

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$																			--- Marginal Cost of Losses																			--- Marginal Cost of Congestion																			06/20/2025		
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	45.12	40.39	35.69	35.26	34.38	33.20	36.13	37.11	39.73	38.17	39.45	41.12	43.03	46.43	49.45	51.34	57.05	62.06	61.72	60.41	57.58	54.84	48.88	43.91																																				
		3.38	2.75	2.21	2.09	2.07	1.97	2.40	2.91	3.35	3.41	3.62	3.87	4.26	4.68	5.02	5.09	5.37	5.64	5.30	4.11	3.57	3.49	3.49	3.21																																				
		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																																				
74TH STREET_GT_1	24260	45.12	40.42	35.69	35.26	34.38	33.17	36.10	37.11	39.69	38.13	39.41	41.08	42.99	46.43	49.45	51.34	57.00	62.00	61.66	60.36	57.58	54.84	48.88	43.91																																				
		3.38	2.79	2.21	2.09	2.07	1.94	2.36	2.91	3.31	3.37	3.58	3.84	4.23	4.68	5.02	5.09	5.32	5.59	5.25	4.05	3.57	3.49	3.49	3.21																																				
		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																																				
74TH STREET_GT_2	24261	45.12	40.42	35.69	35.26	34.38	33.17	36.10	37.11	39.69	38.13	39.41	41.08	42.99	46.43	49.45	51.34	57.00	62.00	61.66	60.36	57.58	54.84	48.88	43.91																																				
		3.38	2.79	2.21	2.09	2.07	1.94	2.36	2.91	3.31	3.37	3.58	3.84	4.23	4.68	5.02	5.09	5.32	5.59	5.25	4.05	3.57	3.49	3.49	3.21																																				
		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																																				
ADK HUDSON___FALLS	24011	44.16	39.67	35.15	34.73	33.86	32.79	35.39	35.88	38.05	36.19	36.98	38.44	39.93	42.96	45.81	47.74	53.75	59.07	59.69	59.40	56.56	54.02	47.70	42.61																																				
		2.42	2.03	1.67	1.56	1.55	1.56	1.65	1.68	1.67	1.43	1.15	1.19	1.16	1.21	1.38	1.48	2.07	2.65	3.27	3.10	2.54	2.67	2.31	1.91																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	44.66	40.05	35.39	34.96	34.05	33.04	35.73	36.19	38.34	36.43	37.09	38.63	40.08	43.09	45.94	47.97	54.11	59.69	59.91	59.85	56.77	54.22	47.88	42.77																																				
		2.92	2.41	1.91	1.79	1.74	1.81	1.99	1.98	1.96	1.67	1.25	1.38	1.32	1.34	1.51	1.71	2.43	3.27	3.50	3.55	2.75	2.87	2.49	2.07																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	44.16	39.67	35.15	34.73	33.86	32.79	35.39	35.88	38.05	36.19	36.98	38.44	39.93	42.96	45.81	47.74	53.75	59.07	59.69	59.40	56.56	54.02	47.70	42.61																																				
		2.42	2.03	1.67	1.56	1.55	1.56	1.65	1.68	1.67	1.43	1.15	1.19	1.16	1.21	1.38	1.48	2.07	2.65	3.27	3.10	2.54	2.67	2.31	1.91																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	44.37	39.82	35.35	34.90	34.12	33.04	35.56	36.29	38.53	36.67	37.73	39.11	40.90	44.09	47.00	48.89	54.52	60.03	59.91	59.23	56.39	53.55	47.47	42.57																																				
		2.63	2.18	1.87	1.72	1.81	1.81	1.82	2.09	2.15	1.91	1.90	1.86	2.13	2.34	2.58	2.64	2.84	3.61	3.50	2.93	2.37	2.21	2.09	1.87																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	42.99	38.69	34.38	34.04	33.21	32.07	34.35	34.92	37.11	35.42	36.51	37.92	39.50	42.55	45.14	46.95	52.35	57.26	57.20	56.58	54.02	51.45	45.57	40.81																																				
		1.25	1.05	0.90	0.86	0.90	0.84	0.61	0.72	0.73	0.66	0.68	0.67	0.74	0.79	0.71	0.69	0.67	0.85	0.79	0.28	0.00	0.10	0.18	0.12																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	41.53	37.53	33.31	33.04	32.15	31.01	33.44	33.86	35.98	34.35	35.44	36.80	38.38	41.25	43.94	45.66	51.26	55.74	55.74	56.02	54.02	51.40	45.52	40.90																																				
		-0.21	-0.11	-0.17	-0.13	-0.16	-0.22	-0.30	-0.34	-0.40	-0.42	-0.39	-0.45	-0.39	-0.50	-0.49	-0.60	-0.41	-0.68	-0.68	-0.28	0.00	0.05	0.14	0.20																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	43.53	39.18	34.85	34.50	33.64	32.45	34.82	35.23	37.36	35.53	36.51	37.92	39.50	42.54	42.39	46.29	46.99	50.76	56.96	54.02	48.88	51.53	42.85	39.41																																				
		1.79	1.54	1.37	1.33	1.33	1.22	1.08	1.03	0.98	0.76	0.68	0.67	0.73	0.79	0.67	0.05	0.00	0.45	0.56	0.45	0.05	0.21	0.27	0.20																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.02	4.68	6.10	0.02	2.74	5.19	0.02	2.81	1.49																																				
ALBANY_2_SOLAR	323834	43.53	39.18	34.85	34.47	33.64	32.42	34.79	35.23	37.33	35.53	36.51	37.92	39.50	42.54	42.39	46.29	47.00	50.71	56.96	54.02	48.88	51.48	42.80	39.36																																				
		1.79	1.54	1.37	1.29	1.33	1.19	1.05	1.03	0.94	0.76	0.68	0.67	0.73	0.79	0.67	0.05	0.00	0.40	0.56	0.45	0.05	0.15	0.23	0.16																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.70	0.02	4.68	6.10	0.02	2.73	5.19	0.02	2.81	1.49																																				
ALBANY___1	23571	42.99	38.69	34.38	34.04	33.21	32.07	34.35	34.92	37.11	35.42	36.51	37.92	39.50	42.55	45.14	46.95	52.35	57.26	57.20	56.58	54.02	51.45	45.57	40.81																																				
		1.25	1.05	0.90	0.86	0.90	0.84	0.61	0.72	0.73	0.66	0.68	0.67	0.74	0.79	0.71	0.69	0.67	0.85	0.79	0.28	0.00	0.10	0.18	0.12																																				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	42.99 1.25 0.00	38.69 1.05 0.00	34.38 0.90 0.00	34.04 0.86 0.00	33.21 0.90 0.00	32.07 0.84 0.00	34.35 0.61 0.00	34.92 0.72 0.00	37.11 0.73 0.00	35.42 0.66 0.00	36.51 0.68 0.00	37.92 0.67 0.00	39.50 0.74 0.00	42.55 0.79 0.00	45.14 0.71 0.00	46.95 0.69 0.00	52.35 0.67 0.00	57.26 0.85 0.00	57.20 0.79 0.00	56.58 0.28 0.00	54.02 0.00 0.00	51.45 0.10 0.00	45.57 0.18 0.00	40.81 0.12 0.00
ALBANY___3 23573	42.99 1.25 0.00	38.69 1.05 0.00	34.38 0.90 0.00	34.04 0.86 0.00	33.21 0.90 0.00	32.07 0.84 0.00	34.35 0.61 0.00	34.92 0.72 0.00	37.11 0.73 0.00	35.42 0.66 0.00	36.51 0.68 0.00	37.92 0.67 0.00	39.50 0.74 0.00	42.55 0.79 0.00	45.14 0.71 0.00	46.95 0.69 0.00	52.35 0.67 0.00	57.26 0.85 0.00	57.20 0.79 0.00	56.58 0.28 0.00	54.02 0.00 0.00	51.45 0.10 0.00	45.57 0.18 0.00	40.81 0.12 0.00
ALBANY___4 23574	42.99 1.25 0.00	38.69 1.05 0.00	34.38 0.90 0.00	34.04 0.86 0.00	33.21 0.90 0.00	32.07 0.84 0.00	34.35 0.61 0.00	34.92 0.72 0.00	37.11 0.73 0.00	35.42 0.66 0.00	36.51 0.68 0.00	37.92 0.67 0.00	39.50 0.74 0.00	42.55 0.79 0.00	45.14 0.71 0.00	46.95 0.69 0.00	52.35 0.67 0.00	57.26 0.85 0.00	57.20 0.79 0.00	56.58 0.28 0.00	54.02 0.00 0.00	51.45 0.10 0.00	45.57 0.18 0.00	40.81 0.12 0.00
ALBANY___LFGE 323615	43.32 1.59 0.00	38.99 1.35 0.00	34.65 1.17 0.00	34.27 1.09 0.00	33.44 1.13 0.00	32.29 1.06 0.00	34.65 0.91 0.00	35.23 1.03 0.00	37.44 1.06 0.00	35.73 0.97 0.00	36.80 0.97 0.00	38.29 1.04 0.00	39.85 1.08 0.00	42.92 1.17 0.00	45.58 1.15 0.00	47.41 1.16 0.00	52.81 1.14 0.00	57.99 1.58 0.00	57.94 1.52 0.00	57.43 1.13 0.00	54.67 0.65 0.00	52.01 0.67 0.00	46.07 0.68 0.00	41.26 0.57 0.00
ALCOA_PA_115KV_PL-6C 55860	41.78 0.04 0.00	37.71 0.08 0.00	33.51 0.03 0.00	33.24 0.07 0.00	32.31 0.00 0.00	31.20 -0.03 0.00	33.60 -0.13 0.00	34.03 -0.17 0.00	35.08 -0.25 1.04	33.31 -0.28 1.17	35.57 -0.25 0.02	36.95 -0.30 0.00	38.49 -0.27 0.00	41.38 -0.38 0.00	44.12 -0.31 0.00	45.70 -0.56 0.00	51.32 -0.36 0.00	55.91 -0.51 0.00	55.91 -0.51 0.00	56.25 -0.06 0.00	54.23 0.22 0.00	51.65 0.31 0.00	45.79 0.41 0.00	41.18 0.49 0.00
ALCOA_RYNLDS___DRP 24188	41.78 0.04 0.00	37.71 0.08 0.00	33.51 0.03 0.00	33.24 0.07 0.00	32.31 0.00 0.00	31.20 -0.03 0.00	33.60 -0.13 0.00	34.03 -0.17 0.00	35.08 -0.25 1.04	33.31 -0.28 1.17	35.57 -0.25 0.02	36.95 -0.30 0.00	38.49 -0.27 0.00	41.38 -0.38 0.00	44.12 -0.31 0.00	45.70 -0.56 0.00	51.32 -0.36 0.00	55.91 -0.51 0.00	55.91 -0.51 0.00	56.25 -0.06 0.00	54.23 0.22 0.00	51.65 0.31 0.00	45.79 0.41 0.00	41.18 0.49 0.00
ALCOA___DSASP 323711	41.78 0.04 0.00	37.71 0.08 0.00	33.51 0.03 0.00	33.24 0.07 0.00	32.31 0.00 0.00	31.20 -0.03 0.00	33.60 -0.13 0.00	34.03 -0.17 0.00	35.08 -0.25 1.04	33.31 -0.28 1.17	35.57 -0.25 0.02	36.95 -0.30 0.00	38.50 -0.27 0.00	41.38 -0.38 0.00	44.12 -0.31 0.00	45.70 -0.55 0.00	51.32 -0.36 0.00	55.80 -0.62 0.00	55.85 -0.56 0.00	55.91 -0.39 0.00	54.23 0.22 0.00	51.66 0.31 0.00	45.75 0.36 0.00	41.18 0.49 0.00
ALLEGHENY___COGEN 23514	42.99 1.25 0.00	38.35 0.71 0.00	34.28 0.80 0.00	34.03 0.86 0.00	32.99 0.68 0.00	32.32 1.09 0.00	35.22 1.48 0.00	35.57 1.37 0.00	37.47 1.09 0.00	35.70 0.94 0.00	36.66 0.82 0.00	38.07 0.82 0.00	39.19 0.43 0.00	42.13 0.37 0.00	43.81 -0.62 0.00	45.75 -0.51 0.00	51.32 -0.36 0.00	57.09 0.68 0.00	58.44 2.03 0.00	59.85 3.55 0.00	57.20 3.19 0.00	54.12 2.77 0.00	47.25 1.86 0.00	42.20 1.51 0.00
ALTAMONT_115KV_TB 2 55880	43.12 1.38 0.00	38.77 1.13 0.00	34.52 1.04 0.00	34.17 1.00 0.00	33.31 1.00 0.00	32.14 0.91 0.00	34.62 0.88 0.00	35.19 0.99 0.00	37.44 1.06 0.00	35.74 0.97 0.00	36.84 1.00 0.00	38.29 1.04 0.00	39.93 1.16 0.00	43.00 1.25 0.00	45.83 1.24 -0.15	47.55 1.30 0.00	53.23 1.29 -0.26	58.34 1.58 -0.34	58.00 1.58 0.00	57.53 1.07 -0.15	55.12 0.81 -0.29	52.22 0.87 0.00	46.41 0.86 -0.16	41.51 0.73 -0.08
ALTONA_WT_PWR 323606	40.99 -0.75 0.00	36.96 -0.68 0.00	32.81 -0.67 0.00	32.54 -0.63 0.00	31.63 -0.68 0.00	30.48 -0.75 0.00	32.69 -1.05 0.00	32.73 -1.47 0.00	-0.97 -1.67 35.68	-6.92 -1.63 40.05	33.66 -1.65 0.52	35.61 -1.64 0.00	37.14 -1.63 0.00	39.92 -1.84 0.00	42.56 -1.86 0.00	44.27 -1.99 0.00	50.33 -1.34 0.00	54.95 -1.47 0.00	55.29 -1.13 0.00	55.68 -0.62 0.00	54.13 0.11 0.00	51.55 0.21 0.00	45.66 0.27 0.00	41.06 0.37 0.00
AMERICAN_REF_FUEL 24010	40.07 -1.67 0.00	35.57 -2.07 0.00	31.54 -1.94 0.00	31.35 -1.82 0.00	30.28 -2.03 0.00	29.98 -1.25 0.00	31.98 -1.76 0.00	32.32 -1.88 0.00	34.60 -1.78 0.00	33.44 -1.32 0.00	34.54 -1.29 0.00	35.87 -1.38 0.00	36.83 -1.94 0.00	39.62 -2.13 0.00	41.90 -2.53 0.00	43.71 -2.54 0.00	48.58 -3.10 0.00	53.65 -2.76 0.00	54.27 -2.14 0.00	54.73 -1.58 0.00	51.91 -2.11 0.00	49.14 -2.21 0.00	43.16 -2.22 0.00	39.31 -1.38 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	40.36 -1.38 0.00	35.91 -1.73 0.00	32.14 -1.34 0.00	31.98 -1.19 0.00	30.95 -1.36 0.00	30.39 -0.84 0.00	32.66 -1.08 0.00	33.31 -0.89 0.00	35.69 -0.69 0.00	34.42 -0.35 0.00	35.47 -0.36 0.00	36.80 -0.45 0.00	37.72 -1.04 0.00	40.50 -1.25 0.00	42.70 -1.73 0.00	44.64 -1.62 0.00	49.61 -2.07 0.00	54.89 -1.52 0.00	55.74 -0.67 0.00	56.47 0.17 0.00	53.58 -0.43 0.00	50.93 -0.41 0.00	44.75 -0.64 0.00	40.37 -0.33 0.00
ARTHUR KILL_GT_1 23520	45.25 3.51 -0.01	40.55 2.90 -0.01	35.90 2.41 -0.01	35.40 2.22 0.00	34.44 2.13 0.00	33.23 2.00 0.00	36.34 2.60 0.00	37.25 3.04 -0.01	39.80 3.42 0.00	38.21 3.44 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.00 4.23 -0.01	46.44 4.68 -0.01	49.37 4.93 -0.01	51.26 5.00 -0.01	56.72 5.12 0.07	57.87 5.08 3.62	56.73 4.74 4.42	55.14 3.55 4.71	55.52 3.08 1.58	54.69 3.34 -0.01	48.93 3.54 -0.01	43.92 3.21 -0.01
ARTHUR_KILL_2 23512	45.09 3.34 -0.01	40.43 2.79 -0.01	35.79 2.31 -0.01	35.30 2.12 0.00	34.35 2.04 0.00	33.14 1.91 0.00	36.24 2.50 0.00	37.15 2.94 -0.01	39.66 3.28 0.00	38.07 3.30 -0.01	39.39 3.55 -0.01	41.02 3.76 -0.01	42.88 4.11 -0.01	46.27 4.51 -0.01	49.24 4.80 -0.01	51.07 4.81 -0.01	56.16 4.55 0.07	57.81 5.02 3.62	56.51 4.51 4.42	55.20 3.61 4.71	55.25 2.81 1.58	54.23 2.87 -0.01	48.66 3.27 -0.01	43.76 3.05 0.00
ARTHUR_KILL_3 23513	44.58 2.84 0.00	39.97 2.33 0.00	35.29 1.81 0.00	34.82 1.66 0.01	33.95 1.65 0.01	32.78 1.56 0.01	35.65 1.92 0.01	36.67 2.46 0.00	39.22 2.84 0.00	37.68 2.92 0.00	38.95 3.12 0.00	40.64 3.39 0.00	42.52 3.76 0.00	45.93 4.17 0.00	48.91 4.49 0.00	50.79 4.54 0.00	55.89 4.29 0.08	57.64 4.85 3.63	56.39 4.40 4.43	55.13 3.55 4.72	55.13 2.70 1.59	54.07 2.72 0.00	48.29 2.91 0.00	43.43 2.73 -0.01



ARTHUR_KILL_COGEN 323718	45.21 3.46 -0.01	40.55 2.90 -0.01	35.90 2.41 -0.01	35.40 2.22 0.00	34.44 2.13 0.00	33.23 2.00 0.00	36.34 2.60 0.00	37.25 3.04 -0.01	39.80 3.42 0.00	38.21 3.44 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.00 4.23 -0.01	46.44 4.68 -0.01	49.37 4.93 -0.01	51.26 5.00 -0.01	56.42 4.81 0.07	58.10 5.30 3.62	56.79 4.79 4.42	55.47 3.88 4.71	55.46 3.02 1.58	54.49 3.13 -0.01	48.84 3.45 -0.01	43.92 3.21 -0.01
ASHOKAN____ 23654	44.37 2.63 0.00	39.75 2.11 0.00	35.32 1.84 0.00	34.96 1.79 0.00	34.12 1.81 0.00	32.76 1.53 0.00	35.16 1.42 0.00	35.71 1.50 0.00	38.02 1.64 0.00	36.05 1.29 0.00	37.09 1.25 0.00	38.63 1.38 0.00	40.43 1.67 0.00	43.63 1.88 0.00	45.11 3.20 2.52	49.85 3.61 0.02	51.35 4.03 4.37	55.69 4.97 5.69	61.19 4.79 0.02	57.92 4.17 2.55	52.63 3.46 4.84	54.57 3.24 0.02	45.67 2.91 2.62	41.78 2.48 1.39
ASTORIA_EAST_ENERGY_CC1 323581	45.09 3.34 -0.01	40.39 2.75 -0.01	35.76 2.28 -0.01	35.31 2.12 -0.01	34.35 2.04 0.00	33.07 1.84 0.00	36.07 2.33 0.00	37.02 2.81 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.76 -0.01	51.12 4.86 -0.01	56.65 4.96 -0.01	61.84 5.42 -0.01	61.39 4.97 -0.01	60.37 4.06 -0.01	57.32 3.30 -0.01	54.59 3.24 -0.01	48.75 3.36 -0.01	43.83 3.13 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	45.09 3.34 -0.01	40.39 2.75 -0.01	35.76 2.28 -0.01	35.31 2.12 -0.01	34.35 2.04 0.00	33.07 1.84 0.00	36.07 2.33 0.00	37.02 2.81 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.76 -0.01	51.12 4.86 -0.01	56.65 4.96 -0.01	61.84 5.42 -0.01	61.39 4.97 -0.01	60.37 4.06 -0.01	57.32 3.30 -0.01	54.59 3.24 -0.01	48.75 3.36 -0.01	43.83 3.13 -0.01
ASTORIA_GT2_1 24094	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT2_2 24095	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT2_3 24096	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT2_4 24097	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT3_1 24098	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT3_2 24099	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT3_3 24100	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT3_4 24101	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT4_1 24102	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT4_2 24103	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT4_3 24104	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01



ASTORIA_GT4_4 24105	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.91 5.22 -0.01	61.67 5.25 -0.01	61.38 4.96 0.00	60.03 3.72 -0.01	57.37 3.35 -0.01	54.74 3.39 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
ASTORIA_GT_1 23523	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.37 2.19 -0.01	34.41 2.10 0.00	33.14 1.91 0.00	36.13 2.40 0.00	37.12 2.91 -0.01	39.69 3.31 0.00	38.07 3.30 -0.01	39.32 3.48 -0.01	40.98 3.72 -0.01	42.92 4.15 -0.01	46.35 4.59 -0.01	49.32 4.89 -0.01	51.26 5.00 -0.01	57.06 5.37 -0.01	61.84 5.42 -0.01	61.49 5.08 0.00	60.20 3.88 -0.01	57.48 3.46 -0.01	54.85 3.49 -0.01	48.93 3.54 -0.01	43.96 3.26 -0.01
ASTORIA_GT_10 24110	44.95 3.21 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.55 3.17 0.00	38.00 3.23 -0.01	39.24 3.40 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.75 -0.01	51.08 4.81 -0.01	56.69 5.01 0.00	61.44 5.02 0.00	61.10 4.68 0.00	59.79 3.49 0.00	57.10 3.08 0.00	54.48 3.13 0.00	48.65 3.27 0.00	43.74 3.05 0.00
ASTORIA_GT_11 24225	44.95 3.21 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.55 3.17 0.00	38.00 3.23 -0.01	39.24 3.40 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.75 -0.01	51.08 4.81 -0.01	56.69 5.01 0.00	61.44 5.02 0.00	61.10 4.68 0.00	59.79 3.49 0.00	57.10 3.08 0.00	54.48 3.13 0.00	48.65 3.27 0.00	43.74 3.05 0.00
ASTORIA_GT_12 24226	44.95 3.21 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.55 3.17 0.00	38.00 3.23 -0.01	39.24 3.40 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.75 -0.01	51.08 4.81 -0.01	56.69 5.01 0.00	61.44 5.02 0.00	61.10 4.68 0.00	59.79 3.49 0.00	57.10 3.08 0.00	54.48 3.13 0.00	48.65 3.27 0.00	43.74 3.05 0.00
ASTORIA_GT_13 24227	44.95 3.21 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.55 3.17 0.00	38.00 3.23 -0.01	39.24 3.40 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.75 -0.01	51.08 4.81 -0.01	56.69 5.01 0.00	61.44 5.02 0.00	61.10 4.68 0.00	59.79 3.49 0.00	57.10 3.08 0.00	54.48 3.13 0.00	48.65 3.27 0.00	43.74 3.05 0.00
ASTORIA_GT_5 24106	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.37 2.19 -0.01	34.41 2.10 0.00	33.14 1.91 0.00	36.13 2.40 0.00	37.12 2.91 -0.01	39.69 3.31 0.00	38.07 3.30 -0.01	39.32 3.48 -0.01	40.98 3.72 -0.01	42.92 4.15 -0.01	46.35 4.59 -0.01	49.32 4.89 -0.01	51.26 5.00 -0.01	57.06 5.37 -0.01	61.84 5.42 -0.01	61.49 5.08 0.00	60.20 3.88 -0.01	57.48 3.46 -0.01	54.85 3.49 -0.01	48.93 3.54 -0.01	43.96 3.26 -0.01
ASTORIA_GT_7 24107	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.37 2.19 -0.01	34.41 2.10 0.00	33.14 1.91 0.00	36.13 2.40 0.00	37.12 2.91 -0.01	39.69 3.31 0.00	38.07 3.30 -0.01	39.32 3.48 -0.01	40.98 3.72 -0.01	42.92 4.15 -0.01	46.35 4.59 -0.01	49.32 4.89 -0.01	51.26 5.00 -0.01	57.06 5.37 -0.01	61.84 5.42 -0.01	61.49 5.08 0.00	60.20 3.88 -0.01	57.48 3.46 -0.01	54.85 3.49 -0.01	48.93 3.54 -0.01	43.96 3.26 -0.01
ASTORIA_GT_8 24108	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.37 2.19 -0.01	34.41 2.10 0.00	33.14 1.91 0.00	36.13 2.40 0.00	37.12 2.91 -0.01	39.69 3.31 0.00	38.07 3.30 -0.01	39.32 3.48 -0.01	40.98 3.72 -0.01	42.92 4.15 -0.01	46.35 4.59 -0.01	49.32 4.89 -0.01	51.26 5.00 -0.01	57.06 5.37 -0.01	61.84 5.42 -0.01	61.49 5.08 0.00	60.20 3.88 -0.01	57.48 3.46 -0.01	54.85 3.49 -0.01	48.93 3.54 -0.01	43.96 3.26 -0.01
ASTORIA___2 24149	45.09 3.34 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.24 4.80 -0.01	51.17 4.90 -0.01	56.65 4.96 -0.01	61.89 5.47 -0.01	61.39 4.97 -0.01	60.37 4.06 -0.01	57.32 3.30 -0.01	54.59 3.24 -0.01	48.75 3.36 -0.01	43.83 3.13 -0.01
ASTORIA___3 23516	44.91 3.17 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.54 3.16 0.00	38.00 3.23 -0.01	39.25 3.41 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.76 -0.01	51.12 4.86 -0.01	56.43 4.75 0.00	61.66 5.25 0.00	61.15 4.74 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.56 3.18 0.00	43.70 3.01 0.00
ASTORIA___4 23517	44.95 3.21 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.55 3.17 0.00	38.00 3.23 -0.01	39.24 3.40 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.75 -0.01	51.08 4.81 -0.01	56.69 5.01 0.00	61.44 5.02 0.00	61.10 4.68 0.00	59.79 3.49 0.00	57.10 3.08 0.00	54.48 3.13 0.00	48.65 3.27 0.00	43.74 3.05 0.00
ASTORIA___5 23518	44.91 3.17 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.54 3.16 0.00	38.00 3.23 -0.01	39.25 3.41 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.76 -0.01	51.12 4.86 -0.01	56.43 4.75 0.00	61.66 5.25 0.00	61.15 4.74 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.56 3.18 0.00	43.70 3.01 0.00
AST_ENERGY_2_CC3 323677	38.25 3.01 6.50	38.25 2.45 1.83	35.42 1.94 0.00	35.00 1.82 0.00	34.09 1.78 0.00	32.95 1.72 0.00	35.80 2.06 0.00	36.77 2.57 0.00	38.25 2.98 1.11	37.79 3.02 0.00	38.25 3.23 0.81	38.25 3.46 2.46	38.25 3.84 4.35	38.25 4.26 7.76	38.25 4.58 10.76	38.25 4.63 12.63	38.25 4.55 17.98	38.25 5.13 23.30	38.25 4.68 22.84	38.25 3.83 21.88	38.25 2.97 18.74	38.25 2.93 16.02	38.25 2.99 10.13	38.25 2.81 5.25
AST_ENERGY_2_CC4 323678	38.25 3.01 6.50	38.25 2.45 1.83	35.42 1.94 0.00	35.00 1.82 0.00	34.09 1.78 0.00	32.95 1.72 0.00	35.80 2.06 0.00	36.77 2.57 0.00	38.25 2.98 1.11	37.79 3.02 0.00	38.25 3.23 0.81	38.25 3.46 2.46	38.25 3.84 4.35	38.25 4.26 7.76	38.25 4.58 10.76	38.25 4.63 12.63	38.25 4.55 17.98	38.25 5.13 23.30	38.25 4.68 22.84	38.25 3.83 21.88	38.25 2.97 18.74	38.25 2.93 16.02	38.25 2.99 10.13	38.25 2.81 5.25



ATHENS_STG_1 23668	43.37 1.63 0.00	38.92 1.28 0.00	34.65 1.17 0.00	34.30 1.13 0.00	33.47 1.16 0.00	32.26 1.03 0.00	34.82 1.08 0.00	35.50 1.30 0.00	37.87 1.49 0.00	36.19 1.43 0.00	37.34 1.50 0.00	38.81 1.56 0.00	40.55 1.78 0.00	43.71 1.96 0.00	46.52 2.09 0.00	48.39 2.13 0.00	53.80 2.12 0.00	59.01 2.60 0.00	58.78 2.37 0.00	58.16 1.86 0.00	55.37 1.35 0.00	52.63 1.28 0.00	46.70 1.32 0.00	41.91 1.22 0.00
ATHENS_STG_2 23670	43.37 1.63 0.00	38.92 1.28 0.00	34.65 1.17 0.00	34.30 1.13 0.00	33.47 1.16 0.00	32.26 1.03 0.00	34.82 1.08 0.00	35.50 1.30 0.00	37.87 1.49 0.00	36.19 1.43 0.00	37.34 1.50 0.00	38.81 1.56 0.00	40.55 1.78 0.00	43.71 1.96 0.00	46.52 2.09 0.00	48.39 2.13 0.00	53.80 2.12 0.00	59.01 2.60 0.00	58.78 2.37 0.00	58.16 1.86 0.00	55.37 1.35 0.00	52.63 1.28 0.00	46.70 1.32 0.00	41.91 1.22 0.00
ATHENS_STG_3 23677	43.37 1.63 0.00	38.92 1.28 0.00	34.65 1.17 0.00	34.30 1.13 0.00	33.47 1.16 0.00	32.26 1.03 0.00	34.82 1.08 0.00	35.50 1.30 0.00	37.87 1.49 0.00	36.19 1.43 0.00	37.34 1.50 0.00	38.81 1.56 0.00	40.55 1.78 0.00	43.71 1.96 0.00	46.52 2.09 0.00	48.39 2.13 0.00	53.80 2.12 0.00	59.01 2.60 0.00	58.78 2.37 0.00	58.16 1.86 0.00	55.37 1.35 0.00	52.63 1.28 0.00	46.70 1.32 0.00	41.91 1.22 0.00
AUBURN___LFGE 323710	41.70 -0.04 0.00	37.60 -0.04 0.00	33.51 0.03 0.00	33.21 0.03 0.00	32.28 -0.03 0.00	31.32 0.09 0.00	34.04 0.30 0.00	34.58 0.38 0.00	36.78 0.40 0.00	35.18 0.42 0.00	36.19 0.36 0.00	37.62 0.37 0.00	39.00 0.23 0.00	41.96 0.21 0.00	44.65 0.22 0.00	46.67 0.42 0.00	52.09 0.41 0.00	57.20 0.79 0.00	57.49 1.07 0.00	57.43 1.13 0.00	54.94 0.92 0.00	52.06 0.72 0.00	45.70 0.32 0.00	40.86 0.16 0.00
BABYLON_RES_REC 323704	45.88 4.13 -0.01	40.88 3.24 0.00	35.86 2.38 0.00	35.13 1.96 0.00	34.22 1.91 0.00	32.88 1.65 0.00	36.03 2.30 0.00	36.97 2.77 0.00	39.66 3.28 0.00	38.48 3.72 0.00	39.75 3.91 -0.01	41.35 4.10 -0.01	46.14 4.49 -2.88	48.16 5.01 -1.40	49.84 5.28 -0.12	52.58 5.32 -1.01	59.12 5.48 -1.97	67.41 6.37 -4.62	65.63 5.92 -3.29	60.70 4.39 0.00	56.99 2.97 0.00	53.92 2.57 0.00	48.70 3.31 0.00	44.52 3.82 -0.01
BALL_HILL_WT_PWR 323825	40.57 -1.17 0.00	36.06 -1.58 0.00	32.24 -1.24 0.00	32.05 -1.13 0.00	31.02 -1.29 0.00	30.42 -0.81 0.00	32.69 -1.05 0.00	33.28 -0.92 0.00	35.62 -0.77 0.00	34.38 -0.38 0.00	35.51 -0.32 0.00	36.87 -0.37 0.00	37.83 -0.93 0.00	40.71 -1.04 0.00	42.96 -1.47 0.00	44.91 -1.34 0.00	49.92 -1.76 0.00	55.23 -1.19 0.00	55.96 -0.45 0.00	56.53 0.23 0.00	53.64 -0.38 0.00	50.78 -0.56 0.00	44.61 -0.77 0.00	40.33 -0.37 0.00
BARON_WINDS___WT_PWR 323822	40.44 -1.29 0.00	36.17 -1.47 0.00	32.41 -1.07 0.00	32.14 -1.03 0.00	31.21 -1.10 0.00	30.48 -0.75 0.00	32.96 -0.77 0.00	33.48 -0.72 0.00	35.62 -0.77 0.00	34.24 -0.52 0.00	35.30 -0.54 0.00	36.65 -0.60 0.00	37.80 -0.97 0.00	40.63 -1.13 0.00	43.27 -1.16 0.00	45.24 -1.02 0.00	50.44 -1.24 0.00	55.85 -0.56 0.00	56.64 0.23 0.00	57.26 0.96 0.00	54.56 0.54 0.00	51.71 0.36 0.00	45.29 -0.09 0.00	40.61 -0.08 0.00
BARRETT_IC_1 23704	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	78.34 4.86 -21.80	113.58 5.53 -51.63	101.18 5.13 -39.63	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_10 23701	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	63.20 4.86 -6.66	77.72 5.53 -15.77	73.65 5.13 -12.11	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_11 23702	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	63.20 4.86 -6.66	77.72 5.53 -15.77	73.65 5.13 -12.11	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_12 23703	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	63.20 4.86 -6.66	77.72 5.53 -15.77	73.65 5.13 -12.11	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_2 23705	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	78.34 4.86 -21.80	113.58 5.53 -51.63	101.18 5.13 -39.63	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_3 23706	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	78.34 4.86 -21.80	113.58 5.53 -51.63	101.18 5.13 -39.63	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_4 23707	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	78.34 4.86 -21.80	113.58 5.53 -51.63	101.18 5.13 -39.63	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_5 23708	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	78.34 4.86 -21.80	113.58 5.53 -51.63	101.18 5.13 -39.63	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01



BARRETT_IC_6 23709	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	78.34 4.86 -21.80	113.58 5.53 -51.63	101.18 5.13 -39.63	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_7 23710	45.41 3.67 0.00	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.38 3.55 0.00	41.01 3.76 0.00	45.71 4.07 -2.88	47.58 4.43 -1.40	50.43 4.71 -1.29	51.02 4.76 0.00	78.55 5.06 -21.80	113.41 5.36 -51.63	101.12 5.08 -39.63	59.51 3.21 0.00	56.39 2.38 0.00	53.71 2.36 0.00	48.52 3.13 0.00	44.11 3.42 0.00
BARRETT_IC_8 23711	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	78.34 4.86 -21.80	113.58 5.53 -51.63	101.18 5.13 -39.63	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT_IC_9 23700	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	63.20 4.86 -6.66	77.72 5.53 -15.77	73.65 5.13 -12.11	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT___1 23545	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	78.34 4.86 -21.80	113.58 5.53 -51.63	101.18 5.13 -39.63	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BARRETT___2 23546	45.42 3.67 -0.01	40.58 2.94 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.39 3.55 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	50.43 4.71 -1.29	51.03 4.77 -0.01	63.20 4.86 -6.66	77.72 5.53 -15.77	73.65 5.13 -12.11	60.13 3.83 0.00	56.56 2.54 0.00	53.66 2.31 0.00	48.33 2.95 0.00	44.12 3.42 -0.01
BATAVIA___115KV_TB1 55881	41.53 -0.21 0.00	36.85 -0.79 0.00	32.94 -0.54 0.00	32.71 -0.46 0.00	31.60 -0.71 0.00	31.07 -0.16 0.00	33.54 -0.20 0.00	33.96 -0.24 0.00	36.31 -0.07 0.00	35.01 0.24 0.00	36.08 0.25 0.00	37.51 0.26 0.00	38.49 -0.27 0.00	41.38 -0.38 0.00	43.90 -0.53 0.00	45.89 -0.37 0.00	50.90 -0.78 0.00	56.47 0.06 0.00	57.20 0.79 0.00	57.49 1.18 0.00	55.04 1.03 0.00	51.76 0.41 0.00	45.34 -0.05 0.00	41.14 0.45 0.00
BAYONEEC___CTG1 323682	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BAYONEEC___CTG10 323750	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BAYONEEC___CTG2 323683	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BAYONEEC___CTG3 323684	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BAYONEEC___CTG4 323685	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BAYONEEC___CTG5 323686	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BAYONEEC___CTG6 323687	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BAYONEEC___CTG7 323688	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00



BAYONEEC___CTG8 323689	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BAYONEEC___CTG9 323749	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.24 4.55 -0.01	61.60 5.19 0.00	61.09 4.68 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.47 3.09 0.00	43.58 2.89 0.00
BEACON___LESR 323632	43.53 1.79 0.00	39.18 1.54 0.00	34.78 1.30 0.00	34.40 1.23 0.00	33.57 1.26 0.00	32.42 1.19 0.00	34.79 1.05 0.00	35.37 1.16 0.00	37.62 1.24 0.00	35.87 1.11 0.00	36.94 1.11 0.00	38.44 1.19 0.00	40.01 1.24 0.00	43.09 1.34 0.00	45.72 1.29 0.00	47.60 1.34 0.00	53.02 1.34 0.00	58.22 1.80 0.00	58.22 1.80 0.00	57.71 1.41 0.00	54.88 0.86 0.00	52.27 0.93 0.00	46.25 0.86 0.00	41.43 0.73 0.00
BEAVER RIVER___HYD 24048	42.45 0.71 0.00	38.20 0.57 0.00	33.95 0.47 0.00	33.67 0.50 0.00	32.73 0.42 0.00	31.73 0.50 0.00	34.38 0.64 0.00	34.75 0.55 0.00	34.68 0.51 2.21	32.53 0.25 2.48	35.84 0.04 0.03	37.28 0.04 0.00	38.61 -0.15 0.00	41.59 -0.17 0.00	44.16 -0.26 0.00	46.12 -0.14 0.00	51.83 0.16 0.00	56.86 0.45 0.00	57.31 0.90 0.00	57.65 1.35 0.00	55.53 1.51 0.00	52.99 1.64 0.00	46.61 1.23 0.00	41.59 0.89 0.00
BEEBEE_GT_13 23619	41.20 -0.54 0.00	36.89 -0.75 0.00	32.91 -0.57 0.00	32.64 -0.53 0.00	31.63 -0.68 0.00	30.86 -0.37 0.00	33.40 -0.34 0.00	33.86 -0.34 0.00	36.20 -0.18 0.00	34.83 0.07 0.00	35.94 0.11 0.00	37.40 0.15 0.00	38.49 -0.27 0.00	41.42 -0.33 0.00	43.90 -0.53 0.00	45.84 -0.42 0.00	50.95 -0.72 0.00	56.25 -0.17 0.00	56.64 0.23 0.00	56.70 0.39 0.00	54.29 0.27 0.00	51.14 -0.21 0.00	44.93 -0.45 0.00	40.49 -0.20 0.00
BENSHRST_27_KV_BENSHRST_1 355998	45.42 3.67 -0.01	40.70 3.05 -0.01	35.96 2.48 -0.01	35.50 2.32 0.00	34.54 2.23 0.00	33.29 2.06 0.00	36.37 2.63 0.00	37.32 3.11 -0.01	39.91 3.53 0.00	38.39 3.62 -0.01	39.67 3.83 -0.01	41.39 4.13 -0.01	43.31 4.54 -0.01	46.77 5.01 -0.01	49.77 5.33 -0.01	51.68 5.41 -0.01	57.41 5.74 0.00	62.23 5.81 0.00	61.89 5.47 0.00	60.58 4.28 0.00	57.80 3.78 0.00	55.15 3.80 -0.01	49.21 3.81 -0.01	44.21 3.50 -0.01
BETHLEHEM___GRP 23843	42.99 1.25 0.00	38.69 1.05 0.00	34.38 0.90 0.00	34.04 0.86 0.00	33.21 0.90 0.00	32.07 0.84 0.00	34.35 0.61 0.00	34.92 0.72 0.00	37.11 0.73 0.00	35.42 0.66 0.00	36.51 0.68 0.00	37.92 0.67 0.00	39.50 0.74 0.00	42.55 0.79 0.00	45.14 0.71 0.00	46.95 0.69 0.00	52.35 0.67 0.00	57.26 0.85 0.00	57.20 0.79 0.00	56.58 0.28 0.00	54.02 0.00 0.00	51.45 0.10 0.00	45.57 0.18 0.00	40.81 0.12 0.00
BETHLEHEM___GS1 323560	42.95 1.21 0.00	38.69 1.05 0.00	34.38 0.90 0.00	34.03 0.86 0.00	33.21 0.90 0.00	32.07 0.84 0.00	34.35 0.61 0.00	34.92 0.72 0.00	37.11 0.73 0.00	35.42 0.66 0.00	36.48 0.65 0.00	37.92 0.67 0.00	39.50 0.73 0.00	42.54 0.79 0.00	45.14 0.71 0.00	46.90 0.65 0.00	52.25 0.57 0.00	57.37 0.96 0.00	57.26 0.85 0.00	56.75 0.45 0.00	54.02 0.00 0.00	51.40 0.05 0.00	45.52 0.14 0.00	40.82 0.12 0.00
BETHLEHEM___GS2 323561	42.95 1.21 0.00	38.69 1.05 0.00	34.38 0.90 0.00	34.03 0.86 0.00	33.21 0.90 0.00	32.07 0.84 0.00	34.35 0.61 0.00	34.92 0.72 0.00	37.11 0.73 0.00	35.42 0.66 0.00	36.48 0.65 0.00	37.92 0.67 0.00	39.50 0.73 0.00	42.54 0.79 0.00	45.14 0.71 0.00	46.90 0.65 0.00	52.25 0.57 0.00	57.37 0.96 0.00	57.26 0.85 0.00	56.75 0.45 0.00	54.02 0.00 0.00	51.40 0.05 0.00	45.52 0.14 0.00	40.82 0.12 0.00
BETHLEHEM___GS3 323562	42.95 1.21 0.00	38.69 1.05 0.00	34.38 0.90 0.00	34.03 0.86 0.00	33.21 0.90 0.00	32.07 0.84 0.00	34.35 0.61 0.00	34.92 0.72 0.00	37.11 0.73 0.00	35.42 0.66 0.00	36.48 0.65 0.00	37.92 0.67 0.00	39.50 0.73 0.00	42.54 0.79 0.00	45.14 0.71 0.00	46.90 0.65 0.00	52.25 0.57 0.00	57.37 0.96 0.00	57.26 0.85 0.00	56.75 0.45 0.00	54.02 0.00 0.00	51.40 0.05 0.00	45.52 0.14 0.00	40.82 0.12 0.00
BETHLEHEM___STEEL 23779	40.49 -1.25 0.00	35.98 -1.66 0.00	32.24 -1.24 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.39 -0.84 0.00	32.66 -1.08 0.00	33.21 -0.99 0.00	35.54 -0.84 0.00	34.35 -0.42 0.00	35.40 -0.43 0.00	36.84 -0.41 0.00	37.83 -0.93 0.00	40.71 -1.04 0.00	43.01 -1.42 0.00	44.96 -1.30 0.00	49.77 -1.91 0.00	55.17 -1.24 0.00	55.91 -0.51 0.00	56.02 -0.28 0.00	53.53 -0.49 0.00	50.37 -0.98 0.00	44.25 -1.13 0.00	40.24 -0.45 0.00
BETHLHEM_115KV_TB1 79974	42.99 1.25 0.00	38.69 1.05 0.00	34.42 0.94 0.00	34.07 0.90 0.00	33.25 0.94 0.00	32.07 0.84 0.00	34.38 0.64 0.00	34.99 0.79 0.00	37.18 0.80 0.00	35.49 0.73 0.00	36.58 0.75 0.00	38.03 0.78 0.00	39.58 0.81 0.00	42.63 0.88 0.00	45.27 0.84 0.00	47.09 0.83 0.00	52.51 0.83 0.00	57.37 0.96 0.00	57.37 0.96 0.00	56.75 0.45 0.00	54.18 0.16 0.00	51.60 0.26 0.00	45.70 0.32 0.00	40.94 0.24 0.00
BETHPAGE_CC_5 323564	45.75 4.01 -0.01	40.84 3.20 0.00	35.82 2.34 0.00	35.13 1.96 0.00	34.25 1.94 0.00	32.92 1.69 0.00	36.03 2.30 0.00	37.01 2.81 0.00	39.69 3.31 0.00	38.45 3.68 0.00	39.71 3.87 -0.01	41.39 4.13 -0.01	46.14 4.49 -2.88	48.07 4.92 -1.40	49.78 5.20 -0.16	51.96 5.23 -0.48	59.38 5.42 -2.28	68.05 6.26 -5.37	66.23 5.76 -4.06	60.64 4.34 0.00	56.93 2.91 0.00	53.91 2.57 0.00	48.56 3.18 0.00	44.40 3.70 -0.01
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	40.45 -1.29 0.00	35.98 -1.66 0.00	32.24 -1.24 0.00	32.01 -1.16 0.00	30.99 -1.32 0.00	30.42 -0.81 0.00	32.69 -1.05 0.00	33.28 -0.92 0.00	35.62 -0.76 0.00	34.38 -0.38 0.00	35.44 -0.39 0.00	36.91 -0.34 0.00	37.91 -0.85 0.00	40.79 -0.96 0.00	43.10 -1.33 0.00	45.05 -1.20 0.00	49.92 -1.76 0.00	55.29 -1.13 0.00	56.08 -0.34 0.00	56.13 -0.17 0.00	53.69 -0.32 0.00	50.52 -0.82 0.00	44.34 -1.04 0.00	40.29 -0.41 0.00
BINGHAMTON___COGEN 23790	41.86 0.13 0.00	37.60 -0.04 0.00	33.51 0.03 0.00	33.24 0.07 0.00	32.34 0.03 0.00	31.39 0.16 0.00	34.04 0.30 0.00	34.68 0.48 0.00	36.93 0.55 0.00	35.35 0.59 0.00	36.41 0.57 0.00	37.84 0.60 0.00	39.27 0.50 0.00	42.29 0.54 0.00	45.01 0.58 0.00	46.95 0.69 0.00	52.40 0.72 0.00	57.54 1.13 0.00	57.82 1.41 0.00	57.60 1.29 0.00	55.10 1.08 0.00	52.17 0.82 0.00	45.93 0.54 0.00	41.10 0.41 0.00



BIXINCNT_115KV_LOAD 355685	39.15 -2.59 0.00	35.12 -2.52 0.00	31.57 -1.91 0.00	31.51 -1.66 0.00	30.57 -1.74 0.00	30.07 -1.16 0.00	32.52 -1.21 0.00	33.18 -1.03 0.00	35.40 -0.98 0.00	34.21 -0.56 0.00	35.33 -0.50 0.00	36.76 -0.48 0.00	37.64 -1.12 0.00	40.37 -1.38 0.00	42.43 -2.00 0.00	44.41 -1.85 0.00	49.46 -2.22 0.00	54.95 -1.47 0.00	55.79 -0.62 0.00	56.02 -0.28 0.00	53.64 -0.38 0.00	50.58 -0.77 0.00	44.39 -1.00 0.00	40.16 -0.53 0.00
BLACK RIVER___HYD 24047	42.91 1.17 0.00	38.62 0.98 0.00	34.35 0.87 0.00	34.10 0.93 0.00	33.08 0.77 0.00	32.14 0.91 0.00	34.85 1.11 0.00	35.16 0.96 0.00	35.80 0.94 1.52	33.65 0.59 1.71	36.17 0.36 0.02	37.66 0.41 0.00	38.88 0.12 0.00	41.88 0.13 0.00	44.43 0.00 0.00	46.54 0.28 0.00	52.45 0.78 0.00	57.65 1.24 0.00	58.22 1.80 0.00	58.84 2.54 0.00	56.56 2.54 0.00	53.96 2.62 0.00	47.25 1.86 0.00	42.08 1.38 0.00
BLACKRVR_115KV_TB2 79977	42.91 1.17 0.00	38.62 0.98 0.00	34.35 0.87 0.00	34.10 0.93 0.00	33.09 0.78 0.00	32.14 0.91 0.00	34.85 1.11 0.00	35.16 0.96 0.00	35.81 0.95 1.52	33.65 0.59 1.71	36.17 0.36 0.02	37.66 0.41 0.00	38.88 0.12 0.00	41.88 0.13 0.00	44.43 0.00 0.00	46.53 0.28 0.00	52.40 0.72 0.00	57.66 1.24 0.00	58.22 1.81 0.00	58.72 2.42 0.00	56.56 2.54 0.00	53.96 2.62 0.00	47.20 1.82 0.00	42.08 1.38 0.00
BLDWN_LI_69_KV_BK4 356085	45.79 4.05 0.00	40.88 3.24 0.00	35.89 2.41 0.00	35.20 2.02 0.00	34.31 2.00 0.00	32.98 1.75 0.00	36.07 2.33 0.00	37.01 2.80 0.00	39.69 3.31 0.00	38.45 3.68 0.00	39.70 3.87 0.00	41.38 4.13 0.00	46.10 4.46 -2.88	48.08 4.93 -1.40	50.17 5.29 -0.45	51.62 5.37 0.00	64.57 5.79 -7.10	79.49 6.26 -16.82	75.30 5.98 -12.91	60.30 4.00 0.00	57.15 3.13 0.00	54.27 2.93 0.00	48.97 3.59 0.00	44.52 3.83 0.00
BLISS_WT_PWR 323608	38.82 -2.92 0.00	34.85 -2.78 0.00	31.34 -2.14 0.00	31.32 -1.86 0.00	30.40 -1.91 0.00	29.95 -1.28 0.00	32.35 -1.38 0.00	33.04 -1.16 0.00	35.22 -1.17 0.00	34.03 -0.73 0.00	35.22 -0.61 0.00	36.61 -0.63 0.00	37.49 -1.28 0.00	40.12 -1.63 0.00	42.12 -2.31 0.00	44.08 -2.17 0.00	49.25 -2.43 0.00	54.78 -1.64 0.00	55.51 -0.90 0.00	56.25 -0.06 0.00	53.48 -0.54 0.00	50.63 -0.72 0.00	44.48 -0.91 0.00	40.08 -0.61 0.00
BLUESTONE___WT_PWR 323821	43.07 1.34 0.00	38.62 0.98 0.00	34.38 0.90 0.00	34.14 0.96 0.00	33.15 0.84 0.00	32.26 1.03 0.00	35.09 1.35 0.00	35.71 1.50 0.00	38.02 1.64 0.00	36.12 1.35 0.00	37.01 1.18 0.00	38.47 1.23 0.00	39.89 1.12 0.00	43.05 1.30 0.00	45.76 1.33 0.00	48.06 1.80 0.00	54.06 2.38 0.00	59.69 3.27 0.00	60.30 3.89 0.00	60.53 4.22 0.00	57.80 3.78 0.00	54.89 3.54 0.00	48.02 2.63 0.00	42.85 2.16 0.00
BLUE_CIRC_CHEM_DRP 24182	43.28 1.54 0.00	38.92 1.28 0.00	34.62 1.14 0.00	34.27 1.09 0.00	33.44 1.13 0.00	32.26 1.03 0.00	34.62 0.88 0.00	35.13 0.92 0.00	37.29 0.91 0.00	35.56 0.80 0.00	36.58 0.75 0.00	38.03 0.78 0.00	39.58 0.81 0.00	42.63 0.88 0.00	42.47 0.71 2.67	46.98 0.74 0.02	46.90 -0.16 4.62	50.39 0.00 6.02	56.45 0.06 0.02	53.32 -0.28 2.70	48.40 -0.49 5.13	51.02 -0.31 0.02	42.43 -0.18 2.78	39.02 -0.20 1.47
BOC_GAS_DRP 24189	42.99 1.25 0.00	38.66 1.02 0.00	34.42 0.94 0.00	34.07 0.90 0.00	33.25 0.94 0.00	32.04 0.81 0.00	34.48 0.74 0.00	35.09 0.89 0.00	37.36 0.98 0.00	35.70 0.94 0.00	36.80 0.97 0.00	38.25 1.01 0.00	39.89 1.12 0.00	42.96 1.21 0.00	45.75 1.16 -0.17	47.41 1.16 0.00	53.10 1.14 -0.29	58.14 1.35 -0.38	57.71 1.30 0.00	57.20 0.73 -0.17	54.88 0.54 -0.32	51.91 0.56 0.00	46.15 0.59 -0.17	41.31 0.53 -0.09
BOONVILLE_115KV_TB1 79983	42.62 0.88 0.00	38.35 0.72 0.00	34.11 0.64 0.00	33.80 0.63 0.00	32.89 0.58 0.00	31.89 0.66 0.00	34.52 0.78 0.00	34.96 0.75 0.00	36.38 0.84 0.83	34.45 0.63 0.93	36.29 0.47 0.01	37.73 0.48 0.00	39.15 0.39 0.00	42.21 0.46 0.00	44.83 0.40 0.00	46.81 0.56 0.00	52.51 0.83 0.00	57.60 1.18 0.00	57.94 1.52 0.00	57.99 1.69 0.00	55.69 1.67 0.00	52.99 1.64 0.00	46.57 1.18 0.00	41.59 0.90 0.00
BORALEX_4TH_BRANCH 23824	44.37 2.63 0.00	39.82 2.18 0.00	35.35 1.87 0.00	34.90 1.73 0.00	34.12 1.81 0.00	33.04 1.81 0.00	35.56 1.82 0.00	36.29 2.09 0.00	38.53 2.15 0.00	36.67 1.91 0.00	37.77 1.93 0.00	39.11 1.86 0.00	40.90 2.13 0.00	44.09 2.34 0.00	47.01 2.58 0.00	48.89 2.64 0.00	54.62 2.95 0.00	59.91 3.50 0.00	59.86 3.44 0.00	59.01 2.70 0.00	56.39 2.38 0.00	53.61 2.26 0.00	47.47 2.09 0.00	42.52 1.83 0.00
BOWLINE___1 23526	44.33 2.59 0.00	39.75 2.11 0.00	35.19 1.71 0.00	34.77 1.59 0.00	33.89 1.58 0.00	32.73 1.50 0.00	35.56 1.82 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.33 2.57 0.00	38.55 2.72 0.00	40.15 2.91 0.00	42.02 3.26 0.00	45.34 3.59 0.00	48.25 3.82 0.00	50.09 3.84 0.00	55.50 3.82 0.00	60.87 4.46 0.00	60.53 4.12 0.00	59.57 3.26 0.00	56.56 2.54 0.00	53.76 2.41 0.00	47.83 2.45 0.00	43.01 2.32 0.00
BOWLINE___2 23595	44.33 2.59 0.00	39.75 2.11 0.00	35.19 1.71 0.00	34.77 1.59 0.00	33.89 1.58 0.00	32.73 1.50 0.00	35.56 1.82 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.33 2.57 0.00	38.55 2.72 0.00	40.15 2.91 0.00	42.02 3.26 0.00	45.34 3.59 0.00	48.25 3.82 0.00	50.05 3.79 0.00	55.45 3.77 0.00	60.82 4.40 0.00	60.42 4.01 0.00	59.51 3.21 0.00	56.45 2.43 0.00	53.66 2.31 0.00	47.74 2.36 0.00	42.97 2.28 0.00
BRADY___115KV_TB2 356060	42.16 0.42 0.00	38.09 0.45 0.00	33.81 0.33 0.00	33.54 0.36 0.00	32.57 0.26 0.00	31.48 0.25 0.00	33.94 0.20 0.00	34.27 0.07 0.00	33.67 -0.04 2.68	31.62 -0.14 3.00	35.61 -0.18 0.04	37.06 -0.19 0.00	38.57 -0.19 0.00	41.46 -0.29 0.00	44.16 -0.27 0.00	45.75 -0.51 0.00	51.42 -0.26 0.00	56.08 -0.34 0.00	56.25 -0.17 0.00	56.75 0.45 0.00	54.83 0.81 0.00	52.32 0.98 0.00	46.29 0.91 0.00	41.63 0.94 0.00
BRANSCOMB___SOLAR 323811	44.03 2.29 0.00	39.56 1.92 0.00	35.09 1.61 0.00	34.70 1.53 0.00	33.83 1.52 0.00	32.76 1.53 0.00	35.33 1.59 0.00	35.81 1.61 0.00	37.98 1.60 0.00	36.08 1.32 0.00	37.05 1.22 0.00	38.44 1.19 0.00	40.01 1.24 0.00	43.09 1.34 0.00	45.89 1.46 0.00	47.83 1.57 0.00	53.59 1.91 0.00	58.96 2.54 0.00	59.23 2.82 0.00	59.06 2.76 0.00	56.23 2.22 0.00	53.60 2.26 0.00	47.43 2.04 0.00	42.44 1.75 0.00
BRDGHMPT_69_KV_BK1 55812	46.41 4.67 0.00	41.14 3.50 0.00	35.92 2.44 0.00	35.06 1.89 0.00	34.15 1.84 0.00	32.70 1.47 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.73 3.35 0.00	39.11 4.35 0.00	40.06 4.23 0.00	41.53 4.28 0.00	46.99 5.35 -2.88	49.37 6.22 -1.40	51.52 6.98 -0.12	58.33 7.03 -5.04	62.70 7.86 -3.17	72.34 8.80 -7.12	65.55 7.67 -1.46	61.43 5.12 0.00	57.96 3.94 0.00	55.05 3.70 0.00	49.83 4.45 0.00	45.58 4.88 0.00



BRENTWOD_69_KV_W. BRTWOOD 56703	46.16 4.42 0.00	41.10 3.46 0.00	35.99 2.51 0.00	35.23 2.06 0.00	34.35 2.04 0.00	32.98 1.75 0.00	36.17 2.43 0.00	37.11 2.91 0.00	39.80 3.42 0.00	38.69 3.93 0.00	39.92 4.08 0.00	41.53 4.28 0.00	46.45 4.81 -2.88	48.45 5.30 -1.40	50.02 5.51 -0.08	57.89 5.41 -6.22	58.80 5.68 -1.44	65.95 6.21 -3.33	63.92 5.75 -1.75	59.79 3.49 0.00	56.80 2.75 -0.03	53.95 2.57 -0.03	49.06 3.68 0.00	44.76 4.07 0.00
BRISTLHL_115KV_TB1 79998	40.74 -1.00 0.00	36.85 -0.79 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.63 -0.68 0.00	30.64 -0.59 0.00	33.20 -0.54 0.00	33.59 -0.62 0.00	35.69 -0.69 0.00	34.14 -0.63 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	37.99 -0.78 0.00	40.88 -0.88 0.00	43.54 -0.89 0.00	45.42 -0.83 0.00	50.70 -0.98 0.00	55.57 -0.85 0.00	55.68 -0.73 0.00	55.57 -0.73 0.00	53.21 -0.81 0.00	50.47 -0.87 0.00	44.48 -0.91 0.00	39.80 -0.90 0.00
BROOKHAVEN___DRP 24191	45.66 3.92 0.00	40.58 2.94 0.00	35.49 2.01 0.00	34.73 1.56 0.00	33.83 1.52 0.00	32.48 1.25 0.00	35.63 1.89 0.00	36.56 2.36 0.00	39.18 2.80 0.00	38.38 3.62 0.00	39.45 3.62 0.00	40.90 3.65 0.00	46.10 4.46 -2.88	48.20 5.05 -1.40	50.01 5.46 -0.12	56.59 5.32 -5.01	60.51 5.68 -3.15	69.76 6.26 -7.08	63.28 5.42 -1.45	59.51 3.21 0.00	56.24 2.21 0.00	53.40 2.05 0.00	48.52 3.13 0.00	44.31 3.62 0.00
BROOKLYN_NAVY_YARD 23515	44.78 3.05 0.00	40.16 2.52 0.00	35.45 1.97 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.90 2.16 0.00	36.87 2.67 0.00	39.44 3.06 0.00	37.86 3.09 0.00	39.06 3.23 0.00	40.75 3.50 0.00	42.64 3.88 0.00	46.05 4.30 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.28 4.60 0.00	61.66 5.25 0.00	61.21 4.79 0.00	60.24 3.94 0.00	57.09 3.08 0.00	54.32 2.98 0.00	48.51 3.13 0.00	43.58 2.89 0.00
BROOKLYN___ARMY_DRP 323595	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
BROOME_2_LFGE 323671	41.86 0.13 0.00	37.60 -0.04 0.00	33.51 0.03 0.00	33.24 0.07 0.00	32.34 0.03 0.00	31.39 0.16 0.00	34.04 0.30 0.00	34.68 0.48 0.00	36.93 0.55 0.00	35.35 0.59 0.00	36.40 0.57 0.00	37.88 0.63 0.00	39.27 0.50 0.00	42.29 0.54 0.00	45.00 0.58 0.00	46.95 0.69 0.00	52.40 0.72 0.00	57.60 1.19 0.00	57.83 1.41 0.00	57.82 1.52 0.00	55.10 1.08 0.00	52.22 0.87 0.00	45.93 0.55 0.00	41.10 0.41 0.00
BROOME___LFGE 323600	41.86 0.13 0.00	37.60 -0.04 0.00	33.51 0.03 0.00	33.24 0.07 0.00	32.34 0.03 0.00	31.39 0.16 0.00	34.04 0.30 0.00	34.68 0.48 0.00	36.93 0.55 0.00	35.35 0.59 0.00	36.40 0.57 0.00	37.88 0.63 0.00	39.27 0.50 0.00	42.29 0.54 0.00	45.00 0.58 0.00	46.95 0.69 0.00	52.40 0.72 0.00	57.60 1.19 0.00	57.83 1.41 0.00	57.82 1.52 0.00	55.10 1.08 0.00	52.22 0.87 0.00	45.93 0.55 0.00	41.10 0.41 0.00
BROWNFLS_115KV_TB_3_5 80003	42.16 0.42 0.00	38.02 0.38 0.00	33.78 0.30 0.00	33.51 0.33 0.00	32.54 0.23 0.00	31.51 0.28 0.00	34.08 0.34 0.00	34.44 0.24 0.00	32.58 0.18 3.99	30.25 -0.03 4.47	35.63 -0.14 0.06	37.10 -0.15 0.00	38.49 -0.27 0.00	41.42 -0.33 0.00	44.07 -0.36 0.00	45.75 -0.51 0.00	51.37 -0.31 0.00	56.25 -0.17 0.00	56.53 0.11 0.00	56.92 0.62 0.00	54.83 0.81 0.00	52.48 1.13 0.00	46.34 0.95 0.00	41.51 0.81 0.00
BROWNSV1_27_KV_LOAD 356125	45.25 3.51 0.00	40.50 2.86 0.00	35.76 2.28 0.00	35.33 2.16 0.00	34.41 2.10 0.00	33.23 2.00 0.00	36.17 2.43 0.00	37.14 2.94 0.00	39.76 3.38 0.00	38.20 3.44 0.00	39.49 3.65 0.00	41.16 3.91 0.00	43.07 4.30 0.00	46.55 4.80 0.00	49.54 5.11 0.00	51.48 5.23 0.00	57.16 5.48 0.00	62.17 5.75 0.00	61.83 5.42 0.00	60.58 4.28 0.00	57.74 3.73 0.00	55.04 3.70 0.00	49.02 3.63 0.00	44.07 3.38 0.00
BURROWS___LYONSDAL 23803	42.53 0.79 0.00	38.28 0.64 0.00	34.01 0.54 0.00	33.74 0.56 0.00	32.79 0.48 0.00	31.79 0.56 0.00	34.45 0.71 0.00	34.85 0.65 0.00	35.97 0.69 1.10	33.98 0.45 1.24	36.14 0.32 0.02	37.58 0.34 0.00	38.96 0.19 0.00	42.00 0.25 0.00	44.61 0.18 0.00	46.58 0.32 0.00	52.30 0.62 0.00	57.37 0.96 0.00	57.71 1.30 0.00	57.82 1.52 0.00	55.53 1.51 0.00	52.89 1.54 0.00	46.52 1.13 0.00	41.55 0.85 0.00
CAITHNESS_CC_1 323624	45.63 3.88 -0.01	40.58 2.94 0.00	35.52 2.04 0.00	34.73 1.56 0.00	33.86 1.55 0.00	32.51 1.28 0.00	35.66 1.92 0.00	36.60 2.39 0.00	39.22 2.84 0.00	38.34 3.58 0.00	39.46 3.62 -0.01	40.94 3.69 -0.01	45.87 4.23 -2.88	48.12 4.97 -1.40	49.83 5.28 -0.11	56.53 5.27 -5.00	60.03 5.22 -3.13	69.55 6.09 -7.04	63.16 5.30 -1.45	60.13 3.83 0.00	56.29 2.27 0.00	53.25 1.90 0.00	48.29 2.91 0.00	44.24 3.54 -0.01
CALPINE BETH_PAGE_GT4 24209	45.70 3.97 0.00	40.84 3.20 0.00	35.82 2.34 0.00	35.16 1.99 0.00	34.25 1.94 0.00	32.95 1.72 0.00	36.03 2.29 0.00	37.01 2.80 0.00	39.69 3.31 0.00	38.45 3.68 0.00	39.74 3.91 0.00	41.38 4.13 0.00	46.02 4.38 -2.88	47.95 4.80 -1.40	49.60 4.98 -0.20	51.55 4.95 -0.34	59.88 5.32 -2.88	68.92 5.70 -6.81	66.95 5.36 -5.18	59.68 3.38 0.00	56.56 2.54 0.00	53.71 2.36 0.00	48.70 3.31 0.00	44.40 3.70 0.00
CALPINE_BETH_PAGE_GT_4 323586	45.67 3.92 -0.01	40.84 3.20 0.00	35.82 2.34 0.00	35.16 1.99 0.00	34.25 1.94 0.00	32.95 1.72 0.00	36.03 2.30 0.00	37.01 2.81 0.00	39.69 3.31 0.00	38.45 3.68 0.00	39.71 3.87 -0.01	41.39 4.13 -0.01	46.10 4.46 -2.88	48.03 4.88 -1.40	49.69 5.06 -0.20	51.74 5.13 -0.35	59.83 5.27 -2.88	69.32 6.09 -6.81	67.23 5.64 -5.18	60.53 4.22 0.00	56.83 2.81 0.00	53.81 2.46 0.00	48.43 3.04 0.00	44.36 3.66 -0.01
CALPINE_BP_GT1 23823	45.67 3.92 -0.01	40.84 3.20 0.00	35.82 2.34 0.00	35.16 1.99 0.00	34.25 1.94 0.00	32.95 1.72 0.00	36.03 2.30 0.00	37.01 2.81 0.00	39.69 3.31 0.00	38.45 3.68 0.00	39.71 3.87 -0.01	41.39 4.13 -0.01	46.10 4.46 -2.88	48.03 4.88 -1.40	49.69 5.06 -0.20	51.74 5.13 -0.35	59.83 5.27 -2.88	69.32 6.09 -6.81	67.23 5.64 -5.18	60.53 4.22 0.00	56.83 2.81 0.00	53.81 2.46 0.00	48.43 3.04 0.00	44.36 3.66 -0.01
CALSPAN___DRP 24200	40.49 -1.25 0.00	35.98 -1.66 0.00	32.24 -1.24 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.39 -0.84 0.00	32.66 -1.08 0.00	33.21 -0.99 0.00	35.54 -0.84 0.00	34.35 -0.42 0.00	35.40 -0.43 0.00	36.84 -0.41 0.00	37.83 -0.93 0.00	40.71 -1.04 0.00	43.01 -1.42 0.00	44.96 -1.30 0.00	49.77 -1.91 0.00	55.17 -1.24 0.00	55.91 -0.51 0.00	56.02 -0.28 0.00	53.53 -0.49 0.00	50.37 -0.98 0.00	44.25 -1.13 0.00	40.24 -0.45 0.00



CALVERTON___SOLAR 323806	45.71 3.97 -0.01	40.61 2.97 0.00	35.52 2.04 0.00	34.73 1.56 0.00	33.83 1.52 0.00	32.48 1.25 0.00	35.63 1.89 0.00	36.56 2.36 0.00	39.18 2.80 0.00	38.41 3.65 0.00	39.50 3.66 -0.01	40.94 3.69 -0.01	45.98 4.34 -2.88	48.33 5.18 -1.40	50.19 5.64 -0.12	56.97 5.69 -5.03	60.52 5.68 -3.16	70.22 6.71 -7.10	63.56 5.70 -1.45	60.47 4.17 0.00	56.56 2.54 0.00	53.51 2.16 0.00	48.43 3.04 0.00	44.36 3.66 -0.01
CANDIGU_WT_PWR 323617	40.44 -1.29 0.00	36.17 -1.47 0.00	32.41 -1.07 0.00	32.14 -1.03 0.00	31.21 -1.10 0.00	30.48 -0.75 0.00	32.96 -0.77 0.00	33.48 -0.72 0.00	35.62 -0.77 0.00	34.24 -0.52 0.00	35.30 -0.54 0.00	36.65 -0.60 0.00	37.80 -0.97 0.00	40.63 -1.13 0.00	43.27 -1.16 0.00	45.24 -1.02 0.00	50.44 -1.24 0.00	55.85 -0.56 0.00	56.64 0.23 0.00	57.26 0.96 0.00	54.56 0.54 0.00	51.71 0.36 0.00	45.29 -0.09 0.00	40.61 -0.08 0.00
CARR STREET_E_SYR 24060	41.28 -0.46 0.00	37.26 -0.38 0.00	33.18 -0.30 0.00	32.87 -0.30 0.00	31.99 -0.32 0.00	31.01 -0.22 0.00	33.60 -0.13 0.00	34.03 -0.17 0.00	36.20 -0.18 0.00	34.66 -0.10 0.00	35.72 -0.11 0.00	37.14 -0.11 0.00	38.57 -0.19 0.00	41.50 -0.25 0.00	44.21 -0.22 0.00	46.12 -0.14 0.00	51.52 -0.15 0.00	56.41 0.00 0.00	56.53 0.11 0.00	56.59 0.28 0.00	53.91 -0.11 0.00	51.19 -0.15 0.00	45.07 -0.32 0.00	40.29 -0.41 0.00
CARTHAGE___PAPER 23857	42.66 0.92 0.00	38.39 0.75 0.00	34.11 0.63 0.00	33.84 0.66 0.00	32.86 0.55 0.00	31.92 0.69 0.00	34.55 0.81 0.00	34.89 0.68 0.00	35.25 0.66 1.79	33.11 0.35 2.00	35.95 0.14 0.03	37.36 0.11 0.00	38.65 -0.12 0.00	41.63 -0.12 0.00	44.25 -0.18 0.00	46.21 -0.05 0.00	52.04 0.36 0.00	57.15 0.73 0.00	57.65 1.24 0.00	58.10 1.80 0.00	55.96 1.94 0.00	53.45 2.11 0.00	46.88 1.50 0.00	41.83 1.14 0.00
CASSADAGA_WT_PWR 323784	40.32 -1.42 0.00	35.95 -1.69 0.00	32.24 -1.24 0.00	32.08 -1.09 0.00	31.08 -1.23 0.00	30.51 -0.72 0.00	32.83 -0.91 0.00	33.55 -0.65 0.00	35.98 -0.40 0.00	34.66 -0.10 0.00	35.69 -0.14 0.00	36.99 -0.26 0.00	37.88 -0.89 0.00	40.67 -1.09 0.00	42.79 -1.64 0.00	44.77 -1.48 0.00	49.77 -1.91 0.00	55.06 -1.35 0.00	56.02 -0.39 0.00	56.81 0.51 0.00	53.91 -0.11 0.00	51.40 0.05 0.00	45.16 -0.23 0.00	40.73 0.04 0.00
CE_DUNWOOD___DRP 24194	44.62 2.88 0.00	39.94 2.30 0.00	35.35 1.87 0.00	34.93 1.76 0.00	34.05 1.74 0.00	32.89 1.66 0.00	35.70 1.96 0.00	36.63 2.43 0.00	39.18 2.80 0.00	37.54 2.78 0.00	38.81 2.97 0.00	40.41 3.17 0.00	42.29 3.53 0.00	45.63 3.88 0.00	48.60 4.18 0.00	50.47 4.21 0.00	56.12 4.44 0.00	61.15 4.74 0.00	60.81 4.40 0.00	59.62 3.32 0.00	56.88 2.86 0.00	54.17 2.82 0.00	48.20 2.81 0.00	43.30 2.60 0.00
CE_MILLWOOD___DRP 24193	44.49 2.75 0.00	39.86 2.22 0.00	35.29 1.81 0.00	34.87 1.69 0.00	34.02 1.71 0.00	32.82 1.59 0.00	35.66 1.92 0.00	36.56 2.36 0.00	39.07 2.69 0.00	37.47 2.71 0.00	38.70 2.87 0.00	40.30 3.05 0.00	42.14 3.37 0.00	45.51 3.76 0.00	48.47 4.04 0.00	50.28 4.02 0.00	55.92 4.24 0.00	60.98 4.57 0.00	60.70 4.29 0.00	59.51 3.21 0.00	56.72 2.70 0.00	54.07 2.72 0.00	48.11 2.72 0.00	43.22 2.52 0.00
CE_NYC2_DRP 24202	44.95 3.21 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.03 2.29 0.00	37.02 2.80 -0.01	39.58 3.20 0.00	38.00 3.23 -0.01	39.28 3.44 -0.01	40.94 3.69 -0.01	42.84 4.07 -0.01	46.27 4.51 -0.01	49.23 4.80 -0.01	51.12 4.86 -0.01	56.74 5.06 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.85 3.55 0.00	57.15 3.13 0.00	54.53 3.18 0.00	48.70 3.31 0.00	43.74 3.05 0.00
CE_NYC_DRP 24195	44.91 3.17 0.00	40.24 2.60 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.22 1.91 0.00	33.04 1.81 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.47 3.09 0.00	37.93 3.16 0.00	39.20 3.37 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.18 4.43 0.00	49.18 4.75 0.00	51.02 4.76 0.00	56.65 4.96 -0.01	61.60 5.19 0.00	61.27 4.85 0.00	60.02 3.72 0.00	57.26 3.24 0.00	54.58 3.23 0.00	48.65 3.27 0.00	43.70 3.01 0.00
CHAFFEE___LFGE 323603	40.65 -1.09 0.00	36.09 -1.54 0.00	32.31 -1.17 0.00	32.08 -1.09 0.00	31.05 -1.26 0.00	30.45 -0.78 0.00	32.73 -1.01 0.00	33.31 -0.89 0.00	35.65 -0.73 0.00	34.42 -0.35 0.00	35.54 -0.29 0.00	36.95 -0.30 0.00	37.95 -0.82 0.00	40.83 -0.92 0.00	43.14 -1.29 0.00	45.15 -1.11 0.00	50.18 -1.50 0.00	55.51 -0.90 0.00	56.19 -0.22 0.00	56.70 0.40 0.00	53.75 -0.27 0.00	50.83 -0.51 0.00	44.66 -0.73 0.00	40.33 -0.37 0.00
CHATEAUG_35_KV_LOAD 355732	40.82 -0.92 0.00	36.85 -0.79 0.00	32.71 -0.77 0.00	32.48 -0.70 0.00	31.53 -0.78 0.00	30.39 -0.84 0.00	32.63 -1.11 0.00	32.80 -1.40 0.00	1.85 -1.60 32.93	-3.77 -1.56 36.96	33.77 -1.58 0.48	35.68 -1.56 0.00	37.18 -1.59 0.00	40.00 -1.75 0.00	42.65 -1.78 0.00	44.36 -1.90 0.00	50.18 -1.50 0.00	54.89 -1.52 0.00	55.12 -1.30 0.00	55.74 -0.56 0.00	53.91 -0.11 0.00	51.35 0.00 0.00	45.48 0.09 0.00	40.90 0.20 0.00
CHATEAUG_WT_PWR 323614	40.82 -0.92 0.00	36.85 -0.79 0.00	32.71 -0.77 0.00	32.48 -0.70 0.00	31.57 -0.74 0.00	30.39 -0.84 0.00	32.63 -1.11 0.00	32.77 -1.44 0.00	-1.01 -1.60 35.79	-6.98 -1.56 40.17	33.73 -1.58 0.52	35.68 -1.56 0.00	37.17 -1.59 0.00	39.96 -1.79 0.00	42.61 -1.82 0.00	44.36 -1.90 0.00	50.23 -1.45 0.00	54.78 -1.64 0.00	55.06 -1.35 0.00	55.40 -0.90 0.00	53.86 -0.16 0.00	51.29 -0.05 0.00	45.43 0.05 0.00	40.86 0.16 0.00
CHAT_HIGH_FALL_HYD 323578	40.82 -0.92 0.00	36.85 -0.79 0.00	32.71 -0.77 0.00	32.48 -0.70 0.00	31.53 -0.78 0.00	30.39 -0.84 0.00	32.63 -1.11 0.00	32.80 -1.40 0.00	1.85 -1.60 32.93	-3.77 -1.56 36.96	33.77 -1.58 0.48	35.68 -1.56 0.00	37.18 -1.59 0.00	40.00 -1.75 0.00	42.65 -1.78 0.00	44.36 -1.90 0.00	50.18 -1.50 0.00	54.89 -1.52 0.00	55.12 -1.30 0.00	55.74 -0.56 0.00	53.91 -0.11 0.00	51.35 0.00 0.00	45.48 0.09 0.00	40.90 0.20 0.00
CHAUTAUQUA___LFGE 323629	40.65 -1.09 0.00	36.13 -1.51 0.00	32.34 -1.14 0.00	32.18 -0.99 0.00	31.12 -1.19 0.00	30.54 -0.69 0.00	32.83 -0.91 0.00	33.45 -0.75 0.00	35.80 -0.58 0.00	34.56 -0.21 0.00	35.65 -0.18 0.00	37.03 -0.22 0.00	37.95 -0.82 0.00	40.79 -0.96 0.00	43.05 -1.38 0.00	45.01 -1.25 0.00	50.02 -1.66 0.00	55.34 -1.07 0.00	56.13 -0.28 0.00	56.81 0.51 0.00	53.86 -0.16 0.00	51.09 -0.26 0.00	44.89 -0.50 0.00	40.53 -0.16 0.00
CHERRYST_13_KV_LD 356241	45.04 3.30 0.00	40.35 2.71 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.31 2.00 0.00	33.14 1.91 0.00	36.07 2.33 0.00	37.04 2.84 0.00	39.66 3.27 0.00	38.07 3.30 0.00	39.34 3.51 0.00	41.05 3.80 0.00	42.95 4.19 0.00	46.39 4.63 0.00	49.36 4.93 0.00	51.25 5.00 0.00	56.90 5.22 0.00	61.89 5.47 0.00	61.55 5.13 0.00	60.24 3.94 0.00	57.47 3.46 0.00	54.79 3.44 0.00	48.79 3.40 0.00	43.87 3.17 0.00



CHESTROR_138KV_BK263 355645	44.08 2.34 0.00	39.52 1.88 0.00	35.02 1.54 0.00	34.63 1.46 0.00	33.76 1.45 0.00	32.60 1.37 0.00	35.36 1.62 0.00	36.19 1.98 0.00	38.67 2.29 0.00	36.99 2.22 0.00	38.20 2.36 0.00	39.74 2.50 0.00	41.60 2.83 0.00	44.84 3.09 0.00	47.76 3.33 0.00	49.63 3.38 0.00	55.30 3.62 0.00	60.36 3.95 0.00	60.14 3.72 0.00	59.06 2.76 0.00	56.34 2.32 0.00	53.66 2.31 0.00	47.65 2.27 0.00	42.77 2.08 0.00
CH_MIDHUDSON___DRP 24192	44.33 2.59 0.00	39.71 2.07 0.00	35.22 1.74 0.00	34.83 1.66 0.00	33.99 1.68 0.00	32.76 1.53 0.00	35.46 1.72 0.00	36.32 2.12 0.00	38.78 2.40 0.00	37.09 2.33 0.00	38.27 2.44 0.00	39.82 2.57 0.00	41.67 2.91 0.00	44.97 3.21 0.00	47.94 3.51 0.00	49.82 3.56 0.00	55.55 3.88 0.00	60.65 4.23 0.00	60.48 4.06 0.00	59.29 2.98 0.00	56.56 2.54 0.00	53.86 2.52 0.00	47.84 2.45 0.00	42.93 2.24 0.00
CH_MISC_IPPS 23765	44.54 2.80 0.00	39.90 2.26 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.92 1.69 0.00	35.63 1.89 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.23 2.47 0.00	38.41 2.58 0.00	39.97 2.72 0.00	41.87 3.10 0.00	45.18 3.42 0.00	48.16 3.73 0.00	50.19 3.93 0.00	55.76 4.08 0.00	61.21 4.79 0.00	60.93 4.51 0.00	59.96 3.66 0.00	56.93 2.91 0.00	54.17 2.82 0.00	48.06 2.68 0.00	43.13 2.44 0.00
CH_RES_BVR_FALLS 23983	41.15 -0.58 0.00	37.11 -0.53 0.00	33.01 -0.47 0.00	32.74 -0.43 0.00	31.89 -0.42 0.00	30.79 -0.44 0.00	33.27 -0.47 0.00	33.72 -0.48 0.00	35.87 -0.51 0.00	34.28 -0.49 0.00	35.33 -0.50 0.00	36.73 -0.52 0.00	38.22 -0.54 0.00	41.17 -0.58 0.00	43.81 -0.62 0.00	45.61 -0.65 0.00	51.06 -0.62 0.00	55.68 -0.73 0.00	55.74 -0.67 0.00	55.68 -0.62 0.00	53.58 -0.43 0.00	50.99 -0.36 0.00	45.07 -0.32 0.00	40.45 -0.24 0.00
CH_RES_NIAGARA 23895	39.49 -2.25 0.00	35.49 -2.15 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.33 -1.50 0.00	35.76 -1.49 0.00	36.71 -2.05 0.00	39.50 -2.25 0.00	41.76 -2.67 0.00	43.57 -2.68 0.00	48.16 -3.51 0.00	53.31 -3.10 0.00	53.93 -2.48 0.00	53.94 -2.36 0.00	51.64 -2.38 0.00	48.52 -2.82 0.00	42.66 -2.72 0.00	38.94 -1.75 0.00
CH_RES_SYRACUSE 23985	41.49 -0.25 0.00	37.45 -0.19 0.00	33.35 -0.13 0.00	33.04 -0.13 0.00	32.15 -0.16 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.24 0.03 0.00	36.42 0.04 0.00	34.83 0.07 0.00	35.90 0.07 0.00	37.32 0.07 0.00	38.73 -0.04 0.00	41.71 -0.04 0.00	44.38 -0.04 0.00	46.35 0.09 0.00	51.78 0.10 0.00	56.76 0.34 0.00	56.86 0.45 0.00	56.92 0.62 0.00	54.29 0.27 0.00	51.50 0.15 0.00	45.34 -0.05 0.00	40.53 -0.16 0.00
CLINTON_WT_PWR 323605	40.82 -0.92 0.00	36.85 -0.79 0.00	32.71 -0.77 0.00	32.48 -0.70 0.00	31.57 -0.74 0.00	30.39 -0.84 0.00	32.63 -1.11 0.00	32.77 -1.44 0.00	-1.01 -1.60 35.79	-6.98 -1.56 40.17	33.73 -1.58 0.52	35.68 -1.56 0.00	37.17 -1.59 0.00	39.96 -1.79 0.00	42.61 -1.82 0.00	44.36 -1.90 0.00	50.23 -1.45 0.00	54.78 -1.64 0.00	55.06 -1.35 0.00	55.40 -0.90 0.00	53.86 -0.16 0.00	51.29 -0.05 0.00	45.43 0.05 0.00	40.86 0.16 0.00
CLINTON___LFGE 323618	41.28 -0.46 0.00	37.26 -0.38 0.00	33.08 -0.40 0.00	32.81 -0.36 0.00	31.89 -0.42 0.00	30.70 -0.53 0.00	32.96 -0.77 0.00	32.97 -1.23 0.00	0.00 -1.35 35.04	-5.85 -1.29 39.33	33.96 -1.36 0.51	35.87 -1.38 0.00	37.41 -1.36 0.00	40.21 -1.54 0.00	42.87 -1.56 0.00	44.59 -1.66 0.00	50.85 -0.83 0.00	55.51 -0.90 0.00	55.85 -0.56 0.00	56.19 -0.11 0.00	54.67 0.65 0.00	52.01 0.67 0.00	46.11 0.72 0.00	41.43 0.73 0.00
COBBLENY_34_KV_TB1 80064	40.57 -1.17 0.00	36.06 -1.58 0.00	32.31 -1.17 0.00	32.08 -1.09 0.00	31.05 -1.26 0.00	30.45 -0.78 0.00	32.73 -1.01 0.00	33.31 -0.89 0.00	35.65 -0.73 0.00	34.41 -0.35 0.00	35.51 -0.32 0.00	36.95 -0.30 0.00	37.95 -0.81 0.00	40.83 -0.92 0.00	43.14 -1.29 0.00	45.15 -1.11 0.00	49.97 -1.71 0.00	55.40 -1.02 0.00	56.13 -0.28 0.00	56.25 -0.06 0.00	53.75 -0.27 0.00	50.58 -0.77 0.00	44.39 -1.00 0.00	40.33 -0.37 0.00
COFFEEN___115KV_TB3 355620	43.16 1.42 0.00	38.84 1.20 0.00	34.52 1.04 0.00	34.27 1.09 0.00	33.25 0.94 0.00	32.32 1.09 0.00	35.02 1.28 0.00	35.33 1.13 0.00	36.03 1.13 1.47	33.84 0.73 1.65	36.28 0.47 0.02	37.81 0.56 0.00	39.00 0.23 0.00	42.00 0.25 0.00	44.56 0.13 0.00	46.67 0.42 0.00	52.61 0.93 0.00	57.99 1.58 0.00	58.61 2.20 0.00	59.17 2.87 0.00	57.04 3.02 0.00	54.38 3.03 0.00	47.52 2.13 0.00	42.32 1.63 0.00
COLDSPRG_115KV_BK1 355956	40.78 -0.96 0.00	36.36 -1.28 0.00	32.57 -0.90 0.00	32.38 -0.80 0.00	31.37 -0.94 0.00	30.82 -0.41 0.00	33.30 -0.44 0.00	34.13 -0.07 0.00	36.49 0.11 0.00	35.18 0.42 0.00	36.23 0.39 0.00	37.62 0.37 0.00	38.61 -0.16 0.00	41.50 -0.25 0.00	43.72 -0.71 0.00	45.79 -0.46 0.00	50.80 -0.88 0.00	56.25 -0.17 0.00	57.15 0.73 0.00	57.37 1.07 0.00	54.88 0.86 0.00	51.81 0.46 0.00	45.43 0.05 0.00	41.02 0.33 0.00
COLONIE_LFGE___ 323577	43.74 2.00 0.00	39.29 1.65 0.00	34.92 1.44 0.00	34.50 1.33 0.00	33.70 1.39 0.00	32.57 1.34 0.00	35.09 1.35 0.00	35.67 1.47 0.00	37.91 1.53 0.00	36.12 1.35 0.00	37.16 1.33 0.00	38.59 1.34 0.00	40.24 1.47 0.00	43.38 1.63 0.00	46.21 1.78 0.00	48.06 1.80 0.00	53.64 1.96 0.00	58.96 2.54 0.00	58.96 2.54 0.00	58.50 2.19 0.00	55.69 1.68 0.00	52.99 1.64 0.00	46.93 1.54 0.00	42.03 1.34 0.00
COOPERNY_115KV_TB1 80082	43.66 1.92 0.00	39.18 1.54 0.00	34.78 1.31 0.00	34.40 1.23 0.00	33.54 1.23 0.00	32.39 1.16 0.00	35.09 1.35 0.00	35.88 1.68 0.00	38.35 1.96 0.00	36.71 1.95 0.00	37.87 2.04 0.00	39.41 2.16 0.00	41.17 2.40 0.00	44.38 2.63 0.00	47.23 2.80 0.00	49.12 2.87 0.00	54.73 3.05 0.00	59.80 3.38 0.00	59.69 3.27 0.00	58.72 2.42 0.00	56.07 2.05 0.00	53.35 2.00 0.00	47.29 1.91 0.00	42.44 1.75 0.00
COPENHAGEN_WT_PWR 323753	42.74 1.00 0.00	38.47 0.83 0.00	34.21 0.74 0.00	33.94 0.76 0.00	32.96 0.65 0.00	32.01 0.78 0.00	34.68 0.94 0.00	35.02 0.82 0.00	35.79 0.80 1.39	33.69 0.49 1.56	36.10 0.29 0.02	37.54 0.30 0.00	38.80 0.04 0.00	41.79 0.04 0.00	44.38 -0.04 0.00	46.44 0.19 0.00	52.30 0.62 0.00	57.48 1.07 0.00	57.99 1.58 0.00	58.56 2.25 0.00	56.23 2.22 0.00	53.66 2.31 0.00	46.97 1.59 0.00	41.87 1.18 0.00
CORNELL_____ 23752	42.28 0.54 0.00	38.05 0.41 0.00	33.91 0.44 0.00	33.60 0.43 0.00	32.67 0.36 0.00	31.73 0.50 0.00	34.48 0.74 0.00	35.02 0.82 0.00	37.22 0.84 0.00	35.53 0.76 0.00	36.55 0.72 0.00	37.96 0.71 0.00	39.35 0.58 0.00	42.38 0.63 0.00	45.05 0.62 0.00	47.09 0.83 0.00	52.71 1.03 0.00	57.99 1.58 0.00	58.39 1.97 0.00	58.33 2.03 0.00	55.85 1.84 0.00	52.94 1.59 0.00	46.47 1.09 0.00	41.51 0.81 0.00



CORONA V_69_KV_TB1 355595	45.62 3.88 0.00	40.73 3.09 0.00	35.79 2.31 0.00	35.16 1.99 0.00	34.25 1.94 0.00	32.98 1.75 0.00	36.07 2.33 0.00	37.01 2.80 0.00	39.66 3.27 0.00	38.34 3.58 0.00	39.63 3.80 0.00	41.27 4.02 0.00	46.02 4.38 -2.88	47.99 4.84 -1.40	50.45 5.20 -0.82	51.48 5.23 0.00	71.22 5.74 -13.80	95.25 6.15 -32.69	87.43 5.92 -25.09	60.36 4.05 0.00	57.20 3.19 0.00	54.38 3.03 0.00	48.93 3.54 0.00	44.40 3.70 0.00
CORTLAND_115KV_TB3 80093	42.03 0.29 0.00	37.87 0.23 0.00	33.71 0.23 0.00	33.44 0.27 0.00	32.54 0.23 0.00	31.54 0.31 0.00	34.21 0.47 0.00	34.75 0.55 0.00	36.96 0.58 0.00	35.32 0.56 0.00	36.37 0.54 0.00	37.77 0.52 0.00	39.19 0.43 0.00	42.21 0.46 0.00	44.92 0.49 0.00	46.90 0.65 0.00	52.40 0.72 0.00	57.54 1.13 0.00	57.82 1.41 0.00	57.71 1.41 0.00	55.26 1.24 0.00	52.37 1.03 0.00	46.07 0.68 0.00	41.18 0.49 0.00
COXSACKIE__GT 23611	44.49 2.75 0.00	39.97 2.33 0.00	35.52 2.04 0.00	35.20 2.02 0.00	34.35 2.04 0.00	33.10 1.87 0.00	35.36 1.62 0.00	35.78 1.57 0.00	37.91 1.53 0.00	35.84 1.08 0.00	36.76 0.93 0.00	38.21 0.97 0.00	39.89 1.12 0.00	42.96 1.21 0.00	42.45 1.42 3.40	47.85 1.62 0.02	47.76 1.96 5.88	51.63 2.88 7.66	59.55 3.16 0.02	55.68 2.81 3.43	49.71 2.22 6.52	53.58 2.26 0.02	43.72 1.86 3.53	40.28 1.46 1.87
CPV_VALLEY__CC1 323721	43.74 2.00 0.00	39.26 1.62 0.00	34.82 1.34 0.00	34.43 1.26 0.00	33.57 1.26 0.00	32.42 1.19 0.00	35.16 1.42 0.00	35.98 1.78 0.00	38.42 2.04 0.00	36.78 2.02 0.00	37.98 2.15 0.00	39.52 2.27 0.00	41.32 2.56 0.00	44.55 2.80 0.00	47.45 3.02 0.00	49.31 3.05 0.00	54.73 3.05 0.00	60.03 3.61 0.00	59.74 3.33 0.00	58.95 2.65 0.00	55.96 1.94 0.00	53.19 1.85 0.00	47.25 1.86 0.00	42.48 1.79 0.00
CPV_VALLEY__CC2 323722	43.74 2.00 0.00	39.26 1.62 0.00	34.82 1.34 0.00	34.43 1.26 0.00	33.57 1.26 0.00	32.42 1.19 0.00	35.16 1.42 0.00	35.98 1.78 0.00	38.42 2.04 0.00	36.78 2.02 0.00	37.98 2.15 0.00	39.52 2.27 0.00	41.32 2.56 0.00	44.55 2.80 0.00	47.45 3.02 0.00	49.31 3.05 0.00	54.73 3.05 0.00	60.03 3.61 0.00	59.74 3.33 0.00	58.95 2.65 0.00	55.96 1.94 0.00	53.19 1.85 0.00	47.25 1.86 0.00	42.48 1.79 0.00
CRESCENT__HYD 24018	43.74 2.00 0.00	39.29 1.65 0.00	34.92 1.44 0.00	34.50 1.33 0.00	33.70 1.39 0.00	32.57 1.34 0.00	35.09 1.35 0.00	35.67 1.47 0.00	37.91 1.53 0.00	36.12 1.35 0.00	37.16 1.33 0.00	38.59 1.34 0.00	40.24 1.47 0.00	43.38 1.63 0.00	46.21 1.78 0.00	48.06 1.80 0.00	53.64 1.96 0.00	58.96 2.54 0.00	58.96 2.54 0.00	58.50 2.19 0.00	55.69 1.68 0.00	52.99 1.64 0.00	46.93 1.54 0.00	42.03 1.34 0.00
CRICKET__VALLEY_CC1 323756	43.95 2.21 0.00	39.41 1.77 0.00	34.95 1.47 0.00	34.53 1.36 0.00	33.73 1.42 0.00	32.54 1.31 0.00	35.19 1.45 0.00	36.01 1.81 0.00	38.42 2.04 0.00	36.71 1.95 0.00	37.84 2.01 0.00	39.33 2.08 0.00	41.17 2.40 0.00	44.43 2.67 0.00	47.31 2.89 0.00	49.17 2.92 0.00	54.57 2.89 0.00	59.97 3.56 0.00	59.63 3.21 0.00	58.78 2.47 0.00	55.85 1.84 0.00	53.09 1.75 0.00	47.15 1.77 0.00	42.36 1.67 0.00
CRICKET__VALLEY_CC2 323757	43.95 2.21 0.00	39.41 1.77 0.00	34.95 1.47 0.00	34.53 1.36 0.00	33.73 1.42 0.00	32.54 1.31 0.00	35.19 1.45 0.00	36.01 1.81 0.00	38.42 2.04 0.00	36.71 1.95 0.00	37.84 2.01 0.00	39.33 2.08 0.00	41.17 2.40 0.00	44.43 2.67 0.00	47.31 2.89 0.00	49.17 2.92 0.00	54.57 2.89 0.00	59.97 3.56 0.00	59.63 3.21 0.00	58.78 2.47 0.00	55.85 1.84 0.00	53.09 1.75 0.00	47.15 1.77 0.00	42.36 1.67 0.00
CRICKET__VALLEY_CC3 323758	43.95 2.21 0.00	39.41 1.77 0.00	34.95 1.47 0.00	34.53 1.36 0.00	33.73 1.42 0.00	32.54 1.31 0.00	35.19 1.45 0.00	36.01 1.81 0.00	38.42 2.04 0.00	36.71 1.95 0.00	37.84 2.01 0.00	39.33 2.08 0.00	41.17 2.40 0.00	44.43 2.67 0.00	47.31 2.89 0.00	49.17 2.92 0.00	54.57 2.89 0.00	59.97 3.56 0.00	59.63 3.21 0.00	58.78 2.47 0.00	55.85 1.84 0.00	53.09 1.75 0.00	47.15 1.77 0.00	42.36 1.67 0.00
CRUCIBLE_METL_DRP 24180	41.45 -0.29 0.00	37.45 -0.19 0.00	33.34 -0.13 0.00	33.04 -0.13 0.00	32.15 -0.16 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.24 0.03 0.00	36.42 0.04 0.00	34.83 0.07 0.00	35.90 0.07 0.00	37.32 0.07 0.00	38.73 -0.04 0.00	41.71 -0.04 0.00	44.38 -0.04 0.00	46.35 0.09 0.00	51.73 0.05 0.00	56.70 0.28 0.00	56.87 0.45 0.00	56.70 0.39 0.00	54.29 0.27 0.00	51.50 0.15 0.00	45.29 -0.09 0.00	40.53 -0.16 0.00
DAHOWA__HYDRO 323763	44.16 2.42 0.00	39.67 2.03 0.00	35.15 1.67 0.00	34.73 1.56 0.00	33.89 1.58 0.00	32.79 1.56 0.00	35.39 1.65 0.00	35.88 1.68 0.00	38.02 1.64 0.00	36.15 1.39 0.00	37.05 1.22 0.00	38.44 1.19 0.00	40.04 1.28 0.00	43.09 1.34 0.00	45.89 1.46 0.00	47.87 1.62 0.00	53.64 1.96 0.00	59.07 2.65 0.00	59.46 3.04 0.00	59.29 2.98 0.00	56.39 2.37 0.00	53.81 2.46 0.00	47.56 2.18 0.00	42.53 1.83 0.00
DANC__LFGE 323619	42.07 0.33 0.00	37.90 0.27 0.00	33.75 0.27 0.00	33.47 0.30 0.00	32.51 0.20 0.00	31.51 0.28 0.00	34.18 0.44 0.00	34.51 0.31 0.00	35.70 0.26 0.93	33.82 0.10 1.05	35.78 -0.04 0.01	37.25 0.00 0.00	38.53 -0.23 0.00	41.50 -0.25 0.00	44.12 -0.31 0.00	46.12 -0.14 0.00	51.83 0.16 0.00	56.81 0.40 0.00	57.15 0.73 0.00	57.54 1.24 0.00	55.15 1.14 0.00	52.53 1.18 0.00	46.11 0.72 0.00	41.14 0.45 0.00
DANSKAMMER__1 23586	44.54 2.80 0.00	39.90 2.26 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.92 1.69 0.00	35.63 1.89 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.23 2.47 0.00	38.41 2.58 0.00	39.97 2.72 0.00	41.87 3.10 0.00	45.18 3.42 0.00	48.16 3.73 0.00	50.19 3.93 0.00	55.76 4.08 0.00	61.21 4.79 0.00	60.93 4.51 0.00	59.96 3.66 0.00	56.93 2.91 0.00	54.17 2.82 0.00	48.06 2.68 0.00	43.13 2.44 0.00
DANSKAMMER__2 23589	44.54 2.80 0.00	39.90 2.26 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.92 1.69 0.00	35.63 1.89 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.23 2.47 0.00	38.41 2.58 0.00	39.97 2.72 0.00	41.87 3.10 0.00	45.18 3.42 0.00	48.16 3.73 0.00	50.19 3.93 0.00	55.76 4.08 0.00	61.21 4.79 0.00	60.93 4.51 0.00	59.96 3.66 0.00	56.93 2.91 0.00	54.17 2.82 0.00	48.06 2.68 0.00	43.13 2.44 0.00
DANSKAMMER__3 23590	44.54 2.80 0.00	39.90 2.26 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.92 1.69 0.00	35.63 1.89 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.23 2.47 0.00	38.41 2.58 0.00	39.97 2.72 0.00	41.87 3.10 0.00	45.18 3.42 0.00	48.16 3.73 0.00	50.19 3.93 0.00	55.76 4.08 0.00	61.21 4.79 0.00	60.93 4.51 0.00	59.96 3.66 0.00	56.93 2.91 0.00	54.17 2.82 0.00	48.06 2.68 0.00	43.13 2.44 0.00



DANSKAMMER___4 23591	44.54 2.80 0.00	39.90 2.26 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.92 1.69 0.00	35.63 1.89 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.23 2.47 0.00	38.41 2.58 0.00	39.97 2.72 0.00	41.87 3.10 0.00	45.18 3.42 0.00	48.16 3.73 0.00	50.19 3.93 0.00	55.76 4.08 0.00	61.21 4.79 0.00	60.93 4.51 0.00	59.96 3.66 0.00	56.93 2.91 0.00	54.17 2.82 0.00	48.06 2.68 0.00	43.13 2.44 0.00
DANSKAMMER___DIESEL 23592	44.54 2.80 0.00	39.90 2.26 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.92 1.69 0.00	35.63 1.89 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.23 2.47 0.00	38.41 2.58 0.00	39.97 2.72 0.00	41.87 3.10 0.00	45.18 3.42 0.00	48.16 3.73 0.00	50.14 3.89 0.00	55.92 4.24 0.00	61.04 4.63 0.00	60.87 4.46 0.00	59.68 3.38 0.00	56.93 2.92 0.00	54.22 2.88 0.00	48.11 2.72 0.00	43.13 2.44 0.00
DARBY___SOLAR 323810	44.03 2.29 0.00	39.56 1.92 0.00	35.09 1.61 0.00	34.67 1.49 0.00	33.83 1.52 0.00	32.73 1.50 0.00	35.33 1.59 0.00	35.81 1.61 0.00	37.98 1.60 0.00	36.12 1.35 0.00	37.01 1.18 0.00	38.40 1.16 0.00	40.01 1.24 0.00	43.05 1.30 0.00	45.89 1.46 0.00	47.83 1.57 0.00	53.59 1.91 0.00	59.01 2.60 0.00	59.35 2.93 0.00	59.12 2.81 0.00	56.23 2.22 0.00	53.60 2.26 0.00	47.43 2.04 0.00	42.40 1.71 0.00
DASHVILLE___HYD 23610	44.12 2.38 0.00	39.52 1.88 0.00	35.09 1.61 0.00	34.73 1.56 0.00	33.86 1.55 0.00	32.60 1.37 0.00	35.26 1.52 0.00	36.05 1.85 0.00	38.49 2.11 0.00	36.78 2.02 0.00	37.95 2.11 0.00	39.52 2.27 0.00	41.36 2.60 0.00	44.67 2.92 0.00	47.12 3.51 0.82	49.72 3.47 0.01	54.28 4.03 1.43	58.96 4.40 1.86	60.58 4.17 0.01	58.62 3.15 0.83	55.19 2.75 1.58	54.01 2.67 0.01	47.07 2.54 0.86	42.56 2.32 0.45
DELAWARE___LFGE 323621	43.20 1.46 0.00	38.81 1.17 0.00	34.58 1.10 0.00	34.30 1.13 0.00	33.41 1.10 0.00	32.23 1.00 0.00	34.89 1.15 0.00	35.54 1.33 0.00	37.87 1.49 0.00	36.19 1.43 0.00	37.23 1.40 0.00	38.74 1.49 0.00	40.32 1.55 0.00	43.46 1.71 0.00	46.25 1.82 0.00	48.20 1.94 0.00	53.85 2.17 0.00	58.95 2.54 0.00	59.01 2.60 0.00	58.56 2.25 0.00	56.02 2.00 0.00	53.25 1.90 0.00	47.02 1.63 0.00	42.12 1.42 0.00
DERFIELD_115KV_TB7 355931	41.95 0.21 0.00	37.79 0.15 0.00	33.65 0.17 0.00	33.34 0.17 0.00	32.47 0.16 0.00	31.39 0.16 0.00	33.91 0.17 0.00	34.37 0.17 0.00	36.60 0.22 0.00	34.94 0.17 0.00	36.01 0.18 0.00	37.43 0.19 0.00	38.96 0.21 0.00	41.96 0.22 0.00	44.65 0.28 0.00	46.53 0.28 0.00	51.89 0.21 0.00	56.75 0.34 0.00	56.75 0.34 0.00	56.53 0.23 0.00	54.12 0.11 0.00	51.50 0.15 0.00	45.52 0.14 0.00	40.81 0.12 0.00
DOGLEVILLE___HYD 23807	40.61 -1.13 0.00	36.59 -1.05 0.00	32.54 -0.94 0.00	32.24 -0.93 0.00	31.47 -0.84 0.00	30.45 -0.78 0.00	32.93 -0.81 0.00	33.38 -0.82 0.00	35.51 -0.87 0.00	33.86 -0.90 0.00	34.86 -0.97 0.00	36.28 -0.97 0.00	37.76 -1.01 0.00	40.75 -1.00 0.00	43.36 -1.07 0.00	45.24 -1.02 0.00	50.59 -1.09 0.00	55.23 -1.18 0.00	55.40 -1.02 0.00	55.29 -1.01 0.00	53.10 -0.92 0.00	50.52 -0.82 0.00	44.80 -0.59 0.00	40.12 -0.57 0.00
DUNKIRK___115KV_TB_200 55889	40.57 -1.17 0.00	36.10 -1.54 0.00	32.34 -1.14 0.00	32.18 -1.00 0.00	31.11 -1.20 0.00	30.54 -0.69 0.00	32.83 -0.91 0.00	33.42 -0.79 0.00	35.80 -0.58 0.00	34.55 -0.21 0.00	35.58 -0.25 0.00	36.99 -0.26 0.00	37.99 -0.78 0.00	40.79 -0.96 0.00	43.05 -1.38 0.00	45.05 -1.20 0.00	49.82 -1.86 0.00	55.23 -1.18 0.00	56.08 -0.34 0.00	56.30 0.00 0.00	53.85 -0.16 0.00	50.78 -0.56 0.00	44.57 -0.82 0.00	40.49 -0.20 0.00
DUNKIRK___1 23563	40.57 -1.17 0.00	36.10 -1.54 0.00	32.34 -1.14 0.00	32.18 -1.00 0.00	31.11 -1.20 0.00	30.54 -0.69 0.00	32.83 -0.91 0.00	33.42 -0.79 0.00	35.80 -0.58 0.00	34.55 -0.21 0.00	35.58 -0.25 0.00	36.99 -0.26 0.00	37.99 -0.78 0.00	40.79 -0.96 0.00	43.05 -1.38 0.00	45.05 -1.20 0.00	49.82 -1.86 0.00	55.23 -1.18 0.00	56.08 -0.34 0.00	56.30 0.00 0.00	53.85 -0.16 0.00	50.78 -0.56 0.00	44.57 -0.82 0.00	40.49 -0.20 0.00
DUNKIRK___2 23564	40.57 -1.17 0.00	36.10 -1.54 0.00	32.34 -1.14 0.00	32.18 -1.00 0.00	31.11 -1.20 0.00	30.54 -0.69 0.00	32.83 -0.91 0.00	33.42 -0.79 0.00	35.80 -0.58 0.00	34.55 -0.21 0.00	35.58 -0.25 0.00	36.99 -0.26 0.00	37.99 -0.78 0.00	40.79 -0.96 0.00	43.05 -1.38 0.00	45.05 -1.20 0.00	49.82 -1.86 0.00	55.23 -1.18 0.00	56.08 -0.34 0.00	56.30 0.00 0.00	53.85 -0.16 0.00	50.78 -0.56 0.00	44.57 -0.82 0.00	40.49 -0.20 0.00
DUNKIRK___3 23565	40.49 -1.25 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.11 -1.06 0.00	31.05 -1.26 0.00	30.45 -0.78 0.00	32.76 -0.98 0.00	33.35 -0.86 0.00	35.69 -0.69 0.00	34.45 -0.31 0.00	35.47 -0.36 0.00	36.91 -0.34 0.00	37.91 -0.85 0.00	40.75 -1.00 0.00	43.01 -1.42 0.00	45.01 -1.25 0.00	49.82 -1.86 0.00	55.17 -1.24 0.00	56.02 -0.39 0.00	56.13 -0.17 0.00	53.69 -0.32 0.00	50.58 -0.77 0.00	44.43 -0.95 0.00	40.37 -0.33 0.00
DUNKIRK___4 23566	40.49 -1.25 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.11 -1.06 0.00	31.05 -1.26 0.00	30.45 -0.78 0.00	32.76 -0.98 0.00	33.35 -0.86 0.00	35.69 -0.69 0.00	34.45 -0.31 0.00	35.47 -0.36 0.00	36.91 -0.34 0.00	37.91 -0.85 0.00	40.75 -1.00 0.00	43.01 -1.42 0.00	45.01 -1.25 0.00	49.82 -1.86 0.00	55.17 -1.24 0.00	56.02 -0.39 0.00	56.13 -0.17 0.00	53.69 -0.32 0.00	50.58 -0.77 0.00	44.43 -0.95 0.00	40.37 -0.33 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	44.70 2.96 0.00	40.05 2.41 0.00	35.42 1.94 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.92 1.69 0.00	35.76 2.02 0.00	36.70 2.50 0.00	39.25 2.87 0.00	37.65 2.89 0.00	38.91 3.08 0.00	40.53 3.28 0.00	42.41 3.64 0.00	45.80 4.05 0.00	48.78 4.35 0.00	50.60 4.35 0.00	56.28 4.60 0.00	61.32 4.91 0.00	60.98 4.57 0.00	59.74 3.43 0.00	56.99 2.97 0.00	54.27 2.93 0.00	48.34 2.95 0.00	43.42 2.73 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	44.29 2.55 0.00	39.67 2.03 0.00	35.19 1.71 0.00	34.80 1.63 0.00	33.93 1.62 0.00	32.73 1.50 0.00	35.46 1.72 0.00	36.32 2.12 0.00	38.82 2.44 0.00	37.13 2.36 0.00	38.30 2.47 0.00	39.89 2.64 0.00	41.71 2.95 0.00	45.05 3.30 0.00	47.98 3.55 0.00	49.86 3.61 0.00	55.61 3.93 0.00	60.70 4.29 0.00	60.53 4.12 0.00	59.34 3.04 0.00	56.61 2.59 0.00	53.91 2.57 0.00	47.88 2.50 0.00	42.97 2.28 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.30 2.12 -0.01	34.38 2.07 0.00	33.10 1.87 0.00	36.07 2.33 0.00	37.02 2.80 -0.01	39.58 3.20 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.84 4.07 -0.01	46.27 4.51 -0.01	49.19 4.75 -0.01	51.12 4.86 -0.01	56.85 5.17 -0.01	61.61 5.19 -0.01	61.32 4.91 0.00	59.97 3.66 -0.01	57.32 3.30 -0.01	54.64 3.29 -0.01	48.80 3.40 -0.01	43.87 3.17 -0.01



E179THST_13_KV_LOAD 356214	45.34 3.59 -0.01	40.62 2.97 -0.01	35.93 2.44 -0.01	35.50 2.32 -0.01	34.54 2.23 0.00	33.26 2.03 0.00	36.27 2.53 0.00	37.22 3.01 -0.01	39.80 3.42 0.00	38.21 3.44 -0.01	39.42 3.58 -0.01	41.13 3.87 -0.01	43.12 4.34 -0.01	46.56 4.80 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.22 5.53 -0.01	62.06 5.64 -0.01	61.72 5.30 0.00	60.42 4.11 -0.01	57.70 3.67 -0.01	55.00 3.65 -0.01	49.11 3.72 -0.01	44.12 3.42 -0.01
EAST HAMPTON___GT 23717	46.26 4.51 -0.01	40.99 3.35 0.00	35.76 2.28 0.00	34.86 1.69 0.00	33.92 1.61 0.00	32.48 1.25 0.00	35.73 1.99 0.00	36.70 2.50 0.00	39.51 3.13 0.00	39.00 4.24 0.00	39.78 3.94 -0.01	41.24 3.99 -0.01	46.53 4.88 -2.88	49.16 6.01 -1.40	51.29 6.75 -0.12	58.29 6.99 -5.05	62.29 7.44 -3.17	72.40 8.86 -7.13	65.38 7.50 -1.46	62.10 5.80 0.00	58.02 4.00 0.00	54.94 3.59 0.00	49.70 4.31 0.00	45.79 5.09 -0.01
EAST RIVER___6 23660	45.00 3.26 0.00	40.31 2.67 0.00	35.59 2.11 0.00	35.16 1.99 0.00	34.28 1.97 0.00	33.10 1.87 0.00	35.97 2.23 0.00	36.90 2.70 0.00	39.51 3.13 0.00	37.96 3.20 0.00	39.24 3.41 0.00	40.94 3.69 0.00	42.83 4.07 0.00	46.26 4.51 0.00	49.27 4.84 0.00	51.21 4.95 0.00	56.53 4.86 0.00	61.95 5.53 0.00	61.43 5.02 0.00	60.53 4.22 0.00	57.48 3.46 0.00	54.68 3.34 0.00	48.70 3.31 0.00	43.78 3.09 0.00
EAST RIVER___7 23524	45.00 3.26 0.00	40.31 2.67 0.00	35.59 2.11 0.00	35.16 1.99 0.00	34.28 1.97 0.00	33.10 1.87 0.00	35.97 2.23 0.00	36.90 2.70 0.00	39.51 3.13 0.00	37.96 3.20 0.00	39.24 3.41 0.00	40.94 3.69 0.00	42.83 4.07 0.00	46.26 4.51 0.00	49.27 4.84 0.00	51.21 4.95 0.00	56.53 4.86 0.00	61.95 5.53 0.00	61.43 5.02 0.00	60.53 4.22 0.00	57.48 3.46 0.00	54.68 3.34 0.00	48.70 3.31 0.00	43.78 3.09 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	44.62 2.88 0.00	39.94 2.30 0.00	35.35 1.87 0.00	34.93 1.76 0.00	34.05 1.74 0.00	32.89 1.66 0.00	35.70 1.96 0.00	36.63 2.43 0.00	39.18 2.80 0.00	37.54 2.78 0.00	38.81 2.97 0.00	40.41 3.17 0.00	42.29 3.53 0.00	45.63 3.88 0.00	48.60 4.18 0.00	50.47 4.21 0.00	56.12 4.44 0.00	61.15 4.74 0.00	60.81 4.40 0.00	59.62 3.32 0.00	56.88 2.86 0.00	54.17 2.82 0.00	48.20 2.81 0.00	43.30 2.60 0.00
EAST_HAMPTON___DIESEL 23722	46.17 4.42 -0.01	40.91 3.27 0.00	35.69 2.21 0.00	34.80 1.63 0.00	33.86 1.55 0.00	32.42 1.19 0.00	35.66 1.92 0.00	36.63 2.43 0.00	39.44 3.06 0.00	38.93 4.17 0.00	39.71 3.87 -0.01	41.17 3.91 -0.01	46.41 4.77 -2.88	49.04 5.89 -1.40	51.17 6.62 -0.12	58.20 6.89 -5.05	62.18 7.34 -3.17	72.28 8.74 -7.13	65.26 7.39 -1.46	61.93 5.63 0.00	57.91 3.89 0.00	54.84 3.49 0.00	49.61 4.22 0.00	45.79 5.09 -0.01
EAST_POINT___SOLAR 323840	45.62 3.88 0.00	40.84 3.20 0.00	36.22 2.75 0.00	35.86 2.69 0.00	34.93 2.62 0.00	33.85 2.62 0.00	36.40 2.66 0.00	36.49 2.29 0.00	37.94 1.56 0.00	35.98 1.22 0.00	36.80 0.97 0.00	37.73 0.48 0.00	39.07 0.31 0.00	42.08 0.33 0.00	44.87 0.44 0.00	46.95 0.69 0.00	52.61 0.93 0.00	57.99 1.58 0.00	59.35 2.93 0.00	61.20 4.90 0.00	58.82 4.81 0.00	56.17 4.83 0.00	49.65 4.26 0.00	44.19 3.50 0.00
EAST_PULASKI___ESR 323781	41.40 -0.34 0.00	37.41 -0.22 0.00	33.31 -0.17 0.00	33.01 -0.17 0.00	32.12 -0.19 0.00	31.07 -0.16 0.00	33.71 -0.03 0.00	34.03 -0.17 0.00	35.68 -0.22 0.49	33.97 -0.24 0.55	35.58 -0.25 0.01	36.99 -0.26 0.00	38.34 -0.43 0.00	41.29 -0.46 0.00	43.90 -0.53 0.00	45.84 -0.42 0.00	51.37 -0.31 0.00	56.25 -0.17 0.00	56.41 0.00 0.00	56.64 0.34 0.00	54.13 0.11 0.00	51.50 0.15 0.00	45.34 -0.05 0.00	40.49 -0.20 0.00
EAST_RIVER___1 323558	44.87 3.13 0.00	40.23 2.60 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.22 1.91 0.00	33.04 1.81 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.47 3.09 0.00	37.93 3.16 0.00	39.16 3.33 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.18 4.42 0.00	49.18 4.76 0.00	51.07 4.81 0.00	56.43 4.75 0.00	61.83 5.42 0.00	61.32 4.91 0.00	60.36 4.06 0.00	57.26 3.24 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.66 2.97 0.00
EAST_RIVER___2 323559	45.00 3.26 0.00	40.31 2.67 0.00	35.59 2.11 0.00	35.16 1.99 0.00	34.28 1.97 0.00	33.10 1.87 0.00	35.97 2.23 0.00	36.90 2.70 0.00	39.51 3.13 0.00	37.96 3.20 0.00	39.24 3.41 0.00	40.94 3.69 0.00	42.83 4.07 0.00	46.26 4.51 0.00	49.27 4.84 0.00	51.21 4.95 0.00	56.53 4.86 0.00	61.95 5.53 0.00	61.43 5.02 0.00	60.53 4.22 0.00	57.48 3.46 0.00	54.68 3.34 0.00	48.70 3.31 0.00	43.78 3.09 0.00
EAST___DELAWARE_HYD 23607	44.49 2.75 0.00	39.86 2.22 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.88 1.65 0.00	35.63 1.89 0.00	36.42 2.22 0.00	38.96 2.58 0.00	37.20 2.43 0.00	38.34 2.51 0.00	39.93 2.68 0.00	41.79 3.03 0.00	45.09 3.34 0.00	47.84 3.69 0.27	50.23 3.98 0.00	55.39 4.18 0.47	60.82 5.02 0.61	61.27 4.85 0.00	60.14 4.11 0.27	56.79 3.30 0.52	54.48 3.13 0.00	47.96 2.86 0.28	43.15 2.61 0.15
EIGHT_POINT___WT_PWR 323820	41.45 -0.29 0.00	37.04 -0.60 0.00	33.18 -0.30 0.00	33.01 -0.17 0.00	32.09 -0.22 0.00	31.45 0.22 0.00	34.28 0.54 0.00	35.06 0.86 0.00	37.18 0.80 0.00	35.56 0.80 0.00	36.66 0.82 0.00	38.14 0.89 0.00	39.35 0.58 0.00	42.25 0.50 0.00	43.10 -1.33 0.00	45.01 -1.25 0.00	50.23 -1.45 0.00	55.80 -0.62 0.00	56.76 0.34 0.00	57.65 1.35 0.00	54.88 0.86 0.00	52.01 0.67 0.00	45.52 0.14 0.00	40.73 0.04 0.00
ELBRIDGE_115KV_TB2 80188	41.24 -0.50 0.00	37.26 -0.38 0.00	33.18 -0.30 0.00	32.91 -0.27 0.00	31.99 -0.32 0.00	31.01 -0.22 0.00	33.64 -0.10 0.00	34.07 -0.14 0.00	36.24 -0.15 0.00	34.69 -0.07 0.00	35.72 -0.11 0.00	37.14 -0.11 0.00	38.53 -0.23 0.00	41.50 -0.25 0.00	44.16 -0.27 0.00	46.07 -0.19 0.00	51.42 -0.26 0.00	56.36 -0.06 0.00	56.58 0.17 0.00	56.42 0.11 0.00	54.02 0.00 0.00	51.24 -0.10 0.00	45.07 -0.32 0.00	40.37 -0.33 0.00
ELEC_TRO_TEK 24086	45.37 3.63 0.00	40.54 2.90 0.00	35.62 2.14 0.00	35.00 1.82 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.86 2.13 0.00	36.80 2.60 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.38 3.55 0.00	41.01 3.76 0.00	45.71 4.07 -2.88	47.66 4.51 -1.40	49.62 4.80 -0.39	51.11 4.86 0.00	63.14 5.17 -6.29	76.84 5.53 -14.90	73.10 5.25 -11.43	59.74 3.43 0.00	56.66 2.65 0.00	53.86 2.52 0.00	48.52 3.13 0.00	44.07 3.38 0.00
ELLENBURG_WT_PWR 323604	40.82 -0.92 0.00	36.85 -0.79 0.00	32.71 -0.77 0.00	32.48 -0.70 0.00	31.57 -0.74 0.00	30.39 -0.84 0.00	32.63 -1.11 0.00	32.77 -1.44 0.00	-1.01 -1.60 35.79	-6.98 -1.56 40.17	33.73 -1.58 0.52	35.68 -1.56 0.00	37.17 -1.59 0.00	39.96 -1.79 0.00	42.61 -1.82 0.00	44.36 -1.90 0.00	50.23 -1.45 0.00	54.78 -1.64 0.00	55.06 -1.35 0.00	55.40 -0.90 0.00	53.86 -0.16 0.00	51.29 -0.05 0.00	45.43 0.05 0.00	40.86 0.16 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	40.40 -1.34 0.00	35.95 -1.69 0.00	32.17 -1.31 0.00	31.98 -1.19 0.00	30.92 -1.39 0.00	30.32 -0.91 0.00	32.59 -1.15 0.00	33.11 -1.09 0.00	35.43 -0.95 0.00	34.24 -0.52 0.00	35.26 -0.57 0.00	36.73 -0.52 0.00	37.72 -1.05 0.00	40.54 -1.21 0.00	42.87 -1.56 0.00	44.78 -1.48 0.00	49.56 -2.12 0.00	54.95 -1.47 0.00	55.62 -0.79 0.00	55.68 -0.62 0.00	53.26 -0.76 0.00	50.11 -1.23 0.00	44.02 -1.36 0.00	40.04 -0.65 0.00
EMPIRE_CC_1 323656	43.24 1.50 0.00	38.92 1.28 0.00	34.58 1.10 0.00	34.20 1.03 0.00	33.44 1.13 0.00	32.32 1.09 0.00	34.75 1.01 0.00	35.30 1.09 0.00	37.51 1.13 0.00	35.77 1.01 0.00	36.87 1.04 0.00	38.29 1.04 0.00	39.93 1.16 0.00	43.05 1.30 0.00	45.81 1.38 0.00	47.55 1.29 0.00	52.97 1.29 0.00	58.17 1.75 0.00	58.05 1.64 0.00	57.43 1.13 0.00	54.72 0.70 0.00	52.06 0.72 0.00	46.11 0.72 0.00	41.43 0.73 0.00
EMPIRE_CC_2 323658	43.24 1.50 0.00	38.92 1.28 0.00	34.58 1.10 0.00	34.20 1.03 0.00	33.44 1.13 0.00	32.32 1.09 0.00	34.75 1.01 0.00	35.30 1.09 0.00	37.51 1.13 0.00	35.77 1.01 0.00	36.87 1.04 0.00	38.29 1.04 0.00	39.93 1.16 0.00	43.05 1.30 0.00	45.81 1.38 0.00	47.55 1.29 0.00	52.97 1.29 0.00	58.17 1.75 0.00	58.05 1.64 0.00	57.43 1.13 0.00	54.72 0.70 0.00	52.06 0.72 0.00	46.11 0.72 0.00	41.43 0.73 0.00
ENORWICH_115KV_TB1 80156	43.70 1.96 0.00	39.14 1.51 0.00	34.88 1.41 0.00	34.63 1.46 0.00	33.60 1.29 0.00	32.76 1.53 0.00	35.66 1.92 0.00	36.22 2.02 0.00	38.45 2.07 0.00	36.43 1.67 0.00	37.23 1.40 0.00	38.66 1.42 0.00	40.01 1.24 0.00	43.17 1.42 0.00	45.89 1.47 0.00	48.29 2.04 0.00	54.42 2.74 0.00	60.19 3.78 0.00	61.10 4.68 0.00	61.37 5.07 0.00	58.88 4.86 0.00	55.86 4.52 0.00	48.70 3.31 0.00	43.38 2.69 0.00
ERIE_ST__34_KV_TB1-2 80199	40.49 -1.25 0.00	35.98 -1.66 0.00	32.21 -1.27 0.00	31.98 -1.19 0.00	30.95 -1.36 0.00	30.42 -0.81 0.00	32.73 -1.01 0.00	33.38 -0.82 0.00	35.73 -0.65 0.00	34.48 -0.28 0.00	35.58 -0.25 0.00	37.02 -0.22 0.00	38.03 -0.74 0.00	40.96 -0.79 0.00	43.27 -1.16 0.00	45.33 -0.93 0.00	50.23 -1.45 0.00	55.62 -0.79 0.00	56.36 -0.06 0.00	56.42 0.11 0.00	53.91 -0.11 0.00	50.68 -0.67 0.00	44.48 -0.91 0.00	40.29 -0.41 0.00
ERIE_WT_PWR 323693	40.61 -1.13 0.00	36.06 -1.58 0.00	32.24 -1.24 0.00	32.05 -1.13 0.00	30.98 -1.33 0.00	30.42 -0.81 0.00	32.69 -1.05 0.00	33.25 -0.96 0.00	35.55 -0.84 0.00	34.35 -0.42 0.00	35.44 -0.39 0.00	36.84 -0.41 0.00	37.83 -0.93 0.00	40.71 -1.04 0.00	43.01 -1.42 0.00	44.91 -1.34 0.00	49.97 -1.70 0.00	55.23 -1.19 0.00	55.91 -0.51 0.00	56.47 0.17 0.00	53.58 -0.43 0.00	50.68 -0.67 0.00	44.52 -0.86 0.00	40.25 -0.45 0.00
ESPRGFLD_115KV_TB1 80157	44.58 2.84 0.00	39.94 2.30 0.00	35.52 2.04 0.00	35.23 2.06 0.00	34.28 1.97 0.00	33.20 1.97 0.00	35.97 2.23 0.00	36.49 2.29 0.00	38.67 2.29 0.00	36.81 2.05 0.00	37.77 1.93 0.00	39.18 1.94 0.00	40.66 1.90 0.00	43.84 2.09 0.00	46.69 2.27 0.00	48.80 2.54 0.00	54.68 3.00 0.00	59.97 3.55 0.00	60.53 4.12 0.00	60.64 4.34 0.00	58.12 4.11 0.00	55.25 3.90 0.00	48.74 3.36 0.00	43.50 2.81 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	42.24 0.50 0.00	38.02 0.38 0.00	33.88 0.40 0.00	33.57 0.40 0.00	32.63 0.32 0.00	31.70 0.47 0.00	34.41 0.67 0.00	34.99 0.79 0.00	37.14 0.76 0.00	35.46 0.70 0.00	36.48 0.64 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.29 0.54 0.00	45.01 0.58 0.00	47.04 0.79 0.00	52.66 0.98 0.00	57.88 1.47 0.00	58.28 1.86 0.00	58.22 1.91 0.00	55.75 1.73 0.00	52.83 1.49 0.00	46.38 1.00 0.00	41.43 0.73 0.00
ETNA____115KV_TB2 80207	42.24 0.50 0.00	38.02 0.38 0.00	33.88 0.40 0.00	33.57 0.40 0.00	32.63 0.32 0.00	31.70 0.47 0.00	34.41 0.67 0.00	34.99 0.79 0.00	37.14 0.76 0.00	35.46 0.70 0.00	36.48 0.64 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.29 0.54 0.00	45.01 0.58 0.00	47.04 0.79 0.00	52.66 0.98 0.00	57.88 1.47 0.00	58.28 1.86 0.00	58.22 1.91 0.00	55.75 1.73 0.00	52.83 1.49 0.00	46.38 1.00 0.00	41.43 0.73 0.00
EUCLID__115KV_TB2 356179	41.07 -0.67 0.00	37.11 -0.53 0.00	33.04 -0.44 0.00	32.74 -0.43 0.00	31.86 -0.45 0.00	30.86 -0.37 0.00	33.44 -0.30 0.00	33.83 -0.38 0.00	36.02 -0.36 0.00	34.48 -0.28 0.00	35.51 -0.32 0.00	36.91 -0.34 0.00	38.34 -0.43 0.00	41.29 -0.46 0.00	43.94 -0.49 0.00	45.84 -0.42 0.00	51.11 -0.57 0.00	56.02 -0.39 0.00	56.13 -0.28 0.00	56.02 -0.28 0.00	53.58 -0.43 0.00	50.83 -0.51 0.00	44.80 -0.59 0.00	40.08 -0.61 0.00
E_CANADA_CAP_HY 24051	45.45 3.71 0.00	40.73 3.09 0.00	36.12 2.64 0.00	35.76 2.59 0.00	34.83 2.52 0.00	33.76 2.53 0.00	36.47 2.73 0.00	36.84 2.63 0.00	38.74 2.36 0.00	36.81 2.05 0.00	37.73 1.90 0.00	39.04 1.79 0.00	40.51 1.75 0.00	43.67 1.92 0.00	46.52 2.09 0.00	48.66 2.40 0.00	54.42 2.74 0.00	59.86 3.44 0.00	60.65 4.23 0.00	61.37 5.07 0.00	58.61 4.59 0.00	55.87 4.52 0.00	49.47 4.09 0.00	44.07 3.38 0.00
E_CANADA_MHWK_HY 24050	40.61 -1.13 0.00	36.59 -1.05 0.00	32.54 -0.94 0.00	32.24 -0.93 0.00	31.47 -0.84 0.00	30.45 -0.78 0.00	32.93 -0.81 0.00	33.38 -0.82 0.00	35.51 -0.87 0.00	33.86 -0.90 0.00	34.87 -0.97 0.00	36.28 -0.97 0.00	37.76 -1.01 0.00	40.75 -1.00 0.00	43.36 -1.07 0.00	45.24 -1.02 0.00	50.59 -1.09 0.00	55.23 -1.19 0.00	55.40 -1.01 0.00	55.35 -0.96 0.00	53.10 -0.92 0.00	50.52 -0.82 0.00	44.79 -0.59 0.00	40.12 -0.57 0.00
E_FISHKILL__LBMP 23776	44.20 2.46 0.00	39.63 1.99 0.00	35.12 1.64 0.00	34.73 1.56 0.00	33.86 1.55 0.00	32.67 1.44 0.00	35.43 1.69 0.00	36.29 2.09 0.00	38.75 2.36 0.00	37.09 2.33 0.00	38.30 2.47 0.00	39.85 2.61 0.00	41.71 2.95 0.00	45.01 3.26 0.00	47.89 3.47 0.00	49.77 3.52 0.00	55.40 3.72 0.00	60.42 4.01 0.00	60.19 3.78 0.00	59.06 2.76 0.00	56.34 2.32 0.00	53.66 2.31 0.00	47.70 2.31 0.00	42.85 2.16 0.00
FALCON__SEABRD_CC1 323796	41.20 -0.54 0.00	37.19 -0.45 0.00	33.01 -0.47 0.00	32.78 -0.40 0.00	31.83 -0.48 0.00	30.67 -0.56 0.00	32.90 -0.84 0.00	32.83 -1.37 0.00	-0.55 -1.49 35.43	-6.47 -1.46 39.77	33.81 -1.50 0.52	35.76 -1.49 0.00	37.29 -1.47 0.00	40.08 -1.67 0.00	42.74 -1.69 0.00	44.45 -1.80 0.00	50.69 -0.98 0.00	55.34 -1.07 0.00	55.68 -0.73 0.00	56.08 -0.22 0.00	54.50 0.49 0.00	51.86 0.51 0.00	45.97 0.59 0.00	41.30 0.61 0.00
FALCON__SEABRD_CC2 323797	41.20 -0.54 0.00	37.19 -0.45 0.00	33.01 -0.47 0.00	32.78 -0.40 0.00	31.83 -0.48 0.00	30.67 -0.56 0.00	32.90 -0.84 0.00	32.83 -1.37 0.00	-0.55 -1.49 35.43	-6.47 -1.46 39.77	33.81 -1.50 0.52	35.76 -1.49 0.00	37.29 -1.47 0.00	40.08 -1.67 0.00	42.74 -1.69 0.00	44.45 -1.80 0.00	50.69 -0.98 0.00	55.34 -1.07 0.00	55.68 -0.73 0.00	56.08 -0.22 0.00	54.50 0.49 0.00	51.86 0.51 0.00	45.97 0.59 0.00	41.30 0.61 0.00



FAR ROCKAWAY___4 23548	46.12 4.38 0.00	41.14 3.50 0.00	36.12 2.64 0.00	35.43 2.26 0.00	34.54 2.23 0.00	33.20 1.97 0.00	36.34 2.60 0.00	37.28 3.08 0.00	39.98 3.60 0.00	38.69 3.93 0.00	40.02 4.19 0.00	41.68 4.43 0.00	46.45 4.81 -2.88	48.49 5.34 -1.40	51.07 5.78 -0.87	52.18 5.92 0.00	72.85 6.51 -14.66	98.17 7.05 -34.70	89.88 6.83 -26.64	61.20 4.90 0.00	57.91 3.89 0.00	54.99 3.65 0.00	49.47 4.08 0.00	44.88 4.19 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	44.91 3.17 0.00	40.20 2.56 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.18 1.87 0.00	33.01 1.78 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.47 3.09 0.00	37.93 3.16 0.00	39.20 3.37 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.18 4.43 0.00	49.18 4.75 0.00	51.02 4.76 0.00	56.64 4.96 0.00	61.60 5.19 0.00	61.27 4.85 0.00	60.02 3.72 0.00	57.26 3.24 0.00	54.53 3.18 0.00	48.65 3.27 0.00	43.70 3.01 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	44.91 3.17 0.00	40.24 2.60 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.22 1.91 0.00	33.04 1.81 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.51 3.13 0.00	37.93 3.16 0.00	39.20 3.37 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.18 4.43 0.00	49.18 4.75 0.00	51.07 4.81 0.00	56.64 4.96 0.00	61.60 5.19 0.00	61.27 4.85 0.00	60.02 3.72 0.00	57.26 3.24 0.00	54.58 3.23 0.00	48.65 3.27 0.00	43.74 3.05 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	44.87 3.13 0.00	40.20 2.56 0.00	35.52 2.04 0.00	35.06 1.89 0.00	34.18 1.87 0.00	33.01 1.78 0.00	35.90 2.16 0.00	36.87 2.67 0.00	39.47 3.09 0.00	37.89 3.13 0.00	39.16 3.33 0.00	40.82 3.58 0.00	42.72 3.95 0.00	46.14 4.38 0.00	49.14 4.71 0.00	51.02 4.76 0.00	56.59 4.91 0.00	61.55 5.13 0.00	61.21 4.80 0.00	59.96 3.66 0.00	57.20 3.19 0.00	54.53 3.18 0.00	48.61 3.22 0.00	43.66 2.97 0.00
FARRAGUT___LBMP 323566	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.90 2.16 0.00	36.84 2.63 0.00	39.44 3.06 0.00	37.86 3.09 0.00	39.13 3.30 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.09 4.34 0.00	49.09 4.67 0.00	50.97 4.72 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.66 2.97 0.00
FENNER___WINDPWR 24204	42.45 0.71 0.00	38.20 0.57 0.00	34.01 0.53 0.00	33.70 0.53 0.00	32.80 0.49 0.00	31.79 0.56 0.00	34.45 0.71 0.00	34.95 0.75 0.00	37.18 0.80 0.00	35.46 0.69 0.00	36.44 0.61 0.00	37.88 0.63 0.00	39.31 0.54 0.00	42.38 0.63 0.00	45.05 0.62 0.00	47.04 0.79 0.00	52.71 1.03 0.00	57.83 1.41 0.00	58.05 1.64 0.00	58.10 1.80 0.00	55.58 1.57 0.00	52.78 1.44 0.00	46.38 1.00 0.00	41.46 0.77 0.00
FIBERTEK___ENERGY 23856	41.45 -0.29 0.00	37.45 -0.19 0.00	33.34 -0.13 0.00	33.04 -0.13 0.00	32.15 -0.16 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.24 0.03 0.00	36.42 0.04 0.00	34.83 0.07 0.00	35.90 0.07 0.00	37.32 0.07 0.00	38.73 -0.04 0.00	41.71 -0.04 0.00	44.38 -0.04 0.00	46.35 0.09 0.00	51.73 0.05 0.00	56.70 0.28 0.00	56.87 0.45 0.00	56.70 0.39 0.00	54.29 0.27 0.00	51.50 0.15 0.00	45.29 -0.09 0.00	40.53 -0.16 0.00
FITZPATRICK___ 23598	40.44 -1.29 0.00	36.62 -1.01 0.00	32.61 -0.87 0.00	32.31 -0.86 0.00	31.44 -0.87 0.00	30.45 -0.78 0.00	32.96 -0.77 0.00	33.28 -0.92 0.00	35.40 -0.98 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.68 -1.09 0.00	40.58 -1.17 0.00	43.18 -1.24 0.00	45.01 -1.25 0.00	50.29 -1.39 0.00	55.01 -1.41 0.00	55.12 -1.30 0.00	55.12 -1.19 0.00	52.61 -1.40 0.00	49.96 -1.38 0.00	44.07 -1.32 0.00	39.47 -1.22 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	44.62 2.88 0.00	39.97 2.33 0.00	35.42 1.94 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.95 1.72 0.00	35.66 1.92 0.00	36.49 2.29 0.00	39.04 2.66 0.00	37.27 2.50 0.00	38.45 2.62 0.00	40.00 2.76 0.00	41.91 3.14 0.00	45.26 3.51 0.00	48.25 3.82 0.00	50.23 3.98 0.00	56.02 4.34 0.00	61.15 4.74 0.00	61.04 4.63 0.00	59.79 3.49 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.20 2.81 0.00	43.22 2.52 0.00
FORT ORANGE___ 23900	43.32 1.59 0.00	38.99 1.35 0.00	34.65 1.17 0.00	34.27 1.09 0.00	33.47 1.16 0.00	32.29 1.06 0.00	34.61 0.88 0.00	35.20 0.99 0.00	37.40 1.02 0.00	35.63 0.87 0.00	36.69 0.86 0.00	38.14 0.89 0.00	39.73 0.97 0.00	42.80 1.04 0.00	44.90 1.02 0.55	47.23 0.97 0.00	51.71 0.98 0.95	56.59 1.41 1.24	57.82 1.41 0.00	56.76 1.01 0.55	53.50 0.54 1.05	51.91 0.57 0.00	45.40 0.59 0.57	40.88 0.49 0.30
FORT_DRUM_COGEN 23780	42.87 1.13 0.00	38.58 0.94 0.00	34.32 0.84 0.00	34.04 0.86 0.00	33.05 0.74 0.00	32.10 0.87 0.00	34.79 1.05 0.00	35.13 0.92 0.00	35.72 0.91 1.57	33.56 0.56 1.76	36.13 0.32 0.02	37.62 0.37 0.00	38.84 0.08 0.00	41.84 0.08 0.00	44.43 0.00 0.00	46.49 0.23 0.00	52.30 0.62 0.00	57.54 1.13 0.00	58.11 1.69 0.00	58.61 2.31 0.00	56.45 2.43 0.00	53.86 2.52 0.00	47.16 1.77 0.00	41.99 1.30 0.00
FOX_HILLS___ESR 323835	45.17 3.42 -0.01	40.47 2.82 -0.01	35.80 2.31 -0.01	35.33 2.16 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.24 2.50 0.00	37.15 2.94 -0.01	39.73 3.35 0.00	38.14 3.37 -0.01	39.42 3.58 -0.01	41.09 3.84 -0.01	42.96 4.19 -0.01	46.39 4.63 -0.01	49.37 4.93 -0.01	51.26 5.00 -0.01	56.78 5.17 0.07	57.93 5.13 3.62	56.79 4.80 4.42	55.14 3.55 4.71	55.57 3.13 1.58	54.69 3.34 -0.01	48.84 3.45 -0.01	43.88 3.17 -0.01
FPL_FAR_ROCK_GT1 24212	46.09 4.34 -0.01	41.14 3.50 0.00	36.12 2.64 0.00	35.43 2.26 0.00	34.54 2.23 0.00	33.20 1.97 0.00	36.34 2.60 0.00	37.28 3.08 0.00	39.98 3.60 0.00	38.69 3.93 0.00	40.03 4.19 -0.01	41.69 4.43 -0.01	46.49 4.85 -2.88	48.50 5.35 -1.40	51.07 5.77 -0.87	52.19 5.92 -0.01	72.64 6.30 -14.66	98.34 7.22 -34.70	89.93 6.88 -26.64	61.82 5.52 0.00	58.07 4.05 0.00	54.99 3.65 0.00	49.29 3.90 0.00	44.85 4.15 -0.01
FPL_FAR_ROCK_GT2 23815	46.09 4.34 -0.01	41.14 3.50 0.00	36.12 2.64 0.00	35.43 2.26 0.00	34.54 2.23 0.00	33.20 1.97 0.00	36.34 2.60 0.00	37.28 3.08 0.00	39.98 3.60 0.00	38.69 3.93 0.00	40.03 4.19 -0.01	41.69 4.43 -0.01	46.49 4.85 -2.88	48.50 5.35 -1.40	51.07 5.77 -0.87	52.19 5.92 -0.01	72.64 6.30 -14.66	98.34 7.22 -34.70	89.93 6.88 -26.64	61.82 5.52 0.00	58.07 4.05 0.00	54.99 3.65 0.00	49.29 3.90 0.00	44.85 4.15 -0.01
FRANKLIN_FALL_HYD 24054	41.41 -0.33 0.00	37.41 -0.23 0.00	33.21 -0.27 0.00	32.97 -0.20 0.00	32.02 -0.29 0.00	30.86 -0.37 0.00	33.17 -0.57 0.00	33.45 -0.75 0.00	9.45 -0.84 26.10	4.60 -0.87 29.29	34.59 -0.86 0.38	36.35 -0.89 0.00	37.91 -0.85 0.00	40.71 -1.04 0.00	43.45 -0.98 0.00	45.10 -1.16 0.00	50.95 -0.72 0.00	55.74 -0.68 0.00	55.91 -0.51 0.00	56.53 0.23 0.00	54.61 0.59 0.00	52.06 0.72 0.00	46.16 0.77 0.00	41.43 0.73 0.00



FREEPORT_EQUS_GT1 23764	45.79 4.05 -0.01	40.88 3.24 0.00	35.89 2.41 0.00	35.20 2.02 0.00	34.28 1.97 0.00	32.98 1.75 0.00	36.07 2.33 0.00	37.04 2.84 0.00	39.73 3.34 0.00	38.45 3.68 0.00	39.75 3.91 -0.01	41.39 4.13 -0.01	46.18 4.53 -2.88	48.16 5.01 -1.40	50.11 5.33 -0.35	51.72 5.46 -0.01	62.65 5.68 -5.29	75.47 6.54 -12.52	72.12 6.09 -9.61	60.97 4.67 0.00	57.31 3.30 0.00	54.27 2.93 0.00	48.79 3.41 0.00	44.49 3.79 -0.01
FREEPORT___CT2 23818	45.79 4.05 -0.01	40.88 3.24 0.00	35.89 2.41 0.00	35.20 2.02 0.00	34.28 1.97 0.00	32.98 1.75 0.00	36.07 2.33 0.00	37.04 2.84 0.00	39.73 3.34 0.00	38.45 3.68 0.00	39.75 3.91 -0.01	41.39 4.13 -0.01	46.18 4.53 -2.88	48.16 5.01 -1.40	50.11 5.33 -0.35	51.72 5.46 -0.01	62.65 5.68 -5.29	75.47 6.54 -12.52	72.12 6.09 -9.61	60.97 4.67 0.00	57.31 3.30 0.00	54.27 2.93 0.00	48.79 3.41 0.00	44.49 3.79 -0.01
FRESHKLS_33_KV_LOAD 356253	45.25 3.51 -0.01	40.55 2.90 -0.01	35.90 2.41 -0.01	35.40 2.22 0.00	34.44 2.13 0.00	33.23 2.00 0.00	36.34 2.60 0.00	37.25 3.04 -0.01	39.80 3.42 0.00	38.21 3.44 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.00 4.23 -0.01	46.44 4.68 -0.01	49.37 4.93 -0.01	51.26 5.00 -0.01	56.72 5.12 0.07	57.87 5.08 3.62	56.73 4.74 4.42	55.14 3.55 4.71	55.52 3.08 1.58	54.69 3.34 -0.01	48.93 3.54 -0.01	43.92 3.21 -0.01
FULTON COGEN____ 23766	40.74 -1.00 0.00	36.85 -0.79 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.63 -0.68 0.00	30.64 -0.59 0.00	33.20 -0.54 0.00	33.59 -0.62 0.00	35.69 -0.69 0.00	34.14 -0.63 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	37.99 -0.78 0.00	40.88 -0.88 0.00	43.54 -0.89 0.00	45.42 -0.83 0.00	50.70 -0.98 0.00	55.57 -0.85 0.00	55.68 -0.73 0.00	55.57 -0.73 0.00	53.21 -0.81 0.00	50.47 -0.87 0.00	44.48 -0.91 0.00	39.80 -0.90 0.00
FULTON___LFGE 323630	45.25 3.51 0.00	40.58 2.94 0.00	35.96 2.48 0.00	35.59 2.42 0.00	34.67 2.36 0.00	33.60 2.37 0.00	36.30 2.56 0.00	36.67 2.46 0.00	38.60 2.22 0.00	36.67 1.91 0.00	37.59 1.76 0.00	38.93 1.68 0.00	40.43 1.67 0.00	43.55 1.79 0.00	46.43 2.00 0.00	48.52 2.27 0.00	54.31 2.63 0.00	59.80 3.38 0.00	60.53 4.12 0.00	61.09 4.78 0.00	58.23 4.22 0.00	55.56 4.21 0.00	49.11 3.72 0.00	43.75 3.05 0.00
G.F.CEMENT___DRP 24184	44.16 2.42 0.00	39.67 2.03 0.00	35.15 1.67 0.00	34.73 1.56 0.00	33.86 1.55 0.00	32.79 1.56 0.00	35.39 1.65 0.00	35.88 1.68 0.00	38.05 1.67 0.00	36.19 1.43 0.00	36.98 1.15 0.00	38.44 1.19 0.00	39.93 1.16 0.00	42.96 1.21 0.00	45.81 1.38 0.00	47.74 1.48 0.00	53.75 2.07 0.00	59.07 2.65 0.00	59.69 3.27 0.00	59.40 3.10 0.00	56.56 2.54 0.00	54.02 2.67 0.00	47.70 2.31 0.00	42.61 1.91 0.00
GARDENVILLE___LBMP 24039	40.32 -1.42 0.00	35.87 -1.77 0.00	32.14 -1.34 0.00	31.91 -1.26 0.00	30.89 -1.42 0.00	30.29 -0.94 0.00	32.56 -1.18 0.00	33.07 -1.13 0.00	35.40 -0.98 0.00	34.17 -0.59 0.00	35.22 -0.61 0.00	36.65 -0.60 0.00	37.64 -1.12 0.00	40.46 -1.29 0.00	42.74 -1.69 0.00	44.68 -1.57 0.00	49.51 -2.17 0.00	54.89 -1.52 0.00	55.68 -0.73 0.00	55.80 -0.51 0.00	53.42 -0.59 0.00	50.27 -1.08 0.00	44.11 -1.27 0.00	40.12 -0.57 0.00
GARDNVLA_35_KV_LD 355827	40.57 -1.17 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.08 -1.09 0.00	31.05 -1.26 0.00	30.45 -0.78 0.00	32.73 -1.01 0.00	33.28 -0.92 0.00	35.62 -0.76 0.00	34.41 -0.35 0.00	35.47 -0.36 0.00	36.91 -0.34 0.00	37.91 -0.85 0.00	40.79 -0.96 0.00	43.10 -1.33 0.00	45.05 -1.20 0.00	49.87 -1.81 0.00	55.29 -1.13 0.00	56.08 -0.34 0.00	56.13 -0.17 0.00	53.69 -0.32 0.00	50.47 -0.87 0.00	44.34 -1.04 0.00	40.33 -0.37 0.00
GELCKHM___115KV_LOAD 80723	41.20 -0.54 0.00	37.23 -0.41 0.00	33.14 -0.33 0.00	32.84 -0.33 0.00	31.95 -0.36 0.00	30.98 -0.25 0.00	33.57 -0.17 0.00	33.96 -0.24 0.00	36.16 -0.22 0.00	34.59 -0.17 0.00	35.65 -0.18 0.00	37.06 -0.19 0.00	38.49 -0.27 0.00	41.42 -0.33 0.00	44.12 -0.31 0.00	46.03 -0.23 0.00	51.32 -0.36 0.00	56.25 -0.17 0.00	56.41 0.00 0.00	56.25 -0.06 0.00	53.80 -0.22 0.00	51.09 -0.26 0.00	44.98 -0.41 0.00	40.24 -0.45 0.00
GENERAL___MILLS 23808	40.49 -1.25 0.00	35.98 -1.66 0.00	32.24 -1.24 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.39 -0.84 0.00	32.66 -1.08 0.00	33.21 -0.99 0.00	35.54 -0.84 0.00	34.35 -0.42 0.00	35.40 -0.43 0.00	36.84 -0.41 0.00	37.83 -0.93 0.00	40.71 -1.04 0.00	43.01 -1.42 0.00	44.96 -1.30 0.00	49.77 -1.91 0.00	55.17 -1.24 0.00	55.91 -0.51 0.00	56.02 -0.28 0.00	53.53 -0.49 0.00	50.37 -0.98 0.00	44.25 -1.13 0.00	40.24 -0.45 0.00
GE_PLASTICS___DRP 24183	43.12 1.38 0.00	38.77 1.13 0.00	34.48 1.00 0.00	34.14 0.96 0.00	33.31 1.00 0.00	32.14 0.91 0.00	34.52 0.78 0.00	35.13 0.92 0.00	37.36 0.98 0.00	35.67 0.90 0.00	36.73 0.90 0.00	38.18 0.93 0.00	39.81 1.05 0.00	42.88 1.13 0.00	35.53 0.76 9.65	46.89 0.69 0.06	35.63 0.67 16.72	35.48 0.85 21.78	57.14 0.79 0.06	46.82 0.28 9.76	35.53 0.05 18.54	51.39 0.10 0.06	35.57 0.23 10.04	35.53 0.16 5.33
GILBOA___1 23756	43.07 1.34 0.00	38.73 1.09 0.00	34.65 1.17 0.00	34.40 1.23 0.00	33.57 1.26 0.00	32.20 0.97 0.00	34.65 0.91 0.00	35.33 1.13 0.00	37.62 1.24 0.00	35.95 1.18 0.00	37.09 1.25 0.00	38.55 1.30 0.00	40.20 1.44 0.00	43.34 1.59 0.00	46.12 1.69 0.00	47.97 1.71 0.00	53.38 1.70 0.00	58.56 2.14 0.00	58.44 2.03 0.00	57.99 1.69 0.00	55.20 1.19 0.00	52.47 1.13 0.00	46.47 1.09 0.00	41.71 1.02 0.00
GILBOA___2 23757	43.07 1.34 0.00	38.73 1.09 0.00	34.65 1.17 0.00	34.40 1.23 0.00	33.57 1.26 0.00	32.20 0.97 0.00	34.65 0.91 0.00	35.33 1.13 0.00	37.62 1.24 0.00	35.95 1.18 0.00	37.09 1.25 0.00	38.55 1.30 0.00	40.20 1.44 0.00	43.34 1.59 0.00	46.12 1.69 0.00	47.97 1.71 0.00	53.38 1.70 0.00	58.56 2.14 0.00	58.44 2.03 0.00	57.99 1.69 0.00	55.20 1.19 0.00	52.47 1.13 0.00	46.47 1.09 0.00	41.71 1.02 0.00
GILBOA___3 23758	43.07 1.34 0.00	38.73 1.09 0.00	34.65 1.17 0.00	34.40 1.23 0.00	33.57 1.26 0.00	32.20 0.97 0.00	34.65 0.91 0.00	35.33 1.13 0.00	37.62 1.24 0.00	35.95 1.18 0.00	37.09 1.25 0.00	38.55 1.30 0.00	40.20 1.44 0.00	43.34 1.59 0.00	46.12 1.69 0.00	47.97 1.71 0.00	53.38 1.70 0.00	58.56 2.14 0.00	58.44 2.03 0.00	57.99 1.69 0.00	55.20 1.19 0.00	52.47 1.13 0.00	46.47 1.09 0.00	41.71 1.02 0.00
GILBOA___4 23759	43.07 1.34 0.00	38.73 1.09 0.00	34.65 1.17 0.00	34.40 1.23 0.00	33.57 1.26 0.00	32.20 0.97 0.00	34.65 0.91 0.00	35.33 1.13 0.00	37.62 1.24 0.00	35.95 1.18 0.00	37.09 1.25 0.00	38.55 1.30 0.00	40.20 1.44 0.00	43.34 1.59 0.00	46.12 1.69 0.00	47.97 1.71 0.00	53.38 1.70 0.00	58.56 2.14 0.00	58.44 2.03 0.00	57.99 1.69 0.00	55.20 1.19 0.00	52.47 1.13 0.00	46.47 1.09 0.00	41.71 1.02 0.00



GILBOA____ 23599	43.07 1.34 0.00	38.73 1.09 0.00	34.65 1.17 0.00	34.40 1.23 0.00	33.57 1.26 0.00	32.20 0.97 0.00	34.65 0.91 0.00	35.33 1.13 0.00	37.62 1.24 0.00	35.94 1.18 0.00	37.09 1.25 0.00	38.55 1.30 0.00	40.20 1.43 0.00	43.34 1.59 0.00	46.12 1.69 0.00	47.97 1.71 0.00	53.49 1.81 0.00	58.45 2.03 0.00	58.45 2.03 0.00	57.77 1.46 0.00	55.21 1.19 0.00	52.53 1.18 0.00	46.52 1.13 0.00	41.71 1.02 0.00
GINNA____ 23603	39.28 -2.46 0.00	35.19 -2.45 0.00	31.40 -2.08 0.00	31.15 -2.02 0.00	30.18 -2.13 0.00	29.42 -1.81 0.00	31.88 -1.86 0.00	32.32 -1.88 0.00	34.49 -1.89 0.00	33.20 -1.56 0.00	34.26 -1.58 0.00	35.61 -1.64 0.00	36.71 -2.06 0.00	39.46 -2.30 0.00	41.99 -2.44 0.00	43.80 -2.45 0.00	49.10 -2.58 0.00	53.88 -2.54 0.00	54.16 -2.26 0.00	54.50 -1.80 0.00	51.85 -2.16 0.00	49.14 -2.21 0.00	43.12 -2.27 0.00	38.70 -1.99 0.00
GLEN PARK____ 23778	43.07 1.34 0.00	38.77 1.13 0.00	34.48 1.00 0.00	34.20 1.03 0.00	33.18 0.87 0.00	32.26 1.03 0.00	34.99 1.25 0.00	35.26 1.06 0.00	35.95 1.06 1.49	33.79 0.69 1.67	36.24 0.43 0.02	37.77 0.52 0.00	38.92 0.16 0.00	41.96 0.21 0.00	44.52 0.09 0.00	46.62 0.37 0.00	52.61 0.93 0.00	57.88 1.46 0.00	58.50 2.09 0.00	59.12 2.81 0.00	56.88 2.86 0.00	54.27 2.93 0.00	47.47 2.09 0.00	42.24 1.55 0.00
GLENDALE_27_KV_LOAD 356172	45.16 3.42 0.00	40.46 2.82 0.00	35.76 2.28 0.00	35.33 2.16 0.00	34.41 2.10 0.00	33.20 1.97 0.00	36.17 2.43 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.21 3.44 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.10 5.43 0.00	61.94 5.53 0.00	61.60 5.19 0.00	60.30 4.00 0.00	57.53 3.51 0.00	54.84 3.49 0.00	48.97 3.59 0.00	43.99 3.30 0.00
GLENWOOD_IC_1_G5 23712	45.33 3.59 0.00	40.50 2.86 0.00	35.69 2.21 0.00	35.13 1.96 0.00	34.25 1.94 0.00	32.98 1.75 0.00	35.97 2.23 0.00	36.90 2.70 0.00	39.55 3.17 0.00	38.13 3.37 0.00	39.45 3.62 0.00	41.12 3.87 0.00	45.87 4.23 -2.88	47.83 4.68 -1.40	49.69 5.02 -0.24	51.34 5.09 0.00	60.37 5.12 -3.58	70.35 5.47 -8.47	68.05 5.13 -6.50	59.85 3.55 0.00	56.88 2.86 0.00	54.43 3.08 0.00	48.70 3.31 0.00	44.03 3.34 0.00
GLENWOOD_IC_2_G1 23688	45.00 3.26 -0.01	40.27 2.63 0.00	35.52 2.04 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.92 1.69 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.36 2.98 0.00	37.89 3.13 0.00	39.17 3.33 -0.01	40.83 3.58 -0.01	45.56 3.91 -2.88	47.49 4.34 -1.40	49.21 4.66 -0.12	50.98 4.72 -0.01	58.24 4.75 -1.81	66.17 5.47 -4.28	64.72 5.02 -3.29	60.30 4.00 0.00	56.99 2.97 0.00	54.17 2.82 0.00	48.38 2.99 0.00	43.71 3.01 -0.01
GLENWOOD_IC_3_G1 23689	45.00 3.26 -0.01	40.27 2.63 0.00	35.52 2.04 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.92 1.69 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.36 2.98 0.00	37.89 3.13 0.00	39.17 3.33 -0.01	40.83 3.58 -0.01	45.56 3.91 -2.88	47.49 4.34 -1.40	49.21 4.66 -0.12	50.98 4.72 -0.01	58.24 4.75 -1.81	66.17 5.47 -4.28	64.72 5.02 -3.29	60.30 4.00 0.00	56.99 2.97 0.00	54.17 2.82 0.00	48.38 2.99 0.00	43.71 3.01 -0.01
GLENWOOD____4 23550	45.33 3.59 0.00	40.50 2.86 0.00	35.69 2.21 0.00	35.13 1.96 0.00	34.25 1.94 0.00	32.98 1.75 0.00	35.97 2.23 0.00	36.90 2.70 0.00	39.55 3.17 0.00	38.13 3.37 0.00	39.45 3.62 0.00	41.12 3.87 0.00	45.87 4.23 -2.88	47.83 4.68 -1.40	49.69 5.02 -0.24	51.34 5.09 0.00	60.53 5.27 -3.58	70.47 5.59 -8.47	68.22 5.30 -6.50	60.02 3.72 0.00	56.99 2.97 0.00	54.43 3.08 0.00	48.70 3.31 0.00	44.03 3.34 0.00
GLENWOOD____5 23614	45.33 3.59 0.00	40.50 2.86 0.00	35.69 2.21 0.00	35.13 1.96 0.00	34.25 1.94 0.00	32.98 1.75 0.00	35.97 2.23 0.00	36.90 2.70 0.00	39.55 3.17 0.00	38.13 3.37 0.00	39.45 3.62 0.00	41.12 3.87 0.00	45.87 4.23 -2.88	47.83 4.68 -1.40	49.69 5.02 -0.24	51.34 5.09 0.00	60.53 5.27 -3.58	70.47 5.59 -8.47	68.22 5.30 -6.50	60.02 3.72 0.00	56.99 2.97 0.00	54.43 3.08 0.00	48.70 3.31 0.00	44.03 3.34 0.00
GLOBAL GREEN_PORT_GT1 23814	46.42 4.67 -0.01	41.18 3.54 0.00	35.92 2.44 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.67 1.44 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.73 3.34 0.00	39.14 4.38 0.00	40.03 4.19 -0.01	41.50 4.24 -0.01	46.76 5.12 -2.88	49.41 6.26 -1.40	51.52 6.98 -0.12	58.52 7.21 -5.05	62.55 7.70 -3.17	72.68 9.14 -7.13	65.71 7.84 -1.46	62.39 6.08 0.00	58.29 4.27 0.00	55.15 3.80 0.00	49.84 4.45 0.00	45.79 5.09 -0.01
GLOBE____DSASP 323697	39.36 -2.38 0.00	35.46 -2.18 0.00	31.70 -1.77 0.00	31.51 -1.66 0.00	30.47 -1.84 0.00	28.89 -2.34 0.00	31.68 -2.06 0.00	32.08 -2.12 0.00	34.38 -2.00 0.00	33.23 -1.53 0.00	34.26 -1.58 0.00	35.65 -1.60 0.00	36.63 -2.13 0.00	39.37 -2.38 0.00	41.63 -2.80 0.00	43.43 -2.82 0.00	48.01 -3.67 0.00	53.20 -3.22 0.00	53.82 -2.60 0.00	53.83 -2.48 0.00	51.48 -2.54 0.00	48.37 -2.98 0.00	42.53 -2.86 0.00	38.82 -1.87 0.00
GOETHSLN____LBMP 323567	44.62 2.88 0.00	39.97 2.33 0.00	35.29 1.81 0.00	34.86 1.69 0.01	33.95 1.65 0.01	32.78 1.56 0.01	35.65 1.92 0.01	36.67 2.46 0.00	39.25 2.87 0.00	37.68 2.92 0.00	38.95 3.12 0.00	40.64 3.39 0.00	42.53 3.76 0.00	45.93 4.18 0.00	48.92 4.49 0.00	50.79 4.53 0.00	56.10 4.50 0.08	57.47 4.68 3.63	56.33 4.34 4.43	54.79 3.21 4.72	55.19 2.75 1.59	54.17 2.82 0.00	48.38 3.00 0.00	43.50 2.81 0.00
GOLAH____69_KV_TB 1_2 80279	41.36 -0.38 0.00	36.96 -0.68 0.00	33.01 -0.47 0.00	32.71 -0.46 0.00	31.66 -0.65 0.00	30.95 -0.28 0.00	33.47 -0.27 0.00	33.86 -0.34 0.00	36.13 -0.25 0.00	34.73 -0.03 0.00	35.80 -0.04 0.00	37.21 -0.04 0.00	38.26 -0.50 0.00	41.21 -0.54 0.00	43.67 -0.76 0.00	45.61 -0.65 0.00	50.70 -0.98 0.00	56.02 -0.39 0.00	56.53 0.11 0.00	56.70 0.39 0.00	54.23 0.22 0.00	51.09 -0.26 0.00	44.84 -0.54 0.00	40.53 -0.16 0.00
GOODYEAR_LAKE_HYD 323669	43.70 1.96 0.00	39.18 1.54 0.00	34.92 1.44 0.00	34.63 1.46 0.00	33.70 1.39 0.00	32.60 1.37 0.00	35.32 1.59 0.00	35.95 1.74 0.00	38.27 1.89 0.00	36.50 1.74 0.00	37.55 1.72 0.00	39.04 1.79 0.00	40.55 1.78 0.00	43.76 2.00 0.00	46.52 2.09 0.00	48.57 2.31 0.00	54.37 2.69 0.00	59.52 3.10 0.00	59.80 3.38 0.00	59.46 3.15 0.00	56.88 2.86 0.00	54.07 2.72 0.00	47.70 2.31 0.00	42.65 1.95 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	41.91 0.17 0.00	37.64 0.00 0.00	33.55 0.07 0.00	33.27 0.10 0.00	32.37 0.06 0.00	31.42 0.19 0.00	34.08 0.34 0.00	34.72 0.51 0.00	36.96 0.58 0.00	35.39 0.63 0.00	36.44 0.61 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.34 0.58 0.00	45.05 0.62 0.00	47.00 0.74 0.00	52.45 0.78 0.00	57.60 1.18 0.00	57.88 1.47 0.00	57.65 1.35 0.00	55.15 1.13 0.00	52.27 0.92 0.00	45.98 0.59 0.00	41.18 0.49 0.00



GOUDEY___7 23579	41.91 0.17 0.00	37.64 0.00 0.00	33.55 0.07 0.00	33.27 0.10 0.00	32.37 0.06 0.00	31.42 0.19 0.00	34.08 0.34 0.00	34.72 0.51 0.00	36.96 0.58 0.00	35.39 0.63 0.00	36.44 0.61 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.34 0.58 0.00	45.05 0.62 0.00	47.00 0.74 0.00	52.45 0.78 0.00	57.60 1.18 0.00	57.88 1.47 0.00	57.65 1.35 0.00	55.15 1.13 0.00	52.27 0.92 0.00	45.98 0.59 0.00	41.18 0.49 0.00
GOUDEY___8 23580	41.91 0.17 0.00	37.64 0.00 0.00	33.55 0.07 0.00	33.27 0.10 0.00	32.37 0.06 0.00	31.42 0.19 0.00	34.08 0.34 0.00	34.72 0.51 0.00	36.96 0.58 0.00	35.39 0.63 0.00	36.44 0.61 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.34 0.58 0.00	45.05 0.62 0.00	47.00 0.74 0.00	52.45 0.78 0.00	57.60 1.18 0.00	57.88 1.47 0.00	57.65 1.35 0.00	55.15 1.13 0.00	52.27 0.92 0.00	45.98 0.59 0.00	41.18 0.49 0.00
GOWANUS_GT1_1 24077	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT1_2 24078	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT1_3 24079	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT1_4 24080	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT1_5 24084	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT1_6 24111	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT1_7 24112	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT1_8 24113	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT2_1 24114	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT2_2 24115	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT2_3 24116	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT2_4 24117	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT2_5 24118	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01



GOWANUS_GT2_6 24119	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT2_7 24120	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT2_8 24121	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT3_1 24122	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT3_2 24123	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT3_3 24124	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT3_4 24125	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT3_5 24126	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT3_6 24127	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT3_7 24128	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT3_8 24129	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
GOWANUS_GT4_1 24130	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT4_2 24131	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT4_3 24132	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT4_4 24133	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01



GOWANUS_GT4_5 24134	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT4_6 24135	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT4_7 24136	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GOWANUS_GT4_8 24137	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GREATVRV_69_KV_BK1 356245	46.54 4.80 0.00	41.40 3.76 0.00	36.22 2.75 0.00	35.43 2.26 0.00	34.54 2.23 0.00	33.17 1.94 0.00	36.37 2.63 0.00	37.35 3.15 0.00	40.06 3.67 0.00	39.00 4.24 0.00	40.27 4.44 0.00	41.87 4.62 0.00	46.88 5.23 -2.88	49.04 5.89 -1.40	50.76 6.22 -0.11	57.24 6.15 -4.83	60.82 6.67 -2.47	69.37 7.33 -5.62	65.22 6.88 -1.93	60.92 4.62 0.00	57.65 3.62 -0.01	54.70 3.34 -0.01	49.56 4.18 0.00	45.17 4.48 0.00
GREENBSH_115KV_TB3 55895	43.12 1.38 0.00	38.81 1.17 0.00	34.52 1.04 0.00	34.14 0.96 0.00	33.31 1.00 0.00	32.17 0.94 0.00	34.48 0.74 0.00	35.06 0.86 0.00	37.29 0.91 0.00	35.56 0.80 0.00	36.66 0.82 0.00	38.10 0.86 0.00	39.66 0.89 0.00	42.71 0.96 0.00	45.32 0.89 0.00	47.14 0.88 0.00	52.56 0.88 0.00	57.49 1.07 0.00	57.49 1.07 0.00	56.81 0.51 0.00	54.23 0.22 0.00	51.65 0.31 0.00	45.79 0.41 0.00	40.98 0.28 0.00
GREENDGE_115KV_TB5 80291	41.86 0.13 0.00	37.53 -0.11 0.00	33.48 0.00 0.00	33.24 0.07 0.00	32.28 -0.03 0.00	31.48 0.25 0.00	34.31 0.57 0.00	34.96 0.75 0.00	37.14 0.76 0.00	35.53 0.76 0.00	36.58 0.75 0.00	38.03 0.78 0.00	39.27 0.50 0.00	42.21 0.46 0.00	44.52 0.09 0.00	46.53 0.28 0.00	51.99 0.31 0.00	57.43 1.02 0.00	58.05 1.64 0.00	58.22 1.91 0.00	55.69 1.67 0.00	52.58 1.23 0.00	46.02 0.64 0.00	41.18 0.49 0.00
GREENIDGE___3 23582	41.86 0.13 0.00	37.53 -0.11 0.00	33.48 0.00 0.00	33.24 0.07 0.00	32.28 -0.03 0.00	31.48 0.25 0.00	34.31 0.57 0.00	34.96 0.75 0.00	37.14 0.76 0.00	35.53 0.76 0.00	36.58 0.75 0.00	38.03 0.78 0.00	39.27 0.50 0.00	42.21 0.46 0.00	44.52 0.09 0.00	46.53 0.28 0.00	51.99 0.31 0.00	57.43 1.02 0.00	58.05 1.64 0.00	58.22 1.91 0.00	55.69 1.67 0.00	52.58 1.23 0.00	46.02 0.64 0.00	41.18 0.49 0.00
GREENIDGE___4 23583	41.86 0.13 0.00	37.53 -0.11 0.00	33.48 0.00 0.00	33.24 0.07 0.00	32.28 -0.03 0.00	31.48 0.25 0.00	34.31 0.57 0.00	34.95 0.75 0.00	37.15 0.77 0.00	35.53 0.76 0.00	36.62 0.79 0.00	38.03 0.78 0.00	39.27 0.50 0.00	42.21 0.46 0.00	44.52 0.09 0.00	46.54 0.28 0.00	52.09 0.41 0.00	57.48 1.07 0.00	58.05 1.64 0.00	58.50 2.19 0.00	55.69 1.68 0.00	52.73 1.39 0.00	46.16 0.77 0.00	41.18 0.49 0.00
GREENLWN_69_KV_BK 3 55738	45.33 3.59 0.00	40.42 2.79 0.00	35.45 1.98 0.00	34.77 1.59 0.00	33.86 1.55 0.00	32.54 1.31 0.00	35.63 1.89 0.00	36.60 2.39 0.00	39.25 2.87 0.00	38.07 3.30 0.00	39.34 3.51 0.00	40.97 3.72 0.00	45.79 4.15 -2.88	47.45 4.30 -1.40	49.15 4.67 -0.05	49.65 4.35 0.95	56.80 4.70 -0.42	62.50 5.02 -1.07	62.75 4.63 -1.71	58.89 2.59 0.00	55.69 1.67 0.00	52.88 1.54 0.00	47.93 2.54 0.00	43.99 3.30 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01
GRISSOM___SOLAR 323813	45.00 3.26 0.00	40.35 2.71 0.00	35.79 2.31 0.00	35.43 2.26 0.00	34.51 2.20 0.00	33.45 2.22 0.00	36.13 2.40 0.00	36.53 2.33 0.00	38.53 2.15 0.00	36.60 1.84 0.00	37.55 1.72 0.00	38.88 1.64 0.00	40.43 1.67 0.00	43.55 1.79 0.00	46.43 2.00 0.00	48.48 2.22 0.00	54.21 2.53 0.00	59.69 3.27 0.00	60.30 3.89 0.00	60.70 4.39 0.00	57.85 3.84 0.00	55.20 3.85 0.00	48.79 3.41 0.00	43.50 2.81 0.00
GROVEVILLE___HYD 323602	44.62 2.88 0.00	39.97 2.33 0.00	35.42 1.94 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.95 1.72 0.00	35.66 1.92 0.00	36.49 2.29 0.00	39.04 2.66 0.00	37.27 2.50 0.00	38.45 2.62 0.00	40.00 2.76 0.00	41.91 3.14 0.00	45.26 3.51 0.00	48.25 3.82 0.00	50.23 3.98 0.00	56.02 4.34 0.00	61.15 4.74 0.00	61.04 4.63 0.00	59.79 3.49 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.20 2.81 0.00	43.22 2.52 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	41.45 -0.29 0.00	37.45 -0.19 0.00	33.34 -0.13 0.00	33.04 -0.13 0.00	32.15 -0.16 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.24 0.03 0.00	36.42 0.04 0.00	34.83 0.07 0.00	35.90 0.07 0.00	37.32 0.07 0.00	38.73 -0.04 0.00	41.71 -0.04 0.00	44.38 -0.04 0.00	46.35 0.09 0.00	51.73 0.05 0.00	56.70 0.28 0.00	56.87 0.45 0.00	56.70 0.39 0.00	54.29 0.27 0.00	51.50 0.15 0.00	45.29 -0.09 0.00	40.53 -0.16 0.00
HAMLTNNY_34_KV_TB 80303	41.53 -0.21 0.00	37.45 -0.19 0.00	33.38 -0.10 0.00	33.07 -0.10 0.00	32.15 -0.16 0.00	31.20 -0.03 0.00	33.84 0.10 0.00	34.31 0.10 0.00	36.49 0.11 0.00	34.94 0.17 0.00	36.01 0.18 0.00	37.43 0.19 0.00	38.80 0.04 0.00	41.75 0.00 0.00	44.47 0.04 0.00	46.40 0.14 0.00	51.78 0.10 0.00	56.87 0.45 0.00	57.09 0.68 0.00	56.98 0.68 0.00	54.50 0.49 0.00	51.65 0.31 0.00	45.43 0.05 0.00	40.65 -0.04 0.00



HAMPSHIRE___PAPER_HYD 323593	42.16 0.42 0.00	38.02 0.38 0.00	33.78 0.30 0.00	33.51 0.33 0.00	32.54 0.23 0.00	31.51 0.28 0.00	34.08 0.34 0.00	34.44 0.24 0.00	32.58 0.18 3.99	30.25 -0.03 4.47	35.63 -0.14 0.06	37.10 -0.15 0.00	38.50 -0.27 0.00	41.42 -0.34 0.00	44.07 -0.36 0.00	45.75 -0.51 0.00	51.37 -0.31 0.00	56.19 -0.22 0.00	56.53 0.11 0.00	56.81 0.51 0.00	54.83 0.81 0.00	52.47 1.13 0.00	46.34 0.95 0.00	41.51 0.81 0.00
HARDSCRABBLE_WT_PWR 323673	40.70 -1.04 0.00	36.66 -0.98 0.00	32.64 -0.84 0.00	32.35 -0.83 0.00	31.53 -0.78 0.00	30.54 -0.69 0.00	33.00 -0.74 0.00	33.48 -0.72 0.00	35.62 -0.77 0.00	33.96 -0.80 0.00	34.97 -0.86 0.00	36.39 -0.86 0.00	37.91 -0.85 0.00	40.87 -0.88 0.00	43.49 -0.94 0.00	45.38 -0.88 0.00	50.75 -0.93 0.00	55.51 -0.90 0.00	55.68 -0.73 0.00	55.63 -0.67 0.00	53.31 -0.70 0.00	50.73 -0.61 0.00	44.98 -0.41 0.00	40.29 -0.41 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	44.41 2.67 0.00	39.78 2.15 0.00	35.25 1.77 0.00	34.87 1.69 0.00	33.99 1.68 0.00	32.82 1.59 0.00	35.59 1.86 0.00	36.46 2.26 0.00	38.96 2.58 0.00	37.30 2.54 0.00	38.48 2.65 0.00	40.08 2.83 0.00	41.94 3.18 0.00	45.30 3.55 0.00	48.25 3.82 0.00	50.14 3.89 0.00	55.92 4.24 0.00	61.04 4.63 0.00	60.81 4.40 0.00	59.62 3.32 0.00	56.83 2.81 0.00	54.12 2.77 0.00	48.06 2.68 0.00	43.13 2.44 0.00
HARSNRAD_115KV_TB1 81005	40.28 -1.46 0.00	35.68 -1.96 0.00	31.94 -1.54 0.00	31.71 -1.46 0.00	30.66 -1.65 0.00	30.20 -1.03 0.00	32.36 -1.38 0.00	32.77 -1.44 0.00	35.07 -1.31 0.00	33.89 -0.87 0.00	34.90 -0.93 0.00	36.35 -0.89 0.00	37.33 -1.43 0.00	40.12 -1.63 0.00	42.43 -2.00 0.00	44.31 -1.94 0.00	48.99 -2.69 0.00	54.33 -2.09 0.00	55.06 -1.35 0.00	55.12 -1.18 0.00	52.72 -1.30 0.00	49.60 -1.75 0.00	43.57 -1.82 0.00	39.80 -0.90 0.00
HARZA MOOSE___RIVER 24016	42.53 0.79 0.00	38.28 0.64 0.00	34.01 0.54 0.00	33.74 0.56 0.00	32.79 0.48 0.00	31.79 0.56 0.00	34.45 0.71 0.00	34.85 0.65 0.00	35.97 0.69 1.10	33.98 0.45 1.24	36.14 0.32 0.02	37.58 0.34 0.00	38.96 0.19 0.00	42.00 0.25 0.00	44.61 0.18 0.00	46.58 0.32 0.00	52.30 0.62 0.00	57.37 0.96 0.00	57.71 1.30 0.00	57.82 1.52 0.00	55.53 1.51 0.00	52.89 1.54 0.00	46.52 1.13 0.00	41.55 0.85 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	41.24 -0.50 0.00	37.23 -0.41 0.00	33.18 -0.30 0.00	32.87 -0.30 0.00	31.99 -0.32 0.00	30.98 -0.25 0.00	33.60 -0.13 0.00	34.03 -0.17 0.00	36.20 -0.18 0.00	34.66 -0.10 0.00	35.72 -0.11 0.00	37.14 -0.11 0.00	38.53 -0.23 0.00	41.50 -0.25 0.00	44.16 -0.27 0.00	46.07 -0.19 0.00	51.42 -0.26 0.00	56.36 -0.06 0.00	56.47 0.06 0.00	56.30 0.00 0.00	53.91 -0.11 0.00	51.14 -0.21 0.00	45.02 -0.36 0.00	40.29 -0.41 0.00
HELLGATE_13_KV_LD 55870	45.21 3.46 0.00	40.50 2.86 0.00	35.83 2.34 0.00	35.37 2.19 0.00	34.44 2.13 0.00	33.20 1.97 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.21 3.44 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.06 5.37 0.00	61.89 5.47 0.00	61.55 5.13 0.00	60.25 3.94 0.00	57.53 3.51 0.00	54.84 3.49 0.00	48.97 3.59 0.00	43.99 3.30 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	45.21 3.46 0.00	40.50 2.86 0.00	35.83 2.34 0.00	35.37 2.19 0.00	34.44 2.13 0.00	33.20 1.97 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.21 3.44 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.06 5.37 0.00	61.89 5.47 0.00	61.55 5.13 0.00	60.25 3.94 0.00	57.53 3.51 0.00	54.84 3.49 0.00	48.97 3.59 0.00	43.99 3.30 0.00
HEMPSTEAD____ 23647	45.34 3.59 -0.01	40.50 2.86 0.00	35.62 2.14 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.83 2.09 0.00	36.80 2.60 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.42 3.58 -0.01	41.06 3.80 -0.01	45.83 4.19 -2.88	47.74 4.59 -1.40	49.63 4.93 -0.28	51.26 5.00 -0.01	60.75 5.07 -4.00	71.70 5.81 -9.47	69.05 5.36 -7.27	60.36 4.06 0.00	56.82 2.81 0.00	53.91 2.57 0.00	48.38 2.99 0.00	44.04 3.34 -0.01
HICKLING___1 23621	41.49 -0.25 0.00	37.11 -0.53 0.00	33.21 -0.27 0.00	32.94 -0.23 0.00	31.99 -0.32 0.00	31.23 0.00 0.00	33.98 0.24 0.00	34.65 0.44 0.00	36.85 0.47 0.00	35.35 0.59 0.00	36.41 0.57 0.00	37.84 0.60 0.00	39.08 0.31 0.00	42.00 0.25 0.00	44.70 0.27 0.00	46.72 0.46 0.00	52.14 0.47 0.00	57.60 1.18 0.00	58.28 1.86 0.00	58.39 2.08 0.00	55.91 1.89 0.00	52.78 1.44 0.00	46.20 0.82 0.00	41.34 0.65 0.00
HICKLING___2 23622	41.49 -0.25 0.00	37.11 -0.53 0.00	33.21 -0.27 0.00	32.94 -0.23 0.00	31.99 -0.32 0.00	31.23 0.00 0.00	33.98 0.24 0.00	34.65 0.44 0.00	36.85 0.47 0.00	35.35 0.59 0.00	36.41 0.57 0.00	37.84 0.60 0.00	39.08 0.31 0.00	42.00 0.25 0.00	44.70 0.27 0.00	46.72 0.46 0.00	52.14 0.47 0.00	57.60 1.18 0.00	58.28 1.86 0.00	58.39 2.08 0.00	55.91 1.89 0.00	52.78 1.44 0.00	46.20 0.82 0.00	41.34 0.65 0.00
HIGH FALLS___HY 23754	44.58 2.84 0.00	39.90 2.26 0.00	35.39 1.91 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.92 1.69 0.00	35.66 1.92 0.00	36.53 2.33 0.00	39.11 2.73 0.00	37.37 2.61 0.00	38.56 2.72 0.00	40.15 2.91 0.00	42.06 3.30 0.00	45.43 3.67 0.00	47.90 4.09 0.62	50.51 4.26 0.00	55.41 4.81 1.08	60.32 5.30 1.40	61.60 5.19 0.00	59.67 4.00 0.63	56.34 3.51 1.19	54.73 3.39 0.00	47.87 3.13 0.65	43.16 2.81 0.34
HIGH_RIVER___SOLAR 323847	43.95 2.21 0.00	39.48 1.84 0.00	35.05 1.57 0.00	34.70 1.53 0.00	33.83 1.52 0.00	32.70 1.47 0.00	35.26 1.52 0.00	35.67 1.47 0.00	37.62 1.24 0.00	35.70 0.94 0.00	36.66 0.82 0.00	37.95 0.71 0.00	39.50 0.73 0.00	42.59 0.83 0.00	45.36 0.93 0.00	47.32 1.06 0.00	52.87 1.19 0.00	58.39 1.97 0.00	58.96 2.54 0.00	59.17 2.87 0.00	56.45 2.43 0.00	53.76 2.41 0.00	47.56 2.18 0.00	42.53 1.83 0.00
HILLBURN___GT 23639	44.41 2.67 0.00	39.82 2.18 0.00	35.25 1.77 0.00	34.83 1.66 0.00	33.96 1.65 0.00	32.82 1.59 0.00	35.66 1.92 0.00	36.53 2.33 0.00	39.07 2.69 0.00	37.44 2.68 0.00	38.66 2.83 0.00	40.26 3.02 0.00	42.14 3.37 0.00	45.47 3.71 0.00	48.43 4.00 0.00	50.28 4.02 0.00	55.76 4.08 0.00	61.15 4.74 0.00	60.76 4.34 0.00	59.85 3.55 0.00	56.77 2.75 0.00	53.96 2.62 0.00	47.97 2.59 0.00	43.13 2.44 0.00
HILLSIDE_115KV_TB1 80332	41.03 -0.71 0.00	36.77 -0.87 0.00	32.84 -0.64 0.00	32.58 -0.60 0.00	31.66 -0.65 0.00	30.89 -0.34 0.00	33.57 -0.17 0.00	34.27 0.07 0.00	36.49 0.11 0.00	35.01 0.24 0.00	36.05 0.21 0.00	37.47 0.22 0.00	38.73 -0.04 0.00	41.71 -0.04 0.00	44.30 -0.13 0.00	46.26 0.00 0.00	51.68 0.00 0.00	56.87 0.45 0.00	57.37 0.96 0.00	57.32 1.01 0.00	54.88 0.86 0.00	51.86 0.51 0.00	45.43 0.05 0.00	40.69 0.00 0.00



HISHELDN_WT_PWR 323625	40.07 -1.67 0.00	35.72 -1.92 0.00	32.01 -1.47 0.00	31.81 -1.36 0.00	30.79 -1.52 0.00	30.20 -1.03 0.00	32.49 -1.25 0.00	32.94 -1.26 0.00	35.18 -1.20 0.00	33.93 -0.83 0.00	34.97 -0.86 0.00	36.32 -0.93 0.00	37.33 -1.43 0.00	40.12 -1.63 0.00	42.39 -2.04 0.00	44.27 -1.99 0.00	49.25 -2.43 0.00	54.67 -1.75 0.00	55.46 -0.96 0.00	56.19 -0.11 0.00	53.48 -0.54 0.00	50.68 -0.67 0.00	44.39 -1.00 0.00	40.04 -0.65 0.00
HOLTSVILLE_IC_1 23690	45.75 4.01 -0.01	40.73 3.09 0.00	35.65 2.17 0.00	34.90 1.72 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.80 2.06 0.00	36.73 2.53 0.00	39.40 3.02 0.00	38.41 3.65 0.00	39.60 3.76 -0.01	41.13 3.87 -0.01	45.98 4.34 -2.88	48.12 4.97 -1.40	49.74 5.20 -0.11	56.35 5.13 -4.96	59.95 5.17 -3.11	69.38 5.98 -6.98	63.15 5.30 -1.43	60.18 3.88 0.00	56.34 2.32 0.00	53.35 2.00 0.00	48.38 2.99 0.00	44.32 3.62 -0.01
HOLTSVILLE_IC_10 23699	46.01 4.26 -0.01	40.91 3.27 0.00	35.79 2.31 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.79 1.56 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.58 3.20 0.00	38.62 3.86 0.00	39.82 3.98 -0.01	41.35 4.10 -0.01	46.29 4.65 -2.88	48.50 5.35 -1.40	50.20 5.64 -0.12	57.14 5.59 -5.29	60.71 5.68 -3.35	70.54 6.60 -7.53	63.83 5.87 -1.55	60.70 4.39 0.00	56.83 2.81 -0.01	53.76 2.41 -0.01	48.70 3.31 0.00	44.57 3.87 -0.01
HOLTSVILLE_IC_2 23691	45.75 4.01 -0.01	40.73 3.09 0.00	35.65 2.17 0.00	34.90 1.72 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.80 2.06 0.00	36.73 2.53 0.00	39.40 3.02 0.00	38.41 3.65 0.00	39.60 3.76 -0.01	41.13 3.87 -0.01	45.98 4.34 -2.88	48.12 4.97 -1.40	49.74 5.20 -0.11	56.35 5.13 -4.96	59.95 5.17 -3.11	69.38 5.98 -6.98	63.15 5.30 -1.43	60.18 3.88 0.00	56.34 2.32 0.00	53.35 2.00 0.00	48.38 2.99 0.00	44.32 3.62 -0.01
HOLTSVILLE_IC_3 23692	45.75 4.01 -0.01	40.73 3.09 0.00	35.65 2.17 0.00	34.90 1.72 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.80 2.06 0.00	36.73 2.53 0.00	39.40 3.02 0.00	38.41 3.65 0.00	39.60 3.76 -0.01	41.13 3.87 -0.01	45.98 4.34 -2.88	48.12 4.97 -1.40	49.74 5.20 -0.11	56.35 5.13 -4.96	59.95 5.17 -3.11	69.38 5.98 -6.98	63.15 5.30 -1.43	60.18 3.88 0.00	56.34 2.32 0.00	53.35 2.00 0.00	48.38 2.99 0.00	44.32 3.62 -0.01
HOLTSVILLE_IC_4 23693	45.75 4.01 -0.01	40.73 3.09 0.00	35.65 2.17 0.00	34.90 1.72 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.80 2.06 0.00	36.73 2.53 0.00	39.40 3.02 0.00	38.41 3.65 0.00	39.60 3.76 -0.01	41.13 3.87 -0.01	45.98 4.34 -2.88	48.12 4.97 -1.40	49.74 5.20 -0.11	56.35 5.13 -4.96	59.95 5.17 -3.11	69.38 5.98 -6.98	63.15 5.30 -1.43	60.18 3.88 0.00	56.34 2.32 0.00	53.35 2.00 0.00	48.38 2.99 0.00	44.32 3.62 -0.01
HOLTSVILLE_IC_5 23694	45.75 4.01 -0.01	40.73 3.09 0.00	35.65 2.17 0.00	34.90 1.72 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.80 2.06 0.00	36.73 2.53 0.00	39.40 3.02 0.00	38.41 3.65 0.00	39.60 3.76 -0.01	41.13 3.87 -0.01	45.98 4.34 -2.88	48.12 4.97 -1.40	49.74 5.20 -0.11	56.35 5.13 -4.96	59.95 5.17 -3.11	69.38 5.98 -6.98	63.15 5.30 -1.43	60.18 3.88 0.00	56.34 2.32 0.00	53.35 2.00 0.00	48.38 2.99 0.00	44.32 3.62 -0.01
HOLTSVILLE_IC_6 23695	46.01 4.26 -0.01	40.91 3.27 0.00	35.79 2.31 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.79 1.56 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.58 3.20 0.00	38.62 3.86 0.00	39.82 3.98 -0.01	41.35 4.10 -0.01	46.29 4.65 -2.88	48.50 5.35 -1.40	50.20 5.64 -0.12	57.14 5.59 -5.29	60.71 5.68 -3.35	70.54 6.60 -7.53	63.83 5.87 -1.55	60.70 4.39 0.00	56.83 2.81 -0.01	53.76 2.41 -0.01	48.70 3.31 0.00	44.57 3.87 -0.01
HOLTSVILLE_IC_7 23696	46.01 4.26 -0.01	40.91 3.27 0.00	35.79 2.31 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.79 1.56 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.58 3.20 0.00	38.62 3.86 0.00	39.82 3.98 -0.01	41.35 4.10 -0.01	46.29 4.65 -2.88	48.50 5.35 -1.40	50.20 5.64 -0.12	57.14 5.59 -5.29	60.71 5.68 -3.35	70.54 6.60 -7.53	63.83 5.87 -1.55	60.70 4.39 0.00	56.83 2.81 -0.01	53.76 2.41 -0.01	48.70 3.31 0.00	44.57 3.87 -0.01
HOLTSVILLE_IC_8 23697	46.01 4.26 -0.01	40.91 3.27 0.00	35.79 2.31 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.79 1.56 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.58 3.20 0.00	38.62 3.86 0.00	39.82 3.98 -0.01	41.35 4.10 -0.01	46.29 4.65 -2.88	48.50 5.35 -1.40	50.20 5.64 -0.12	57.14 5.59 -5.29	60.71 5.68 -3.35	70.54 6.60 -7.53	63.83 5.87 -1.55	60.70 4.39 0.00	56.83 2.81 -0.01	53.76 2.41 -0.01	48.70 3.31 0.00	44.57 3.87 -0.01
HOLTSVILLE_IC_9 23698	46.01 4.26 -0.01	40.91 3.27 0.00	35.79 2.31 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.79 1.56 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.58 3.20 0.00	38.62 3.86 0.00	39.82 3.98 -0.01	41.35 4.10 -0.01	46.29 4.65 -2.88	48.50 5.35 -1.40	50.20 5.64 -0.12	57.14 5.59 -5.29	60.71 5.68 -3.35	70.54 6.60 -7.53	63.83 5.87 -1.55	60.70 4.39 0.00	56.83 2.81 -0.01	53.76 2.41 -0.01	48.70 3.31 0.00	44.57 3.87 -0.01
HOMER_HL_115KV_TB2 355744	40.19 -1.54 0.00	35.83 -1.81 0.00	32.07 -1.41 0.00	31.88 -1.29 0.00	30.89 -1.42 0.00	30.39 -0.84 0.00	32.96 -0.78 0.00	33.83 -0.38 0.00	36.09 -0.29 0.00	34.73 -0.03 0.00	35.80 -0.04 0.00	37.21 -0.04 0.00	38.26 -0.50 0.00	41.17 -0.58 0.00	43.41 -1.02 0.00	45.42 -0.83 0.00	50.59 -1.09 0.00	55.96 -0.45 0.00	56.70 0.28 0.00	56.81 0.51 0.00	54.34 0.32 0.00	51.14 -0.21 0.00	44.75 -0.64 0.00	40.33 -0.37 0.00
HOWARD_WT_PWR 323690	41.32 -0.42 0.00	36.96 -0.68 0.00	33.11 -0.37 0.00	32.94 -0.23 0.00	32.02 -0.29 0.00	31.39 0.16 0.00	34.21 0.47 0.00	34.99 0.79 0.00	37.11 0.73 0.00	35.49 0.73 0.00	36.59 0.75 0.00	38.10 0.86 0.00	39.27 0.50 0.00	42.17 0.42 0.00	43.10 -1.33 0.00	45.01 -1.25 0.00	50.23 -1.45 0.00	55.80 -0.62 0.00	56.81 0.40 0.00	57.65 1.35 0.00	54.93 0.92 0.00	52.01 0.67 0.00	45.52 0.14 0.00	40.73 0.04 0.00
HQ_GEN_CEDARS 23644	41.82 0.08 0.00	37.79 0.15 0.00	33.55 0.07 0.00	33.27 0.10 0.00	32.34 0.03 0.00	31.23 0.00 0.00	33.67 -0.07 0.00	34.07 -0.14 0.00	34.49 -0.18 1.71	32.60 -0.24 1.92	35.59 -0.21 0.03	36.99 -0.26 0.00	38.53 -0.23 0.00	41.42 -0.33 0.00	44.12 -0.31 0.00	45.70 -0.56 0.00	51.26 -0.41 0.00	55.85 -0.56 0.00	55.85 -0.56 0.00	56.19 -0.11 0.00	54.18 0.16 0.00	51.65 0.31 0.00	45.79 0.41 0.00	41.22 0.53 0.00
HQ_GEN_CEDARS_PROXY 323590	41.82 0.08 0.00	37.79 0.15 0.00	33.55 0.07 0.00	33.27 0.10 0.00	31.73 0.03 0.62	31.85 0.00 -0.62	33.67 -0.07 0.00	34.07 -0.14 0.00	34.49 -0.18 1.71	32.60 -0.24 1.92	35.59 -0.21 0.03	36.99 -0.26 0.00	38.53 -0.23 0.00	41.42 -0.34 0.00	44.12 -0.31 0.00	45.70 -0.55 0.00	51.26 -0.42 0.00	55.74 -0.67 0.00	55.80 -0.62 0.00	55.91 -0.39 0.00	54.18 0.16 0.00	51.66 0.31 0.00	45.79 0.41 0.00	41.22 0.53 0.00



HQ_GEN_IMPORT 323601	41.53 -0.21 0.00	37.49 -0.15 0.00	33.31 -0.17 0.00	33.01 -0.17 0.00	31.50 -0.19 0.62	31.66 -0.19 -0.62	33.54 -0.20 0.00	33.93 -0.27 0.00	36.09 -0.29 0.00	34.45 -0.31 0.00	35.51 -0.32 0.00	36.91 -0.34 0.00	38.45 -0.31 0.00	41.38 -0.38 0.00	44.07 -0.36 0.00	45.84 -0.42 0.00	51.32 -0.36 0.00	55.74 -0.67 0.00	55.74 -0.67 0.00	55.74 -0.56 0.00	53.91 -0.11 0.00	51.29 -0.05 0.00	45.39 0.00 0.00	40.73 0.04 0.00
HQ_GEN_WHEEL 23651	41.53 -0.21 0.00	37.49 -0.15 0.00	33.31 -0.17 0.00	33.01 -0.17 0.00	31.50 -0.19 0.62	31.66 -0.19 -0.62	33.54 -0.20 0.00	33.93 -0.27 0.00	36.09 -0.29 0.00	34.45 -0.31 0.00	35.51 -0.32 0.00	36.91 -0.34 0.00	38.45 -0.31 0.00	41.38 -0.38 0.00	44.07 -0.36 0.00	45.84 -0.42 0.00	51.32 -0.36 0.00	55.74 -0.67 0.00	55.74 -0.67 0.00	55.74 -0.56 0.00	53.91 -0.11 0.00	51.29 -0.05 0.00	45.39 0.00 0.00	40.73 0.04 0.00
HUDSON AVE_GT_3 23810	44.91 3.17 0.00	40.24 2.60 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.22 1.91 0.00	33.04 1.81 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.51 3.13 0.00	37.93 3.16 0.00	39.20 3.37 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.18 4.43 0.00	49.18 4.75 0.00	51.07 4.81 0.00	56.64 4.96 0.00	61.66 5.25 0.00	61.32 4.91 0.00	60.02 3.72 0.00	57.26 3.24 0.00	54.58 3.23 0.00	48.65 3.27 0.00	43.70 3.01 0.00
HUDSON AVE_GT_4 23540	44.91 3.17 0.00	40.24 2.60 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.22 1.91 0.00	33.04 1.81 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.51 3.13 0.00	37.93 3.16 0.00	39.20 3.37 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.18 4.43 0.00	49.18 4.75 0.00	51.07 4.81 0.00	56.64 4.96 0.00	61.66 5.25 0.00	61.32 4.91 0.00	60.02 3.72 0.00	57.26 3.24 0.00	54.58 3.23 0.00	48.65 3.27 0.00	43.70 3.01 0.00
HUDSON AVE_GT_5 23657	44.91 3.17 0.00	40.24 2.60 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.22 1.91 0.00	33.04 1.81 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.51 3.13 0.00	37.93 3.16 0.00	39.20 3.37 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.18 4.43 0.00	49.18 4.75 0.00	51.07 4.81 0.00	56.64 4.96 0.00	61.66 5.25 0.00	61.32 4.91 0.00	60.02 3.72 0.00	57.26 3.24 0.00	54.58 3.23 0.00	48.65 3.27 0.00	43.70 3.01 0.00
HUDSON_AVE_10 24168	44.83 3.09 0.00	40.16 2.52 0.00	35.45 1.98 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.90 2.16 0.00	36.87 2.67 0.00	39.44 3.06 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.75 3.50 0.00	42.64 3.88 0.00	46.05 4.30 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.10 3.08 0.00	54.43 3.08 0.00	48.56 3.18 0.00	43.66 2.97 0.00
HUDSON___115KV_TB 4 355613	43.87 2.13 0.00	39.41 1.77 0.00	35.02 1.54 0.00	34.67 1.49 0.00	33.83 1.52 0.00	32.64 1.41 0.00	34.95 1.21 0.00	35.47 1.27 0.00	37.62 1.24 0.00	35.77 1.01 0.00	36.80 0.97 0.00	38.25 1.01 0.00	39.85 1.09 0.00	42.92 1.17 0.00	43.34 1.24 2.33	47.54 1.30 0.02	49.13 1.50 4.04	53.06 1.92 5.27	58.54 2.14 0.02	55.63 1.69 2.36	50.83 1.30 4.48	52.72 1.39 0.02	44.18 1.23 2.43	40.38 0.98 1.29
HUNTER MOUNT___DRP 323613	43.95 2.21 0.00	39.48 1.84 0.00	35.12 1.64 0.00	34.77 1.59 0.00	33.93 1.62 0.00	32.70 1.47 0.00	34.99 1.25 0.00	35.43 1.23 0.00	37.58 1.20 0.00	35.63 0.87 0.00	36.62 0.79 0.00	38.07 0.82 0.00	39.70 0.93 0.00	42.75 1.00 0.00	42.14 1.11 3.40	47.39 1.16 0.02	47.24 1.45 5.88	50.72 1.97 7.66	58.59 2.20 0.02	54.67 1.80 3.43	48.90 1.40 6.52	52.81 1.49 0.02	43.12 1.27 3.53	39.80 0.98 1.87
HUNTINGTON_RES_REC 323705	45.63 3.88 -0.01	40.65 3.01 0.00	35.59 2.11 0.00	34.86 1.69 0.00	33.96 1.65 0.00	32.64 1.41 0.00	35.76 2.02 0.00	36.70 2.50 0.00	39.40 3.02 0.00	38.31 3.55 0.00	39.57 3.73 -0.01	41.20 3.95 -0.01	46.06 4.42 -2.88	47.95 4.80 -1.40	49.84 5.20 -0.22	59.77 5.04 -8.47	63.53 5.12 -6.73	77.39 5.98 -15.00	63.32 5.36 -1.54	60.13 3.83 0.00	56.34 2.32 0.00	53.29 1.95 0.00	48.20 2.81 0.00	44.28 3.58 -0.01
HUNTLEY___63 23557	40.45 -1.29 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.11 -1.12 0.00	32.49 -1.25 0.00	32.97 -1.23 0.00	35.29 -1.09 0.00	34.10 -0.66 0.00	35.19 -0.64 0.00	36.61 -0.63 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.74 -1.69 0.00	44.68 -1.57 0.00	49.40 -2.27 0.00	54.78 -1.64 0.00	55.46 -0.96 0.00	55.51 -0.79 0.00	53.10 -0.92 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	40.00 -0.69 0.00
HUNTLEY___64 23558	40.45 -1.29 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.11 -1.12 0.00	32.49 -1.25 0.00	32.97 -1.23 0.00	35.29 -1.09 0.00	34.10 -0.66 0.00	35.19 -0.64 0.00	36.61 -0.63 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.74 -1.69 0.00	44.68 -1.57 0.00	49.40 -2.27 0.00	54.78 -1.64 0.00	55.46 -0.96 0.00	55.51 -0.79 0.00	53.10 -0.92 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	40.00 -0.69 0.00
HUNTLEY___65 23559	40.45 -1.29 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.11 -1.12 0.00	32.49 -1.25 0.00	32.97 -1.23 0.00	35.29 -1.09 0.00	34.10 -0.66 0.00	35.19 -0.64 0.00	36.61 -0.63 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.74 -1.69 0.00	44.68 -1.57 0.00	49.40 -2.27 0.00	54.78 -1.64 0.00	55.46 -0.96 0.00	55.51 -0.79 0.00	53.10 -0.92 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	40.00 -0.69 0.00
HUNTLEY___66 23560	40.45 -1.29 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.11 -1.12 0.00	32.49 -1.25 0.00	32.97 -1.23 0.00	35.29 -1.09 0.00	34.10 -0.66 0.00	35.19 -0.64 0.00	36.61 -0.63 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.74 -1.69 0.00	44.68 -1.57 0.00	49.40 -2.27 0.00	54.78 -1.64 0.00	55.46 -0.96 0.00	55.51 -0.79 0.00	53.10 -0.92 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	40.00 -0.69 0.00
HUNTLEY___67 23561	40.24 -1.50 0.00	35.79 -1.84 0.00	32.04 -1.44 0.00	31.85 -1.33 0.00	30.79 -1.52 0.00	30.17 -1.06 0.00	32.42 -1.32 0.00	32.90 -1.30 0.00	35.22 -1.16 0.00	34.03 -0.73 0.00	35.08 -0.75 0.00	36.50 -0.74 0.00	37.49 -1.28 0.00	40.33 -1.42 0.00	42.65 -1.78 0.00	44.54 -1.71 0.00	49.25 -2.43 0.00	54.55 -1.86 0.00	55.29 -1.13 0.00	55.29 -1.01 0.00	52.88 -1.13 0.00	49.75 -1.59 0.00	43.71 -1.68 0.00	39.80 -0.90 0.00
HUNTLEY___68 23562	40.24 -1.50 0.00	35.79 -1.84 0.00	32.04 -1.44 0.00	31.85 -1.33 0.00	30.79 -1.52 0.00	30.17 -1.06 0.00	32.42 -1.32 0.00	32.90 -1.30 0.00	35.22 -1.16 0.00	34.03 -0.73 0.00	35.08 -0.75 0.00	36.50 -0.74 0.00	37.49 -1.28 0.00	40.33 -1.42 0.00	42.65 -1.78 0.00	44.54 -1.71 0.00	49.25 -2.43 0.00	54.55 -1.86 0.00	55.29 -1.13 0.00	55.29 -1.01 0.00	52.88 -1.13 0.00	49.75 -1.59 0.00	43.71 -1.68 0.00	39.80 -0.90 0.00



HYLAND___LFGE 323620	43.11 1.38 0.00	38.47 0.83 0.00	34.41 0.94 0.00	34.17 0.99 0.00	33.08 0.77 0.00	32.42 1.19 0.00	35.36 1.62 0.00	35.64 1.44 0.00	37.47 1.09 0.00	35.63 0.87 0.00	36.59 0.75 0.00	37.92 0.67 0.00	39.04 0.27 0.00	41.96 0.21 0.00	43.67 -0.76 0.00	45.61 -0.65 0.00	51.21 -0.47 0.00	57.09 0.68 0.00	58.56 2.14 0.00	60.13 3.83 0.00	57.53 3.51 0.00	54.43 3.08 0.00	47.52 2.13 0.00	42.40 1.71 0.00
INDECK___CORINTH 23802	43.70 1.96 0.00	39.29 1.65 0.00	34.78 1.30 0.00	34.37 1.19 0.00	33.51 1.20 0.00	32.45 1.22 0.00	35.05 1.31 0.00	35.54 1.33 0.00	37.69 1.31 0.00	35.84 1.08 0.00	36.51 0.68 0.00	37.99 0.74 0.00	39.50 0.73 0.00	42.46 0.71 0.00	45.23 0.80 0.00	47.13 0.88 0.00	53.12 1.44 0.00	58.50 2.09 0.00	58.96 2.54 0.00	58.84 2.54 0.00	55.85 1.84 0.00	53.30 1.95 0.00	47.11 1.72 0.00	42.12 1.42 0.00
INDECK___ILION 23567	41.41 -0.33 0.00	37.34 -0.30 0.00	33.21 -0.27 0.00	32.91 -0.27 0.00	32.08 -0.23 0.00	31.01 -0.22 0.00	33.54 -0.20 0.00	34.00 -0.21 0.00	36.16 -0.22 0.00	34.52 -0.24 0.00	35.55 -0.29 0.00	36.99 -0.26 0.00	38.49 -0.27 0.00	41.50 -0.25 0.00	44.16 -0.27 0.00	46.03 -0.23 0.00	51.47 -0.21 0.00	56.25 -0.17 0.00	56.30 -0.11 0.00	56.13 -0.17 0.00	53.85 -0.16 0.00	51.19 -0.15 0.00	45.29 -0.09 0.00	40.61 -0.08 0.00
INDECK___OLEAN 23982	40.24 -1.50 0.00	35.87 -1.77 0.00	32.07 -1.40 0.00	31.88 -1.29 0.00	30.89 -1.42 0.00	30.39 -0.84 0.00	32.96 -0.77 0.00	33.83 -0.38 0.00	36.09 -0.29 0.00	34.73 -0.03 0.00	35.83 0.00 0.00	37.21 -0.04 0.00	38.26 -0.51 0.00	41.17 -0.58 0.00	43.45 -0.98 0.00	45.47 -0.79 0.00	50.69 -0.98 0.00	56.13 -0.28 0.00	56.76 0.34 0.00	57.26 0.96 0.00	54.34 0.33 0.00	51.29 -0.05 0.00	44.93 -0.45 0.00	40.33 -0.37 0.00
INDECK___OSWEGO 23783	40.78 -0.96 0.00	36.89 -0.75 0.00	32.84 -0.64 0.00	32.58 -0.60 0.00	31.70 -0.61 0.00	30.67 -0.56 0.00	33.23 -0.51 0.00	33.55 -0.65 0.00	35.69 -0.69 0.00	34.14 -0.62 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	37.95 -0.82 0.00	40.87 -0.88 0.00	43.49 -0.94 0.00	45.38 -0.88 0.00	50.69 -0.98 0.00	55.51 -0.90 0.00	55.62 -0.79 0.00	55.68 -0.62 0.00	53.15 -0.87 0.00	50.47 -0.87 0.00	44.48 -0.91 0.00	39.80 -0.90 0.00
INDECK___YERKES 23781	40.57 -1.17 0.00	36.02 -1.62 0.00	32.31 -1.17 0.00	32.08 -1.09 0.00	31.02 -1.29 0.00	30.14 -1.09 0.00	32.53 -1.21 0.00	33.00 -1.20 0.00	35.32 -1.06 0.00	34.14 -0.62 0.00	35.30 -0.54 0.00	36.65 -0.60 0.00	37.64 -1.13 0.00	40.50 -1.25 0.00	42.79 -1.64 0.00	44.68 -1.57 0.00	49.66 -2.02 0.00	54.89 -1.52 0.00	55.51 -0.90 0.00	56.08 -0.22 0.00	53.15 -0.87 0.00	50.27 -1.08 0.00	44.16 -1.22 0.00	40.04 -0.65 0.00
INDIAN POINT_GT_1 24139	44.45 2.71 0.00	39.82 2.18 0.00	35.25 1.77 0.00	34.83 1.66 0.00	33.99 1.68 0.00	32.79 1.56 0.00	35.63 1.89 0.00	36.53 2.33 0.00	39.07 2.69 0.00	37.44 2.68 0.00	38.66 2.83 0.00	40.26 3.02 0.00	42.14 3.37 0.00	45.47 3.72 0.00	48.43 4.00 0.00	50.28 4.02 0.00	55.92 4.24 0.00	60.93 4.51 0.00	60.65 4.23 0.00	59.46 3.15 0.00	56.72 2.70 0.00	54.02 2.67 0.00	48.06 2.68 0.00	43.17 2.48 0.00
INDIAN POINT_GT_2 23659	44.45 2.71 0.00	39.82 2.18 0.00	35.25 1.77 0.00	34.83 1.66 0.00	33.99 1.68 0.00	32.79 1.56 0.00	35.63 1.89 0.00	36.53 2.33 0.00	39.07 2.69 0.00	37.44 2.68 0.00	38.66 2.83 0.00	40.26 3.02 0.00	42.14 3.37 0.00	45.47 3.72 0.00	48.43 4.00 0.00	50.28 4.02 0.00	55.92 4.24 0.00	60.93 4.51 0.00	60.65 4.23 0.00	59.46 3.15 0.00	56.72 2.70 0.00	54.02 2.67 0.00	48.06 2.68 0.00	43.17 2.48 0.00
INDIAN POINT_GT_3 24019	44.45 2.71 0.00	39.82 2.18 0.00	35.25 1.77 0.00	34.83 1.66 0.00	33.99 1.68 0.00	32.79 1.56 0.00	35.63 1.89 0.00	36.53 2.33 0.00	39.07 2.69 0.00	37.44 2.68 0.00	38.66 2.83 0.00	40.26 3.02 0.00	42.14 3.37 0.00	45.47 3.72 0.00	48.43 4.00 0.00	50.28 4.02 0.00	55.92 4.24 0.00	60.93 4.51 0.00	60.65 4.23 0.00	59.46 3.15 0.00	56.72 2.70 0.00	54.02 2.67 0.00	48.06 2.68 0.00	43.17 2.48 0.00
INDIAN POINT___2 23530	44.41 2.67 0.00	39.78 2.14 0.00	35.22 1.74 0.00	34.80 1.63 0.00	33.96 1.65 0.00	32.79 1.56 0.00	35.59 1.85 0.00	36.49 2.29 0.00	39.04 2.65 0.00	37.40 2.64 0.00	38.63 2.80 0.00	40.26 3.02 0.00	42.10 3.33 0.00	45.47 3.71 0.00	48.38 3.95 0.00	50.24 3.98 0.00	55.66 3.98 0.00	61.04 4.63 0.00	60.65 4.23 0.00	59.74 3.43 0.00	56.66 2.65 0.00	53.86 2.52 0.00	47.93 2.54 0.00	43.13 2.44 0.00
INDIAN POINT___3 23531	44.41 2.67 0.00	39.78 2.15 0.00	35.22 1.74 0.00	34.83 1.66 0.00	33.96 1.65 0.00	32.79 1.56 0.00	35.59 1.86 0.00	36.49 2.29 0.00	39.00 2.62 0.00	37.40 2.64 0.00	38.63 2.79 0.00	40.23 2.98 0.00	42.06 3.30 0.00	45.43 3.67 0.00	48.34 3.91 0.00	50.14 3.89 0.00	55.81 4.13 0.00	60.81 4.40 0.00	60.53 4.12 0.00	59.34 3.04 0.00	56.61 2.59 0.00	53.91 2.57 0.00	47.97 2.59 0.00	43.09 2.40 0.00
INGHAM_C_115KV_TB7 356103	40.61 -1.13 0.00	36.59 -1.05 0.00	32.54 -0.94 0.00	32.24 -0.93 0.00	31.47 -0.84 0.00	30.45 -0.78 0.00	32.93 -0.81 0.00	33.38 -0.82 0.00	35.51 -0.87 0.00	33.86 -0.90 0.00	34.86 -0.97 0.00	36.28 -0.97 0.00	37.76 -1.01 0.00	40.75 -1.00 0.00	43.36 -1.07 0.00	45.24 -1.02 0.00	50.59 -1.09 0.00	55.23 -1.18 0.00	55.40 -1.02 0.00	55.29 -1.01 0.00	53.10 -0.92 0.00	50.52 -0.82 0.00	44.80 -0.59 0.00	40.12 -0.57 0.00
IP CORINTH___1 23988	43.95 2.21 0.00	39.48 1.84 0.00	34.95 1.47 0.00	34.53 1.36 0.00	33.67 1.36 0.00	32.60 1.37 0.00	35.22 1.48 0.00	35.71 1.50 0.00	37.87 1.49 0.00	36.05 1.29 0.00	36.73 0.90 0.00	38.18 0.93 0.00	39.70 0.93 0.00	42.67 0.92 0.00	45.45 1.02 0.00	47.37 1.11 0.00	53.49 1.81 0.00	58.73 2.31 0.00	59.29 2.88 0.00	59.01 2.70 0.00	56.12 2.11 0.00	53.66 2.31 0.00	47.38 2.00 0.00	42.32 1.63 0.00
IP___TICONDEROGA 23804	46.37 4.63 0.00	41.48 3.84 0.00	36.53 3.05 0.00	36.03 2.85 0.00	35.06 2.75 0.00	34.17 2.94 0.00	36.98 3.24 0.00	37.28 3.08 0.00	39.47 3.09 0.00	37.40 2.64 0.00	38.02 2.19 0.00	39.67 2.42 0.00	41.13 2.36 0.00	44.17 2.42 0.00	47.14 2.71 0.00	49.31 3.05 0.00	55.71 4.03 0.00	61.55 5.13 0.00	61.72 5.30 0.00	61.65 5.35 0.00	58.50 4.48 0.00	56.07 4.72 0.00	49.47 4.08 0.00	43.95 3.26 0.00
ISLIP_RES_REC 323679	46.26 4.51 -0.01	41.10 3.46 0.00	35.96 2.48 0.00	35.16 1.99 0.00	34.28 1.97 0.00	32.92 1.69 0.00	36.10 2.36 0.00	37.08 2.87 0.00	39.76 3.38 0.00	38.83 4.07 0.00	40.03 4.19 -0.01	41.61 4.36 -0.01	46.57 4.92 -2.88	48.83 5.68 -1.40	50.59 6.04 -0.12	57.46 6.01 -5.20	61.05 6.20 -3.17	70.72 7.17 -7.14	64.47 6.43 -1.63	61.20 4.90 0.00	57.26 3.24 -0.01	54.12 2.77 -0.01	49.02 3.63 0.00	44.81 4.11 -0.01



JAMAICA__27_KV_LOAD 355505	45.08 3.34 0.00	40.46 2.82 0.00	35.69 2.21 0.00	35.23 2.06 0.00	34.31 2.00 0.00	33.17 1.94 0.00	36.13 2.40 0.00	37.14 2.94 0.00	39.76 3.38 0.00	38.10 3.34 0.00	39.16 3.33 0.00	40.86 3.61 0.00	42.80 4.03 0.00	46.22 4.47 0.00	49.23 4.80 0.00	51.16 4.90 0.00	56.85 5.17 0.00	61.89 5.47 0.00	61.55 5.13 0.00	60.30 4.00 0.00	57.47 3.46 0.00	54.73 3.39 0.00	48.97 3.59 0.00	43.99 3.30 0.00
JANIS__SOLAR 323808	42.95 1.21 0.00	38.54 0.90 0.00	34.35 0.87 0.00	34.07 0.90 0.00	33.08 0.77 0.00	32.20 0.97 0.00	35.05 1.31 0.00	35.54 1.33 0.00	37.62 1.24 0.00	35.73 0.97 0.00	36.59 0.75 0.00	37.95 0.71 0.00	39.31 0.54 0.00	42.34 0.58 0.00	45.05 0.62 0.00	47.32 1.06 0.00	53.23 1.55 0.00	58.84 2.42 0.00	59.57 3.16 0.00	60.08 3.77 0.00	57.37 3.35 0.00	54.43 3.08 0.00	47.61 2.22 0.00	42.40 1.71 0.00
JARVIS____ 23743	41.95 0.21 0.00	37.79 0.15 0.00	33.65 0.17 0.00	33.34 0.17 0.00	32.47 0.16 0.00	31.39 0.16 0.00	33.91 0.17 0.00	34.37 0.17 0.00	36.60 0.22 0.00	34.94 0.17 0.00	36.01 0.18 0.00	37.43 0.19 0.00	38.96 0.19 0.00	41.96 0.21 0.00	44.65 0.22 0.00	46.54 0.28 0.00	51.89 0.21 0.00	56.76 0.34 0.00	56.76 0.34 0.00	56.59 0.28 0.00	54.13 0.11 0.00	51.45 0.10 0.00	45.52 0.14 0.00	40.82 0.12 0.00
JENNISON____1 23625	43.12 1.38 0.00	38.69 1.05 0.00	34.45 0.97 0.00	34.20 1.03 0.00	33.21 0.90 0.00	32.29 1.06 0.00	35.12 1.38 0.00	35.74 1.54 0.00	38.02 1.64 0.00	36.15 1.39 0.00	37.05 1.22 0.00	38.51 1.27 0.00	39.93 1.16 0.00	43.09 1.34 0.00	45.81 1.38 0.00	48.06 1.80 0.00	53.95 2.27 0.00	59.46 3.05 0.00	60.08 3.67 0.00	60.02 3.72 0.00	57.58 3.57 0.00	54.63 3.29 0.00	47.84 2.45 0.00	42.69 1.99 0.00
JENNISON____2 23626	43.12 1.38 0.00	38.69 1.05 0.00	34.45 0.97 0.00	34.20 1.03 0.00	33.21 0.90 0.00	32.29 1.06 0.00	35.12 1.38 0.00	35.74 1.54 0.00	38.02 1.64 0.00	36.15 1.39 0.00	37.05 1.22 0.00	38.51 1.27 0.00	39.93 1.16 0.00	43.09 1.34 0.00	45.81 1.38 0.00	48.06 1.80 0.00	53.95 2.27 0.00	59.46 3.05 0.00	60.08 3.67 0.00	60.02 3.72 0.00	57.58 3.57 0.00	54.63 3.29 0.00	47.84 2.45 0.00	42.69 1.99 0.00
JERICOHO_RISE_WT_PWR 323719	40.74 -1.00 0.00	36.78 -0.86 0.00	32.64 -0.84 0.00	32.38 -0.80 0.00	31.50 -0.81 0.00	30.32 -0.91 0.00	32.56 -1.18 0.00	32.73 -1.47 0.00	1.87 -1.64 32.87	-3.74 -1.60 36.90	33.78 -1.58 0.48	35.65 -1.60 0.00	37.17 -1.59 0.00	39.96 -1.79 0.00	42.61 -1.82 0.00	44.32 -1.94 0.00	50.13 -1.55 0.00	54.67 -1.75 0.00	54.95 -1.47 0.00	55.29 -1.01 0.00	53.75 -0.27 0.00	51.19 -0.15 0.00	45.39 0.00 0.00	40.77 0.08 0.00
KATONAH__115KV_46KV_TB4 355592	44.66 2.92 0.00	40.01 2.37 0.00	35.39 1.91 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.95 1.72 0.00	35.76 2.02 0.00	36.70 2.50 0.00	39.22 2.84 0.00	37.54 2.78 0.00	38.81 2.97 0.00	40.34 3.09 0.00	42.25 3.49 0.00	45.63 3.88 0.00	48.60 4.18 0.00	50.56 4.30 0.00	56.17 4.50 0.00	61.21 4.80 0.00	61.04 4.63 0.00	59.85 3.55 0.00	57.04 3.02 0.00	54.38 3.03 0.00	48.29 2.90 0.00	43.34 2.65 0.00
KCE_NY_1 323755	44.16 2.42 0.00	39.67 2.03 0.00	35.15 1.67 0.00	34.77 1.59 0.00	33.89 1.58 0.00	32.79 1.56 0.00	35.39 1.65 0.00	35.91 1.71 0.00	38.13 1.75 0.00	36.29 1.53 0.00	37.23 1.40 0.00	38.66 1.42 0.00	40.28 1.51 0.00	43.38 1.63 0.00	46.21 1.78 0.00	48.20 1.94 0.00	53.90 2.22 0.00	59.29 2.88 0.00	59.57 3.16 0.00	59.29 2.98 0.00	56.39 2.37 0.00	53.76 2.41 0.00	47.56 2.18 0.00	42.53 1.83 0.00
KCE_NY_6_ESR 323823	40.61 -1.13 0.00	36.06 -1.58 0.00	32.24 -1.24 0.00	32.05 -1.13 0.00	30.98 -1.33 0.00	30.42 -0.81 0.00	32.69 -1.05 0.00	33.25 -0.96 0.00	35.55 -0.84 0.00	34.35 -0.42 0.00	35.44 -0.39 0.00	36.84 -0.41 0.00	37.83 -0.93 0.00	40.71 -1.04 0.00	43.01 -1.42 0.00	44.91 -1.34 0.00	49.97 -1.70 0.00	55.23 -1.19 0.00	55.91 -0.51 0.00	56.47 0.17 0.00	53.58 -0.43 0.00	50.68 -0.67 0.00	44.52 -0.86 0.00	40.25 -0.45 0.00
KEDC_PORT_JEFF_GT2 24210	45.92 4.17 -0.01	40.84 3.20 0.00	35.76 2.28 0.00	34.96 1.79 0.00	34.05 1.74 0.00	32.73 1.50 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.47 3.09 0.00	38.52 3.76 0.00	39.71 3.87 -0.01	41.28 4.02 -0.01	46.18 4.53 -2.88	48.37 5.22 -1.40	50.07 5.51 -0.13	57.17 5.41 -5.50	60.67 5.37 -3.61	70.62 6.09 -8.11	63.50 5.59 -1.50	60.41 4.11 0.00	56.61 2.59 0.00	53.61 2.26 0.00	48.56 3.18 0.00	44.49 3.79 -0.01
KEDC_PORT_JEFF_GT3 24211	45.92 4.17 -0.01	40.84 3.20 0.00	35.76 2.28 0.00	34.96 1.79 0.00	34.05 1.74 0.00	32.73 1.50 0.00	35.87 2.13 0.00	36.84 2.63 0.00	39.47 3.09 0.00	38.52 3.76 0.00	39.71 3.87 -0.01	41.28 4.02 -0.01	46.18 4.53 -2.88	48.37 5.22 -1.40	50.07 5.51 -0.13	57.17 5.41 -5.50	60.67 5.37 -3.61	70.62 6.09 -8.11	63.50 5.59 -1.50	60.41 4.11 0.00	56.61 2.59 0.00	53.61 2.26 0.00	48.56 3.18 0.00	44.49 3.79 -0.01
KEDC_GLWD_GT4 24219	45.29 3.55 -0.01	40.50 2.86 0.00	35.69 2.21 0.00	35.13 1.96 0.00	34.25 1.94 0.00	32.98 1.75 0.00	35.97 2.23 0.00	36.90 2.70 0.00	39.54 3.16 0.00	38.13 3.37 0.00	39.46 3.62 -0.01	41.13 3.87 -0.01	45.87 4.23 -2.88	47.83 4.68 -1.40	49.69 5.02 -0.24	51.40 5.13 -0.01	60.17 4.91 -3.58	70.52 5.64 -8.47	68.16 5.25 -6.50	60.36 4.06 0.00	56.93 2.91 0.00	54.37 3.03 0.00	48.61 3.22 0.00	44.00 3.29 -0.01
KEDC_GLWD_GT5 24220	45.29 3.55 -0.01	40.50 2.86 0.00	35.69 2.21 0.00	35.13 1.96 0.00	34.25 1.94 0.00	32.98 1.75 0.00	35.97 2.23 0.00	36.90 2.70 0.00	39.54 3.16 0.00	38.13 3.37 0.00	39.46 3.62 -0.01	41.13 3.87 -0.01	45.87 4.23 -2.88	47.83 4.68 -1.40	49.69 5.02 -0.24	51.40 5.13 -0.01	60.17 4.91 -3.58	70.52 5.64 -8.47	68.16 5.25 -6.50	60.36 4.06 0.00	56.93 2.91 0.00	54.37 3.03 0.00	48.61 3.22 0.00	44.00 3.29 -0.01
KENSICO____ 23655	44.62 2.88 0.00	39.94 2.30 0.00	35.35 1.87 0.00	34.93 1.76 0.00	34.05 1.74 0.00	32.89 1.66 0.00	35.70 1.96 0.00	36.63 2.43 0.00	39.18 2.80 0.00	37.54 2.78 0.00	38.81 2.97 0.00	40.41 3.17 0.00	42.29 3.53 0.00	45.63 3.88 0.00	48.60 4.18 0.00	50.47 4.21 0.00	56.12 4.44 0.00	61.15 4.74 0.00	60.81 4.40 0.00	59.62 3.32 0.00	56.88 2.86 0.00	54.17 2.82 0.00	48.20 2.81 0.00	43.30 2.60 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	44.62 2.88 0.00	39.94 2.30 0.00	35.42 1.94 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.92 1.69 0.00	35.66 1.92 0.00	36.49 2.29 0.00	39.04 2.66 0.00	37.27 2.50 0.00	38.45 2.62 0.00	40.04 2.79 0.00	41.91 3.14 0.00	45.26 3.51 0.00	47.93 3.91 0.41	50.32 4.07 0.00	55.57 4.60 0.71	60.57 5.08 0.92	61.43 5.02 0.00	59.77 3.88 0.41	56.63 3.40 0.79	54.68 3.34 0.00	48.00 3.04 0.43	43.19 2.73 0.23



KLAC_JFK_GT1 23816	44.66 2.92 0.00	40.20 2.56 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.93 2.19 0.00	36.94 2.74 0.00	39.55 3.17 0.00	37.75 2.99 0.00	38.84 3.01 0.00	40.49 3.24 0.00	42.41 3.64 0.00	45.80 4.05 0.00	48.78 4.35 0.00	50.70 4.44 0.00	56.33 4.65 0.00	61.27 4.85 0.00	60.93 4.51 0.00	59.68 3.38 0.00	56.88 2.86 0.00	54.17 2.82 0.00	48.52 3.13 0.00	43.54 2.85 0.00
KIAC_JFK_GT2 23817	44.66 2.92 0.00	40.20 2.56 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.93 2.19 0.00	36.94 2.74 0.00	39.55 3.17 0.00	37.75 2.99 0.00	38.84 3.01 0.00	40.49 3.24 0.00	42.41 3.64 0.00	45.80 4.05 0.00	48.78 4.35 0.00	50.70 4.44 0.00	56.33 4.65 0.00	61.27 4.85 0.00	60.93 4.51 0.00	59.68 3.38 0.00	56.88 2.86 0.00	54.17 2.82 0.00	48.52 3.13 0.00	43.54 2.85 0.00
KIAC_JFK____ 323774	44.66 2.92 0.00	40.20 2.56 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.93 2.19 0.00	36.94 2.74 0.00	39.54 3.16 0.00	37.75 2.99 0.00	38.80 2.97 0.00	40.49 3.24 0.00	42.41 3.64 0.00	45.80 4.05 0.00	48.79 4.36 0.00	50.70 4.44 0.00	56.07 4.39 0.00	61.43 5.02 0.00	60.98 4.57 0.00	60.02 3.72 0.00	56.88 2.86 0.00	54.07 2.72 0.00	48.43 3.04 0.00	43.50 2.81 0.00
KINTIGH__24_KV_GSU 356498	40.44 -1.29 0.00	36.02 -1.62 0.00	32.21 -1.27 0.00	31.98 -1.19 0.00	30.95 -1.36 0.00	30.26 -0.97 0.00	32.59 -1.15 0.00	33.04 -1.16 0.00	35.36 -1.02 0.00	34.10 -0.66 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.87 -1.56 0.00	44.73 -1.53 0.00	49.82 -1.86 0.00	54.89 -1.52 0.00	55.34 -1.07 0.00	55.80 -0.51 0.00	52.99 -1.03 0.00	50.11 -1.23 0.00	44.02 -1.36 0.00	39.80 -0.90 0.00
KINTIGH____ 23543	40.36 -1.38 0.00	36.02 -1.62 0.00	32.21 -1.27 0.00	31.98 -1.19 0.00	30.95 -1.36 0.00	30.26 -0.97 0.00	32.59 -1.15 0.00	33.04 -1.16 0.00	35.36 -1.02 0.00	34.10 -0.66 0.00	35.15 -0.68 0.00	36.58 -0.67 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.87 -1.56 0.00	44.73 -1.53 0.00	49.56 -2.12 0.00	54.83 -1.58 0.00	55.34 -1.07 0.00	55.35 -0.96 0.00	52.99 -1.03 0.00	49.86 -1.49 0.00	43.80 -1.59 0.00	39.76 -0.94 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	41.28 -0.46 0.00	37.26 -0.38 0.00	33.08 -0.40 0.00	32.81 -0.36 0.00	31.89 -0.42 0.00	30.70 -0.53 0.00	32.96 -0.78 0.00	32.97 -1.23 0.00	0.00 -1.35 35.04	-5.85 -1.29 39.33	33.96 -1.36 0.51	35.87 -1.38 0.00	37.41 -1.36 0.00	40.21 -1.54 0.00	42.87 -1.56 0.00	44.59 -1.67 0.00	50.85 -0.83 0.00	55.62 -0.79 0.00	55.91 -0.51 0.00	56.53 0.23 0.00	54.67 0.65 0.00	52.01 0.67 0.00	46.11 0.73 0.00	41.43 0.73 0.00
LACHUTE__HYDRO 323717	46.37 4.63 0.00	41.48 3.84 0.00	36.52 3.05 0.00	36.03 2.85 0.00	35.05 2.74 0.00	34.16 2.93 0.00	36.98 3.24 0.00	37.28 3.08 0.00	39.47 3.09 0.00	37.40 2.64 0.00	37.98 2.15 0.00	39.67 2.42 0.00	41.13 2.36 0.00	44.17 2.42 0.00	47.14 2.71 0.00	49.31 3.05 0.00	55.66 3.98 0.00	61.60 5.19 0.00	61.72 5.30 0.00	61.82 5.52 0.00	58.50 4.48 0.00	56.02 4.67 0.00	49.42 4.04 0.00	43.99 3.29 0.00
LAWRNCV_115KV_TB1 80681	41.91 0.17 0.00	37.87 0.23 0.00	33.61 0.13 0.00	33.34 0.17 0.00	32.41 0.10 0.00	31.29 0.06 0.00	33.74 0.00 0.00	34.13 -0.07 0.00	31.36 -0.15 4.88	29.04 -0.24 5.48	35.51 -0.25 0.07	36.95 -0.30 0.00	38.49 -0.27 0.00	41.33 -0.42 0.00	44.03 -0.40 0.00	45.52 -0.74 0.00	51.01 -0.67 0.00	55.57 -0.85 0.00	55.68 -0.73 0.00	56.13 -0.17 0.00	54.18 0.16 0.00	51.86 0.51 0.00	46.07 0.68 0.00	41.38 0.69 0.00
LEDERLE____ 23769	44.58 2.84 0.00	39.94 2.30 0.00	35.35 1.87 0.00	34.93 1.76 0.00	34.05 1.74 0.00	32.89 1.66 0.00	35.73 1.99 0.00	36.63 2.43 0.00	39.18 2.80 0.00	37.51 2.75 0.00	38.77 2.94 0.00	40.38 3.13 0.00	42.22 3.45 0.00	45.59 3.84 0.00	48.56 4.13 0.00	50.37 4.12 0.00	56.07 4.39 0.00	61.15 4.74 0.00	60.87 4.46 0.00	59.68 3.38 0.00	56.88 2.86 0.00	54.17 2.82 0.00	48.15 2.77 0.00	43.26 2.56 0.00
LIGHTHSE_115KV_TB6 355974	41.57 -0.17 0.00	37.53 -0.11 0.00	33.41 -0.07 0.00	33.11 -0.07 0.00	32.21 -0.10 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.13 -0.07 0.00	35.69 -0.11 0.58	33.98 -0.14 0.65	35.64 -0.18 0.01	37.06 -0.19 0.00	38.42 -0.35 0.00	41.33 -0.42 0.00	43.98 -0.44 0.00	45.93 -0.32 0.00	51.42 -0.26 0.00	56.36 -0.06 0.00	56.58 0.17 0.00	56.64 0.34 0.00	54.34 0.32 0.00	51.71 0.36 0.00	45.48 0.09 0.00	40.65 -0.04 0.00
LINDEN COGEN____ 23786	44.58 2.84 0.00	39.94 2.30 0.00	35.25 1.77 0.00	34.82 1.66 0.01	33.95 1.65 0.01	32.78 1.56 0.01	35.65 1.92 0.01	36.63 2.43 0.00	39.22 2.84 0.00	37.68 2.92 0.00	38.91 3.08 0.00	40.60 3.35 0.00	42.52 3.76 0.00	45.93 4.17 0.00	48.91 4.49 0.00	50.74 4.49 0.00	55.84 4.24 0.08	57.64 4.85 3.63	56.39 4.40 4.43	55.07 3.49 4.72	55.13 2.70 1.59	54.01 2.67 0.00	48.29 2.91 0.00	43.38 2.69 0.00
LINDHRST_69_KV_BK1 356055	46.21 4.47 0.00	41.14 3.50 0.00	36.06 2.58 0.00	35.33 2.16 0.00	34.41 2.10 0.00	33.07 1.84 0.00	36.24 2.50 0.00	37.18 2.98 0.00	39.91 3.53 0.00	38.73 3.96 0.00	40.02 4.19 0.00	41.64 4.40 0.00	46.49 4.85 -2.88	48.54 5.39 -1.40	50.24 5.69 -0.13	53.18 5.69 -1.24	59.90 6.20 -2.02	67.92 6.77 -4.74	66.08 6.37 -3.29	60.53 4.22 0.00	57.32 3.30 -0.01	54.38 3.03 -0.01	49.24 3.86 0.00	44.84 4.15 0.00
LIPA_MISC_IPP 23656	45.66 3.92 0.00	40.58 2.94 0.00	35.49 2.01 0.00	34.73 1.56 0.00	33.83 1.52 0.00	32.48 1.25 0.00	35.63 1.89 0.00	36.56 2.36 0.00	39.18 2.80 0.00	38.38 3.62 0.00	39.45 3.62 0.00	40.90 3.65 0.00	46.10 4.46 -2.88	48.20 5.05 -1.40	50.01 5.46 -0.12	56.59 5.32 -5.01	60.51 5.68 -3.15	69.76 6.26 -7.08	63.28 5.42 -1.45	59.51 3.21 0.00	56.24 2.21 0.00	53.40 2.05 0.00	48.52 3.13 0.00	44.31 3.62 0.00
LISF__SOLAR 323691	45.71 3.97 -0.01	40.65 3.01 0.00	35.56 2.08 0.00	34.77 1.59 0.00	33.86 1.55 0.00	32.54 1.31 0.00	35.66 1.92 0.00	36.60 2.39 0.00	39.22 2.84 0.00	38.41 3.65 0.00	39.50 3.66 -0.01	40.94 3.69 -0.01	45.95 4.30 -2.88	48.24 5.09 -1.40	50.05 5.51 -0.12	56.84 5.50 -5.08	60.41 5.53 -3.19	70.08 6.48 -7.18	63.47 5.59 -1.47	60.41 4.11 0.00	56.51 2.49 0.00	53.46 2.11 0.00	48.43 3.04 0.00	44.36 3.66 -0.01
LITTLE FALLS__HYD 24013	40.61 -1.13 0.00	36.59 -1.05 0.00	32.54 -0.94 0.00	32.24 -0.93 0.00	31.47 -0.84 0.00	30.45 -0.78 0.00	32.93 -0.81 0.00	33.38 -0.82 0.00	35.51 -0.87 0.00	33.86 -0.90 0.00	34.86 -0.97 0.00	36.28 -0.97 0.00	37.76 -1.01 0.00	40.75 -1.00 0.00	43.36 -1.07 0.00	45.24 -1.02 0.00	50.59 -1.09 0.00	55.23 -1.18 0.00	55.40 -1.02 0.00	55.29 -1.01 0.00	53.10 -0.92 0.00	50.52 -0.82 0.00	44.80 -0.59 0.00	40.12 -0.57 0.00



LITTLRIV_115KV_TB1 356100	42.32 0.58 0.00	38.24 0.60 0.00	33.95 0.47 0.00	33.67 0.50 0.00	32.70 0.39 0.00	31.60 0.37 0.00	34.08 0.34 0.00	34.41 0.21 0.00	31.13 0.15 5.40	28.67 -0.03 6.06	35.65 -0.11 0.08	37.14 -0.11 0.00	38.65 -0.12 0.00	41.54 -0.21 0.00	44.21 -0.22 0.00	45.75 -0.51 0.00	51.32 -0.36 0.00	56.02 -0.39 0.00	56.25 -0.17 0.00	56.87 0.56 0.00	54.94 0.92 0.00	52.58 1.23 0.00	46.61 1.23 0.00	41.83 1.14 0.00
LI_NEWBRDGE___DRP 323616	45.29 3.55 0.00	40.42 2.79 0.00	35.49 2.01 0.00	34.83 1.66 0.00	33.96 1.65 0.00	32.64 1.41 0.00	35.70 1.96 0.00	36.63 2.43 0.00	39.29 2.91 0.00	38.07 3.30 0.00	39.27 3.44 0.00	40.90 3.65 0.00	45.64 3.99 -2.88	47.49 4.34 -1.40	49.11 4.67 -0.02	50.88 4.63 0.00	56.79 4.91 -0.20	62.12 5.25 -0.46	61.73 4.96 -0.35	59.34 3.04 0.00	56.23 2.21 0.00	53.45 2.11 0.00	48.34 2.95 0.00	43.95 3.26 0.00
LOCKPORT_115KV_TB60_63_64 80432	40.32 -1.42 0.00	35.68 -1.96 0.00	31.94 -1.54 0.00	31.71 -1.46 0.00	30.66 -1.65 0.00	30.23 -1.00 0.00	32.36 -1.38 0.00	32.73 -1.47 0.00	35.07 -1.31 0.00	33.89 -0.87 0.00	34.90 -0.93 0.00	36.35 -0.89 0.00	37.33 -1.43 0.00	40.12 -1.63 0.00	42.43 -2.00 0.00	44.31 -1.94 0.00	49.04 -2.64 0.00	54.33 -2.09 0.00	55.06 -1.35 0.00	55.12 -1.18 0.00	52.77 -1.24 0.00	49.60 -1.75 0.00	43.57 -1.82 0.00	39.80 -0.90 0.00
LOCKPORT___CC1 323769	40.40 -1.34 0.00	35.87 -1.77 0.00	31.94 -1.54 0.00	31.71 -1.46 0.00	30.66 -1.65 0.00	30.20 -1.03 0.00	32.35 -1.38 0.00	32.77 -1.44 0.00	35.07 -1.31 0.00	33.89 -0.87 0.00	34.97 -0.86 0.00	36.35 -0.89 0.00	37.33 -1.43 0.00	40.12 -1.63 0.00	42.43 -2.00 0.00	44.32 -1.94 0.00	49.25 -2.43 0.00	54.44 -1.98 0.00	55.06 -1.35 0.00	55.63 -0.67 0.00	52.78 -1.24 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	39.80 -0.90 0.00
LOCKPORT___CC2 323770	40.40 -1.34 0.00	35.87 -1.77 0.00	31.94 -1.54 0.00	31.71 -1.46 0.00	30.66 -1.65 0.00	30.20 -1.03 0.00	32.35 -1.38 0.00	32.77 -1.44 0.00	35.07 -1.31 0.00	33.89 -0.87 0.00	34.97 -0.86 0.00	36.35 -0.89 0.00	37.33 -1.43 0.00	40.12 -1.63 0.00	42.43 -2.00 0.00	44.32 -1.94 0.00	49.25 -2.43 0.00	54.44 -1.98 0.00	55.06 -1.35 0.00	55.63 -0.67 0.00	52.78 -1.24 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	39.80 -0.90 0.00
LOCKPORT___CC3 323771	40.40 -1.34 0.00	35.87 -1.77 0.00	31.94 -1.54 0.00	31.71 -1.46 0.00	30.66 -1.65 0.00	30.20 -1.03 0.00	32.35 -1.38 0.00	32.77 -1.44 0.00	35.07 -1.31 0.00	33.89 -0.87 0.00	34.97 -0.86 0.00	36.35 -0.89 0.00	37.33 -1.43 0.00	40.12 -1.63 0.00	42.43 -2.00 0.00	44.32 -1.94 0.00	49.25 -2.43 0.00	54.44 -1.98 0.00	55.06 -1.35 0.00	55.63 -0.67 0.00	52.78 -1.24 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	39.80 -0.90 0.00
LOCUSVLY_69_KV_BK2 55797	45.58 3.84 0.00	40.69 3.05 0.00	35.79 2.31 0.00	35.16 1.99 0.00	34.28 1.97 0.00	32.98 1.75 0.00	36.03 2.29 0.00	36.97 2.77 0.00	39.66 3.27 0.00	38.34 3.58 0.00	39.67 3.83 0.00	41.34 4.10 0.00	46.14 4.50 -2.88	48.08 4.93 -1.40	49.91 5.29 -0.20	51.58 5.32 0.00	60.25 5.63 -2.94	69.41 6.04 -6.96	67.45 5.70 -5.34	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.79 3.40 0.00	44.31 3.62 0.00
LONG_LAKE_PHOENIX 24014	40.74 -1.00 0.00	36.85 -0.79 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.63 -0.68 0.00	30.64 -0.59 0.00	33.20 -0.54 0.00	33.59 -0.62 0.00	35.69 -0.69 0.00	34.14 -0.63 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	37.99 -0.78 0.00	40.88 -0.88 0.00	43.54 -0.89 0.00	45.42 -0.83 0.00	50.70 -0.98 0.00	55.57 -0.85 0.00	55.68 -0.73 0.00	55.57 -0.73 0.00	53.21 -0.81 0.00	50.47 -0.87 0.00	44.48 -0.91 0.00	39.80 -0.90 0.00
LOVETT___3 23632	44.37 2.63 0.00	39.78 2.15 0.00	35.19 1.71 0.00	34.80 1.63 0.00	33.93 1.62 0.00	32.76 1.53 0.00	35.59 1.86 0.00	36.49 2.29 0.00	39.00 2.62 0.00	37.37 2.61 0.00	38.63 2.79 0.00	40.19 2.94 0.00	42.06 3.30 0.00	45.38 3.63 0.00	48.29 3.87 0.00	50.10 3.84 0.00	55.71 4.03 0.00	60.76 4.34 0.00	60.48 4.06 0.00	59.29 2.98 0.00	56.56 2.54 0.00	53.86 2.52 0.00	47.93 2.54 0.00	43.05 2.36 0.00
LOVETT___4 23642	44.37 2.63 0.00	39.78 2.15 0.00	35.19 1.71 0.00	34.80 1.63 0.00	33.93 1.62 0.00	32.76 1.53 0.00	35.59 1.86 0.00	36.49 2.29 0.00	39.00 2.62 0.00	37.37 2.61 0.00	38.63 2.79 0.00	40.19 2.94 0.00	42.06 3.30 0.00	45.38 3.63 0.00	48.29 3.87 0.00	50.10 3.84 0.00	55.71 4.03 0.00	60.76 4.34 0.00	60.48 4.06 0.00	59.29 2.98 0.00	56.56 2.54 0.00	53.86 2.52 0.00	47.93 2.54 0.00	43.05 2.36 0.00
LOVETT___5 23593	44.37 2.63 0.00	39.78 2.15 0.00	35.19 1.71 0.00	34.80 1.63 0.00	33.93 1.62 0.00	32.76 1.53 0.00	35.59 1.86 0.00	36.49 2.29 0.00	39.00 2.62 0.00	37.37 2.61 0.00	38.63 2.79 0.00	40.19 2.94 0.00	42.06 3.30 0.00	45.38 3.63 0.00	48.29 3.87 0.00	50.10 3.84 0.00	55.71 4.03 0.00	60.76 4.34 0.00	60.48 4.06 0.00	59.29 2.98 0.00	56.56 2.54 0.00	53.86 2.52 0.00	47.93 2.54 0.00	43.05 2.36 0.00
LOWER RAQUET___HYD 24057	41.91 0.17 0.00	37.87 0.23 0.00	33.65 0.17 0.00	33.37 0.20 0.00	32.41 0.10 0.00	31.32 0.09 0.00	33.77 0.03 0.00	34.13 -0.07 0.00	30.35 -0.14 5.89	27.91 -0.24 6.61	35.46 -0.29 0.09	36.91 -0.34 0.00	38.45 -0.31 0.00	41.33 -0.42 0.00	43.98 -0.44 0.00	45.47 -0.79 0.00	50.90 -0.77 0.00	55.40 -1.01 0.00	55.62 -0.79 0.00	55.80 -0.51 0.00	54.18 0.16 0.00	51.91 0.57 0.00	46.11 0.72 0.00	41.46 0.77 0.00
LOWER___HUDSON 24059	43.74 2.00 0.00	39.29 1.65 0.00	34.92 1.44 0.00	34.50 1.33 0.00	33.70 1.39 0.00	32.57 1.34 0.00	35.09 1.35 0.00	35.67 1.47 0.00	37.91 1.53 0.00	36.12 1.35 0.00	37.16 1.33 0.00	38.59 1.34 0.00	40.24 1.47 0.00	43.38 1.63 0.00	46.21 1.78 0.00	48.06 1.80 0.00	53.64 1.96 0.00	58.96 2.54 0.00	58.96 2.54 0.00	58.50 2.19 0.00	55.69 1.68 0.00	52.99 1.64 0.00	46.93 1.54 0.00	42.03 1.34 0.00
LOWVILLE_115KV_TB2 356335	42.45 0.71 0.00	38.20 0.56 0.00	33.98 0.50 0.00	33.70 0.53 0.00	32.73 0.42 0.00	31.76 0.53 0.00	34.38 0.64 0.00	34.78 0.58 0.00	35.26 0.55 1.67	33.17 0.28 1.87	35.91 0.11 0.02	37.36 0.11 0.00	38.69 -0.08 0.00	41.71 -0.04 0.00	44.30 -0.13 0.00	46.26 0.00 0.00	51.94 0.26 0.00	57.04 0.62 0.00	57.49 1.07 0.00	57.71 1.41 0.00	55.53 1.51 0.00	52.94 1.59 0.00	46.52 1.13 0.00	41.55 0.85 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	44.12 2.38 0.00	39.63 1.99 0.00	35.15 1.67 0.00	34.77 1.59 0.00	33.89 1.58 0.00	32.79 1.56 0.00	35.36 1.62 0.00	35.88 1.68 0.00	38.09 1.71 0.00	36.26 1.49 0.00	37.23 1.40 0.00	38.66 1.42 0.00	40.24 1.47 0.00	43.34 1.59 0.00	46.21 1.78 0.00	48.15 1.90 0.00	53.95 2.27 0.00	59.18 2.76 0.00	59.46 3.05 0.00	59.06 2.76 0.00	56.34 2.32 0.00	53.76 2.41 0.00	47.56 2.18 0.00	42.52 1.83 0.00



LUTHERNY_35_KV_BK2 355980	44.16 2.42 0.00	39.67 2.03 0.00	35.15 1.67 0.00	34.77 1.59 0.00	33.89 1.58 0.00	32.79 1.56 0.00	35.39 1.65 0.00	35.91 1.71 0.00	38.13 1.75 0.00	36.29 1.53 0.00	37.23 1.40 0.00	38.66 1.42 0.00	40.28 1.51 0.00	43.38 1.63 0.00	46.21 1.78 0.00	48.15 1.90 0.00	54.00 2.33 0.00	59.24 2.82 0.00	59.52 3.10 0.00	59.12 2.82 0.00	56.39 2.38 0.00	53.81 2.46 0.00	47.56 2.18 0.00	42.52 1.83 0.00
LWR___OSWEGATCHIE_HYD 23850	42.16 0.42 0.00	38.02 0.38 0.00	33.78 0.30 0.00	33.51 0.33 0.00	32.54 0.23 0.00	31.51 0.28 0.00	34.08 0.34 0.00	34.44 0.24 0.00	32.58 0.18 3.99	30.25 -0.03 4.47	35.63 -0.14 0.06	37.10 -0.15 0.00	38.49 -0.27 0.00	41.42 -0.33 0.00	44.07 -0.36 0.00	45.75 -0.51 0.00	51.37 -0.31 0.00	56.25 -0.17 0.00	56.53 0.11 0.00	56.92 0.62 0.00	54.83 0.81 0.00	52.48 1.13 0.00	46.34 0.95 0.00	41.51 0.81 0.00
LYONS_FALL_HYD 23570	42.53 0.79 0.00	38.24 0.60 0.00	34.01 0.53 0.00	33.74 0.56 0.00	32.80 0.49 0.00	31.79 0.56 0.00	34.45 0.71 0.00	34.85 0.65 0.00	35.97 0.69 1.10	33.98 0.45 1.24	36.14 0.32 0.02	37.58 0.33 0.00	38.96 0.19 0.00	42.00 0.25 0.00	44.61 0.18 0.00	46.58 0.33 0.00	52.30 0.62 0.00	57.37 0.96 0.00	57.71 1.30 0.00	57.88 1.57 0.00	55.53 1.51 0.00	52.88 1.54 0.00	46.52 1.14 0.00	41.55 0.86 0.00
MADISON___COUNTY_LFGE 323628	42.74 1.00 0.00	38.47 0.83 0.00	34.25 0.77 0.00	33.94 0.76 0.00	32.99 0.68 0.00	32.01 0.78 0.00	34.68 0.94 0.00	35.16 0.96 0.00	37.40 1.02 0.00	35.63 0.87 0.00	36.58 0.75 0.00	38.03 0.78 0.00	39.46 0.70 0.00	42.55 0.79 0.00	45.23 0.80 0.00	47.27 1.02 0.00	52.97 1.29 0.00	58.11 1.69 0.00	58.39 1.97 0.00	58.33 2.03 0.00	55.96 1.94 0.00	53.14 1.80 0.00	46.70 1.32 0.00	41.71 1.02 0.00
MALONE___115KV_TB1 356076	41.41 -0.33 0.00	37.41 -0.23 0.00	33.21 -0.27 0.00	32.97 -0.20 0.00	32.02 -0.29 0.00	30.86 -0.37 0.00	33.17 -0.57 0.00	33.45 -0.75 0.00	9.45 -0.84 26.10	4.60 -0.87 29.29	34.59 -0.86 0.38	36.35 -0.89 0.00	37.91 -0.85 0.00	40.71 -1.04 0.00	43.45 -0.98 0.00	45.10 -1.16 0.00	50.95 -0.72 0.00	55.74 -0.68 0.00	55.91 -0.51 0.00	56.53 0.23 0.00	54.61 0.59 0.00	52.06 0.72 0.00	46.16 0.77 0.00	41.43 0.73 0.00
MAPLEWOD_115KV_TB3 80458	43.58 1.84 0.00	39.18 1.54 0.00	34.82 1.34 0.00	34.40 1.23 0.00	33.60 1.29 0.00	32.45 1.22 0.00	34.89 1.15 0.00	35.47 1.27 0.00	37.69 1.31 0.00	35.94 1.18 0.00	37.05 1.22 0.00	38.48 1.23 0.00	40.08 1.32 0.00	43.21 1.46 0.00	45.94 1.51 0.00	47.78 1.53 0.00	53.33 1.65 0.00	58.39 1.97 0.00	58.45 2.03 0.00	57.82 1.52 0.00	55.15 1.13 0.00	52.53 1.18 0.00	46.52 1.13 0.00	41.63 0.94 0.00
MAPLE_RIDGE_WT_1 323574	40.86 -0.88 0.00	36.89 -0.75 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.70 -0.61 0.00	30.64 -0.59 0.00	33.10 -0.64 0.00	33.59 -0.61 0.00	35.76 -0.62 0.00	34.14 -0.62 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	38.07 -0.70 0.00	41.00 -0.75 0.00	43.67 -0.76 0.00	45.47 -0.79 0.00	50.85 -0.83 0.00	55.51 -0.90 0.00	55.62 -0.79 0.00	55.57 -0.73 0.00	53.42 -0.59 0.00	50.78 -0.56 0.00	44.89 -0.50 0.00	40.29 -0.41 0.00
MAPLE_RIDGE_WT_2 323611	40.86 -0.88 0.00	36.89 -0.75 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.70 -0.61 0.00	30.64 -0.59 0.00	33.10 -0.64 0.00	33.59 -0.61 0.00	35.76 -0.62 0.00	34.14 -0.62 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	38.07 -0.70 0.00	41.00 -0.75 0.00	43.67 -0.76 0.00	45.47 -0.79 0.00	50.85 -0.83 0.00	55.51 -0.90 0.00	55.62 -0.79 0.00	55.57 -0.73 0.00	53.42 -0.59 0.00	50.78 -0.56 0.00	44.89 -0.50 0.00	40.29 -0.41 0.00
MARBLE_RIVER_WT_PWR 323696	40.82 -0.92 0.00	36.81 -0.83 0.00	32.67 -0.80 0.00	32.44 -0.73 0.00	31.53 -0.78 0.00	30.36 -0.87 0.00	32.59 -1.15 0.00	32.73 -1.47 0.00	-1.04 -1.64 35.78	-7.00 -1.60 40.16	33.70 -1.61 0.52	35.65 -1.60 0.00	37.14 -1.63 0.00	39.96 -1.79 0.00	42.61 -1.82 0.00	44.32 -1.94 0.00	50.18 -1.50 0.00	54.78 -1.64 0.00	55.06 -1.35 0.00	55.40 -0.90 0.00	53.86 -0.16 0.00	51.29 -0.05 0.00	45.43 0.05 0.00	40.86 0.16 0.00
MARSHVLE_115KV_TB1 80742	45.50 3.76 0.00	40.76 3.12 0.00	36.16 2.68 0.00	35.79 2.62 0.00	34.86 2.55 0.00	33.79 2.56 0.00	36.47 2.73 0.00	36.80 2.60 0.00	38.71 2.33 0.00	36.74 1.98 0.00	37.66 1.83 0.00	38.92 1.68 0.00	40.39 1.63 0.00	43.55 1.80 0.00	46.38 1.95 0.00	48.52 2.27 0.00	54.37 2.69 0.00	59.63 3.22 0.00	60.59 4.17 0.00	61.20 4.90 0.00	58.66 4.65 0.00	55.92 4.57 0.00	49.52 4.13 0.00	44.07 3.38 0.00
MARSH_HILL_WT_PWR 323713	41.45 -0.29 0.00	37.04 -0.60 0.00	33.18 -0.30 0.00	33.01 -0.17 0.00	32.09 -0.22 0.00	31.45 0.22 0.00	34.28 0.54 0.00	35.06 0.86 0.00	37.18 0.80 0.00	35.56 0.80 0.00	36.66 0.82 0.00	38.14 0.89 0.00	39.35 0.58 0.00	42.25 0.50 0.00	43.10 -1.33 0.00	45.01 -1.25 0.00	50.23 -1.45 0.00	55.80 -0.62 0.00	56.76 0.34 0.00	57.65 1.35 0.00	54.88 0.86 0.00	52.01 0.67 0.00	45.52 0.14 0.00	40.73 0.04 0.00
MCINTYRE_115KV_TB2 80467	42.49 0.75 0.00	38.35 0.72 0.00	34.05 0.57 0.00	33.77 0.60 0.00	32.79 0.48 0.00	31.73 0.50 0.00	34.18 0.44 0.00	34.48 0.27 0.00	31.91 0.15 4.61	29.58 0.00 5.18	35.66 -0.11 0.07	37.14 -0.11 0.00	38.65 -0.12 0.00	41.54 -0.21 0.00	44.25 -0.18 0.00	45.79 -0.46 0.00	51.52 -0.16 0.00	56.19 -0.23 0.00	56.53 0.11 0.00	57.15 0.84 0.00	55.26 1.24 0.00	52.83 1.49 0.00	46.75 1.36 0.00	41.95 1.26 0.00
MECO_____69_KV_BK1 80468	45.79 4.05 0.00	40.99 3.35 0.00	36.32 2.85 0.00	35.93 2.75 0.00	34.99 2.68 0.00	33.95 2.72 0.00	36.71 2.97 0.00	37.08 2.87 0.00	39.04 2.66 0.00	37.02 2.26 0.00	37.95 2.11 0.00	39.33 2.09 0.00	40.86 2.09 0.00	44.01 2.25 0.00	46.96 2.53 0.00	49.08 2.82 0.00	54.99 3.31 0.00	60.53 4.12 0.00	61.38 4.96 0.00	61.65 5.35 0.00	58.88 4.86 0.00	56.22 4.88 0.00	49.70 4.31 0.00	44.19 3.50 0.00
MENANDS___115KV_TB5 355628	43.37 1.63 0.00	39.03 1.39 0.00	34.68 1.21 0.00	34.30 1.13 0.00	33.47 1.16 0.00	32.32 1.09 0.00	34.72 0.98 0.00	35.30 1.09 0.00	37.55 1.16 0.00	35.81 1.04 0.00	36.91 1.07 0.00	38.33 1.08 0.00	39.97 1.20 0.00	43.05 1.29 0.00	45.72 1.29 0.00	47.55 1.30 0.00	53.07 1.40 0.00	58.05 1.64 0.00	58.05 1.64 0.00	57.37 1.07 0.00	54.77 0.76 0.00	52.17 0.82 0.00	46.20 0.82 0.00	41.38 0.69 0.00
MG INDUSTRY___DRP 24185	43.28 1.54 0.00	38.92 1.28 0.00	34.62 1.14 0.00	34.27 1.09 0.00	33.44 1.13 0.00	32.26 1.03 0.00	34.62 0.88 0.00	35.13 0.92 0.00	37.29 0.91 0.00	35.56 0.80 0.00	36.58 0.75 0.00	38.03 0.78 0.00	39.58 0.81 0.00	42.63 0.88 0.00	42.47 0.71 2.67	46.98 0.74 0.02	46.90 -0.16 4.62	50.39 0.00 6.02	56.45 0.06 0.02	53.32 -0.28 2.70	48.40 -0.49 5.13	51.02 -0.31 0.02	42.43 -0.18 2.78	39.02 -0.20 1.47



MID___OSWEGATCHIE_HYD 23849	42.16 0.42 0.00	38.02 0.38 0.00	33.78 0.30 0.00	33.51 0.33 0.00	32.54 0.23 0.00	31.51 0.28 0.00	34.08 0.34 0.00	34.44 0.24 0.00	32.58 0.18 3.99	30.25 -0.03 4.47	35.63 -0.14 0.06	37.10 -0.15 0.00	38.49 -0.27 0.00	41.42 -0.33 0.00	44.07 -0.36 0.00	45.75 -0.51 0.00	51.37 -0.31 0.00	56.25 -0.17 0.00	56.53 0.11 0.00	56.92 0.62 0.00	54.83 0.81 0.00	52.48 1.13 0.00	46.34 0.95 0.00	41.51 0.81 0.00
MID___RAQUETTE_HYD 23851	41.91 0.17 0.00	37.87 0.23 0.00	33.65 0.17 0.00	33.37 0.20 0.00	32.41 0.10 0.00	31.32 0.09 0.00	33.77 0.03 0.00	34.13 -0.07 0.00	30.35 -0.15 5.89	27.91 -0.24 6.61	35.46 -0.29 0.09	36.95 -0.30 0.00	38.46 -0.31 0.00	41.33 -0.42 0.00	43.98 -0.44 0.00	45.47 -0.79 0.00	50.90 -0.78 0.00	55.51 -0.90 0.00	55.62 -0.79 0.00	56.13 -0.17 0.00	54.18 0.16 0.00	51.91 0.56 0.00	46.11 0.73 0.00	41.47 0.77 0.00
MILLIKEN___1 23584	42.24 0.50 0.00	38.02 0.38 0.00	33.88 0.40 0.00	33.57 0.40 0.00	32.63 0.32 0.00	31.70 0.47 0.00	34.45 0.71 0.00	34.99 0.79 0.00	37.14 0.76 0.00	35.49 0.73 0.00	36.51 0.68 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.29 0.54 0.00	45.01 0.58 0.00	47.04 0.79 0.00	52.66 0.98 0.00	57.88 1.47 0.00	58.28 1.86 0.00	58.22 1.91 0.00	55.75 1.73 0.00	52.83 1.49 0.00	46.38 1.00 0.00	41.43 0.73 0.00
MILLIKEN___2 23585	42.24 0.50 0.00	38.02 0.38 0.00	33.88 0.40 0.00	33.57 0.40 0.00	32.63 0.32 0.00	31.70 0.47 0.00	34.45 0.71 0.00	34.99 0.79 0.00	37.14 0.76 0.00	35.49 0.73 0.00	36.51 0.68 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.29 0.54 0.00	45.01 0.58 0.00	47.04 0.79 0.00	52.66 0.98 0.00	57.88 1.47 0.00	58.28 1.86 0.00	58.22 1.91 0.00	55.75 1.73 0.00	52.83 1.49 0.00	46.38 1.00 0.00	41.43 0.73 0.00
MILLIKEN___DIESEL 23629	42.24 0.50 0.00	38.02 0.38 0.00	33.88 0.40 0.00	33.57 0.40 0.00	32.63 0.32 0.00	31.70 0.47 0.00	34.45 0.71 0.00	34.99 0.79 0.00	37.14 0.76 0.00	35.49 0.73 0.00	36.51 0.68 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.29 0.54 0.00	45.01 0.58 0.00	47.04 0.79 0.00	52.66 0.98 0.00	57.88 1.47 0.00	58.28 1.86 0.00	58.22 1.91 0.00	55.75 1.73 0.00	52.83 1.49 0.00	46.38 1.00 0.00	41.43 0.73 0.00
MILLSEAT___LFGE 323607	41.28 -0.46 0.00	36.66 -0.98 0.00	32.64 -0.84 0.00	32.41 -0.76 0.00	31.31 -1.00 0.00	30.82 -0.41 0.00	33.17 -0.57 0.00	33.59 -0.61 0.00	35.95 -0.43 0.00	34.69 -0.07 0.00	35.80 -0.04 0.00	37.17 -0.07 0.00	38.14 -0.62 0.00	41.00 -0.75 0.00	43.45 -0.98 0.00	45.38 -0.88 0.00	50.69 -0.98 0.00	55.96 -0.45 0.00	56.58 0.17 0.00	57.26 0.96 0.00	54.40 0.38 0.00	51.40 0.05 0.00	45.07 -0.32 0.00	40.77 0.08 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	44.49 2.75 0.00	39.86 2.22 0.00	35.29 1.81 0.00	34.87 1.69 0.00	34.02 1.71 0.00	32.82 1.59 0.00	35.66 1.92 0.00	36.56 2.36 0.00	39.07 2.69 0.00	37.47 2.71 0.00	38.70 2.87 0.00	40.30 3.05 0.00	42.14 3.37 0.00	45.51 3.76 0.00	48.47 4.04 0.00	50.28 4.02 0.00	55.92 4.24 0.00	60.98 4.57 0.00	60.70 4.29 0.00	59.51 3.21 0.00	56.72 2.70 0.00	54.07 2.72 0.00	48.11 2.72 0.00	43.22 2.52 0.00
MILLWOOD_13_KV_LOAD 356217	44.62 2.88 0.00	39.97 2.33 0.00	35.35 1.87 0.00	34.96 1.79 0.00	34.09 1.78 0.00	32.92 1.69 0.00	35.73 1.99 0.00	36.67 2.46 0.00	39.22 2.84 0.00	37.54 2.78 0.00	38.81 2.97 0.00	40.38 3.13 0.00	42.25 3.49 0.00	45.63 3.88 0.00	48.60 4.18 0.00	50.47 4.21 0.00	56.12 4.44 0.00	61.15 4.74 0.00	60.93 4.51 0.00	59.74 3.43 0.00	56.93 2.92 0.00	54.22 2.88 0.00	48.24 2.86 0.00	43.30 2.60 0.00
MODEL_CITY_ENERGY 24167	40.20 -1.54 0.00	35.68 -1.96 0.00	31.64 -1.84 0.00	31.41 -1.76 0.00	30.37 -1.94 0.00	30.04 -1.19 0.00	32.05 -1.69 0.00	32.42 -1.78 0.00	34.71 -1.67 0.00	33.54 -1.22 0.00	34.65 -1.18 0.00	35.98 -1.27 0.00	36.94 -1.82 0.00	39.75 -2.00 0.00	42.03 -2.40 0.00	43.85 -2.41 0.00	48.79 -2.89 0.00	53.88 -2.54 0.00	54.44 -1.98 0.00	55.01 -1.29 0.00	52.12 -1.89 0.00	49.34 -2.00 0.00	43.34 -2.04 0.00	39.43 -1.26 0.00
MODERN_LFGE___ 323580	40.20 -1.54 0.00	35.68 -1.96 0.00	31.64 -1.84 0.00	31.41 -1.76 0.00	30.37 -1.94 0.00	30.04 -1.19 0.00	32.05 -1.69 0.00	32.42 -1.78 0.00	34.71 -1.67 0.00	33.54 -1.22 0.00	34.65 -1.18 0.00	35.98 -1.27 0.00	36.94 -1.82 0.00	39.75 -2.00 0.00	42.03 -2.40 0.00	43.85 -2.41 0.00	48.79 -2.89 0.00	53.88 -2.54 0.00	54.44 -1.98 0.00	55.01 -1.29 0.00	52.12 -1.89 0.00	49.34 -2.00 0.00	43.34 -2.04 0.00	39.43 -1.26 0.00
MOHAWK_PAPER___DRP 24187	43.58 1.84 0.00	39.18 1.54 0.00	34.82 1.34 0.00	34.40 1.23 0.00	33.60 1.29 0.00	32.45 1.22 0.00	34.89 1.15 0.00	35.47 1.27 0.00	37.69 1.31 0.00	35.94 1.18 0.00	37.05 1.22 0.00	38.48 1.23 0.00	40.08 1.32 0.00	43.21 1.46 0.00	45.94 1.51 0.00	47.78 1.53 0.00	53.33 1.65 0.00	58.39 1.97 0.00	58.45 2.03 0.00	57.82 1.52 0.00	55.15 1.13 0.00	52.53 1.18 0.00	46.52 1.13 0.00	41.63 0.94 0.00
MOHICAN___35_KV_115KV_LD 80490	44.16 2.42 0.00	39.67 2.03 0.00	35.15 1.67 0.00	34.73 1.56 0.00	33.86 1.55 0.00	32.79 1.56 0.00	35.39 1.65 0.00	35.88 1.68 0.00	38.05 1.67 0.00	36.19 1.43 0.00	36.98 1.15 0.00	38.44 1.19 0.00	39.93 1.16 0.00	42.96 1.21 0.00	45.81 1.38 0.00	47.74 1.48 0.00	53.75 2.07 0.00	59.07 2.65 0.00	59.69 3.27 0.00	59.40 3.10 0.00	56.56 2.54 0.00	54.02 2.67 0.00	47.70 2.31 0.00	42.61 1.91 0.00
MONGAUP___HYD 23641	44.33 2.59 0.00	39.75 2.11 0.00	35.22 1.74 0.00	34.86 1.69 0.00	33.99 1.68 0.00	32.79 1.56 0.00	35.46 1.72 0.00	36.22 2.02 0.00	38.67 2.29 0.00	36.88 2.12 0.00	38.05 2.22 0.00	39.60 2.35 0.00	41.40 2.64 0.00	44.67 2.92 0.00	47.63 3.20 0.00	49.68 3.42 0.00	55.29 3.62 0.00	60.42 4.01 0.00	60.30 3.89 0.00	59.45 3.15 0.00	56.45 2.43 0.00	54.07 2.72 0.00	47.88 2.49 0.00	42.97 2.28 0.00
MONTAUK___DIESEL 23721	46.25 4.51 0.00	40.99 3.35 0.00	35.76 2.28 0.00	34.87 1.69 0.00	33.93 1.62 0.00	32.48 1.25 0.00	35.73 1.99 0.00	36.70 2.50 0.00	39.51 3.13 0.00	39.00 4.24 0.00	39.81 3.98 0.00	41.23 3.99 0.00	46.72 5.08 -2.88	49.16 6.01 -1.40	51.30 6.75 -0.12	58.19 6.89 -5.04	62.60 7.75 -3.17	72.34 8.80 -7.13	65.43 7.56 -1.46	61.31 5.01 0.00	57.86 3.84 0.00	55.05 3.70 0.00	49.88 4.49 0.00	45.82 5.13 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	40.24 -1.50 0.00	35.91 -1.73 0.00	32.24 -1.24 0.00	32.08 -1.09 0.00	31.08 -1.23 0.00	30.51 -0.72 0.00	32.83 -0.91 0.00	33.55 -0.65 0.00	35.98 -0.40 0.00	34.66 -0.10 0.00	35.62 -0.21 0.00	36.99 -0.26 0.00	37.87 -0.89 0.00	40.67 -1.09 0.00	42.78 -1.64 0.00	44.78 -1.48 0.00	49.56 -2.12 0.00	54.95 -1.47 0.00	56.02 -0.39 0.00	56.36 0.06 0.00	53.91 -0.11 0.00	51.14 -0.21 0.00	44.93 -0.45 0.00	40.69 0.00 0.00



MORRIS_RIDGE___SOLAR 323848	40.20 -1.54 0.00	35.91 -1.73 0.00	32.17 -1.31 0.00	31.98 -1.19 0.00	30.98 -1.33 0.00	30.32 -0.91 0.00	32.73 -1.01 0.00	33.14 -1.06 0.00	35.25 -1.13 0.00	33.89 -0.87 0.00	34.94 -0.89 0.00	36.24 -1.00 0.00	37.29 -1.47 0.00	40.08 -1.67 0.00	42.61 -1.82 0.00	44.55 -1.71 0.00	49.56 -2.12 0.00	55.01 -1.41 0.00	55.96 -0.45 0.00	56.81 0.51 0.00	54.18 0.16 0.00	51.29 -0.05 0.00	44.93 -0.45 0.00	40.37 -0.33 0.00
MORTIMER_115KV_TB3 55949	41.11 -0.63 0.00	36.81 -0.83 0.00	32.84 -0.64 0.00	32.58 -0.60 0.00	31.57 -0.74 0.00	30.79 -0.44 0.00	33.33 -0.40 0.00	33.79 -0.41 0.00	36.09 -0.29 0.00	34.73 -0.03 0.00	35.83 0.00 0.00	37.28 0.04 0.00	38.38 -0.39 0.00	41.29 -0.46 0.00	43.81 -0.62 0.00	45.75 -0.51 0.00	50.85 -0.83 0.00	56.13 -0.28 0.00	56.53 0.11 0.00	56.58 0.28 0.00	54.12 0.11 0.00	51.04 -0.31 0.00	44.84 -0.54 0.00	40.45 -0.24 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.82 3.06 0.00	39.09 3.26 0.00	40.71 3.46 0.00	42.60 3.84 0.00	46.01 4.26 0.00	49.00 4.58 0.00	50.88 4.63 0.00	56.48 4.81 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.10 3.08 0.00	54.43 3.08 0.00	48.52 3.13 0.00	43.58 2.89 0.00
MUNSVILLE_WIND_PWR 323609	43.83 2.09 0.00	39.22 1.58 0.00	34.95 1.47 0.00	34.70 1.53 0.00	33.67 1.36 0.00	32.82 1.59 0.00	35.76 2.02 0.00	36.32 2.12 0.00	38.56 2.18 0.00	36.53 1.77 0.00	37.30 1.47 0.00	38.78 1.53 0.00	40.08 1.32 0.00	43.25 1.50 0.00	45.98 1.55 0.00	48.48 2.22 0.00	54.73 3.05 0.00	60.53 4.12 0.00	61.43 5.02 0.00	61.93 5.63 0.00	59.20 5.19 0.00	56.23 4.88 0.00	48.97 3.58 0.00	43.58 2.89 0.00
N SALMON___HYD 24042	41.40 -0.34 0.00	37.41 -0.22 0.00	33.21 -0.27 0.00	32.98 -0.20 0.00	32.02 -0.29 0.00	30.86 -0.37 0.00	33.17 -0.57 0.00	33.45 -0.75 0.00	9.45 -0.84 26.10	4.60 -0.87 29.29	34.59 -0.86 0.38	36.35 -0.89 0.00	37.91 -0.85 0.00	40.71 -1.04 0.00	43.45 -0.98 0.00	45.10 -1.15 0.00	50.95 -0.72 0.00	55.62 -0.79 0.00	55.91 -0.51 0.00	56.19 -0.11 0.00	54.61 0.60 0.00	52.01 0.67 0.00	46.16 0.77 0.00	41.43 0.73 0.00
N.AKRON__115KV_KNAPP 355671	41.07 -0.67 0.00	36.40 -1.24 0.00	32.54 -0.94 0.00	32.34 -0.83 0.00	31.24 -1.07 0.00	30.76 -0.47 0.00	33.06 -0.67 0.00	33.52 -0.68 0.00	35.84 -0.55 0.00	34.59 -0.17 0.00	35.65 -0.18 0.00	37.10 -0.15 0.00	38.03 -0.74 0.00	40.92 -0.84 0.00	43.36 -1.07 0.00	45.29 -0.97 0.00	50.18 -1.50 0.00	55.68 -0.73 0.00	56.41 0.00 0.00	56.58 0.28 0.00	54.18 0.16 0.00	50.88 -0.46 0.00	44.66 -0.73 0.00	40.65 -0.04 0.00
N.E_GEN_SANDY PD 24062	43.95 2.21 0.00	39.45 1.81 0.00	35.02 1.54 0.00	34.60 1.43 0.00	33.18 1.49 0.62	33.28 1.44 -0.62	35.22 1.48 0.00	35.98 1.78 0.00	38.27 1.89 0.00	36.50 1.74 0.00	37.62 1.79 0.00	39.07 1.82 0.00	40.86 2.09 0.00	44.05 2.29 0.00	46.92 2.49 0.00	48.75 2.50 0.00	54.21 2.53 0.00	59.63 3.21 0.00	59.40 2.99 0.00	58.67 2.36 0.00	55.80 1.78 0.00	53.04 1.69 0.00	47.07 1.68 0.00	42.24 1.55 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	44.45 2.71 0.00	39.82 2.18 0.00	35.25 1.77 0.00	34.83 1.66 0.00	33.99 1.68 0.00	32.79 1.56 0.00	35.63 1.89 0.00	36.53 2.33 0.00	39.07 2.69 0.00	37.40 2.64 0.00	38.66 2.83 0.00	40.26 3.02 0.00	42.10 3.33 0.00	45.47 3.72 0.00	48.38 3.95 0.00	50.23 3.98 0.00	55.86 4.19 0.00	60.93 4.51 0.00	60.65 4.23 0.00	59.46 3.15 0.00	56.72 2.70 0.00	54.02 2.67 0.00	48.02 2.63 0.00	43.13 2.44 0.00
N.QUEENS_27_KV_LOAD 356247	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.37 2.19 -0.01	34.41 2.10 0.00	33.14 1.91 0.00	36.13 2.40 0.00	37.12 2.91 -0.01	39.69 3.31 0.00	38.07 3.30 -0.01	39.32 3.48 -0.01	40.98 3.72 -0.01	42.92 4.15 -0.01	46.35 4.59 -0.01	49.32 4.89 -0.01	51.26 5.00 -0.01	57.06 5.37 -0.01	61.84 5.42 -0.01	61.49 5.08 0.00	60.20 3.88 -0.01	57.48 3.46 -0.01	54.85 3.49 -0.01	48.93 3.54 -0.01	43.96 3.26 -0.01
N.TROY___115KV_TB1 355778	43.74 2.00 0.00	39.30 1.66 0.00	34.92 1.44 0.00	34.50 1.33 0.00	33.70 1.39 0.00	32.57 1.34 0.00	35.09 1.35 0.00	35.67 1.47 0.00	37.91 1.53 0.00	36.12 1.36 0.00	37.19 1.36 0.00	38.59 1.34 0.00	40.24 1.47 0.00	43.38 1.63 0.00	46.21 1.78 0.00	48.06 1.80 0.00	53.75 2.07 0.00	58.90 2.48 0.00	58.95 2.54 0.00	58.33 2.03 0.00	55.69 1.67 0.00	53.04 1.69 0.00	46.93 1.54 0.00	42.04 1.34 0.00
NARROWS_GT1_1 24228	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT1_2 24229	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT1_3 24230	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT1_4 24231	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT1_5 24232	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01



NARROWS_GT1_6 24233	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT1_7 24234	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT1_8 24235	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT2_1 24236	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT2_2 24237	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT2_3 24238	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT2_4 24239	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT2_5 24240	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT2_6 24241	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT2_7 24242	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NARROWS_GT2_8 24243	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	43.95 2.21 0.00	39.48 1.84 0.00	35.12 1.64 0.00	34.77 1.59 0.00	33.93 1.62 0.00	32.70 1.47 0.00	34.99 1.25 0.00	35.43 1.23 0.00	37.58 1.20 0.00	35.63 0.87 0.00	36.62 0.79 0.00	38.07 0.82 0.00	39.70 0.93 0.00	42.75 1.00 0.00	42.14 1.11 3.40	47.39 1.16 0.02	47.24 1.45 5.88	50.72 1.97 7.66	58.59 2.20 0.02	54.67 1.80 3.43	48.90 1.40 6.52	52.81 1.49 0.02	43.12 1.27 3.53	39.80 0.98 1.87
NCHELSEA_115KV_TR2 355582	44.58 2.84 0.00	39.94 2.30 0.00	35.39 1.91 0.00	35.00 1.82 0.00	34.15 1.84 0.00	32.92 1.69 0.00	35.63 1.89 0.00	36.46 2.26 0.00	39.00 2.62 0.00	37.23 2.47 0.00	38.45 2.62 0.00	40.00 2.76 0.00	41.87 3.10 0.00	45.22 3.47 0.00	48.21 3.78 0.00	50.14 3.89 0.00	55.92 4.24 0.00	61.10 4.68 0.00	60.93 4.51 0.00	59.74 3.43 0.00	56.93 2.92 0.00	54.27 2.93 0.00	48.15 2.77 0.00	43.17 2.48 0.00
NEG CAPITAL___MECHNVIL 23645	44.24 2.50 0.00	39.75 2.11 0.00	35.25 1.77 0.00	34.83 1.66 0.00	33.96 1.65 0.00	32.88 1.65 0.00	35.46 1.72 0.00	36.01 1.81 0.00	38.24 1.85 0.00	36.40 1.63 0.00	37.37 1.54 0.00	38.85 1.60 0.00	40.43 1.67 0.00	43.59 1.84 0.00	46.43 2.00 0.00	48.39 2.13 0.00	54.11 2.43 0.00	59.57 3.16 0.00	59.74 3.33 0.00	59.45 3.15 0.00	56.50 2.49 0.00	53.86 2.52 0.00	47.65 2.27 0.00	42.61 1.91 0.00
NEG CENTRAL_HIGH_ACRES 23767	40.44 -1.29 0.00	36.25 -1.39 0.00	32.34 -1.14 0.00	32.08 -1.09 0.00	31.08 -1.23 0.00	30.29 -0.94 0.00	32.86 -0.88 0.00	33.31 -0.89 0.00	35.55 -0.84 0.00	34.17 -0.59 0.00	35.26 -0.57 0.00	36.65 -0.60 0.00	37.80 -0.97 0.00	40.67 -1.09 0.00	43.23 -1.20 0.00	45.15 -1.11 0.00	50.49 -1.19 0.00	55.46 -0.96 0.00	55.74 -0.67 0.00	56.08 -0.22 0.00	53.37 -0.65 0.00	50.52 -0.82 0.00	44.34 -1.04 0.00	39.76 -0.93 0.00



NEG CENTRAL___DRP 24199	41.70 -0.04 0.00	37.49 -0.15 0.00	33.41 -0.07 0.00	33.14 -0.03 0.00	32.21 -0.10 0.00	31.32 0.09 0.00	34.08 0.34 0.00	34.61 0.41 0.00	36.82 0.44 0.00	35.25 0.49 0.00	36.30 0.47 0.00	37.73 0.48 0.00	39.04 0.27 0.00	42.00 0.25 0.00	44.56 0.13 0.00	46.53 0.28 0.00	51.94 0.26 0.00	57.20 0.79 0.00	57.60 1.18 0.00	57.65 1.35 0.00	55.10 1.08 0.00	52.17 0.82 0.00	45.75 0.36 0.00	40.94 0.24 0.00
NEG CENTRAL___INDECK 23768	42.66 0.92 0.00	38.09 0.45 0.00	34.05 0.57 0.00	33.80 0.63 0.00	32.76 0.45 0.00	32.07 0.84 0.00	34.95 1.21 0.00	35.43 1.23 0.00	37.47 1.09 0.00	35.84 1.08 0.00	36.87 1.04 0.00	38.29 1.04 0.00	39.42 0.66 0.00	42.38 0.63 0.00	44.03 -0.40 0.00	46.03 -0.23 0.00	51.52 -0.15 0.00	57.09 0.68 0.00	58.17 1.75 0.00	59.29 2.98 0.00	56.56 2.54 0.00	53.55 2.21 0.00	46.75 1.36 0.00	41.83 1.14 0.00
NEG CENTRAL___SENECA 23627	41.82 0.08 0.00	37.49 -0.15 0.00	33.48 0.00 0.00	33.21 0.03 0.00	32.25 -0.06 0.00	31.42 0.19 0.00	34.21 0.47 0.00	34.82 0.62 0.00	37.04 0.65 0.00	35.46 0.70 0.00	36.51 0.68 0.00	37.96 0.71 0.00	39.23 0.47 0.00	42.17 0.42 0.00	44.65 0.22 0.00	46.67 0.42 0.00	52.09 0.41 0.00	57.49 1.07 0.00	57.99 1.58 0.00	58.10 1.80 0.00	55.58 1.57 0.00	52.53 1.18 0.00	46.02 0.64 0.00	41.14 0.45 0.00
NEG CENTRAL___STATE_STREET 24147	41.70 -0.04 0.00	37.60 -0.04 0.00	33.51 0.03 0.00	33.21 0.03 0.00	32.28 -0.03 0.00	31.32 0.09 0.00	34.04 0.30 0.00	34.58 0.38 0.00	36.78 0.40 0.00	35.18 0.42 0.00	36.19 0.36 0.00	37.62 0.37 0.00	39.00 0.23 0.00	41.96 0.21 0.00	44.65 0.22 0.00	46.67 0.42 0.00	52.09 0.41 0.00	57.20 0.79 0.00	57.49 1.07 0.00	57.43 1.13 0.00	54.94 0.92 0.00	52.06 0.72 0.00	45.70 0.32 0.00	40.86 0.16 0.00
NEG MILLWOOD___DRP 24198	44.79 3.05 0.00	40.09 2.45 0.00	35.49 2.01 0.00	35.13 1.96 0.00	34.25 1.94 0.00	33.04 1.81 0.00	35.80 2.06 0.00	36.73 2.53 0.00	39.25 2.87 0.00	37.54 2.78 0.00	38.73 2.90 0.00	40.26 3.02 0.00	42.18 3.41 0.00	45.59 3.84 0.00	48.60 4.18 0.00	50.56 4.30 0.00	56.28 4.60 0.00	61.38 4.96 0.00	61.32 4.91 0.00	60.08 3.77 0.00	57.20 3.19 0.00	54.58 3.23 0.00	48.43 3.04 0.00	43.38 2.69 0.00
NEG NORTH_FLCN_SEA 23793	41.24 -0.50 0.00	37.19 -0.45 0.00	33.01 -0.47 0.00	32.78 -0.40 0.00	31.83 -0.48 0.00	30.67 -0.56 0.00	32.90 -0.84 0.00	32.83 -1.37 0.00	-0.54 -1.49 35.43	-6.47 -1.46 39.77	33.84 -1.47 0.52	35.76 -1.49 0.00	37.29 -1.47 0.00	40.08 -1.67 0.00	42.74 -1.69 0.00	44.45 -1.80 0.00	50.70 -0.98 0.00	55.46 -0.96 0.00	55.74 -0.68 0.00	56.36 0.06 0.00	54.50 0.49 0.00	51.86 0.51 0.00	45.98 0.59 0.00	41.30 0.61 0.00
NEG NORTH_KES_CHATEGAY 23792	40.82 -0.92 0.00	36.85 -0.79 0.00	32.71 -0.77 0.00	32.48 -0.70 0.00	31.53 -0.78 0.00	30.39 -0.84 0.00	32.63 -1.11 0.00	32.80 -1.40 0.00	1.85 -1.60 32.93	-3.77 -1.56 36.96	33.77 -1.58 0.48	35.68 -1.56 0.00	37.18 -1.59 0.00	40.00 -1.75 0.00	42.65 -1.78 0.00	44.36 -1.90 0.00	50.18 -1.50 0.00	54.89 -1.52 0.00	55.12 -1.30 0.00	55.74 -0.56 0.00	53.91 -0.11 0.00	51.35 0.00 0.00	45.48 0.09 0.00	40.90 0.20 0.00
NEG NORTH___ALICE_FALLS 23915	41.28 -0.46 0.00	37.26 -0.38 0.00	33.08 -0.40 0.00	32.81 -0.36 0.00	31.89 -0.42 0.00	30.70 -0.53 0.00	32.96 -0.78 0.00	32.97 -1.23 0.00	0.00 -1.35 35.04	-5.85 -1.29 39.33	33.96 -1.36 0.51	35.87 -1.38 0.00	37.41 -1.36 0.00	40.21 -1.54 0.00	42.87 -1.56 0.00	44.59 -1.67 0.00	50.85 -0.83 0.00	55.62 -0.79 0.00	55.91 -0.51 0.00	56.53 0.23 0.00	54.67 0.65 0.00	52.01 0.67 0.00	46.11 0.73 0.00	41.43 0.73 0.00
NEG NORTH___LWR_SARANAC 23913	41.28 -0.46 0.00	37.26 -0.38 0.00	33.08 -0.40 0.00	32.81 -0.36 0.00	31.89 -0.42 0.00	30.70 -0.53 0.00	32.96 -0.78 0.00	32.97 -1.23 0.00	0.00 -1.35 35.04	-5.85 -1.29 39.33	33.96 -1.36 0.51	35.87 -1.38 0.00	37.41 -1.36 0.00	40.21 -1.54 0.00	42.87 -1.56 0.00	44.59 -1.67 0.00	50.85 -0.83 0.00	55.62 -0.79 0.00	55.91 -0.51 0.00	56.53 0.23 0.00	54.67 0.65 0.00	52.01 0.67 0.00	46.11 0.73 0.00	41.43 0.73 0.00
NEG NORTH___PLATTSBURG 23628	41.28 -0.46 0.00	37.26 -0.38 0.00	33.08 -0.40 0.00	32.81 -0.36 0.00	31.89 -0.42 0.00	30.70 -0.53 0.00	32.96 -0.77 0.00	32.97 -1.23 0.00	0.00 -1.35 35.04	-5.85 -1.29 39.33	33.96 -1.36 0.51	35.87 -1.38 0.00	37.41 -1.36 0.00	40.21 -1.54 0.00	42.87 -1.56 0.00	44.59 -1.66 0.00	50.85 -0.83 0.00	55.51 -0.90 0.00	55.85 -0.56 0.00	56.19 -0.11 0.00	54.67 0.65 0.00	52.01 0.67 0.00	46.11 0.72 0.00	41.43 0.73 0.00
NEG WEST_LEA_LOCKPORT 23791	40.28 -1.46 0.00	35.68 -1.96 0.00	31.94 -1.54 0.00	31.71 -1.46 0.00	30.66 -1.65 0.00	30.20 -1.03 0.00	32.36 -1.38 0.00	32.77 -1.44 0.00	35.07 -1.31 0.00	33.89 -0.87 0.00	34.90 -0.93 0.00	36.35 -0.89 0.00	37.33 -1.43 0.00	40.12 -1.63 0.00	42.43 -2.00 0.00	44.31 -1.94 0.00	48.99 -2.69 0.00	54.33 -2.09 0.00	55.06 -1.35 0.00	55.12 -1.18 0.00	52.72 -1.30 0.00	49.60 -1.75 0.00	43.57 -1.82 0.00	39.80 -0.90 0.00
NEG WEST___LANCASTR 23811	39.99 -1.75 0.00	35.61 -2.03 0.00	31.84 -1.64 0.00	31.65 -1.53 0.00	30.63 -1.68 0.00	30.07 -1.16 0.00	32.49 -1.25 0.00	33.18 -1.03 0.00	35.47 -0.91 0.00	34.21 -0.56 0.00	35.26 -0.57 0.00	36.69 -0.56 0.00	37.72 -1.05 0.00	40.58 -1.17 0.00	42.92 -1.51 0.00	44.87 -1.39 0.00	49.82 -1.86 0.00	55.17 -1.24 0.00	55.85 -0.56 0.00	55.91 -0.39 0.00	53.48 -0.54 0.00	50.32 -1.03 0.00	44.11 -1.27 0.00	39.88 -0.81 0.00
NEG_PENN_ALLEGHNY 23528	41.91 0.17 0.00	37.60 -0.04 0.00	33.55 0.07 0.00	33.24 0.07 0.00	32.34 0.03 0.00	31.39 0.16 0.00	34.08 0.34 0.00	34.72 0.51 0.00	36.96 0.58 0.00	35.39 0.63 0.00	36.48 0.65 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.34 0.58 0.00	45.05 0.62 0.00	47.04 0.79 0.00	52.50 0.82 0.00	57.71 1.30 0.00	57.88 1.46 0.00	57.94 1.63 0.00	55.15 1.14 0.00	52.32 0.97 0.00	46.02 0.64 0.00	41.14 0.45 0.00
NEG___GEN_MONROE 24207	41.36 -0.38 0.00	36.96 -0.68 0.00	33.01 -0.47 0.00	32.71 -0.46 0.00	31.66 -0.65 0.00	30.95 -0.28 0.00	33.47 -0.27 0.00	33.86 -0.34 0.00	36.13 -0.25 0.00	34.73 -0.03 0.00	35.80 -0.04 0.00	37.21 -0.04 0.00	38.26 -0.50 0.00	41.21 -0.54 0.00	43.67 -0.76 0.00	45.61 -0.65 0.00	50.70 -0.98 0.00	56.02 -0.39 0.00	56.53 0.11 0.00	56.70 0.39 0.00	54.23 0.22 0.00	51.09 -0.26 0.00	44.84 -0.54 0.00	40.53 -0.16 0.00
NEPA___ENERGY 23901	40.11 -1.63 0.00	35.83 -1.81 0.00	32.04 -1.44 0.00	31.78 -1.39 0.00	30.82 -1.49 0.00	30.20 -1.03 0.00	32.73 -1.01 0.00	33.42 -0.79 0.00	35.69 -0.69 0.00	34.35 -0.42 0.00	35.37 -0.47 0.00	36.80 -0.45 0.00	37.91 -0.85 0.00	40.79 -0.96 0.00	43.23 -1.20 0.00	45.19 -1.06 0.00	50.28 -1.40 0.00	55.51 -0.90 0.00	56.08 -0.34 0.00	56.08 -0.23 0.00	53.64 -0.38 0.00	50.47 -0.87 0.00	44.25 -1.13 0.00	39.88 -0.81 0.00



NEVERSINK___HYD 23608	44.49 2.75 0.00	39.86 2.22 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.09 1.78 0.00	32.88 1.65 0.00	35.63 1.89 0.00	36.42 2.22 0.00	38.96 2.58 0.00	37.20 2.43 0.00	38.34 2.51 0.00	39.93 2.68 0.00	41.79 3.03 0.00	45.09 3.34 0.00	47.85 3.69 0.26	50.18 3.93 0.00	55.40 4.18 0.46	60.84 5.02 0.60	61.27 4.85 0.00	60.14 4.11 0.27	56.80 3.30 0.51	54.48 3.13 0.00	47.97 2.86 0.28	43.15 2.61 0.15
NEWKRMKL_115KV_TB1 55635	43.24 1.50 0.00	38.92 1.28 0.00	34.58 1.10 0.00	34.20 1.03 0.00	33.38 1.07 0.00	32.23 1.00 0.00	34.55 0.81 0.00	35.13 0.92 0.00	37.36 0.98 0.00	35.63 0.87 0.00	36.73 0.90 0.00	38.18 0.93 0.00	39.73 0.97 0.00	42.80 1.04 0.00	45.45 1.02 0.00	47.27 1.02 0.00	52.71 1.03 0.00	57.71 1.30 0.00	57.71 1.30 0.00	57.09 0.79 0.00	54.45 0.43 0.00	51.86 0.51 0.00	45.93 0.54 0.00	41.14 0.45 0.00
NEWTON___FALLS_HYD 23847	42.16 0.42 0.00	38.02 0.38 0.00	33.78 0.30 0.00	33.51 0.33 0.00	32.54 0.23 0.00	31.51 0.28 0.00	34.08 0.34 0.00	34.44 0.24 0.00	32.58 0.18 3.99	30.25 -0.03 4.47	35.63 -0.14 0.06	37.10 -0.15 0.00	38.49 -0.27 0.00	41.42 -0.33 0.00	44.07 -0.36 0.00	45.75 -0.51 0.00	51.37 -0.31 0.00	56.25 -0.17 0.00	56.53 0.11 0.00	56.92 0.62 0.00	54.83 0.81 0.00	52.48 1.13 0.00	46.34 0.95 0.00	41.51 0.81 0.00
NGRID_A1_DSASP 323792	39.57 -2.17 0.00	35.12 -2.52 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.40 -1.43 0.00	35.76 -1.49 0.00	36.71 -2.06 0.00	39.50 -2.26 0.00	41.72 -2.71 0.00	43.53 -2.73 0.00	48.37 -3.31 0.00	53.37 -3.05 0.00	53.99 -2.42 0.00	54.45 -1.86 0.00	51.64 -2.38 0.00	48.88 -2.46 0.00	42.93 -2.45 0.00	38.94 -1.75 0.00
NGRID_A2_DSASP 323793	39.57 -2.17 0.00	35.12 -2.52 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.40 -1.43 0.00	35.76 -1.49 0.00	36.71 -2.06 0.00	39.50 -2.26 0.00	41.72 -2.71 0.00	43.53 -2.73 0.00	48.37 -3.31 0.00	53.37 -3.05 0.00	53.99 -2.42 0.00	54.45 -1.86 0.00	51.64 -2.38 0.00	48.88 -2.46 0.00	42.93 -2.45 0.00	38.94 -1.75 0.00
NGRID_A4_DSASP 323807	39.57 -2.17 0.00	35.12 -2.52 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.40 -1.43 0.00	35.76 -1.49 0.00	36.71 -2.06 0.00	39.50 -2.26 0.00	41.72 -2.71 0.00	43.53 -2.73 0.00	48.37 -3.31 0.00	53.37 -3.05 0.00	53.99 -2.42 0.00	54.45 -1.86 0.00	51.64 -2.38 0.00	48.88 -2.46 0.00	42.93 -2.45 0.00	38.94 -1.75 0.00
NIAGARA_115E_LBMP 323715	40.03 -1.71 0.00	35.53 -2.11 0.00	31.47 -2.01 0.00	31.25 -1.92 0.00	30.21 -2.10 0.00	29.95 -1.28 0.00	31.92 -1.82 0.00	32.22 -1.98 0.00	34.53 -1.85 0.00	33.37 -1.39 0.00	34.47 -1.36 0.00	35.79 -1.45 0.00	36.75 -2.02 0.00	39.54 -2.21 0.00	41.76 -2.66 0.00	43.62 -2.63 0.00	48.47 -3.20 0.00	53.54 -2.88 0.00	54.10 -2.32 0.00	54.62 -1.69 0.00	51.80 -2.22 0.00	49.04 -2.31 0.00	43.07 -2.31 0.00	39.23 -1.46 0.00
NIAGARA_115W_LBMP 323714	39.48 -2.25 0.00	35.04 -2.60 0.00	31.70 -1.78 0.00	31.52 -1.66 0.00	30.47 -1.84 0.00	28.89 -2.34 0.00	31.68 -2.06 0.00	32.08 -2.12 0.00	34.38 -2.00 0.00	33.23 -1.53 0.00	34.33 -1.50 0.00	35.65 -1.60 0.00	36.63 -2.13 0.00	39.37 -2.38 0.00	41.63 -2.80 0.00	43.43 -2.82 0.00	48.27 -3.41 0.00	53.26 -3.16 0.00	53.82 -2.59 0.00	54.28 -2.02 0.00	51.48 -2.54 0.00	48.73 -2.62 0.00	42.84 -2.54 0.00	38.86 -1.83 0.00
NIAGARA_230_LBMP 323716	40.03 -1.71 0.00	35.57 -2.07 0.00	31.81 -1.67 0.00	31.61 -1.56 0.00	30.56 -1.75 0.00	29.98 -1.25 0.00	32.19 -1.55 0.00	32.60 -1.61 0.00	34.89 -1.49 0.00	33.75 -1.01 0.00	34.83 -1.00 0.00	36.20 -1.04 0.00	37.17 -1.59 0.00	40.00 -1.75 0.00	42.25 -2.18 0.00	44.08 -2.17 0.00	49.04 -2.63 0.00	54.10 -2.32 0.00	54.67 -1.75 0.00	55.12 -1.19 0.00	52.29 -1.73 0.00	49.50 -1.85 0.00	43.48 -1.90 0.00	39.39 -1.30 0.00
NIAGARA___115KV_198_GIBSON 55903	39.36 -2.38 0.00	35.46 -2.18 0.00	31.70 -1.77 0.00	31.51 -1.66 0.00	30.47 -1.84 0.00	28.89 -2.34 0.00	31.68 -2.06 0.00	32.08 -2.12 0.00	34.38 -2.00 0.00	33.23 -1.53 0.00	34.26 -1.58 0.00	35.65 -1.60 0.00	36.63 -2.13 0.00	39.37 -2.38 0.00	41.63 -2.80 0.00	43.43 -2.82 0.00	48.01 -3.67 0.00	53.20 -3.22 0.00	53.82 -2.60 0.00	53.83 -2.48 0.00	51.48 -2.54 0.00	48.37 -2.98 0.00	42.53 -2.86 0.00	38.82 -1.87 0.00
NIAGARA____ 23760	40.03 -1.71 0.00	35.57 -2.07 0.00	31.81 -1.67 0.00	31.61 -1.56 0.00	30.56 -1.75 0.00	29.98 -1.25 0.00	32.19 -1.55 0.00	32.60 -1.61 0.00	34.89 -1.49 0.00	33.75 -1.01 0.00	34.83 -1.00 0.00	36.20 -1.04 0.00	37.17 -1.59 0.00	40.00 -1.75 0.00	42.25 -2.18 0.00	44.08 -2.17 0.00	49.04 -2.63 0.00	54.10 -2.32 0.00	54.67 -1.75 0.00	55.12 -1.19 0.00	52.29 -1.73 0.00	49.50 -1.85 0.00	43.48 -1.90 0.00	39.39 -1.30 0.00
NINE_MILE_1 23575	40.44 -1.29 0.00	36.62 -1.01 0.00	32.61 -0.87 0.00	32.31 -0.86 0.00	31.44 -0.87 0.00	30.45 -0.78 0.00	32.93 -0.81 0.00	33.28 -0.92 0.00	35.40 -0.98 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.68 -1.09 0.00	40.58 -1.17 0.00	43.18 -1.24 0.00	45.01 -1.25 0.00	50.29 -1.39 0.00	55.01 -1.41 0.00	55.12 -1.30 0.00	55.12 -1.19 0.00	52.61 -1.40 0.00	49.96 -1.38 0.00	44.07 -1.32 0.00	39.47 -1.22 0.00
NINE_MILE_2 23744	40.44 -1.29 0.00	36.62 -1.01 0.00	32.61 -0.87 0.00	32.31 -0.86 0.00	31.44 -0.87 0.00	30.45 -0.78 0.00	32.96 -0.77 0.00	33.28 -0.92 0.00	35.40 -0.98 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.68 -1.09 0.00	40.58 -1.17 0.00	43.18 -1.24 0.00	45.01 -1.25 0.00	50.29 -1.39 0.00	55.01 -1.41 0.00	55.12 -1.30 0.00	55.12 -1.19 0.00	52.61 -1.40 0.00	49.96 -1.38 0.00	44.07 -1.32 0.00	39.47 -1.22 0.00
NM_CAPITAL___DRP 24208	43.33 1.59 0.00	38.96 1.32 0.00	34.62 1.14 0.00	34.23 1.06 0.00	33.44 1.13 0.00	32.29 1.06 0.00	34.65 0.91 0.00	35.23 1.03 0.00	37.44 1.06 0.00	35.74 0.97 0.00	36.84 1.00 0.00	38.25 1.01 0.00	39.85 1.09 0.00	42.92 1.17 0.00	45.63 1.20 0.00	47.46 1.20 0.00	52.92 1.24 0.00	57.88 1.47 0.00	57.88 1.47 0.00	57.20 0.90 0.00	54.61 0.59 0.00	52.01 0.67 0.00	46.07 0.68 0.00	41.26 0.57 0.00
NM_CENTRAL___DRP 24181	41.28 -0.46 0.00	37.30 -0.34 0.00	33.21 -0.27 0.00	32.91 -0.27 0.00	32.02 -0.29 0.00	31.01 -0.22 0.00	33.64 -0.10 0.00	34.07 -0.14 0.00	36.24 -0.15 0.00	34.69 -0.07 0.00	35.76 -0.07 0.00	37.17 -0.07 0.00	38.57 -0.19 0.00	41.54 -0.21 0.00	44.21 -0.22 0.00	46.12 -0.14 0.00	51.47 -0.21 0.00	56.41 0.00 0.00	56.58 0.17 0.00	56.42 0.11 0.00	53.96 -0.05 0.00	51.19 -0.15 0.00	45.07 -0.32 0.00	40.33 -0.37 0.00



NM_FRONTIER___DRP 24179	39.36 -2.38 0.00	35.46 -2.18 0.00	31.70 -1.77 0.00	31.51 -1.66 0.00	30.47 -1.84 0.00	28.89 -2.34 0.00	31.68 -2.06 0.00	32.08 -2.12 0.00	34.38 -2.00 0.00	33.23 -1.53 0.00	34.26 -1.58 0.00	35.65 -1.60 0.00	36.63 -2.13 0.00	39.37 -2.38 0.00	41.63 -2.80 0.00	43.43 -2.82 0.00	48.01 -3.67 0.00	53.20 -3.22 0.00	53.82 -2.60 0.00	53.83 -2.48 0.00	51.48 -2.54 0.00	48.37 -2.98 0.00	42.53 -2.86 0.00	38.82 -1.87 0.00
NM_ST_REGIS___HYD 24053	41.78 0.04 0.00	37.75 0.11 0.00	33.55 0.07 0.00	33.27 0.10 0.00	32.31 0.00 0.00	31.20 -0.03 0.00	33.60 -0.13 0.00	33.96 -0.24 0.00	26.01 -0.33 10.05	23.07 -0.42 11.28	35.25 -0.43 0.15	36.80 -0.45 0.00	38.30 -0.47 0.00	41.17 -0.58 0.00	43.85 -0.58 0.00	45.38 -0.88 0.00	50.90 -0.78 0.00	55.57 -0.85 0.00	55.74 -0.68 0.00	56.25 -0.06 0.00	54.29 0.27 0.00	51.96 0.62 0.00	46.16 0.77 0.00	41.47 0.77 0.00
NORTHPORT___1 23551	45.54 3.80 -0.01	40.61 2.97 0.00	35.59 2.11 0.00	34.86 1.69 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.76 2.02 0.00	36.70 2.50 0.00	39.36 2.98 0.00	38.20 3.44 0.00	39.42 3.58 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	48.88 4.40 -0.05	50.23 4.35 0.37	52.09 4.24 3.83	54.62 4.97 6.76	52.66 4.34 8.10	52.66 2.81 6.46	51.43 1.57 4.15	50.55 1.18 1.98	48.02 2.63 0.00	44.08 3.38 -0.01
NORTHPORT___2 23552	45.54 3.80 -0.01	40.61 2.97 0.00	35.59 2.11 0.00	34.86 1.69 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.76 2.02 0.00	36.70 2.50 0.00	39.36 2.98 0.00	38.20 3.44 0.00	39.42 3.58 -0.01	41.02 3.76 -0.01	45.75 4.11 -2.88	47.62 4.47 -1.40	48.88 4.40 -0.05	50.23 4.35 0.37	52.09 4.24 3.83	54.62 4.97 6.76	52.66 4.34 8.10	52.66 2.81 6.46	51.43 1.57 4.15	50.55 1.18 1.98	48.02 2.63 0.00	44.08 3.38 -0.01
NORTHPORT___3 23553	45.13 3.38 -0.01	40.27 2.63 0.00	35.32 1.84 0.00	34.63 1.46 0.00	33.73 1.42 0.00	32.42 1.19 0.00	35.49 1.75 0.00	36.46 2.26 0.00	39.11 2.73 0.00	37.93 3.16 0.00	39.17 3.33 -0.01	40.80 3.54 -0.01	45.56 3.91 -2.88	47.07 3.92 -1.40	48.83 4.36 -0.04	50.00 3.98 0.24	51.80 3.98 3.86	54.27 4.68 6.82	52.44 4.17 8.15	52.54 2.70 6.46	51.26 1.40 4.16	50.44 1.08 1.99	47.38 1.99 0.00	43.79 3.09 -0.01
NORTHPORT___4 23650	45.13 3.38 -0.01	40.27 2.63 0.00	35.32 1.84 0.00	34.63 1.46 0.00	33.73 1.42 0.00	32.42 1.19 0.00	35.49 1.75 0.00	36.46 2.26 0.00	39.11 2.73 0.00	37.93 3.16 0.00	39.17 3.33 -0.01	40.80 3.54 -0.01	45.56 3.91 -2.88	47.07 3.92 -1.40	48.83 4.36 -0.04	50.00 3.98 0.24	51.80 3.98 3.86	54.27 4.68 6.82	52.44 4.17 8.15	52.54 2.70 6.46	51.26 1.40 4.16	50.44 1.08 1.99	47.38 1.99 0.00	43.79 3.09 -0.01
NORTHPORT___IC 23718	45.54 3.80 0.00	40.61 2.97 0.00	35.59 2.11 0.00	34.87 1.69 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.76 2.02 0.00	36.70 2.50 0.00	39.36 2.98 0.00	38.20 3.44 0.00	39.41 3.58 0.00	41.01 3.76 0.00	45.79 4.15 -2.88	47.62 4.47 -1.40	48.92 4.44 -0.05	50.08 4.21 0.38	52.30 4.44 3.83	54.45 4.80 6.76	52.60 4.29 8.10	51.93 2.08 6.46	51.21 1.35 4.15	50.60 1.23 1.98	48.20 2.81 0.00	44.11 3.42 0.00
NORTH___COUNTRY_ESR 323785	40.74 -1.00 0.00	36.78 -0.86 0.00	32.64 -0.84 0.00	32.38 -0.80 0.00	31.50 -0.81 0.00	30.32 -0.91 0.00	32.56 -1.18 0.00	32.73 -1.47 0.00	1.87 -1.64 32.87	-3.74 -1.60 36.90	33.78 -1.58 0.48	35.65 -1.60 0.00	37.17 -1.59 0.00	39.96 -1.79 0.00	42.61 -1.82 0.00	44.32 -1.94 0.00	50.13 -1.55 0.00	54.67 -1.75 0.00	54.95 -1.47 0.00	55.29 -1.01 0.00	53.75 -0.27 0.00	51.19 -0.15 0.00	45.39 0.00 0.00	40.77 0.08 0.00
NPX_GEN_1385_PROXY 323591	45.46 3.71 -0.01	40.69 3.05 0.00	35.65 2.17 0.00	34.96 1.79 0.00	33.44 1.74 0.62	33.35 1.50 -0.62	35.83 2.09 0.00	36.67 2.46 0.00	39.25 2.87 0.00	38.00 3.23 0.00	39.03 3.19 -0.01	40.68 3.42 -0.01	45.13 3.49 -2.88	47.03 3.88 -1.40	48.00 3.60 0.03	49.40 3.51 0.37	51.73 3.88 3.83	54.90 5.25 6.76	52.94 4.63 8.10	52.88 3.04 6.46	51.00 1.14 4.15	49.88 0.51 1.98	47.47 2.09 0.00	43.63 2.93 -0.01
NPX_GEN_CSC 323557	45.42 3.67 -0.01	40.39 2.75 0.00	35.32 1.84 0.00	34.50 1.33 0.00	33.02 1.33 0.62	32.91 1.06 -0.62	35.39 1.65 0.00	36.32 2.12 0.00	38.96 2.58 0.00	38.31 3.55 0.00	39.31 3.47 -0.01	40.72 3.46 -0.01	45.83 4.19 -2.88	48.24 5.09 -1.40	50.19 5.64 -0.12	56.98 5.69 -5.03	60.42 5.58 -3.16	70.06 6.54 -7.10	63.23 5.36 -1.45	60.13 3.83 0.00	56.24 2.22 0.00	53.20 1.85 0.00	48.15 2.77 0.00	44.12 3.42 -0.01
NSINS_S_GLNS_FALLS 23858	44.16 2.42 0.00	39.67 2.03 0.00	35.12 1.64 0.00	34.70 1.53 0.00	33.83 1.52 0.00	32.76 1.53 0.00	35.39 1.65 0.00	35.88 1.68 0.00	38.05 1.67 0.00	36.19 1.43 0.00	36.91 1.07 0.00	38.40 1.15 0.00	39.89 1.12 0.00	42.92 1.17 0.00	45.72 1.29 0.00	47.69 1.43 0.00	53.75 2.07 0.00	59.01 2.60 0.00	59.63 3.22 0.00	59.34 3.04 0.00	56.45 2.43 0.00	53.96 2.62 0.00	47.65 2.27 0.00	42.56 1.87 0.00
NUCOR_STEEL___DRP 24197	41.70 -0.04 0.00	37.60 -0.04 0.00	33.51 0.03 0.00	33.21 0.03 0.00	32.31 0.00 0.00	31.32 0.09 0.00	34.04 0.30 0.00	34.51 0.31 0.00	36.67 0.29 0.00	35.11 0.35 0.00	36.12 0.29 0.00	37.55 0.30 0.00	38.92 0.16 0.00	41.88 0.13 0.00	44.61 0.18 0.00	46.58 0.32 0.00	51.99 0.31 0.00	57.09 0.68 0.00	57.37 0.96 0.00	57.32 1.01 0.00	54.83 0.81 0.00	52.01 0.67 0.00	45.70 0.32 0.00	40.86 0.16 0.00
NUMBER_THREE_WT_PWR 323818	42.40 0.67 0.00	38.17 0.53 0.00	33.95 0.47 0.00	33.67 0.50 0.00	32.70 0.39 0.00	31.73 0.50 0.00	34.35 0.61 0.00	34.75 0.55 0.00	35.17 0.51 1.72	33.07 0.25 1.93	35.88 0.07 0.03	37.32 0.07 0.00	38.65 -0.12 0.00	41.67 -0.08 0.00	44.25 -0.18 0.00	46.21 -0.05 0.00	51.94 0.26 0.00	56.98 0.56 0.00	57.37 0.96 0.00	57.71 1.41 0.00	55.48 1.46 0.00	52.88 1.54 0.00	46.52 1.14 0.00	41.51 0.81 0.00
NYISO_LBMP_REFERENCE 24008	41.74 0.00 0.00	37.64 0.00 0.00	33.48 0.00 0.00	33.17 0.00 0.00	32.31 0.00 0.00	31.23 0.00 0.00	33.74 0.00 0.00	34.20 0.00 0.00	36.38 0.00 0.00	34.76 0.00 0.00	35.83 0.00 0.00	37.25 0.00 0.00	38.77 0.00 0.00	41.75 0.00 0.00	44.43 0.00 0.00	46.26 0.00 0.00	51.68 0.00 0.00	56.41 0.00 0.00	56.41 0.00 0.00	56.30 0.00 0.00	54.02 0.00 0.00	51.35 0.00 0.00	45.39 0.00 0.00	40.69 0.00 0.00
NYPA_BRENTWD____GT 24164	46.13 4.38 -0.01	41.10 3.46 0.00	35.99 2.51 0.00	35.23 2.06 0.00	34.35 2.04 0.00	32.98 1.75 0.00	36.17 2.43 0.00	37.11 2.91 0.00	39.80 3.42 0.00	38.69 3.93 0.00	39.92 4.08 -0.01	41.54 4.28 -0.01	46.37 4.73 -2.88	48.45 5.30 -1.40	49.97 5.46 -0.08	57.99 5.50 -6.23	58.59 5.48 -1.44	66.11 6.37 -3.33	63.92 5.76 -1.75	60.58 4.28 0.00	56.96 2.91 -0.03	53.89 2.52 -0.03	48.88 3.49 0.00	44.73 4.03 -0.01



NYPA_GOWANUS____GT5 24156	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NYPA_GOWANUS____GT6 24157	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.18 2.97 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.50 3.66 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.44 5.18 -0.01	56.80 5.12 0.00	62.06 5.64 0.00	61.55 5.13 0.00	60.53 4.22 0.00	57.37 3.35 0.00	54.69 3.34 -0.01	48.89 3.49 -0.01	43.96 3.26 -0.01
NYPA_HARLEM__RVR__GT1 24160	45.09 3.34 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.27 4.51 -0.01	49.24 4.80 -0.01	51.17 4.90 -0.01	56.65 4.96 -0.01	61.84 5.42 -0.01	61.39 4.97 -0.01	60.37 4.06 -0.01	57.27 3.24 -0.01	54.59 3.24 -0.01	48.75 3.36 -0.01	43.83 3.13 -0.01
NYPA_HARLEM__RVR__GT2 24161	45.09 3.34 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.27 4.51 -0.01	49.24 4.80 -0.01	51.17 4.90 -0.01	56.65 4.96 -0.01	61.84 5.42 -0.01	61.39 4.97 -0.01	60.37 4.06 -0.01	57.27 3.24 -0.01	54.59 3.24 -0.01	48.75 3.36 -0.01	43.83 3.13 -0.01
NYPA_KENT____GT 24152	45.08 3.34 0.00	40.43 2.79 0.00	35.73 2.24 0.00	35.30 2.12 0.00	34.35 2.04 0.00	33.14 1.91 0.00	36.13 2.40 0.00	37.12 2.91 -0.01	39.69 3.31 0.00	38.11 3.34 -0.01	39.39 3.55 -0.01	41.09 3.84 -0.01	42.96 4.19 -0.01	46.39 4.63 -0.01	49.41 4.97 -0.01	51.31 5.04 -0.01	56.64 4.96 0.00	61.95 5.53 0.00	61.43 5.02 0.00	60.41 4.11 0.00	57.26 3.24 0.00	54.59 3.24 0.00	48.75 3.36 0.00	43.83 3.13 -0.01
NYPA_POUCH1____GT 24155	45.13 3.38 -0.01	40.47 2.82 -0.01	35.79 2.31 -0.01	35.33 2.16 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.24 2.50 0.00	37.15 2.94 -0.01	39.73 3.34 0.00	38.14 3.37 -0.01	39.42 3.58 -0.01	41.09 3.84 -0.01	42.96 4.19 -0.01	46.39 4.63 -0.01	49.37 4.93 -0.01	51.26 5.00 -0.01	56.47 4.86 0.07	58.10 5.30 3.62	56.85 4.85 4.42	55.53 3.94 4.71	55.52 3.08 1.58	54.49 3.13 -0.01	48.80 3.41 -0.01	43.88 3.18 -0.01
NYPA_VERNON____GT2 24162	44.95 3.21 0.00	40.31 2.67 0.00	35.65 2.17 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.07 1.84 0.00	36.03 2.30 0.00	37.02 2.81 -0.01	39.62 3.24 0.00	38.04 3.27 -0.01	39.32 3.47 -0.01	40.98 3.72 -0.01	42.88 4.11 -0.01	46.31 4.55 -0.01	49.28 4.84 -0.01	51.22 4.95 -0.01	56.54 4.86 0.00	61.78 5.36 0.00	61.27 4.85 0.00	60.30 4.00 0.00	57.20 3.19 0.00	54.43 3.08 0.00	48.66 3.27 0.00	43.75 3.05 0.00
NYPA_VERNON____GT3 24163	44.95 3.21 0.00	40.31 2.67 0.00	35.65 2.17 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.07 1.84 0.00	36.03 2.30 0.00	37.02 2.81 -0.01	39.62 3.24 0.00	38.04 3.27 -0.01	39.32 3.47 -0.01	40.98 3.72 -0.01	42.88 4.11 -0.01	46.31 4.55 -0.01	49.28 4.84 -0.01	51.22 4.95 -0.01	56.54 4.86 0.00	61.78 5.36 0.00	61.27 4.85 0.00	60.30 4.00 0.00	57.20 3.19 0.00	54.43 3.08 0.00	48.66 3.27 0.00	43.75 3.05 0.00
NYPA__ASTORIA_CC1 323568	44.91 3.17 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.54 3.16 0.00	38.00 3.23 -0.01	39.25 3.41 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.76 -0.01	51.12 4.86 -0.01	56.43 4.75 0.00	61.66 5.25 0.00	61.15 4.74 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.56 3.18 0.00	43.70 3.01 0.00
NYPA__ASTORIA_CC2 323569	44.91 3.17 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.54 3.16 0.00	38.00 3.23 -0.01	39.25 3.41 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.76 -0.01	51.12 4.86 -0.01	56.43 4.75 0.00	61.66 5.25 0.00	61.15 4.74 0.00	60.13 3.83 0.00	57.04 3.02 0.00	54.32 2.98 0.00	48.56 3.18 0.00	43.70 3.01 0.00
NYPA__HOLTSVILL 23794	45.75 4.01 -0.01	40.73 3.09 0.00	35.65 2.17 0.00	34.90 1.72 0.00	33.99 1.68 0.00	32.67 1.44 0.00	35.80 2.06 0.00	36.73 2.53 0.00	39.40 3.02 0.00	38.41 3.65 0.00	39.60 3.76 -0.01	41.13 3.87 -0.01	45.98 4.34 -2.88	48.12 4.97 -1.40	49.74 5.20 -0.11	56.35 5.13 -4.96	59.90 5.12 -3.11	69.38 5.98 -6.98	63.15 5.30 -1.43	60.13 3.83 0.00	56.34 2.32 0.00	53.35 2.00 0.00	48.38 2.99 0.00	44.32 3.62 -0.01
NYPA____HELLGATE_GT1 24158	45.09 3.34 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.27 4.51 -0.01	49.24 4.80 -0.01	51.17 4.90 -0.01	56.65 4.96 -0.01	61.84 5.42 -0.01	61.39 4.97 -0.01	60.37 4.06 -0.01	57.27 3.24 -0.01	54.59 3.24 -0.01	48.75 3.36 -0.01	43.83 3.13 -0.01
NYPA____HELLGATE_GT2 24159	45.09 3.34 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.07 1.84 0.00	36.10 2.36 0.00	37.05 2.84 -0.01	39.62 3.24 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.80 4.03 -0.01	46.27 4.51 -0.01	49.24 4.80 -0.01	51.17 4.90 -0.01	56.65 4.96 -0.01	61.84 5.42 -0.01	61.39 4.97 -0.01	60.37 4.06 -0.01	57.27 3.24 -0.01	54.59 3.24 -0.01	48.75 3.36 -0.01	43.83 3.13 -0.01
NYS_BARGE__HYD 23848	40.44 -1.29 0.00	35.91 -1.73 0.00	31.94 -1.54 0.00	31.71 -1.46 0.00	30.66 -1.65 0.00	30.23 -1.00 0.00	32.35 -1.38 0.00	32.73 -1.47 0.00	35.07 -1.31 0.00	33.89 -0.87 0.00	34.97 -0.86 0.00	36.35 -0.89 0.00	37.33 -1.43 0.00	40.12 -1.63 0.00	42.43 -2.00 0.00	44.32 -1.94 0.00	49.30 -2.38 0.00	54.44 -1.98 0.00	55.06 -1.35 0.00	55.63 -0.67 0.00	52.78 -1.24 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	39.84 -0.86 0.00
OAK ORCHARD__HYD 24046	41.15 -0.58 0.00	36.81 -0.83 0.00	32.84 -0.64 0.00	32.58 -0.60 0.00	31.57 -0.74 0.00	30.79 -0.44 0.00	33.34 -0.40 0.00	33.79 -0.41 0.00	36.09 -0.29 0.00	34.73 -0.03 0.00	35.87 0.04 0.00	37.28 0.04 0.00	38.42 -0.35 0.00	41.29 -0.46 0.00	43.81 -0.62 0.00	45.75 -0.51 0.00	51.11 -0.57 0.00	56.19 -0.22 0.00	56.53 0.11 0.00	56.92 0.62 0.00	54.13 0.11 0.00	51.24 -0.10 0.00	44.98 -0.41 0.00	40.45 -0.24 0.00



OAKDALE___35_KV_LOAD 356122	41.82 0.08 0.00	37.56 -0.08 0.00	33.51 0.03 0.00	33.21 0.03 0.00	32.31 0.00 0.00	31.36 0.12 0.00	34.01 0.27 0.00	34.61 0.41 0.00	36.89 0.51 0.00	35.32 0.56 0.00	36.37 0.54 0.00	37.84 0.60 0.00	39.23 0.47 0.00	42.25 0.50 0.00	44.96 0.53 0.00	46.90 0.65 0.00	52.35 0.67 0.00	57.43 1.02 0.00	57.71 1.30 0.00	57.49 1.18 0.00	54.99 0.97 0.00	52.12 0.77 0.00	45.84 0.45 0.00	41.06 0.37 0.00
OCC_CHEM___DRP 24175	39.49 -2.25 0.00	35.49 -2.15 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.33 -1.50 0.00	35.76 -1.49 0.00	36.71 -2.05 0.00	39.50 -2.25 0.00	41.76 -2.67 0.00	43.57 -2.68 0.00	48.16 -3.51 0.00	53.31 -3.10 0.00	53.93 -2.48 0.00	53.94 -2.36 0.00	51.64 -2.38 0.00	48.52 -2.82 0.00	42.66 -2.72 0.00	38.94 -1.75 0.00
OH_GEN_PROXY 24063	40.07 -1.67 0.00	35.57 -2.07 0.00	31.84 -1.64 0.00	31.61 -1.56 0.00	29.98 -1.71 0.62	30.60 -1.25 -0.62	32.22 -1.52 0.00	32.66 -1.54 0.00	34.96 -1.42 0.00	33.83 -0.94 0.00	34.90 -0.93 0.00	36.24 -1.00 0.00	37.25 -1.51 0.00	40.08 -1.67 0.00	42.39 -2.04 0.00	44.22 -2.03 0.00	49.20 -2.48 0.00	54.27 -2.14 0.00	54.84 -1.58 0.00	55.29 -1.01 0.00	52.45 -1.57 0.00	49.60 -1.75 0.00	43.52 -1.86 0.00	39.43 -1.26 0.00
OLIN_CORP_DRP 24177	39.94 -1.79 0.00	35.23 -2.41 0.00	31.54 -1.94 0.00	31.35 -1.82 0.00	30.27 -2.04 0.00	29.98 -1.25 0.00	31.98 -1.75 0.00	32.32 -1.88 0.00	34.60 -1.78 0.00	33.44 -1.32 0.00	34.47 -1.36 0.00	35.87 -1.38 0.00	36.83 -1.94 0.00	39.62 -2.13 0.00	41.90 -2.53 0.00	43.71 -2.54 0.00	48.32 -3.36 0.00	53.59 -2.82 0.00	54.21 -2.20 0.00	54.28 -2.03 0.00	51.91 -2.11 0.00	48.78 -2.57 0.00	42.89 -2.50 0.00	39.31 -1.38 0.00
OLIN_CORP_DSASP 323712	39.57 -2.17 0.00	35.12 -2.52 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.40 -1.43 0.00	35.76 -1.49 0.00	36.71 -2.06 0.00	39.50 -2.26 0.00	41.72 -2.71 0.00	43.53 -2.73 0.00	48.37 -3.31 0.00	53.37 -3.05 0.00	53.99 -2.42 0.00	54.45 -1.86 0.00	51.64 -2.38 0.00	48.88 -2.46 0.00	42.93 -2.45 0.00	38.94 -1.75 0.00
ONEIDA_HERK_LFGE 323681	42.57 0.83 0.00	38.32 0.68 0.00	34.08 0.60 0.00	33.80 0.63 0.00	32.86 0.55 0.00	31.85 0.62 0.00	34.48 0.74 0.00	34.95 0.75 0.00	36.39 0.80 0.79	34.47 0.59 0.88	36.28 0.46 0.01	37.73 0.48 0.00	39.15 0.39 0.00	42.21 0.46 0.00	44.83 0.40 0.00	46.81 0.56 0.00	52.50 0.82 0.00	57.60 1.19 0.00	57.88 1.46 0.00	57.99 1.69 0.00	55.58 1.57 0.00	52.88 1.54 0.00	46.52 1.14 0.00	41.55 0.86 0.00
ONEIDA___115KV_TB4 55905	42.74 1.00 0.00	38.47 0.83 0.00	34.25 0.77 0.00	33.94 0.76 0.00	32.99 0.68 0.00	32.01 0.78 0.00	34.68 0.94 0.00	35.16 0.96 0.00	37.40 1.02 0.00	35.63 0.87 0.00	36.58 0.75 0.00	38.03 0.78 0.00	39.46 0.70 0.00	42.55 0.79 0.00	45.23 0.80 0.00	47.27 1.02 0.00	52.97 1.29 0.00	58.11 1.69 0.00	58.39 1.97 0.00	58.33 2.03 0.00	55.96 1.94 0.00	53.14 1.80 0.00	46.70 1.32 0.00	41.71 1.02 0.00
ONONDAGA_REF_OCCRA 23987	41.45 -0.29 0.00	37.41 -0.23 0.00	33.31 -0.17 0.00	33.01 -0.17 0.00	32.12 -0.19 0.00	31.11 -0.12 0.00	33.74 0.00 0.00	34.20 0.00 0.00	36.38 0.00 0.00	34.83 0.07 0.00	35.87 0.04 0.00	37.28 0.04 0.00	38.73 -0.04 0.00	41.67 -0.08 0.00	44.38 -0.04 0.00	46.30 0.05 0.00	51.73 0.05 0.00	56.70 0.28 0.00	56.87 0.45 0.00	56.70 0.39 0.00	54.23 0.22 0.00	51.45 0.10 0.00	45.29 -0.09 0.00	40.49 -0.20 0.00
ONONDAGA___COGEN 23986	41.45 -0.29 0.00	37.45 -0.19 0.00	33.34 -0.13 0.00	33.04 -0.13 0.00	32.15 -0.16 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.24 0.03 0.00	36.42 0.04 0.00	34.83 0.07 0.00	35.90 0.07 0.00	37.32 0.07 0.00	38.73 -0.04 0.00	41.71 -0.04 0.00	44.38 -0.04 0.00	46.35 0.09 0.00	51.73 0.05 0.00	56.70 0.28 0.00	56.87 0.45 0.00	56.70 0.39 0.00	54.29 0.27 0.00	51.50 0.15 0.00	45.29 -0.09 0.00	40.53 -0.16 0.00
ONTARIO___LFGE 23819	41.82 0.08 0.00	37.49 -0.15 0.00	33.48 0.00 0.00	33.21 0.03 0.00	32.25 -0.06 0.00	31.42 0.19 0.00	34.21 0.47 0.00	34.82 0.62 0.00	37.04 0.66 0.00	35.46 0.69 0.00	36.55 0.72 0.00	37.95 0.71 0.00	39.23 0.47 0.00	42.17 0.42 0.00	44.65 0.22 0.00	46.67 0.42 0.00	52.20 0.52 0.00	57.54 1.13 0.00	58.05 1.64 0.00	58.44 2.14 0.00	55.58 1.57 0.00	52.63 1.28 0.00	46.11 0.72 0.00	41.18 0.49 0.00
ORANGEVILLE_WT_PWR 323706	39.99 -1.75 0.00	35.68 -1.96 0.00	31.97 -1.51 0.00	31.81 -1.36 0.00	30.82 -1.49 0.00	30.20 -1.03 0.00	32.49 -1.25 0.00	32.94 -1.26 0.00	35.14 -1.24 0.00	33.86 -0.90 0.00	34.94 -0.89 0.00	36.24 -1.00 0.00	37.25 -1.51 0.00	40.04 -1.71 0.00	42.34 -2.09 0.00	44.22 -2.03 0.00	49.20 -2.48 0.00	54.61 -1.81 0.00	55.51 -0.90 0.00	56.30 0.00 0.00	53.58 -0.43 0.00	50.78 -0.56 0.00	44.48 -0.91 0.00	40.08 -0.61 0.00
ORANGEVILLE___ESR 323794	39.99 -1.75 0.00	35.68 -1.96 0.00	31.97 -1.51 0.00	31.81 -1.36 0.00	30.82 -1.49 0.00	30.20 -1.03 0.00	32.49 -1.25 0.00	32.94 -1.26 0.00	35.14 -1.24 0.00	33.86 -0.90 0.00	34.94 -0.89 0.00	36.24 -1.00 0.00	37.25 -1.51 0.00	40.04 -1.71 0.00	42.34 -2.09 0.00	44.22 -2.03 0.00	49.20 -2.48 0.00	54.61 -1.81 0.00	55.51 -0.90 0.00	56.30 0.00 0.00	53.58 -0.43 0.00	50.78 -0.56 0.00	44.48 -0.91 0.00	40.08 -0.61 0.00
OSWEGATCHIE___HYD 24044	42.16 0.42 0.00	38.02 0.38 0.00	33.78 0.30 0.00	33.51 0.33 0.00	32.54 0.23 0.00	31.51 0.28 0.00	34.08 0.34 0.00	34.44 0.24 0.00	32.58 0.18 3.99	30.25 -0.03 4.47	35.63 -0.14 0.06	37.10 -0.15 0.00	38.50 -0.27 0.00	41.42 -0.34 0.00	44.07 -0.36 0.00	45.75 -0.51 0.00	51.37 -0.31 0.00	56.19 -0.22 0.00	56.53 0.11 0.00	56.81 0.51 0.00	54.83 0.81 0.00	52.47 1.13 0.00	46.34 0.95 0.00	41.51 0.81 0.00
OSWEGO___5 23606	40.78 -0.96 0.00	36.85 -0.79 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.63 -0.68 0.00	30.64 -0.59 0.00	33.17 -0.57 0.00	33.52 -0.68 0.00	35.69 -0.69 0.00	34.14 -0.62 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	37.99 -0.77 0.00	40.92 -0.83 0.00	43.54 -0.89 0.00	45.38 -0.88 0.00	50.69 -0.98 0.00	55.46 -0.96 0.00	55.57 -0.84 0.00	55.57 -0.73 0.00	53.10 -0.92 0.00	50.42 -0.92 0.00	44.43 -0.96 0.00	39.80 -0.90 0.00
OSWEGO___6 23613	40.78 -0.96 0.00	36.85 -0.79 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.63 -0.68 0.00	30.64 -0.59 0.00	33.17 -0.57 0.00	33.52 -0.68 0.00	35.69 -0.69 0.00	34.14 -0.62 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	37.99 -0.77 0.00	40.92 -0.83 0.00	43.54 -0.89 0.00	45.38 -0.88 0.00	50.69 -0.98 0.00	55.46 -0.96 0.00	55.57 -0.84 0.00	55.57 -0.73 0.00	53.10 -0.92 0.00	50.42 -0.92 0.00	44.43 -0.96 0.00	39.80 -0.90 0.00



OUTOKUMPU-AB___DRP 24206	40.45 -1.29 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.11 -1.12 0.00	32.49 -1.25 0.00	32.97 -1.23 0.00	35.29 -1.09 0.00	34.10 -0.66 0.00	35.19 -0.64 0.00	36.61 -0.63 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.74 -1.69 0.00	44.68 -1.57 0.00	49.40 -2.27 0.00	54.78 -1.64 0.00	55.46 -0.96 0.00	55.51 -0.79 0.00	53.10 -0.92 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	40.00 -0.69 0.00
OXBOW___BTM 323836	40.15 -1.59 0.00	35.61 -2.03 0.00	32.07 -1.40 0.00	31.88 -1.29 0.00	30.79 -1.52 0.00	29.60 -1.63 0.00	32.19 -1.55 0.00	32.63 -1.57 0.00	34.96 -1.42 0.00	33.79 -0.97 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.25 -1.51 0.00	40.04 -1.71 0.00	42.34 -2.09 0.00	44.18 -2.08 0.00	49.10 -2.58 0.00	54.27 -2.14 0.00	54.84 -1.58 0.00	55.35 -0.96 0.00	52.45 -1.57 0.00	49.65 -1.69 0.00	43.61 -1.77 0.00	39.55 -1.14 0.00
OXBOW___ 24026	40.03 -1.71 0.00	35.83 -1.81 0.00	32.07 -1.41 0.00	31.88 -1.29 0.00	30.79 -1.52 0.00	29.61 -1.62 0.00	32.19 -1.55 0.00	32.63 -1.57 0.00	34.96 -1.42 0.00	33.79 -0.97 0.00	34.83 -1.00 0.00	36.28 -0.97 0.00	37.25 -1.51 0.00	40.04 -1.71 0.00	42.34 -2.09 0.00	44.22 -2.04 0.00	48.89 -2.79 0.00	54.16 -2.26 0.00	54.83 -1.58 0.00	54.90 -1.41 0.00	52.45 -1.57 0.00	49.34 -2.00 0.00	43.34 -2.04 0.00	39.55 -1.14 0.00
OXY_CHEM_DSASP 323612	39.49 -2.25 0.00	35.49 -2.15 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.33 -1.50 0.00	35.76 -1.49 0.00	36.71 -2.05 0.00	39.50 -2.25 0.00	41.76 -2.67 0.00	43.57 -2.68 0.00	48.16 -3.51 0.00	53.31 -3.10 0.00	53.93 -2.48 0.00	53.94 -2.36 0.00	51.64 -2.38 0.00	48.52 -2.82 0.00	42.66 -2.72 0.00	38.94 -1.75 0.00
OZONE_PARK_ESR 323760	45.25 3.51 0.00	40.54 2.90 0.00	35.79 2.31 0.00	35.33 2.16 0.00	34.44 2.13 0.00	33.23 2.00 0.00	36.17 2.43 0.00	37.18 2.98 0.00	39.76 3.38 0.00	38.20 3.44 0.00	39.49 3.65 0.00	41.20 3.95 0.00	43.11 4.34 0.00	46.55 4.80 0.00	49.58 5.15 0.00	51.48 5.23 0.00	57.16 5.48 0.00	62.23 5.81 0.00	61.89 5.47 0.00	60.58 4.28 0.00	57.80 3.78 0.00	55.04 3.70 0.00	49.06 3.68 0.00	44.07 3.38 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	39.49 -2.25 0.00	35.49 -2.15 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.33 -1.50 0.00	35.76 -1.49 0.00	36.71 -2.05 0.00	39.50 -2.25 0.00	41.76 -2.67 0.00	43.57 -2.68 0.00	48.16 -3.51 0.00	53.31 -3.10 0.00	53.93 -2.48 0.00	53.94 -2.36 0.00	51.64 -2.38 0.00	48.52 -2.82 0.00	42.66 -2.72 0.00	38.94 -1.75 0.00
PACKARD___115KV_DUPONT_184 80571	39.49 -2.25 0.00	35.49 -2.15 0.00	31.77 -1.71 0.00	31.58 -1.59 0.00	30.53 -1.78 0.00	29.04 -2.19 0.00	31.75 -1.99 0.00	32.18 -2.02 0.00	34.45 -1.93 0.00	33.34 -1.43 0.00	34.33 -1.50 0.00	35.76 -1.49 0.00	36.71 -2.05 0.00	39.50 -2.25 0.00	41.76 -2.67 0.00	43.57 -2.68 0.00	48.16 -3.51 0.00	53.31 -3.10 0.00	53.93 -2.48 0.00	53.94 -2.36 0.00	51.64 -2.38 0.00	48.52 -2.82 0.00	42.66 -2.72 0.00	38.94 -1.75 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	45.13 3.38 -0.01	40.43 2.79 -0.01	35.76 2.28 -0.01	35.34 2.16 -0.01	34.38 2.07 0.00	33.10 1.87 0.00	36.07 2.33 0.00	37.02 2.80 -0.01	39.58 3.20 0.00	38.00 3.23 -0.01	39.21 3.37 -0.01	40.87 3.61 -0.01	42.84 4.07 -0.01	46.27 4.51 -0.01	49.19 4.75 -0.01	51.12 4.86 -0.01	56.85 5.17 -0.01	61.61 5.19 -0.01	61.32 4.91 0.00	59.97 3.66 -0.01	57.32 3.30 -0.01	54.69 3.34 -0.01	48.84 3.45 -0.01	43.87 3.17 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	45.59 3.84 -0.01	40.85 3.20 -0.01	36.13 2.64 -0.01	35.67 2.49 -0.01	34.70 2.39 0.00	33.39 2.15 0.00	36.37 2.63 0.00	37.32 3.11 -0.01	39.87 3.49 0.00	38.21 3.44 -0.01	39.46 3.62 -0.01	41.09 3.84 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.46 5.02 -0.01	51.40 5.13 -0.01	57.22 5.53 -0.01	62.01 5.59 -0.01	61.72 5.30 0.00	60.42 4.11 -0.01	57.70 3.67 -0.01	55.05 3.70 -0.01	49.16 3.77 -0.01	44.20 3.50 -0.01
PATROON___115KV_TB1 80586	43.37 1.63 0.00	38.99 1.36 0.00	34.65 1.17 0.00	34.27 1.09 0.00	33.44 1.13 0.00	32.29 1.06 0.00	34.65 0.91 0.00	35.23 1.03 0.00	37.44 1.06 0.00	35.74 0.97 0.00	36.84 1.00 0.00	38.29 1.04 0.00	39.85 1.09 0.00	42.92 1.17 0.00	45.58 1.16 0.00	47.41 1.16 0.00	52.92 1.24 0.00	57.88 1.47 0.00	57.88 1.47 0.00	57.26 0.96 0.00	54.67 0.65 0.00	52.06 0.72 0.00	46.11 0.73 0.00	41.26 0.57 0.00
PATTRSNVILLE___SOLAR 323815	43.78 2.04 0.00	39.33 1.70 0.00	34.92 1.44 0.00	34.57 1.39 0.00	33.70 1.39 0.00	32.57 1.34 0.00	35.16 1.42 0.00	35.64 1.44 0.00	37.73 1.35 0.00	35.91 1.15 0.00	36.91 1.07 0.00	38.29 1.04 0.00	39.89 1.12 0.00	43.00 1.25 0.00	45.81 1.38 0.00	47.74 1.48 0.00	53.28 1.60 0.00	58.67 2.26 0.00	58.96 2.54 0.00	58.95 2.65 0.00	56.18 2.16 0.00	53.50 2.16 0.00	47.34 1.95 0.00	42.36 1.67 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	40.28 -1.46 0.00	35.83 -1.81 0.00	32.07 -1.41 0.00	31.85 -1.33 0.00	30.82 -1.49 0.00	30.29 -0.94 0.00	32.63 -1.11 0.00	33.28 -0.92 0.00	35.58 -0.80 0.00	34.35 -0.42 0.00	35.44 -0.39 0.00	36.87 -0.37 0.00	37.91 -0.85 0.00	40.79 -0.96 0.00	43.10 -1.33 0.00	45.10 -1.16 0.00	50.02 -1.65 0.00	55.40 -1.02 0.00	56.13 -0.28 0.00	56.19 -0.11 0.00	53.69 -0.32 0.00	50.52 -0.82 0.00	44.30 -1.09 0.00	40.16 -0.53 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	44.79 3.05 0.00	40.09 2.45 0.00	35.49 2.01 0.00	35.13 1.96 0.00	34.25 1.94 0.00	33.04 1.81 0.00	35.80 2.06 0.00	36.73 2.53 0.00	39.25 2.87 0.00	37.54 2.78 0.00	38.73 2.90 0.00	40.26 3.02 0.00	42.18 3.41 0.00	45.59 3.84 0.00	48.60 4.18 0.00	50.56 4.30 0.00	56.28 4.60 0.00	61.38 4.96 0.00	61.32 4.91 0.00	60.08 3.77 0.00	57.20 3.19 0.00	54.58 3.23 0.00	48.43 3.04 0.00	43.38 2.69 0.00
PEEKSKILL___ 23653	44.45 2.71 0.00	39.82 2.18 0.00	35.25 1.77 0.00	34.83 1.66 0.00	33.99 1.68 0.00	32.79 1.56 0.00	35.63 1.89 0.00	36.53 2.33 0.00	39.07 2.69 0.00	37.44 2.68 0.00	38.66 2.83 0.00	40.26 3.02 0.00	42.14 3.37 0.00	45.47 3.71 0.00	48.43 4.00 0.00	50.33 4.07 0.00	55.71 4.03 0.00	61.09 4.68 0.00	60.70 4.29 0.00	59.80 3.49 0.00	56.72 2.70 0.00	53.91 2.57 0.00	47.97 2.59 0.00	43.13 2.44 0.00
PGE MADISON___WINDPWR 24146	43.83 2.09 0.00	39.22 1.58 0.00	34.95 1.47 0.00	34.70 1.53 0.00	33.67 1.36 0.00	32.82 1.59 0.00	35.76 2.02 0.00	36.32 2.12 0.00	38.56 2.18 0.00	36.53 1.77 0.00	37.30 1.47 0.00	38.78 1.53 0.00	40.08 1.32 0.00	43.25 1.50 0.00	45.98 1.55 0.00	48.48 2.22 0.00	54.73 3.05 0.00	60.53 4.12 0.00	61.43 5.02 0.00	61.93 5.63 0.00	59.20 5.19 0.00	56.23 4.88 0.00	48.97 3.58 0.00	43.58 2.89 0.00



PIERCEFIELD___HYD 23852	41.91 0.17 0.00	37.87 0.23 0.00	33.65 0.17 0.00	33.37 0.20 0.00	32.41 0.10 0.00	31.32 0.09 0.00	33.77 0.03 0.00	34.13 -0.07 0.00	30.35 -0.15 5.89	27.91 -0.24 6.61	35.46 -0.29 0.09	36.95 -0.30 0.00	38.46 -0.31 0.00	41.33 -0.42 0.00	43.98 -0.44 0.00	45.47 -0.79 0.00	50.90 -0.78 0.00	55.51 -0.90 0.00	55.62 -0.79 0.00	56.13 -0.17 0.00	54.18 0.16 0.00	51.91 0.56 0.00	46.11 0.73 0.00	41.47 0.77 0.00
PINELAWN_CC_1 323563	45.88 4.13 -0.01	40.88 3.24 0.00	35.86 2.38 0.00	35.13 1.96 0.00	34.22 1.91 0.00	32.88 1.65 0.00	36.03 2.30 0.00	36.97 2.77 0.00	39.66 3.28 0.00	38.48 3.72 0.00	39.75 3.91 -0.01	41.35 4.10 -0.01	46.14 4.49 -2.88	48.16 5.01 -1.40	49.84 5.28 -0.12	52.58 5.32 -1.01	59.12 5.48 -1.97	67.41 6.37 -4.62	65.63 5.92 -3.29	60.70 4.39 0.00	56.99 2.97 0.00	53.92 2.57 0.00	48.70 3.31 0.00	44.52 3.82 -0.01
PJM_GEN_HTTP_PROXY 323702	44.78 3.05 0.00	40.12 2.48 0.00	35.45 1.97 0.00	35.03 1.86 0.00	33.53 1.84 0.62	33.56 1.72 -0.62	35.87 2.13 0.00	36.80 2.60 0.00	39.40 3.02 0.00	37.82 3.06 0.00	39.06 3.23 0.00	40.75 3.50 0.00	42.64 3.88 0.00	46.01 4.26 0.00	49.01 4.58 0.00	50.88 4.63 0.00	56.28 4.60 0.00	61.66 5.25 0.00	61.15 4.74 0.00	60.18 3.88 0.00	57.09 3.08 0.00	54.32 2.98 0.00	48.43 3.04 0.00	43.54 2.85 0.00
PJM_GEN_KEystone 24065	42.32 0.58 0.00	37.87 0.23 0.00	33.65 0.17 0.00	33.31 0.13 0.00	31.79 0.10 0.62	32.13 0.28 -0.62	34.18 0.44 0.00	34.99 0.79 0.00	37.40 1.02 0.00	35.91 1.15 0.00	37.05 1.22 0.00	38.55 1.30 0.00	40.08 1.32 0.00	43.21 1.46 0.00	45.89 1.46 0.00	47.78 1.52 0.00	53.07 1.40 0.00	58.08 1.92 0.25	58.08 1.97 0.31	57.72 1.75 0.33	54.99 1.08 0.11	52.22 0.87 0.00	46.20 0.82 0.00	41.51 0.81 0.00
PJM_GEN_NEPTUNE_PROXY 323594	45.25 3.51 -0.01	40.39 2.75 0.00	35.45 1.97 0.00	34.80 1.63 0.00	33.31 1.61 0.62	33.22 1.37 -0.62	35.66 1.92 0.00	36.63 2.43 0.00	39.25 2.87 0.00	38.03 3.27 0.00	39.25 3.41 -0.01	40.87 3.61 -0.01	45.60 3.96 -2.88	47.45 4.30 -1.40	49.07 4.62 -0.02	50.89 4.63 -0.01	56.58 4.70 -0.20	62.29 5.42 -0.46	61.73 4.97 -0.35	59.91 3.61 0.00	56.34 2.32 0.00	53.35 2.00 0.00	48.11 2.72 0.00	43.91 3.21 -0.01
PJM_GEN_VFT_PROXY 323633	44.58 2.84 0.00	39.94 2.30 0.00	35.25 1.77 0.00	34.82 1.66 0.01	33.33 1.65 0.63	33.40 1.56 -0.61	35.65 1.92 0.01	36.63 2.43 0.00	39.22 2.84 0.00	37.68 2.92 0.00	38.91 3.08 0.00	40.60 3.35 0.00	42.52 3.76 0.00	45.93 4.17 0.00	48.91 4.49 0.00	50.74 4.49 0.00	55.84 4.24 0.08	57.64 4.85 3.63	56.39 4.40 4.43	55.07 3.49 4.72	55.13 2.70 1.59	54.01 2.67 0.00	48.29 2.91 0.00	43.38 2.69 0.00
PLATSBURG_115KV_PMLD1 355749	41.20 -0.54 0.00	37.15 -0.49 0.00	33.01 -0.47 0.00	32.74 -0.43 0.00	31.83 -0.48 0.00	30.64 -0.59 0.00	32.90 -0.84 0.00	32.83 -1.37 0.00	-0.59 -1.53 35.44	-6.52 -1.49 39.78	33.81 -1.50 0.52	35.72 -1.53 0.00	37.25 -1.51 0.00	40.04 -1.71 0.00	42.70 -1.73 0.00	44.45 -1.80 0.00	50.70 -0.98 0.00	55.40 -1.02 0.00	55.68 -0.73 0.00	56.30 0.00 0.00	54.45 0.43 0.00	51.81 0.46 0.00	45.93 0.54 0.00	41.26 0.57 0.00
PLEASANTVLY___LBMP 24000	44.16 2.42 0.00	39.60 1.96 0.00	35.09 1.61 0.00	34.70 1.53 0.00	33.86 1.55 0.00	32.67 1.44 0.00	35.39 1.65 0.00	36.22 2.02 0.00	38.67 2.29 0.00	37.02 2.26 0.00	38.23 2.40 0.00	39.78 2.53 0.00	41.60 2.83 0.00	44.88 3.13 0.00	47.81 3.38 0.00	49.63 3.38 0.00	55.24 3.57 0.00	60.31 3.89 0.00	60.08 3.67 0.00	58.95 2.65 0.00	56.29 2.27 0.00	53.55 2.21 0.00	47.61 2.22 0.00	42.77 2.08 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	44.62 2.88 0.00	39.94 2.30 0.00	35.35 1.87 0.00	34.93 1.76 0.00	34.05 1.74 0.00	32.89 1.66 0.00	35.70 1.96 0.00	36.60 2.39 0.00	39.15 2.76 0.00	37.51 2.75 0.00	38.77 2.94 0.00	40.38 3.13 0.00	42.25 3.49 0.00	45.63 3.88 0.00	48.56 4.13 0.00	50.47 4.21 0.00	56.12 4.44 0.00	61.15 4.74 0.00	60.87 4.46 0.00	59.68 3.38 0.00	56.88 2.86 0.00	54.17 2.82 0.00	48.20 2.81 0.00	43.30 2.60 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	44.62 2.88 0.00	39.94 2.30 0.00	35.35 1.87 0.00	34.93 1.76 0.00	34.05 1.74 0.00	32.89 1.66 0.00	35.70 1.96 0.00	36.60 2.39 0.00	39.15 2.76 0.00	37.51 2.75 0.00	38.77 2.94 0.00	40.38 3.13 0.00	42.25 3.49 0.00	45.63 3.88 0.00	48.56 4.13 0.00	50.47 4.21 0.00	56.12 4.44 0.00	61.15 4.74 0.00	60.87 4.46 0.00	59.68 3.38 0.00	56.88 2.86 0.00	54.17 2.82 0.00	48.20 2.81 0.00	43.30 2.60 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	44.41 2.67 0.00	39.78 2.15 0.00	35.29 1.81 0.00	34.90 1.73 0.00	34.05 1.74 0.00	32.82 1.59 0.00	35.49 1.75 0.00	36.32 2.12 0.00	38.82 2.44 0.00	37.09 2.33 0.00	38.27 2.44 0.00	39.82 2.57 0.00	41.67 2.91 0.00	44.97 3.21 0.00	47.94 3.51 0.00	49.86 3.61 0.00	55.61 3.93 0.00	60.76 4.34 0.00	60.59 4.17 0.00	59.40 3.10 0.00	56.66 2.65 0.00	53.96 2.62 0.00	47.93 2.54 0.00	42.97 2.28 0.00
POLETTI___ 23519	44.79 3.05 0.00	40.09 2.45 0.00	35.42 1.94 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.95 1.72 0.00	35.83 2.09 0.00	36.77 2.57 0.00	39.36 2.98 0.00	37.79 3.02 0.00	39.06 3.22 0.00	40.71 3.46 0.00	42.60 3.84 0.00	46.01 4.26 0.00	49.00 4.58 0.00	50.88 4.63 0.00	56.43 4.75 0.00	61.38 4.96 0.00	61.04 4.63 0.00	59.79 3.49 0.00	57.04 3.02 0.00	54.38 3.03 0.00	48.47 3.09 0.00	43.58 2.89 0.00
POMONA___ESR 323819	44.45 2.71 0.00	39.82 2.18 0.00	35.25 1.77 0.00	34.83 1.66 0.00	33.99 1.68 0.00	32.79 1.56 0.00	35.63 1.89 0.00	36.53 2.33 0.00	39.07 2.69 0.00	37.40 2.64 0.00	38.63 2.80 0.00	40.26 3.02 0.00	42.10 3.33 0.00	45.47 3.71 0.00	48.38 3.95 0.00	50.28 4.02 0.00	55.71 4.03 0.00	61.09 4.68 0.00	60.70 4.29 0.00	59.80 3.49 0.00	56.72 2.70 0.00	53.91 2.57 0.00	47.93 2.54 0.00	43.13 2.44 0.00
PORT_JEFF_3 23555	45.84 4.09 -0.01	40.80 3.16 0.00	35.69 2.21 0.00	34.93 1.76 0.00	34.02 1.71 0.00	32.70 1.47 0.00	35.83 2.09 0.00	36.80 2.60 0.00	39.44 3.06 0.00	38.48 3.72 0.00	39.68 3.84 -0.01	41.20 3.95 -0.01	46.10 4.46 -2.88	48.24 5.09 -1.40	49.92 5.37 -0.12	56.57 5.23 -5.09	60.01 5.12 -3.22	69.56 5.92 -7.23	63.17 5.30 -1.45	60.18 3.88 0.00	56.45 2.43 0.00	53.46 2.11 0.00	48.51 3.13 0.00	44.40 3.70 -0.01
PORT_JEFF_4 23616	45.84 4.09 -0.01	40.80 3.16 0.00	35.69 2.21 0.00	34.93 1.76 0.00	34.02 1.71 0.00	32.70 1.47 0.00	35.83 2.09 0.00	36.80 2.60 0.00	39.44 3.06 0.00	38.48 3.72 0.00	39.68 3.84 -0.01	41.20 3.95 -0.01	46.10 4.46 -2.88	48.24 5.09 -1.40	49.92 5.37 -0.12	56.57 5.23 -5.09	60.01 5.12 -3.22	69.56 5.92 -7.23	63.17 5.30 -1.45	60.18 3.88 0.00	56.45 2.43 0.00	53.46 2.11 0.00	48.51 3.13 0.00	44.40 3.70 -0.01



PORT_JEFF_IC 23713	45.91 4.17 0.00	40.84 3.20 0.00	35.76 2.28 0.00	34.96 1.79 0.00	34.05 1.74 0.00	32.73 1.50 0.00	35.86 2.13 0.00	36.84 2.63 0.00	39.47 3.09 0.00	38.52 3.75 0.00	39.74 3.91 0.00	41.27 4.02 0.00	46.33 4.69 -2.88	48.41 5.26 -1.40	50.11 5.55 -0.13	57.07 5.32 -5.49	60.93 5.63 -3.61	70.28 5.75 -8.11	63.44 5.53 -1.50	59.62 3.32 0.00	56.45 2.43 0.00	53.71 2.36 0.00	48.79 3.40 0.00	44.52 3.83 0.00
PPL PILGRIM_ST_GT1 24216	46.13 4.38 -0.01	41.10 3.46 0.00	35.99 2.51 0.00	35.23 2.06 0.00	34.35 2.04 0.00	32.98 1.75 0.00	36.17 2.43 0.00	37.11 2.91 0.00	39.80 3.42 0.00	38.69 3.93 0.00	39.92 4.08 -0.01	41.54 4.28 -0.01	46.37 4.73 -2.88	48.45 5.30 -1.40	49.97 5.46 -0.08	57.99 5.50 -6.23	58.59 5.48 -1.44	66.11 6.37 -3.33	63.92 5.76 -1.75	60.58 4.28 0.00	56.96 2.91 -0.03	53.89 2.52 -0.03	48.88 3.49 0.00	44.73 4.03 -0.01
PPL PILGRIM_ST_GT2 24217	46.13 4.38 -0.01	41.10 3.46 0.00	35.99 2.51 0.00	35.23 2.06 0.00	34.35 2.04 0.00	32.98 1.75 0.00	36.17 2.43 0.00	37.11 2.91 0.00	39.80 3.42 0.00	38.69 3.93 0.00	39.92 4.08 -0.01	41.54 4.28 -0.01	46.37 4.73 -2.88	48.45 5.30 -1.40	49.97 5.46 -0.08	57.99 5.50 -6.23	58.59 5.48 -1.44	66.11 6.37 -3.33	63.92 5.76 -1.75	60.58 4.28 0.00	56.96 2.91 -0.03	53.89 2.52 -0.03	48.88 3.49 0.00	44.73 4.03 -0.01
PPL_SHRM_GT3 24213	45.51 3.76 -0.01	40.42 2.79 0.00	35.32 1.84 0.00	34.53 1.36 0.00	33.64 1.33 0.00	32.29 1.06 0.00	35.43 1.69 0.00	36.36 2.16 0.00	39.00 2.62 0.00	38.34 3.58 0.00	39.35 3.51 -0.01	40.72 3.46 -0.01	45.83 4.19 -2.88	48.24 5.09 -1.40	50.19 5.64 -0.12	57.06 5.64 -5.17	60.54 5.58 -3.28	70.33 6.54 -7.37	63.31 5.42 -1.48	60.18 3.88 0.00	56.24 2.22 0.00	53.20 1.85 0.00	48.20 2.81 0.00	44.16 3.46 -0.01
PPL_SHRM_GT4 24214	45.51 3.76 -0.01	40.42 2.79 0.00	35.32 1.84 0.00	34.53 1.36 0.00	33.64 1.33 0.00	32.29 1.06 0.00	35.43 1.69 0.00	36.36 2.16 0.00	39.00 2.62 0.00	38.34 3.58 0.00	39.35 3.51 -0.01	40.72 3.46 -0.01	45.83 4.19 -2.88	48.24 5.09 -1.40	50.19 5.64 -0.12	57.06 5.64 -5.17	60.54 5.58 -3.28	70.33 6.54 -7.37	63.31 5.42 -1.48	60.18 3.88 0.00	56.24 2.22 0.00	53.20 1.85 0.00	48.20 2.81 0.00	44.16 3.46 -0.01
PROJECT___ORANGE 1 24174	41.32 -0.42 0.00	37.30 -0.34 0.00	33.21 -0.27 0.00	32.91 -0.27 0.00	32.02 -0.29 0.00	31.04 -0.19 0.00	33.67 -0.07 0.00	34.10 -0.10 0.00	36.27 -0.11 0.00	34.73 -0.03 0.00	35.80 -0.04 0.00	37.21 -0.04 0.00	38.61 -0.16 0.00	41.58 -0.17 0.00	44.25 -0.18 0.00	46.16 -0.09 0.00	51.52 -0.16 0.00	56.47 0.06 0.00	56.64 0.23 0.00	56.47 0.17 0.00	54.02 0.00 0.00	51.24 -0.10 0.00	45.11 -0.27 0.00	40.37 -0.33 0.00
PROJECT___ORANGE 2 24166	41.32 -0.42 0.00	37.30 -0.34 0.00	33.21 -0.27 0.00	32.91 -0.27 0.00	32.02 -0.29 0.00	31.04 -0.19 0.00	33.67 -0.07 0.00	34.10 -0.10 0.00	36.27 -0.11 0.00	34.73 -0.03 0.00	35.80 -0.04 0.00	37.21 -0.04 0.00	38.61 -0.16 0.00	41.58 -0.17 0.00	44.25 -0.18 0.00	46.16 -0.09 0.00	51.52 -0.16 0.00	56.47 0.06 0.00	56.64 0.23 0.00	56.47 0.17 0.00	54.02 0.00 0.00	51.24 -0.10 0.00	45.11 -0.27 0.00	40.37 -0.33 0.00
PUCKETT___SOLAR 323809	42.37 0.63 0.00	38.02 0.38 0.00	33.88 0.40 0.00	33.60 0.43 0.00	32.70 0.39 0.00	31.73 0.50 0.00	34.48 0.74 0.00	35.06 0.86 0.00	37.25 0.87 0.00	35.53 0.76 0.00	36.51 0.68 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.34 0.58 0.00	45.05 0.62 0.00	47.13 0.88 0.00	52.77 1.09 0.00	58.17 1.75 0.00	58.56 2.14 0.00	58.72 2.42 0.00	56.02 2.00 0.00	53.14 1.80 0.00	46.65 1.27 0.00	41.71 1.02 0.00
PYRITES___HYD 24023	42.49 0.75 0.00	38.39 0.75 0.00	34.08 0.60 0.00	33.80 0.63 0.00	32.79 0.48 0.00	31.73 0.50 0.00	34.21 0.47 0.00	34.54 0.34 0.00	31.35 0.22 5.25	28.90 0.03 5.90	35.72 -0.04 0.08	37.21 -0.04 0.00	38.73 -0.04 0.00	41.58 -0.17 0.00	44.25 -0.18 0.00	45.84 -0.42 0.00	51.47 -0.21 0.00	56.19 -0.23 0.00	56.47 0.06 0.00	57.15 0.84 0.00	55.21 1.19 0.00	52.83 1.49 0.00	46.79 1.41 0.00	41.99 1.30 0.00
QUAKERRD_115KV_BK1 80622	40.24 -1.50 0.00	36.10 -1.54 0.00	32.21 -1.27 0.00	31.95 -1.23 0.00	30.99 -1.32 0.00	30.17 -1.06 0.00	32.69 -1.05 0.00	33.11 -1.09 0.00	35.33 -1.06 0.00	34.00 -0.76 0.00	35.04 -0.79 0.00	36.43 -0.82 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	43.01 -1.42 0.00	44.87 -1.39 0.00	49.92 -1.76 0.00	55.06 -1.35 0.00	55.40 -1.02 0.00	55.40 -0.90 0.00	53.04 -0.97 0.00	50.06 -1.28 0.00	43.98 -1.41 0.00	39.59 -1.10 0.00
QUENSBRY_115KV_TB8 356137	44.29 2.55 0.00	39.78 2.15 0.00	35.19 1.71 0.00	34.73 1.56 0.00	33.86 1.55 0.00	32.82 1.59 0.00	35.49 1.75 0.00	35.95 1.74 0.00	38.13 1.75 0.00	36.26 1.49 0.00	36.94 1.11 0.00	38.44 1.19 0.00	39.93 1.16 0.00	42.92 1.17 0.00	45.76 1.33 0.00	47.74 1.48 0.00	53.90 2.22 0.00	59.24 2.82 0.00	59.69 3.27 0.00	59.40 3.10 0.00	56.50 2.48 0.00	54.02 2.67 0.00	47.70 2.31 0.00	42.56 1.87 0.00
RAMAPO___LBMP 323565	44.29 2.55 0.00	39.67 2.03 0.00	35.12 1.64 0.00	34.73 1.56 0.00	33.86 1.55 0.00	32.70 1.47 0.00	35.53 1.79 0.00	36.43 2.22 0.00	38.93 2.55 0.00	37.30 2.54 0.00	38.52 2.69 0.00	40.12 2.87 0.00	41.94 3.18 0.00	45.30 3.55 0.00	48.21 3.78 0.00	50.00 3.75 0.00	55.66 3.98 0.00	60.70 4.29 0.00	60.42 4.01 0.00	59.23 2.93 0.00	56.50 2.48 0.00	53.81 2.46 0.00	47.88 2.50 0.00	43.01 2.32 0.00
RANKINE____ 23646	40.49 -1.25 0.00	35.98 -1.66 0.00	32.24 -1.24 0.00	32.05 -1.13 0.00	30.99 -1.32 0.00	30.39 -0.84 0.00	32.66 -1.08 0.00	33.21 -0.99 0.00	35.54 -0.84 0.00	34.35 -0.42 0.00	35.40 -0.43 0.00	36.84 -0.41 0.00	37.83 -0.93 0.00	40.71 -1.04 0.00	43.01 -1.42 0.00	44.96 -1.30 0.00	49.77 -1.91 0.00	55.17 -1.24 0.00	55.91 -0.51 0.00	56.02 -0.28 0.00	53.53 -0.49 0.00	50.37 -0.98 0.00	44.25 -1.13 0.00	40.24 -0.45 0.00
RAVENSWOOD_GT2_1 24244	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.90 2.16 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.05 4.30 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.10 3.08 0.00	54.43 3.08 0.00	48.56 3.18 0.00	43.62 2.93 0.00
RAVENSWOOD_GT2_2 24245	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.90 2.16 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.05 4.30 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.10 3.08 0.00	54.43 3.08 0.00	48.56 3.18 0.00	43.62 2.93 0.00



RAVENSWOOD_GT2_3 24246	44.87 3.13 0.00	40.20 2.56 0.00	35.52 2.04 0.00	35.06 1.89 0.00	34.18 1.87 0.00	33.01 1.78 0.00	35.90 2.16 0.00	36.87 2.67 0.00	39.44 3.06 0.00	37.86 3.09 0.00	39.13 3.30 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.09 4.34 0.00	49.09 4.67 0.00	50.97 4.72 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.21 4.80 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.66 2.97 0.00
RAVENSWOOD_GT2_4 24247	44.87 3.13 0.00	40.20 2.56 0.00	35.52 2.04 0.00	35.06 1.89 0.00	34.18 1.87 0.00	33.01 1.78 0.00	35.90 2.16 0.00	36.87 2.67 0.00	39.44 3.06 0.00	37.86 3.09 0.00	39.13 3.30 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.09 4.34 0.00	49.09 4.67 0.00	50.97 4.72 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.21 4.80 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.66 2.97 0.00
RAVENSWOOD_GT3_1 24248	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.90 2.16 0.00	36.84 2.63 0.00	39.44 3.06 0.00	37.86 3.09 0.00	39.13 3.30 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.62 2.93 0.00
RAVENSWOOD_GT3_2 24249	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.90 2.16 0.00	36.84 2.63 0.00	39.44 3.06 0.00	37.86 3.09 0.00	39.13 3.30 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.62 2.93 0.00
RAVENSWOOD_GT3_3 24250	44.91 3.17 0.00	40.24 2.60 0.00	35.55 2.08 0.00	35.10 1.92 0.00	34.22 1.91 0.00	33.04 1.81 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.47 3.09 0.00	37.93 3.16 0.00	39.16 3.33 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.14 4.38 0.00	49.14 4.71 0.00	51.02 4.76 0.00	56.64 4.96 0.00	61.60 5.19 0.00	61.27 4.85 0.00	60.02 3.72 0.00	57.26 3.24 0.00	54.53 3.18 0.00	48.61 3.22 0.00	43.70 3.01 0.00
RAVENSWOOD_GT3_4 24251	44.91 3.17 0.00	40.24 2.60 0.00	35.55 2.08 0.00	35.10 1.92 0.00	34.22 1.91 0.00	33.04 1.81 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.47 3.09 0.00	37.93 3.16 0.00	39.16 3.33 0.00	40.86 3.61 0.00	42.76 3.99 0.00	46.14 4.38 0.00	49.14 4.71 0.00	51.02 4.76 0.00	56.64 4.96 0.00	61.60 5.19 0.00	61.27 4.85 0.00	60.02 3.72 0.00	57.26 3.24 0.00	54.53 3.18 0.00	48.61 3.22 0.00	43.70 3.01 0.00
RAVENSWOOD_GT_1 23729	45.00 3.26 0.00	40.31 2.67 0.00	35.66 2.18 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.07 1.84 0.00	36.03 2.29 0.00	37.02 2.80 -0.01	39.62 3.24 0.00	38.04 3.27 -0.01	39.32 3.48 -0.01	40.98 3.72 -0.01	42.88 4.11 -0.01	46.31 4.55 -0.01	49.28 4.84 -0.01	51.17 4.90 -0.01	56.79 5.12 0.00	61.60 5.19 0.00	61.21 4.80 0.00	59.91 3.60 0.00	57.20 3.19 0.00	54.58 3.23 0.00	48.70 3.31 0.00	43.79 3.09 0.00
RAVENSWOOD_GT_10 24258	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.05 4.30 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.62 2.93 0.00
RAVENSWOOD_GT_11 24259	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.05 4.30 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.62 2.93 0.00
RAVENSWOOD_GT_4 24252	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.83 2.63 0.01	39.40 3.02 0.00	37.82 3.06 0.01	39.09 3.26 0.01	40.74 3.50 0.01	42.64 3.88 0.01	46.05 4.30 0.01	49.00 4.58 0.01	50.88 4.63 0.01	56.48 4.81 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.52 3.13 0.00	43.62 2.93 0.00
RAVENSWOOD_GT_5 24254	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.83 2.63 0.01	39.40 3.02 0.00	37.82 3.06 0.01	39.09 3.26 0.01	40.74 3.50 0.01	42.64 3.88 0.01	46.05 4.30 0.01	49.00 4.58 0.01	50.88 4.63 0.01	56.48 4.81 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.52 3.13 0.00	43.62 2.93 0.00
RAVENSWOOD_GT_6 24253	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.83 2.63 0.01	39.40 3.02 0.00	37.82 3.06 0.01	39.09 3.26 0.01	40.74 3.50 0.01	42.64 3.88 0.01	46.05 4.30 0.01	49.00 4.58 0.01	50.88 4.63 0.01	56.48 4.81 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.52 3.13 0.00	43.62 2.93 0.00
RAVENSWOOD_GT_7 24255	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.03 1.86 0.00	34.15 1.84 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.83 2.63 0.01	39.40 3.02 0.00	37.82 3.06 0.01	39.09 3.26 0.01	40.74 3.50 0.01	42.64 3.88 0.01	46.05 4.30 0.01	49.00 4.58 0.01	50.88 4.63 0.01	56.48 4.81 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.52 3.13 0.00	43.62 2.93 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.05 4.30 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.62 2.93 0.00
RAVENSWOOD_GT_9 24257	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.86 2.13 0.00	36.84 2.63 0.00	39.40 3.02 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.92 0.00	46.05 4.30 0.00	49.05 4.62 0.00	50.93 4.67 0.00	56.54 4.86 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.91 3.60 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.56 3.18 0.00	43.62 2.93 0.00



RAVENSWOOD___1 23533	44.95 3.21 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.20 2.02 0.00	34.28 1.97 0.00	33.04 1.81 0.00	36.03 2.30 0.00	37.02 2.81 -0.01	39.58 3.20 0.00	38.00 3.23 -0.01	39.28 3.44 -0.01	40.94 3.69 -0.01	42.84 4.07 -0.01	46.27 4.51 -0.01	49.24 4.80 -0.01	51.17 4.90 -0.01	56.49 4.81 0.00	61.78 5.36 0.00	61.27 4.85 0.00	60.24 3.94 0.00	57.15 3.13 0.00	54.37 3.03 0.00	48.61 3.22 0.00	43.70 3.01 0.00
RAVENSWOOD___2 23534	44.91 3.17 0.00	40.27 2.63 0.00	35.62 2.14 0.00	35.16 1.99 0.00	34.25 1.94 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.54 3.16 0.00	38.00 3.23 -0.01	39.25 3.41 -0.01	40.94 3.69 -0.01	42.84 4.07 -0.01	46.27 4.51 -0.01	49.24 4.80 -0.01	51.12 4.86 -0.01	56.49 4.81 0.00	61.72 5.30 0.00	61.21 4.79 0.00	60.24 3.94 0.00	57.09 3.08 0.00	54.37 3.03 0.00	48.61 3.22 0.00	43.70 3.01 0.00
RAVENSWOOD___3 23535	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	32.98 1.75 0.00	35.90 2.16 0.00	36.84 2.63 0.00	39.44 3.06 0.00	37.86 3.09 0.00	39.09 3.26 0.00	40.79 3.54 0.00	42.68 3.91 0.00	46.09 4.34 0.00	49.05 4.62 0.00	50.98 4.72 0.00	56.33 4.65 0.00	61.66 5.25 0.00	61.21 4.79 0.00	60.24 3.94 0.00	57.09 3.08 0.00	54.37 3.03 0.00	48.47 3.09 0.00	43.58 2.89 0.00
RAVENSWOOD___4 23820	44.91 3.17 0.00	40.27 2.63 0.00	35.59 2.11 0.00	35.16 1.99 0.00	34.25 1.94 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 -0.01	39.54 3.16 0.00	37.97 3.20 -0.01	39.24 3.41 -0.01	40.91 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.76 -0.01	51.12 4.86 -0.01	56.43 4.75 0.00	61.72 5.30 0.00	61.21 4.79 0.00	60.18 3.88 0.00	57.09 3.08 0.00	54.37 3.03 0.00	48.56 3.18 0.00	43.66 2.97 0.00
RCPL_TRUST___DRP 24196	44.87 3.13 0.00	40.20 2.56 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.18 1.87 0.00	33.01 1.78 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.47 3.09 0.00	37.89 3.13 0.00	39.16 3.33 0.00	40.82 3.58 0.00	42.72 3.95 0.00	46.14 4.38 0.00	49.14 4.71 0.00	50.97 4.72 0.00	56.64 4.96 0.00	61.60 5.19 0.00	61.27 4.85 0.00	60.02 3.72 0.00	57.20 3.19 0.00	54.53 3.18 0.00	48.61 3.22 0.00	43.66 2.97 0.00
RED___ROCHESTER 323720	41.45 -0.29 0.00	37.04 -0.60 0.00	33.04 -0.44 0.00	32.78 -0.40 0.00	31.73 -0.58 0.00	30.98 -0.25 0.00	33.57 -0.17 0.00	34.03 -0.17 0.00	36.34 -0.04 0.00	35.01 0.25 0.00	36.15 0.32 0.00	37.58 0.33 0.00	38.73 -0.04 0.00	41.63 -0.12 0.00	44.16 -0.26 0.00	46.12 -0.14 0.00	51.58 -0.10 0.00	56.70 0.28 0.00	57.04 0.62 0.00	57.43 1.13 0.00	54.67 0.65 0.00	51.71 0.36 0.00	45.39 0.00 0.00	40.73 0.04 0.00
REGAN___SOLAR 323812	45.41 3.67 0.00	40.73 3.09 0.00	36.09 2.61 0.00	35.69 2.52 0.00	34.76 2.45 0.00	33.73 2.50 0.00	36.44 2.70 0.00	36.84 2.63 0.00	38.82 2.44 0.00	36.85 2.09 0.00	37.80 1.97 0.00	39.18 1.94 0.00	40.70 1.94 0.00	43.84 2.09 0.00	46.78 2.35 0.00	48.89 2.64 0.00	54.67 3.00 0.00	60.30 3.89 0.00	60.98 4.57 0.00	61.37 5.07 0.00	58.39 4.37 0.00	55.71 4.36 0.00	49.24 3.86 0.00	43.87 3.18 0.00
RENSSELAER___COGEN 23796	43.11 1.38 0.00	38.81 1.17 0.00	34.52 1.04 0.00	34.14 0.96 0.00	33.31 1.00 0.00	32.17 0.94 0.00	34.48 0.74 0.00	35.06 0.86 0.00	37.29 0.91 0.00	35.56 0.80 0.00	36.62 0.79 0.00	38.10 0.86 0.00	39.66 0.89 0.00	42.71 0.96 0.00	45.32 0.89 0.00	47.09 0.83 0.00	52.45 0.78 0.00	57.60 1.19 0.00	57.48 1.07 0.00	56.98 0.68 0.00	54.23 0.22 0.00	51.60 0.26 0.00	45.75 0.36 0.00	40.98 0.29 0.00
REPUBLIC_115KV_BARTNBRK 55605	46.75 5.01 0.00	41.78 4.14 0.00	36.79 3.31 0.00	36.29 3.12 0.00	35.31 3.00 0.00	34.42 3.19 0.00	37.25 3.51 0.00	37.59 3.39 0.00	39.76 3.38 0.00	37.68 2.92 0.00	38.27 2.44 0.00	39.97 2.72 0.00	41.40 2.64 0.00	44.47 2.71 0.00	47.45 3.02 0.00	49.68 3.42 0.00	56.12 4.44 0.00	62.00 5.59 0.00	62.23 5.81 0.00	62.21 5.91 0.00	58.99 4.97 0.00	56.58 5.24 0.00	49.88 4.49 0.00	44.31 3.62 0.00
REVERE_CPPR_DRP 24186	43.12 1.38 0.00	38.77 1.13 0.00	34.48 1.00 0.00	34.20 1.03 0.00	33.25 0.94 0.00	32.26 1.03 0.00	34.95 1.21 0.00	35.43 1.23 0.00	37.19 1.31 0.50	35.28 1.08 0.56	36.76 0.93 0.01	38.22 0.97 0.00	39.62 0.85 0.00	42.71 0.96 0.00	45.36 0.93 0.00	47.46 1.20 0.00	53.28 1.60 0.00	58.50 2.09 0.00	58.84 2.43 0.00	58.89 2.59 0.00	56.50 2.48 0.00	53.71 2.36 0.00	47.11 1.72 0.00	42.04 1.34 0.00
REYNLDPA_13_KV_LD 356490	41.70 -0.04 0.00	37.68 0.04 0.00	33.45 -0.03 0.00	33.17 0.00 0.00	32.25 -0.06 0.00	31.14 -0.09 0.00	33.57 -0.17 0.00	33.96 -0.24 0.00	36.09 -0.29 0.00	34.45 -0.31 0.00	35.55 -0.29 0.00	36.95 -0.30 0.00	38.49 -0.27 0.00	41.38 -0.38 0.00	44.12 -0.31 0.00	45.79 -0.46 0.00	51.47 -0.21 0.00	55.96 -0.45 0.00	55.96 -0.45 0.00	56.25 -0.06 0.00	54.23 0.22 0.00	51.60 0.26 0.00	45.70 0.32 0.00	41.06 0.37 0.00
REYNOLDS_115KV_TB3 80639	43.37 1.63 0.00	39.03 1.39 0.00	34.68 1.21 0.00	34.30 1.13 0.00	33.47 1.16 0.00	32.32 1.09 0.00	34.75 1.01 0.00	35.33 1.13 0.00	37.55 1.16 0.00	35.84 1.08 0.00	36.94 1.11 0.00	38.36 1.12 0.00	40.01 1.24 0.00	43.09 1.34 0.00	45.81 1.38 0.00	47.60 1.34 0.00	53.13 1.45 0.00	58.11 1.69 0.00	58.11 1.69 0.00	57.37 1.07 0.00	54.83 0.81 0.00	52.17 0.82 0.00	46.25 0.86 0.00	41.43 0.73 0.00
RIVERBAY____ 323610	45.59 3.84 -0.01	40.85 3.20 -0.01	36.13 2.64 -0.01	35.67 2.49 -0.01	34.70 2.39 0.00	33.39 2.15 0.00	36.37 2.63 0.00	37.32 3.11 -0.01	39.87 3.49 0.00	38.21 3.44 -0.01	39.46 3.62 -0.01	41.09 3.84 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.46 5.02 -0.01	51.40 5.13 -0.01	57.22 5.53 -0.01	62.01 5.59 -0.01	61.72 5.30 0.00	60.42 4.11 -0.01	57.70 3.67 -0.01	55.05 3.70 -0.01	49.16 3.77 -0.01	44.20 3.50 -0.01
RIVERSDE_115KV_TB3 55908	43.33 1.59 0.00	38.96 1.32 0.00	34.62 1.14 0.00	34.23 1.06 0.00	33.44 1.13 0.00	32.29 1.06 0.00	34.65 0.91 0.00	35.23 1.03 0.00	37.44 1.06 0.00	35.74 0.97 0.00	36.84 1.00 0.00	38.25 1.01 0.00	39.85 1.09 0.00	42.92 1.17 0.00	45.63 1.20 0.00	47.46 1.20 0.00	52.92 1.24 0.00	57.88 1.47 0.00	57.88 1.47 0.00	57.20 0.90 0.00	54.61 0.59 0.00	52.01 0.67 0.00	46.07 0.68 0.00	41.26 0.57 0.00
ROARING___BROOK_WT_PWR 323790	40.86 -0.88 0.00	36.89 -0.75 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.70 -0.61 0.00	30.64 -0.59 0.00	33.10 -0.64 0.00	33.59 -0.61 0.00	35.76 -0.62 0.00	34.14 -0.62 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	38.07 -0.70 0.00	41.00 -0.75 0.00	43.67 -0.76 0.00	45.47 -0.79 0.00	50.85 -0.83 0.00	55.51 -0.90 0.00	55.62 -0.79 0.00	55.57 -0.73 0.00	53.42 -0.59 0.00	50.78 -0.56 0.00	44.89 -0.50 0.00	40.29 -0.41 0.00



ROCHESRG_115KV_T4 355643	40.90 -0.83 0.00	36.66 -0.98 0.00	32.71 -0.77 0.00	32.44 -0.73 0.00	31.44 -0.87 0.00	30.67 -0.56 0.00	33.20 -0.54 0.00	33.62 -0.58 0.00	35.91 -0.47 0.00	34.59 -0.17 0.00	35.65 -0.18 0.00	37.06 -0.19 0.00	38.22 -0.54 0.00	41.13 -0.63 0.00	43.63 -0.80 0.00	45.56 -0.69 0.00	50.64 -1.03 0.00	55.85 -0.56 0.00	56.25 -0.17 0.00	56.25 -0.06 0.00	53.85 -0.16 0.00	50.78 -0.56 0.00	44.61 -0.77 0.00	40.24 -0.45 0.00
ROCHESTER_9_IC 23652	41.20 -0.54 0.00	36.89 -0.75 0.00	32.91 -0.57 0.00	32.64 -0.53 0.00	31.63 -0.68 0.00	30.86 -0.37 0.00	33.40 -0.34 0.00	33.86 -0.34 0.00	36.20 -0.18 0.00	34.83 0.07 0.00	35.94 0.11 0.00	37.40 0.15 0.00	38.49 -0.27 0.00	41.42 -0.33 0.00	43.90 -0.53 0.00	45.84 -0.42 0.00	50.95 -0.72 0.00	56.25 -0.17 0.00	56.64 0.23 0.00	56.70 0.39 0.00	54.29 0.27 0.00	51.14 -0.21 0.00	44.93 -0.45 0.00	40.49 -0.20 0.00
ROCKVIEW_13_KV_LD 356306	44.83 3.09 0.00	40.16 2.52 0.00	35.49 2.01 0.00	35.06 1.89 0.00	34.18 1.87 0.00	33.01 1.78 0.00	35.86 2.13 0.00	36.80 2.60 0.00	39.36 2.98 0.00	37.79 3.02 0.00	39.06 3.22 0.00	40.67 3.43 0.00	42.56 3.80 0.00	45.97 4.22 0.00	48.96 4.53 0.00	50.84 4.58 0.00	56.54 4.86 0.00	61.55 5.13 0.00	61.27 4.85 0.00	60.02 3.72 0.00	57.20 3.19 0.00	54.48 3.13 0.00	48.52 3.13 0.00	43.58 2.89 0.00
ROME____115KV_TB2 80656	43.12 1.38 0.00	38.77 1.13 0.00	34.48 1.00 0.00	34.20 1.03 0.00	33.25 0.94 0.00	32.26 1.03 0.00	34.95 1.21 0.00	35.43 1.23 0.00	37.19 1.31 0.50	35.28 1.08 0.56	36.76 0.93 0.01	38.22 0.97 0.00	39.62 0.85 0.00	42.71 0.96 0.00	45.36 0.93 0.00	47.46 1.20 0.00	53.28 1.60 0.00	58.50 2.09 0.00	58.84 2.43 0.00	58.89 2.59 0.00	56.50 2.48 0.00	53.71 2.36 0.00	47.11 1.72 0.00	42.04 1.34 0.00
ROSETON___1 23587	44.12 2.38 0.00	39.56 1.92 0.00	35.05 1.57 0.00	34.67 1.49 0.00	33.83 1.52 0.00	32.64 1.41 0.00	35.36 1.62 0.00	36.22 2.02 0.00	38.67 2.29 0.00	37.02 2.26 0.00	38.20 2.36 0.00	39.78 2.53 0.00	41.59 2.83 0.00	44.88 3.13 0.00	47.80 3.37 0.00	49.68 3.42 0.00	55.09 3.41 0.00	60.42 4.01 0.00	60.14 3.72 0.00	59.29 2.98 0.00	56.29 2.27 0.00	53.50 2.16 0.00	47.56 2.18 0.00	42.73 2.03 0.00
ROSETON___2 23588	44.12 2.38 0.00	39.56 1.92 0.00	35.05 1.57 0.00	34.67 1.49 0.00	33.83 1.52 0.00	32.64 1.41 0.00	35.36 1.62 0.00	36.22 2.02 0.00	38.67 2.29 0.00	37.02 2.26 0.00	38.20 2.36 0.00	39.78 2.53 0.00	41.59 2.83 0.00	44.88 3.13 0.00	47.80 3.37 0.00	49.68 3.42 0.00	55.09 3.41 0.00	60.42 4.01 0.00	60.14 3.72 0.00	59.29 2.98 0.00	56.29 2.27 0.00	53.50 2.16 0.00	47.56 2.18 0.00	42.73 2.03 0.00
ROTRRDAM_115KV_TB3 80664	43.28 1.54 0.00	38.92 1.28 0.00	34.58 1.10 0.00	34.23 1.06 0.00	33.38 1.07 0.00	32.23 1.00 0.00	34.79 1.05 0.00	35.33 1.13 0.00	37.55 1.16 0.00	35.81 1.04 0.00	36.87 1.04 0.00	38.29 1.04 0.00	39.93 1.16 0.00	43.00 1.25 0.00	45.81 1.38 0.00	47.69 1.43 0.00	53.28 1.60 0.00	58.33 1.92 0.00	58.45 2.03 0.00	58.05 1.75 0.00	55.48 1.46 0.00	52.83 1.49 0.00	46.75 1.36 0.00	41.87 1.18 0.00
RUSSELL___1 23602	41.36 -0.38 0.00	37.04 -0.60 0.00	33.04 -0.44 0.00	32.78 -0.40 0.00	31.73 -0.58 0.00	30.98 -0.25 0.00	33.57 -0.17 0.00	34.03 -0.17 0.00	36.34 -0.04 0.00	35.01 0.24 0.00	36.12 0.29 0.00	37.58 0.34 0.00	38.73 -0.04 0.00	41.63 -0.13 0.00	44.16 -0.27 0.00	46.12 -0.14 0.00	51.32 -0.36 0.00	56.64 0.23 0.00	57.04 0.62 0.00	57.09 0.79 0.00	54.67 0.65 0.00	51.50 0.15 0.00	45.20 -0.18 0.00	40.73 0.04 0.00
RUSSELL___2 23532	41.36 -0.38 0.00	37.04 -0.60 0.00	33.04 -0.44 0.00	32.78 -0.40 0.00	31.73 -0.58 0.00	30.98 -0.25 0.00	33.57 -0.17 0.00	34.03 -0.17 0.00	36.34 -0.04 0.00	35.01 0.24 0.00	36.12 0.29 0.00	37.58 0.34 0.00	38.73 -0.04 0.00	41.63 -0.13 0.00	44.16 -0.27 0.00	46.12 -0.14 0.00	51.32 -0.36 0.00	56.64 0.23 0.00	57.04 0.62 0.00	57.09 0.79 0.00	54.67 0.65 0.00	51.50 0.15 0.00	45.20 -0.18 0.00	40.73 0.04 0.00
RUSSELL___3 23549	41.36 -0.38 0.00	37.04 -0.60 0.00	33.04 -0.44 0.00	32.78 -0.40 0.00	31.73 -0.58 0.00	30.98 -0.25 0.00	33.57 -0.17 0.00	34.03 -0.17 0.00	36.34 -0.04 0.00	35.01 0.24 0.00	36.12 0.29 0.00	37.58 0.34 0.00	38.73 -0.04 0.00	41.63 -0.13 0.00	44.16 -0.27 0.00	46.12 -0.14 0.00	51.32 -0.36 0.00	56.64 0.23 0.00	57.04 0.62 0.00	57.09 0.79 0.00	54.67 0.65 0.00	51.50 0.15 0.00	45.20 -0.18 0.00	40.73 0.04 0.00
RUSSELL___4 23556	41.36 -0.38 0.00	37.04 -0.60 0.00	33.04 -0.44 0.00	32.78 -0.40 0.00	31.73 -0.58 0.00	30.98 -0.25 0.00	33.57 -0.17 0.00	34.03 -0.17 0.00	36.34 -0.04 0.00	35.01 0.24 0.00	36.12 0.29 0.00	37.58 0.34 0.00	38.73 -0.04 0.00	41.63 -0.13 0.00	44.16 -0.27 0.00	46.12 -0.14 0.00	51.32 -0.36 0.00	56.64 0.23 0.00	57.04 0.62 0.00	57.09 0.79 0.00	54.67 0.65 0.00	51.50 0.15 0.00	45.20 -0.18 0.00	40.73 0.04 0.00
RUSSELL___STATION 23914	41.36 -0.38 0.00	37.04 -0.60 0.00	33.04 -0.44 0.00	32.78 -0.40 0.00	31.73 -0.58 0.00	30.98 -0.25 0.00	33.57 -0.17 0.00	34.03 -0.17 0.00	36.34 -0.04 0.00	35.01 0.24 0.00	36.12 0.29 0.00	37.58 0.34 0.00	38.73 -0.04 0.00	41.63 -0.13 0.00	44.16 -0.27 0.00	46.12 -0.14 0.00	51.32 -0.36 0.00	56.64 0.23 0.00	57.04 0.62 0.00	57.09 0.79 0.00	54.67 0.65 0.00	51.50 0.15 0.00	45.20 -0.18 0.00	40.73 0.04 0.00
S SALMON___HYD 24043	41.57 -0.17 0.00	37.53 -0.11 0.00	33.41 -0.07 0.00	33.11 -0.07 0.00	32.21 -0.10 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.13 -0.07 0.00	35.69 -0.11 0.58	33.98 -0.14 0.65	35.65 -0.18 0.01	37.06 -0.19 0.00	38.42 -0.35 0.00	41.33 -0.42 0.00	43.98 -0.44 0.00	45.93 -0.32 0.00	51.52 -0.15 0.00	56.41 0.00 0.00	56.58 0.17 0.00	56.81 0.51 0.00	54.34 0.33 0.00	51.75 0.41 0.00	45.52 0.14 0.00	40.65 -0.04 0.00
S.PERRY__115KV_TB1 80734	42.62 0.88 0.00	38.05 0.41 0.00	34.05 0.57 0.00	33.80 0.63 0.00	32.76 0.45 0.00	32.07 0.84 0.00	34.95 1.21 0.00	35.43 1.23 0.00	37.47 1.09 0.00	35.84 1.08 0.00	36.84 1.00 0.00	38.29 1.04 0.00	39.42 0.66 0.00	42.38 0.63 0.00	44.03 -0.40 0.00	46.03 -0.23 0.00	51.32 -0.36 0.00	57.04 0.62 0.00	58.16 1.75 0.00	58.89 2.59 0.00	56.56 2.54 0.00	53.35 2.00 0.00	46.57 1.18 0.00	41.83 1.14 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	40.32 -1.42 0.00	35.91 -1.73 0.00	32.11 -1.37 0.00	31.91 -1.26 0.00	30.86 -1.45 0.00	30.26 -0.97 0.00	32.49 -1.25 0.00	32.97 -1.23 0.00	35.33 -1.06 0.00	34.14 -0.63 0.00	35.15 -0.68 0.00	36.61 -0.63 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.74 -1.69 0.00	44.68 -1.57 0.00	49.40 -2.27 0.00	54.72 -1.69 0.00	55.46 -0.96 0.00	55.46 -0.84 0.00	53.04 -0.97 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	39.92 -0.77 0.00



SAWYER___23_KV_LOAD 55526	40.32 -1.42 0.00	35.91 -1.73 0.00	32.11 -1.37 0.00	31.91 -1.26 0.00	30.86 -1.45 0.00	30.26 -0.97 0.00	32.49 -1.25 0.00	32.97 -1.23 0.00	35.33 -1.06 0.00	34.14 -0.63 0.00	35.15 -0.68 0.00	36.61 -0.63 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.74 -1.69 0.00	44.68 -1.57 0.00	49.40 -2.27 0.00	54.72 -1.69 0.00	55.46 -0.96 0.00	55.46 -0.84 0.00	53.04 -0.97 0.00	49.91 -1.44 0.00	43.84 -1.54 0.00	39.92 -0.77 0.00
SELKIRK___I 23801	43.24 1.50 0.00	38.92 1.28 0.00	34.62 1.14 0.00	34.27 1.09 0.00	33.44 1.13 0.00	32.26 1.03 0.00	34.61 0.88 0.00	35.13 0.92 0.00	37.29 0.91 0.00	35.53 0.76 0.00	36.59 0.75 0.00	38.03 0.78 0.00	39.58 0.82 0.00	42.63 0.88 0.00	42.47 0.71 2.67	46.10 -0.14 0.02	46.80 -0.26 4.62	50.45 0.06 6.02	56.51 0.11 0.02	53.49 -0.11 2.70	48.40 -0.49 5.13	50.97 -0.36 0.02	42.43 -0.18 2.78	39.02 -0.20 1.47
SELKIRK___II 23799	43.07 1.34 0.00	38.77 1.13 0.00	34.48 1.00 0.00	34.14 0.96 0.00	33.31 1.00 0.00	32.14 0.91 0.00	34.52 0.78 0.00	35.13 0.92 0.00	37.36 0.98 0.00	35.66 0.90 0.00	36.73 0.90 0.00	38.18 0.93 0.00	39.81 1.05 0.00	42.88 1.13 0.00	35.53 0.75 9.65	46.89 0.69 0.06	35.53 0.57 16.72	35.53 0.90 21.78	57.14 0.79 0.06	46.99 0.45 9.76	35.53 0.05 18.54	51.33 0.05 0.06	35.53 0.18 10.04	35.53 0.16 5.33
SENECA OSWGO___HYD 24041	40.74 -1.00 0.00	36.85 -0.79 0.00	32.81 -0.67 0.00	32.51 -0.66 0.00	31.63 -0.68 0.00	30.64 -0.59 0.00	33.20 -0.54 0.00	33.59 -0.61 0.00	35.69 -0.69 0.00	34.14 -0.62 0.00	35.19 -0.64 0.00	36.58 -0.67 0.00	37.99 -0.77 0.00	40.87 -0.88 0.00	43.54 -0.89 0.00	45.43 -0.83 0.00	50.75 -0.93 0.00	55.62 -0.79 0.00	55.74 -0.67 0.00	55.74 -0.56 0.00	53.21 -0.81 0.00	50.52 -0.82 0.00	44.48 -0.91 0.00	39.80 -0.90 0.00
SENECA___115KV_TB3 355854	40.53 -1.21 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.08 -1.09 0.00	31.02 -1.29 0.00	30.45 -0.78 0.00	32.73 -1.01 0.00	33.28 -0.92 0.00	35.58 -0.80 0.00	34.38 -0.38 0.00	35.44 -0.39 0.00	36.91 -0.34 0.00	37.91 -0.85 0.00	40.75 -1.00 0.00	43.05 -1.38 0.00	45.01 -1.25 0.00	49.87 -1.81 0.00	55.23 -1.18 0.00	56.02 -0.39 0.00	56.08 -0.23 0.00	53.64 -0.38 0.00	50.47 -0.87 0.00	44.30 -1.09 0.00	40.29 -0.41 0.00
SENECA___ENERGY 23797	41.53 -0.21 0.00	37.34 -0.30 0.00	33.28 -0.20 0.00	32.98 -0.20 0.00	32.05 -0.26 0.00	31.17 -0.06 0.00	33.91 0.17 0.00	34.44 0.24 0.00	36.64 0.26 0.00	35.07 0.31 0.00	36.15 0.32 0.00	37.58 0.33 0.00	38.88 0.12 0.00	41.79 0.04 0.00	44.38 -0.04 0.00	46.35 0.09 0.00	51.83 0.16 0.00	56.98 0.56 0.00	57.31 0.90 0.00	57.54 1.24 0.00	54.77 0.76 0.00	51.91 0.57 0.00	45.57 0.18 0.00	40.69 0.00 0.00
SHOEMAKER___GT 23640	43.95 2.21 0.00	39.41 1.77 0.00	34.95 1.47 0.00	34.60 1.43 0.00	33.73 1.42 0.00	32.54 1.31 0.00	35.26 1.52 0.00	36.05 1.85 0.00	38.49 2.11 0.00	36.81 2.05 0.00	37.98 2.15 0.00	39.56 2.31 0.00	41.36 2.60 0.00	44.59 2.84 0.00	47.49 3.06 0.00	49.45 3.19 0.00	54.88 3.21 0.00	60.25 3.84 0.00	60.03 3.61 0.00	59.17 2.87 0.00	56.23 2.22 0.00	53.50 2.16 0.00	47.47 2.09 0.00	42.65 1.95 0.00
SHOEMAKR_138KV_BK 111 55601	43.95 2.21 0.00	39.41 1.77 0.00	34.95 1.47 0.00	34.57 1.39 0.00	33.73 1.42 0.00	32.54 1.31 0.00	35.26 1.52 0.00	36.05 1.85 0.00	38.53 2.15 0.00	36.85 2.09 0.00	38.02 2.19 0.00	39.59 2.35 0.00	41.40 2.64 0.00	44.63 2.88 0.00	47.54 3.11 0.00	49.40 3.15 0.00	55.09 3.41 0.00	60.14 3.72 0.00	59.97 3.55 0.00	58.89 2.59 0.00	56.23 2.21 0.00	53.55 2.21 0.00	47.52 2.13 0.00	42.65 1.95 0.00
SHOREHAM_IC_1 23715	45.51 3.76 -0.01	40.42 2.79 0.00	35.32 1.84 0.00	34.53 1.36 0.00	33.64 1.33 0.00	32.29 1.06 0.00	35.43 1.69 0.00	36.36 2.16 0.00	39.00 2.62 0.00	38.34 3.58 0.00	39.35 3.51 -0.01	40.72 3.46 -0.01	45.83 4.19 -2.88	48.24 5.09 -1.40	50.19 5.64 -0.12	57.06 5.64 -5.17	60.54 5.58 -3.28	70.33 6.54 -7.37	63.31 5.42 -1.48	60.18 3.88 0.00	56.24 2.22 0.00	53.20 1.85 0.00	48.20 2.81 0.00	44.16 3.46 -0.01
SHOREHAM_IC_2 23716	45.50 3.76 0.00	40.42 2.79 0.00	35.32 1.84 0.00	34.53 1.36 0.00	33.63 1.32 0.00	32.29 1.06 0.00	35.43 1.69 0.00	36.36 2.15 0.00	39.00 2.62 0.00	38.34 3.58 0.00	39.34 3.51 0.00	40.71 3.46 0.00	46.10 4.46 -2.88	48.24 5.09 -1.40	50.19 5.64 -0.12	56.97 5.55 -5.16	60.85 5.89 -3.28	70.33 6.54 -7.37	63.25 5.36 -1.48	59.40 3.10 0.00	56.13 2.11 0.00	53.30 1.95 0.00	48.38 3.00 0.00	44.15 3.46 0.00
SISSONVILLE____ 23735	41.91 0.17 0.00	37.87 0.23 0.00	33.65 0.17 0.00	33.37 0.20 0.00	32.41 0.10 0.00	31.32 0.09 0.00	33.77 0.03 0.00	34.13 -0.07 0.00	30.35 -0.15 5.89	27.91 -0.24 6.61	35.46 -0.29 0.09	36.95 -0.30 0.00	38.46 -0.31 0.00	41.33 -0.42 0.00	43.98 -0.44 0.00	45.47 -0.79 0.00	50.90 -0.78 0.00	55.51 -0.90 0.00	55.62 -0.79 0.00	56.13 -0.17 0.00	54.18 0.16 0.00	51.91 0.56 0.00	46.11 0.73 0.00	41.47 0.77 0.00
SITHE_IND_GS1 24169	40.44 -1.29 0.00	36.62 -1.01 0.00	32.61 -0.87 0.00	32.31 -0.86 0.00	31.44 -0.87 0.00	30.45 -0.78 0.00	32.96 -0.77 0.00	33.25 -0.96 0.00	35.36 -1.02 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.68 -1.09 0.00	40.58 -1.17 0.00	43.18 -1.24 0.00	45.01 -1.25 0.00	50.29 -1.39 0.00	55.01 -1.41 0.00	55.06 -1.35 0.00	55.12 -1.19 0.00	52.61 -1.40 0.00	49.96 -1.38 0.00	44.07 -1.32 0.00	39.47 -1.22 0.00
SITHE_IND_GS2 24170	40.44 -1.29 0.00	36.62 -1.01 0.00	32.61 -0.87 0.00	32.31 -0.86 0.00	31.44 -0.87 0.00	30.45 -0.78 0.00	32.96 -0.77 0.00	33.25 -0.96 0.00	35.36 -1.02 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.68 -1.09 0.00	40.58 -1.17 0.00	43.18 -1.24 0.00	45.01 -1.25 0.00	50.29 -1.39 0.00	55.01 -1.41 0.00	55.06 -1.35 0.00	55.12 -1.19 0.00	52.61 -1.40 0.00	49.96 -1.38 0.00	44.07 -1.32 0.00	39.47 -1.22 0.00
SITHE_IND_GS3 24171	40.44 -1.29 0.00	36.62 -1.01 0.00	32.61 -0.87 0.00	32.31 -0.86 0.00	31.44 -0.87 0.00	30.45 -0.78 0.00	32.96 -0.77 0.00	33.25 -0.96 0.00	35.36 -1.02 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.68 -1.09 0.00	40.58 -1.17 0.00	43.18 -1.24 0.00	45.01 -1.25 0.00	50.29 -1.39 0.00	55.01 -1.41 0.00	55.06 -1.35 0.00	55.12 -1.19 0.00	52.61 -1.40 0.00	49.96 -1.38 0.00	44.07 -1.32 0.00	39.47 -1.22 0.00
SITHE_IND_GS4 24172	40.44 -1.29 0.00	36.62 -1.01 0.00	32.61 -0.87 0.00	32.31 -0.86 0.00	31.44 -0.87 0.00	30.45 -0.78 0.00	32.96 -0.77 0.00	33.25 -0.96 0.00	35.36 -1.02 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.68 -1.09 0.00	40.58 -1.17 0.00	43.18 -1.24 0.00	45.01 -1.25 0.00	50.29 -1.39 0.00	55.01 -1.41 0.00	55.06 -1.35 0.00	55.12 -1.19 0.00	52.61 -1.40 0.00	49.96 -1.38 0.00	44.07 -1.32 0.00	39.47 -1.22 0.00



SITHE___BATAVIA 24024	41.66 -0.08 0.00	37.04 -0.60 0.00	32.98 -0.50 0.00	32.74 -0.43 0.00	31.63 -0.68 0.00	31.11 -0.12 0.00	33.57 -0.17 0.00	34.00 -0.20 0.00	36.34 -0.04 0.00	35.04 0.28 0.00	36.19 0.36 0.00	37.54 0.30 0.00	38.53 -0.23 0.00	41.42 -0.34 0.00	43.94 -0.49 0.00	45.88 -0.37 0.00	51.32 -0.36 0.00	56.64 0.23 0.00	57.26 0.85 0.00	57.99 1.69 0.00	55.10 1.08 0.00	52.12 0.77 0.00	45.66 0.27 0.00	41.18 0.49 0.00
SITHE___INDEPEND 23800	40.40 -1.34 0.00	36.62 -1.02 0.00	32.61 -0.87 0.00	32.31 -0.86 0.00	31.44 -0.87 0.00	30.45 -0.78 0.00	32.96 -0.78 0.00	33.24 -0.96 0.00	35.36 -1.02 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.28 -0.97 0.00	37.68 -1.09 0.00	40.58 -1.17 0.00	43.18 -1.24 0.00	45.01 -1.25 0.00	50.18 -1.50 0.00	54.95 -1.47 0.00	55.06 -1.35 0.00	54.95 -1.35 0.00	52.61 -1.40 0.00	49.96 -1.39 0.00	44.02 -1.36 0.00	39.47 -1.22 0.00
SITHE___MASSENA 23902	41.78 0.04 0.00	37.75 0.11 0.00	33.51 0.03 0.00	33.24 0.07 0.00	32.31 0.00 0.00	31.20 -0.03 0.00	33.64 -0.10 0.00	34.03 -0.17 0.00	35.05 -0.22 1.11	33.23 -0.28 1.25	35.57 -0.25 0.02	36.95 -0.30 0.00	38.53 -0.23 0.00	41.38 -0.38 0.00	44.12 -0.31 0.00	45.70 -0.55 0.00	51.32 -0.36 0.00	55.80 -0.62 0.00	55.85 -0.56 0.00	55.91 -0.39 0.00	54.23 0.22 0.00	51.66 0.31 0.00	45.79 0.41 0.00	41.18 0.49 0.00
SITHE___OGDNSBRG 24021	42.41 0.67 0.00	38.28 0.64 0.00	33.98 0.50 0.00	33.70 0.53 0.00	32.73 0.42 0.00	31.67 0.44 0.00	34.11 0.37 0.00	34.44 0.24 0.00	32.46 0.11 4.03	30.17 -0.07 4.53	35.67 -0.11 0.06	37.10 -0.15 0.00	38.65 -0.12 0.00	41.54 -0.21 0.00	44.21 -0.22 0.00	45.79 -0.46 0.00	51.47 -0.21 0.00	56.19 -0.23 0.00	56.41 0.00 0.00	57.03 0.73 0.00	55.15 1.13 0.00	52.68 1.33 0.00	46.61 1.23 0.00	41.87 1.18 0.00
SITHE___STERLING 23777	42.74 1.00 0.00	38.47 0.83 0.00	34.25 0.77 0.00	33.94 0.76 0.00	32.99 0.68 0.00	32.01 0.78 0.00	34.68 0.94 0.00	35.16 0.96 0.00	37.40 1.02 0.00	35.63 0.87 0.00	36.62 0.79 0.00	38.03 0.78 0.00	39.46 0.70 0.00	42.54 0.79 0.00	45.23 0.80 0.00	47.27 1.02 0.00	52.97 1.29 0.00	58.17 1.75 0.00	58.39 1.97 0.00	58.50 2.19 0.00	55.96 1.94 0.00	53.19 1.85 0.00	46.70 1.32 0.00	41.71 1.02 0.00
SLEIGHT__34_KV_TB1 80719	40.99 -0.75 0.00	36.81 -0.83 0.00	32.81 -0.67 0.00	32.54 -0.63 0.00	31.57 -0.74 0.00	30.73 -0.50 0.00	33.37 -0.37 0.00	33.86 -0.34 0.00	36.09 -0.29 0.00	34.69 -0.07 0.00	35.72 -0.11 0.00	37.17 -0.07 0.00	38.38 -0.39 0.00	41.25 -0.50 0.00	43.90 -0.53 0.00	45.84 -0.42 0.00	51.11 -0.57 0.00	56.25 -0.17 0.00	56.58 0.17 0.00	56.64 0.34 0.00	54.18 0.16 0.00	51.19 -0.15 0.00	44.89 -0.50 0.00	40.29 -0.41 0.00
SMITHTWN_69_KV_BK 1 55830	46.04 4.30 0.00	40.91 3.27 0.00	35.82 2.34 0.00	35.06 1.89 0.00	34.15 1.84 0.00	32.79 1.56 0.00	35.97 2.23 0.00	36.94 2.74 0.00	39.62 3.24 0.00	38.62 3.86 0.00	39.84 4.01 0.00	41.46 4.21 0.00	46.49 4.85 -2.88	48.54 5.39 -1.40	50.36 5.78 -0.16	58.32 5.55 -6.52	62.35 5.99 -4.68	73.25 6.37 -10.46	63.98 6.04 -1.53	60.08 3.77 0.00	56.77 2.75 0.00	53.92 2.57 0.00	48.88 3.49 0.00	44.64 3.95 0.00
SOUTH CAIRO___GT 23612	44.29 2.55 0.00	39.78 2.15 0.00	35.35 1.87 0.00	35.03 1.86 0.00	34.18 1.87 0.00	32.95 1.72 0.00	35.19 1.45 0.00	35.64 1.44 0.00	37.76 1.38 0.00	35.77 1.01 0.00	36.73 0.90 0.00	38.14 0.89 0.00	39.81 1.05 0.00	42.88 1.13 0.00	42.32 1.29 3.40	47.62 1.39 0.02	47.61 1.81 5.88	51.23 2.48 7.66	59.16 2.76 0.02	55.18 2.31 3.43	49.44 1.94 6.52	53.33 2.00 0.02	43.49 1.63 3.53	40.08 1.26 1.87
SOUTH HAMPTN___IC 23720	46.26 4.51 -0.01	41.03 3.39 0.00	35.86 2.38 0.00	35.00 1.82 0.00	34.09 1.78 0.00	32.70 1.47 0.00	35.90 2.16 0.00	36.87 2.67 0.00	39.62 3.24 0.00	38.97 4.20 0.00	39.99 4.15 -0.01	41.46 4.21 -0.01	46.65 5.00 -2.88	49.20 6.05 -1.40	51.25 6.71 -0.12	58.15 6.84 -5.05	61.98 7.13 -3.17	71.95 8.41 -7.12	65.10 7.22 -1.46	61.88 5.58 0.00	57.75 3.72 0.00	54.64 3.29 0.00	49.33 3.95 0.00	45.26 4.56 -0.01
SOUTHDOW_115KV_TB1 355954	40.86 -0.88 0.00	36.43 -1.20 0.00	32.64 -0.84 0.00	32.48 -0.70 0.00	31.44 -0.87 0.00	30.89 -0.34 0.00	33.30 -0.44 0.00	34.10 -0.10 0.00	36.53 0.15 0.00	35.18 0.42 0.00	36.23 0.39 0.00	37.62 0.37 0.00	38.57 -0.19 0.00	41.42 -0.33 0.00	43.63 -0.80 0.00	45.70 -0.56 0.00	50.59 -1.09 0.00	56.08 -0.34 0.00	57.04 0.62 0.00	57.32 1.01 0.00	54.83 0.81 0.00	51.81 0.46 0.00	45.48 0.09 0.00	41.14 0.45 0.00
SOUTHOLD_69_KV_BK 2 55809	46.46 4.72 0.00	41.14 3.50 0.00	35.92 2.44 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.67 1.44 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.73 3.35 0.00	39.14 4.38 0.00	40.02 4.19 0.00	41.49 4.25 0.00	46.99 5.35 -2.88	49.41 6.26 -1.40	51.56 7.02 -0.12	58.42 7.12 -5.04	62.86 8.01 -3.17	72.62 9.08 -7.13	65.77 7.90 -1.46	61.60 5.29 0.00	58.13 4.11 0.00	55.25 3.90 0.00	50.01 4.63 0.00	45.82 5.13 0.00
SOUTHOLD___IC 23719	46.42 4.67 -0.01	41.18 3.54 0.00	35.92 2.44 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.67 1.44 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.73 3.34 0.00	39.14 4.38 0.00	40.03 4.19 -0.01	41.50 4.24 -0.01	46.76 5.12 -2.88	49.41 6.26 -1.40	51.52 6.98 -0.12	58.52 7.21 -5.05	62.55 7.70 -3.17	72.68 9.14 -7.13	65.71 7.84 -1.46	62.39 6.08 0.00	58.29 4.27 0.00	55.15 3.80 0.00	49.84 4.45 0.00	45.79 5.09 -0.01
SOUTH_FORK_WT_PWR 323839	46.17 4.42 -0.01	40.91 3.27 0.00	35.69 2.21 0.00	34.80 1.63 0.00	33.86 1.55 0.00	32.42 1.19 0.00	35.66 1.92 0.00	36.63 2.43 0.00	39.44 3.06 0.00	38.93 4.17 0.00	39.71 3.87 -0.01	41.17 3.91 -0.01	46.41 4.77 -2.88	49.04 5.89 -1.40	51.17 6.62 -0.12	58.20 6.89 -5.05	62.18 7.34 -3.17	72.28 8.74 -7.13	65.26 7.39 -1.46	61.93 5.63 0.00	57.91 3.89 0.00	54.84 3.49 0.00	49.61 4.22 0.00	45.79 5.09 -0.01
SPIERFLS_115KV_TB 1 80737	43.95 2.21 0.00	39.48 1.84 0.00	34.95 1.47 0.00	34.53 1.36 0.00	33.67 1.36 0.00	32.60 1.37 0.00	35.22 1.48 0.00	35.71 1.50 0.00	37.87 1.49 0.00	36.05 1.29 0.00	36.73 0.90 0.00	38.18 0.93 0.00	39.70 0.93 0.00	42.67 0.92 0.00	45.45 1.02 0.00	47.37 1.11 0.00	53.49 1.81 0.00	58.73 2.31 0.00	59.29 2.88 0.00	59.01 2.70 0.00	56.12 2.11 0.00	53.66 2.31 0.00	47.38 2.00 0.00	42.32 1.63 0.00
ST LAWRENCE____ 23600	41.32 -0.42 0.00	37.30 -0.34 0.00	33.11 -0.37 0.00	32.84 -0.33 0.00	31.96 -0.35 0.00	30.86 -0.37 0.00	33.27 -0.47 0.00	33.65 -0.55 0.00	36.01 -0.62 -0.25	34.41 -0.62 -0.28	35.23 -0.61 0.00	36.61 -0.63 0.00	38.14 -0.62 0.00	41.04 -0.71 0.00	43.72 -0.71 0.00	45.43 -0.83 0.00	50.95 -0.72 0.00	55.34 -1.07 0.00	55.40 -1.01 0.00	55.46 -0.84 0.00	53.69 -0.32 0.00	51.09 -0.26 0.00	45.25 -0.14 0.00	40.61 -0.08 0.00



STATE_CA_115KV_115_LB 55624	43.37 1.63 0.00	38.99 1.36 0.00	34.65 1.17 0.00	34.27 1.09 0.00	33.44 1.13 0.00	32.32 1.09 0.00	34.65 0.91 0.00	35.23 1.03 0.00	37.47 1.09 0.00	35.74 0.97 0.00	36.84 1.00 0.00	38.29 1.04 0.00	39.85 1.09 0.00	42.92 1.17 0.00	45.58 1.16 0.00	47.41 1.16 0.00	52.92 1.24 0.00	57.88 1.47 0.00	57.88 1.47 0.00	57.26 0.96 0.00	54.67 0.65 0.00	52.06 0.72 0.00	46.11 0.73 0.00	41.26 0.57 0.00
STATE_ST_34_KV_LOAD 55959	41.70 -0.04 0.00	37.60 -0.04 0.00	33.51 0.03 0.00	33.21 0.03 0.00	32.28 -0.03 0.00	31.32 0.09 0.00	34.04 0.30 0.00	34.58 0.38 0.00	36.78 0.40 0.00	35.18 0.42 0.00	36.19 0.36 0.00	37.62 0.37 0.00	39.00 0.23 0.00	41.96 0.21 0.00	44.65 0.22 0.00	46.67 0.42 0.00	52.09 0.41 0.00	57.20 0.79 0.00	57.49 1.07 0.00	57.43 1.13 0.00	54.94 0.92 0.00	52.06 0.72 0.00	45.70 0.32 0.00	40.86 0.16 0.00
STATION_5_MISC_HYD 23604	41.28 -0.46 0.00	36.89 -0.75 0.00	32.91 -0.57 0.00	32.64 -0.53 0.00	31.63 -0.68 0.00	30.86 -0.37 0.00	33.40 -0.34 0.00	33.86 -0.34 0.00	36.20 -0.18 0.00	34.83 0.07 0.00	35.98 0.14 0.00	37.40 0.15 0.00	38.50 -0.27 0.00	41.42 -0.34 0.00	43.90 -0.53 0.00	45.84 -0.42 0.00	51.26 -0.42 0.00	56.30 -0.11 0.00	56.64 0.23 0.00	57.03 0.73 0.00	54.29 0.27 0.00	51.35 0.00 0.00	45.07 -0.32 0.00	40.53 -0.16 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	41.20 -0.54 0.00	37.00 -0.64 0.00	32.98 -0.50 0.00	32.71 -0.46 0.00	31.73 -0.58 0.00	30.92 -0.31 0.00	33.57 -0.17 0.00	34.07 -0.14 0.00	36.31 -0.07 0.00	34.87 0.10 0.00	35.94 0.11 0.00	37.36 0.11 0.00	38.57 -0.19 0.00	41.50 -0.25 0.00	44.07 -0.36 0.00	46.03 -0.23 0.00	51.26 -0.41 0.00	56.53 0.11 0.00	56.87 0.45 0.00	56.92 0.62 0.00	54.50 0.49 0.00	51.45 0.10 0.00	45.16 -0.23 0.00	40.53 -0.16 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	40.95 -0.79 0.00	36.66 -0.98 0.00	32.74 -0.74 0.00	32.44 -0.73 0.00	31.44 -0.87 0.00	30.67 -0.56 0.00	33.23 -0.51 0.00	33.66 -0.55 0.00	35.98 -0.40 0.00	34.62 -0.14 0.00	35.69 -0.14 0.00	37.14 -0.11 0.00	38.30 -0.47 0.00	41.17 -0.58 0.00	43.72 -0.71 0.00	45.66 -0.60 0.00	50.80 -0.88 0.00	56.02 -0.39 0.00	56.36 -0.06 0.00	56.42 0.11 0.00	54.02 0.00 0.00	50.94 -0.41 0.00	44.70 -0.68 0.00	40.29 -0.41 0.00
STA_56___34_KV_BUS2 355983	40.95 -0.79 0.00	36.66 -0.98 0.00	32.74 -0.74 0.00	32.44 -0.73 0.00	31.44 -0.87 0.00	30.67 -0.56 0.00	33.23 -0.51 0.00	33.66 -0.55 0.00	35.98 -0.40 0.00	34.62 -0.14 0.00	35.69 -0.14 0.00	37.14 -0.11 0.00	38.30 -0.47 0.00	41.17 -0.58 0.00	43.72 -0.71 0.00	45.66 -0.60 0.00	50.80 -0.88 0.00	56.02 -0.39 0.00	56.36 -0.06 0.00	56.42 0.11 0.00	54.02 0.00 0.00	50.94 -0.41 0.00	44.70 -0.68 0.00	40.29 -0.41 0.00
STA_67___115KV_BK2 355882	41.11 -0.63 0.00	36.81 -0.83 0.00	32.88 -0.60 0.00	32.61 -0.56 0.00	31.57 -0.74 0.00	30.82 -0.41 0.00	33.37 -0.37 0.00	33.79 -0.41 0.00	36.13 -0.25 0.00	34.76 0.00 0.00	35.83 0.00 0.00	37.28 0.04 0.00	38.42 -0.35 0.00	41.33 -0.42 0.00	43.81 -0.62 0.00	45.70 -0.56 0.00	50.85 -0.83 0.00	56.08 -0.34 0.00	56.47 0.06 0.00	56.53 0.23 0.00	54.12 0.11 0.00	51.04 -0.31 0.00	44.80 -0.59 0.00	40.41 -0.28 0.00
STA_7___115KV_9TRANS 80674	41.36 -0.38 0.00	37.04 -0.60 0.00	33.04 -0.44 0.00	32.78 -0.40 0.00	31.73 -0.58 0.00	30.98 -0.25 0.00	33.57 -0.17 0.00	34.03 -0.17 0.00	36.34 -0.04 0.00	35.01 0.24 0.00	36.12 0.29 0.00	37.58 0.34 0.00	38.73 -0.04 0.00	41.63 -0.13 0.00	44.16 -0.27 0.00	46.12 -0.14 0.00	51.32 -0.36 0.00	56.64 0.23 0.00	57.04 0.62 0.00	57.09 0.79 0.00	54.67 0.65 0.00	51.50 0.15 0.00	45.20 -0.18 0.00	40.73 0.04 0.00
STA_82___115KV_TB1 80780	41.11 -0.63 0.00	36.81 -0.83 0.00	32.84 -0.64 0.00	32.58 -0.60 0.00	31.57 -0.74 0.00	30.79 -0.44 0.00	33.33 -0.40 0.00	33.76 -0.44 0.00	36.09 -0.29 0.00	34.73 -0.03 0.00	35.80 -0.04 0.00	37.25 0.00 0.00	38.38 -0.39 0.00	41.29 -0.46 0.00	43.81 -0.62 0.00	45.75 -0.51 0.00	50.85 -0.83 0.00	56.08 -0.34 0.00	56.53 0.11 0.00	56.53 0.23 0.00	54.12 0.11 0.00	51.04 -0.31 0.00	44.80 -0.59 0.00	40.41 -0.28 0.00
STEEL___WIND 323596	40.61 -1.13 0.00	36.06 -1.58 0.00	32.24 -1.24 0.00	32.05 -1.13 0.00	30.98 -1.33 0.00	30.42 -0.81 0.00	32.69 -1.05 0.00	33.25 -0.96 0.00	35.55 -0.84 0.00	34.35 -0.42 0.00	35.44 -0.39 0.00	36.84 -0.41 0.00	37.83 -0.93 0.00	40.71 -1.04 0.00	43.01 -1.42 0.00	44.91 -1.34 0.00	49.97 -1.70 0.00	55.23 -1.19 0.00	55.91 -0.51 0.00	56.47 0.17 0.00	53.58 -0.43 0.00	50.68 -0.67 0.00	44.52 -0.86 0.00	40.25 -0.45 0.00
STEPHTWN_115KV_BK_2 55603	43.58 1.84 0.00	39.18 1.54 0.00	34.78 1.31 0.00	34.40 1.23 0.00	33.57 1.26 0.00	32.42 1.19 0.00	34.79 1.05 0.00	35.37 1.16 0.00	37.62 1.24 0.00	35.88 1.11 0.00	36.94 1.11 0.00	38.44 1.19 0.00	40.01 1.24 0.00	43.09 1.34 0.00	45.72 1.29 0.00	47.60 1.34 0.00	53.13 1.45 0.00	58.16 1.75 0.00	58.16 1.75 0.00	57.54 1.24 0.00	54.88 0.86 0.00	52.27 0.92 0.00	46.29 0.91 0.00	41.43 0.73 0.00
STEBEN_REC_LFGE 323667	41.36 -0.38 0.00	37.00 -0.64 0.00	33.14 -0.33 0.00	32.94 -0.23 0.00	32.02 -0.29 0.00	31.39 0.16 0.00	34.21 0.47 0.00	34.99 0.79 0.00	37.11 0.73 0.00	35.53 0.76 0.00	36.62 0.79 0.00	38.10 0.86 0.00	39.27 0.50 0.00	42.21 0.46 0.00	43.41 -1.02 0.00	45.38 -0.88 0.00	50.54 -1.14 0.00	56.13 -0.28 0.00	57.20 0.79 0.00	57.65 1.35 0.00	55.26 1.24 0.00	52.17 0.82 0.00	45.61 0.23 0.00	40.94 0.24 0.00
STILLWATER___SOLAR 323814	44.08 2.34 0.00	39.60 1.96 0.00	35.12 1.64 0.00	34.73 1.56 0.00	33.86 1.55 0.00	32.76 1.53 0.00	35.33 1.59 0.00	35.84 1.64 0.00	38.06 1.67 0.00	36.19 1.43 0.00	37.12 1.29 0.00	38.55 1.30 0.00	40.16 1.39 0.00	43.25 1.50 0.00	46.07 1.64 0.00	48.06 1.80 0.00	53.75 2.07 0.00	59.18 2.76 0.00	59.40 2.99 0.00	59.17 2.87 0.00	56.29 2.27 0.00	53.66 2.31 0.00	47.47 2.09 0.00	42.44 1.75 0.00
STONY___BROOK 24151	46.01 4.26 -0.01	40.91 3.27 0.00	35.82 2.34 0.00	35.03 1.86 0.00	34.12 1.81 0.00	32.79 1.56 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.58 3.20 0.00	38.62 3.86 0.00	39.82 3.98 -0.01	41.39 4.13 -0.01	46.33 4.69 -2.88	48.50 5.35 -1.40	50.25 5.69 -0.14	57.60 5.59 -5.75	61.18 5.63 -3.87	71.52 6.43 -8.68	63.79 5.87 -1.51	60.70 4.39 0.00	56.83 2.81 0.00	53.76 2.41 0.00	48.70 3.31 0.00	44.57 3.87 -0.01
STURGEON_POOL_HYD 23609	44.16 2.42 0.00	39.60 1.96 0.00	35.12 1.64 0.00	34.77 1.59 0.00	33.89 1.58 0.00	32.64 1.41 0.00	35.36 1.62 0.00	36.19 1.98 0.00	38.67 2.29 0.00	36.99 2.22 0.00	38.20 2.36 0.00	39.74 2.50 0.00	41.63 2.87 0.00	44.93 3.17 0.00	47.32 3.64 0.75	49.91 3.65 0.00	54.51 4.13 1.30	59.23 4.51 1.70	60.70 4.29 0.00	58.75 3.21 0.76	55.33 2.75 1.45	54.01 2.67 0.00	47.19 2.59 0.78	42.64 2.36 0.42



ST_LAW_115_BK7_LBMP 345037	41.32 -0.42 0.00	37.30 -0.34 0.00	33.11 -0.37 0.00	32.84 -0.33 0.00	31.96 -0.35 0.00	30.86 -0.37 0.00	33.27 -0.47 0.00	33.65 -0.55 0.00	35.76 -0.62 0.00	34.14 -0.62 0.00	35.22 -0.61 0.00	36.61 -0.63 0.00	38.14 -0.62 0.00	41.00 -0.75 0.00	43.67 -0.76 0.00	45.38 -0.88 0.00	50.95 -0.72 0.00	55.29 -1.13 0.00	55.34 -1.07 0.00	55.40 -0.90 0.00	53.69 -0.32 0.00	51.09 -0.26 0.00	45.25 -0.14 0.00	40.65 -0.04 0.00
ST_LAW_115_BK8_LBMP 345038	41.32 -0.42 0.00	37.30 -0.34 0.00	33.11 -0.37 0.00	32.84 -0.33 0.00	31.96 -0.35 0.00	30.86 -0.37 0.00	33.27 -0.47 0.00	33.65 -0.55 0.00	35.76 -0.62 0.00	34.14 -0.62 0.00	35.22 -0.61 0.00	36.61 -0.63 0.00	38.14 -0.62 0.00	41.00 -0.75 0.00	43.67 -0.76 0.00	45.38 -0.88 0.00	50.95 -0.72 0.00	55.29 -1.13 0.00	55.34 -1.07 0.00	55.40 -0.90 0.00	53.69 -0.32 0.00	51.09 -0.26 0.00	45.25 -0.14 0.00	40.65 -0.04 0.00
ST_LAW_230_BK5_LBMP 345035	41.32 -0.42 0.00	37.30 -0.34 0.00	33.11 -0.37 0.00	32.84 -0.33 0.00	31.96 -0.35 0.00	30.86 -0.37 0.00	33.27 -0.47 0.00	33.65 -0.55 0.00	36.23 -0.62 -0.46	34.66 -0.62 -0.52	35.23 -0.61 -0.01	36.61 -0.63 0.00	38.14 -0.62 0.00	41.04 -0.71 0.00	43.72 -0.71 0.00	45.43 -0.83 0.00	50.95 -0.72 0.00	55.34 -1.07 0.00	55.40 -1.01 0.00	55.46 -0.84 0.00	53.69 -0.32 0.00	51.09 -0.26 0.00	45.25 -0.14 0.00	40.61 -0.08 0.00
ST_LAW_230_BK6_LBMP 345036	41.32 -0.42 0.00	37.30 -0.34 0.00	33.11 -0.37 0.00	32.84 -0.33 0.00	31.96 -0.35 0.00	30.86 -0.37 0.00	33.27 -0.47 0.00	33.65 -0.55 0.00	36.23 -0.62 -0.46	34.66 -0.62 -0.52	35.23 -0.61 -0.01	36.61 -0.63 0.00	38.14 -0.62 0.00	41.04 -0.71 0.00	43.72 -0.71 0.00	45.43 -0.83 0.00	50.95 -0.72 0.00	55.34 -1.07 0.00	55.40 -1.01 0.00	55.46 -0.84 0.00	53.69 -0.32 0.00	51.09 -0.26 0.00	45.25 -0.14 0.00	40.61 -0.08 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	44.16 2.42 0.00	39.56 1.92 0.00	35.05 1.57 0.00	34.67 1.49 0.00	33.83 1.52 0.00	32.64 1.41 0.00	35.39 1.65 0.00	36.25 2.05 0.00	38.75 2.36 0.00	37.09 2.33 0.00	38.27 2.44 0.00	39.85 2.61 0.00	41.67 2.91 0.00	44.97 3.21 0.00	47.89 3.47 0.00	49.77 3.52 0.00	55.45 3.77 0.00	60.48 4.06 0.00	60.31 3.89 0.00	59.17 2.87 0.00	56.45 2.43 0.00	53.71 2.36 0.00	47.75 2.36 0.00	42.85 2.16 0.00
SWANROAD_115KV_TB1 355699	39.99 -1.75 0.00	35.23 -2.41 0.00	31.54 -1.94 0.00	31.35 -1.82 0.00	30.31 -2.00 0.00	30.01 -1.22 0.00	31.98 -1.75 0.00	32.32 -1.88 0.00	34.63 -1.75 0.00	33.48 -1.29 0.00	34.47 -1.36 0.00	35.91 -1.34 0.00	36.87 -1.90 0.00	39.66 -2.09 0.00	41.90 -2.53 0.00	43.76 -2.50 0.00	48.37 -3.31 0.00	53.65 -2.76 0.00	54.33 -2.09 0.00	54.33 -1.97 0.00	52.02 -2.00 0.00	48.88 -2.46 0.00	42.93 -2.45 0.00	39.35 -1.34 0.00
SYNERGY___BIOGAS 323694	41.57 -0.17 0.00	36.89 -0.75 0.00	32.98 -0.50 0.00	32.74 -0.43 0.00	31.63 -0.68 0.00	31.11 -0.12 0.00	33.57 -0.17 0.00	34.00 -0.21 0.00	36.34 -0.04 0.00	35.04 0.28 0.00	36.12 0.29 0.00	37.55 0.30 0.00	38.53 -0.23 0.00	41.42 -0.33 0.00	43.94 -0.49 0.00	45.93 -0.32 0.00	50.95 -0.72 0.00	56.53 0.11 0.00	57.26 0.85 0.00	57.54 1.24 0.00	55.10 1.08 0.00	51.81 0.46 0.00	45.39 0.00 0.00	41.18 0.49 0.00
SYRACUSE___ENERGY_ST1 323597	41.45 -0.29 0.00	37.45 -0.19 0.00	33.34 -0.13 0.00	33.04 -0.13 0.00	32.15 -0.16 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.24 0.03 0.00	36.42 0.04 0.00	34.83 0.07 0.00	35.90 0.07 0.00	37.32 0.07 0.00	38.73 -0.04 0.00	41.71 -0.04 0.00	44.38 -0.04 0.00	46.35 0.09 0.00	51.73 0.05 0.00	56.70 0.28 0.00	56.87 0.45 0.00	56.70 0.39 0.00	54.29 0.27 0.00	51.50 0.15 0.00	45.29 -0.09 0.00	40.53 -0.16 0.00
SYRACUSE___ENERGY_ST2 323598	41.45 -0.29 0.00	37.45 -0.19 0.00	33.34 -0.13 0.00	33.04 -0.13 0.00	32.15 -0.16 0.00	31.17 -0.06 0.00	33.81 0.07 0.00	34.24 0.03 0.00	36.42 0.04 0.00	34.83 0.07 0.00	35.90 0.07 0.00	37.32 0.07 0.00	38.73 -0.04 0.00	41.71 -0.04 0.00	44.38 -0.04 0.00	46.35 0.09 0.00	51.73 0.05 0.00	56.70 0.28 0.00	56.87 0.45 0.00	56.70 0.39 0.00	54.29 0.27 0.00	51.50 0.15 0.00	45.29 -0.09 0.00	40.53 -0.16 0.00
SYRACUSE___POWER 24017	41.41 -0.33 0.00	37.38 -0.26 0.00	33.31 -0.17 0.00	33.01 -0.17 0.00	32.08 -0.23 0.00	31.11 -0.12 0.00	33.74 0.00 0.00	34.17 -0.03 0.00	36.38 0.00 0.00	34.80 0.03 0.00	35.87 0.04 0.00	37.28 0.04 0.00	38.69 -0.08 0.00	41.67 -0.08 0.00	44.38 -0.04 0.00	46.30 0.05 0.00	51.68 0.00 0.00	56.64 0.23 0.00	56.81 0.39 0.00	56.64 0.34 0.00	54.23 0.22 0.00	51.45 0.10 0.00	45.25 -0.14 0.00	40.49 -0.20 0.00
TALLMAN_138KV_BK151 55660	44.41 2.67 0.00	39.78 2.15 0.00	35.22 1.74 0.00	34.80 1.63 0.00	33.96 1.65 0.00	32.79 1.56 0.00	35.63 1.89 0.00	36.49 2.29 0.00	39.04 2.66 0.00	37.40 2.64 0.00	38.63 2.79 0.00	40.23 2.98 0.00	42.10 3.33 0.00	45.47 3.72 0.00	48.38 3.95 0.00	50.19 3.93 0.00	55.86 4.19 0.00	60.87 4.46 0.00	60.65 4.23 0.00	59.46 3.15 0.00	56.66 2.65 0.00	53.96 2.62 0.00	48.02 2.63 0.00	43.13 2.44 0.00
TEALLAVE_115KV_TB7 355573	41.28 -0.46 0.00	37.30 -0.34 0.00	33.21 -0.27 0.00	32.91 -0.27 0.00	32.02 -0.29 0.00	31.01 -0.22 0.00	33.64 -0.10 0.00	34.07 -0.14 0.00	36.24 -0.15 0.00	34.69 -0.07 0.00	35.76 -0.07 0.00	37.17 -0.07 0.00	38.57 -0.19 0.00	41.54 -0.21 0.00	44.21 -0.22 0.00	46.12 -0.14 0.00	51.47 -0.21 0.00	56.41 0.00 0.00	56.58 0.17 0.00	56.42 0.11 0.00	53.96 -0.05 0.00	51.19 -0.15 0.00	45.07 -0.32 0.00	40.33 -0.37 0.00
TELGRAPH_34_KV_EAST 80808	40.78 -0.96 0.00	36.10 -1.54 0.00	32.31 -1.17 0.00	32.08 -1.09 0.00	31.02 -1.29 0.00	30.54 -0.69 0.00	32.79 -0.94 0.00	33.21 -0.99 0.00	35.54 -0.84 0.00	34.31 -0.45 0.00	35.37 -0.47 0.00	36.80 -0.45 0.00	37.80 -0.97 0.00	40.62 -1.13 0.00	43.01 -1.42 0.00	44.96 -1.30 0.00	49.77 -1.91 0.00	55.17 -1.24 0.00	55.85 -0.56 0.00	56.02 -0.28 0.00	53.58 -0.43 0.00	50.37 -0.98 0.00	44.25 -1.13 0.00	40.29 -0.41 0.00
TEMPLE___115KV_TB 2 55572	41.32 -0.42 0.00	37.30 -0.34 0.00	33.21 -0.27 0.00	32.91 -0.27 0.00	32.02 -0.29 0.00	31.04 -0.19 0.00	33.67 -0.07 0.00	34.10 -0.10 0.00	36.27 -0.11 0.00	34.73 -0.03 0.00	35.80 -0.04 0.00	37.21 -0.04 0.00	38.61 -0.16 0.00	41.58 -0.17 0.00	44.25 -0.18 0.00	46.16 -0.09 0.00	51.52 -0.16 0.00	56.47 0.06 0.00	56.64 0.23 0.00	56.47 0.17 0.00	54.02 0.00 0.00	51.24 -0.10 0.00	45.11 -0.27 0.00	40.37 -0.33 0.00
TIANA___69_KV_BK 1 55817	46.16 4.42 0.00	40.95 3.31 0.00	35.79 2.31 0.00	34.96 1.79 0.00	34.05 1.74 0.00	32.67 1.44 0.00	35.86 2.13 0.00	36.80 2.60 0.00	39.55 3.17 0.00	38.86 4.10 0.00	39.92 4.08 0.00	41.38 4.13 0.00	46.76 5.12 -2.88	49.04 5.89 -1.40	51.08 6.53 -0.12	57.82 6.52 -5.04	62.03 7.18 -3.17	71.55 8.01 -7.13	64.81 6.94 -1.46	60.81 4.50 0.00	57.37 3.35 0.00	54.48 3.13 0.00	49.33 3.95 0.00	45.05 4.35 0.00



TILDEN___115KV_TB1 80814	41.41 -0.33 0.00	37.38 -0.26 0.00	33.31 -0.17 0.00	33.01 -0.17 0.00	32.08 -0.23 0.00	31.11 -0.12 0.00	33.74 0.00 0.00	34.17 -0.03 0.00	36.38 0.00 0.00	34.80 0.03 0.00	35.87 0.04 0.00	37.28 0.04 0.00	38.69 -0.08 0.00	41.67 -0.08 0.00	44.38 -0.04 0.00	46.30 0.05 0.00	51.68 0.00 0.00	56.64 0.23 0.00	56.81 0.39 0.00	56.64 0.34 0.00	54.23 0.22 0.00	51.45 0.10 0.00	45.25 -0.14 0.00	40.49 -0.20 0.00
TRIGEN___CC 323695	45.37 3.63 0.00	40.54 2.90 0.00	35.62 2.14 0.00	35.00 1.82 0.00	34.09 1.78 0.00	32.79 1.56 0.00	35.86 2.13 0.00	36.80 2.60 0.00	39.44 3.06 0.00	38.13 3.37 0.00	39.38 3.55 0.00	41.01 3.76 0.00	45.71 4.07 -2.88	47.66 4.51 -1.40	49.62 4.80 -0.39	51.11 4.86 0.00	63.14 5.17 -6.29	76.84 5.53 -14.90	73.10 5.25 -11.43	59.74 3.43 0.00	56.66 2.65 0.00	53.86 2.52 0.00	48.52 3.13 0.00	44.07 3.38 0.00
TRINITY___115KV___4 BK 55933	43.20 1.46 0.00	38.88 1.24 0.00	34.55 1.07 0.00	34.17 1.00 0.00	33.38 1.07 0.00	32.20 0.97 0.00	34.55 0.81 0.00	35.13 0.92 0.00	37.33 0.95 0.00	35.63 0.87 0.00	36.73 0.90 0.00	38.14 0.89 0.00	39.73 0.97 0.00	42.80 1.04 0.00	45.45 1.02 0.00	47.27 1.02 0.00	52.71 1.03 0.00	57.71 1.30 0.00	57.66 1.24 0.00	57.03 0.73 0.00	54.45 0.43 0.00	51.86 0.51 0.00	45.93 0.54 0.00	41.14 0.45 0.00
UNION___PROCESSING_DRP 323587	41.11 -0.63 0.00	36.81 -0.83 0.00	32.84 -0.64 0.00	32.58 -0.60 0.00	31.57 -0.74 0.00	30.79 -0.44 0.00	33.33 -0.40 0.00	33.79 -0.41 0.00	36.09 -0.29 0.00	34.73 -0.03 0.00	35.83 0.00 0.00	37.28 0.04 0.00	38.38 -0.39 0.00	41.29 -0.46 0.00	43.81 -0.62 0.00	45.75 -0.51 0.00	50.85 -0.83 0.00	56.13 -0.28 0.00	56.53 0.11 0.00	56.58 0.28 0.00	54.12 0.11 0.00	51.04 -0.31 0.00	44.84 -0.54 0.00	40.45 -0.24 0.00
UPPER HUDSON___HYD 24058	43.91 2.17 0.00	39.48 1.84 0.00	34.95 1.47 0.00	34.53 1.36 0.00	33.67 1.36 0.00	32.60 1.37 0.00	35.22 1.48 0.00	35.71 1.50 0.00	37.87 1.49 0.00	36.05 1.29 0.00	36.69 0.86 0.00	38.18 0.93 0.00	39.69 0.93 0.00	42.67 0.92 0.00	45.45 1.02 0.00	47.41 1.16 0.00	53.44 1.76 0.00	58.84 2.42 0.00	59.29 2.88 0.00	59.17 2.87 0.00	56.12 2.10 0.00	53.60 2.26 0.00	47.34 1.95 0.00	42.32 1.63 0.00
UPPER RAQUET___HYD 24056	41.91 0.17 0.00	37.87 0.23 0.00	33.65 0.17 0.00	33.37 0.20 0.00	32.41 0.10 0.00	31.32 0.09 0.00	33.77 0.03 0.00	34.13 -0.07 0.00	30.35 -0.14 5.89	27.91 -0.24 6.61	35.46 -0.29 0.09	36.91 -0.34 0.00	38.45 -0.31 0.00	41.33 -0.42 0.00	43.98 -0.44 0.00	45.47 -0.79 0.00	50.90 -0.77 0.00	55.40 -1.01 0.00	55.62 -0.79 0.00	55.80 -0.51 0.00	54.18 0.16 0.00	51.91 0.57 0.00	46.11 0.72 0.00	41.46 0.77 0.00
VALLEY44_115KV_TB2 355964	40.19 -1.54 0.00	35.83 -1.81 0.00	32.07 -1.41 0.00	31.88 -1.29 0.00	30.89 -1.42 0.00	30.36 -0.87 0.00	32.90 -0.84 0.00	33.72 -0.48 0.00	36.02 -0.36 0.00	34.66 -0.10 0.00	35.72 -0.11 0.00	37.17 -0.07 0.00	38.18 -0.58 0.00	41.08 -0.67 0.00	43.41 -1.02 0.00	45.42 -0.83 0.00	50.59 -1.09 0.00	55.91 -0.51 0.00	56.64 0.23 0.00	56.70 0.39 0.00	54.18 0.16 0.00	50.99 -0.36 0.00	44.66 -0.73 0.00	40.29 -0.41 0.00
VALLEY___115KV_TB 1-4 80826	41.11 -0.63 0.00	37.04 -0.60 0.00	32.94 -0.54 0.00	32.64 -0.53 0.00	31.83 -0.48 0.00	30.82 -0.41 0.00	33.30 -0.44 0.00	33.79 -0.41 0.00	35.94 -0.44 0.00	34.31 -0.45 0.00	35.33 -0.50 0.00	36.73 -0.52 0.00	38.22 -0.54 0.00	41.25 -0.50 0.00	43.90 -0.53 0.00	45.79 -0.46 0.00	51.21 -0.47 0.00	55.96 -0.45 0.00	56.08 -0.34 0.00	55.97 -0.34 0.00	53.69 -0.32 0.00	51.09 -0.26 0.00	45.20 -0.18 0.00	40.53 -0.16 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	43.74 2.00 0.00	39.26 1.62 0.00	34.99 1.51 0.00	34.70 1.53 0.00	33.76 1.45 0.00	32.60 1.37 0.00	35.29 1.55 0.00	35.98 1.78 0.00	38.38 2.00 0.00	36.61 1.84 0.00	37.62 1.79 0.00	39.15 1.90 0.00	40.70 1.94 0.00	43.92 2.17 0.00	46.69 2.27 0.00	48.75 2.50 0.00	54.52 2.84 0.00	59.74 3.33 0.00	59.91 3.50 0.00	59.46 3.15 0.00	56.88 2.86 0.00	54.07 2.72 0.00	47.65 2.27 0.00	42.65 1.95 0.00
VISCHER___FERRY HYD 24020	43.74 2.00 0.00	39.29 1.65 0.00	34.92 1.44 0.00	34.50 1.33 0.00	33.70 1.39 0.00	32.57 1.34 0.00	35.09 1.35 0.00	35.67 1.47 0.00	37.91 1.53 0.00	36.12 1.35 0.00	37.16 1.33 0.00	38.59 1.34 0.00	40.24 1.47 0.00	43.38 1.63 0.00	46.21 1.78 0.00	48.06 1.80 0.00	53.64 1.96 0.00	58.96 2.54 0.00	58.96 2.54 0.00	58.50 2.19 0.00	55.69 1.68 0.00	52.99 1.64 0.00	46.93 1.54 0.00	42.03 1.34 0.00
V_A_10_SYNC_DSASP 323832	40.36 -1.38 0.00	36.02 -1.62 0.00	32.21 -1.27 0.00	31.98 -1.19 0.00	30.95 -1.36 0.00	30.26 -0.97 0.00	32.59 -1.15 0.00	33.04 -1.16 0.00	35.36 -1.02 0.00	34.10 -0.66 0.00	35.15 -0.68 0.00	36.58 -0.67 0.00	37.60 -1.16 0.00	40.46 -1.29 0.00	42.87 -1.56 0.00	44.73 -1.53 0.00	49.56 -2.12 0.00	54.83 -1.58 0.00	55.34 -1.07 0.00	55.35 -0.96 0.00	52.99 -1.03 0.00	49.86 -1.49 0.00	43.80 -1.59 0.00	39.76 -0.94 0.00
V_CMM_10_SYNC_DSASP 323787	41.49 -0.25 0.00	37.49 -0.15 0.00	33.28 -0.20 0.00	33.01 -0.17 0.00	32.12 -0.19 0.00	30.98 -0.25 0.00	33.40 -0.34 0.00	33.83 -0.38 0.00	35.95 -0.43 0.00	34.31 -0.45 0.00	35.40 -0.43 0.00	36.76 -0.49 0.00	38.30 -0.46 0.00	41.21 -0.54 0.00	43.90 -0.53 0.00	45.61 -0.65 0.00	51.16 -0.52 0.00	55.57 -0.84 0.00	55.62 -0.79 0.00	55.68 -0.62 0.00	53.96 -0.05 0.00	51.35 0.00 0.00	45.48 0.09 0.00	40.86 0.16 0.00
V_CMP_10_SYNC_DSASP 323788	41.20 -0.54 0.00	37.15 -0.49 0.00	33.01 -0.47 0.00	32.74 -0.43 0.00	31.83 -0.48 0.00	30.64 -0.59 0.00	32.90 -0.84 0.00	32.83 -1.37 0.00	-0.59 -1.53 35.44	-6.51 -1.49 39.78	33.81 -1.50 0.52	35.72 -1.53 0.00	37.25 -1.51 0.00	40.04 -1.71 0.00	42.70 -1.73 0.00	44.45 -1.80 0.00	50.65 -1.03 0.00	55.29 -1.13 0.00	55.62 -0.79 0.00	56.02 -0.28 0.00	54.45 0.43 0.00	51.81 0.46 0.00	45.93 0.55 0.00	41.26 0.57 0.00
V_D_10_SYNC_DSASP 323841	41.78 0.04 0.00	37.71 0.08 0.00	33.51 0.03 0.00	33.24 0.07 0.00	32.31 0.00 0.00	31.20 -0.03 0.00	33.60 -0.13 0.00	34.03 -0.17 0.00	35.08 -0.25 1.04	33.31 -0.28 1.17	35.57 -0.25 0.02	36.95 -0.30 0.00	38.50 -0.27 0.00	41.38 -0.38 0.00	44.12 -0.31 0.00	45.70 -0.55 0.00	51.32 -0.36 0.00	55.80 -0.62 0.00	55.85 -0.56 0.00	55.91 -0.39 0.00	54.23 0.22 0.00	51.66 0.31 0.00	45.75 0.36 0.00	41.18 0.49 0.00
V_E_10_SYNC_DSASP 323830	43.83 2.09 0.00	39.22 1.58 0.00	34.95 1.47 0.00	34.70 1.53 0.00	33.67 1.36 0.00	32.82 1.59 0.00	35.76 2.02 0.00	36.32 2.12 0.00	38.56 2.18 0.00	36.53 1.77 0.00	37.30 1.47 0.00	38.78 1.53 0.00	40.08 1.32 0.00	43.25 1.50 0.00	45.98 1.55 0.00	48.48 2.22 0.00	54.73 3.05 0.00	60.53 4.12 0.00	61.43 5.02 0.00	61.93 5.63 0.00	59.20 5.19 0.00	56.23 4.88 0.00	48.97 3.58 0.00	43.58 2.89 0.00



V_F_30_NSYNC___DSASP 323816	44.12 2.38 0.00	39.63 1.99 0.00	35.15 1.67 0.00	34.77 1.59 0.00	33.89 1.58 0.00	32.79 1.56 0.00	35.36 1.62 0.00	35.88 1.68 0.00	38.09 1.71 0.00	36.26 1.49 0.00	37.19 1.36 0.00	38.66 1.42 0.00	40.24 1.47 0.00	43.34 1.59 0.00	46.21 1.78 0.00	48.15 1.90 0.00	53.85 2.17 0.00	59.29 2.88 0.00	59.52 3.10 0.00	59.29 2.98 0.00	56.34 2.32 0.00	53.71 2.36 0.00	47.52 2.13 0.00	42.53 1.83 0.00
V_F_30_SYNC_DSASP 323786	43.37 1.63 0.00	38.99 1.36 0.00	34.65 1.17 0.00	34.27 1.09 0.00	33.44 1.13 0.00	32.29 1.06 0.00	34.65 0.91 0.00	35.23 1.03 0.00	37.44 1.06 0.00	35.74 0.97 0.00	36.84 1.00 0.00	38.29 1.04 0.00	39.85 1.09 0.00	42.92 1.17 0.00	45.58 1.16 0.00	47.41 1.16 0.00	52.92 1.24 0.00	57.88 1.47 0.00	57.88 1.47 0.00	57.26 0.96 0.00	54.67 0.65 0.00	52.06 0.72 0.00	46.11 0.73 0.00	41.26 0.57 0.00
V_XM_10_SYNC_DSASP 323789	41.20 -0.54 0.00	37.15 -0.49 0.00	33.01 -0.47 0.00	32.74 -0.43 0.00	31.83 -0.48 0.00	30.64 -0.59 0.00	32.90 -0.84 0.00	32.83 -1.37 0.00	-0.59 -1.53 35.44	-6.51 -1.49 39.78	33.81 -1.50 0.52	35.72 -1.53 0.00	37.25 -1.51 0.00	40.04 -1.71 0.00	42.70 -1.73 0.00	44.45 -1.80 0.00	50.65 -1.03 0.00	55.29 -1.13 0.00	55.62 -0.79 0.00	56.02 -0.28 0.00	54.45 0.43 0.00	51.81 0.46 0.00	45.93 0.55 0.00	41.26 0.57 0.00
W.BABYLN_69_KV_BK1 56697	46.37 4.63 0.00	41.25 3.61 0.00	36.16 2.68 0.00	35.40 2.22 0.00	34.47 2.16 0.00	33.14 1.91 0.00	36.30 2.56 0.00	37.28 3.08 0.00	39.98 3.60 0.00	38.86 4.10 0.00	40.13 4.30 0.00	41.75 4.51 0.00	46.64 5.00 -2.88	48.70 5.55 -1.40	50.46 5.91 -0.13	53.85 5.87 -1.72	60.19 6.41 -2.10	68.33 7.00 -4.92	66.31 6.60 -3.30	60.69 4.39 0.00	57.48 3.46 -0.01	54.54 3.18 -0.01	49.42 4.04 0.00	45.01 4.31 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	44.54 2.80 0.00	39.90 2.26 0.00	35.32 1.84 0.00	34.90 1.73 0.00	34.02 1.71 0.00	32.85 1.62 0.00	35.70 1.96 0.00	36.60 2.39 0.00	39.15 2.76 0.00	37.47 2.71 0.00	38.70 2.87 0.00	40.30 3.05 0.00	42.18 3.41 0.00	45.55 3.80 0.00	48.47 4.04 0.00	50.28 4.02 0.00	55.97 4.29 0.00	61.04 4.63 0.00	60.76 4.34 0.00	59.57 3.27 0.00	56.77 2.75 0.00	54.07 2.72 0.00	48.11 2.72 0.00	43.22 2.52 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	44.87 3.13 0.00	40.20 2.56 0.00	35.52 2.04 0.00	35.10 1.92 0.00	34.18 1.87 0.00	33.01 1.78 0.00	35.93 2.19 0.00	36.90 2.70 0.00	39.47 3.09 0.00	37.89 3.13 0.00	39.16 3.33 0.00	40.82 3.58 0.00	42.72 3.95 0.00	46.14 4.38 0.00	49.14 4.71 0.00	50.97 4.72 0.00	56.64 4.96 0.00	61.60 5.19 0.00	61.27 4.85 0.00	60.02 3.72 0.00	57.20 3.19 0.00	54.53 3.18 0.00	48.61 3.22 0.00	43.66 2.97 0.00
W50THST__13_KV_LOAD 356117	45.12 3.38 0.00	40.39 2.75 0.00	35.69 2.21 0.00	35.26 2.09 0.00	34.38 2.07 0.00	33.20 1.97 0.00	36.13 2.40 0.00	37.14 2.94 0.00	39.73 3.35 0.00	38.17 3.41 0.00	39.45 3.62 0.00	41.12 3.87 0.00	43.03 4.26 0.00	46.47 4.72 0.00	49.45 5.02 0.00	51.34 5.09 0.00	57.05 5.37 0.00	62.06 5.64 0.00	61.72 5.30 0.00	60.41 4.11 0.00	57.58 3.57 0.00	54.84 3.49 0.00	48.88 3.49 0.00	43.91 3.21 0.00
WADING RIVER_IC_1 23522	45.42 3.67 -0.01	40.35 2.71 0.00	35.29 1.81 0.00	34.50 1.33 0.00	33.60 1.29 0.00	32.26 1.03 0.00	35.39 1.65 0.00	36.32 2.12 0.00	38.93 2.55 0.00	38.31 3.55 0.00	39.31 3.47 -0.01	40.68 3.42 -0.01	45.83 4.19 -2.88	48.24 5.09 -1.40	50.19 5.64 -0.12	56.98 5.69 -5.03	60.42 5.58 -3.16	70.05 6.54 -7.10	63.23 5.36 -1.45	60.13 3.83 0.00	56.24 2.22 0.00	53.15 1.80 0.00	48.15 2.77 0.00	44.08 3.38 -0.01
WADING RIVER_IC_2 23547	45.42 3.67 -0.01	40.35 2.71 0.00	35.29 1.81 0.00	34.50 1.33 0.00	33.60 1.29 0.00	32.26 1.03 0.00	35.39 1.65 0.00	36.32 2.12 0.00	38.93 2.55 0.00	38.31 3.55 0.00	39.31 3.47 -0.01	40.68 3.42 -0.01	45.83 4.19 -2.88	48.24 5.09 -1.40	50.19 5.64 -0.12	56.98 5.69 -5.03	60.42 5.58 -3.16	70.05 6.54 -7.10	63.23 5.36 -1.45	60.13 3.83 0.00	56.24 2.22 0.00	53.15 1.80 0.00	48.15 2.77 0.00	44.08 3.38 -0.01
WADING RIVER_IC_3 23601	45.42 3.67 -0.01	40.35 2.71 0.00	35.29 1.81 0.00	34.50 1.33 0.00	33.60 1.29 0.00	32.26 1.03 0.00	35.39 1.65 0.00	36.32 2.12 0.00	38.93 2.55 0.00	38.31 3.55 0.00	39.31 3.47 -0.01	40.68 3.42 -0.01	45.83 4.19 -2.88	48.24 5.09 -1.40	50.19 5.64 -0.12	56.98 5.69 -5.03	60.42 5.58 -3.16	70.05 6.54 -7.10	63.23 5.36 -1.45	60.13 3.83 0.00	56.24 2.22 0.00	53.15 1.80 0.00	48.15 2.77 0.00	44.08 3.38 -0.01
WALDENNY_12_KV_BK2 80841	40.57 -1.17 0.00	36.06 -1.58 0.00	32.27 -1.21 0.00	32.08 -1.09 0.00	31.02 -1.29 0.00	30.48 -0.75 0.00	32.69 -1.05 0.00	33.24 -0.96 0.00	35.58 -0.80 0.00	34.38 -0.38 0.00	35.44 -0.39 0.00	36.91 -0.34 0.00	37.91 -0.85 0.00	40.79 -0.96 0.00	43.10 -1.33 0.00	45.05 -1.20 0.00	49.87 -1.81 0.00	55.23 -1.18 0.00	56.02 -0.39 0.00	56.08 -0.23 0.00	53.58 -0.43 0.00	50.42 -0.92 0.00	44.30 -1.09 0.00	40.29 -0.41 0.00
WALDEN___HYDRO 24148	44.33 2.59 0.00	39.71 2.07 0.00	35.19 1.71 0.00	34.80 1.63 0.00	33.96 1.65 0.00	32.73 1.50 0.00	35.49 1.75 0.00	36.32 2.12 0.00	38.82 2.44 0.00	37.13 2.36 0.00	38.30 2.47 0.00	39.89 2.64 0.00	41.71 2.95 0.00	45.05 3.30 0.00	47.98 3.55 0.00	49.91 3.65 0.00	55.61 3.93 0.00	60.70 4.29 0.00	60.53 4.12 0.00	59.40 3.10 0.00	56.66 2.65 0.00	53.96 2.62 0.00	47.88 2.50 0.00	42.97 2.28 0.00
WARRENSBURG____ 23737	43.95 2.21 0.00	39.48 1.84 0.00	34.95 1.47 0.00	34.53 1.36 0.00	33.67 1.36 0.00	32.60 1.37 0.00	35.22 1.48 0.00	35.71 1.50 0.00	37.87 1.49 0.00	36.05 1.29 0.00	36.73 0.90 0.00	38.18 0.93 0.00	39.70 0.93 0.00	42.67 0.92 0.00	45.45 1.02 0.00	47.37 1.11 0.00	53.49 1.81 0.00	58.73 2.31 0.00	59.29 2.88 0.00	59.01 2.70 0.00	56.12 2.11 0.00	53.66 2.31 0.00	47.38 2.00 0.00	42.32 1.63 0.00
WATERSIDE___6 8 9 23538	44.91 3.17 0.00	40.24 2.60 0.00	35.59 2.11 0.00	35.16 1.99 0.00	34.25 1.94 0.00	33.04 1.81 0.00	36.00 2.26 0.00	36.98 2.77 0.00	39.55 3.17 -0.01	37.97 3.20 -0.01	39.24 3.40 -0.01	40.90 3.65 -0.01	42.80 4.03 -0.01	46.23 4.47 -0.01	49.19 4.75 -0.01	51.07 4.81 -0.01	56.69 5.01 0.00	61.49 5.08 0.00	61.15 4.74 0.00	59.85 3.55 0.00	57.15 3.13 0.00	54.48 3.13 0.00	48.65 3.27 0.00	43.70 3.01 0.00
WATKINRD_115KV_LN8_ILLION 55919	41.41 -0.33 0.00	37.34 -0.30 0.00	33.21 -0.27 0.00	32.91 -0.27 0.00	32.08 -0.23 0.00	31.01 -0.22 0.00	33.54 -0.20 0.00	34.00 -0.21 0.00	36.16 -0.22 0.00	34.52 -0.24 0.00	35.55 -0.29 0.00	36.99 -0.26 0.00	38.49 -0.27 0.00	41.50 -0.25 0.00	44.16 -0.27 0.00	46.03 -0.23 0.00	51.47 -0.21 0.00	56.25 -0.17 0.00	56.30 -0.11 0.00	56.13 -0.17 0.00	53.85 -0.16 0.00	51.19 -0.15 0.00	45.29 -0.09 0.00	40.61 -0.08 0.00



WDELAWARE___HYD 323627	44.49 2.75 0.00	39.86 2.22 0.00	35.35 1.87 0.00	35.00 1.82 0.00	34.12 1.81 0.00	32.88 1.65 0.00	35.63 1.89 0.00	36.42 2.22 0.00	38.96 2.58 0.00	37.20 2.43 0.00	38.34 2.51 0.00	39.93 2.68 0.00	41.79 3.03 0.00	45.09 3.34 0.00	47.84 3.69 0.27	50.23 3.98 0.00	55.39 4.18 0.47	60.82 5.02 0.61	61.27 4.85 0.00	60.14 4.11 0.27	56.79 3.30 0.52	54.48 3.13 0.00	47.97 2.86 0.28	43.15 2.61 0.15
WEST BABYLON___IC 23714	46.37 4.63 0.00	41.25 3.61 0.00	36.16 2.68 0.00	35.40 2.22 0.00	34.47 2.16 0.00	33.14 1.91 0.00	36.30 2.56 0.00	37.28 3.08 0.00	39.98 3.60 0.00	38.86 4.10 0.00	40.13 4.30 0.00	41.75 4.51 0.00	46.64 5.00 -2.88	48.70 5.55 -1.40	50.46 5.91 -0.13	53.85 5.87 -1.72	60.19 6.41 -2.10	68.33 7.00 -4.92	66.31 6.60 -3.30	60.69 4.39 0.00	57.48 3.46 -0.01	54.54 3.18 -0.01	49.42 4.04 0.00	45.01 4.31 0.00
WEST CANADA___HYD 24049	41.95 0.21 0.00	37.79 0.15 0.00	33.65 0.17 0.00	33.34 0.17 0.00	32.47 0.16 0.00	31.39 0.16 0.00	33.91 0.17 0.00	34.37 0.17 0.00	36.60 0.22 0.00	34.94 0.17 0.00	36.01 0.18 0.00	37.43 0.19 0.00	38.96 0.19 0.00	41.96 0.21 0.00	44.65 0.22 0.00	46.54 0.28 0.00	51.89 0.21 0.00	56.76 0.34 0.00	56.76 0.34 0.00	56.59 0.28 0.00	54.13 0.11 0.00	51.45 0.10 0.00	45.52 0.14 0.00	40.82 0.12 0.00
WESTERN_NY_WIND 24143	41.53 -0.21 0.00	36.85 -0.79 0.00	32.94 -0.54 0.00	32.71 -0.46 0.00	31.60 -0.71 0.00	31.07 -0.16 0.00	33.54 -0.20 0.00	33.96 -0.24 0.00	36.31 -0.07 0.00	35.01 0.24 0.00	36.08 0.25 0.00	37.51 0.26 0.00	38.49 -0.27 0.00	41.38 -0.38 0.00	43.90 -0.53 0.00	45.89 -0.37 0.00	50.90 -0.78 0.00	56.47 0.06 0.00	57.20 0.79 0.00	57.49 1.18 0.00	55.04 1.03 0.00	51.76 0.41 0.00	45.34 -0.05 0.00	41.14 0.45 0.00
WESTOVER___LESR 323668	41.91 0.17 0.00	37.64 0.00 0.00	33.55 0.07 0.00	33.27 0.10 0.00	32.37 0.06 0.00	31.42 0.19 0.00	34.08 0.34 0.00	34.72 0.51 0.00	36.96 0.58 0.00	35.39 0.63 0.00	36.44 0.61 0.00	37.92 0.67 0.00	39.31 0.54 0.00	42.34 0.58 0.00	45.05 0.62 0.00	47.00 0.74 0.00	52.45 0.78 0.00	57.60 1.18 0.00	57.88 1.47 0.00	57.65 1.35 0.00	55.15 1.13 0.00	52.27 0.92 0.00	45.98 0.59 0.00	41.18 0.49 0.00
WETHRSFD_WT_PWR 323626	39.99 -1.75 0.00	35.68 -1.96 0.00	32.01 -1.47 0.00	31.81 -1.36 0.00	30.82 -1.49 0.00	30.20 -1.03 0.00	32.53 -1.21 0.00	32.94 -1.26 0.00	35.14 -1.24 0.00	33.86 -0.90 0.00	34.90 -0.93 0.00	36.24 -1.00 0.00	37.25 -1.51 0.00	40.00 -1.75 0.00	42.34 -2.09 0.00	44.22 -2.03 0.00	49.25 -2.43 0.00	54.67 -1.75 0.00	55.51 -0.90 0.00	56.30 0.00 0.00	53.64 -0.38 0.00	50.83 -0.51 0.00	44.52 -0.86 0.00	40.12 -0.57 0.00
WHAVSTOR_138KV_BK127 55557	44.37 2.63 0.00	39.78 2.15 0.00	35.19 1.71 0.00	34.80 1.63 0.00	33.93 1.62 0.00	32.76 1.53 0.00	35.59 1.86 0.00	36.49 2.29 0.00	39.00 2.62 0.00	37.37 2.61 0.00	38.59 2.76 0.00	40.19 2.94 0.00	42.06 3.30 0.00	45.38 3.63 0.00	48.29 3.87 0.00	50.10 3.84 0.00	55.76 4.08 0.00	60.76 4.34 0.00	60.53 4.12 0.00	59.29 2.98 0.00	56.56 2.54 0.00	53.86 2.52 0.00	47.93 2.54 0.00	43.05 2.36 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	44.37 2.63 0.00	39.78 2.15 0.00	35.19 1.71 0.00	34.80 1.63 0.00	33.93 1.62 0.00	32.76 1.53 0.00	35.59 1.86 0.00	36.49 2.29 0.00	39.00 2.62 0.00	37.37 2.61 0.00	38.59 2.76 0.00	40.19 2.94 0.00	42.06 3.30 0.00	45.38 3.63 0.00	48.29 3.87 0.00	50.10 3.84 0.00	55.76 4.08 0.00	60.76 4.34 0.00	60.53 4.12 0.00	59.29 2.98 0.00	56.56 2.54 0.00	53.86 2.52 0.00	47.93 2.54 0.00	43.05 2.36 0.00
WHITEHAL_115KV_TB1 80871	45.29 3.55 0.00	40.54 2.90 0.00	35.76 2.28 0.00	35.30 2.12 0.00	34.38 2.07 0.00	33.45 2.22 0.00	36.17 2.43 0.00	36.56 2.36 0.00	38.71 2.33 0.00	36.71 1.95 0.00	37.34 1.50 0.00	38.96 1.71 0.00	40.39 1.63 0.00	43.42 1.67 0.00	46.29 1.87 0.00	48.38 2.13 0.00	54.68 3.00 0.00	60.31 3.89 0.00	60.31 3.89 0.00	60.13 3.83 0.00	57.15 3.13 0.00	54.68 3.34 0.00	48.24 2.86 0.00	43.01 2.32 0.00
WHITEPLN_13_KV_LOAD 356215	45.08 3.34 0.00	40.31 2.67 0.00	35.62 2.14 0.00	35.26 2.09 0.00	34.38 2.07 0.00	33.17 1.94 0.00	36.07 2.33 0.00	37.01 2.80 0.00	39.66 3.27 0.00	38.03 3.27 0.00	39.27 3.44 0.00	40.93 3.69 0.00	42.80 4.03 0.00	46.30 4.55 0.00	49.32 4.89 0.00	51.30 5.04 0.00	57.10 5.43 0.00	62.11 5.70 0.00	61.72 5.30 0.00	60.41 4.11 0.00	57.64 3.62 0.00	54.79 3.44 0.00	48.79 3.40 0.00	43.79 3.09 0.00
WM_FLOYD_69_KV_BK2 356380	45.87 4.13 0.00	40.76 3.12 0.00	35.65 2.18 0.00	34.83 1.66 0.00	33.96 1.65 0.00	32.60 1.37 0.00	35.76 2.02 0.00	36.70 2.50 0.00	39.33 2.95 0.00	38.48 3.72 0.00	39.59 3.76 0.00	41.05 3.80 0.00	46.26 4.61 -2.88	48.41 5.26 -1.40	50.23 5.69 -0.12	56.92 5.55 -5.11	60.90 5.99 -3.22	70.26 6.60 -7.25	63.71 5.81 -1.49	59.85 3.55 0.00	56.56 2.54 0.00	53.71 2.36 0.00	48.74 3.36 0.00	44.48 3.78 0.00
WOODARD___115KV_TB2 355635	41.24 -0.50 0.00	37.26 -0.38 0.00	33.18 -0.30 0.00	32.87 -0.30 0.00	31.99 -0.32 0.00	30.98 -0.25 0.00	33.60 -0.13 0.00	34.00 -0.21 0.00	36.16 -0.22 0.00	34.62 -0.14 0.00	35.69 -0.14 0.00	37.10 -0.15 0.00	38.49 -0.27 0.00	41.46 -0.29 0.00	44.12 -0.31 0.00	46.03 -0.23 0.00	51.37 -0.31 0.00	56.30 -0.11 0.00	56.41 0.00 0.00	56.30 0.00 0.00	53.85 -0.16 0.00	51.09 -0.26 0.00	44.98 -0.41 0.00	40.24 -0.45 0.00
WOODMERE_69_KV_BK1 55827	46.00 4.26 0.00	41.03 3.39 0.00	36.02 2.54 0.00	35.36 2.19 0.00	34.44 2.13 0.00	33.14 1.91 0.00	36.24 2.50 0.00	37.21 3.01 0.00	39.91 3.53 0.00	38.62 3.86 0.00	39.92 4.08 0.00	41.61 4.36 0.00	46.37 4.73 -2.88	48.37 5.22 -1.40	50.94 5.64 -0.87	52.04 5.78 0.00	72.69 6.36 -14.66	98.00 6.88 -34.70	89.71 6.66 -26.64	61.03 4.73 0.00	57.74 3.73 0.00	54.84 3.49 0.00	49.33 3.95 0.00	44.76 4.07 0.00
YORK___WARBASSE 23770	45.21 3.46 -0.01	40.51 2.86 -0.01	35.83 2.34 -0.01	35.36 2.19 0.00	34.41 2.10 0.00	33.17 1.94 0.00	36.20 2.46 0.00	37.19 2.98 -0.01	39.76 3.38 0.00	38.18 3.41 -0.01	39.49 3.65 -0.01	41.17 3.91 -0.01	43.08 4.30 -0.01	46.52 4.76 -0.01	49.50 5.06 -0.01	51.40 5.13 -0.01	57.05 5.37 0.00	61.83 5.42 0.00	61.49 5.08 0.00	60.19 3.88 0.00	57.42 3.40 0.00	54.85 3.49 -0.01	48.98 3.59 -0.01	43.96 3.26 -0.01