 0.00	60.19 3.83 0.00	59.37 3.57 0.00	53.66 3.79 0.00	49.48 3.37 0.00	43.88 2.87 0.00	39.61 2.97 0.00
INGHAM_C_115KV_TB7 356103	53.17 2.04 0.00	50.87 1.91 0.00	48.85 1.79 0.00	46.66 1.66 0.00	44.73 1.55 0.00	46.00 1.60 0.00	47.98 1.62 0.00	47.50 1.74 0.00	49.31 1.85 0.00	51.42 1.83 0.00	49.59 1.72 0.00	50.63 1.76 0.00	52.06 1.81 0.00	55.19 1.92 0.00	54.40 1.99 0.00	55.33 2.08 0.00	58.20 2.08 0.00	61.24 2.18 0.00	58.33 1.97 0.00	57.64 1.84 0.00	51.51 1.65 0.00	47.45 1.34 0.00	42.12 1.11 0.00	37.64 0.99 0.00
IP CORINTH___1 23988	53.68 2.56 0.00	51.32 2.35 0.00	49.22 2.16 0.00	46.79 1.80 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.36 1.99 0.00	48.27 2.52 0.00	49.97 2.52 0.00	51.81 2.23 0.00	49.40 1.53 0.00	50.53 1.66 0.00	51.61 1.36 0.00	54.45 1.17 0.00	54.03 1.62 0.00	55.17 1.92 0.00	57.87 1.74 0.00	61.18 2.13 0.00	58.78 2.42 0.00	58.20 2.40 0.00	52.41 2.54 0.00	48.28 2.17 0.00	42.85 1.85 0.00	38.48 1.83 0.00
IP___TICONDEROGA 23804	55.98 4.86 0.00	53.47 4.50 0.00	51.15 4.09 0.00	48.41 3.42 0.00	46.58 3.41 0.00	48.09 3.69 0.00	50.44 4.08 0.00	50.33 4.58 0.00	52.20 4.75 0.00	53.90 4.31 0.00	51.41 3.54 0.00	52.58 3.71 0.00	53.47 3.22 0.00	56.42 3.14 0.00	56.08 3.67 0.00	57.35 4.10 0.00	60.22 4.10 0.00	63.83 4.78 0.00	61.43 5.07 0.00	61.10 5.30 0.00	54.91 5.04 0.00	50.54 4.43 0.00	44.70 3.69 0.00	40.05 3.41 0.00
ISLIP_RES_REC 323679	58.83 4.96 -2.76	54.46 5.48 -0.01	52.33 5.27 -0.01	49.99 4.99 -0.01	48.46 5.27 -0.03	49.83 5.42 -0.01	52.03 5.65 -0.02	52.64 6.86 -0.02	53.97 6.50 -0.01	55.29 5.70 -0.01	51.72 4.07 0.22	52.91 4.40 0.35	54.41 4.47 0.31	57.86 5.12 0.53	58.29 5.87 -0.01	64.28 5.96 -5.06	61.92 5.78 -0.01	65.44 6.38 -0.01	60.82 5.13 0.67	59.80 4.63 0.63	54.74 4.99 0.11	50.31 4.20 0.00	45.85 4.84 -0.01	44.38 5.17 -2.56



JAMAICA__27_KV_LOAD 355505	55.62 4.50 0.00	53.08 4.11 0.00	50.82 3.76 0.00	48.50 3.51 0.00	46.58 3.41 0.00	47.96 3.55 0.00	50.44 4.08 0.00	51.11 5.35 0.00	52.87 5.41 0.00	54.69 5.11 0.00	52.18 4.31 0.00	53.26 4.40 0.00	54.77 4.52 0.00	57.96 4.69 0.00	57.75 5.35 0.00	58.90 5.64 0.00	61.51 5.39 0.00	64.78 5.73 0.00	61.09 4.73 0.00	60.21 4.41 0.00	54.66 4.79 0.00	50.36 4.24 0.00	44.82 3.81 0.00	40.57 3.92 0.00
JANIS__SOLAR 323808	53.83 2.71 0.00	51.36 2.40 0.00	49.22 2.17 0.00	46.93 1.93 0.00	44.90 1.73 0.00	46.31 1.91 0.00	48.26 1.90 0.00	48.96 3.20 0.00	50.54 3.08 0.00	52.46 2.87 0.00	50.59 2.73 0.00	51.80 2.93 0.00	53.47 3.22 0.00	56.69 3.41 0.00	55.81 3.40 0.00	57.09 3.84 0.00	58.82 2.69 0.00	62.53 3.48 0.00	59.74 3.38 0.00	59.32 3.52 0.00	53.26 3.39 0.00	48.74 2.63 0.00	42.90 1.89 0.00	38.51 1.87 0.00
JARVIS____ 23743	51.48 0.36 0.00	49.31 0.35 0.00	47.39 0.33 0.00	45.31 0.32 0.00	43.48 0.30 0.00	44.72 0.31 0.00	46.69 0.33 0.00	46.21 0.46 0.00	47.88 0.43 0.00	49.93 0.35 0.00	48.21 0.34 0.00	49.21 0.34 0.00	50.60 0.35 0.00	53.65 0.38 0.00	52.88 0.47 0.00	53.78 0.53 0.00	56.57 0.45 0.00	59.52 0.47 0.00	56.76 0.40 0.00	56.13 0.34 0.00	50.22 0.35 0.00	46.39 0.28 0.00	41.21 0.21 0.00	36.90 0.26 0.00
JENNISON____1 23625	54.03 2.91 0.00	51.71 2.74 0.00	49.55 2.49 0.00	47.29 2.29 0.00	45.25 2.07 0.00	46.62 2.22 0.00	48.63 2.27 0.00	49.28 3.52 0.00	51.02 3.56 0.00	53.00 3.42 0.00	51.12 3.26 0.00	52.34 3.47 0.00	53.97 3.72 0.00	57.33 4.05 0.00	56.55 4.14 0.00	57.73 4.47 0.00	59.61 3.48 0.00	63.13 4.07 0.00	60.13 3.78 0.00	59.42 3.63 0.00	53.26 3.39 0.00	48.74 2.63 0.00	42.94 1.93 0.00	38.59 1.94 0.00
JENNISON____2 23626	54.03 2.91 0.00	51.71 2.74 0.00	49.55 2.49 0.00	47.29 2.29 0.00	45.25 2.07 0.00	46.62 2.22 0.00	48.63 2.27 0.00	49.28 3.52 0.00	51.02 3.56 0.00	53.00 3.42 0.00	51.12 3.26 0.00	52.34 3.47 0.00	53.97 3.72 0.00	57.33 4.05 0.00	56.55 4.14 0.00	57.73 4.47 0.00	59.61 3.48 0.00	63.13 4.07 0.00	60.13 3.78 0.00	59.42 3.63 0.00	53.26 3.39 0.00	48.74 2.63 0.00	42.94 1.93 0.00	38.59 1.94 0.00
JERICOHO_RISE_WT_PWR 323719	50.10 -1.02 0.00	48.08 -0.88 0.00	46.16 -0.90 0.00	44.23 -0.77 0.00	42.53 -0.65 0.00	43.56 -0.85 0.00	45.53 -0.83 0.00	45.16 -0.60 0.00	47.03 -0.43 0.00	49.19 -0.40 0.00	47.58 -0.29 0.00	48.38 -0.49 0.00	49.60 -0.65 0.00	52.69 -0.58 0.00	51.57 -0.84 0.00	52.24 -1.01 0.00	55.12 -1.01 0.00	57.81 -1.24 0.00	55.23 -1.13 0.00	55.02 -0.78 0.00	49.07 -0.80 0.00	45.93 -0.18 0.00	40.89 -0.12 0.00	36.10 -0.55 0.00
KATONAH__115KV_46KV_TB4 355592	54.95 3.83 0.00	52.54 3.57 0.00	50.35 3.29 0.00	48.10 3.10 0.00	46.24 3.07 0.00	47.56 3.15 0.00	49.79 3.43 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.15 4.56 0.00	52.18 4.31 0.00	53.22 4.35 0.00	54.72 4.47 0.00	58.07 4.79 0.00	57.54 5.14 0.00	58.36 5.11 0.00	60.90 4.77 0.00	64.25 5.20 0.00	60.75 4.40 0.00	59.98 4.18 0.00	54.16 4.29 0.00	49.76 3.64 0.00	44.21 3.20 0.00	39.87 3.22 0.00
KCE_NY_1 323755	53.93 2.81 0.00	51.61 2.64 0.00	49.50 2.45 0.00	47.15 2.16 0.00	45.33 2.16 0.00	46.67 2.26 0.00	48.68 2.32 0.00	48.50 2.75 0.00	50.21 2.75 0.00	52.06 2.48 0.00	49.97 2.10 0.00	51.07 2.20 0.00	52.26 2.01 0.00	55.35 2.08 0.00	54.87 2.46 0.00	56.02 2.77 0.00	58.77 2.64 0.00	62.00 2.95 0.00	59.23 2.87 0.00	58.59 2.79 0.00	52.56 2.69 0.00	48.47 2.35 0.00	42.98 1.97 0.00	38.70 2.05 0.00
KCE_NY_6_ESR 323823	51.63 0.51 0.00	49.11 0.15 0.00	46.68 -0.38 0.00	44.50 -0.49 0.00	42.31 -0.86 0.00	43.87 -0.53 0.00	45.67 -0.69 0.00	44.93 -0.82 0.00	46.94 -0.52 0.00	49.14 -0.45 0.00	48.30 0.43 0.00	49.21 0.34 0.00	52.21 1.96 0.00	55.25 1.97 0.00	53.72 1.31 0.00	54.21 0.96 0.00	56.91 0.79 0.00	60.41 1.36 0.00	57.26 0.90 0.00	56.52 0.72 0.00	50.96 1.10 0.00	46.25 0.14 0.00	40.93 -0.08 0.00	37.23 0.58 0.00
KEDC_PORT_JEFF_GT2 24210	57.83 4.24 -2.47	53.87 4.90 -0.01	51.82 4.75 -0.01	49.54 4.54 -0.01	48.04 4.83 -0.03	49.38 4.97 -0.01	51.57 5.19 -0.02	52.14 6.36 -0.02	53.40 5.93 -0.01	54.70 5.11 -0.01	51.07 3.45 0.24	52.18 3.71 0.40	53.64 3.72 0.33	56.97 4.26 0.57	57.30 4.87 -0.01	64.30 4.85 -6.20	60.74 4.60 -0.01	64.19 5.13 0.00	59.59 3.94 0.71	58.81 3.68 0.67	53.98 4.24 0.13	49.85 3.73 0.00	45.53 4.51 -0.01	44.09 4.87 -2.56
KEDC_PORT_JEFF_GT3 24211	57.83 4.24 -2.47	53.87 4.90 -0.01	51.82 4.75 -0.01	49.54 4.54 -0.01	48.04 4.83 -0.03	49.38 4.97 -0.01	51.57 5.19 -0.02	52.14 6.36 -0.02	53.40 5.93 -0.01	54.70 5.11 -0.01	51.07 3.45 0.24	52.18 3.71 0.40	53.64 3.72 0.33	56.97 4.26 0.57	57.30 4.87 -0.01	64.30 4.85 -6.20	60.74 4.60 -0.01	64.19 5.13 0.00	59.59 3.94 0.71	58.81 3.68 0.67	53.98 4.24 0.13	49.85 3.73 0.00	45.53 4.51 -0.01	44.09 4.87 -2.56
KEDC_GLWD_GT4 24219	67.49 4.40 -11.97	53.13 4.16 0.00	50.97 3.90 -0.01	48.73 3.73 -0.01	46.82 3.63 -0.01	48.14 3.73 -0.01	50.45 4.08 -0.01	50.98 5.21 -0.01	52.63 5.17 0.00	54.30 4.71 0.00	51.55 3.69 0.00	52.82 3.96 0.00	54.27 4.02 0.00	57.75 4.48 0.00	57.49 5.08 0.00	58.63 5.38 0.00	61.18 5.05 0.00	64.48 5.43 0.00	60.87 4.51 0.00	59.87 4.07 0.00	54.06 4.19 0.00	50.03 3.92 0.00	44.75 3.73 -0.01	43.06 3.85 -2.56
KEDC_GLWD_GT5 24220	67.49 4.40 -11.97	53.13 4.16 0.00	50.97 3.90 -0.01	48.73 3.73 -0.01	46.82 3.63 -0.01	48.14 3.73 -0.01	50.45 4.08 -0.01	50.98 5.21 -0.01	52.63 5.17 0.00	54.30 4.71 0.00	51.55 3.69 0.00	52.82 3.96 0.00	54.27 4.02 0.00	57.75 4.48 0.00	57.49 5.08 0.00	58.63 5.38 0.00	61.18 5.05 0.00	64.48 5.43 0.00	60.87 4.51 0.00	59.87 4.07 0.00	54.06 4.19 0.00	50.03 3.92 0.00	44.75 3.73 -0.01	43.06 3.85 -2.56
KENSICO____ 23655	54.70 3.58 0.00	52.29 3.33 0.00	50.12 3.06 0.00	47.92 2.92 0.00	46.02 2.85 0.00	47.33 2.93 0.00	49.61 3.25 0.00	50.15 4.39 0.00	51.82 4.37 0.00	53.65 4.07 0.00	51.51 3.64 0.00	52.63 3.76 0.00	54.17 3.92 0.00	57.38 4.10 0.00	57.02 4.61 0.00	58.15 4.90 0.00	60.67 4.55 0.00	63.95 4.90 0.00	60.47 4.11 0.00	59.59 3.79 0.00	53.91 4.04 0.00	49.71 3.60 0.00	44.12 3.12 0.00	39.83 3.19 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	54.75 3.63 0.00	52.34 3.38 0.00	50.12 3.06 0.00	47.83 2.83 0.00	45.89 2.72 0.00	47.29 2.89 0.00	49.47 3.11 0.00	50.01 4.26 0.00	51.64 4.18 0.00	53.35 3.77 0.00	51.36 3.49 0.00	52.53 3.67 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.81 4.40 0.00	58.05 4.79 0.00	60.62 4.49 0.00	63.95 4.90 0.00	60.53 4.17 0.00	59.82 4.02 0.00	53.96 4.09 0.00	49.62 3.50 0.00	43.96 2.95 0.00	39.69 3.04 0.00



KIAC_JFK_GT1 23816	55.06 3.94 0.00	52.54 3.57 0.00	50.30 3.25 0.00	48.05 3.06 0.00	46.11 2.94 0.00	47.47 3.06 0.00	49.93 3.57 0.00	50.61 4.85 0.00	52.35 4.89 0.00	54.15 4.56 0.00	51.65 3.78 0.00	52.78 3.91 0.00	54.22 3.97 0.00	57.43 4.16 0.00	57.18 4.77 0.00	58.31 5.06 0.00	60.90 4.77 0.00	64.07 5.02 0.00	60.47 4.11 0.00	59.59 3.79 0.00	54.06 4.19 0.00	49.85 3.74 0.00	44.41 3.40 0.00	40.31 3.66 0.00
KIAC_JFK_GT2 23817	55.06 3.94 0.00	52.54 3.57 0.00	50.30 3.25 0.00	48.05 3.06 0.00	46.11 2.94 0.00	47.47 3.06 0.00	49.93 3.57 0.00	50.61 4.85 0.00	52.35 4.89 0.00	54.15 4.56 0.00	51.65 3.78 0.00	52.78 3.91 0.00	54.22 3.97 0.00	57.43 4.16 0.00	57.18 4.77 0.00	58.31 5.06 0.00	60.90 4.77 0.00	64.07 5.02 0.00	60.47 4.11 0.00	59.59 3.79 0.00	54.06 4.19 0.00	49.85 3.74 0.00	44.41 3.40 0.00	40.31 3.66 0.00
KIAC_JFK____ 323774	54.96 3.84 0.00	52.44 3.48 0.00	50.30 3.24 0.00	48.01 3.01 0.00	46.11 2.94 0.00	47.47 3.06 0.00	49.93 3.57 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.14 4.56 0.00	51.60 3.74 0.00	52.78 3.91 0.00	54.07 3.82 0.00	57.43 4.16 0.00	57.13 4.72 0.00	58.26 5.00 0.00	60.89 4.77 0.00	64.07 5.02 0.00	60.59 4.23 0.00	59.65 3.85 0.00	53.86 3.99 0.00	49.71 3.60 0.00	44.29 3.28 0.00	40.31 3.66 0.00
KINTIGH__24_KV_GSU 356498	50.87 -0.25 0.00	48.43 -0.54 0.00	46.12 -0.94 0.00	43.96 -1.03 0.00	41.83 -1.34 0.00	43.34 -1.07 0.00	45.11 -1.25 0.00	44.34 -1.42 0.00	46.22 -1.23 0.00	48.35 -1.24 0.00	47.53 -0.33 0.00	48.38 -0.49 0.00	51.10 0.85 0.00	53.97 0.69 0.00	52.62 0.21 0.00	53.04 -0.21 0.00	55.96 -0.17 0.00	59.23 0.18 0.00	56.25 -0.11 0.00	55.58 -0.22 0.00	50.12 0.25 0.00	45.56 -0.55 0.00	40.47 -0.53 0.00	36.61 -0.04 0.00
KINTIGH____ 23543	50.71 -0.41 0.00	48.43 -0.54 0.00	46.12 -0.94 0.00	43.91 -1.08 0.00	41.84 -1.34 0.00	43.34 -1.07 0.00	45.11 -1.25 0.00	44.34 -1.42 0.00	46.22 -1.23 0.00	48.34 -1.24 0.00	47.44 -0.43 0.00	48.23 -0.64 0.00	50.45 0.20 0.00	53.86 0.59 0.00	52.67 0.26 0.00	52.99 -0.27 0.00	55.85 -0.28 0.00	58.93 -0.12 0.00	56.25 -0.11 0.00	55.52 -0.28 0.00	49.37 -0.50 0.00	45.15 -0.97 0.00	40.15 -0.86 0.00	36.61 -0.04 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	50.51 -0.61 0.00	48.28 -0.69 0.00	46.68 -0.38 0.00	44.77 -0.22 0.00	43.00 -0.17 0.00	44.14 -0.27 0.00	46.13 -0.23 0.00	45.76 0.00 0.00	47.60 0.14 0.00	49.63 0.05 0.00	48.15 0.29 0.00	49.16 0.29 0.00	50.05 -0.20 0.00	53.22 -0.05 0.00	51.94 -0.47 0.00	52.72 -0.53 0.00	55.68 -0.45 0.00	58.46 -0.59 0.00	55.74 -0.62 0.00	55.63 -0.17 0.00	49.67 -0.20 0.00	46.76 0.65 0.00	41.58 0.57 0.00	36.76 0.11 0.00
LACHUTE____HYDRO 323717	55.98 4.86 0.00	53.42 4.46 0.00	51.15 4.09 0.00	48.46 3.46 0.00	46.58 3.41 0.00	48.09 3.68 0.00	50.44 4.08 0.00	50.38 4.62 0.00	52.20 4.75 0.00	53.90 4.31 0.00	51.41 3.54 0.00	52.63 3.76 0.00	53.42 3.17 0.00	56.42 3.14 0.00	56.08 3.67 0.00	57.51 4.26 0.00	60.39 4.26 0.00	63.83 4.78 0.00	61.49 5.13 0.00	61.16 5.36 0.00	54.86 4.99 0.00	50.50 4.38 0.00	44.66 3.65 0.00	40.05 3.41 0.00
LAWRNCV_115KV_TB1 80681	50.30 -0.82 0.00	48.23 -0.73 0.00	46.45 -0.61 0.00	44.59 -0.40 0.00	42.91 -0.26 0.00	43.96 -0.44 0.00	45.85 -0.51 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.53 -0.05 0.00	47.72 -0.14 0.00	48.82 -0.05 0.00	49.90 -0.35 0.00	53.01 -0.27 0.00	51.78 -0.63 0.00	52.40 -0.85 0.00	54.84 -1.29 0.00	57.46 -1.59 0.00	54.89 -1.47 0.00	54.79 -1.00 0.00	49.27 -0.60 0.00	46.02 -0.09 0.00	41.13 0.12 0.00	36.21 -0.44 0.00
LEDERLE____ 23769	54.60 3.48 0.00	52.20 3.23 0.00	49.97 2.92 0.00	47.78 2.79 0.00	45.89 2.72 0.00	47.20 2.80 0.00	49.42 3.06 0.00	50.01 4.26 0.00	51.73 4.27 0.00	53.55 3.97 0.00	51.51 3.64 0.00	52.68 3.81 0.00	54.22 3.97 0.00	57.43 4.16 0.00	57.07 4.66 0.00	58.26 5.01 0.00	60.79 4.66 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.70 3.91 0.00	53.96 4.09 0.00	49.71 3.60 0.00	44.04 3.03 0.00	39.76 3.11 0.00
LIGHTHSE_115KV_TB6 355974	50.81 -0.31 0.00	48.77 -0.20 0.00	46.77 -0.28 0.00	44.77 -0.22 0.00	42.87 -0.30 0.00	44.18 -0.22 0.00	46.08 -0.28 0.00	45.48 -0.27 0.00	47.35 -0.28 0.00	49.19 -0.40 0.00	47.48 -0.38 0.00	48.48 -0.39 0.00	49.75 -0.50 0.00	52.74 -0.53 0.00	51.94 -0.47 0.00	52.88 -0.37 0.00	55.90 -0.22 0.00	58.93 -0.12 0.00	56.30 -0.06 0.00	55.80 0.00 0.00	49.97 0.10 0.00	45.93 -0.18 0.00	40.80 -0.21 0.00	36.61 -0.04 0.00
LINDEN COGEN____ 23786	54.75 3.63 0.00	52.29 3.33 0.01	50.16 3.11 0.00	47.96 2.97 0.00	46.07 2.89 0.00	47.33 2.93 0.01	49.70 3.34 0.00	50.33 4.58 0.00	52.11 4.65 0.00	52.55 4.31 1.35	51.70 3.83 0.00	52.82 3.96 0.00	54.12 3.87 0.00	56.76 4.16 0.67	57.12 4.72 0.00	56.81 4.95 1.40	59.04 4.60 1.69	57.44 4.84 6.45	56.19 4.06 4.23	56.18 3.68 3.30	53.76 3.89 0.00	49.76 3.64 0.00	44.12 3.12 0.00	40.02 3.37 0.00
LINDHRST_69_KV_BK1 356055	62.08 5.16 -5.80	54.11 5.14 0.00	51.90 4.85 0.00	49.67 4.68 0.00	47.85 4.66 -0.02	49.20 4.80 0.00	51.46 5.10 0.00	52.07 6.31 0.00	53.58 6.12 0.00	54.79 5.21 0.00	51.53 3.78 0.12	52.68 3.96 0.14	54.50 4.42 0.18	57.62 4.64 0.29	58.07 5.66 0.00	59.57 5.86 -0.46	61.68 5.56 0.00	65.08 6.02 -0.01	60.83 4.85 0.38	59.96 4.52 0.36	54.70 4.89 0.05	50.73 4.61 0.00	45.81 4.80 0.00	44.05 4.84 -2.56
LIPA_MISC_IPP 23656	58.16 4.60 -2.44	54.02 5.04 -0.01	51.67 4.61 0.00	49.45 4.45 0.00	48.16 4.96 -0.02	49.51 5.11 0.00	51.70 5.33 -0.01	52.31 6.54 -0.01	53.69 6.22 -0.01	54.85 5.26 -0.01	51.33 3.64 0.18	52.43 3.86 0.29	54.33 4.32 0.24	57.39 4.53 0.42	57.92 5.50 -0.01	64.18 5.70 -5.23	61.58 5.44 -0.01	64.90 5.85 0.00	60.51 4.68 0.52	59.66 4.35 0.50	54.51 4.74 0.09	50.31 4.20 0.00	45.31 4.31 0.00	43.94 4.73 -2.56
LISF____SOLAR 323691	57.99 4.40 -2.47	54.11 5.14 -0.01	51.87 4.80 -0.01	49.54 4.54 -0.01	48.29 5.09 -0.02	49.65 5.24 -0.01	51.85 5.47 -0.02	52.41 6.63 -0.02	53.68 6.22 -0.01	55.00 5.41 -0.01	51.36 3.69 0.19	52.57 4.01 0.31	54.12 4.12 0.25	57.52 4.69 0.44	57.92 5.50 -0.01	64.20 5.64 -5.31	61.58 5.44 -0.01	65.08 6.03 0.00	60.65 4.85 0.55	59.63 4.36 0.52	54.46 4.69 0.10	49.76 3.64 0.00	45.28 4.26 -0.01	44.05 4.84 -2.56
LITTLE FALLS____HYD 24013	53.17 2.04 0.00	50.87 1.91 0.00	48.85 1.79 0.00	46.66 1.66 0.00	44.73 1.55 0.00	46.00 1.60 0.00	47.98 1.62 0.00	47.50 1.74 0.00	49.31 1.85 0.00	51.42 1.83 0.00	49.59 1.72 0.00	50.63 1.76 0.00	52.06 1.81 0.00	55.19 1.92 0.00	54.40 1.99 0.00	55.33 2.08 0.00	58.20 2.08 0.00	61.24 2.18 0.00	58.33 1.97 0.00	57.64 1.84 0.00	51.51 1.65 0.00	47.45 1.34 0.00	42.12 1.11 0.00	37.64 0.99 0.00



LITTLRIV_115KV_TB1 356100	50.86 -0.26 0.00	48.77 -0.20 0.00	46.96 -0.09 0.00	45.04 0.04 0.00	43.39 0.22 0.00	44.40 0.00 0.00	46.32 -0.05 0.00	45.94 0.18 0.00	47.74 0.28 0.00	49.93 0.35 0.00	48.11 0.24 0.00	49.16 0.29 0.00	50.25 0.00 0.00	53.38 0.11 0.00	52.15 -0.26 0.00	52.83 -0.43 0.00	55.28 -0.84 0.00	57.99 -1.06 0.00	55.51 -0.85 0.00	55.46 -0.33 0.00	49.87 0.00 0.00	46.58 0.46 0.00	41.54 0.53 0.00	36.54 -0.11 0.00
LI_NEWBRDGE___DRP 323616	55.81 4.19 -0.50	52.93 3.97 0.00	50.87 3.81 0.00	48.64 3.64 0.00	46.77 3.58 -0.01	48.09 3.69 0.00	50.35 3.99 0.00	50.93 5.17 0.00	52.49 5.03 0.00	53.80 4.21 0.00	50.84 2.97 0.00	52.04 3.18 0.00	53.77 3.52 0.00	56.95 3.68 0.00	56.97 4.56 0.00	58.05 4.79 0.00	60.56 4.43 0.00	63.83 4.78 0.00	60.08 3.72 0.00	59.20 3.40 0.00	53.71 3.84 0.00	49.80 3.69 0.00	44.82 3.81 0.00	43.10 3.88 -2.56
LOCKPORT_115KV_TB60_63_64 80432	50.97 -0.15 0.00	48.67 -0.29 0.00	46.21 -0.85 0.00	44.00 -0.99 0.00	41.88 -1.30 0.00	43.38 -1.02 0.00	45.11 -1.25 0.00	44.20 -1.56 0.00	46.18 -1.28 0.00	48.29 -1.29 0.00	47.48 -0.38 0.00	48.28 -0.59 0.00	50.70 0.45 0.00	54.24 0.96 0.00	52.88 0.47 0.00	53.15 -0.11 0.00	55.96 -0.17 0.00	59.05 0.00 0.00	56.42 0.06 0.00	55.69 -0.11 0.00	49.42 -0.45 0.00	45.10 -1.01 0.00	40.11 -0.90 0.00	36.79 0.15 0.00
LOCKPORT___CC1 323769	51.12 0.00 0.00	48.67 -0.29 0.00	46.21 -0.85 0.00	44.00 -0.99 0.00	41.88 -1.29 0.00	43.38 -1.02 0.00	45.11 -1.25 0.00	44.20 -1.56 0.00	46.13 -1.33 0.00	48.29 -1.29 0.00	47.63 -0.24 0.00	48.38 -0.49 0.00	51.45 1.20 0.00	54.34 1.07 0.00	52.83 0.42 0.00	53.15 -0.11 0.00	56.01 -0.11 0.00	59.41 0.36 0.00	56.36 0.00 0.00	55.69 -0.11 0.00	50.27 0.40 0.00	45.56 -0.55 0.00	40.47 -0.53 0.00	36.79 0.15 0.00
LOCKPORT___CC2 323770	51.12 0.00 0.00	48.67 -0.29 0.00	46.21 -0.85 0.00	44.00 -0.99 0.00	41.88 -1.29 0.00	43.38 -1.02 0.00	45.11 -1.25 0.00	44.20 -1.56 0.00	46.13 -1.33 0.00	48.29 -1.29 0.00	47.63 -0.24 0.00	48.38 -0.49 0.00	51.45 1.20 0.00	54.34 1.07 0.00	52.83 0.42 0.00	53.15 -0.11 0.00	56.01 -0.11 0.00	59.41 0.36 0.00	56.36 0.00 0.00	55.69 -0.11 0.00	50.27 0.40 0.00	45.56 -0.55 0.00	40.47 -0.53 0.00	36.79 0.15 0.00
LOCKPORT___CC3 323771	51.12 0.00 0.00	48.67 -0.29 0.00	46.21 -0.85 0.00	44.00 -0.99 0.00	41.88 -1.29 0.00	43.38 -1.02 0.00	45.11 -1.25 0.00	44.20 -1.56 0.00	46.13 -1.33 0.00	48.29 -1.29 0.00	47.63 -0.24 0.00	48.38 -0.49 0.00	51.45 1.20 0.00	54.34 1.07 0.00	52.83 0.42 0.00	53.15 -0.11 0.00	56.01 -0.11 0.00	59.41 0.36 0.00	56.36 0.00 0.00	55.69 0.00 0.00	50.27 0.40 0.00	45.56 -0.55 0.00	40.47 -0.53 0.00	36.79 0.15 0.00
LOCUSVLY_69_KV_BK2 55797	65.62 4.65 -9.85	53.37 4.41 0.00	51.25 4.19 0.00	49.00 4.00 0.00	47.07 3.89 -0.01	48.40 4.00 0.00	50.67 4.31 0.00	51.29 5.54 0.00	52.87 5.41 0.00	54.34 4.76 0.00	51.70 3.83 0.00	52.83 3.96 0.00	54.57 4.32 0.00	57.86 4.58 0.00	57.81 5.40 0.00	58.90 5.64 0.00	61.40 5.28 0.00	64.72 5.67 0.00	60.92 4.57 0.00	59.98 4.18 0.00	54.41 4.54 0.00	50.31 4.20 0.00	45.15 4.14 0.00	43.35 4.14 -2.56
LONG_LAKE_PHOENIX 24014	50.20 -0.92 0.00	48.08 -0.88 0.00	46.12 -0.94 0.00	44.05 -0.94 0.00	42.22 -0.95 0.00	43.52 -0.89 0.00	45.43 -0.93 0.00	44.70 -1.05 0.00	46.64 -1.09 -0.27	48.44 -1.14 0.00	46.86 -1.01 0.00	47.79 -1.08 0.00	49.19 -1.06 0.00	52.21 -1.07 0.00	51.41 -1.00 0.00	52.29 -0.96 0.00	55.51 -0.62 0.00	58.40 -0.65 0.00	55.74 -0.62 0.00	55.13 -0.67 0.00	49.32 -0.55 0.00	45.38 -0.74 0.00	40.27 -0.74 0.00	36.17 -0.48 0.00
LOVETT___3 23632	54.29 3.17 0.00	51.90 2.94 0.00	49.74 2.68 0.00	47.56 2.56 0.00	45.72 2.55 0.00	46.98 2.58 0.00	49.19 2.83 0.00	49.78 4.03 0.00	51.45 3.99 0.00	53.25 3.67 0.00	51.17 3.30 0.00	52.29 3.42 0.00	53.87 3.62 0.00	57.06 3.78 0.00	56.71 4.30 0.00	57.83 4.58 0.00	60.34 4.21 0.00	63.60 4.55 0.00	60.13 3.78 0.00	59.31 3.52 0.00	53.61 3.74 0.00	49.44 3.32 0.00	43.80 2.79 0.00	39.58 2.93 0.00
LOVETT___4 23642	54.29 3.17 0.00	51.90 2.94 0.00	49.74 2.68 0.00	47.56 2.56 0.00	45.72 2.55 0.00	46.98 2.58 0.00	49.19 2.83 0.00	49.78 4.03 0.00	51.45 3.99 0.00	53.25 3.67 0.00	51.17 3.30 0.00	52.29 3.42 0.00	53.87 3.62 0.00	57.06 3.78 0.00	56.71 4.30 0.00	57.83 4.58 0.00	60.34 4.21 0.00	63.60 4.55 0.00	60.13 3.78 0.00	59.31 3.52 0.00	53.61 3.74 0.00	49.44 3.32 0.00	43.80 2.79 0.00	39.58 2.93 0.00
LOVETT___5 23593	54.29 3.17 0.00	51.90 2.94 0.00	49.74 2.68 0.00	47.56 2.56 0.00	45.72 2.55 0.00	46.98 2.58 0.00	49.19 2.83 0.00	49.78 4.03 0.00	51.45 3.99 0.00	53.25 3.67 0.00	51.17 3.30 0.00	52.29 3.42 0.00	53.87 3.62 0.00	57.06 3.78 0.00	56.71 4.30 0.00	57.83 4.58 0.00	60.34 4.21 0.00	63.60 4.55 0.00	60.13 3.78 0.00	59.31 3.52 0.00	53.61 3.74 0.00	49.44 3.32 0.00	43.80 2.79 0.00	39.58 2.93 0.00
LOWER RAQUET___HYD 24057	50.20 -0.92 0.00	48.28 -0.69 0.00	46.40 -0.66 0.00	44.54 -0.45 0.00	42.92 -0.26 0.00	43.96 -0.44 0.00	45.85 -0.51 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.53 -0.05 0.00	47.72 -0.14 0.00	48.67 -0.19 0.00	49.85 -0.40 0.00	53.01 -0.27 0.00	51.83 -0.58 0.00	52.35 -0.91 0.00	54.67 -1.46 0.00	57.28 -1.77 0.00	54.72 -1.64 0.00	54.62 -1.17 0.00	49.22 -0.65 0.00	46.02 -0.09 0.00	41.09 0.08 0.00	36.21 -0.44 0.00
LOWER___HUDSON 24059	53.17 2.05 0.00	50.87 1.91 0.00	48.89 1.83 0.00	46.66 1.67 0.00	44.81 1.64 0.00	46.09 1.69 0.00	48.17 1.81 0.00	48.09 2.33 0.00	49.69 2.23 0.00	51.57 1.99 0.00	49.54 1.67 0.00	50.62 1.76 0.00	51.86 1.61 0.00	55.03 1.76 0.00	54.51 2.10 0.00	55.59 2.34 0.00	58.26 2.13 0.00	61.47 2.42 0.00	58.62 2.26 0.00	57.86 2.07 0.00	51.91 2.05 0.00	47.96 1.85 0.00	42.53 1.52 0.00	38.33 1.69 0.00
LOWVILLE_115KV_TB2 356335	51.58 0.46 0.00	49.60 0.64 0.00	47.72 0.66 0.00	46.03 1.03 0.00	44.17 0.99 0.00	45.38 0.98 0.00	47.34 0.97 0.00	47.04 1.28 0.00	48.84 1.33 -0.05	50.67 1.09 0.00	48.73 0.86 0.00	49.80 0.93 0.00	51.00 0.75 0.00	54.08 0.80 0.00	53.30 0.89 0.00	54.32 1.07 0.00	57.14 1.01 0.00	59.76 0.71 0.00	56.92 0.56 0.00	56.52 0.73 0.00	50.72 0.85 0.00	46.76 0.65 0.00	41.50 0.49 0.00	36.94 0.29 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	53.93 2.81 0.00	51.56 2.60 0.00	49.50 2.45 0.00	47.15 2.16 0.00	45.29 2.12 0.00	46.62 2.22 0.00	48.68 2.32 0.00	48.50 2.75 0.00	50.16 2.71 0.00	52.01 2.43 0.00	49.93 2.06 0.00	51.02 2.15 0.00	52.31 2.06 0.00	55.30 2.02 0.00	54.82 2.41 0.00	55.92 2.66 0.00	58.65 2.53 0.00	61.94 2.89 0.00	59.12 2.76 0.00	58.48 2.68 0.00	52.56 2.69 0.00	48.51 2.40 0.00	43.02 2.01 0.00	38.66 2.02 0.00



LUTHERNY_35_KV_BK2 355980	53.93 2.81 0.00	51.61 2.64 0.00	49.50 2.45 0.00	47.15 2.16 0.00	45.33 2.16 0.00	46.67 2.26 0.00	48.68 2.32 0.00	48.50 2.75 0.00	50.16 2.71 0.00	52.06 2.48 0.00	49.97 2.11 0.00	51.07 2.20 0.00	52.31 2.06 0.00	55.35 2.08 0.00	54.87 2.46 0.00	55.97 2.72 0.00	58.71 2.58 0.00	62.00 2.95 0.00	59.18 2.82 0.00	58.53 2.73 0.00	52.61 2.74 0.00	48.56 2.44 0.00	43.02 2.01 0.00	38.70 2.05 0.00
LWR___OSWEGATCHIE_HYD 23850	50.86 -0.26 0.00	48.82 -0.15 0.00	46.96 -0.09 0.00	45.17 0.18 0.00	43.43 0.26 0.00	44.54 0.13 0.00	46.50 0.14 0.00	46.12 0.37 0.00	47.93 0.43 -0.05	49.93 0.35 0.00	48.06 0.19 0.00	49.16 0.29 0.00	50.30 0.05 0.00	53.33 0.05 0.00	52.30 -0.10 0.00	53.09 -0.16 0.00	55.68 -0.45 0.00	58.40 -0.65 0.00	55.74 -0.62 0.00	55.46 -0.33 0.00	49.92 0.05 0.00	46.30 0.18 0.00	41.30 0.29 0.00	36.57 -0.07 0.00
LYONS_FALL_HYD 23570	51.94 0.82 0.00	49.80 0.83 0.00	47.86 0.80 0.00	46.03 1.04 0.00	44.12 0.95 0.00	45.38 0.98 0.00	47.38 1.02 0.00	47.08 1.33 0.00	48.84 1.38 0.00	50.77 1.19 0.00	48.87 1.01 0.00	49.94 1.07 0.00	51.25 1.00 0.00	54.29 1.01 0.00	53.51 1.10 0.00	54.53 1.28 0.00	57.31 1.18 0.00	60.17 1.12 0.00	57.37 1.02 0.00	56.86 1.06 0.00	50.96 1.10 0.00	46.99 0.87 0.00	41.66 0.65 0.00	37.16 0.51 0.00
MADISON___COUNTY_LFGE 323628	52.71 1.58 0.00	50.43 1.47 0.00	48.42 1.36 0.00	46.25 1.26 0.00	44.34 1.17 0.00	45.65 1.24 0.00	47.61 1.25 0.00	47.40 1.65 0.00	49.21 1.71 -0.04	51.17 1.59 0.00	49.40 1.53 0.00	50.48 1.61 0.00	51.86 1.61 0.00	55.03 1.76 0.00	54.24 1.83 0.00	55.28 2.02 0.00	58.04 1.91 0.00	61.24 2.18 0.00	58.39 2.03 0.00	57.81 2.01 0.00	51.76 1.90 0.00	47.59 1.48 0.00	42.16 1.15 0.00	37.75 1.10 0.00
MALONE___115KV_TB1 356076	50.66 -0.46 0.00	48.48 -0.49 0.00	46.68 -0.38 0.00	44.81 -0.18 0.00	43.09 -0.09 0.00	44.18 -0.22 0.00	46.18 -0.19 0.00	45.80 0.05 0.00	47.70 0.24 0.00	49.88 0.30 0.00	48.20 0.34 0.00	49.21 0.34 0.00	50.25 0.00 0.00	53.49 0.21 0.00	52.15 -0.26 0.00	52.93 -0.32 0.00	55.73 -0.39 0.00	58.46 -0.59 0.00	55.74 -0.62 0.00	55.69 -0.11 0.00	49.77 -0.10 0.00	46.58 0.46 0.00	41.46 0.45 0.00	36.57 -0.07 0.00
MAPLEWOD_115KV_TB3 80458	52.86 1.74 0.00	50.63 1.66 0.00	48.61 1.55 0.00	46.39 1.39 0.00	44.56 1.38 0.00	45.87 1.47 0.00	47.89 1.53 0.00	47.45 1.69 0.00	49.02 1.57 0.00	50.87 1.29 0.00	49.02 1.15 0.00	50.04 1.17 0.00	51.36 1.11 0.00	54.39 1.12 0.00	53.88 1.47 0.00	54.90 1.65 0.00	57.53 1.40 0.00	60.70 1.65 0.00	57.71 1.35 0.00	57.03 1.23 0.00	51.27 1.40 0.00	47.41 1.29 0.00	42.07 1.07 0.00	37.82 1.17 0.00
MAPLE_RIDGE_WT_1 323574	50.56 -0.56 0.00	48.52 -0.44 0.00	46.68 -0.38 0.00	44.72 -0.27 0.00	42.96 -0.21 0.00	44.14 -0.26 0.00	46.09 -0.28 0.00	45.62 -0.14 0.00	47.36 -0.09 0.00	49.48 -0.10 0.00	47.77 -0.10 0.00	48.77 -0.10 0.00	50.10 -0.15 0.00	53.12 -0.16 0.00	52.20 -0.21 0.00	52.99 -0.26 0.00	55.74 -0.39 0.00	58.58 -0.47 0.00	55.85 -0.51 0.00	55.35 -0.45 0.00	49.42 -0.45 0.00	45.74 -0.37 0.00	40.68 -0.33 0.00	36.28 -0.37 0.00
MAPLE_RIDGE_WT_2 323611	50.56 -0.56 0.00	48.52 -0.44 0.00	46.68 -0.38 0.00	44.72 -0.27 0.00	42.96 -0.21 0.00	44.14 -0.26 0.00	46.09 -0.28 0.00	45.62 -0.14 0.00	47.36 -0.09 0.00	49.48 -0.10 0.00	47.77 -0.10 0.00	48.77 -0.10 0.00	50.10 -0.15 0.00	53.12 -0.16 0.00	52.20 -0.21 0.00	52.99 -0.26 0.00	55.74 -0.39 0.00	58.58 -0.47 0.00	55.85 -0.51 0.00	55.35 -0.45 0.00	49.42 -0.45 0.00	45.74 -0.37 0.00	40.68 -0.33 0.00	36.28 -0.37 0.00
MARBLE_RIVER_WT_PWR 323696	50.15 -0.97 0.00	48.18 -0.79 0.00	46.26 -0.80 0.00	44.32 -0.67 0.00	42.61 -0.56 0.00	43.69 -0.71 0.00	45.67 -0.69 0.00	45.25 -0.50 0.00	47.13 -0.33 0.00	49.24 -0.34 0.00	47.68 -0.19 0.00	48.43 -0.44 0.00	49.65 -0.60 0.00	52.74 -0.53 0.00	51.62 -0.78 0.00	52.35 -0.91 0.00	55.23 -0.90 0.00	57.93 -1.12 0.00	55.29 -1.07 0.00	55.07 -0.73 0.00	49.17 -0.70 0.00	46.02 -0.09 0.00	41.01 0.00 0.00	36.21 -0.44 0.00
MARSHVLE_115KV_TB1 80742	54.03 2.91 0.00	51.66 2.69 0.00	49.60 2.54 0.00	47.20 2.20 0.00	45.29 2.12 0.00	46.80 2.40 0.00	48.68 2.32 0.00	48.37 2.61 0.00	49.93 2.47 0.00	51.67 2.08 0.00	49.69 1.82 0.00	50.72 1.86 0.00	52.06 1.81 0.00	55.14 1.86 0.00	54.56 2.15 0.00	55.76 2.50 0.00	58.32 2.19 0.00	61.77 2.72 0.00	59.06 2.71 0.00	58.81 3.01 0.00	52.91 3.04 0.00	48.65 2.54 0.00	43.02 2.01 0.00	38.55 1.91 0.00
MARSH_HILL_WT_PWR 323713	52.55 1.43 0.00	49.99 1.03 0.00	47.72 0.66 0.00	45.44 0.45 0.00	43.35 0.17 0.00	44.94 0.53 0.00	46.78 0.42 0.00	46.67 0.91 0.00	48.41 0.95 0.00	50.48 0.89 0.00	49.16 1.29 0.00	50.04 1.17 0.00	52.36 2.11 0.00	55.41 2.13 0.00	54.24 1.83 0.00	55.12 1.86 0.00	57.53 1.40 0.00	61.12 2.07 0.00	58.33 1.97 0.00	57.97 2.17 0.00	52.26 2.39 0.00	47.82 1.71 0.00	42.07 1.06 0.00	38.07 1.43 0.00
MCINTYRE_115KV_TB2 80467	51.17 0.05 0.00	49.11 0.15 0.00	47.25 0.19 0.00	45.31 0.31 0.00	43.61 0.43 0.00	44.58 0.18 0.00	46.45 0.09 0.00	46.03 0.27 0.00	47.79 0.33 0.00	49.98 0.40 0.00	48.11 0.24 0.00	49.16 0.29 0.00	50.25 0.00 0.00	53.38 0.11 0.00	52.15 -0.26 0.00	52.88 -0.37 0.00	55.51 -0.62 0.00	58.28 -0.77 0.00	55.91 -0.45 0.00	55.91 0.11 0.00	50.12 0.25 0.00	46.76 0.65 0.00	41.71 0.70 0.00	36.68 0.04 0.00
MECO_____69_KV_BK1 80468	55.21 4.09 0.00	52.78 3.82 0.00	50.63 3.58 0.00	48.10 3.10 0.00	46.20 3.02 0.00	47.73 3.33 0.00	49.75 3.38 0.00	49.42 3.66 0.00	51.07 3.61 0.00	52.76 3.17 0.00	50.74 2.87 0.00	51.80 2.93 0.00	53.06 2.81 0.00	56.15 2.88 0.00	55.66 3.25 0.00	56.87 3.62 0.00	59.61 3.48 0.00	63.18 4.13 0.00	60.42 4.06 0.00	60.04 4.24 0.00	53.86 3.99 0.00	49.57 3.46 0.00	43.84 2.83 0.00	39.28 2.64 0.00
MENANDS___115KV_TB5 355628	52.55 1.43 0.00	50.29 1.32 0.00	48.33 1.27 0.00	46.12 1.12 0.00	44.30 1.12 0.00	45.60 1.20 0.00	47.66 1.30 0.00	47.18 1.42 0.00	48.74 1.28 0.00	50.53 0.94 0.00	48.73 0.86 0.00	49.70 0.83 0.00	51.05 0.80 0.00	54.02 0.75 0.00	53.51 1.10 0.00	54.58 1.33 0.00	57.19 1.07 0.00	60.29 1.24 0.00	57.26 0.90 0.00	56.64 0.84 0.00	50.87 1.00 0.00	47.08 0.97 0.00	41.79 0.78 0.00	37.60 0.95 0.00
MG INDUSTRY___DRP 24185	52.55 1.43 0.00	50.38 1.42 0.00	48.47 1.41 0.00	46.25 1.26 0.00	44.43 1.25 0.00	45.69 1.29 0.00	47.66 1.30 0.00	47.18 1.42 0.00	48.65 1.19 0.00	50.48 0.89 0.00	48.59 0.72 0.00	49.60 0.73 0.00	50.90 0.65 0.00	53.92 0.64 0.00	53.40 1.00 0.00	54.42 1.17 0.00	57.08 0.95 0.00	60.23 1.18 0.00	57.32 0.96 0.00	56.69 0.89 0.00	50.92 1.05 0.00	47.13 1.01 0.00	41.87 0.86 0.00	37.67 1.03 0.00



MID___OSWEGATCHIE_HYD 23849	50.86 -0.26 0.00	48.82 -0.15 0.00	46.96 -0.09 0.00	45.17 0.18 0.00	43.43 0.26 0.00	44.54 0.13 0.00	46.50 0.14 0.00	46.12 0.37 0.00	47.93 0.43 -0.05	49.93 0.35 0.00	48.06 0.19 0.00	49.16 0.29 0.00	50.30 0.05 0.00	53.33 0.05 0.00	52.30 -0.10 0.00	53.09 -0.16 0.00	55.68 -0.45 0.00	58.40 -0.65 0.00	55.74 -0.62 0.00	55.46 -0.33 0.00	49.92 0.05 0.00	46.30 0.18 0.00	41.30 0.29 0.00	36.57 -0.07 0.00
MID___RAQUETTE_HYD 23851	50.25 -0.87 0.00	48.18 -0.78 0.00	46.40 -0.66 0.00	44.54 -0.45 0.00	42.91 -0.26 0.00	43.96 -0.44 0.00	45.85 -0.51 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.53 -0.05 0.00	47.72 -0.14 0.00	48.82 -0.05 0.00	49.90 -0.35 0.00	53.01 -0.27 0.00	51.73 -0.68 0.00	52.35 -0.91 0.00	54.67 -1.46 0.00	57.34 -1.71 0.00	54.78 -1.58 0.00	54.63 -1.17 0.00	49.22 -0.65 0.00	46.02 -0.09 0.00	41.13 0.12 0.00	36.21 -0.44 0.00
MILLIKEN___1 23584	52.45 1.33 0.00	50.09 1.13 0.00	48.05 0.99 0.00	45.85 0.85 0.00	43.86 0.69 0.00	45.25 0.84 0.00	47.20 0.83 0.00	47.68 1.92 0.00	49.36 1.85 -0.06	51.32 1.74 0.00	49.64 1.77 0.00	50.67 1.81 0.00	52.31 2.06 0.00	55.57 2.29 0.00	54.77 2.36 0.00	55.76 2.50 0.00	57.75 1.63 0.00	61.06 2.01 0.00	58.33 1.97 0.00	57.75 1.95 0.00	51.66 1.80 0.00	47.50 1.38 0.00	41.95 0.94 0.00	37.75 1.10 0.00
MILLIKEN___2 23585	52.45 1.33 0.00	50.09 1.13 0.00	48.05 0.99 0.00	45.85 0.85 0.00	43.86 0.69 0.00	45.25 0.84 0.00	47.20 0.83 0.00	47.68 1.92 0.00	49.36 1.85 -0.06	51.32 1.74 0.00	49.64 1.77 0.00	50.67 1.81 0.00	52.31 2.06 0.00	55.57 2.29 0.00	54.77 2.36 0.00	55.76 2.50 0.00	57.75 1.63 0.00	61.06 2.01 0.00	58.33 1.97 0.00	57.75 1.95 0.00	51.66 1.80 0.00	47.50 1.38 0.00	41.95 0.94 0.00	37.75 1.10 0.00
MILLIKEN___DIESEL 23629	52.45 1.33 0.00	50.09 1.13 0.00	48.05 0.99 0.00	45.85 0.85 0.00	43.86 0.69 0.00	45.25 0.84 0.00	47.20 0.83 0.00	47.68 1.92 0.00	49.36 1.85 -0.06	51.32 1.74 0.00	49.64 1.77 0.00	50.67 1.81 0.00	52.31 2.06 0.00	55.57 2.29 0.00	54.77 2.36 0.00	55.76 2.50 0.00	57.75 1.63 0.00	61.06 2.01 0.00	58.33 1.97 0.00	57.75 1.95 0.00	51.66 1.80 0.00	47.50 1.38 0.00	41.95 0.94 0.00	37.75 1.10 0.00
MILLSEAT___LFGE 323607	52.20 1.08 0.00	49.60 0.63 0.00	47.10 0.05 0.00	44.81 -0.18 0.00	42.66 -0.52 0.00	44.18 -0.22 0.00	45.99 -0.37 0.00	45.48 -0.27 0.00	47.46 0.00 0.00	49.48 -0.10 0.00	48.77 0.91 0.00	49.65 0.78 0.00	52.66 2.41 0.00	55.51 2.24 0.00	54.03 1.63 0.00	54.37 1.12 0.00	57.36 1.23 0.00	60.76 1.71 0.00	57.77 1.41 0.00	57.02 1.23 0.00	51.51 1.64 0.00	46.67 0.56 0.00	41.33 0.33 0.00	37.52 0.88 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	54.55 3.43 0.00	52.15 3.18 0.00	49.97 2.92 0.00	47.78 2.79 0.00	45.89 2.72 0.00	47.20 2.80 0.00	49.47 3.11 0.00	50.01 4.26 0.00	51.68 4.22 0.00	53.50 3.92 0.00	51.36 3.49 0.00	52.48 3.62 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.86 4.45 0.00	57.99 4.74 0.00	60.50 4.38 0.00	63.78 4.72 0.00	60.30 3.95 0.00	59.48 3.68 0.00	53.76 3.89 0.00	49.57 3.46 0.00	44.00 2.99 0.00	39.72 3.08 0.00
MILLWOOD_13_KV_LOAD 356217	54.70 3.58 0.00	52.29 3.33 0.00	50.12 3.06 0.00	47.92 2.92 0.00	46.02 2.85 0.00	47.33 2.93 0.00	49.56 3.20 0.00	50.10 4.35 0.00	51.82 4.37 0.00	53.65 4.07 0.00	51.51 3.64 0.00	52.63 3.76 0.00	54.17 3.92 0.00	57.38 4.10 0.00	57.02 4.61 0.00	58.15 4.90 0.00	60.67 4.55 0.00	63.95 4.90 0.00	60.47 4.11 0.00	59.65 3.85 0.00	53.96 4.09 0.00	49.67 3.55 0.00	44.08 3.08 0.00	39.80 3.15 0.00
MODEL_CITY_ENERGY 24167	50.71 -0.41 0.00	48.23 -0.73 0.00	45.79 -1.27 0.00	43.64 -1.35 0.00	41.49 -1.68 0.00	42.98 -1.42 0.00	44.74 -1.62 0.00	43.79 -1.97 0.00	45.70 -1.76 0.00	47.85 -1.74 0.00	47.15 -0.72 0.00	47.94 -0.93 0.00	51.00 0.75 0.00	53.86 0.59 0.00	52.30 -0.10 0.00	52.62 -0.64 0.00	55.46 -0.67 0.00	58.82 -0.24 0.00	55.80 -0.56 0.00	55.13 -0.67 0.00	49.77 -0.10 0.00	45.14 -0.97 0.00	40.11 -0.90 0.00	36.46 -0.18 0.00
MODERN_LFGE___ 323580	50.71 -0.41 0.00	48.23 -0.73 0.00	45.79 -1.27 0.00	43.64 -1.35 0.00	41.49 -1.68 0.00	42.98 -1.42 0.00	44.74 -1.62 0.00	43.79 -1.97 0.00	45.70 -1.76 0.00	47.85 -1.74 0.00	47.15 -0.72 0.00	47.94 -0.93 0.00	51.00 0.75 0.00	53.86 0.59 0.00	52.30 -0.10 0.00	52.62 -0.64 0.00	55.46 -0.67 0.00	58.82 -0.24 0.00	55.80 -0.56 0.00	55.13 -0.67 0.00	49.77 -0.10 0.00	45.14 -0.97 0.00	40.11 -0.90 0.00	36.46 -0.18 0.00
MOHAWK_PAPER___DRP 24187	52.86 1.74 0.00	50.63 1.66 0.00	48.61 1.55 0.00	46.39 1.39 0.00	44.56 1.38 0.00	45.87 1.47 0.00	47.89 1.53 0.00	47.45 1.69 0.00	49.02 1.57 0.00	50.87 1.29 0.00	49.02 1.15 0.00	50.04 1.17 0.00	51.36 1.11 0.00	54.39 1.12 0.00	53.88 1.47 0.00	54.90 1.65 0.00	57.53 1.40 0.00	60.70 1.65 0.00	57.71 1.35 0.00	57.03 1.23 0.00	51.27 1.40 0.00	47.41 1.29 0.00	42.07 1.07 0.00	37.82 1.17 0.00
MOHICAN___35_KV_115KV_LD 80490	54.09 2.96 0.00	51.71 2.74 0.00	49.55 2.49 0.00	47.11 2.11 0.00	45.33 2.16 0.00	46.67 2.26 0.00	48.63 2.27 0.00	48.55 2.79 0.00	50.26 2.80 0.00	52.06 2.48 0.00	49.73 1.87 0.00	50.87 2.00 0.00	52.01 1.76 0.00	54.93 1.65 0.00	54.50 2.10 0.00	55.60 2.34 0.00	58.32 2.19 0.00	61.65 2.60 0.00	59.12 2.76 0.00	58.53 2.73 0.00	52.66 2.79 0.00	48.56 2.44 0.00	43.06 2.05 0.00	38.70 2.05 0.00
MONGAUP___HYD 23641	54.44 3.32 0.00	52.05 3.09 0.00	49.88 2.82 0.00	47.60 2.61 0.00	45.63 2.46 0.00	47.02 2.62 0.00	49.14 2.78 0.00	49.64 3.89 0.00	51.16 3.70 0.00	52.86 3.27 0.00	50.79 2.92 0.00	52.00 3.13 0.00	53.37 3.12 0.00	56.69 3.41 0.00	56.29 3.88 0.00	57.51 4.26 0.00	60.11 3.99 0.00	63.48 4.43 0.00	60.36 4.00 0.00	59.59 3.80 0.00	53.61 3.74 0.00	49.34 3.23 0.00	43.71 2.71 0.00	39.51 2.86 0.00
MONTAUK___DIESEL 23721	61.09 7.51 -2.45	56.66 7.69 -0.01	53.83 6.78 0.00	51.16 6.16 0.00	49.42 6.22 -0.02	50.40 5.99 0.00	52.58 6.21 -0.01	53.32 7.55 -0.01	54.97 7.50 -0.01	56.24 6.64 -0.01	52.18 4.50 0.18	53.41 4.84 0.30	55.63 5.63 0.24	59.03 6.18 0.43	59.65 7.23 -0.01	65.97 7.46 -5.26	63.38 7.24 -0.01	66.91 7.85 0.00	62.02 6.20 0.53	60.93 5.64 0.50	55.61 5.83 0.09	50.86 4.75 0.00	45.52 4.51 0.00	44.52 5.31 -2.56
MOONROAD_115KV_HARTFLD_TB1-2 355988	51.94 0.82 0.00	49.55 0.59 0.00	47.01 -0.05 0.00	44.77 -0.22 0.00	42.66 -0.52 0.00	44.32 -0.09 0.00	46.22 -0.14 0.00	45.85 0.09 0.00	48.17 0.71 0.00	50.43 0.84 0.00	49.26 1.39 0.00	50.28 1.42 0.00	52.91 2.66 0.00	56.69 3.41 0.00	55.29 2.88 0.00	55.81 2.56 0.00	58.43 2.30 0.00	61.65 2.60 0.00	58.89 2.54 0.00	58.25 2.46 0.00	51.71 1.85 0.00	47.27 1.15 0.00	41.38 0.37 0.00	37.82 1.17 0.00



MORRIS_RIDGE___SOLAR 323848	51.84 0.72 0.00	49.35 0.39 0.00	47.06 0.00 0.00	44.81 -0.18 0.00	42.74 -0.43 0.00	44.27 -0.13 0.00	46.09 -0.28 0.00	45.76 0.00 0.00	47.51 0.05 0.00	49.58 0.00 0.00	48.35 0.48 0.00	49.11 0.25 0.00	51.66 1.41 0.00	54.66 1.38 0.00	53.46 1.05 0.00	54.16 0.90 0.00	56.57 0.45 0.00	60.05 1.00 0.00	57.21 0.85 0.00	56.86 1.06 0.00	51.32 1.45 0.00	46.85 0.74 0.00	41.38 0.37 0.00	37.45 0.81 0.00
MORTIMER_115KV_TB3 55949	51.43 0.31 0.00	49.11 0.15 0.00	46.82 -0.24 0.00	44.59 -0.40 0.00	42.53 -0.65 0.00	44.00 -0.40 0.00	45.81 -0.56 0.00	45.21 -0.55 0.00	47.13 -0.33 0.00	49.29 -0.30 0.00	48.20 0.34 0.00	49.11 0.24 0.00	51.15 0.90 0.00	54.34 1.07 0.00	53.30 0.89 0.00	53.84 0.59 0.00	56.86 0.73 0.00	59.94 0.89 0.00	57.20 0.85 0.00	56.47 0.67 0.00	50.22 0.35 0.00	46.07 -0.05 0.00	40.84 -0.16 0.00	37.05 0.40 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	55.11 3.99 0.00	52.64 3.67 0.00	50.45 3.39 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.93 3.57 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.10 4.51 0.00	51.89 4.02 0.00	53.02 4.15 0.00	54.52 4.27 0.00	57.70 4.42 0.00	57.39 4.98 0.00	58.52 5.27 0.00	61.07 4.94 0.00	64.25 5.20 0.00	60.70 4.34 0.00	59.87 4.07 0.00	54.21 4.34 0.00	50.03 3.92 0.00	44.41 3.40 0.00	40.13 3.48 0.00
MUNSVILLE_WIND_PWR 323609	55.52 4.40 0.00	53.03 4.06 0.00	50.77 3.72 0.00	48.41 3.42 0.00	46.24 3.07 0.00	47.69 3.29 0.00	49.65 3.29 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.20 4.61 0.00	52.22 4.36 0.00	53.61 4.74 0.00	55.23 4.98 0.00	58.50 5.22 0.00	57.65 5.24 0.00	59.06 5.81 0.00	60.78 4.66 0.00	64.72 5.67 0.00	61.65 5.30 0.00	61.10 5.30 0.00	54.86 4.99 0.00	49.99 3.87 0.00	43.88 2.87 0.00	39.36 2.71 0.00
N SALMON___HYD 24042	50.66 -0.46 0.00	48.62 -0.34 0.00	46.68 -0.38 0.00	44.81 -0.18 0.00	43.09 -0.09 0.00	44.18 -0.22 0.00	46.18 -0.18 0.00	45.80 0.05 0.00	47.70 0.24 0.00	49.88 0.30 0.00	48.21 0.34 0.00	49.01 0.15 0.00	50.25 0.00 0.00	53.49 0.21 0.00	52.25 -0.16 0.00	52.93 -0.32 0.00	55.74 -0.39 0.00	58.46 -0.59 0.00	55.74 -0.62 0.00	55.74 -0.06 0.00	49.72 -0.15 0.00	46.58 0.46 0.00	41.46 0.45 0.00	36.57 -0.07 0.00
N.AKRON__115KV_KNAPP 355671	51.89 0.77 0.00	49.50 0.54 0.00	47.01 -0.05 0.00	44.72 -0.27 0.00	42.57 -0.60 0.00	44.14 -0.27 0.00	45.90 -0.46 0.00	45.35 -0.41 0.00	47.32 -0.14 0.00	49.53 -0.05 0.00	48.78 0.91 0.00	49.60 0.73 0.00	52.06 1.81 0.00	55.51 2.24 0.00	54.19 1.78 0.00	54.37 1.12 0.00	57.31 1.18 0.00	60.47 1.42 0.00	57.88 1.52 0.00	57.08 1.28 0.00	50.67 0.80 0.00	46.25 0.14 0.00	41.05 0.04 0.00	37.56 0.92 0.00
N.E_GEN_SANDY PD 24062	53.32 2.20 0.00	51.07 2.10 0.00	49.03 1.98 0.00	46.88 1.89 0.00	45.03 1.86 0.00	46.27 1.86 0.00	48.40 2.04 0.00	49.28 3.52 0.00	50.88 3.42 0.00	52.71 3.13 0.00	50.55 2.68 0.00	51.24 2.78 0.41	53.27 2.61 -0.41	56.15 2.87 0.00	55.81 3.40 0.00	56.92 3.67 0.00	59.49 3.37 0.00	62.77 3.72 0.00	59.80 3.44 0.00	58.81 3.01 0.00	52.91 3.04 0.00	48.93 2.81 0.00	45.26 2.34 -1.92	37.33 2.60 1.92
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	54.39 3.27 0.00	52.00 3.04 0.00	49.83 2.78 0.00	47.65 2.65 0.00	45.76 2.59 0.00	47.07 2.66 0.00	49.28 2.92 0.00	49.88 4.12 0.00	51.54 4.08 0.00	53.40 3.82 0.00	51.31 3.45 0.00	52.43 3.57 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.86 4.45 0.00	57.99 4.74 0.00	60.56 4.43 0.00	63.83 4.78 0.00	60.30 3.95 0.00	59.48 3.68 0.00	53.76 3.89 0.00	49.57 3.46 0.00	43.88 2.87 0.00	39.65 3.00 0.00
N.QUEENS_27_KV_LOAD 356247	55.78 4.65 -0.01	53.23 4.26 -0.01	50.97 3.91 -0.01	48.55 3.55 0.00	46.67 3.50 0.00	47.65 3.24 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.25 4.79 0.00	54.10 4.51 0.00	51.89 4.02 0.00	53.02 4.15 0.00	54.47 4.22 0.00	57.64 4.37 0.00	57.39 4.98 0.00	58.52 5.27 0.00	60.90 4.77 0.00	63.95 4.90 0.00	60.42 4.06 0.00	59.59 3.79 0.00	54.11 4.24 0.00	50.08 3.97 0.00	44.45 3.44 0.00	40.54 3.88 -0.01
N.TROY___115KV_TB1 355778	53.22 2.10 0.00	50.92 1.96 0.00	48.89 1.84 0.00	46.66 1.66 0.00	44.81 1.64 0.00	46.09 1.69 0.00	48.17 1.81 0.00	48.09 2.33 0.00	49.69 2.23 0.00	51.57 1.98 0.00	49.59 1.72 0.00	50.63 1.76 0.00	51.96 1.71 0.00	54.98 1.70 0.00	54.50 2.10 0.00	55.54 2.29 0.00	58.26 2.13 0.00	61.47 2.42 0.00	58.56 2.20 0.00	57.86 2.06 0.00	52.01 2.14 0.00	48.05 1.94 0.00	42.61 1.60 0.00	38.33 1.69 0.00
NARROWS_GT1_1 24228	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT1_2 24229	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT1_3 24230	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT1_4 24231	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT1_5 24232	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01



NARROWS_GT1_6 24233	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT1_7 24234	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT1_8 24235	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.06 5.02 0.01	60.63 4.28 0.01	59.69 3.90 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT2_1 24236	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT2_2 24237	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT2_3 24238	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT2_4 24239	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT2_5 24240	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT2_6 24241	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT2_7 24242	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NARROWS_GT2_8 24243	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.25 4.79 0.00	54.15 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.71 3.90 0.00	53.91 4.04 0.00	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	53.27 2.15 0.00	50.97 2.01 0.00	48.85 1.79 0.00	46.52 1.53 0.00	44.64 1.47 0.00	46.05 1.64 0.00	48.03 1.67 0.00	47.45 1.69 0.00	48.83 1.38 0.00	50.48 0.89 0.00	48.68 0.81 0.00	49.60 0.73 0.00	50.80 0.55 0.00	53.81 0.53 0.00	53.30 0.89 0.00	54.42 1.17 0.00	57.08 0.95 0.00	60.41 1.36 0.00	57.60 1.24 0.00	57.08 1.28 0.00	51.22 1.35 0.00	47.45 1.34 0.00	42.16 1.15 0.00	37.97 1.32 0.00
NCHELSEA_115KV_TR2 355582	54.80 3.68 0.00	52.39 3.43 0.00	50.16 3.11 0.00	47.92 2.92 0.00	45.98 2.81 0.00	47.33 2.93 0.00	49.56 3.20 0.00	50.01 4.26 0.00	51.68 4.22 0.00	53.45 3.87 0.00	51.51 3.64 0.00	52.58 3.71 0.00	54.07 3.82 0.00	57.27 4.00 0.00	56.81 4.40 0.00	57.99 4.74 0.00	60.56 4.43 0.00	63.83 4.78 0.00	60.42 4.06 0.00	59.65 3.85 0.00	53.86 3.99 0.00	49.57 3.46 0.00	43.96 2.95 0.00	39.69 3.04 0.00
NEG CAPITAL____MECHNVIL 23645	54.03 2.91 0.00	51.66 2.69 0.00	49.60 2.54 0.00	47.24 2.25 0.00	45.37 2.20 0.00	46.71 2.31 0.00	48.77 2.41 0.00	48.64 2.88 0.00	50.35 2.90 0.00	52.21 2.63 0.00	50.17 2.30 0.00	51.26 2.39 0.00	52.46 2.21 0.00	55.57 2.29 0.00	55.13 2.72 0.00	56.23 2.98 0.00	58.99 2.86 0.00	62.24 3.19 0.00	59.46 3.10 0.00	58.75 2.96 0.00	52.71 2.84 0.00	48.60 2.49 0.00	43.10 2.09 0.00	38.81 2.16 0.00
NEG CENTRAL_HIGH_ACRES 23767	50.66 -0.46 0.00	48.28 -0.69 0.00	46.07 -0.99 0.00	43.91 -1.08 0.00	41.92 -1.25 0.00	43.34 -1.07 0.00	45.20 -1.16 0.00	44.71 -1.05 0.00	46.56 -0.90 0.00	48.69 -0.89 0.00	47.63 -0.24 0.00	48.53 -0.34 0.00	50.60 0.35 0.00	53.38 0.11 0.00	52.30 -0.10 0.00	52.99 -0.26 0.00	56.01 -0.11 0.00	59.11 0.06 0.00	56.25 -0.11 0.00	55.58 -0.22 0.00	49.92 0.05 0.00	45.61 -0.51 0.00	40.39 -0.61 0.00	36.39 -0.25 0.00



NEG CENTRAL___DRP 24199	51.73 0.61 0.00	49.50 0.54 0.00	47.39 0.33 0.00	45.17 0.18 0.00	43.22 0.04 0.00	44.67 0.27 0.00	46.59 0.23 0.00	46.26 0.50 0.00	48.02 0.47 -0.09	50.08 0.50 0.00	48.59 0.72 0.00	49.55 0.68 0.00	51.05 0.80 0.00	54.24 0.96 0.00	53.40 1.00 0.00	54.26 1.01 0.00	57.19 1.07 0.00	60.41 1.36 0.00	57.71 1.35 0.00	57.08 1.28 0.00	51.02 1.15 0.00	46.94 0.83 0.00	41.50 0.49 0.00	37.42 0.77 0.00
NEG CENTRAL___INDECK 23768	51.99 0.87 0.00	49.40 0.44 0.00	47.06 0.00 0.00	44.77 -0.22 0.00	42.70 -0.47 0.00	44.27 -0.13 0.00	45.99 -0.37 0.00	45.53 -0.23 0.00	46.98 -0.47 0.00	48.94 -0.65 0.00	47.72 -0.14 0.00	48.43 -0.44 0.00	50.86 0.61 0.00	53.70 0.42 0.00	52.51 0.11 0.00	53.57 0.32 0.00	56.52 0.40 0.00	59.88 0.83 0.00	57.26 0.90 0.00	57.08 1.28 0.00	51.61 1.74 0.00	48.51 2.40 0.00	42.77 1.76 0.00	38.62 1.98 0.00
NEG CENTRAL___SENECA 23627	51.99 0.87 0.00	49.80 0.83 0.00	47.62 0.56 0.00	45.40 0.40 0.00	43.39 0.22 0.00	44.89 0.49 0.00	46.78 0.42 0.00	46.67 0.92 0.00	48.45 0.95 -0.04	50.53 0.94 0.00	49.11 1.24 0.00	50.04 1.17 0.00	51.61 1.36 0.00	54.87 1.60 0.00	53.98 1.57 0.00	54.80 1.54 0.00	57.53 1.40 0.00	60.82 1.77 0.00	58.11 1.75 0.00	57.47 1.67 0.00	51.31 1.45 0.00	47.27 1.15 0.00	41.75 0.74 0.00	37.71 1.06 0.00
NEG CENTRAL___STATE_STREET 24147	51.68 0.56 0.00	49.36 0.39 0.00	47.34 0.28 0.00	45.17 0.18 0.00	43.26 0.09 0.00	44.63 0.22 0.00	46.55 0.19 0.00	46.17 0.41 0.00	47.91 0.33 -0.12	49.98 0.40 0.00	48.44 0.57 0.00	49.40 0.54 0.00	50.90 0.65 0.00	54.02 0.75 0.00	53.19 0.79 0.00	54.10 0.85 0.00	57.19 1.07 0.00	60.35 1.30 0.00	57.60 1.24 0.00	56.97 1.17 0.00	50.97 1.10 0.00	46.85 0.74 0.00	41.46 0.45 0.00	37.27 0.62 0.00
NEG MILLWOOD___DRP 24198	55.01 3.89 0.00	52.64 3.67 0.00	50.40 3.34 0.00	48.14 3.15 0.00	46.20 3.02 0.00	47.56 3.15 0.00	49.79 3.43 0.00	50.29 4.53 0.00	52.01 4.56 0.00	53.80 4.21 0.00	51.84 3.97 0.00	52.87 4.01 0.00	54.37 4.12 0.00	57.64 4.37 0.00	57.18 4.77 0.00	58.31 5.06 0.00	60.84 4.71 0.00	64.19 5.14 0.00	60.75 4.40 0.00	59.98 4.18 0.00	54.16 4.29 0.00	49.76 3.64 0.00	44.17 3.16 0.00	39.83 3.19 0.00
NEG NORTH_FLCN_SEA 23793	50.15 -0.97 0.00	47.94 -1.03 0.00	46.45 -0.61 0.00	44.54 -0.45 0.00	42.83 -0.35 0.00	43.92 -0.49 0.00	45.90 -0.46 0.00	45.53 -0.23 0.00	47.41 -0.05 0.00	49.29 -0.30 0.00	47.96 0.10 0.00	48.96 0.10 0.00	49.70 -0.55 0.00	52.85 -0.43 0.00	51.57 -0.84 0.00	52.35 -0.91 0.00	55.28 -0.84 0.00	57.99 -1.06 0.00	55.34 -1.01 0.00	55.18 -0.61 0.00	49.37 -0.50 0.00	46.62 0.51 0.00	41.50 0.49 0.00	36.68 0.04 0.00
NEG NORTH_KES_CHATEGAY 23792	50.25 -0.87 0.00	47.99 -0.98 0.00	46.26 -0.80 0.00	44.32 -0.67 0.00	42.61 -0.56 0.00	43.69 -0.71 0.00	45.67 -0.70 0.00	45.25 -0.50 0.00	47.08 -0.38 0.00	49.24 -0.35 0.00	47.63 -0.24 0.00	48.62 -0.24 0.00	49.65 -0.60 0.00	52.69 -0.59 0.00	51.52 -0.89 0.00	52.29 -0.96 0.00	55.23 -0.90 0.00	57.93 -1.12 0.00	55.34 -1.01 0.00	55.18 -0.61 0.00	49.22 -0.65 0.00	46.07 -0.05 0.00	41.01 0.00 0.00	36.21 -0.44 0.00
NEG NORTH___ALICE_FALLS 23915	50.51 -0.61 0.00	48.28 -0.69 0.00	46.68 -0.38 0.00	44.77 -0.22 0.00	43.00 -0.17 0.00	44.14 -0.27 0.00	46.13 -0.23 0.00	45.76 0.00 0.00	47.60 0.14 0.00	49.63 0.05 0.00	48.15 0.29 0.00	49.16 0.29 0.00	50.05 -0.20 0.00	53.22 -0.05 0.00	51.94 -0.47 0.00	52.72 -0.53 0.00	55.68 -0.45 0.00	58.46 -0.59 0.00	55.74 -0.62 0.00	55.63 -0.17 0.00	49.67 -0.20 0.00	46.76 0.65 0.00	41.58 0.57 0.00	36.76 0.11 0.00
NEG NORTH___LWR_SARANAC 23913	50.51 -0.61 0.00	48.28 -0.69 0.00	46.68 -0.38 0.00	44.77 -0.22 0.00	43.00 -0.17 0.00	44.14 -0.27 0.00	46.13 -0.23 0.00	45.76 0.00 0.00	47.60 0.14 0.00	49.63 0.05 0.00	48.15 0.29 0.00	49.16 0.29 0.00	50.05 -0.20 0.00	53.22 -0.05 0.00	51.94 -0.47 0.00	52.72 -0.53 0.00	55.68 -0.45 0.00	58.46 -0.59 0.00	55.74 -0.62 0.00	55.63 -0.17 0.00	49.67 -0.20 0.00	46.76 0.65 0.00	41.58 0.57 0.00	36.76 0.11 0.00
NEG NORTH___PLATTSBURG 23628	50.51 -0.61 0.00	48.62 -0.34 0.00	46.68 -0.38 0.00	44.77 -0.22 0.00	43.00 -0.17 0.00	44.14 -0.26 0.00	46.13 -0.23 0.00	45.76 0.00 0.00	47.60 0.14 0.00	49.63 0.05 0.00	48.16 0.29 0.00	48.77 -0.10 0.00	50.05 -0.20 0.00	53.22 -0.05 0.00	52.04 -0.36 0.00	52.72 -0.53 0.00	55.68 -0.45 0.00	58.46 -0.59 0.00	55.74 -0.62 0.00	55.63 -0.17 0.00	49.67 -0.20 0.00	46.76 0.65 0.00	41.58 0.57 0.00	36.76 0.11 0.00
NEG WEST_LEA_LOCKPORT 23791	50.92 -0.20 0.00	48.62 -0.34 0.00	46.21 -0.85 0.00	44.00 -0.99 0.00	41.84 -1.34 0.00	43.38 -1.02 0.00	45.11 -1.25 0.00	44.20 -1.56 0.00	46.13 -1.33 0.00	48.29 -1.29 0.00	47.44 -0.43 0.00	48.23 -0.64 0.00	50.65 0.40 0.00	54.18 0.91 0.00	52.83 0.42 0.00	53.09 -0.16 0.00	55.90 -0.22 0.00	58.99 -0.06 0.00	56.36 0.00 0.00	55.63 -0.17 0.00	49.37 -0.50 0.00	45.10 -1.01 0.00	40.11 -0.90 0.00	36.79 0.15 0.00
NEG WEST___LANCASTR 23811	50.71 -0.41 0.00	48.43 -0.54 0.00	46.07 -0.99 0.00	43.87 -1.12 0.00	41.79 -1.38 0.00	43.29 -1.11 0.00	45.11 -1.25 0.00	44.43 -1.33 0.00	46.37 -1.09 0.00	48.54 -1.04 0.00	47.53 -0.34 0.00	48.48 -0.39 0.00	50.75 0.50 0.00	54.39 1.12 0.00	53.19 0.79 0.00	53.68 0.43 0.00	56.18 0.06 0.00	59.29 0.24 0.00	56.58 0.23 0.00	55.85 0.06 0.00	49.62 -0.25 0.00	45.33 -0.78 0.00	40.02 -0.98 0.00	36.72 0.07 0.00
NEG_PENN_ALLEGHNY 23528	52.04 0.92 0.00	49.70 0.74 0.00	47.67 0.61 0.00	45.49 0.50 0.00	43.56 0.39 0.00	44.94 0.53 0.00	46.87 0.51 0.00	47.50 1.74 0.00	49.22 1.76 0.00	51.27 1.69 0.00	49.69 1.82 0.00	50.82 1.96 0.00	52.71 2.46 0.00	55.89 2.61 0.00	55.08 2.67 0.00	56.07 2.82 0.00	57.70 1.57 0.00	60.94 1.89 0.00	57.99 1.64 0.00	57.36 1.56 0.00	51.46 1.60 0.00	47.22 1.10 0.00	41.70 0.70 0.00	37.52 0.88 0.00
NEG___GEN_MONROE 24207	51.94 0.82 0.00	49.65 0.69 0.00	47.25 0.19 0.00	44.90 -0.09 0.00	42.83 -0.35 0.00	44.32 -0.09 0.00	46.13 -0.23 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.43 -0.15 0.00	48.39 0.53 0.00	49.26 0.39 0.00	51.36 1.11 0.00	54.61 1.33 0.00	53.46 1.05 0.00	53.94 0.69 0.00	56.91 0.79 0.00	60.06 1.00 0.00	57.54 1.18 0.00	56.75 0.95 0.00	50.52 0.65 0.00	46.35 0.23 0.00	41.09 0.08 0.00	37.38 0.73 0.00
NEPA___ENERGY 23901	51.63 0.51 0.00	49.31 0.34 0.00	46.92 -0.14 0.00	44.68 -0.31 0.00	42.57 -0.60 0.00	44.14 -0.27 0.00	45.99 -0.37 0.00	45.57 -0.18 0.00	47.55 0.09 0.00	49.78 0.20 0.00	48.68 0.81 0.00	49.70 0.83 0.00	52.16 1.91 0.00	55.83 2.56 0.00	54.66 2.25 0.00	55.17 1.92 0.00	57.75 1.63 0.00	60.94 1.89 0.00	58.16 1.80 0.00	57.47 1.67 0.00	51.07 1.20 0.00	46.58 0.46 0.00	41.05 0.04 0.00	37.42 0.77 0.00



NEVERSINK___HYD 23608	54.03 2.91 0.00	51.71 2.74 0.00	49.55 2.49 0.00	47.33 2.34 0.00	45.42 2.24 0.00	46.76 2.35 0.00	48.86 2.50 0.00	49.46 3.70 0.00	51.11 3.65 0.00	52.86 3.27 0.00	50.89 3.02 0.00	52.09 3.22 0.00	53.42 3.17 0.00	56.74 3.46 0.00	56.29 3.88 0.00	57.51 4.26 0.00	60.00 3.87 0.00	63.36 4.31 0.00	60.14 3.78 0.00	59.26 3.46 0.00	53.31 3.44 0.00	49.11 3.00 0.00	43.51 2.50 0.00	39.29 2.64 0.00
NEWKRMKL_115KV_TB1 55635	52.30 1.18 0.00	50.09 1.13 0.00	48.09 1.04 0.00	45.94 0.94 0.00	44.12 0.95 0.00	45.43 1.02 0.00	47.43 1.07 0.00	47.04 1.28 0.00	48.55 1.09 0.00	50.38 0.79 0.00	48.54 0.67 0.00	49.55 0.68 0.00	50.85 0.60 0.00	53.81 0.53 0.00	53.35 0.94 0.00	54.37 1.12 0.00	56.97 0.84 0.00	60.06 1.00 0.00	57.09 0.73 0.00	56.41 0.61 0.00	50.72 0.85 0.00	46.90 0.78 0.00	41.71 0.70 0.00	37.53 0.88 0.00
NEWTON___FALLS_HYD 23847	50.86 -0.26 0.00	48.82 -0.15 0.00	46.96 -0.09 0.00	45.17 0.18 0.00	43.43 0.26 0.00	44.54 0.13 0.00	46.50 0.14 0.00	46.12 0.37 0.00	47.93 0.43 -0.05	49.93 0.35 0.00	48.06 0.19 0.00	49.16 0.29 0.00	50.30 0.05 0.00	53.33 0.05 0.00	52.30 -0.10 0.00	53.09 -0.16 0.00	55.68 -0.45 0.00	58.40 -0.65 0.00	55.74 -0.62 0.00	55.46 -0.33 0.00	49.92 0.05 0.00	46.30 0.18 0.00	41.30 0.29 0.00	36.57 -0.07 0.00
NGRID_A1_DSASP 323792	49.95 -1.17 0.00	47.50 -1.47 0.00	45.27 -1.79 0.00	43.19 -1.80 0.00	41.06 -2.11 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	45.04 -2.42 0.00	47.15 -2.43 0.00	46.53 -1.34 0.00	47.26 -1.61 0.00	50.25 0.00 0.00	53.06 -0.21 0.00	51.57 -0.84 0.00	51.82 -1.44 0.00	54.61 -1.51 0.00	57.93 -1.12 0.00	54.89 -1.47 0.00	54.24 -1.56 0.00	48.97 -0.90 0.00	44.46 -1.66 0.00	39.53 -1.47 0.00	35.95 -0.70 0.00
NGRID_A2_DSASP 323793	49.95 -1.17 0.00	47.50 -1.47 0.00	45.27 -1.79 0.00	43.19 -1.80 0.00	41.06 -2.11 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	45.04 -2.42 0.00	47.15 -2.43 0.00	46.53 -1.34 0.00	47.26 -1.61 0.00	50.25 0.00 0.00	53.06 -0.21 0.00	51.57 -0.84 0.00	51.82 -1.44 0.00	54.61 -1.51 0.00	57.93 -1.12 0.00	54.89 -1.47 0.00	54.24 -1.56 0.00	48.97 -0.90 0.00	44.46 -1.66 0.00	39.53 -1.47 0.00	35.95 -0.70 0.00
NGRID_A4_DSASP 323807	49.95 -1.17 0.00	47.50 -1.47 0.00	45.27 -1.79 0.00	43.19 -1.80 0.00	41.06 -2.11 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	45.04 -2.42 0.00	47.15 -2.43 0.00	46.53 -1.34 0.00	47.26 -1.61 0.00	50.25 0.00 0.00	53.06 -0.21 0.00	51.57 -0.84 0.00	51.82 -1.44 0.00	54.61 -1.51 0.00	57.93 -1.12 0.00	54.89 -1.47 0.00	54.24 -1.56 0.00	48.97 -0.90 0.00	44.46 -1.66 0.00	39.53 -1.47 0.00	35.95 -0.70 0.00
NIAGARA_115E_LBMP 323715	50.45 -0.67 0.00	48.03 -0.93 0.00	45.55 -1.51 0.00	43.42 -1.58 0.00	41.28 -1.90 0.00	42.76 -1.64 0.00	44.51 -1.86 0.00	43.56 -2.20 0.00	45.47 -1.99 0.00	47.55 -2.04 0.00	46.91 -0.96 0.00	47.69 -1.17 0.00	50.70 0.45 0.00	53.54 0.27 0.00	52.04 -0.36 0.00	52.35 -0.91 0.00	55.17 -0.95 0.00	58.46 -0.59 0.00	55.45 -0.90 0.00	54.80 -1.00 0.00	49.47 -0.40 0.00	44.87 -1.24 0.00	39.90 -1.11 0.00	36.28 -0.37 0.00
NIAGARA_115W_LBMP 323714	49.79 -1.33 0.00	47.40 -1.57 0.00	45.13 -1.93 0.00	43.06 -1.93 0.00	40.97 -2.20 0.00	42.45 -1.95 0.00	44.00 -2.36 0.00	43.01 -2.74 0.00	44.90 -2.56 0.00	47.00 -2.58 0.00	46.38 -1.48 0.00	47.11 -1.76 0.00	50.10 -0.15 0.00	52.91 -0.37 0.00	51.41 -1.00 0.00	51.66 -1.60 0.00	54.44 -1.68 0.00	57.75 -1.30 0.00	54.72 -1.64 0.00	54.07 -1.73 0.00	48.87 -1.00 0.00	44.32 -1.80 0.00	39.45 -1.56 0.00	35.87 -0.77 0.00
NIAGARA_230_LBMP 323716	50.45 -0.67 0.00	48.03 -0.93 0.00	45.69 -1.37 0.00	43.55 -1.44 0.00	41.45 -1.73 0.00	42.89 -1.51 0.00	44.65 -1.71 0.00	43.70 -2.06 0.00	45.56 -1.90 0.00	47.70 -1.88 0.00	47.05 -0.81 0.00	47.79 -1.08 0.00	50.80 0.55 0.00	53.65 0.38 0.00	52.15 -0.26 0.00	52.46 -0.80 0.00	55.29 -0.84 0.00	58.58 -0.47 0.00	55.57 -0.79 0.00	54.90 -0.89 0.00	49.57 -0.30 0.00	45.01 -1.11 0.00	40.02 -0.98 0.00	36.35 -0.29 0.00
NIAGARA___115KV_198_GIBSON 55903	49.59 -1.53 0.00	47.35 -1.62 0.00	45.13 -1.93 0.00	43.06 -1.93 0.00	40.97 -2.20 0.00	42.45 -1.95 0.00	43.95 -2.41 0.00	43.01 -2.75 0.00	44.90 -2.56 0.00	46.96 -2.63 0.00	46.19 -1.68 0.00	46.96 -1.91 0.00	49.30 -0.95 0.00	52.74 -0.53 0.00	51.41 -1.00 0.00	51.60 -1.65 0.00	54.39 -1.74 0.00	57.40 -1.65 0.00	54.78 -1.58 0.00	54.07 -1.73 0.00	48.02 -1.85 0.00	43.81 -2.31 0.00	39.08 -1.93 0.00	35.88 -0.77 0.00
NIAGARA____ 23760	50.45 -0.67 0.00	48.03 -0.93 0.00	45.69 -1.37 0.00	43.55 -1.44 0.00	41.45 -1.73 0.00	42.89 -1.51 0.00	44.65 -1.71 0.00	43.70 -2.06 0.00	45.56 -1.90 0.00	47.70 -1.88 0.00	47.05 -0.81 0.00	47.79 -1.08 0.00	50.80 0.55 0.00	53.65 0.38 0.00	52.15 -0.26 0.00	52.46 -0.80 0.00	55.29 -0.84 0.00	58.58 -0.47 0.00	55.57 -0.79 0.00	54.90 -0.89 0.00	49.57 -0.30 0.00	45.01 -1.11 0.00	40.02 -0.98 0.00	36.35 -0.29 0.00
NINE_MILE_1 23575	49.84 -1.28 0.00	47.69 -1.27 0.00	45.74 -1.32 0.00	43.69 -1.31 0.00	41.88 -1.29 0.00	43.16 -1.24 0.00	45.02 -1.35 0.00	44.34 -1.42 0.00	44.98 -1.47 1.01	48.05 -1.54 0.00	46.53 -1.34 0.00	47.45 -1.42 0.00	48.90 -1.35 0.00	51.78 -1.49 0.00	50.94 -1.47 0.00	51.82 -1.44 0.00	54.89 -1.24 0.00	57.81 -1.24 0.00	55.12 -1.24 0.00	54.57 -1.23 0.00	48.82 -1.05 0.00	45.01 -1.11 0.00	39.94 -1.07 0.00	35.80 -0.84 0.00
NINE_MILE_2 23744	49.84 -1.28 0.00	47.69 -1.27 0.00	45.74 -1.32 0.00	43.69 -1.31 0.00	41.88 -1.29 0.00	43.16 -1.24 0.00	45.02 -1.35 0.00	44.34 -1.42 0.00	44.97 -1.47 1.01	48.05 -1.54 0.00	46.53 -1.34 0.00	47.45 -1.42 0.00	48.90 -1.35 0.00	51.78 -1.49 0.00	50.94 -1.47 0.00	51.82 -1.44 0.00	54.89 -1.24 0.00	57.81 -1.24 0.00	55.12 -1.24 0.00	54.57 -1.23 0.00	48.82 -1.05 0.00	45.01 -1.11 0.00	39.94 -1.07 0.00	35.80 -0.84 0.00
NM_CAPITAL___DRP 24208	52.40 1.28 0.00	50.19 1.22 0.00	48.19 1.13 0.00	46.03 1.03 0.00	44.21 1.04 0.00	45.51 1.11 0.00	47.57 1.21 0.00	47.08 1.33 0.00	48.60 1.14 0.00	50.43 0.84 0.00	48.59 0.72 0.00	49.60 0.73 0.00	50.90 0.65 0.00	53.92 0.64 0.00	53.40 1.00 0.00	54.42 1.17 0.00	57.02 0.90 0.00	60.11 1.06 0.00	57.15 0.79 0.00	56.47 0.67 0.00	50.77 0.90 0.00	46.94 0.83 0.00	41.71 0.70 0.00	37.53 0.88 0.00
NM_CENTRAL___DRP 24181	50.97 -0.15 0.00	48.77 -0.20 0.00	46.77 -0.28 0.00	44.63 -0.36 0.00	42.79 -0.39 0.00	44.09 -0.31 0.00	45.99 -0.37 0.00	45.30 -0.46 0.00	47.02 -0.52 -0.08	49.09 -0.50 0.00	47.53 -0.34 0.00	48.52 -0.34 0.00	49.95 -0.30 0.00	53.01 -0.27 0.00	52.20 -0.21 0.00	53.09 -0.16 0.00	56.30 0.17 0.00	59.35 0.30 0.00	56.58 0.23 0.00	55.97 0.17 0.00	50.02 0.15 0.00	46.07 -0.05 0.00	40.80 -0.21 0.00	36.68 0.04 0.00



NM_FRONTIER___DRP 24179	49.59 -1.53 0.00	47.35 -1.62 0.00	45.13 -1.93 0.00	43.06 -1.93 0.00	40.97 -2.20 0.00	42.45 -1.95 0.00	43.95 -2.41 0.00	43.01 -2.75 0.00	44.90 -2.56 0.00	46.96 -2.63 0.00	46.19 -1.68 0.00	46.96 -1.91 0.00	49.30 -0.95 0.00	52.74 -0.53 0.00	51.41 -1.00 0.00	51.60 -1.65 0.00	54.39 -1.74 0.00	57.40 -1.65 0.00	54.78 -1.58 0.00	54.07 -1.73 0.00	48.02 -1.85 0.00	43.81 -2.31 0.00	39.08 -1.93 0.00	35.88 -0.77 0.00
NM_ST_REGIS___HYD 24053	50.35 -0.77 0.00	48.23 -0.73 0.00	46.49 -0.56 0.00	44.59 -0.40 0.00	42.96 -0.22 0.00	44.00 -0.40 0.00	45.94 -0.42 0.00	45.57 -0.18 0.00	47.41 -0.05 0.00	49.63 0.05 0.00	47.87 0.00 0.00	48.92 0.05 0.00	50.00 -0.25 0.00	53.17 -0.11 0.00	51.88 -0.52 0.00	52.51 -0.75 0.00	54.95 -1.18 0.00	57.63 -1.42 0.00	55.01 -1.35 0.00	54.96 -0.84 0.00	49.37 -0.50 0.00	46.21 0.09 0.00	41.21 0.21 0.00	36.32 -0.33 0.00
NORTHPORT___1 23551	54.02 3.22 0.32	52.93 3.96 0.00	51.16 4.09 -0.01	49.09 4.09 -0.01	47.42 4.23 -0.02	48.77 4.35 -0.01	50.78 4.41 -0.01	51.35 5.58 -0.01	52.54 5.08 0.00	53.65 4.07 0.00	47.29 2.20 2.78	47.29 2.49 4.07	47.29 2.51 5.47	47.29 2.98 8.97	47.29 3.78 8.89	47.29 4.00 9.96	50.70 3.70 9.13	50.46 4.13 12.72	47.70 3.04 11.70	47.29 2.57 11.08	51.00 3.09 1.96	49.29 3.18 0.00	45.08 4.06 -0.01	43.68 4.47 -2.56
NORTHPORT___2 23552	54.02 3.22 0.32	52.93 3.96 0.00	51.16 4.09 -0.01	49.09 4.09 -0.01	47.42 4.23 -0.02	48.77 4.35 -0.01	50.78 4.41 -0.01	51.35 5.58 -0.01	52.54 5.08 0.00	53.65 4.07 0.00	47.29 2.20 2.78	47.29 2.49 4.07	47.29 2.51 5.47	47.29 2.98 8.97	47.29 3.78 8.89	47.29 4.00 9.96	50.70 3.70 9.13	50.46 4.13 12.72	47.70 3.04 11.70	47.29 2.57 11.08	51.00 3.09 1.96	49.29 3.18 0.00	45.08 4.06 -0.01	43.68 4.47 -2.56
NORTHPORT___3 23553	53.74 3.02 0.40	51.95 2.99 0.00	50.36 3.29 -0.01	48.38 3.38 -0.01	46.56 3.37 -0.01	47.88 3.47 -0.01	49.89 3.52 -0.01	50.43 4.67 -0.01	51.44 3.99 0.00	52.80 3.22 0.01	47.00 1.92 2.79	46.99 2.20 4.08	46.98 2.21 5.48	46.91 2.61 8.98	46.87 3.40 8.95	46.86 3.62 10.01	50.19 3.25 9.19	49.92 3.66 12.79	47.30 2.65 11.71	46.89 2.17 11.08	50.54 2.64 1.97	48.46 2.35 0.01	44.50 3.48 -0.01	43.06 3.85 -2.56
NORTHPORT___4 23650	53.74 3.02 0.40	51.95 2.99 0.00	50.36 3.29 -0.01	48.38 3.38 -0.01	46.56 3.37 -0.01	47.88 3.47 -0.01	49.89 3.52 -0.01	50.43 4.67 -0.01	51.44 3.99 0.00	52.80 3.22 0.01	47.00 1.92 2.79	46.99 2.20 4.08	46.98 2.21 5.48	46.91 2.61 8.98	46.87 3.40 8.95	46.86 3.62 10.01	50.19 3.25 9.19	49.92 3.66 12.79	47.30 2.65 11.71	46.89 2.17 11.08	50.54 2.64 1.97	48.46 2.35 0.01	44.50 3.48 -0.01	43.06 3.85 -2.56
NORTHPORT___IC 23718	54.32 3.53 0.32	52.98 4.02 0.00	51.10 4.05 0.00	49.13 4.14 0.00	47.42 4.23 -0.02	48.76 4.35 0.00	50.77 4.40 0.00	51.39 5.63 0.00	52.68 5.22 0.00	53.65 4.07 0.00	47.38 2.30 2.78	47.29 2.49 4.07	47.64 2.86 5.47	47.29 2.98 8.97	47.50 3.98 8.89	47.50 4.21 9.96	50.81 3.82 9.13	50.46 4.13 12.72	47.70 3.04 11.70	47.46 2.73 11.08	51.25 3.34 1.96	49.76 3.64 0.00	45.27 4.26 0.00	43.68 4.47 -2.56
NORTH___COUNTRY_ESR 323785	50.10 -1.02 0.00	48.08 -0.88 0.00	46.16 -0.90 0.00	44.23 -0.77 0.00	42.53 -0.65 0.00	43.56 -0.85 0.00	45.53 -0.83 0.00	45.16 -0.60 0.00	47.03 -0.43 0.00	49.19 -0.40 0.00	47.58 -0.29 0.00	48.38 -0.49 0.00	49.60 -0.65 0.00	52.69 -0.58 0.00	51.57 -0.84 0.00	52.24 -1.01 0.00	55.12 -1.01 0.00	57.81 -1.24 0.00	55.23 -1.13 0.00	55.02 -0.78 0.00	49.07 -0.80 0.00	45.93 -0.18 0.00	40.89 -0.12 0.00	36.10 -0.55 0.00
NPX_GEN_1385_PROXY 323591	53.56 2.76 0.32	52.39 3.43 0.00	50.64 3.57 -0.01	48.91 3.91 -0.01	47.25 4.06 -0.02	48.59 4.17 -0.01	50.27 3.89 -0.01	49.80 5.40 1.35	50.90 4.89 1.45	53.50 3.92 0.00	47.19 2.10 2.78	46.74 2.35 4.47	45.65 2.31 6.91	46.40 2.77 9.64	46.94 3.61 9.08	46.94 3.78 10.09	50.64 3.65 9.13	50.40 4.07 12.72	47.70 3.04 11.70	47.29 2.57 11.08	50.90 2.99 1.96	48.30 3.00 0.81	43.00 3.94 1.95	38.54 4.32 2.43
NPX_GEN_CSC 323557	57.70 4.14 -2.44	54.02 5.04 -0.01	51.68 4.61 -0.01	49.36 4.36 -0.01	48.42 5.22 -0.02	49.74 5.33 -0.01	51.94 5.56 -0.02	52.55 6.77 -0.02	53.83 6.36 -0.01	55.14 5.55 -0.01	51.52 3.83 0.18	52.32 4.15 0.70	54.74 4.32 -0.16	57.75 4.90 0.42	58.13 5.71 -0.01	64.36 5.86 -5.25	61.80 5.67 -0.01	65.38 6.32 0.00	60.85 5.01 0.53	59.82 4.52 0.50	54.61 4.84 0.09	49.53 3.41 0.00	46.87 3.94 -1.92	42.02 4.73 -0.65
NSINS_S_GLNS_FALLS 23858	54.03 2.91 0.00	51.66 2.69 0.00	49.50 2.45 0.00	47.06 2.07 0.00	45.29 2.12 0.00	46.62 2.22 0.00	48.63 2.27 0.00	48.50 2.75 0.00	50.21 2.75 0.00	52.06 2.48 0.00	49.69 1.82 0.00	50.82 1.95 0.00	51.91 1.66 0.00	54.82 1.55 0.00	54.45 2.04 0.00	55.54 2.29 0.00	58.26 2.13 0.00	61.59 2.54 0.00	59.06 2.71 0.00	58.53 2.73 0.00	52.66 2.79 0.00	48.51 2.40 0.00	43.06 2.05 0.00	38.66 2.02 0.00
NUCOR_STEEL___DRP 24197	51.68 0.56 0.00	49.41 0.44 0.00	47.39 0.33 0.00	45.22 0.22 0.00	43.26 0.09 0.00	44.63 0.22 0.00	46.50 0.14 0.00	46.03 0.27 0.00	47.78 0.19 -0.13	49.78 0.20 0.00	48.20 0.34 0.00	49.16 0.29 0.00	50.70 0.45 0.00	53.76 0.48 0.00	52.93 0.52 0.00	53.84 0.59 0.00	56.97 0.84 0.00	60.11 1.06 0.00	57.43 1.07 0.00	56.80 1.00 0.00	50.77 0.90 0.00	46.71 0.60 0.00	41.38 0.37 0.00	37.20 0.55 0.00
NUMBER_THREE_WT_PWR 323818	51.58 0.46 0.00	49.50 0.54 0.00	47.62 0.57 0.00	45.98 0.99 0.00	44.12 0.95 0.00	45.34 0.93 0.00	47.34 0.98 0.00	46.99 1.24 0.00	48.77 1.28 -0.03	50.63 1.04 0.00	48.68 0.81 0.00	49.75 0.88 0.00	50.95 0.70 0.00	54.02 0.75 0.00	53.24 0.84 0.00	54.21 0.96 0.00	57.02 0.90 0.00	59.64 0.59 0.00	56.81 0.45 0.00	56.41 0.61 0.00	50.62 0.75 0.00	46.67 0.56 0.00	41.46 0.45 0.00	36.90 0.26 0.00
NYISO_LBMP_REFERENCE 24008	51.12 0.00 0.00	48.96 0.00 0.00	47.06 0.00 0.00	44.99 0.00 0.00	43.17 0.00 0.00	44.40 0.00 0.00	46.36 0.00 0.00	45.76 0.00 0.00	47.46 0.00 0.00	49.58 0.00 0.00	47.87 0.00 0.00	48.87 0.00 0.00	50.25 0.00 0.00	53.28 0.00 0.00	52.41 0.00 0.00	53.25 0.00 0.00	56.13 0.00 0.00	59.05 0.00 0.00	56.36 0.00 0.00	55.80 0.00 0.00	49.87 0.00 0.00	46.11 0.00 0.00	41.01 0.00 0.00	36.65 0.00 0.00
NYPA_BRENTWD____GT 24164	58.85 4.60 -3.13	54.01 5.04 0.00	52.01 4.94 -0.01	49.77 4.77 -0.01	48.07 4.88 -0.02	49.43 5.02 -0.01	51.61 5.24 -0.01	52.17 6.41 -0.01	53.44 5.98 0.00	54.69 5.11 0.00	51.08 3.45 0.23	52.20 3.71 0.38	53.59 3.82 0.48	56.86 4.37 0.79	57.60 5.19 0.00	59.73 5.38 -1.10	61.29 5.16 0.00	64.81 5.73 -0.03	59.90 4.56 1.02	58.90 4.07 0.97	54.15 4.39 0.11	50.12 4.01 0.00	45.69 4.67 -0.01	44.16 4.95 -2.56



NYPA_GOWANUS____GT5 24156	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.00 4.96 0.01	60.63 4.28 0.01	59.64 3.85 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NYPA_GOWANUS____GT6 24157	55.53 4.40 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.64 3.64 -0.01	46.76 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.52 4.76 0.00	52.24 4.79 0.01	54.13 4.56 0.01	51.88 4.02 0.01	53.06 4.20 0.01	54.41 4.17 0.01	57.75 4.48 0.00	57.43 5.03 0.01	58.52 5.27 0.01	61.00 4.88 0.01	64.00 4.96 0.01	60.63 4.28 0.01	59.64 3.85 0.01	53.90 4.04 0.01	50.03 3.92 0.00	44.71 3.69 -0.01	40.58 3.92 -0.01
NYPA_HARLEM__RVR__GT1 24160	55.47 4.34 -0.01	52.84 3.87 -0.01	50.69 3.62 -0.01	48.32 3.33 0.00	46.54 3.37 0.00	47.56 3.15 0.00	49.83 3.48 0.01	50.37 4.62 0.01	52.10 4.65 0.01	53.94 4.36 0.01	51.69 3.83 0.01	52.87 4.01 0.01	54.11 3.87 0.01	57.48 4.21 0.01	57.17 4.77 0.01	58.31 5.06 0.01	60.66 4.54 0.01	63.77 4.73 0.01	60.35 4.00 0.01	59.47 3.68 0.01	53.70 3.84 0.01	49.80 3.69 0.01	44.28 3.28 0.01	40.47 3.81 -0.01
NYPA_HARLEM__RVR__GT2 24161	55.47 4.34 -0.01	52.84 3.87 -0.01	50.69 3.62 -0.01	48.32 3.33 0.00	46.54 3.37 0.00	47.56 3.15 0.00	49.83 3.48 0.01	50.37 4.62 0.01	52.10 4.65 0.01	53.94 4.36 0.01	51.69 3.83 0.01	52.87 4.01 0.01	54.11 3.87 0.01	57.48 4.21 0.01	57.17 4.77 0.01	58.31 5.06 0.01	60.66 4.54 0.01	63.77 4.73 0.01	60.35 4.00 0.01	59.47 3.68 0.01	53.70 3.84 0.01	49.80 3.69 0.01	44.28 3.28 0.01	40.47 3.81 -0.01
NYPA_KENT____GT 24152	55.42 4.29 -0.01	52.88 3.92 0.00	50.83 3.77 -0.01	48.51 3.51 0.00	46.63 3.46 0.00	47.82 3.42 0.00	50.12 3.75 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.20 4.61 0.00	51.94 4.07 0.00	53.12 4.25 0.00	54.42 4.17 0.00	57.80 4.53 0.00	57.49 5.08 0.00	58.53 5.27 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.70 3.90 0.00	53.96 4.09 0.00	50.03 3.92 0.00	44.58 3.57 0.00	40.47 3.81 -0.01
NYPA_POUCH1____GT 24155	55.27 4.14 -0.01	52.74 3.77 0.00	50.78 3.72 -0.01	48.60 3.60 -0.01	46.72 3.54 -0.01	47.87 3.47 0.00	50.07 3.71 0.00	50.33 4.58 0.00	51.96 4.51 0.01	52.50 4.26 1.35	51.64 3.78 0.01	52.82 3.96 0.01	54.11 3.87 0.01	56.75 4.16 0.68	57.17 4.77 0.01	56.85 5.00 1.40	58.97 4.54 1.70	57.25 4.66 6.46	56.12 4.00 4.24	56.08 3.57 3.29	53.65 3.79 0.01	49.94 3.83 0.00	44.75 3.73 -0.01	40.58 3.92 -0.01
NYPA_VERNON____GT2 24162	55.32 4.19 -0.01	52.83 3.87 0.00	50.69 3.62 -0.01	48.41 3.42 0.00	46.54 3.37 0.00	47.74 3.33 0.00	50.07 3.71 0.00	50.60 4.85 0.00	52.35 4.89 0.00	54.24 4.66 0.00	51.99 4.12 0.00	53.17 4.30 0.00	54.47 4.22 0.00	57.80 4.53 0.00	57.49 5.08 0.00	58.58 5.32 0.00	61.07 4.94 0.00	64.13 5.08 0.00	60.70 4.34 0.00	59.82 4.02 0.00	53.96 4.09 0.00	49.99 3.87 0.00	44.45 3.45 0.00	40.40 3.74 -0.01
NYPA_VERNON____GT3 24163	55.32 4.19 -0.01	52.83 3.87 0.00	50.69 3.62 -0.01	48.41 3.42 0.00	46.54 3.37 0.00	47.74 3.33 0.00	50.07 3.71 0.00	50.60 4.85 0.00	52.35 4.89 0.00	54.24 4.66 0.00	51.99 4.12 0.00	53.17 4.30 0.00	54.47 4.22 0.00	57.80 4.53 0.00	57.49 5.08 0.00	58.58 5.32 0.00	61.07 4.94 0.00	64.13 5.08 0.00	60.70 4.34 0.00	59.82 4.02 0.00	53.96 4.09 0.00	49.99 3.87 0.00	44.45 3.45 0.00	40.40 3.74 -0.01
NYPA__ASTORIA_CC1 323568	55.27 4.14 -0.01	52.79 3.82 0.00	50.64 3.57 -0.01	48.32 3.33 0.00	46.50 3.32 0.00	47.64 3.24 0.00	50.02 3.66 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.14 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.37 4.12 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	60.89 4.77 0.00	64.01 4.96 0.00	60.59 4.23 0.00	59.70 3.90 0.00	53.91 4.04 0.00	49.90 3.78 0.00	44.37 3.36 0.00	40.35 3.70 -0.01
NYPA__ASTORIA_CC2 323569	55.27 4.14 -0.01	52.79 3.82 0.00	50.64 3.57 -0.01	48.32 3.33 0.00	46.50 3.32 0.00	47.64 3.24 0.00	50.02 3.66 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.14 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.37 4.12 0.00	57.75 4.48 0.00	57.39 4.98 0.00	58.53 5.27 0.00	60.89 4.77 0.00	64.01 4.96 0.00	60.59 4.23 0.00	59.70 3.90 0.00	53.91 4.04 0.00	49.90 3.78 0.00	44.37 3.36 0.00	40.35 3.70 -0.01
NYPA__HOLTSVILL 23794	57.63 4.09 -2.41	53.63 4.65 -0.01	51.58 4.52 -0.01	49.36 4.36 -0.01	47.86 4.66 -0.02	49.21 4.80 -0.01	51.34 4.96 -0.02	51.91 6.13 -0.02	53.16 5.69 -0.01	54.45 4.86 -0.01	50.90 3.21 0.17	52.11 3.52 0.28	53.59 3.57 0.23	56.93 4.05 0.40	57.24 4.82 -0.01	63.36 4.95 -5.16	60.85 4.72 -0.01	64.31 5.25 0.00	59.92 4.06 0.50	58.95 3.62 0.47	53.82 4.04 0.09	49.62 3.50 0.00	45.32 4.30 -0.01	43.90 4.69 -2.56
NYPA____HELLGATE_GT1 24158	55.53 4.40 -0.01	52.89 3.92 -0.01	50.74 3.67 -0.01	48.37 3.38 0.00	46.54 3.37 0.00	47.56 3.15 0.00	49.83 3.48 0.01	50.37 4.62 0.01	52.10 4.65 0.01	53.94 4.36 0.01	51.69 3.83 0.01	52.87 4.01 0.01	54.11 3.87 0.01	57.48 4.21 0.01	57.17 4.77 0.01	58.31 5.06 0.01	60.66 4.54 0.01	63.77 4.73 0.01	60.35 4.00 0.01	59.47 3.68 0.01	53.70 3.84 0.01	49.80 3.69 0.01	44.28 3.28 0.01	40.47 3.81 -0.01
NYPA____HELLGATE_GT2 24159	55.53 4.40 -0.01	52.89 3.92 -0.01	50.74 3.67 -0.01	48.37 3.38 0.00	46.54 3.37 0.00	47.56 3.15 0.00	49.83 3.48 0.01	50.37 4.62 0.01	52.10 4.65 0.01	53.94 4.36 0.01	51.69 3.83 0.01	52.87 4.01 0.01	54.11 3.87 0.01	57.48 4.21 0.01	57.17 4.77 0.01	58.31 5.06 0.01	60.66 4.54 0.01	63.77 4.73 0.01	60.35 4.00 0.01	59.47 3.68 0.01	53.70 3.84 0.01	49.80 3.69 0.01	44.28 3.28 0.01	40.47 3.81 -0.01
NYS_BARGE__HYD 23848	51.17 0.05 0.00	48.67 -0.29 0.00	46.21 -0.85 0.00	44.05 -0.95 0.00	41.88 -1.29 0.00	43.38 -1.02 0.00	45.16 -1.21 0.00	44.25 -1.51 0.00	46.18 -1.28 0.00	48.35 -1.24 0.00	47.63 -0.24 0.00	48.43 -0.44 0.00	51.51 1.26 0.00	54.40 1.12 0.00	52.88 0.47 0.00	53.20 -0.05 0.00	56.07 -0.06 0.00	59.47 0.42 0.00	56.42 0.06 0.00	55.74 -0.06 0.00	50.32 0.45 0.00	45.61 -0.51 0.00	40.47 -0.53 0.00	36.83 0.18 0.00
OAK ORCHARD__HYD 24046	51.58 0.46 0.00	49.11 0.15 0.00	46.82 -0.23 0.00	44.59 -0.41 0.00	42.57 -0.60 0.00	44.00 -0.40 0.00	45.81 -0.55 0.00	45.25 -0.50 0.00	47.13 -0.33 0.00	49.29 -0.30 0.00	48.30 0.43 0.00	49.21 0.34 0.00	51.61 1.36 0.00	54.45 1.17 0.00	53.24 0.84 0.00	53.89 0.64 0.00	56.97 0.84 0.00	60.12 1.06 0.00	57.21 0.85 0.00	56.47 0.67 0.00	50.81 0.95 0.00	46.35 0.23 0.00	41.05 0.04 0.00	37.05 0.40 0.00



OAKDALE___35_KV_LOAD 356122	51.89 0.77 0.00	49.65 0.69 0.00	47.57 0.52 0.00	45.44 0.45 0.00	43.52 0.35 0.00	44.89 0.49 0.00	46.83 0.46 0.00	47.45 1.69 0.00	49.12 1.66 0.00	51.17 1.59 0.00	49.54 1.68 0.00	50.63 1.76 0.00	52.41 2.16 0.00	55.73 2.45 0.00	54.98 2.57 0.00	55.92 2.66 0.00	57.53 1.40 0.00	60.70 1.65 0.00	57.82 1.47 0.00	57.19 1.39 0.00	51.17 1.30 0.00	46.99 0.88 0.00	41.54 0.53 0.00	37.45 0.81 0.00
OCC_CHEM___DRP 24175	49.69 -1.43 0.00	47.50 -1.47 0.00	45.22 -1.84 0.00	43.15 -1.84 0.00	41.06 -2.12 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	44.99 -2.47 0.00	47.10 -2.48 0.00	46.34 -1.53 0.00	47.11 -1.76 0.00	49.45 -0.80 0.00	52.90 -0.37 0.00	51.57 -0.84 0.00	51.76 -1.49 0.00	54.56 -1.57 0.00	57.58 -1.48 0.00	54.95 -1.41 0.00	54.24 -1.56 0.00	48.12 -1.75 0.00	43.95 -2.17 0.00	39.16 -1.85 0.00	35.95 -0.70 0.00
OH_GEN_PROXY 24063	50.51 -0.61 0.00	48.03 -0.93 0.00	45.74 -1.32 0.00	43.55 -1.44 0.00	41.45 -1.73 0.00	42.94 -1.46 0.00	44.65 -1.71 0.00	43.79 -1.97 0.00	45.66 -1.80 0.00	47.80 -1.78 0.00	47.10 -0.77 0.41	47.48 -0.98 -0.41	51.26 0.61 0.00	53.70 0.42 0.00	52.25 -0.16 0.00	52.56 -0.69 0.00	55.40 -0.73 0.00	58.70 -0.35 0.00	55.68 -0.67 0.00	55.07 -0.73 0.00	49.67 -0.20 0.00	45.10 -1.01 0.00	41.98 -0.94 -1.92	34.48 -0.25 1.92
OLIN_CORP_DRP 24177	50.30 -0.82 0.00	48.03 -0.93 0.00	45.65 -1.41 0.00	43.46 -1.53 0.00	41.36 -1.81 0.00	42.85 -1.55 0.00	44.55 -1.81 0.00	43.61 -2.15 0.00	45.51 -1.95 0.00	47.65 -1.93 0.00	46.81 -1.05 0.00	47.60 -1.27 0.00	49.95 -0.30 0.00	53.49 0.21 0.00	52.15 -0.26 0.00	52.35 -0.91 0.00	55.17 -0.95 0.00	58.17 -0.89 0.00	55.57 -0.79 0.00	54.85 -0.95 0.00	48.67 -1.20 0.00	44.45 -1.66 0.00	39.61 -1.39 0.00	36.35 -0.29 0.00
OLIN_CORP_DSASP 323712	49.95 -1.17 0.00	47.50 -1.47 0.00	45.27 -1.79 0.00	43.19 -1.80 0.00	41.06 -2.11 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	45.04 -2.42 0.00	47.15 -2.43 0.00	46.53 -1.34 0.00	47.26 -1.61 0.00	50.25 0.00 0.00	53.06 -0.21 0.00	51.57 -0.84 0.00	51.82 -1.44 0.00	54.61 -1.51 0.00	57.93 -1.12 0.00	54.89 -1.47 0.00	54.24 -1.56 0.00	48.97 -0.90 0.00	44.46 -1.66 0.00	39.53 -1.47 0.00	35.95 -0.70 0.00
ONEIDA_HERK_LFGE 323681	52.20 1.08 0.00	49.99 1.03 0.00	48.05 0.99 0.00	46.07 1.08 0.00	44.21 1.03 0.00	45.47 1.06 0.00	47.43 1.07 0.00	47.13 1.37 0.00	48.93 1.47 0.00	50.87 1.29 0.00	49.01 1.15 0.00	50.09 1.22 0.00	51.41 1.16 0.00	54.50 1.23 0.00	53.72 1.31 0.00	54.74 1.49 0.00	57.53 1.40 0.00	60.47 1.41 0.00	57.66 1.30 0.00	57.08 1.28 0.00	51.16 1.29 0.00	47.13 1.01 0.00	41.79 0.78 0.00	37.34 0.69 0.00
ONEIDA___115KV_TB4 55905	52.71 1.58 0.00	50.43 1.47 0.00	48.42 1.36 0.00	46.25 1.26 0.00	44.34 1.17 0.00	45.65 1.24 0.00	47.61 1.25 0.00	47.40 1.65 0.00	49.21 1.71 -0.04	51.17 1.59 0.00	49.40 1.53 0.00	50.48 1.61 0.00	51.86 1.61 0.00	55.03 1.76 0.00	54.24 1.83 0.00	55.28 2.02 0.00	58.04 1.91 0.00	61.24 2.18 0.00	58.39 2.03 0.00	57.81 2.01 0.00	51.76 1.90 0.00	47.59 1.48 0.00	42.16 1.15 0.00	37.75 1.10 0.00
ONONDAGA_REF_OCCRA 23987	51.22 0.10 0.00	48.96 0.00 0.00	46.96 -0.09 0.00	44.81 -0.18 0.00	42.96 -0.22 0.00	44.27 -0.13 0.00	46.18 -0.19 0.00	45.71 -0.05 0.00	47.41 -0.14 -0.09	49.43 -0.15 0.00	47.87 0.00 0.00	48.82 -0.05 0.00	50.30 0.05 0.00	53.38 0.11 0.00	52.62 0.21 0.00	53.52 0.27 0.00	56.58 0.45 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.32 0.45 0.00	46.30 0.18 0.00	41.01 0.00 0.00	36.83 0.18 0.00
ONONDAGA___COGEN 23986	51.22 0.10 0.00	48.96 0.00 0.00	46.96 -0.09 0.00	44.86 -0.13 0.00	42.96 -0.22 0.00	44.27 -0.13 0.00	46.22 -0.14 0.00	45.53 -0.23 0.00	47.32 -0.28 -0.15	49.34 -0.25 0.00	47.72 -0.14 0.00	48.72 -0.15 0.00	50.15 -0.10 0.00	53.17 -0.11 0.00	52.36 -0.05 0.00	53.31 0.05 0.00	56.58 0.45 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.27 0.40 0.00	46.30 0.18 0.00	41.01 0.00 0.00	36.87 0.22 0.00
ONTARIO___LFGE 23819	52.09 0.97 0.00	49.80 0.83 0.00	47.62 0.57 0.00	45.40 0.40 0.00	43.39 0.22 0.00	44.89 0.49 0.00	46.78 0.42 0.00	46.67 0.91 0.00	48.43 0.95 -0.03	50.52 0.94 0.00	49.16 1.29 0.00	50.14 1.27 0.00	51.91 1.66 0.00	54.93 1.65 0.00	53.93 1.52 0.00	54.91 1.65 0.00	57.58 1.46 0.00	60.94 1.89 0.00	58.11 1.75 0.00	57.58 1.79 0.00	51.66 1.79 0.00	47.45 1.34 0.00	41.87 0.86 0.00	37.71 1.06 0.00
ORANGEVILLE_WT_PWR 323706	51.63 0.51 0.00	49.11 0.15 0.00	46.78 -0.28 0.00	44.54 -0.45 0.00	42.44 -0.73 0.00	43.96 -0.44 0.00	45.76 -0.60 0.00	45.25 -0.50 0.00	47.08 -0.38 0.00	49.24 -0.34 0.00	48.16 0.29 0.00	48.96 0.10 0.00	51.71 1.46 0.00	54.72 1.44 0.00	53.35 0.94 0.00	53.94 0.69 0.00	56.52 0.40 0.00	59.94 0.89 0.00	56.98 0.62 0.00	56.52 0.72 0.00	51.02 1.15 0.00	46.44 0.33 0.00	41.05 0.04 0.00	37.27 0.62 0.00
ORANGEVILLE___ESR 323794	51.63 0.51 0.00	49.11 0.15 0.00	46.78 -0.28 0.00	44.54 -0.45 0.00	42.44 -0.73 0.00	43.96 -0.44 0.00	45.76 -0.60 0.00	45.25 -0.50 0.00	47.08 -0.38 0.00	49.24 -0.34 0.00	48.16 0.29 0.00	48.96 0.10 0.00	51.71 1.46 0.00	54.72 1.44 0.00	53.35 0.94 0.00	53.94 0.69 0.00	56.52 0.40 0.00	59.94 0.89 0.00	56.98 0.62 0.00	56.52 0.72 0.00	51.02 1.15 0.00	46.44 0.33 0.00	41.05 0.04 0.00	37.27 0.62 0.00
OSWEGATCHIE___HYD 24044	50.87 -0.25 0.00	48.87 -0.10 0.00	46.96 -0.09 0.00	45.17 0.18 0.00	43.43 0.26 0.00	44.54 0.13 0.00	46.50 0.14 0.00	46.12 0.36 0.00	47.96 0.47 -0.03	49.93 0.35 0.00	48.06 0.19 0.00	49.11 0.25 0.00	50.25 0.00 0.00	53.33 0.05 0.00	52.36 -0.05 0.00	53.04 -0.21 0.00	55.62 -0.51 0.00	58.35 -0.71 0.00	55.68 -0.67 0.00	55.47 -0.33 0.00	49.87 0.00 0.00	46.30 0.19 0.00	41.30 0.29 0.00	36.57 -0.07 0.00
OSWEGO___5 23606	50.25 -0.87 0.00	48.03 -0.93 0.00	46.12 -0.94 0.00	44.05 -0.95 0.00	42.22 -0.95 0.00	43.47 -0.93 0.00	45.44 -0.93 0.00	44.75 -1.01 0.00	46.92 -1.09 -0.55	48.49 -1.09 0.00	46.91 -0.96 0.00	47.89 -0.98 0.00	49.29 -0.96 0.00	52.21 -1.07 0.00	51.36 -1.05 0.00	52.30 -0.96 0.00	55.46 -0.67 0.00	58.28 -0.77 0.00	55.57 -0.79 0.00	55.02 -0.78 0.00	49.27 -0.60 0.00	45.38 -0.74 0.00	40.27 -0.74 0.00	36.10 -0.55 0.00
OSWEGO___6 23613	50.25 -0.87 0.00	48.03 -0.93 0.00	46.12 -0.94 0.00	44.05 -0.95 0.00	42.22 -0.95 0.00	43.47 -0.93 0.00	45.44 -0.93 0.00	44.75 -1.01 0.00	46.92 -1.09 -0.55	48.49 -1.09 0.00	46.91 -0.96 0.00	47.89 -0.98 0.00	49.29 -0.96 0.00	52.21 -1.07 0.00	51.36 -1.05 0.00	52.30 -0.96 0.00	55.46 -0.67 0.00	58.28 -0.77 0.00	55.57 -0.79 0.00	55.02 -0.78 0.00	49.27 -0.60 0.00	45.38 -0.74 0.00	40.27 -0.74 0.00	36.10 -0.55 0.00



OUTOKUMPU-AB____DRP 24206	51.12 0.00 0.00	48.87 -0.10 0.00	46.45 -0.61 0.00	44.23 -0.76 0.00	42.09 -1.08 0.00	43.65 -0.75 0.00	45.30 -1.07 0.00	44.48 -1.28 0.00	46.46 -1.00 0.00	48.64 -0.94 0.00	47.77 -0.10 0.00	48.62 -0.24 0.00	51.00 0.75 0.00	54.66 1.39 0.00	53.30 0.89 0.00	53.57 0.32 0.00	56.35 0.22 0.00	59.46 0.41 0.00	56.75 0.39 0.00	56.02 0.22 0.00	49.67 -0.20 0.00	45.33 -0.78 0.00	40.31 -0.70 0.00	36.98 0.33 0.00
OXBOW____BTM 323836	50.77 -0.36 0.00	48.28 -0.69 0.00	45.93 -1.13 0.00	43.82 -1.17 0.00	41.66 -1.51 0.00	43.16 -1.24 0.00	44.79 -1.58 0.00	43.88 -1.88 0.00	45.84 -1.61 0.00	47.99 -1.59 0.00	47.34 -0.53 0.00	48.14 -0.73 0.00	51.20 0.95 0.00	54.08 0.80 0.00	52.57 0.16 0.00	52.88 -0.37 0.00	55.68 -0.45 0.00	59.05 0.00 0.00	55.97 -0.39 0.00	55.29 -0.50 0.00	49.87 0.00 0.00	45.24 -0.88 0.00	40.19 -0.82 0.00	36.54 -0.11 0.00
OXBOW____ 24026	50.51 -0.61 0.00	48.28 -0.69 0.00	45.93 -1.13 0.00	43.78 -1.21 0.00	41.66 -1.51 0.00	43.16 -1.24 0.00	44.79 -1.58 0.00	43.88 -1.88 0.00	45.85 -1.61 0.00	48.00 -1.59 0.00	47.20 -0.67 0.00	47.99 -0.88 0.00	50.35 0.10 0.00	53.92 0.64 0.00	52.57 0.16 0.00	52.83 -0.43 0.00	55.62 -0.51 0.00	58.64 -0.41 0.00	56.02 -0.34 0.00	55.24 -0.56 0.00	49.02 -0.85 0.00	44.73 -1.38 0.00	39.82 -1.19 0.00	36.54 -0.11 0.00
OXY_CHEM_DSASP 323612	49.69 -1.43 0.00	47.50 -1.47 0.00	45.22 -1.84 0.00	43.15 -1.84 0.00	41.06 -2.12 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	44.99 -2.47 0.00	47.10 -2.48 0.00	46.34 -1.53 0.00	47.11 -1.76 0.00	49.45 -0.80 0.00	52.90 -0.37 0.00	51.57 -0.84 0.00	51.76 -1.49 0.00	54.56 -1.57 0.00	57.58 -1.48 0.00	54.95 -1.41 0.00	54.24 -1.56 0.00	48.12 -1.75 0.00	43.95 -2.17 0.00	39.16 -1.85 0.00	35.95 -0.70 0.00
OZONE_PARK_ESR 323760	55.82 4.70 0.00	53.27 4.31 0.00	51.06 4.00 0.00	48.77 3.78 0.00	46.84 3.67 0.00	48.13 3.73 0.00	50.53 4.17 0.00	51.16 5.40 0.00	52.92 5.46 0.00	54.79 5.21 0.00	52.56 4.69 0.00	53.70 4.84 0.00	55.22 4.97 0.00	58.44 5.17 0.00	58.17 5.76 0.00	59.27 6.02 0.00	61.85 5.72 0.00	65.13 6.08 0.00	61.49 5.13 0.00	60.60 4.80 0.00	54.96 5.09 0.00	50.68 4.57 0.00	44.94 3.94 0.00	40.60 3.96 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	49.69 -1.43 0.00	47.50 -1.47 0.00	45.22 -1.84 0.00	43.15 -1.84 0.00	41.06 -2.12 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	44.99 -2.47 0.00	47.10 -2.48 0.00	46.34 -1.53 0.00	47.11 -1.76 0.00	49.45 -0.80 0.00	52.90 -0.37 0.00	51.57 -0.84 0.00	51.76 -1.49 0.00	54.56 -1.57 0.00	57.58 -1.48 0.00	54.95 -1.41 0.00	54.24 -1.56 0.00	48.12 -1.75 0.00	43.95 -2.17 0.00	39.16 -1.85 0.00	35.95 -0.70 0.00
PACKARD__115KV_DUPONT_184 80571	49.69 -1.43 0.00	47.50 -1.47 0.00	45.22 -1.84 0.00	43.15 -1.84 0.00	41.06 -2.12 0.00	42.54 -1.86 0.00	44.09 -2.27 0.00	43.15 -2.61 0.00	44.99 -2.47 0.00	47.10 -2.48 0.00	46.34 -1.53 0.00	47.11 -1.76 0.00	49.45 -0.80 0.00	52.90 -0.37 0.00	51.57 -0.84 0.00	51.76 -1.49 0.00	54.56 -1.57 0.00	57.58 -1.48 0.00	54.95 -1.41 0.00	54.24 -1.56 0.00	48.12 -1.75 0.00	43.95 -2.17 0.00	39.16 -1.85 0.00	35.95 -0.70 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	55.52 4.40 -0.01	53.04 4.06 -0.01	50.78 3.72 -0.01	48.41 3.42 0.00	46.54 3.37 0.00	47.56 3.15 0.00	49.84 3.48 0.00	50.42 4.67 0.00	52.16 4.70 0.00	54.00 4.41 0.00	51.79 3.93 0.00	52.87 4.01 0.00	54.37 4.12 0.00	57.48 4.21 0.00	57.23 4.82 0.00	58.36 5.11 0.00	60.73 4.60 0.00	63.78 4.72 0.00	60.25 3.89 0.00	59.48 3.68 0.00	53.96 4.09 0.00	49.90 3.78 0.00	44.33 3.32 0.00	40.43 3.77 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	56.39 5.27 -0.01	53.87 4.90 -0.01	51.54 4.47 -0.01	49.13 4.14 0.00	47.19 4.02 0.00	48.22 3.82 0.00	50.53 4.17 0.00	51.06 5.31 0.00	52.82 5.36 0.00	54.69 5.11 0.00	52.37 4.50 0.00	53.51 4.64 0.00	54.97 4.72 0.00	58.23 4.95 0.00	57.96 5.56 0.00	59.06 5.80 0.00	61.51 5.39 0.00	64.60 5.55 0.00	61.04 4.68 0.00	60.26 4.46 0.00	54.71 4.84 0.00	50.54 4.43 0.00	44.90 3.90 0.00	40.94 4.29 -0.01
PATROON__115KV_TB1 80586	52.50 1.38 0.00	50.24 1.27 0.00	48.28 1.22 0.00	46.07 1.08 0.00	44.25 1.08 0.00	45.56 1.15 0.00	47.57 1.21 0.00	47.18 1.42 0.00	48.74 1.28 0.00	50.53 0.94 0.00	48.73 0.86 0.00	49.70 0.83 0.00	51.00 0.75 0.00	54.02 0.75 0.00	53.51 1.10 0.00	54.53 1.28 0.00	57.14 1.01 0.00	60.29 1.24 0.00	57.26 0.90 0.00	56.64 0.84 0.00	50.87 1.00 0.00	47.08 0.97 0.00	41.83 0.82 0.00	37.64 0.99 0.00
PATTRSNVILLE____SOLAR 323815	53.27 2.15 0.00	50.97 2.01 0.00	48.99 1.93 0.00	46.75 1.75 0.00	44.86 1.68 0.00	46.23 1.82 0.00	48.22 1.86 0.00	47.86 2.11 0.00	49.41 1.95 0.00	51.22 1.63 0.00	49.30 1.43 0.00	50.33 1.46 0.00	51.66 1.41 0.00	54.77 1.49 0.00	54.19 1.78 0.00	55.28 2.02 0.00	58.04 1.91 0.00	61.24 2.19 0.00	58.45 2.09 0.00	57.86 2.07 0.00	51.96 2.09 0.00	47.91 1.80 0.00	42.48 1.47 0.00	38.19 1.54 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	51.17 0.05 0.00	48.82 -0.15 0.00	46.40 -0.66 0.00	44.23 -0.76 0.00	42.09 -1.08 0.00	43.65 -0.75 0.00	45.43 -0.93 0.00	44.75 -1.01 0.00	46.75 -0.71 0.00	48.94 -0.64 0.00	47.96 0.10 0.00	48.92 0.05 0.00	51.26 1.00 0.00	54.93 1.65 0.00	53.67 1.26 0.00	54.16 0.91 0.00	56.74 0.62 0.00	59.82 0.77 0.00	57.15 0.79 0.00	56.36 0.56 0.00	49.97 0.10 0.00	45.65 -0.46 0.00	40.35 -0.66 0.00	37.05 0.40 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	55.01 3.89 0.00	52.64 3.67 0.00	50.40 3.34 0.00	48.14 3.15 0.00	46.20 3.02 0.00	47.56 3.15 0.00	49.79 3.43 0.00	50.29 4.53 0.00	52.01 4.56 0.00	53.80 4.21 0.00	51.84 3.97 0.00	52.87 4.01 0.00	54.37 4.12 0.00	57.64 4.37 0.00	57.18 4.77 0.00	58.31 5.06 0.00	60.84 4.71 0.00	64.19 5.14 0.00	60.75 4.40 0.00	59.98 4.18 0.00	54.16 4.29 0.00	49.76 3.64 0.00	44.17 3.16 0.00	39.83 3.19 0.00
PEEKSKILL____ 23653	54.40 3.27 0.00	52.05 3.09 0.00	49.98 2.92 0.00	47.74 2.74 0.00	45.90 2.72 0.00	47.16 2.75 0.00	49.42 3.06 0.00	49.92 4.16 0.00	51.59 4.13 0.00	53.45 3.87 0.00	51.27 3.40 0.00	52.48 3.62 0.00	53.87 3.62 0.00	57.22 3.94 0.00	56.81 4.40 0.00	57.94 4.69 0.00	60.51 4.38 0.00	63.78 4.73 0.00	60.36 4.00 0.00	59.48 3.68 0.00	53.61 3.74 0.00	49.44 3.32 0.00	43.88 2.87 0.00	39.69 3.04 0.00
PGE MADISON____WINDPWR 24146	55.52 4.40 0.00	53.03 4.06 0.00	50.77 3.72 0.00	48.41 3.42 0.00	46.24 3.07 0.00	47.69 3.29 0.00	49.65 3.29 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.20 4.61 0.00	52.22 4.36 0.00	53.61 4.74 0.00	55.23 4.98 0.00	58.50 5.22 0.00	57.65 5.24 0.00	59.06 5.81 0.00	60.78 4.66 0.00	64.72 5.67 0.00	61.65 5.30 0.00	61.10 5.30 0.00	54.86 4.99 0.00	49.99 3.87 0.00	43.88 2.87 0.00	39.36 2.71 0.00



PIERCEFIELD___HYD 23852	50.25 -0.87 0.00	48.18 -0.78 0.00	46.40 -0.66 0.00	44.54 -0.45 0.00	42.91 -0.26 0.00	43.96 -0.44 0.00	45.85 -0.51 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.53 -0.05 0.00	47.72 -0.14 0.00	48.82 -0.05 0.00	49.90 -0.35 0.00	53.01 -0.27 0.00	51.73 -0.68 0.00	52.35 -0.91 0.00	54.67 -1.46 0.00	57.34 -1.71 0.00	54.78 -1.58 0.00	54.63 -1.17 0.00	49.22 -0.65 0.00	46.02 -0.09 0.00	41.13 0.12 0.00	36.21 -0.44 0.00
PINELAWN_CC_1 323563	60.89 3.99 -5.78	53.18 4.21 0.00	51.16 4.09 -0.01	48.96 3.96 -0.01	47.16 3.97 -0.02	48.49 4.08 -0.01	50.68 4.31 -0.01	51.30 5.53 -0.01	52.63 5.17 0.00	53.95 4.36 0.00	50.55 2.82 0.14	51.75 3.03 0.15	53.18 3.12 0.19	56.59 3.62 0.31	56.86 4.45 0.00	58.23 4.63 -0.34	60.51 4.38 0.00	63.66 4.61 0.00	59.73 3.78 0.40	58.71 3.29 0.38	53.50 3.69 0.06	49.48 3.36 0.00	45.36 4.34 -0.01	43.75 4.54 -2.56
PJM_GEN_HTP_PROXY 323702	55.00 3.88 0.00	52.54 3.57 0.00	50.40 3.34 0.00	48.19 3.19 0.00	46.28 3.11 0.00	47.60 3.20 0.00	49.93 3.57 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.14 4.56 0.00	51.93 4.07 0.00	52.66 4.20 0.41	54.82 4.17 -0.41	57.80 4.53 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.12 4.99 0.00	64.31 5.25 0.00	60.87 4.51 0.00	59.87 4.07 0.00	54.01 4.14 0.00	49.90 3.78 0.00	46.21 3.28 -1.92	38.21 3.48 1.92
PJM_GEN_KEYSTONE 24065	52.55 1.43 0.00	50.14 1.17 0.00	48.00 0.94 0.00	45.80 0.81 0.00	43.86 0.69 0.00	45.20 0.80 0.00	47.24 0.88 0.00	47.40 1.64 0.00	49.16 1.71 0.00	51.08 1.59 0.09	49.54 1.67 0.00	50.27 1.81 0.41	53.12 2.46 -0.41	55.89 2.61 0.00	55.13 2.72 0.00	56.02 2.77 0.00	58.48 2.36 0.00	61.77 2.72 0.00	58.62 2.26 0.00	57.80 2.01 0.00	52.06 2.19 0.00	50.31 1.61 -2.58	41.49 1.15 0.66	36.23 1.50 1.92
PJM_GEN_NEPTUNE_PROXY 323594	55.66 4.04 -0.50	52.83 3.87 0.00	50.83 3.77 -0.01	48.60 3.60 -0.01	46.73 3.54 -0.01	48.10 3.68 -0.01	50.36 3.99 -0.01	50.84 5.08 -0.01	52.30 4.84 0.00	53.75 4.17 0.00	50.74 2.87 0.00	51.59 3.13 0.41	53.82 3.17 -0.41	56.95 3.67 0.00	56.81 4.40 0.00	57.88 4.63 0.00	60.45 4.32 0.00	63.78 4.73 0.00	60.08 3.72 0.00	59.03 3.24 0.00	53.46 3.59 0.00	49.34 3.23 0.00	46.62 3.69 -1.92	41.14 3.85 -0.65
PJM_GEN_VFT_PROXY 323633	54.75 3.63 0.00	52.29 3.33 0.01	50.16 3.11 0.00	47.96 2.97 0.00	46.07 2.89 0.00	47.33 2.93 0.01	49.70 3.34 0.00	50.33 4.58 0.00	52.11 4.65 0.00	52.55 4.31 1.35	51.70 3.83 0.00	52.42 3.96 0.41	54.52 3.87 -0.40	56.76 4.16 0.67	57.12 4.72 0.00	56.81 4.95 1.40	59.04 4.60 1.69	57.44 4.84 6.45	56.19 4.06 4.23	56.18 3.68 3.30	53.76 3.89 0.00	49.76 3.64 0.00	46.04 3.12 -1.92	38.10 3.37 1.92
PLATSBURG_115KV_PMLD1 355749	50.35 -0.77 0.00	48.08 -0.88 0.00	46.54 -0.52 0.00	44.59 -0.40 0.00	42.87 -0.30 0.00	43.96 -0.44 0.00	45.94 -0.42 0.00	45.57 -0.18 0.00	47.46 0.00 0.00	49.43 -0.15 0.00	48.01 0.14 0.00	49.01 0.15 0.00	49.85 -0.40 0.00	53.01 -0.27 0.00	51.73 -0.68 0.00	52.51 -0.75 0.00	55.45 -0.67 0.00	58.17 -0.89 0.00	55.51 -0.85 0.00	55.35 -0.45 0.00	49.47 -0.40 0.00	46.58 0.46 0.00	41.46 0.45 0.00	36.65 0.00 0.00
PLEASANTVLY___LBMP 24000	53.98 2.86 0.00	51.66 2.69 0.00	49.55 2.49 0.00	47.38 2.38 0.00	45.51 2.33 0.00	46.80 2.40 0.00	49.00 2.64 0.00	49.42 3.66 0.00	51.02 3.56 0.00	52.86 3.27 0.00	50.79 2.92 0.00	51.85 2.98 0.00	53.37 3.12 0.00	56.47 3.20 0.00	56.13 3.72 0.00	57.25 3.99 0.00	59.77 3.65 0.00	63.01 3.96 0.00	59.68 3.33 0.00	58.87 3.07 0.00	53.16 3.29 0.00	49.11 3.00 0.00	43.51 2.50 0.00	39.28 2.64 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	54.70 3.58 0.00	52.29 3.33 0.00	50.12 3.06 0.00	47.92 2.92 0.00	46.02 2.85 0.00	47.33 2.93 0.00	49.56 3.20 0.00	50.10 4.35 0.00	51.78 4.32 0.00	53.60 4.02 0.00	51.51 3.64 0.00	52.63 3.76 0.00	54.12 3.87 0.00	57.33 4.05 0.00	56.97 4.56 0.00	58.10 4.85 0.00	60.67 4.55 0.00	63.95 4.90 0.00	60.42 4.06 0.00	59.59 3.79 0.00	53.91 4.04 0.00	49.71 3.60 0.00	44.08 3.08 0.00	39.80 3.15 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	54.70 3.58 0.00	52.29 3.33 0.00	50.12 3.06 0.00	47.92 2.92 0.00	46.02 2.85 0.00	47.33 2.93 0.00	49.56 3.20 0.00	50.10 4.35 0.00	51.78 4.32 0.00	53.60 4.02 0.00	51.51 3.64 0.00	52.63 3.76 0.00	54.12 3.87 0.00	57.33 4.05 0.00	56.97 4.56 0.00	58.10 4.85 0.00	60.67 4.55 0.00	63.95 4.90 0.00	60.42 4.06 0.00	59.59 3.79 0.00	53.91 4.04 0.00	49.71 3.60 0.00	44.08 3.08 0.00	39.80 3.15 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	54.49 3.37 0.00	52.10 3.13 0.00	49.93 2.87 0.00	47.69 2.70 0.00	45.81 2.63 0.00	47.16 2.75 0.00	49.33 2.97 0.00	49.74 3.98 0.00	51.40 3.94 0.00	53.20 3.62 0.00	51.17 3.30 0.00	52.29 3.42 0.00	53.77 3.52 0.00	56.90 3.62 0.00	56.50 4.09 0.00	57.67 4.42 0.00	60.22 4.10 0.00	63.54 4.49 0.00	60.13 3.78 0.00	59.37 3.57 0.00	53.56 3.69 0.00	49.39 3.27 0.00	43.76 2.75 0.00	39.50 2.86 0.00
POLETTI____ 23519	39.41 3.99 15.70	39.31 3.62 13.28	39.26 3.34 11.14	35.19 3.19 13.00	35.14 3.11 11.14	35.14 3.15 12.42	35.14 3.52 14.74	35.14 4.76 15.38	35.19 4.84 17.11	35.14 4.51 18.95	32.87 4.07 19.07	32.82 4.15 20.20	32.97 4.27 21.55	32.82 4.42 24.88	33.59 4.98 24.57	34.37 5.22 24.88	34.87 4.88 26.64	34.64 5.20 29.38	34.60 3.96 26.00	33.07 4.34 25.16	32.96 3.92 21.14	32.90 3.36 17.08	32.86 3.48 11.47	32.86 3.48 7.27
POMONA___ESR 323819	54.34 3.22 0.00	51.95 2.99 0.00	49.83 2.78 0.00	47.65 2.65 0.00	45.76 2.59 0.00	47.07 2.66 0.00	49.28 2.92 0.00	49.83 4.07 0.00	51.54 4.08 0.00	53.35 3.77 0.00	51.27 3.40 0.00	52.48 3.62 0.00	53.87 3.62 0.00	57.22 3.94 0.00	56.86 4.45 0.00	57.99 4.74 0.00	60.56 4.43 0.00	63.78 4.73 0.00	60.42 4.06 0.00	59.48 3.68 0.00	53.61 3.74 0.00	49.44 3.32 0.00	43.80 2.79 0.00	39.65 3.01 0.00
PORT_JEFF_3 23555	57.64 4.09 -2.43	53.78 4.80 -0.01	51.73 4.66 -0.01	49.46 4.46 -0.01	47.95 4.75 -0.03	49.30 4.88 -0.01	51.43 5.05 -0.02	52.04 6.27 -0.02	53.30 5.84 -0.01	54.60 5.01 -0.01	50.94 3.26 0.19	52.08 3.52 0.31	53.52 3.52 0.25	56.84 4.00 0.44	57.14 4.72 -0.01	63.42 4.79 -5.38	60.68 4.54 -0.01	64.13 5.08 0.00	59.70 3.89 0.55	58.80 3.52 0.52	53.81 4.04 0.10	49.76 3.64 0.00	45.45 4.43 -0.01	44.01 4.80 -2.56
PORT_JEFF_4 23616	57.64 4.09 -2.43	53.78 4.80 -0.01	51.73 4.66 -0.01	49.46 4.46 -0.01	47.95 4.75 -0.03	49.30 4.88 -0.01	51.43 5.05 -0.02	52.04 6.27 -0.02	53.30 5.84 -0.01	54.60 5.01 -0.01	50.94 3.26 0.19	52.08 3.52 0.31	53.52 3.52 0.25	56.84 4.00 0.44	57.14 4.72 -0.01	63.42 4.79 -5.38	60.68 4.54 -0.01	64.13 5.08 0.00	59.70 3.89 0.55	58.80 3.52 0.52	53.81 4.04 0.10	49.76 3.64 0.00	45.45 4.43 -0.01	44.01 4.80 -2.56



PORT_JEFF_IC 23713	58.24 4.65 -2.47	53.97 4.99 -0.01	51.76 4.71 0.00	49.54 4.54 0.00	48.04 4.84 -0.03	49.38 4.97 0.00	51.57 5.19 -0.01	52.18 6.41 -0.01	53.59 6.12 -0.01	54.70 5.11 -0.01	51.17 3.54 0.24	52.18 3.71 0.40	54.04 4.12 0.33	56.97 4.26 0.57	57.66 5.24 -0.01	64.73 5.27 -6.20	61.08 4.94 -0.01	64.19 5.14 0.00	59.82 4.17 0.71	59.14 4.02 0.67	54.23 4.49 0.13	50.40 4.29 0.00	45.64 4.63 0.00	44.08 4.87 -2.56
PPL PILGRIM_ST_GT1 24216	58.85 4.60 -3.13	54.01 5.04 0.00	52.01 4.94 -0.01	49.77 4.77 -0.01	48.07 4.88 -0.02	49.43 5.02 -0.01	51.61 5.24 -0.01	52.17 6.41 -0.01	53.44 5.98 0.00	54.69 5.11 0.00	51.08 3.45 0.23	52.20 3.71 0.38	53.59 3.82 0.48	56.86 4.37 0.79	57.60 5.19 0.00	59.73 5.38 -1.10	61.29 5.16 0.00	64.81 5.73 -0.03	59.90 4.56 1.02	58.90 4.07 0.97	54.15 4.39 0.11	50.12 4.01 0.00	45.69 4.67 -0.01	44.16 4.95 -2.56
PPL PILGRIM_ST_GT2 24217	58.85 4.60 -3.13	54.01 5.04 0.00	52.01 4.94 -0.01	49.77 4.77 -0.01	48.07 4.88 -0.02	49.43 5.02 -0.01	51.61 5.24 -0.01	52.17 6.41 -0.01	53.44 5.98 0.00	54.69 5.11 0.00	51.08 3.45 0.23	52.20 3.71 0.38	53.59 3.82 0.48	56.86 4.37 0.79	57.60 5.19 0.00	59.73 5.38 -1.10	61.29 5.16 0.00	64.81 5.73 -0.03	59.90 4.56 1.02	58.90 4.07 0.97	54.15 4.39 0.11	50.12 4.01 0.00	45.69 4.67 -0.01	44.16 4.95 -2.56
PPL_SHRM_GT3 24213	57.78 4.19 -2.47	54.07 5.09 -0.01	51.73 4.66 -0.01	49.41 4.41 -0.01	48.42 5.22 -0.03	49.78 5.37 -0.01	51.94 5.56 -0.02	52.55 6.77 -0.02	53.83 6.36 -0.01	55.15 5.55 -0.01	51.50 3.83 0.20	52.69 4.15 0.33	54.25 4.27 0.27	57.71 4.90 0.47	58.13 5.71 -0.01	64.60 5.86 -5.49	61.87 5.73 -0.01	65.38 6.32 0.00	60.85 5.07 0.58	59.82 4.58 0.55	54.60 4.84 0.10	49.57 3.46 0.00	45.04 4.02 -0.01	43.97 4.76 -2.56
PPL_SHRM_GT4 24214	57.78 4.19 -2.47	54.07 5.09 -0.01	51.73 4.66 -0.01	49.41 4.41 -0.01	48.42 5.22 -0.03	49.78 5.37 -0.01	51.94 5.56 -0.02	52.55 6.77 -0.02	53.83 6.36 -0.01	55.15 5.55 -0.01	51.50 3.83 0.20	52.69 4.15 0.33	54.25 4.27 0.27	57.71 4.90 0.47	58.13 5.71 -0.01	64.60 5.86 -5.49	61.87 5.73 -0.01	65.38 6.32 0.00	60.85 5.07 0.58	59.82 4.58 0.55	54.60 4.84 0.10	49.57 3.46 0.00	45.04 4.02 -0.01	43.97 4.76 -2.56
PROJECT___ORANGE 1 24174	51.02 -0.10 0.00	48.77 -0.20 0.00	46.77 -0.28 0.00	44.68 -0.31 0.00	42.79 -0.39 0.00	44.09 -0.31 0.00	45.99 -0.37 0.00	45.30 -0.46 0.00	47.02 -0.52 -0.08	49.09 -0.50 0.00	47.53 -0.34 0.00	48.52 -0.34 0.00	49.95 -0.30 0.00	53.01 -0.27 0.00	52.20 -0.21 0.00	53.09 -0.16 0.00	56.35 0.22 0.00	59.41 0.35 0.00	56.64 0.28 0.00	56.02 0.22 0.00	50.07 0.20 0.00	46.07 -0.05 0.00	40.84 -0.16 0.00	36.72 0.07 0.00
PROJECT___ORANGE 2 24166	51.02 -0.10 0.00	48.77 -0.20 0.00	46.77 -0.28 0.00	44.68 -0.31 0.00	42.79 -0.39 0.00	44.09 -0.31 0.00	45.99 -0.37 0.00	45.30 -0.46 0.00	47.02 -0.52 -0.08	49.09 -0.50 0.00	47.53 -0.34 0.00	48.52 -0.34 0.00	49.95 -0.30 0.00	53.01 -0.27 0.00	52.20 -0.21 0.00	53.09 -0.16 0.00	56.35 0.22 0.00	59.41 0.35 0.00	56.64 0.28 0.00	56.02 0.22 0.00	50.07 0.20 0.00	46.07 -0.05 0.00	40.84 -0.16 0.00	36.72 0.07 0.00
PUCKETT___SOLAR 323809	52.76 1.64 0.00	50.39 1.42 0.00	48.33 1.27 0.00	46.16 1.17 0.00	44.17 0.99 0.00	45.56 1.15 0.00	47.52 1.16 0.00	48.09 2.33 0.00	49.78 2.32 0.00	51.76 2.18 0.00	50.07 2.20 0.00	51.21 2.35 0.00	53.01 2.76 0.00	56.20 2.93 0.00	55.39 2.99 0.00	56.50 3.25 0.00	58.20 2.08 0.00	61.65 2.60 0.00	58.73 2.37 0.00	58.14 2.34 0.00	52.16 2.30 0.00	47.82 1.71 0.00	42.20 1.19 0.00	37.93 1.28 0.00
PYRITES___HYD 24023	51.12 0.00 0.00	49.01 0.05 0.00	47.20 0.14 0.00	45.26 0.27 0.00	43.61 0.43 0.00	44.58 0.18 0.00	46.50 0.14 0.00	46.12 0.37 0.00	47.93 0.47 0.00	50.08 0.50 0.00	48.25 0.38 0.00	49.31 0.44 0.00	50.40 0.15 0.00	53.54 0.27 0.00	52.25 -0.16 0.00	52.99 -0.27 0.00	55.45 -0.67 0.00	58.22 -0.83 0.00	55.80 -0.56 0.00	55.74 -0.06 0.00	50.12 0.25 0.00	46.76 0.65 0.00	41.71 0.70 0.00	36.68 0.04 0.00
QUAKERRD_115KV_BK1 80622	50.30 -0.82 0.00	48.03 -0.93 0.00	45.88 -1.18 0.00	43.69 -1.30 0.00	41.75 -1.42 0.00	43.12 -1.29 0.00	44.92 -1.44 0.00	44.38 -1.37 0.00	46.22 -1.23 0.00	48.34 -1.24 0.00	47.20 -0.67 0.00	48.09 -0.78 0.00	49.95 -0.30 0.00	53.06 -0.21 0.00	52.04 -0.37 0.00	52.67 -0.59 0.00	55.62 -0.51 0.00	58.64 -0.41 0.00	55.96 -0.39 0.00	55.18 -0.61 0.00	49.17 -0.70 0.00	45.10 -1.01 0.00	40.02 -0.98 0.00	36.21 -0.44 0.00
QUENSBRY_115KV_TB8 356137	54.03 2.91 0.00	51.66 2.69 0.00	49.50 2.45 0.00	47.02 2.02 0.00	45.25 2.07 0.00	46.62 2.22 0.00	48.68 2.32 0.00	48.59 2.84 0.00	50.35 2.89 0.00	52.16 2.58 0.00	49.78 1.91 0.00	50.92 2.05 0.00	51.96 1.71 0.00	54.82 1.55 0.00	54.45 2.04 0.00	55.60 2.34 0.00	58.26 2.13 0.00	61.65 2.60 0.00	59.23 2.87 0.00	58.70 2.90 0.00	52.81 2.94 0.00	48.65 2.54 0.00	43.14 2.13 0.00	38.74 2.09 0.00
RAMAPO___LBMP 323565	54.19 3.07 0.00	51.80 2.84 0.00	49.65 2.59 0.00	47.47 2.47 0.00	45.59 2.42 0.00	46.89 2.49 0.00	49.10 2.74 0.00	49.69 3.94 0.00	51.35 3.89 0.00	53.15 3.57 0.00	51.07 3.21 0.00	52.24 3.37 0.00	53.82 3.57 0.00	57.01 3.73 0.00	56.65 4.25 0.00	57.78 4.53 0.00	60.34 4.21 0.00	63.54 4.49 0.00	60.08 3.72 0.00	59.26 3.46 0.00	53.56 3.69 0.00	49.39 3.27 0.00	43.76 2.75 0.00	39.50 2.86 0.00
RANKINE____ 23646	51.38 0.26 0.00	49.06 0.10 0.00	46.63 -0.42 0.00	44.45 -0.54 0.00	42.27 -0.91 0.00	43.83 -0.58 0.00	45.62 -0.74 0.00	44.89 -0.87 0.00	46.89 -0.57 0.00	49.09 -0.50 0.00	48.11 0.24 0.00	49.01 0.15 0.00	51.41 1.16 0.00	55.03 1.76 0.00	53.72 1.31 0.00	54.10 0.85 0.00	56.80 0.67 0.00	59.94 0.89 0.00	57.20 0.85 0.00	56.47 0.67 0.00	50.12 0.25 0.00	45.75 -0.37 0.00	40.60 -0.41 0.00	37.20 0.55 0.00
RAVENSWOOD_GT2_1 24244	55.16 4.04 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.52 5.27 0.00	61.07 4.94 0.00	64.25 5.20 0.00	60.70 4.34 0.00	59.82 4.02 0.00	54.21 4.34 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.16 3.52 0.00
RAVENSWOOD_GT2_2 24245	55.16 4.04 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.52 5.27 0.00	61.07 4.94 0.00	64.25 5.20 0.00	60.70 4.34 0.00	59.82 4.02 0.00	54.21 4.34 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.16 3.52 0.00



RAVENSWOOD_GT2_3 24246	55.21 4.09 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.28 3.28 0.00	46.37 3.19 0.00	47.65 3.24 0.00	49.98 3.62 0.00	50.61 4.85 0.00	52.35 4.89 0.00	54.19 4.61 0.00	51.98 4.12 0.00	53.07 4.20 0.00	54.62 4.37 0.00	57.80 4.53 0.00	57.49 5.08 0.00	58.58 5.33 0.00	61.12 5.00 0.00	64.31 5.26 0.00	60.75 4.40 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.45 3.44 0.00	40.20 3.55 0.00
RAVENSWOOD_GT2_4 24247	55.21 4.09 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.28 3.28 0.00	46.37 3.19 0.00	47.65 3.24 0.00	49.98 3.62 0.00	50.61 4.85 0.00	52.35 4.89 0.00	54.19 4.61 0.00	51.98 4.12 0.00	53.07 4.20 0.00	54.62 4.37 0.00	57.80 4.53 0.00	57.49 5.08 0.00	58.58 5.33 0.00	61.12 5.00 0.00	64.31 5.26 0.00	60.75 4.40 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.45 3.44 0.00	40.20 3.55 0.00
RAVENSWOOD_GT3_1 24248	55.16 4.04 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.07 4.94 0.00	64.31 5.26 0.00	60.70 4.34 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.16 3.52 0.00
RAVENSWOOD_GT3_2 24249	55.16 4.04 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.07 4.94 0.00	64.31 5.26 0.00	60.70 4.34 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.16 3.52 0.00
RAVENSWOOD_GT3_3 24250	55.26 4.14 0.00	52.78 3.82 0.00	50.59 3.53 0.00	48.32 3.33 0.00	46.41 3.24 0.00	47.69 3.29 0.00	50.07 3.71 0.00	50.65 4.90 0.00	52.39 4.94 0.00	54.24 4.66 0.00	52.03 4.16 0.00	53.17 4.30 0.00	54.67 4.42 0.00	57.86 4.58 0.00	57.54 5.14 0.00	58.68 5.43 0.00	61.18 5.05 0.00	64.42 5.37 0.00	60.81 4.45 0.00	59.98 4.18 0.00	54.36 4.49 0.00	50.17 4.06 0.00	44.49 3.49 0.00	40.24 3.59 0.00
RAVENSWOOD_GT3_4 24251	55.26 4.14 0.00	52.78 3.82 0.00	50.59 3.53 0.00	48.32 3.33 0.00	46.41 3.24 0.00	47.69 3.29 0.00	50.07 3.71 0.00	50.65 4.90 0.00	52.39 4.94 0.00	54.24 4.66 0.00	52.03 4.16 0.00	53.17 4.30 0.00	54.67 4.42 0.00	57.86 4.58 0.00	57.54 5.14 0.00	58.68 5.43 0.00	61.18 5.05 0.00	64.42 5.37 0.00	60.81 4.45 0.00	59.98 4.18 0.00	54.36 4.49 0.00	50.17 4.06 0.00	44.49 3.49 0.00	40.24 3.59 0.00
RAVENSWOOD_GT_1 23729	55.42 4.29 -0.01	52.88 3.92 0.00	50.74 3.67 -0.01	48.46 3.46 0.00	46.54 3.37 0.00	47.73 3.33 0.00	50.07 3.71 0.00	50.65 4.90 0.00	52.39 4.94 0.00	54.24 4.66 0.00	52.03 4.16 0.00	53.17 4.30 0.00	54.62 4.37 0.00	57.80 4.53 0.00	57.55 5.14 0.00	58.63 5.38 0.00	61.07 4.94 0.00	64.13 5.08 0.00	60.59 4.23 0.00	59.76 3.96 0.00	54.21 4.34 0.00	50.13 4.01 0.00	44.54 3.53 0.00	40.39 3.74 -0.01
RAVENSWOOD_GT_10 24258	55.16 4.04 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.07 4.94 0.00	64.31 5.26 0.00	60.70 4.34 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.16 3.52 0.00
RAVENSWOOD_GT_11 24259	55.16 4.04 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.07 4.94 0.00	64.31 5.26 0.00	60.70 4.34 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.16 3.52 0.00
RAVENSWOOD_GT_4 24252	55.10 3.99 0.01	52.64 3.67 0.00	50.44 3.39 0.01	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.12 5.00 0.00	64.37 5.31 0.00	60.76 4.40 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.12 3.48 0.01
RAVENSWOOD_GT_5 24254	55.10 3.99 0.01	52.64 3.67 0.00	50.44 3.39 0.01	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.12 5.00 0.00	64.37 5.31 0.00	60.76 4.40 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.12 3.48 0.01
RAVENSWOOD_GT_6 24253	55.10 3.99 0.01	52.64 3.67 0.00	50.44 3.39 0.01	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.12 5.00 0.00	64.37 5.31 0.00	60.76 4.40 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.12 3.48 0.01
RAVENSWOOD_GT_7 24255	55.10 3.99 0.01	52.64 3.67 0.00	50.44 3.39 0.01	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.12 5.00 0.00	64.37 5.31 0.00	60.76 4.40 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.12 3.48 0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	55.16 4.04 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.07 4.94 0.00	64.31 5.26 0.00	60.70 4.34 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.16 3.52 0.00
RAVENSWOOD_GT_9 24257	55.16 4.04 0.00	52.69 3.72 0.00	50.49 3.44 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.60 3.20 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.15 4.56 0.00	51.94 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.07 4.94 0.00	64.31 5.26 0.00	60.70 4.34 0.00	59.87 4.07 0.00	54.26 4.39 0.00	50.08 3.97 0.00	44.41 3.40 0.00	40.16 3.52 0.00



RAVENSWOOD___1 23533	55.27 4.14 -0.01	52.79 3.82 0.00	50.69 3.62 -0.01	48.37 3.38 0.00	46.50 3.32 0.00	47.69 3.29 0.00	50.07 3.71 0.00	50.56 4.80 0.00	52.35 4.89 0.00	54.20 4.61 0.00	51.93 4.07 0.00	53.12 4.25 0.00	54.42 4.17 0.00	57.80 4.53 0.00	57.49 5.08 0.00	58.58 5.32 0.00	61.01 4.88 0.00	64.07 5.02 0.00	60.70 4.34 0.00	59.76 3.96 0.00	53.96 4.09 0.00	49.94 3.83 0.00	44.41 3.40 0.00	40.35 3.70 -0.01
RAVENSWOOD___2 23534	55.17 4.04 -0.01	52.68 3.72 0.00	50.55 3.48 -0.01	48.28 3.28 0.00	46.41 3.24 0.00	47.60 3.20 0.00	49.93 3.57 0.00	50.47 4.71 0.00	52.20 4.75 0.00	54.09 4.51 0.00	51.84 3.97 0.00	53.02 4.15 0.00	54.32 4.07 0.00	57.65 4.37 0.00	57.33 4.92 0.00	58.47 5.22 0.00	60.73 4.60 0.00	63.66 4.61 0.00	60.47 4.11 0.00	59.65 3.85 0.00	53.86 3.99 0.00	49.85 3.73 0.00	44.33 3.32 0.00	40.25 3.59 -0.01
RAVENSWOOD___3 23535	55.06 3.94 0.00	52.59 3.62 0.00	50.49 3.43 0.00	48.23 3.24 0.00	46.32 3.15 0.00	47.64 3.24 0.00	49.98 3.62 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.14 4.56 0.00	51.89 4.02 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	61.07 4.94 0.00	64.25 5.20 0.00	60.81 4.45 0.00	59.87 4.07 0.00	54.01 4.14 0.00	49.94 3.83 0.00	44.33 3.32 0.00	40.16 3.52 0.00
RAVENSWOOD___4 23820	55.27 4.14 -0.01	52.74 3.77 0.00	50.64 3.57 -0.01	48.32 3.33 0.00	46.45 3.28 0.00	47.69 3.29 0.00	50.02 3.66 0.00	50.56 4.80 0.00	52.30 4.84 0.00	54.19 4.61 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.42 4.17 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.53 5.27 0.00	60.95 4.83 0.00	64.07 5.02 0.00	60.64 4.28 0.00	59.76 3.96 0.00	53.91 4.04 0.00	49.94 3.83 0.00	44.41 3.40 0.00	40.32 3.66 -0.01
RCPL_TRUST___DRP 24196	55.21 4.09 0.00	52.73 3.77 0.00	50.54 3.48 0.00	48.28 3.28 0.00	46.37 3.19 0.00	47.69 3.29 0.00	50.02 3.66 0.00	50.70 4.94 0.00	52.44 4.98 0.00	54.29 4.71 0.00	52.08 4.21 0.00	53.22 4.35 0.00	54.72 4.47 0.00	57.91 4.64 0.00	57.60 5.19 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.48 5.43 0.00	60.87 4.51 0.00	59.98 4.18 0.00	54.31 4.44 0.00	50.13 4.01 0.00	44.45 3.44 0.00	40.16 3.52 0.00
RED___ROCHESTER 323720	51.99 0.87 0.00	49.50 0.54 0.00	47.15 0.09 0.00	44.90 -0.09 0.00	42.83 -0.35 0.00	44.27 -0.13 0.00	46.13 -0.23 0.00	45.57 -0.18 0.00	47.55 0.10 0.00	49.73 0.15 0.00	48.77 0.91 0.00	49.70 0.83 0.00	52.16 1.91 0.00	54.98 1.70 0.00	53.82 1.42 0.00	54.48 1.23 0.00	57.58 1.46 0.00	60.76 1.71 0.00	57.77 1.41 0.00	57.02 1.23 0.00	51.32 1.45 0.00	46.76 0.65 0.00	41.38 0.37 0.00	37.34 0.69 0.00
REGAN___SOLAR 323812	54.85 3.73 0.00	52.44 3.48 0.00	50.35 3.29 0.00	47.87 2.88 0.00	45.98 2.80 0.00	47.47 3.06 0.00	49.47 3.11 0.00	49.14 3.39 0.00	50.78 3.32 0.00	52.51 2.92 0.00	50.50 2.63 0.00	51.55 2.69 0.00	52.81 2.56 0.00	55.94 2.66 0.00	55.39 2.99 0.00	56.66 3.41 0.00	59.38 3.25 0.00	62.83 3.78 0.00	60.08 3.72 0.00	59.65 3.85 0.00	53.51 3.64 0.00	49.25 3.14 0.00	43.59 2.59 0.00	39.10 2.46 0.00
RENSSELAER___COGEN 23796	52.09 0.97 0.00	49.89 0.93 0.00	47.95 0.89 0.00	45.80 0.81 0.00	43.99 0.82 0.00	45.29 0.89 0.00	47.29 0.93 0.00	46.90 1.14 0.00	48.36 0.90 0.00	50.13 0.55 0.00	48.30 0.43 0.00	49.31 0.44 0.00	50.55 0.30 0.00	53.60 0.32 0.00	53.09 0.68 0.00	54.16 0.90 0.00	56.75 0.62 0.00	59.82 0.77 0.00	56.86 0.51 0.00	56.19 0.39 0.00	50.42 0.55 0.00	46.71 0.60 0.00	41.54 0.53 0.00	37.42 0.77 0.00
REPUBLIC_115KV_BARTNBK 55605	56.49 5.37 0.00	53.96 4.99 0.00	51.62 4.56 0.00	48.82 3.82 0.00	46.93 3.76 0.00	48.49 4.09 0.00	50.86 4.50 0.00	50.84 5.08 0.00	52.73 5.27 0.00	54.39 4.81 0.00	51.94 4.07 0.00	53.12 4.25 0.00	53.97 3.72 0.00	56.95 3.68 0.00	56.60 4.19 0.00	57.89 4.63 0.00	60.79 4.66 0.00	64.42 5.37 0.00	61.94 5.58 0.00	61.60 5.80 0.00	55.30 5.44 0.00	50.96 4.84 0.00	45.03 4.02 0.00	40.38 3.74 0.00
REVERE_CPPR_DRP 24186	53.11 1.99 0.00	50.83 1.86 0.00	48.80 1.74 0.00	46.66 1.66 0.00	44.73 1.55 0.00	46.00 1.60 0.00	47.98 1.62 0.00	47.82 2.06 0.00	49.63 2.14 -0.04	51.62 2.03 0.00	49.73 1.87 0.00	50.87 2.00 0.00	52.21 1.96 0.00	55.41 2.13 0.00	54.61 2.20 0.00	55.65 2.40 0.00	58.48 2.36 0.00	61.71 2.66 0.00	58.78 2.42 0.00	58.25 2.46 0.00	52.16 2.29 0.00	47.96 1.84 0.00	42.44 1.44 0.00	37.93 1.28 0.00
REYNLDPA_13_KV_LD 356490	50.61 -0.51 0.00	48.52 -0.44 0.00	46.73 -0.33 0.00	44.81 -0.18 0.00	43.00 -0.17 0.00	44.00 -0.40 0.00	45.94 -0.42 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.58 0.00 0.00	47.87 0.00 0.00	48.87 0.00 0.00	50.05 -0.20 0.00	53.17 -0.11 0.00	51.88 -0.52 0.00	52.67 -0.59 0.00	55.51 -0.62 0.00	58.22 -0.83 0.00	55.63 -0.73 0.00	55.41 -0.39 0.00	49.37 -0.50 0.00	46.02 -0.09 0.00	41.05 0.04 0.00	36.32 -0.33 0.00
REYNOLDS_115KV_TB3 80639	52.55 1.43 0.00	50.34 1.37 0.00	48.33 1.27 0.00	46.16 1.17 0.00	44.34 1.17 0.00	45.65 1.24 0.00	47.66 1.30 0.00	47.18 1.42 0.00	48.69 1.23 0.00	50.53 0.94 0.00	48.68 0.81 0.00	49.65 0.78 0.00	51.00 0.75 0.00	54.02 0.75 0.00	53.51 1.10 0.00	54.53 1.28 0.00	57.14 1.01 0.00	60.23 1.18 0.00	57.26 0.90 0.00	56.58 0.78 0.00	50.87 1.00 0.00	47.04 0.92 0.00	41.79 0.78 0.00	37.60 0.95 0.00
RIVERBAY____ 323610	56.39 5.27 -0.01	53.87 4.90 -0.01	51.54 4.47 -0.01	49.13 4.14 0.00	47.19 4.02 0.00	48.22 3.82 0.00	50.53 4.17 0.00	51.06 5.31 0.00	52.82 5.36 0.00	54.69 5.11 0.00	52.37 4.50 0.00	53.51 4.64 0.00	54.97 4.72 0.00	58.23 4.95 0.00	57.96 5.56 0.00	59.06 5.80 0.00	61.51 5.39 0.00	64.60 5.55 0.00	61.04 4.68 0.00	60.26 4.46 0.00	54.71 4.84 0.00	50.54 4.43 0.00	44.90 3.90 0.00	40.94 4.29 -0.01
RIVERSDE_115KV_TB3 55908	52.40 1.28 0.00	50.19 1.22 0.00	48.19 1.13 0.00	46.03 1.03 0.00	44.21 1.04 0.00	45.51 1.11 0.00	47.57 1.21 0.00	47.08 1.33 0.00	48.60 1.14 0.00	50.43 0.84 0.00	48.59 0.72 0.00	49.60 0.73 0.00	50.90 0.65 0.00	53.92 0.64 0.00	53.40 1.00 0.00	54.42 1.17 0.00	57.02 0.90 0.00	60.11 1.06 0.00	57.15 0.79 0.00	56.47 0.67 0.00	50.77 0.90 0.00	46.94 0.83 0.00	41.71 0.70 0.00	37.53 0.88 0.00
ROARING___BROOK_WT_PWR 323790	50.56 -0.56 0.00	48.52 -0.44 0.00	46.68 -0.38 0.00	44.72 -0.27 0.00	42.96 -0.21 0.00	44.14 -0.26 0.00	46.09 -0.28 0.00	45.62 -0.14 0.00	47.36 -0.09 0.00	49.48 -0.10 0.00	47.77 -0.10 0.00	48.77 -0.10 0.00	50.10 -0.15 0.00	53.12 -0.16 0.00	52.20 -0.21 0.00	52.99 -0.26 0.00	55.74 -0.39 0.00	58.58 -0.47 0.00	55.85 -0.51 0.00	55.35 -0.45 0.00	49.42 -0.45 0.00	45.74 -0.37 0.00	40.68 -0.33 0.00	36.28 -0.37 0.00



ROCHESRG_115KV_T4 355643	51.17 0.05 0.00	48.92 -0.05 0.00	46.63 -0.42 0.00	44.41 -0.58 0.00	42.40 -0.78 0.00	43.83 -0.58 0.00	45.62 -0.74 0.00	45.02 -0.73 0.00	46.89 -0.57 0.00	49.04 -0.55 0.00	47.96 0.10 0.00	48.87 0.00 0.00	50.85 0.60 0.00	54.08 0.80 0.00	53.04 0.63 0.00	53.57 0.32 0.00	56.58 0.45 0.00	59.64 0.59 0.00	56.92 0.56 0.00	56.19 0.39 0.00	50.02 0.15 0.00	45.84 -0.28 0.00	40.68 -0.33 0.00	36.87 0.22 0.00
ROCHESTER_9_IC 23652	51.53 0.41 0.00	49.21 0.24 0.00	46.92 -0.14 0.00	44.68 -0.31 0.00	42.61 -0.56 0.00	44.05 -0.36 0.00	45.90 -0.46 0.00	45.35 -0.41 0.00	47.27 -0.19 0.00	49.39 -0.20 0.00	48.35 0.48 0.00	49.26 0.39 0.00	51.31 1.06 0.00	54.50 1.23 0.00	53.46 1.05 0.00	54.00 0.75 0.00	57.02 0.90 0.00	60.11 1.06 0.00	57.37 1.01 0.00	56.58 0.78 0.00	50.37 0.50 0.00	46.16 0.05 0.00	40.93 -0.08 0.00	37.12 0.48 0.00
ROCKVIEW_13_KV_LD 356306	55.06 3.94 0.00	52.64 3.67 0.00	50.45 3.39 0.00	48.23 3.24 0.00	46.33 3.15 0.00	47.65 3.24 0.00	49.93 3.57 0.00	50.47 4.71 0.00	52.20 4.75 0.00	54.00 4.41 0.00	51.84 3.97 0.00	52.97 4.10 0.00	54.52 4.27 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	61.12 5.00 0.00	64.42 5.37 0.00	60.87 4.51 0.00	59.98 4.18 0.00	54.26 4.39 0.00	50.03 3.92 0.00	44.37 3.36 0.00	40.09 3.44 0.00
ROME____115KV_TB2 80656	53.11 1.99 0.00	50.83 1.86 0.00	48.80 1.74 0.00	46.66 1.66 0.00	44.73 1.55 0.00	46.00 1.60 0.00	47.98 1.62 0.00	47.82 2.06 0.00	49.63 2.14 -0.04	51.62 2.03 0.00	49.73 1.87 0.00	50.87 2.00 0.00	52.21 1.96 0.00	55.41 2.13 0.00	54.61 2.20 0.00	55.65 2.40 0.00	58.48 2.36 0.00	61.71 2.66 0.00	58.78 2.42 0.00	58.25 2.46 0.00	52.16 2.29 0.00	47.96 1.84 0.00	42.44 1.44 0.00	37.93 1.28 0.00
ROSETON___1 23587	53.83 2.71 0.00	51.56 2.59 0.00	49.50 2.45 0.00	47.29 2.29 0.00	45.46 2.29 0.00	46.76 2.35 0.00	48.91 2.55 0.00	49.33 3.57 0.00	50.97 3.51 0.00	52.80 3.22 0.00	50.69 2.82 0.00	51.85 2.98 0.00	53.16 2.91 0.00	56.47 3.20 0.00	56.08 3.67 0.00	57.19 3.94 0.00	59.72 3.60 0.00	62.95 3.90 0.00	59.68 3.32 0.00	58.81 3.01 0.00	52.96 3.09 0.00	48.97 2.86 0.00	43.43 2.42 0.00	39.25 2.60 0.00
ROSETON___2 23588	53.83 2.71 0.00	51.56 2.59 0.00	49.50 2.45 0.00	47.29 2.29 0.00	45.46 2.29 0.00	46.76 2.35 0.00	48.91 2.55 0.00	49.33 3.57 0.00	50.97 3.51 0.00	52.80 3.22 0.00	50.69 2.82 0.00	51.85 2.98 0.00	53.16 2.91 0.00	56.47 3.20 0.00	56.08 3.67 0.00	57.19 3.94 0.00	59.72 3.60 0.00	62.95 3.90 0.00	59.68 3.32 0.00	58.81 3.01 0.00	52.96 3.09 0.00	48.97 2.86 0.00	43.43 2.42 0.00	39.25 2.60 0.00
ROTRDAM_115KV_TB3 80664	52.86 1.74 0.00	50.63 1.66 0.00	48.66 1.60 0.00	46.43 1.44 0.00	44.60 1.42 0.00	45.91 1.51 0.00	47.94 1.58 0.00	47.59 1.83 0.00	49.17 1.71 0.00	51.07 1.49 0.00	49.16 1.29 0.00	50.24 1.37 0.00	51.61 1.36 0.00	54.66 1.39 0.00	54.03 1.62 0.00	55.06 1.81 0.00	57.81 1.68 0.00	60.94 1.89 0.00	58.05 1.69 0.00	57.42 1.62 0.00	51.56 1.70 0.00	47.64 1.52 0.00	42.24 1.23 0.00	37.93 1.28 0.00
RUSSELL___1 23602	51.84 0.72 0.00	49.50 0.54 0.00	47.15 0.09 0.00	44.86 -0.13 0.00	42.83 -0.35 0.00	44.27 -0.13 0.00	46.13 -0.23 0.00	45.57 -0.18 0.00	47.55 0.09 0.00	49.73 0.15 0.00	48.68 0.81 0.00	49.60 0.73 0.00	51.71 1.46 0.00	54.93 1.65 0.00	53.82 1.42 0.00	54.42 1.17 0.00	57.47 1.35 0.00	60.53 1.48 0.00	57.82 1.47 0.00	56.97 1.17 0.00	50.72 0.85 0.00	46.48 0.37 0.00	41.17 0.16 0.00	37.34 0.70 0.00
RUSSELL___2 23532	51.84 0.72 0.00	49.50 0.54 0.00	47.15 0.09 0.00	44.86 -0.13 0.00	42.83 -0.35 0.00	44.27 -0.13 0.00	46.13 -0.23 0.00	45.57 -0.18 0.00	47.55 0.09 0.00	49.73 0.15 0.00	48.68 0.81 0.00	49.60 0.73 0.00	51.71 1.46 0.00	54.93 1.65 0.00	53.82 1.42 0.00	54.42 1.17 0.00	57.47 1.35 0.00	60.53 1.48 0.00	57.82 1.47 0.00	56.97 1.17 0.00	50.72 0.85 0.00	46.48 0.37 0.00	41.17 0.16 0.00	37.34 0.70 0.00
RUSSELL___3 23549	51.84 0.72 0.00	49.50 0.54 0.00	47.15 0.09 0.00	44.86 -0.13 0.00	42.83 -0.35 0.00	44.27 -0.13 0.00	46.13 -0.23 0.00	45.57 -0.18 0.00	47.55 0.09 0.00	49.73 0.15 0.00	48.68 0.81 0.00	49.60 0.73 0.00	51.71 1.46 0.00	54.93 1.65 0.00	53.82 1.42 0.00	54.42 1.17 0.00	57.47 1.35 0.00	60.53 1.48 0.00	57.82 1.47 0.00	56.97 1.17 0.00	50.72 0.85 0.00	46.48 0.37 0.00	41.17 0.16 0.00	37.34 0.70 0.00
RUSSELL___4 23556	51.84 0.72 0.00	49.50 0.54 0.00	47.15 0.09 0.00	44.86 -0.13 0.00	42.83 -0.35 0.00	44.27 -0.13 0.00	46.13 -0.23 0.00	45.57 -0.18 0.00	47.55 0.09 0.00	49.73 0.15 0.00	48.68 0.81 0.00	49.60 0.73 0.00	51.71 1.46 0.00	54.93 1.65 0.00	53.82 1.42 0.00	54.42 1.17 0.00	57.47 1.35 0.00	60.53 1.48 0.00	57.82 1.47 0.00	56.97 1.17 0.00	50.72 0.85 0.00	46.48 0.37 0.00	41.17 0.16 0.00	37.34 0.70 0.00
RUSSELL___STATION 23914	51.84 0.72 0.00	49.50 0.54 0.00	47.15 0.09 0.00	44.86 -0.13 0.00	42.83 -0.35 0.00	44.27 -0.13 0.00	46.13 -0.23 0.00	45.57 -0.18 0.00	47.55 0.09 0.00	49.73 0.15 0.00	48.68 0.81 0.00	49.60 0.73 0.00	51.71 1.46 0.00	54.93 1.65 0.00	53.82 1.42 0.00	54.42 1.17 0.00	57.47 1.35 0.00	60.53 1.48 0.00	57.82 1.47 0.00	56.97 1.17 0.00	50.72 0.85 0.00	46.48 0.37 0.00	41.17 0.16 0.00	37.34 0.70 0.00
S SALMON___HYD 24043	50.97 -0.15 0.00	48.77 -0.20 0.00	46.78 -0.28 0.00	44.77 -0.22 0.00	42.87 -0.30 0.00	44.18 -0.22 0.00	46.09 -0.28 0.00	45.48 -0.27 0.00	47.31 -0.28 -0.14	49.19 -0.40 0.00	47.48 -0.38 0.00	48.53 -0.34 0.00	49.65 -0.60 0.00	52.64 -0.64 0.00	51.78 -0.63 0.00	52.77 -0.48 0.00	55.79 -0.33 0.00	58.82 -0.24 0.00	56.13 -0.22 0.00	55.63 -0.17 0.00	49.92 0.05 0.00	45.98 -0.14 0.00	40.80 -0.20 0.00	36.61 -0.04 0.00
S.PERRY__115KV_TB1 80734	51.89 0.77 0.00	49.41 0.44 0.00	47.06 0.00 0.00	44.77 -0.22 0.00	42.70 -0.47 0.00	44.27 -0.13 0.00	45.99 -0.37 0.00	45.53 -0.23 0.00	46.98 -0.47 0.00	48.94 -0.64 0.00	47.63 -0.24 0.00	48.33 -0.54 0.00	50.35 0.10 0.00	53.60 0.32 0.00	52.57 0.16 0.00	53.47 0.21 0.00	56.41 0.28 0.00	59.64 0.59 0.00	57.26 0.90 0.00	56.97 1.17 0.00	50.97 1.10 0.00	48.24 2.12 0.00	42.53 1.52 0.00	38.59 1.94 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	50.97 -0.15 0.00	48.67 -0.29 0.00	46.30 -0.75 0.00	44.09 -0.90 0.00	41.96 -1.21 0.00	43.47 -0.93 0.00	45.25 -1.11 0.00	44.38 -1.37 0.00	46.37 -1.09 0.00	48.54 -1.04 0.00	47.68 -0.19 0.00	48.48 -0.39 0.00	50.85 0.60 0.00	54.45 1.17 0.00	53.14 0.73 0.00	53.47 0.21 0.00	56.24 0.11 0.00	59.29 0.24 0.00	56.64 0.28 0.00	55.91 0.11 0.00	49.57 -0.30 0.00	45.28 -0.83 0.00	40.23 -0.78 0.00	36.90 0.26 0.00



SAWYER___23_KV_LOAD 55526	50.97 -0.15 0.00	48.67 -0.29 0.00	46.30 -0.75 0.00	44.09 -0.90 0.00	41.96 -1.21 0.00	43.47 -0.93 0.00	45.25 -1.11 0.00	44.38 -1.37 0.00	46.37 -1.09 0.00	48.54 -1.04 0.00	47.68 -0.19 0.00	48.48 -0.39 0.00	50.85 0.60 0.00	54.45 1.17 0.00	53.14 0.73 0.00	53.47 0.21 0.00	56.24 0.11 0.00	59.29 0.24 0.00	56.64 0.28 0.00	55.91 0.11 0.00	49.57 -0.30 0.00	45.28 -0.83 0.00	40.23 -0.78 0.00	36.90 0.26 0.00
SELKIRK___I 23801	52.55 1.43 0.00	50.33 1.37 0.00	48.47 1.41 0.00	46.25 1.26 0.00	44.43 1.25 0.00	45.69 1.29 0.00	47.66 1.30 0.00	47.18 1.42 0.00	48.65 1.19 0.00	50.48 0.89 0.00	48.59 0.72 0.00	49.60 0.73 0.00	50.86 0.61 0.00	53.92 0.64 0.00	53.35 0.94 0.00	54.42 1.17 0.00	57.08 0.95 0.00	60.17 1.12 0.00	57.32 0.96 0.00	56.69 0.89 0.00	50.81 0.95 0.00	47.08 0.97 0.00	41.83 0.82 0.00	37.67 1.02 0.00
SELKIRK___II 23799	52.30 1.18 0.00	50.09 1.13 0.00	48.18 1.13 0.00	46.03 1.04 0.00	44.21 1.03 0.00	45.51 1.11 0.00	47.52 1.16 0.00	47.13 1.37 0.00	48.60 1.14 0.00	50.43 0.84 0.00	48.59 0.72 0.00	49.60 0.73 0.00	50.90 0.65 0.00	53.97 0.69 0.00	53.40 0.99 0.00	54.42 1.17 0.00	57.08 0.95 0.00	60.17 1.12 0.00	57.21 0.85 0.00	56.52 0.72 0.00	50.72 0.85 0.00	46.95 0.83 0.00	41.70 0.70 0.00	37.56 0.92 0.00
SENECA OSWGO___HYD 24041	50.30 -0.82 0.00	48.08 -0.88 0.00	46.12 -0.94 0.00	44.05 -0.95 0.00	42.22 -0.95 0.00	43.52 -0.89 0.00	45.44 -0.93 0.00	44.71 -1.05 0.00	46.58 -1.09 -0.22	48.44 -1.14 0.00	46.91 -0.96 0.00	47.84 -1.03 0.00	49.19 -1.06 0.00	52.10 -1.17 0.00	51.31 -1.10 0.00	52.24 -1.01 0.00	55.40 -0.73 0.00	58.35 -0.71 0.00	55.62 -0.73 0.00	55.07 -0.73 0.00	49.32 -0.55 0.00	45.42 -0.69 0.00	40.27 -0.74 0.00	36.17 -0.48 0.00
SENECA___115KV_TB3 355854	51.48 0.36 0.00	49.16 0.20 0.00	46.73 -0.33 0.00	44.50 -0.49 0.00	42.35 -0.82 0.00	43.92 -0.49 0.00	45.71 -0.65 0.00	44.98 -0.78 0.00	46.98 -0.47 0.00	49.19 -0.40 0.00	48.20 0.34 0.00	49.11 0.24 0.00	51.51 1.26 0.00	55.19 1.92 0.00	53.82 1.42 0.00	54.21 0.96 0.00	56.91 0.79 0.00	60.06 1.00 0.00	57.32 0.96 0.00	56.58 0.78 0.00	50.17 0.30 0.00	45.84 -0.28 0.00	40.64 -0.37 0.00	37.27 0.62 0.00
SENECA___ENERGY 23797	51.53 0.41 0.00	49.21 0.25 0.00	47.15 0.09 0.00	44.95 -0.04 0.00	43.00 -0.17 0.00	44.45 0.04 0.00	46.36 0.00 0.00	45.99 0.23 0.00	47.75 0.24 -0.05	49.83 0.25 0.00	48.40 0.53 0.00	49.41 0.54 0.00	51.05 0.80 0.00	54.08 0.80 0.00	53.14 0.73 0.00	54.05 0.80 0.00	57.02 0.90 0.00	60.29 1.24 0.00	57.43 1.07 0.00	56.86 1.06 0.00	51.02 1.15 0.00	46.85 0.74 0.00	41.38 0.37 0.00	37.20 0.55 0.00
SHOEMAKER___GT 23640	53.68 2.55 0.00	51.36 2.40 0.00	49.32 2.26 0.00	47.11 2.12 0.00	45.20 2.03 0.00	46.54 2.13 0.00	48.68 2.32 0.00	49.23 3.48 0.00	50.83 3.37 0.00	52.66 3.08 0.00	50.59 2.73 0.00	51.75 2.88 0.00	53.11 2.86 0.00	56.42 3.14 0.00	55.97 3.57 0.00	57.14 3.89 0.00	59.66 3.54 0.00	62.89 3.84 0.00	59.68 3.32 0.00	58.86 3.07 0.00	52.96 3.09 0.00	48.83 2.72 0.00	43.30 2.30 0.00	39.14 2.49 0.00
SHOEMAKR_138KV_BK 111 55601	53.73 2.61 0.00	51.36 2.40 0.00	49.27 2.21 0.00	47.11 2.11 0.00	45.20 2.03 0.00	46.54 2.13 0.00	48.68 2.32 0.00	49.23 3.48 0.00	50.88 3.42 0.00	52.66 3.07 0.00	50.64 2.78 0.00	51.75 2.88 0.00	53.26 3.01 0.00	56.42 3.14 0.00	56.02 3.62 0.00	57.14 3.89 0.00	59.66 3.54 0.00	62.95 3.90 0.00	59.57 3.21 0.00	58.81 3.01 0.00	53.11 3.24 0.00	48.93 2.81 0.00	43.35 2.34 0.00	39.14 2.49 0.00
SHOREHAM_IC_1 23715	57.78 4.19 -2.47	54.07 5.09 -0.01	51.73 4.66 -0.01	49.41 4.41 -0.01	48.42 5.22 -0.03	49.78 5.37 -0.01	51.94 5.56 -0.02	52.55 6.77 -0.02	53.83 6.36 -0.01	55.15 5.55 -0.01	51.50 3.83 0.20	52.69 4.15 0.33	54.25 4.27 0.27	57.71 4.90 0.47	58.13 5.71 -0.01	64.60 5.86 -5.49	61.87 5.73 -0.01	65.38 6.32 0.00	60.85 5.07 0.58	59.82 4.58 0.55	54.60 4.84 0.10	49.57 3.46 0.00	45.04 4.02 -0.01	43.97 4.76 -2.56
SHOREHAM_IC_2 23716	58.24 4.65 -2.47	54.12 5.14 -0.01	51.67 4.61 0.00	49.40 4.41 0.00	48.42 5.22 -0.03	49.78 5.37 0.00	51.94 5.56 -0.01	52.59 6.82 -0.01	53.97 6.50 -0.01	55.15 5.55 -0.01	51.59 3.93 0.20	52.69 4.15 0.33	54.61 4.62 0.27	57.71 4.90 0.47	58.29 5.87 -0.01	64.87 6.12 -5.49	61.97 5.84 -0.01	65.43 6.38 0.00	60.90 5.13 0.58	59.99 4.74 0.55	54.85 5.09 0.10	50.36 4.24 0.00	45.19 4.18 0.00	43.97 4.76 -2.56
SISSONVILLE____ 23735	50.25 -0.87 0.00	48.18 -0.78 0.00	46.40 -0.66 0.00	44.54 -0.45 0.00	42.91 -0.26 0.00	43.96 -0.44 0.00	45.85 -0.51 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.53 -0.05 0.00	47.72 -0.14 0.00	48.82 -0.05 0.00	49.90 -0.35 0.00	53.01 -0.27 0.00	51.73 -0.68 0.00	52.35 -0.91 0.00	54.67 -1.46 0.00	57.34 -1.71 0.00	54.78 -1.58 0.00	54.63 -1.17 0.00	49.22 -0.65 0.00	46.02 -0.09 0.00	41.13 0.12 0.00	36.21 -0.44 0.00
SITHE_IND_GS1 24169	49.84 -1.28 0.00	47.64 -1.32 0.00	45.74 -1.32 0.00	43.69 -1.31 0.00	41.88 -1.29 0.00	43.12 -1.29 0.00	44.97 -1.39 0.00	44.34 -1.42 0.00	45.06 -1.47 0.93	48.05 -1.54 0.00	46.53 -1.34 0.00	47.45 -1.42 0.00	48.90 -1.35 0.00	51.78 -1.49 0.00	50.94 -1.47 0.00	51.82 -1.44 0.00	54.84 -1.29 0.00	57.81 -1.24 0.00	55.12 -1.24 0.00	54.52 -1.28 0.00	48.82 -1.05 0.00	45.01 -1.11 0.00	39.90 -1.11 0.00	35.80 -0.84 0.00
SITHE_IND_GS2 24170	49.84 -1.28 0.00	47.64 -1.32 0.00	45.74 -1.32 0.00	43.69 -1.31 0.00	41.88 -1.29 0.00	43.12 -1.29 0.00	44.97 -1.39 0.00	44.34 -1.42 0.00	45.06 -1.47 0.93	48.05 -1.54 0.00	46.53 -1.34 0.00	47.45 -1.42 0.00	48.90 -1.35 0.00	51.78 -1.49 0.00	50.94 -1.47 0.00	51.82 -1.44 0.00	54.84 -1.29 0.00	57.81 -1.24 0.00	55.12 -1.24 0.00	54.52 -1.28 0.00	48.82 -1.05 0.00	45.01 -1.11 0.00	39.90 -1.11 0.00	35.80 -0.84 0.00
SITHE_IND_GS3 24171	49.84 -1.28 0.00	47.64 -1.32 0.00	45.74 -1.32 0.00	43.69 -1.31 0.00	41.88 -1.29 0.00	43.12 -1.29 0.00	44.97 -1.39 0.00	44.34 -1.42 0.00	45.06 -1.47 0.93	48.05 -1.54 0.00	46.53 -1.34 0.00	47.45 -1.42 0.00	48.90 -1.35 0.00	51.78 -1.49 0.00	50.94 -1.47 0.00	51.82 -1.44 0.00	54.84 -1.29 0.00	57.81 -1.24 0.00	55.12 -1.24 0.00	54.52 -1.28 0.00	48.82 -1.05 0.00	45.01 -1.11 0.00	39.90 -1.11 0.00	35.80 -0.84 0.00
SITHE_IND_GS4 24172	49.84 -1.28 0.00	47.64 -1.32 0.00	45.74 -1.32 0.00	43.69 -1.31 0.00	41.88 -1.29 0.00	43.12 -1.29 0.00	44.97 -1.39 0.00	44.34 -1.42 0.00	45.06 -1.47 0.93	48.05 -1.54 0.00	46.53 -1.34 0.00	47.45 -1.42 0.00	48.90 -1.35 0.00	51.78 -1.49 0.00	50.94 -1.47 0.00	51.82 -1.44 0.00	54.84 -1.29 0.00	57.81 -1.24 0.00	55.12 -1.24 0.00	54.52 -1.28 0.00	48.82 -1.05 0.00	45.01 -1.11 0.00	39.90 -1.11 0.00	35.80 -0.84 0.00



SITHE___BATAVIA 24024	52.60 1.48 0.00	49.99 1.03 0.00	47.48 0.42 0.00	45.17 0.18 0.00	43.00 -0.17 0.00	44.54 0.13 0.00	46.36 0.00 0.00	46.03 0.28 0.00	48.03 0.57 0.00	49.98 0.39 0.00	49.26 1.39 0.00	50.14 1.27 0.00	53.11 2.86 0.00	55.94 2.66 0.00	54.51 2.10 0.00	54.85 1.60 0.00	57.92 1.80 0.00	61.29 2.24 0.00	58.38 2.03 0.00	57.64 1.84 0.00	52.01 2.14 0.00	47.18 1.06 0.00	41.70 0.70 0.00	37.82 1.17 0.00
SITHE___INDEPEND 23800	49.79 -1.33 0.00	47.64 -1.32 0.00	45.74 -1.32 0.00	43.69 -1.30 0.00	41.88 -1.30 0.00	43.12 -1.29 0.00	44.97 -1.39 0.00	44.34 -1.42 0.00	45.13 -1.47 0.85	48.05 -1.54 0.00	46.48 -1.39 0.00	47.45 -1.42 0.00	48.84 -1.41 0.00	51.84 -1.44 0.00	50.99 -1.42 0.00	51.81 -1.44 0.00	54.89 -1.23 0.00	57.81 -1.24 0.00	55.12 -1.24 0.00	54.57 -1.23 0.00	48.77 -1.10 0.00	44.96 -1.15 0.00	39.90 -1.11 0.00	35.80 -0.84 0.00
SITHE___MASSENA 23902	50.51 -0.61 0.00	48.52 -0.44 0.00	46.68 -0.38 0.00	44.72 -0.27 0.00	42.96 -0.21 0.00	44.00 -0.40 0.00	45.90 -0.46 0.00	45.44 -0.32 0.00	47.27 -0.19 0.00	49.53 -0.05 0.00	47.77 -0.10 0.00	48.72 -0.15 0.00	50.00 -0.25 0.00	53.12 -0.16 0.00	51.94 -0.47 0.00	52.56 -0.69 0.00	55.34 -0.79 0.00	58.05 -1.00 0.00	55.45 -0.90 0.00	55.29 -0.50 0.00	49.32 -0.55 0.00	46.02 -0.09 0.00	41.09 0.08 0.00	36.28 -0.37 0.00
SITHE___OGDNSBRG 24021	51.12 0.00 0.00	49.01 0.05 0.00	47.20 0.14 0.00	45.26 0.27 0.00	43.52 0.35 0.00	44.54 0.13 0.00	46.41 0.05 0.00	45.94 0.18 0.00	47.74 0.28 0.00	49.88 0.30 0.00	48.06 0.19 0.00	49.11 0.24 0.00	50.20 -0.05 0.00	53.33 0.05 0.00	52.09 -0.31 0.00	52.83 -0.43 0.00	55.51 -0.62 0.00	58.28 -0.77 0.00	55.85 -0.51 0.00	55.80 0.00 0.00	50.02 0.15 0.00	46.67 0.55 0.00	41.62 0.62 0.00	36.65 0.00 0.00
SITHE___STERLING 23777	52.76 1.64 0.00	50.43 1.47 0.00	48.42 1.37 0.00	46.25 1.26 0.00	44.34 1.17 0.00	45.65 1.24 0.00	47.61 1.25 0.00	47.40 1.64 0.00	49.16 1.71 0.00	51.17 1.59 0.00	49.40 1.53 0.00	50.48 1.61 0.00	51.91 1.66 0.00	55.03 1.76 0.00	54.24 1.83 0.00	55.28 2.02 0.00	58.04 1.91 0.00	61.29 2.24 0.00	58.38 2.03 0.00	57.80 2.01 0.00	51.81 1.94 0.00	47.63 1.52 0.00	42.15 1.15 0.00	37.74 1.10 0.00
SLEIGHT__34_KV_TB1 80719	51.22 0.10 0.00	48.87 -0.10 0.00	46.73 -0.33 0.00	44.50 -0.49 0.00	42.53 -0.65 0.00	43.96 -0.44 0.00	45.81 -0.56 0.00	45.30 -0.46 0.00	47.17 -0.28 0.00	49.34 -0.25 0.00	48.11 0.24 0.00	49.01 0.15 0.00	50.80 0.55 0.00	53.92 0.64 0.00	52.93 0.52 0.00	53.68 0.43 0.00	56.69 0.56 0.00	59.76 0.71 0.00	57.04 0.68 0.00	56.30 0.50 0.00	50.22 0.35 0.00	46.07 -0.05 0.00	40.80 -0.21 0.00	36.87 0.22 0.00
SMITHTWN_69_KV_BK 1 55830	58.30 4.81 -2.37	53.98 4.99 -0.02	51.86 4.80 0.00	49.63 4.63 0.00	48.05 4.84 -0.04	49.38 4.97 0.00	51.58 5.19 -0.02	52.18 6.41 -0.02	53.60 6.12 -0.02	54.76 5.16 -0.02	51.14 3.64 0.37	52.10 3.86 0.63	54.08 4.32 0.50	56.94 4.53 0.87	57.78 5.50 0.13	67.26 5.64 -8.37	61.38 5.39 0.13	64.56 5.73 0.22	59.90 4.62 1.08	59.13 4.35 1.02	54.35 4.69 0.20	50.54 4.43 0.00	45.72 4.72 0.00	44.12 4.91 -2.56
SOUTH CAIRO___GT 23612	53.83 2.71 0.00	51.56 2.60 0.00	49.36 2.31 0.00	46.97 1.98 0.00	45.03 1.86 0.00	46.49 2.09 0.00	48.49 2.13 0.00	47.91 2.15 0.00	49.26 1.80 0.00	50.77 1.19 0.00	49.02 1.15 0.00	49.89 1.03 0.00	51.10 0.85 0.00	54.13 0.85 0.00	53.61 1.21 0.00	54.74 1.49 0.00	57.47 1.35 0.00	60.94 1.89 0.00	58.11 1.75 0.00	57.64 1.84 0.00	51.76 1.90 0.00	47.87 1.75 0.00	42.53 1.52 0.00	38.30 1.65 0.00
SOUTH HAMPTN___IC 23720	59.04 5.47 -2.45	55.19 6.22 -0.01	52.71 5.64 -0.01	50.26 5.26 -0.01	48.99 5.79 -0.02	50.23 5.82 -0.01	52.40 6.02 -0.02	53.09 7.32 -0.02	54.45 6.98 -0.01	55.84 6.25 -0.01	52.14 4.45 0.18	53.36 4.79 0.30	55.03 5.02 0.24	58.66 5.81 0.43	59.02 6.60 -0.01	65.28 6.76 -5.26	62.76 6.62 -0.01	66.38 7.32 0.00	61.69 5.86 0.53	60.60 5.30 0.50	55.26 5.49 0.09	50.17 4.06 0.00	45.53 4.51 -0.01	44.41 5.20 -2.56
SOUTHDOWN_115KV_TB1 355954	52.50 1.38 0.00	50.14 1.18 0.00	47.53 0.47 0.00	45.31 0.31 0.00	43.13 -0.04 0.00	44.85 0.44 0.00	46.83 0.46 0.00	46.49 0.73 0.00	48.74 1.28 0.00	51.02 1.44 0.00	49.83 1.96 0.00	50.82 1.95 0.00	53.32 3.07 0.00	57.17 3.89 0.00	55.76 3.35 0.00	56.29 3.04 0.00	58.88 2.75 0.00	62.00 2.95 0.00	59.23 2.87 0.00	58.59 2.79 0.00	51.96 2.09 0.00	47.59 1.48 0.00	41.75 0.74 0.00	38.19 1.54 0.00
SOUTHOLD_69_KV_BK 2 55809	60.93 7.36 -2.45	56.52 7.54 -0.01	53.74 6.68 0.00	51.16 6.16 0.00	49.54 6.35 -0.02	50.62 6.22 0.00	52.82 6.44 -0.01	53.59 7.82 -0.01	55.20 7.74 -0.01	56.49 6.89 -0.01	52.57 4.88 0.18	53.75 5.18 0.30	55.98 5.98 0.24	59.30 6.45 0.43	59.97 7.55 -0.01	66.24 7.72 -5.26	63.71 7.58 -0.01	67.26 8.21 0.00	62.42 6.59 0.53	61.37 6.08 0.51	55.96 6.18 0.09	51.23 5.12 0.00	45.85 4.84 0.00	44.74 5.53 -2.56
SOUTHOLD___IC 23719	60.47 6.90 -2.45	56.47 7.49 -0.01	53.79 6.73 -0.01	51.17 6.16 -0.01	49.55 6.35 -0.02	50.63 6.22 -0.01	52.82 6.44 -0.02	53.55 7.78 -0.02	55.02 7.55 -0.01	56.44 6.84 -0.01	52.47 4.79 0.18	53.80 5.23 0.30	55.58 5.58 0.24	59.35 6.50 0.43	59.75 7.34 -0.01	66.03 7.51 -5.26	63.54 7.41 -0.01	67.26 8.21 0.00	62.36 6.53 0.53	61.15 5.86 0.51	55.76 5.98 0.09	50.50 4.38 0.00	45.73 4.71 -0.01	44.71 5.50 -2.56
SOUTH_FORK_WT_PWR 323839	60.63 7.06 -2.45	56.56 7.59 -0.01	53.89 6.82 -0.01	51.12 6.12 -0.01	49.37 6.17 -0.02	50.32 5.91 -0.01	52.50 6.12 -0.02	53.24 7.46 -0.02	54.68 7.21 -0.01	56.14 6.54 -0.01	51.99 4.31 0.18	53.26 4.69 0.30	55.13 5.13 0.24	58.92 6.07 0.43	59.39 6.97 -0.01	65.60 7.08 -5.26	63.09 6.96 -0.01	66.79 7.73 0.00	61.86 6.03 0.53	60.65 5.36 0.50	55.26 5.49 0.09	49.99 3.87 0.00	45.28 4.26 -0.01	44.49 5.28 -2.56
SPIERFLS_115KV_TB 1 80737	53.68 2.56 0.00	51.32 2.35 0.00	49.22 2.16 0.00	46.79 1.80 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.36 1.99 0.00	48.27 2.52 0.00	49.97 2.52 0.00	51.81 2.23 0.00	49.40 1.53 0.00	50.53 1.66 0.00	51.61 1.36 0.00	54.45 1.17 0.00	54.03 1.62 0.00	55.17 1.92 0.00	57.87 1.74 0.00	61.18 2.13 0.00	58.78 2.42 0.00	58.20 2.40 0.00	52.41 2.54 0.00	48.28 2.17 0.00	42.85 1.85 0.00	38.48 1.83 0.00
ST LAWRENCE____ 23600	50.10 -1.02 0.00	48.13 -0.83 0.00	46.26 -0.80 0.00	44.27 -0.72 0.00	42.53 -0.65 0.00	43.56 -0.85 0.00	45.44 -0.93 0.00	44.98 -0.78 0.00	46.79 -0.66 0.00	49.04 -0.54 0.00	47.39 -0.48 0.00	48.28 -0.58 0.00	49.55 -0.70 0.00	52.58 -0.69 0.00	51.52 -0.89 0.00	52.19 -1.06 0.00	55.06 -1.07 0.00	57.70 -1.36 0.00	55.23 -1.13 0.00	54.90 -0.89 0.00	48.92 -0.95 0.00	45.56 -0.55 0.00	40.60 -0.41 0.00	35.91 -0.73 0.00



STATE_CA_115KV_115_LB 55624	52.50 1.38 0.00	50.24 1.27 0.00	48.28 1.22 0.00	46.07 1.08 0.00	44.25 1.08 0.00	45.56 1.15 0.00	47.61 1.25 0.00	47.18 1.42 0.00	48.74 1.28 0.00	50.53 0.94 0.00	48.73 0.86 0.00	49.70 0.83 0.00	51.00 0.75 0.00	54.02 0.75 0.00	53.51 1.10 0.00	54.58 1.33 0.00	57.19 1.07 0.00	60.29 1.24 0.00	57.26 0.90 0.00	56.64 0.84 0.00	50.87 1.00 0.00	47.08 0.97 0.00	41.83 0.82 0.00	37.64 0.99 0.00
STATE_ST_34_KV_LOAD 55959	51.68 0.56 0.00	49.36 0.39 0.00	47.34 0.28 0.00	45.17 0.18 0.00	43.26 0.09 0.00	44.63 0.22 0.00	46.55 0.19 0.00	46.17 0.41 0.00	47.91 0.33 -0.12	49.98 0.40 0.00	48.44 0.57 0.00	49.40 0.54 0.00	50.90 0.65 0.00	54.02 0.75 0.00	53.19 0.79 0.00	54.10 0.85 0.00	57.19 1.07 0.00	60.35 1.30 0.00	57.60 1.24 0.00	56.97 1.17 0.00	50.97 1.10 0.00	46.85 0.74 0.00	41.46 0.45 0.00	37.27 0.62 0.00
STATION_5_MISC_HYD 23604	51.68 0.56 0.00	49.21 0.25 0.00	46.92 -0.14 0.00	44.68 -0.31 0.00	42.61 -0.56 0.00	44.05 -0.36 0.00	45.90 -0.46 0.00	45.34 -0.41 0.00	47.27 -0.19 0.00	49.39 -0.20 0.00	48.44 0.58 0.00	49.36 0.49 0.00	51.81 1.56 0.00	54.61 1.33 0.00	53.40 0.99 0.00	54.05 0.80 0.00	57.14 1.01 0.00	60.29 1.24 0.00	57.37 1.02 0.00	56.58 0.78 0.00	50.92 1.05 0.00	46.48 0.37 0.00	41.13 0.12 0.00	37.12 0.48 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	51.43 0.31 0.00	49.16 0.20 0.00	46.96 -0.09 0.00	44.72 -0.27 0.00	42.74 -0.43 0.00	44.18 -0.22 0.00	46.08 -0.28 0.00	45.62 -0.14 0.00	47.46 0.00 0.00	49.58 0.00 0.00	48.35 0.48 0.00	49.26 0.39 0.00	51.05 0.80 0.00	54.24 0.96 0.00	53.25 0.84 0.00	53.94 0.69 0.00	56.91 0.79 0.00	60.06 1.00 0.00	57.32 0.96 0.00	56.58 0.78 0.00	50.47 0.60 0.00	46.35 0.23 0.00	41.05 0.04 0.00	37.09 0.44 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	51.22 0.10 0.00	48.92 -0.05 0.00	46.63 -0.42 0.00	44.41 -0.58 0.00	42.40 -0.78 0.00	43.83 -0.58 0.00	45.67 -0.70 0.00	45.12 -0.64 0.00	47.03 -0.43 0.00	49.19 -0.40 0.00	48.11 0.24 0.00	49.01 0.15 0.00	51.00 0.75 0.00	54.18 0.91 0.00	53.14 0.73 0.00	53.73 0.48 0.00	56.74 0.62 0.00	59.82 0.77 0.00	57.09 0.73 0.00	56.30 0.50 0.00	50.07 0.20 0.00	45.93 -0.18 0.00	40.72 -0.29 0.00	36.90 0.26 0.00
STA_56___34_KV_BUS2 355983	51.22 0.10 0.00	48.92 -0.05 0.00	46.63 -0.42 0.00	44.41 -0.58 0.00	42.40 -0.78 0.00	43.83 -0.58 0.00	45.67 -0.70 0.00	45.12 -0.64 0.00	47.03 -0.43 0.00	49.19 -0.40 0.00	48.11 0.24 0.00	49.01 0.15 0.00	51.00 0.75 0.00	54.18 0.91 0.00	53.14 0.73 0.00	53.73 0.48 0.00	56.74 0.62 0.00	59.82 0.77 0.00	57.09 0.73 0.00	56.30 0.50 0.00	50.07 0.20 0.00	45.93 -0.18 0.00	40.72 -0.29 0.00	36.90 0.26 0.00
STA_67___115KV_BK2 355882	51.38 0.26 0.00	49.06 0.10 0.00	46.82 -0.24 0.00	44.54 -0.45 0.00	42.53 -0.65 0.00	43.96 -0.44 0.00	45.81 -0.56 0.00	45.21 -0.55 0.00	47.13 -0.33 0.00	49.24 -0.35 0.00	48.20 0.34 0.00	49.06 0.20 0.00	51.10 0.85 0.00	54.34 1.07 0.00	53.25 0.84 0.00	53.84 0.59 0.00	56.86 0.73 0.00	59.88 0.83 0.00	57.20 0.85 0.00	56.41 0.61 0.00	50.22 0.35 0.00	46.02 -0.09 0.00	40.84 -0.16 0.00	37.01 0.37 0.00
STA_7___115KV_9TRANS 80674	51.84 0.72 0.00	49.50 0.54 0.00	47.15 0.09 0.00	44.86 -0.13 0.00	42.83 -0.35 0.00	44.27 -0.13 0.00	46.13 -0.23 0.00	45.57 -0.18 0.00	47.55 0.09 0.00	49.73 0.15 0.00	48.68 0.81 0.00	49.60 0.73 0.00	51.71 1.46 0.00	54.93 1.65 0.00	53.82 1.42 0.00	54.42 1.17 0.00	57.47 1.35 0.00	60.53 1.48 0.00	57.82 1.47 0.00	56.97 1.17 0.00	50.72 0.85 0.00	46.48 0.37 0.00	41.17 0.16 0.00	37.34 0.70 0.00
STA_82___115KV_TB1 80780	51.43 0.31 0.00	49.11 0.15 0.00	46.82 -0.24 0.00	44.54 -0.45 0.00	42.53 -0.65 0.00	43.96 -0.44 0.00	45.81 -0.56 0.00	45.21 -0.55 0.00	47.13 -0.33 0.00	49.29 -0.30 0.00	48.20 0.34 0.00	49.11 0.24 0.00	51.15 0.90 0.00	54.34 1.07 0.00	53.25 0.84 0.00	53.84 0.59 0.00	56.86 0.73 0.00	59.94 0.89 0.00	57.20 0.85 0.00	56.41 0.61 0.00	50.22 0.35 0.00	46.07 -0.05 0.00	40.84 -0.16 0.00	37.05 0.40 0.00
STEEL___WIND 323596	51.63 0.51 0.00	49.11 0.15 0.00	46.68 -0.38 0.00	44.50 -0.49 0.00	42.31 -0.86 0.00	43.87 -0.53 0.00	45.67 -0.69 0.00	44.93 -0.82 0.00	46.94 -0.52 0.00	49.14 -0.45 0.00	48.30 0.43 0.00	49.21 0.34 0.00	52.21 1.96 0.00	55.25 1.97 0.00	53.72 1.31 0.00	54.21 0.96 0.00	56.91 0.79 0.00	60.41 1.36 0.00	57.26 0.90 0.00	56.52 0.72 0.00	50.96 1.10 0.00	46.25 0.14 0.00	40.93 -0.08 0.00	37.23 0.58 0.00
STEPHTWN_115KV_BK_2 55603	52.76 1.64 0.00	50.48 1.52 0.00	48.47 1.41 0.00	46.21 1.21 0.00	44.38 1.21 0.00	45.74 1.33 0.00	47.80 1.44 0.00	47.40 1.65 0.00	48.93 1.47 0.00	50.72 1.14 0.00	48.87 1.01 0.00	49.89 1.03 0.00	51.20 0.95 0.00	54.18 0.91 0.00	53.72 1.31 0.00	54.80 1.54 0.00	57.42 1.29 0.00	60.59 1.54 0.00	57.60 1.24 0.00	56.91 1.12 0.00	51.12 1.25 0.00	47.31 1.20 0.00	42.03 1.03 0.00	37.78 1.14 0.00
STEUBEN_REC_LFGE 323667	52.60 1.48 0.00	50.19 1.22 0.00	47.86 0.80 0.00	45.58 0.58 0.00	43.48 0.30 0.00	45.11 0.71 0.00	46.92 0.56 0.00	46.81 1.05 0.00	48.55 1.09 0.00	50.67 1.09 0.00	49.30 1.44 0.00	50.19 1.32 0.00	52.11 1.86 0.00	55.62 2.34 0.00	54.50 2.10 0.00	55.28 2.02 0.00	57.81 1.68 0.00	61.24 2.18 0.00	58.67 2.31 0.00	58.20 2.40 0.00	51.96 2.09 0.00	47.73 1.61 0.00	42.03 1.03 0.00	38.19 1.54 0.00
STILLWATER___SOLAR 323814	53.78 2.66 0.00	51.46 2.50 0.00	49.41 2.35 0.00	47.06 2.07 0.00	45.25 2.07 0.00	46.58 2.18 0.00	48.59 2.23 0.00	48.46 2.70 0.00	50.07 2.61 0.00	51.96 2.38 0.00	49.83 1.96 0.00	50.97 2.10 0.00	52.11 1.86 0.00	55.25 1.97 0.00	54.77 2.36 0.00	55.86 2.61 0.00	58.59 2.47 0.00	61.83 2.78 0.00	59.12 2.76 0.00	58.42 2.62 0.00	52.46 2.59 0.00	48.42 2.30 0.00	42.94 1.93 0.00	38.62 1.98 0.00
STONY___BROOK 24151	58.02 4.45 -2.45	53.98 5.00 -0.02	51.91 4.85 -0.01	49.64 4.64 -0.01	48.08 4.88 -0.03	49.47 5.06 -0.01	51.62 5.24 -0.02	52.19 6.41 -0.02	53.45 5.98 -0.02	54.80 5.20 -0.02	51.14 3.54 0.27	52.27 3.86 0.46	53.80 3.92 0.37	57.11 4.48 0.64	57.56 5.14 -0.02	65.17 5.16 -6.76	61.08 4.94 -0.02	64.55 5.49 0.00	59.84 4.28 0.80	58.94 3.90 0.76	54.16 4.44 0.15	49.99 3.87 0.00	45.61 4.59 -0.01	44.16 4.95 -2.56
STURGEON_POOL_HYD 23609	54.19 3.07 0.00	51.85 2.89 0.00	49.69 2.64 0.00	47.51 2.52 0.00	45.59 2.42 0.00	46.94 2.53 0.00	49.05 2.69 0.00	49.42 3.66 0.00	51.02 3.56 0.00	52.81 3.22 0.00	50.79 2.92 0.00	51.90 3.03 0.00	53.37 3.12 0.00	56.58 3.30 0.00	56.13 3.72 0.00	57.30 4.05 0.00	59.83 3.70 0.00	63.07 4.02 0.00	59.68 3.33 0.00	58.87 3.07 0.00	53.16 3.29 0.00	49.02 2.91 0.00	43.47 2.46 0.00	39.25 2.60 0.00



ST_LAW_115_BK7_LBMP 345037	50.04 -1.08 0.00	48.08 -0.88 0.00	46.21 -0.85 0.00	44.27 -0.72 0.00	42.53 -0.65 0.00	43.52 -0.89 0.00	45.44 -0.93 0.00	44.98 -0.78 0.00	46.79 -0.66 0.00	49.04 -0.54 0.00	47.34 -0.53 0.00	48.23 -0.64 0.00	49.50 -0.75 0.00	52.53 -0.75 0.00	51.47 -0.94 0.00	52.13 -1.12 0.00	54.95 -1.18 0.00	57.63 -1.42 0.00	55.12 -1.24 0.00	54.85 -0.95 0.00	48.87 -1.00 0.00	45.51 -0.60 0.00	40.60 -0.41 0.00	35.91 -0.73 0.00
ST_LAW_115_BK8_LBMP 345038	50.04 -1.08 0.00	48.08 -0.88 0.00	46.21 -0.85 0.00	44.27 -0.72 0.00	42.53 -0.65 0.00	43.52 -0.89 0.00	45.44 -0.93 0.00	44.98 -0.78 0.00	46.79 -0.66 0.00	49.04 -0.54 0.00	47.34 -0.53 0.00	48.23 -0.64 0.00	49.50 -0.75 0.00	52.53 -0.75 0.00	51.47 -0.94 0.00	52.13 -1.12 0.00	54.95 -1.18 0.00	57.63 -1.42 0.00	55.12 -1.24 0.00	54.85 -0.95 0.00	48.87 -1.00 0.00	45.51 -0.60 0.00	40.60 -0.41 0.00	35.91 -0.73 0.00
ST_LAW_230_BK5_LBMP 345035	50.10 -1.02 0.00	48.13 -0.83 0.00	46.26 -0.80 0.00	44.27 -0.72 0.00	42.53 -0.65 0.00	43.56 -0.85 0.00	45.44 -0.93 0.00	44.98 -0.78 0.00	46.79 -0.66 0.00	49.04 -0.54 0.00	47.39 -0.48 0.00	48.28 -0.58 0.00	49.55 -0.70 0.00	52.58 -0.69 0.00	51.52 -0.89 0.00	52.19 -1.06 0.00	55.06 -1.07 0.00	57.70 -1.36 0.00	55.23 -1.13 0.00	54.90 -0.89 0.00	48.92 -0.95 0.00	45.56 -0.55 0.00	40.60 -0.41 0.00	35.91 -0.73 0.00
ST_LAW_230_BK6_LBMP 345036	50.10 -1.02 0.00	48.13 -0.83 0.00	46.26 -0.80 0.00	44.27 -0.72 0.00	42.53 -0.65 0.00	43.56 -0.85 0.00	45.44 -0.93 0.00	44.98 -0.78 0.00	46.79 -0.66 0.00	49.04 -0.54 0.00	47.39 -0.48 0.00	48.28 -0.58 0.00	49.55 -0.70 0.00	52.58 -0.69 0.00	51.52 -0.89 0.00	52.19 -1.06 0.00	55.06 -1.07 0.00	57.70 -1.36 0.00	55.23 -1.13 0.00	54.90 -0.89 0.00	48.92 -0.95 0.00	45.56 -0.55 0.00	40.60 -0.41 0.00	35.91 -0.73 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	53.98 2.86 0.00	51.66 2.69 0.00	49.50 2.45 0.00	47.33 2.34 0.00	45.46 2.29 0.00	46.76 2.35 0.00	48.91 2.55 0.00	49.51 3.75 0.00	51.16 3.70 0.00	52.96 3.37 0.00	50.93 3.06 0.00	52.09 3.23 0.00	53.62 3.37 0.00	56.79 3.52 0.00	56.39 3.98 0.00	57.57 4.31 0.00	60.06 3.93 0.00	63.30 4.25 0.00	59.91 3.55 0.00	59.09 3.29 0.00	53.36 3.49 0.00	49.20 3.09 0.00	43.59 2.58 0.00	39.36 2.71 0.00
SWANROAD_115KV_TB1 355699	50.40 -0.72 0.00	48.13 -0.83 0.00	45.69 -1.36 0.00	43.51 -1.48 0.00	41.40 -1.77 0.00	42.89 -1.51 0.00	44.60 -1.76 0.00	43.70 -2.06 0.00	45.61 -1.85 0.00	47.70 -1.88 0.00	46.91 -0.96 0.00	47.69 -1.17 0.00	50.05 -0.20 0.00	53.60 0.32 0.00	52.25 -0.16 0.00	52.45 -0.80 0.00	55.28 -0.84 0.00	58.34 -0.71 0.00	55.68 -0.68 0.00	54.96 -0.84 0.00	48.77 -1.10 0.00	44.55 -1.57 0.00	39.65 -1.35 0.00	36.39 -0.26 0.00
SYNERGY___BIOGAS 323694	52.40 1.28 0.00	49.99 1.03 0.00	47.48 0.42 0.00	45.13 0.13 0.00	42.96 -0.22 0.00	44.54 0.13 0.00	46.36 0.00 0.00	46.03 0.27 0.00	47.98 0.52 0.00	49.93 0.35 0.00	49.11 1.24 0.00	49.99 1.12 0.00	52.36 2.11 0.00	55.78 2.50 0.00	54.50 2.10 0.00	54.80 1.54 0.00	57.75 1.63 0.00	61.00 1.95 0.00	58.39 2.03 0.00	57.58 1.79 0.00	51.12 1.25 0.00	46.71 0.60 0.00	41.42 0.41 0.00	37.82 1.17 0.00
SYRACUSE___ENERGY_ST1 323597	51.22 0.10 0.00	48.96 0.00 0.00	46.96 -0.09 0.00	44.86 -0.13 0.00	42.96 -0.22 0.00	44.27 -0.13 0.00	46.22 -0.14 0.00	45.53 -0.23 0.00	47.32 -0.28 -0.15	49.34 -0.25 0.00	47.72 -0.14 0.00	48.72 -0.15 0.00	50.15 -0.10 0.00	53.17 -0.11 0.00	52.36 -0.05 0.00	53.31 0.05 0.00	56.58 0.45 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.27 0.40 0.00	46.30 0.18 0.00	41.01 0.00 0.00	36.87 0.22 0.00
SYRACUSE___ENERGY_ST2 323598	51.22 0.10 0.00	48.96 0.00 0.00	46.96 -0.09 0.00	44.86 -0.13 0.00	42.96 -0.22 0.00	44.27 -0.13 0.00	46.22 -0.14 0.00	45.53 -0.23 0.00	47.32 -0.28 -0.15	49.34 -0.25 0.00	47.72 -0.14 0.00	48.72 -0.15 0.00	50.15 -0.10 0.00	53.17 -0.11 0.00	52.36 -0.05 0.00	53.31 0.05 0.00	56.58 0.45 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.27 0.40 0.00	46.30 0.18 0.00	41.01 0.00 0.00	36.87 0.22 0.00
SYRACUSE___POWER 24017	51.17 0.05 0.00	48.92 -0.05 0.00	46.92 -0.14 0.00	44.81 -0.18 0.00	42.91 -0.26 0.00	44.23 -0.18 0.00	46.18 -0.19 0.00	45.62 -0.14 0.00	47.32 -0.24 -0.10	49.39 -0.20 0.00	47.77 -0.10 0.00	48.77 -0.10 0.00	50.20 -0.05 0.00	53.28 0.00 0.00	52.51 0.10 0.00	53.41 0.16 0.00	56.52 0.39 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.27 0.40 0.00	46.25 0.14 0.00	40.97 -0.04 0.00	36.83 0.18 0.00
TALLMAN_138KV_BK151 55660	54.34 3.22 0.00	51.95 2.99 0.00	49.79 2.73 0.00	47.60 2.61 0.00	45.72 2.55 0.00	47.02 2.62 0.00	49.24 2.87 0.00	49.83 4.07 0.00	51.49 4.03 0.00	53.35 3.77 0.00	51.27 3.40 0.00	52.43 3.57 0.00	54.02 3.77 0.00	57.22 3.94 0.00	56.86 4.45 0.00	57.99 4.74 0.00	60.50 4.38 0.00	63.78 4.72 0.00	60.30 3.95 0.00	59.48 3.68 0.00	53.76 3.89 0.00	49.53 3.41 0.00	43.88 2.87 0.00	39.61 2.97 0.00
TEALLAVE_115KV_TB7 355573	50.97 -0.15 0.00	48.77 -0.20 0.00	46.77 -0.28 0.00	44.63 -0.36 0.00	42.79 -0.39 0.00	44.09 -0.31 0.00	45.99 -0.37 0.00	45.30 -0.46 0.00	47.02 -0.52 -0.08	49.09 -0.50 0.00	47.53 -0.34 0.00	48.52 -0.34 0.00	49.95 -0.30 0.00	53.01 -0.27 0.00	52.20 -0.21 0.00	53.09 -0.16 0.00	56.30 0.17 0.00	59.35 0.30 0.00	56.58 0.23 0.00	55.97 0.17 0.00	50.02 0.15 0.00	46.07 -0.05 0.00	40.80 -0.21 0.00	36.68 0.04 0.00
TELGRAPH_34_KV_EAST 80808	51.53 0.41 0.00	49.16 0.20 0.00	46.68 -0.38 0.00	44.45 -0.54 0.00	42.31 -0.86 0.00	43.83 -0.58 0.00	45.62 -0.74 0.00	44.89 -0.87 0.00	46.84 -0.62 0.00	48.99 -0.60 0.00	48.35 0.48 0.00	49.16 0.29 0.00	51.61 1.36 0.00	55.14 1.86 0.00	53.77 1.36 0.00	53.84 0.59 0.00	56.74 0.62 0.00	59.88 0.83 0.00	57.26 0.90 0.00	56.47 0.67 0.00	50.12 0.25 0.00	45.75 -0.37 0.00	40.64 -0.37 0.00	37.20 0.55 0.00
TEMPLE___115KV_TB 2 55572	51.02 -0.10 0.00	48.77 -0.20 0.00	46.77 -0.28 0.00	44.68 -0.31 0.00	42.79 -0.39 0.00	44.09 -0.31 0.00	45.99 -0.37 0.00	45.30 -0.46 0.00	47.02 -0.52 -0.08	49.09 -0.50 0.00	47.53 -0.34 0.00	48.52 -0.34 0.00	49.95 -0.30 0.00	53.01 -0.27 0.00	52.20 -0.21 0.00	53.09 -0.16 0.00	56.35 0.22 0.00	59.41 0.35 0.00	56.64 0.28 0.00	56.02 0.22 0.00	50.07 0.20 0.00	46.07 -0.05 0.00	40.84 -0.16 0.00	36.72 0.07 0.00
TIANA___69_KV_BK 1 55817	59.14 5.57 -2.45	54.95 5.97 -0.01	52.42 5.36 0.00	50.08 5.08 0.00	48.85 5.66 -0.02	50.13 5.73 0.00	52.35 5.98 -0.01	53.00 7.23 -0.01	54.49 7.02 -0.01	55.69 6.10 -0.01	52.14 4.45 0.18	53.26 4.69 0.30	55.28 5.28 0.24	58.44 5.59 0.43	59.02 6.60 -0.01	65.33 6.82 -5.26	62.70 6.57 -0.01	66.20 7.15 0.00	61.63 5.80 0.53	60.65 5.36 0.51	55.36 5.59 0.09	50.86 4.75 0.00	45.64 4.63 0.00	44.34 5.13 -2.56



TILDEN___115KV_TB1 80814	51.17 0.05 0.00	48.92 -0.05 0.00	46.92 -0.14 0.00	44.81 -0.18 0.00	42.91 -0.26 0.00	44.23 -0.18 0.00	46.18 -0.19 0.00	45.62 -0.14 0.00	47.32 -0.24 -0.10	49.39 -0.20 0.00	47.77 -0.10 0.00	48.77 -0.10 0.00	50.20 -0.05 0.00	53.28 0.00 0.00	52.51 0.10 0.00	53.41 0.16 0.00	56.52 0.39 0.00	59.64 0.59 0.00	56.87 0.51 0.00	56.24 0.45 0.00	50.27 0.40 0.00	46.25 0.14 0.00	40.97 -0.04 0.00	36.83 0.18 0.00
TRIGEN___CC 323695	75.51 4.45 -19.94	53.13 4.16 0.00	51.01 3.95 0.00	48.73 3.73 0.00	46.82 3.63 -0.01	48.18 3.77 0.00	50.44 4.08 0.00	51.02 5.26 0.00	52.63 5.17 0.00	54.05 4.46 0.00	51.22 3.35 0.00	52.39 3.52 0.00	54.17 3.92 0.00	57.33 4.05 0.00	57.33 4.93 0.00	58.42 5.17 0.00	60.95 4.83 0.00	64.25 5.20 0.00	60.47 4.11 0.00	59.59 3.79 0.00	54.06 4.19 0.00	50.03 3.92 0.00	44.86 3.85 0.00	43.10 3.88 -2.56
TRINITY___115KV___4 BK 55933	52.25 1.12 0.00	50.04 1.08 0.00	48.05 0.99 0.00	45.89 0.90 0.00	44.08 0.91 0.00	45.38 0.98 0.00	47.43 1.07 0.00	46.99 1.24 0.00	48.50 1.04 0.00	50.28 0.69 0.00	48.49 0.62 0.00	49.45 0.59 0.00	50.75 0.50 0.00	53.76 0.48 0.00	53.25 0.84 0.00	54.26 1.01 0.00	56.86 0.73 0.00	59.94 0.89 0.00	56.98 0.62 0.00	56.30 0.50 0.00	50.62 0.75 0.00	46.85 0.74 0.00	41.62 0.62 0.00	37.45 0.81 0.00
UNION___PROCESSING_DRP 323587	51.43 0.31 0.00	49.11 0.15 0.00	46.82 -0.24 0.00	44.59 -0.40 0.00	42.53 -0.65 0.00	44.00 -0.40 0.00	45.81 -0.56 0.00	45.21 -0.55 0.00	47.13 -0.33 0.00	49.29 -0.30 0.00	48.20 0.34 0.00	49.11 0.24 0.00	51.15 0.90 0.00	54.34 1.07 0.00	53.30 0.89 0.00	53.84 0.59 0.00	56.86 0.73 0.00	59.94 0.89 0.00	57.20 0.85 0.00	56.47 0.67 0.00	50.22 0.35 0.00	46.07 -0.05 0.00	40.84 -0.16 0.00	37.05 0.40 0.00
UPPER HUDSON___HYD 24058	53.68 2.55 0.00	51.31 2.35 0.00	49.22 2.17 0.00	46.79 1.80 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.35 1.99 0.00	48.27 2.51 0.00	49.97 2.51 0.00	51.82 2.23 0.00	49.40 1.53 0.00	50.53 1.66 0.00	51.51 1.26 0.00	54.50 1.23 0.00	54.03 1.63 0.00	55.22 1.97 0.00	57.92 1.80 0.00	61.17 2.12 0.00	58.84 2.48 0.00	58.25 2.45 0.00	52.31 2.44 0.00	48.24 2.12 0.00	42.81 1.80 0.00	38.48 1.83 0.00
UPPER RAQUET___HYD 24056	50.20 -0.92 0.00	48.28 -0.69 0.00	46.40 -0.66 0.00	44.54 -0.45 0.00	42.92 -0.26 0.00	43.96 -0.44 0.00	45.85 -0.51 0.00	45.48 -0.27 0.00	47.32 -0.14 0.00	49.53 -0.05 0.00	47.72 -0.14 0.00	48.67 -0.19 0.00	49.85 -0.40 0.00	53.01 -0.27 0.00	51.83 -0.58 0.00	52.35 -0.91 0.00	54.67 -1.46 0.00	57.28 -1.77 0.00	54.72 -1.64 0.00	54.62 -1.17 0.00	49.22 -0.65 0.00	46.02 -0.09 0.00	41.09 0.08 0.00	36.21 -0.44 0.00
VALLEY44_115KV_TB2 355964	51.07 -0.05 0.00	48.77 -0.20 0.00	46.40 -0.66 0.00	44.18 -0.81 0.00	42.09 -1.08 0.00	43.65 -0.75 0.00	45.53 -0.83 0.00	45.12 -0.64 0.00	47.03 -0.43 0.00	49.19 -0.40 0.00	48.06 0.19 0.00	49.11 0.24 0.00	51.26 1.00 0.00	54.93 1.65 0.00	53.77 1.36 0.00	54.32 1.07 0.00	56.74 0.62 0.00	59.88 0.83 0.00	57.15 0.79 0.00	56.47 0.67 0.00	50.17 0.30 0.00	46.02 -0.09 0.00	40.47 -0.53 0.00	37.01 0.37 0.00
VALLEY___115KV_TB 1-4 80826	52.60 1.48 0.00	50.34 1.37 0.00	48.33 1.27 0.00	46.16 1.17 0.00	44.30 1.12 0.00	45.56 1.15 0.00	47.52 1.16 0.00	47.08 1.33 0.00	48.83 1.38 0.00	50.97 1.39 0.00	49.11 1.24 0.00	50.19 1.32 0.00	51.56 1.31 0.00	54.71 1.44 0.00	53.93 1.52 0.00	54.85 1.60 0.00	57.64 1.52 0.00	60.70 1.65 0.00	57.77 1.41 0.00	57.08 1.28 0.00	51.07 1.20 0.00	47.04 0.92 0.00	41.75 0.74 0.00	37.34 0.70 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	53.57 2.45 0.00	51.32 2.35 0.00	49.36 2.31 0.00	47.20 2.20 0.00	45.25 2.07 0.00	46.58 2.18 0.00	48.59 2.23 0.00	48.87 3.11 0.00	50.59 3.13 0.00	52.56 2.98 0.00	50.64 2.78 0.00	51.80 2.93 0.00	53.32 3.07 0.00	56.53 3.25 0.00	55.92 3.51 0.00	57.03 3.78 0.00	59.33 3.20 0.00	62.65 3.60 0.00	59.51 3.16 0.00	58.76 2.96 0.00	52.81 2.94 0.00	48.56 2.44 0.00	42.94 1.93 0.00	38.59 1.94 0.00
VISCHER___FERRY HYD 24020	53.17 2.05 0.00	50.87 1.91 0.00	48.89 1.83 0.00	46.66 1.67 0.00	44.81 1.64 0.00	46.09 1.69 0.00	48.17 1.81 0.00	48.09 2.33 0.00	49.69 2.23 0.00	51.57 1.99 0.00	49.54 1.67 0.00	50.62 1.76 0.00	51.86 1.61 0.00	55.03 1.76 0.00	54.51 2.10 0.00	55.59 2.34 0.00	58.26 2.13 0.00	61.47 2.42 0.00	58.62 2.26 0.00	57.86 2.07 0.00	51.91 2.05 0.00	47.96 1.85 0.00	42.53 1.52 0.00	38.33 1.69 0.00
V_A_10_SYNC_DSASP 323832	50.71 -0.41 0.00	48.43 -0.54 0.00	46.12 -0.94 0.00	43.91 -1.08 0.00	41.84 -1.34 0.00	43.34 -1.07 0.00	45.11 -1.25 0.00	44.34 -1.42 0.00	46.22 -1.23 0.00	48.34 -1.24 0.00	47.44 -0.43 0.00	48.23 -0.64 0.00	50.45 0.20 0.00	53.86 0.59 0.00	52.67 0.26 0.00	52.99 -0.27 0.00	55.85 -0.28 0.00	58.93 -0.12 0.00	56.25 -0.11 0.00	55.52 -0.28 0.00	49.37 -0.50 0.00	45.15 -0.97 0.00	40.15 -0.86 0.00	36.61 -0.04 0.00
V_CMM_10_SYNC_DSASP 323787	50.36 -0.77 0.00	48.33 -0.64 0.00	46.49 -0.56 0.00	44.54 -0.45 0.00	42.74 -0.43 0.00	43.78 -0.62 0.00	45.67 -0.69 0.00	45.21 -0.55 0.00	47.08 -0.38 0.00	49.34 -0.25 0.00	47.58 -0.29 0.00	48.53 -0.34 0.00	49.80 -0.45 0.00	52.85 -0.43 0.00	51.73 -0.68 0.00	52.40 -0.85 0.00	55.23 -0.90 0.00	57.93 -1.12 0.00	55.40 -0.96 0.00	55.13 -0.67 0.00	49.12 -0.75 0.00	45.74 -0.37 0.00	40.80 -0.20 0.00	36.10 -0.55 0.00
V_CMP_10_SYNC_DSASP 323788	50.30 -0.82 0.00	48.48 -0.49 0.00	46.54 -0.52 0.00	44.59 -0.41 0.00	42.87 -0.30 0.00	43.96 -0.44 0.00	45.94 -0.42 0.00	45.57 -0.18 0.00	47.46 0.00 0.00	49.44 -0.15 0.00	48.01 0.14 0.00	48.58 -0.29 0.00	49.85 -0.40 0.00	53.01 -0.27 0.00	51.83 -0.58 0.00	52.51 -0.75 0.00	55.46 -0.67 0.00	58.17 -0.88 0.00	55.51 -0.84 0.00	55.35 -0.45 0.00	49.47 -0.40 0.00	46.58 0.46 0.00	41.46 0.45 0.00	36.65 0.00 0.00
V_D_10_SYNC_DSASP 323841	50.56 -0.56 0.00	48.52 -0.44 0.00	46.68 -0.38 0.00	44.72 -0.27 0.00	42.96 -0.21 0.00	44.00 -0.40 0.00	45.90 -0.46 0.00	45.44 -0.32 0.00	47.27 -0.19 0.00	49.53 -0.05 0.00	47.82 -0.05 0.00	48.72 -0.15 0.00	50.00 -0.25 0.00	53.12 -0.16 0.00	51.94 -0.47 0.00	52.56 -0.69 0.00	55.40 -0.73 0.00	58.05 -1.00 0.00	55.45 -0.90 0.00	55.29 -0.50 0.00	49.32 -0.55 0.00	46.02 -0.09 0.00	41.09 0.08 0.00	36.28 -0.37 0.00
V_E_10_SYNC_DSASP 323830	55.52 4.40 0.00	53.03 4.06 0.00	50.77 3.72 0.00	48.41 3.42 0.00	46.24 3.07 0.00	47.69 3.29 0.00	49.65 3.29 0.00	50.52 4.76 0.00	52.30 4.84 0.00	54.20 4.61 0.00	52.22 4.36 0.00	53.61 4.74 0.00	55.23 4.98 0.00	58.50 5.22 0.00	57.65 5.24 0.00	59.06 5.81 0.00	60.78 4.66 0.00	64.72 5.67 0.00	61.65 5.30 0.00	61.10 5.30 0.00	54.86 4.99 0.00	49.99 3.87 0.00	43.88 2.87 0.00	39.36 2.71 0.00



V_F_30_NSYNC___DSASP 323816	53.88 2.76 0.00	51.56 2.59 0.00	49.50 2.45 0.00	47.15 2.16 0.00	45.29 2.11 0.00	46.62 2.22 0.00	48.68 2.32 0.00	48.50 2.75 0.00	50.16 2.70 0.00	52.01 2.43 0.00	49.92 2.06 0.00	51.07 2.20 0.00	52.21 1.96 0.00	55.35 2.08 0.00	54.82 2.41 0.00	55.97 2.71 0.00	58.71 2.58 0.00	61.94 2.89 0.00	59.18 2.82 0.00	58.53 2.73 0.00	52.51 2.64 0.00	48.47 2.35 0.00	42.98 1.97 0.00	38.66 2.01 0.00
V_F_30_SYNC_DSASP 323786	52.50 1.38 0.00	50.24 1.27 0.00	48.28 1.22 0.00	46.07 1.08 0.00	44.25 1.08 0.00	45.56 1.15 0.00	47.57 1.21 0.00	47.18 1.42 0.00	48.74 1.28 0.00	50.53 0.94 0.00	48.73 0.86 0.00	49.70 0.83 0.00	51.00 0.75 0.00	54.02 0.75 0.00	53.51 1.10 0.00	54.53 1.28 0.00	57.14 1.01 0.00	60.29 1.24 0.00	57.26 0.90 0.00	56.64 0.84 0.00	50.87 1.00 0.00	47.08 0.97 0.00	41.83 0.82 0.00	37.64 0.99 0.00
V_XM_10_SYNC_DSASP 323789	50.30 -0.82 0.00	48.48 -0.49 0.00	46.54 -0.52 0.00	44.59 -0.41 0.00	42.87 -0.30 0.00	43.96 -0.44 0.00	45.94 -0.42 0.00	45.57 -0.18 0.00	47.46 0.00 0.00	49.44 -0.15 0.00	48.01 0.14 0.00	48.58 -0.29 0.00	49.85 -0.40 0.00	53.01 -0.27 0.00	51.83 -0.58 0.00	52.51 -0.75 0.00	55.46 -0.67 0.00	58.17 -0.88 0.00	55.51 -0.84 0.00	55.35 -0.45 0.00	49.47 -0.40 0.00	46.58 0.46 0.00	41.46 0.45 0.00	36.65 0.00 0.00
W.BABYLN_69_KV_BK1 56697	62.18 5.27 -5.79	54.30 5.34 0.00	52.09 5.04 0.00	49.85 4.86 0.00	48.07 4.88 -0.02	49.42 5.02 0.00	51.65 5.29 0.00	52.26 6.50 0.00	53.77 6.31 0.00	54.94 5.36 0.14	51.60 3.88 0.17	52.80 4.10 0.21	54.61 4.57 0.35	57.72 4.79 0.00	58.17 5.76 0.00	59.91 6.02 -0.64	61.80 5.67 0.00	65.20 6.14 -0.01	60.87 4.96 0.45	60.06 4.69 0.43	54.84 5.04 0.06	50.86 4.75 0.00	46.01 5.00 0.00	44.23 5.02 -2.56
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	54.49 3.37 0.00	52.10 3.13 0.00	49.93 2.87 0.00	47.69 2.70 0.00	45.85 2.68 0.00	47.16 2.75 0.00	49.38 3.01 0.00	49.97 4.21 0.00	51.64 4.18 0.00	53.45 3.87 0.00	51.41 3.54 0.00	52.58 3.71 0.00	54.12 3.87 0.00	57.33 4.05 0.00	56.97 4.56 0.00	58.10 4.85 0.00	60.67 4.55 0.00	63.95 4.90 0.00	60.42 4.06 0.00	59.59 3.79 0.00	53.86 3.99 0.00	49.62 3.50 0.00	43.96 2.95 0.00	39.69 3.04 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	55.21 4.09 0.00	52.73 3.77 0.00	50.54 3.48 0.00	48.28 3.28 0.00	46.37 3.19 0.00	47.69 3.29 0.00	50.02 3.66 0.00	50.70 4.94 0.00	52.44 4.98 0.00	54.29 4.71 0.00	52.08 4.21 0.00	53.22 4.35 0.00	54.72 4.47 0.00	57.91 4.64 0.00	57.60 5.19 0.00	58.74 5.48 0.00	61.29 5.16 0.00	64.48 5.43 0.00	60.87 4.51 0.00	59.98 4.18 0.00	54.31 4.44 0.00	50.13 4.01 0.00	44.45 3.44 0.00	40.16 3.52 0.00
W50THST__13_KV_LOAD 356117	55.52 4.40 0.00	53.03 4.06 0.00	50.82 3.76 0.00	48.55 3.55 0.00	46.63 3.45 0.00	47.96 3.55 0.00	50.40 4.03 0.00	51.02 5.26 0.00	52.82 5.36 0.00	54.69 5.11 0.00	52.51 4.64 0.00	53.61 4.74 0.00	55.17 4.92 0.00	58.39 5.11 0.00	58.07 5.66 0.00	59.16 5.91 0.00	61.74 5.61 0.00	65.02 5.96 0.00	61.32 4.96 0.00	60.37 4.58 0.00	54.66 4.79 0.00	50.40 4.29 0.00	44.70 3.69 0.00	40.38 3.74 0.00
WADING RIVER_IC_1 23522	57.70 4.14 -2.44	54.07 5.09 -0.01	51.68 4.61 -0.01	49.36 4.36 -0.01	48.46 5.27 -0.02	49.78 5.37 -0.01	51.94 5.56 -0.02	52.55 6.77 -0.02	53.83 6.36 -0.01	55.14 5.55 -0.01	51.56 3.88 0.18	52.78 4.20 0.29	54.33 4.32 0.24	57.81 4.96 0.42	58.18 5.76 -0.01	64.41 5.91 -5.25	61.86 5.73 -0.01	65.43 6.38 0.00	60.91 5.07 0.53	59.88 4.58 0.50	54.67 4.89 0.09	49.53 3.41 0.00	44.95 3.94 -0.01	43.94 4.73 -2.56
WADING RIVER_IC_2 23547	57.70 4.14 -2.44	54.07 5.09 -0.01	51.68 4.61 -0.01	49.36 4.36 -0.01	48.46 5.27 -0.02	49.78 5.37 -0.01	51.94 5.56 -0.02	52.55 6.77 -0.02	53.83 6.36 -0.01	55.14 5.55 -0.01	51.56 3.88 0.18	52.78 4.20 0.29	54.33 4.32 0.24	57.81 4.96 0.42	58.18 5.76 -0.01	64.41 5.91 -5.25	61.86 5.73 -0.01	65.43 6.38 0.00	60.91 5.07 0.53	59.88 4.58 0.50	54.67 4.89 0.09	49.53 3.41 0.00	44.95 3.94 -0.01	43.94 4.73 -2.56
WADING RIVER_IC_3 23601	57.70 4.14 -2.44	54.07 5.09 -0.01	51.68 4.61 -0.01	49.36 4.36 -0.01	48.46 5.27 -0.02	49.78 5.37 -0.01	51.94 5.56 -0.02	52.55 6.77 -0.02	53.83 6.36 -0.01	55.14 5.55 -0.01	51.56 3.88 0.18	52.78 4.20 0.29	54.33 4.32 0.24	57.81 4.96 0.42	58.18 5.76 -0.01	64.41 5.91 -5.25	61.86 5.73 -0.01	65.43 6.38 0.00	60.91 5.07 0.53	59.88 4.58 0.50	54.67 4.89 0.09	49.53 3.41 0.00	44.95 3.94 -0.01	43.94 4.73 -2.56
WALDENNY_12_KV_BK2 80841	51.53 0.41 0.00	49.21 0.24 0.00	46.73 -0.33 0.00	44.50 -0.49 0.00	42.35 -0.82 0.00	43.92 -0.49 0.00	45.71 -0.65 0.00	44.98 -0.78 0.00	46.98 -0.47 0.00	49.19 -0.40 0.00	48.25 0.38 0.00	49.11 0.24 0.00	51.56 1.31 0.00	55.25 1.97 0.00	53.88 1.47 0.00	54.26 1.01 0.00	56.97 0.84 0.00	60.06 1.00 0.00	57.37 1.01 0.00	56.58 0.78 0.00	50.17 0.30 0.00	45.84 -0.28 0.00	40.64 -0.37 0.00	37.27 0.62 0.00
WALDEN__HYDRO 24148	54.34 3.22 0.00	51.95 2.99 0.00	49.79 2.73 0.00	47.56 2.56 0.00	45.63 2.46 0.00	46.98 2.58 0.00	49.19 2.83 0.00	49.69 3.94 0.00	51.35 3.89 0.00	53.10 3.52 0.00	51.12 3.26 0.00	52.24 3.37 0.00	53.72 3.47 0.00	56.90 3.62 0.00	56.50 4.09 0.00	57.67 4.42 0.00	60.22 4.10 0.00	63.48 4.43 0.00	60.08 3.72 0.00	59.31 3.52 0.00	53.56 3.69 0.00	49.34 3.23 0.00	43.71 2.71 0.00	39.47 2.82 0.00
WARRENSBURG____ 23737	53.68 2.56 0.00	51.32 2.35 0.00	49.22 2.16 0.00	46.79 1.80 0.00	45.03 1.86 0.00	46.36 1.95 0.00	48.36 1.99 0.00	48.27 2.52 0.00	49.97 2.52 0.00	51.81 2.23 0.00	49.40 1.53 0.00	50.53 1.66 0.00	51.61 1.36 0.00	54.45 1.17 0.00	54.03 1.62 0.00	55.17 1.92 0.00	57.87 1.74 0.00	61.18 2.13 0.00	58.78 2.42 0.00	58.20 2.40 0.00	52.41 2.54 0.00	48.28 2.17 0.00	42.85 1.85 0.00	38.48 1.83 0.00
WATERSIDE____6 8 9 23538	55.37 4.24 -0.01	52.83 3.87 0.00	50.64 3.58 -0.01	48.37 3.37 0.00	46.45 3.28 0.00	47.69 3.29 0.00	50.02 3.66 0.00	50.61 4.85 0.00	52.30 4.84 0.00	54.19 4.61 0.00	51.98 4.12 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.44 5.03 0.00	58.58 5.33 0.00	60.95 4.83 0.00	64.07 5.02 0.00	60.53 4.17 0.00	59.70 3.91 0.00	54.16 4.29 0.00	50.08 3.97 0.00	44.49 3.49 0.00	40.32 3.66 -0.01
WATKINRD_115KV_LN8_ILLION 55919	52.25 1.12 0.00	49.99 1.03 0.00	48.05 0.99 0.00	45.89 0.90 0.00	44.04 0.86 0.00	45.29 0.89 0.00	47.24 0.88 0.00	46.81 1.05 0.00	48.55 1.09 0.00	50.62 1.04 0.00	48.83 0.96 0.00	49.84 0.98 0.00	51.26 1.00 0.00	54.34 1.07 0.00	53.56 1.15 0.00	54.48 1.22 0.00	57.31 1.18 0.00	60.29 1.24 0.00	57.49 1.13 0.00	56.80 1.00 0.00	50.82 0.95 0.00	46.85 0.74 0.00	41.58 0.57 0.00	37.23 0.59 0.00



WDELAWARE___HYD 323627	53.93 2.81 0.00	51.56 2.59 0.00	49.46 2.40 0.00	47.20 2.20 0.00	45.29 2.11 0.00	46.62 2.22 0.00	48.77 2.41 0.00	49.33 3.57 0.00	50.97 3.51 0.00	52.76 3.18 0.00	50.74 2.87 0.00	51.95 3.08 0.00	53.26 3.01 0.00	56.58 3.30 0.00	56.13 3.72 0.00	57.30 4.05 0.00	59.83 3.70 0.00	63.18 4.13 0.00	59.97 3.61 0.00	59.09 3.29 0.00	53.16 3.29 0.00	48.97 2.86 0.00	43.39 2.38 0.00	39.17 2.53 0.00
WEST BABYLON___IC 23714	62.18 5.27 -5.79	54.30 5.34 0.00	52.09 5.04 0.00	49.85 4.86 0.00	48.07 4.88 -0.02	49.42 5.02 0.00	51.65 5.29 0.00	52.26 6.50 0.00	53.77 6.31 0.00	54.94 5.36 0.00	51.60 3.88 0.14	52.80 4.10 0.17	54.61 4.57 0.21	57.72 4.79 0.35	58.17 5.76 0.00	59.91 6.02 -0.64	61.80 5.67 0.00	65.20 6.14 -0.01	60.87 4.96 0.45	60.06 4.69 0.43	54.84 5.04 0.06	50.86 4.75 0.00	46.01 5.00 0.00	44.23 5.02 -2.56
WEST CANADA___HYD 24049	51.48 0.36 0.00	49.31 0.35 0.00	47.39 0.33 0.00	45.31 0.32 0.00	43.48 0.30 0.00	44.72 0.31 0.00	46.69 0.33 0.00	46.21 0.46 0.00	47.88 0.43 0.00	49.93 0.35 0.00	48.21 0.34 0.00	49.21 0.34 0.00	50.60 0.35 0.00	53.65 0.38 0.00	52.88 0.47 0.00	53.78 0.53 0.00	56.57 0.45 0.00	59.52 0.47 0.00	56.76 0.40 0.00	56.13 0.34 0.00	50.22 0.35 0.00	46.39 0.28 0.00	41.21 0.21 0.00	36.90 0.26 0.00
WESTERN_NY_WIND 24143	52.35 1.23 0.00	49.94 0.98 0.00	47.39 0.33 0.00	45.08 0.09 0.00	42.91 -0.26 0.00	44.49 0.09 0.00	46.27 -0.09 0.00	45.99 0.23 0.00	47.93 0.47 0.00	49.88 0.30 0.00	49.06 1.20 0.00	49.94 1.08 0.00	52.31 2.06 0.00	55.73 2.45 0.00	54.45 2.04 0.00	54.74 1.49 0.00	57.70 1.57 0.00	60.88 1.83 0.00	58.33 1.97 0.00	57.53 1.73 0.00	51.07 1.20 0.00	46.67 0.55 0.00	41.38 0.37 0.00	37.82 1.17 0.00
WESTOVER___LESR 323668	51.99 0.87 0.00	49.75 0.78 0.00	47.67 0.61 0.00	45.53 0.54 0.00	43.61 0.43 0.00	44.98 0.58 0.00	46.87 0.51 0.00	47.50 1.74 0.00	49.21 1.76 0.00	51.27 1.69 0.00	49.64 1.77 0.00	50.67 1.81 0.00	52.46 2.21 0.00	55.83 2.56 0.00	55.08 2.67 0.00	55.97 2.72 0.00	57.64 1.52 0.00	60.88 1.83 0.00	57.99 1.63 0.00	57.36 1.56 0.00	51.31 1.45 0.00	47.13 1.01 0.00	41.66 0.66 0.00	37.56 0.92 0.00
WETHRSFD_WT_PWR 323626	51.63 0.51 0.00	49.16 0.20 0.00	46.78 -0.28 0.00	44.59 -0.41 0.00	42.44 -0.73 0.00	44.00 -0.40 0.00	45.81 -0.55 0.00	45.30 -0.46 0.00	47.13 -0.33 0.00	49.24 -0.34 0.00	48.16 0.29 0.00	48.96 0.10 0.00	51.71 1.46 0.00	54.72 1.44 0.00	53.35 0.94 0.00	53.94 0.69 0.00	56.52 0.40 0.00	59.94 0.89 0.00	57.04 0.68 0.00	56.58 0.78 0.00	51.02 1.15 0.00	46.48 0.37 0.00	41.09 0.08 0.00	37.27 0.62 0.00
WHAVSTOR_138KV_BK127 55557	54.29 3.17 0.00	51.90 2.94 0.00	49.74 2.68 0.00	47.56 2.56 0.00	45.68 2.50 0.00	46.98 2.58 0.00	49.19 2.83 0.00	49.78 4.03 0.00	51.45 3.99 0.00	53.25 3.67 0.00	51.17 3.30 0.00	52.34 3.47 0.00	53.87 3.62 0.00	57.06 3.78 0.00	56.71 4.30 0.00	57.83 4.58 0.00	60.39 4.27 0.00	63.66 4.61 0.00	60.19 3.83 0.00	59.31 3.52 0.00	53.66 3.79 0.00	49.44 3.32 0.00	43.80 2.79 0.00	39.58 2.93 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	54.29 3.17 0.00	51.90 2.94 0.00	49.74 2.68 0.00	47.56 2.56 0.00	45.68 2.50 0.00	46.98 2.58 0.00	49.19 2.83 0.00	49.78 4.03 0.00	51.45 3.99 0.00	53.25 3.67 0.00	51.17 3.30 0.00	52.34 3.47 0.00	53.87 3.62 0.00	57.06 3.78 0.00	56.71 4.30 0.00	57.83 4.58 0.00	60.39 4.27 0.00	63.66 4.61 0.00	60.19 3.83 0.00	59.31 3.52 0.00	53.66 3.79 0.00	49.44 3.32 0.00	43.80 2.79 0.00	39.58 2.93 0.00
WHITEHAL_115KV_TB1 80871	54.49 3.37 0.00	52.10 3.13 0.00	49.88 2.82 0.00	47.33 2.34 0.00	45.55 2.37 0.00	46.94 2.53 0.00	49.28 2.92 0.00	49.23 3.48 0.00	50.97 3.51 0.00	52.71 3.12 0.00	50.26 2.39 0.00	51.41 2.54 0.00	52.31 2.06 0.00	55.19 1.92 0.00	54.87 2.46 0.00	56.07 2.82 0.00	58.88 2.75 0.00	62.42 3.37 0.00	60.08 3.72 0.00	59.70 3.91 0.00	53.61 3.74 0.00	49.39 3.27 0.00	43.67 2.67 0.00	39.17 2.53 0.00
WHITEPLN_13_KV_LOAD 356215	55.41 4.29 0.00	52.93 3.97 0.00	50.73 3.67 0.00	48.46 3.46 0.00	46.54 3.37 0.00	47.87 3.46 0.00	50.21 3.85 0.00	50.74 4.99 0.00	52.54 5.08 0.00	54.34 4.76 0.00	52.22 4.36 0.00	53.41 4.54 0.00	54.97 4.72 0.00	58.23 4.95 0.00	57.91 5.50 0.00	59.06 5.80 0.00	61.63 5.50 0.00	65.02 5.96 0.00	61.32 4.96 0.00	60.43 4.63 0.00	54.66 4.79 0.00	50.31 4.20 0.00	44.58 3.57 0.00	40.24 3.59 0.00
WM_FLOYD_69_KV_BK2 356380	58.57 4.96 -2.49	54.31 5.34 -0.01	51.95 4.89 0.00	49.72 4.72 0.00	48.42 5.22 -0.03	49.73 5.33 0.00	51.94 5.56 -0.01	52.59 6.82 -0.01	53.97 6.50 -0.01	55.10 5.50 -0.01	51.60 3.93 0.19	52.65 4.10 0.32	54.56 4.57 0.26	57.67 4.85 0.46	58.24 5.82 -0.01	64.62 6.02 -5.35	61.86 5.72 -0.01	65.32 6.26 0.00	60.80 5.02 0.57	59.95 4.69 0.54	54.81 5.04 0.10	50.59 4.47 0.00	45.56 4.55 0.00	44.16 4.95 -2.56
WOODARD___115KV_TB2 355635	50.86 -0.26 0.00	48.67 -0.29 0.00	46.68 -0.38 0.00	44.59 -0.40 0.00	42.70 -0.47 0.00	44.00 -0.40 0.00	45.90 -0.46 0.00	45.21 -0.55 0.00	47.00 -0.57 -0.11	49.04 -0.55 0.00	47.48 -0.38 0.00	48.43 -0.44 0.00	49.85 -0.40 0.00	52.90 -0.37 0.00	52.09 -0.31 0.00	52.99 -0.27 0.00	56.18 0.06 0.00	59.23 0.18 0.00	56.47 0.11 0.00	55.85 0.06 0.00	49.92 0.05 0.00	45.93 -0.18 0.00	40.72 -0.29 0.00	36.61 -0.04 0.00
WOODMERE_69_KV_BK1 55827	101.56 5.57 -44.87	54.15 5.19 0.00	51.86 4.80 0.00	49.54 4.54 0.00	47.55 4.36 -0.01	48.89 4.48 0.00	51.18 4.82 0.00	51.75 5.99 0.00	53.44 5.98 0.00	54.89 5.31 0.00	52.03 4.16 0.00	53.22 4.35 0.00	55.07 4.82 0.00	58.34 5.06 0.00	58.33 5.92 0.00	59.43 6.18 0.00	62.02 5.89 0.00	65.43 6.38 0.00	61.54 5.18 0.00	60.65 4.85 0.00	55.01 5.14 0.00	50.82 4.70 0.00	45.52 4.51 0.00	43.61 4.40 -2.56
YORK___WARBASSE 23770	55.58 4.45 -0.01	52.98 4.02 0.00	50.92 3.86 -0.01	48.69 3.69 -0.01	46.77 3.58 -0.01	47.91 3.51 0.00	50.16 3.80 0.00	50.61 4.85 0.00	52.25 4.79 0.00	54.14 4.56 0.00	51.93 4.07 0.00	53.07 4.20 0.00	54.57 4.32 0.00	57.75 4.48 0.00	57.49 5.08 0.00	58.57 5.33 0.00	61.00 4.88 0.00	64.07 5.02 0.00	60.52 4.17 0.00	59.64 3.85 0.00	54.15 4.29 0.00	50.22 4.10 0.00	44.79 3.77 -0.01	40.58 3.92 -0.01