

# Day Ahead Market Generator LBMP

		--- LBMP \$								--- Marginal Cost of Losses								--- Marginal Cost of Congestion										
Generator Data		11/29/2025																										
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	EST	50.44	47.42	45.53	45.33	45.71	48.37	58.49	59.88	53.37	45.38	45.95	45.93	45.87	46.96	51.44	60.05	76.49	87.26	86.53	77.08	70.49	62.90	58.34	58.81			
		2.72	2.43	2.21	2.16	2.09	2.30	2.89	3.65	3.26	2.81	2.93	3.00	2.84	2.74	2.82	3.35	4.06	4.55	4.74	4.16	3.93	3.56	2.94	2.85			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	EST	50.58	47.51	45.62	45.42	45.80	48.46	58.65	59.93	53.47	45.42	45.95	45.94	45.93	47.05	51.59	60.22	76.71	87.51	86.69	77.30	70.69	63.07	58.51	58.92			
		2.86	2.52	2.30	2.24	2.18	2.40	3.06	3.71	3.36	2.85	2.93	3.00	2.88	2.83	2.97	3.52	4.27	4.80	4.91	4.38	4.13	3.74	3.10	2.97			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	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	EST	50.58	47.51	45.62	45.42	45.80	48.46	58.65	59.93	53.47	45.42	45.95	45.94	45.93	47.05	51.59	60.22	76.71	87.51	86.69	77.30	70.69	63.07	58.51	58.92			
		2.86	2.52	2.30	2.24	2.18	2.40	3.06	3.71	3.36	2.85	2.93	3.00	2.88	2.83	2.97	3.52	4.27	4.80	4.91	4.38	4.13	3.74	3.10	2.97			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	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	EST	51.16	48.19	46.35	46.19	46.59	49.20	59.54	60.33	53.37	44.91	45.30	45.03	45.05	46.34	51.20	59.99	77.29	88.34	87.35	77.81	71.09	63.49	59.18	59.87			
		3.44	3.19	3.03	3.02	2.97	3.13	3.95	4.10	3.26	2.34	2.28	2.10	2.02	2.12	2.58	3.29	4.85	5.62	5.56	4.89	4.53	4.15	3.77	3.92			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	EST	51.49	48.50	46.61	46.45	46.89	49.52	59.88	60.61	53.57	45.08	45.43	45.11	45.18	46.47	51.34	60.16	77.72	88.84	87.84	78.24	71.49	63.79	59.51	60.15			
		3.77	3.51	3.29	3.28	3.27	3.46	4.28	4.39	3.46	2.51	2.41	2.19	2.15	2.25	2.72	3.46	5.29	6.12	6.05	5.32	4.93	4.45	4.10	4.20			
		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			
ADK S GLENS___FALLS 24028	EST	51.16	48.19	46.35	46.19	46.59	49.20	59.54	60.33	53.37	44.91	45.30	45.03	45.05	46.34	51.20	59.99	77.29	88.34	87.35	77.81	71.09	63.49	59.18	59.87			
		3.44	3.19	3.03	3.02	2.97	3.13	3.95	4.10	3.26	2.34	2.28	2.10	2.02	2.12	2.58	3.29	4.85	5.62	5.56	4.89	4.53	4.15	3.77	3.92			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	EST	50.68	47.65	45.79	45.54	45.93	48.51	58.43	59.20	52.72	44.65	45.17	45.03	45.01	46.25	50.91	59.37	75.84	86.60	85.79	76.42	69.89	62.48	58.18	58.81			
		2.96	2.65	2.47	2.37	2.31	2.44	2.83	2.98	2.60	2.09	2.15	2.10	1.98	2.04	2.29	2.67	3.41	3.89	4.01	3.50	3.33	3.14	2.77	2.85			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	EST	49.01	46.21	44.40	44.25	44.62	47.08	56.76	57.46	51.17	43.42	43.93	43.78	43.85	45.06	49.50	57.61	73.31	83.63	82.77	73.80	67.43	60.46	56.46	57.13			
		1.29	1.21	1.08	1.08	1.00	1.01	1.17	1.24	1.05	0.85	0.90	0.86	0.82	0.84	0.88	0.91	0.87	0.91	0.98	0.88	0.87	1.13	1.05	1.18			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	EST	47.34	44.68	43.06	42.91	43.40	45.84	55.48	56.11	49.96	42.40	42.94	42.84	42.99	44.22	48.77	56.70	72.80	83.05	82.20	73.36	66.97	59.75	55.85	56.40			
		-0.38	-0.31	-0.26	-0.26	-0.22	-0.23	-0.11	-0.11	-0.15	-0.17	-0.09	-0.09	-0.04	0.00	0.15	0.00	0.36	0.33	0.41	0.44	0.40	0.42	0.44	0.45			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	EST	49.87	46.92	45.14	44.98	45.41	47.91	57.76	58.41	51.72	43.63	44.05	43.91	43.98	45.24	49.88	58.29	74.61	85.28	84.40	75.25	68.70	61.47	57.35	58.02			
		2.15	1.93	1.82	1.81	1.79	1.84	2.17	2.19	1.60	1.06	1.03	0.99	0.95	1.02	1.26	1.59	2.17	2.57	2.62	2.33	2.13	2.13	1.94	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			
ALBANY_2_SOLAR 323834	EST	49.82	46.92	45.14	44.98	45.41	47.91	57.76	58.36	51.67	43.63	44.05	43.91	43.98	45.24	49.84	58.29	74.61	85.19	84.40	75.18	68.70	61.47	57.35	58.02			
		2.10	1.93	1.82	1.81	1.79	1.84	2.17	2.14	1.56	1.06	1.03	0.99	0.95	1.02	1.22	1.59	2.17	2.48	2.62	2.26	2.13	2.13	1.94	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			
ALBANY___1 23571	EST	49.01	46.21	44.40	44.25	44.62	47.08	56.76	57.46	51.17	43.42	43.93	43.78	43.85	45.06	49.50	57.61	73.31	83.63	82.77	73.80	67.43	60.46	56.46	57.13			
		1.29	1.21	1.08	1.08	1.00	1.01	1.17	1.24	1.05	0.85	0.90	0.86	0.82	0.84	0.88	0.91	0.87	0.91	0.98	0.88	0.87	1.13	1.05	1.18			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	49.01 1.29 0.00	46.21 1.21 0.00	44.40 1.08 0.00	44.25 1.08 0.00	44.62 1.00 0.00	47.08 1.01 0.00	56.76 1.17 0.00	57.46 1.24 0.00	51.17 1.05 0.00	43.42 0.85 0.00	43.93 0.90 0.00	43.78 0.86 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.61 0.91 0.00	73.31 0.87 0.00	83.63 0.91 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.43 0.87 0.00	60.46 1.13 0.00	56.46 1.05 0.00	57.13 1.18 0.00
ALBANY___3 23573	49.01 1.29 0.00	46.21 1.21 0.00	44.40 1.08 0.00	44.25 1.08 0.00	44.62 1.00 0.00	47.08 1.01 0.00	56.76 1.17 0.00	57.46 1.24 0.00	51.17 1.05 0.00	43.42 0.85 0.00	43.93 0.90 0.00	43.78 0.86 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.61 0.91 0.00	73.31 0.87 0.00	83.63 0.91 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.43 0.87 0.00	60.46 1.13 0.00	56.46 1.05 0.00	57.13 1.18 0.00
ALBANY___4 23574	49.01 1.29 0.00	46.21 1.21 0.00	44.40 1.08 0.00	44.25 1.08 0.00	44.62 1.00 0.00	47.08 1.01 0.00	56.76 1.17 0.00	57.46 1.24 0.00	51.17 1.05 0.00	43.42 0.85 0.00	43.93 0.90 0.00	43.78 0.86 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.61 0.91 0.00	73.31 0.87 0.00	83.63 0.91 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.43 0.87 0.00	60.46 1.13 0.00	56.46 1.05 0.00	57.13 1.18 0.00
ALBANY___LFGE 323615	49.58 1.86 0.00	46.66 1.67 0.00	44.84 1.52 0.00	44.68 1.51 0.00	45.06 1.44 0.00	47.58 1.52 0.00	57.26 1.67 0.00	57.97 1.74 0.00	51.57 1.45 0.00	43.72 1.15 0.00	44.23 1.20 0.00	44.08 1.16 0.00	44.15 1.12 0.00	45.41 1.19 0.00	49.93 1.31 0.00	58.12 1.42 0.00	74.03 1.59 0.00	84.46 1.74 0.00	83.58 1.80 0.00	74.45 1.53 0.00	68.10 1.53 0.00	60.99 1.66 0.00	56.96 1.55 0.00	57.58 1.62 0.00
ALCOA_PA_115KV_PL-6C 55860	47.63 -0.10 0.00	44.99 0.00 0.00	43.37 0.04 0.00	43.21 0.04 0.00	43.66 0.04 0.00	46.11 0.05 0.00	55.87 0.28 0.00	56.45 0.22 0.00	50.26 0.15 0.00	42.61 0.04 0.00	43.15 0.13 0.00	43.05 0.13 0.00	43.20 0.17 0.00	44.44 0.22 0.00	48.96 0.34 0.00	56.93 0.23 0.00	73.16 0.72 0.00	83.46 0.74 0.00	82.61 0.82 0.00	73.72 0.80 0.00	67.37 0.80 0.00	60.11 0.77 0.00	56.18 0.78 0.00	56.85 0.90 0.00
ALCOA_RYNLDS___DRP 24188	47.63 -0.10 0.00	44.99 0.00 0.00	43.37 0.04 0.00	43.21 0.04 0.00	43.66 0.04 0.00	46.11 0.05 0.00	55.87 0.28 0.00	56.45 0.22 0.00	50.26 0.15 0.00	42.61 0.04 0.00	43.15 0.13 0.00	43.05 0.13 0.00	43.20 0.17 0.00	44.44 0.22 0.00	48.96 0.34 0.00	56.93 0.23 0.00	73.16 0.72 0.00	83.46 0.74 0.00	82.61 0.82 0.00	73.72 0.80 0.00	67.37 0.80 0.00	60.11 0.77 0.00	56.18 0.78 0.00	56.85 0.90 0.00
ALCOA___DSASP 323711	47.63 -0.10 0.00	44.99 0.00 0.00	43.37 0.04 0.00	43.21 0.04 0.00	43.66 0.04 0.00	46.11 0.05 0.00	55.87 0.28 0.00	56.45 0.22 0.00	50.26 0.15 0.00	42.61 0.04 0.00	43.15 0.13 0.00	43.05 0.13 0.00	43.20 0.17 0.00	44.44 0.22 0.00	48.96 0.34 0.00	56.93 0.23 0.00	73.16 0.72 0.00	83.46 0.74 0.00	82.61 0.82 0.00	73.72 0.80 0.00	67.37 0.80 0.00	60.11 0.77 0.00	56.18 0.78 0.00	56.85 0.90 0.00
ALLEGHENY___COGEN 23514	48.25 0.53 0.00	45.84 0.85 0.00	44.49 1.17 0.00	44.46 1.29 0.00	45.10 1.48 0.00	47.72 1.66 0.00	57.76 2.17 0.00	58.47 2.25 0.00	51.97 1.86 0.00	43.80 1.24 0.00	44.05 1.03 0.00	43.87 0.94 0.00	44.28 1.25 0.00	45.59 1.37 0.00	50.32 1.70 0.00	58.86 2.15 0.00	75.55 3.11 0.00	87.59 4.88 0.00	86.12 4.33 0.00	76.71 3.79 0.00	69.23 2.67 0.00	60.88 1.54 0.00	57.29 1.88 0.00	57.46 1.51 0.00
ALTAMONT_115KV_TB 2 55880	48.96 1.24 0.00	46.12 1.12 0.00	44.36 1.04 0.00	44.16 0.99 0.00	44.58 0.96 0.00	47.08 1.01 0.00	56.76 1.17 0.00	57.57 1.35 0.00	51.22 1.10 0.00	43.46 0.89 0.00	43.97 0.95 0.00	43.83 0.90 0.00	43.89 0.86 0.00	45.10 0.88 0.00	49.54 0.92 0.00	57.72 1.02 0.00	73.59 1.16 0.00	83.96 1.24 0.00	83.18 1.39 0.00	74.09 1.17 0.00	67.76 1.20 0.00	60.52 1.19 0.00	56.52 1.11 0.00	57.13 1.18 0.00
ALTONA_WT_PWR 323606	46.34 -1.39 0.00	43.82 -1.17 0.00	42.24 -1.08 0.00	42.09 -1.08 0.00	42.57 -1.05 0.00	45.01 -1.06 0.00	54.60 -1.00 0.00	55.32 -0.90 0.00	49.36 -0.75 0.00	41.88 -0.68 0.00	42.51 -0.51 0.00	42.49 -0.43 0.00	42.68 -0.35 0.00	44.04 -0.18 0.00	48.67 0.05 0.00	56.81 0.11 0.00	73.09 0.65 0.00	83.63 0.91 0.00	82.85 1.06 0.00	73.94 1.02 0.00	67.57 1.00 0.00	60.23 0.89 0.00	56.29 0.88 0.00	56.85 0.89 0.00
AMERICAN_REF_FUEL 24010	45.86 -1.86 0.00	43.91 -1.08 0.00	42.54 -0.78 0.00	42.35 -0.82 0.00	43.10 -0.52 0.00	45.47 -0.60 0.00	53.76 -1.83 0.00	53.81 -2.42 0.00	48.21 -1.90 0.00	41.38 -1.19 0.00	41.99 -1.03 0.00	41.98 -0.94 0.00	42.43 -0.60 0.00	43.73 -0.49 0.00	48.09 -0.53 0.00	55.45 -1.25 0.00	69.68 -2.75 0.00	79.90 -2.81 0.00	77.86 -3.92 0.00	69.64 -3.28 0.00	62.70 -3.86 0.00	55.60 -3.74 0.00	52.86 -2.55 0.00	53.88 -2.07 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	45.34 -2.38 0.00	43.33 -1.66 0.00	42.15 -1.17 0.00	42.13 -1.04 0.00	43.14 -0.48 0.00	45.97 -0.09 0.00	55.43 -0.17 0.00	56.17 -0.06 0.00	50.37 0.25 0.00	43.29 0.72 0.00	43.84 0.82 0.00	43.87 0.94 0.00	44.37 1.34 0.00	45.72 1.50 0.00	50.22 1.60 0.00	58.12 1.42 0.00	73.45 1.01 0.00	84.28 1.57 0.00	81.95 0.16 0.00	72.78 -0.15 0.00	65.04 -1.53 0.00	57.08 -2.25 0.00	53.69 -1.72 0.00	53.77 -2.18 0.00
ARTHUR KILL_GT_1 23520	50.44 2.72 0.00	47.33 2.34 0.00	45.36 2.04 0.00	45.16 1.99 0.00	45.50 1.88 0.00	48.14 2.07 0.00	58.26 2.67 0.00	59.60 3.37 0.00	53.07 2.96 0.00	45.04 2.47 0.00	45.56 2.54 0.00	45.56 2.62 -0.02	45.54 2.50 -0.02	46.70 2.48 0.00	51.25 2.63 0.00	59.88 3.18 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.29 2.88 0.00	58.69 2.74 0.00
ARTHUR_KILL_2 23512	50.54 2.81 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.54 1.92 0.00	48.09 2.02 0.00	58.15 2.56 0.00	59.43 3.20 0.00	52.92 2.80 0.00	44.96 2.38 -0.01	45.44 2.41 -0.01	45.47 2.53 -0.02	45.41 2.37 -0.02	46.57 2.34 -0.01	51.10 2.48 0.00	59.70 3.00 0.00	76.13 3.69 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.23 3.66 0.00	62.72 3.38 0.00	58.12 2.71 0.00	58.53 2.58 0.00
ARTHUR_KILL_3 23513	50.39 2.67 0.00	47.28 2.29 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.59 1.96 0.00	48.19 2.12 0.00	58.21 2.61 0.00	59.48 3.26 0.00	53.07 2.96 0.00	45.09 2.51 -0.01	45.61 2.58 -0.01	45.60 2.66 -0.02	45.54 2.49 -0.02	46.66 2.43 -0.01	51.15 2.53 0.00	59.70 3.00 0.00	76.06 3.62 0.00	86.69 3.97 0.00	85.96 4.17 0.00	76.64 3.72 0.00	70.09 3.53 0.00	62.54 3.20 0.00	58.01 2.60 0.00	58.41 2.46 0.00



ARTHUR_KILL_COGEN 323718	50.68 2.96 0.00	47.42 2.43 0.00	45.57 2.25 0.00	45.33 2.16 0.00	45.67 2.05 0.00	48.23 2.17 0.00	58.32 2.72 0.00	59.60 3.37 0.00	53.07 2.96 0.00	45.04 2.47 -0.01	45.57 2.54 -0.01	45.56 2.62 -0.02	45.54 2.49 -0.02	46.70 2.47 -0.01	51.24 2.62 0.00	59.87 3.17 0.00	76.42 3.98 0.00	87.18 4.46 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.29 2.88 0.00	58.69 2.74 0.00
ASHOKAN____ 23654	50.20 2.48 0.00	47.06 2.07 0.00	45.23 1.90 0.00	45.07 1.90 0.00	45.63 2.01 0.00	47.91 1.84 0.00	57.98 2.39 0.00	58.92 2.70 0.00	51.87 1.75 0.00	43.46 0.90 0.00	43.63 0.60 0.00	43.40 0.47 0.00	43.42 0.39 0.00	44.75 0.53 0.00	49.35 0.73 0.00	58.12 1.42 0.00	75.26 2.82 0.00	86.27 3.55 0.00	85.79 4.01 0.00	76.49 3.57 0.00	69.43 2.86 0.00	62.24 2.91 0.00	57.79 2.38 0.00	58.47 2.52 0.00
ASTORIA_EAST_ENERGY_CC1 323581	50.34 2.62 0.01	47.19 2.20 0.01	45.53 2.21 0.00	45.33 2.16 0.00	45.53 1.92 0.01	47.99 1.93 0.01	58.03 2.44 0.01	59.31 3.09 0.01	52.91 2.80 0.01	45.12 2.55 0.00	45.70 2.67 -0.01	45.72 2.79 -0.01	45.62 2.58 -0.01	46.69 2.47 0.00	51.04 2.43 0.01	59.64 2.95 0.01	75.69 3.26 0.01	86.26 3.55 0.01	85.54 3.76 0.01	76.34 3.43 0.01	69.89 3.33 0.01	62.47 3.14 0.01	57.95 2.55 0.01	58.35 2.40 0.01
ASTORIA_EAST_ENERGY_CC2 323582	50.34 2.62 0.01	47.19 2.20 0.01	45.53 2.21 0.00	45.33 2.16 0.00	45.53 1.92 0.01	47.99 1.93 0.01	58.03 2.44 0.01	59.31 3.09 0.01	52.91 2.80 0.01	45.12 2.55 0.00	45.70 2.67 -0.01	45.72 2.79 -0.01	45.62 2.58 -0.01	46.69 2.47 0.00	51.04 2.43 0.01	59.64 2.95 0.01	75.69 3.26 0.01	86.26 3.55 0.01	85.54 3.76 0.01	76.34 3.43 0.01	69.89 3.33 0.01	62.47 3.14 0.01	57.95 2.55 0.01	58.35 2.40 0.01
ASTORIA_GT2_1 24094	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT2_2 24095	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT2_3 24096	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT2_4 24097	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT3_1 24098	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT3_2 24099	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT3_3 24100	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT3_4 24101	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT4_1 24102	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT4_2 24103	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT4_3 24104	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00



ASTORIA_GT4_4 24105	50.11 2.39 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.16 1.99 0.00	45.37 1.74 0.00	47.91 1.84 0.00	57.99 2.39 0.00	59.37 3.15 0.00	52.97 2.86 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.77 2.83 -0.02	45.67 2.62 -0.02	46.70 2.48 0.00	51.10 2.48 0.00	59.65 2.95 0.00	75.77 3.33 0.00	86.27 3.56 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.96 3.39 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.36 2.41 0.00
ASTORIA_GT_1 23523	50.20 2.48 0.00	47.15 2.16 0.00	45.31 1.99 0.00	45.20 2.03 0.00	45.41 1.79 0.00	48.00 1.93 0.00	58.10 2.50 0.00	59.48 3.26 0.00	53.07 2.96 0.00	45.21 2.64 0.00	45.78 2.75 0.00	45.86 2.92 -0.02	45.76 2.71 -0.02	46.78 2.56 0.00	51.20 2.58 0.00	59.76 3.06 0.00	75.91 3.48 0.00	86.44 3.72 0.00	85.80 4.01 0.00	76.49 3.57 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.07 2.66 0.00	58.47 2.52 0.00
ASTORIA_GT_10 24110	50.39 2.67 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.29 2.12 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.87 2.65 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.35 3.91 0.00	86.93 4.22 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.75 2.80 0.00
ASTORIA_GT_11 24225	50.39 2.67 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.29 2.12 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.87 2.65 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.35 3.91 0.00	86.93 4.22 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.75 2.80 0.00
ASTORIA_GT_12 24226	50.39 2.67 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.29 2.12 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.87 2.65 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.35 3.91 0.00	86.93 4.22 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.75 2.80 0.00
ASTORIA_GT_13 24227	50.39 2.67 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.29 2.12 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.87 2.65 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.35 3.91 0.00	86.93 4.22 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.75 2.80 0.00
ASTORIA_GT_5 24106	50.20 2.48 0.00	47.15 2.16 0.00	45.31 1.99 0.00	45.20 2.03 0.00	45.41 1.79 0.00	48.00 1.93 0.00	58.10 2.50 0.00	59.48 3.26 0.00	53.07 2.96 0.00	45.21 2.64 0.00	45.78 2.75 0.00	45.86 2.92 -0.02	45.76 2.71 -0.02	46.78 2.56 0.00	51.20 2.58 0.00	59.76 3.06 0.00	75.91 3.48 0.00	86.44 3.72 0.00	85.80 4.01 0.00	76.49 3.57 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.07 2.66 0.00	58.47 2.52 0.00
ASTORIA_GT_7 24107	50.20 2.48 0.00	47.15 2.16 0.00	45.31 1.99 0.00	45.20 2.03 0.00	45.41 1.79 0.00	48.00 1.93 0.00	58.10 2.50 0.00	59.48 3.26 0.00	53.07 2.96 0.00	45.21 2.64 0.00	45.78 2.75 0.00	45.86 2.92 -0.02	45.76 2.71 -0.02	46.78 2.56 0.00	51.20 2.58 0.00	59.76 3.06 0.00	75.91 3.48 0.00	86.44 3.72 0.00	85.80 4.01 0.00	76.49 3.57 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.07 2.66 0.00	58.47 2.52 0.00
ASTORIA_GT_8 24108	50.20 2.48 0.00	47.15 2.16 0.00	45.31 1.99 0.00	45.20 2.03 0.00	45.41 1.79 0.00	48.00 1.93 0.00	58.10 2.50 0.00	59.48 3.26 0.00	53.07 2.96 0.00	45.21 2.64 0.00	45.78 2.75 0.00	45.86 2.92 -0.02	45.76 2.71 -0.02	46.78 2.56 0.00	51.20 2.58 0.00	59.76 3.06 0.00	75.91 3.48 0.00	86.44 3.72 0.00	85.80 4.01 0.00	76.49 3.57 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.07 2.66 0.00	58.47 2.52 0.00
ASTORIA___2 24149	50.34 2.62 0.01	47.19 2.20 0.01	45.53 2.21 0.00	45.33 2.16 0.00	45.58 1.96 0.01	48.04 1.98 0.01	58.09 2.50 0.01	59.36 3.15 0.01	52.96 2.85 0.01	45.12 2.55 0.00	45.70 2.67 -0.01	45.76 2.83 -0.01	45.66 2.63 -0.01	46.69 2.47 0.00	51.09 2.48 0.01	59.64 2.95 0.01	75.76 3.33 0.01	86.26 3.55 0.01	85.62 3.84 0.01	76.34 3.43 0.01	69.95 3.39 0.01	62.47 3.14 0.01	57.95 2.55 0.01	58.35 2.40 0.01
ASTORIA___3 23516	50.68 2.96 0.00	47.46 2.47 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.48 2.89 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.26 2.68 -0.01	45.79 2.76 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.88 2.65 -0.01	51.39 2.77 0.00	60.05 3.34 0.00	76.34 3.91 0.00	86.93 4.22 0.00	86.28 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.93 0.00	58.75 2.80 0.00
ASTORIA___4 23517	50.39 2.67 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.29 2.12 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.87 2.65 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.35 3.91 0.00	86.93 4.22 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.75 2.80 0.00
ASTORIA___5 23518	50.68 2.96 0.00	47.46 2.47 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.48 2.89 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.26 2.68 -0.01	45.79 2.76 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.88 2.65 -0.01	51.39 2.77 0.00	60.05 3.34 0.00	76.34 3.91 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.93 0.00	58.75 2.80 0.00
AST_ENERGY_2_CC3 323677	49.76 2.05 0.01	46.83 1.85 0.01	45.27 1.95 0.00	45.03 1.86 0.00	45.27 1.66 0.01	47.49 1.43 0.01	57.42 1.83 0.01	58.69 2.47 0.01	52.36 2.26 0.01	44.82 2.25 0.00	45.40 2.36 -0.01	45.46 2.53 -0.01	45.36 2.32 -0.01	46.39 2.17 0.00	50.51 1.89 0.01	58.96 2.27 0.01	74.89 2.46 0.01	85.27 2.57 0.01	84.64 2.86 0.01	75.46 2.55 0.01	69.15 2.59 0.01	61.76 2.43 0.01	57.28 1.88 0.01	57.68 1.74 0.01
AST_ENERGY_2_CC4 323678	49.76 2.05 0.01	46.83 1.85 0.01	45.27 1.95 0.00	45.03 1.86 0.00	45.27 1.66 0.01	47.49 1.43 0.01	57.42 1.83 0.01	58.69 2.47 0.01	52.36 2.26 0.01	44.82 2.25 0.00	45.40 2.36 -0.01	45.46 2.53 -0.01	45.36 2.32 -0.01	46.39 2.17 0.00	50.51 1.89 0.01	58.96 2.27 0.01	74.89 2.46 0.01	85.27 2.57 0.01	84.64 2.86 0.01	75.46 2.55 0.01	69.15 2.59 0.01	61.76 2.43 0.01	57.28 1.88 0.01	57.68 1.74 0.01



ATHENS_STG_1 23668	49.34 1.62 0.00	46.39 1.40 0.00	44.62 1.30 0.00	44.46 1.29 0.00	44.84 1.22 0.00	47.35 1.29 0.00	57.10 1.50 0.00	57.97 1.74 0.00	51.62 1.50 0.00	43.80 1.24 0.00	44.31 1.29 0.00	44.21 1.29 0.00	44.28 1.25 0.00	45.46 1.24 0.00	49.84 1.22 0.00	58.06 1.36 0.00	74.03 1.59 0.00	84.37 1.65 0.00	83.67 1.88 0.00	74.52 1.60 0.00	68.16 1.59 0.00	60.88 1.54 0.00	56.79 1.39 0.00	57.46 1.51 0.00
ATHENS_STG_2 23670	49.34 1.62 0.00	46.39 1.40 0.00	44.62 1.30 0.00	44.46 1.29 0.00	44.84 1.22 0.00	47.35 1.29 0.00	57.10 1.50 0.00	57.97 1.74 0.00	51.62 1.50 0.00	43.80 1.24 0.00	44.31 1.29 0.00	44.21 1.29 0.00	44.28 1.25 0.00	45.46 1.24 0.00	49.84 1.22 0.00	58.06 1.36 0.00	74.03 1.59 0.00	84.37 1.65 0.00	83.67 1.88 0.00	74.52 1.60 0.00	68.16 1.59 0.00	60.88 1.54 0.00	56.79 1.39 0.00	57.46 1.51 0.00
ATHENS_STG_3 23677	49.34 1.62 0.00	46.39 1.40 0.00	44.62 1.30 0.00	44.46 1.29 0.00	44.84 1.22 0.00	47.35 1.29 0.00	57.10 1.50 0.00	57.97 1.74 0.00	51.62 1.50 0.00	43.80 1.24 0.00	44.31 1.29 0.00	44.21 1.29 0.00	44.28 1.25 0.00	45.46 1.24 0.00	49.84 1.22 0.00	58.06 1.36 0.00	74.03 1.59 0.00	84.37 1.65 0.00	83.67 1.88 0.00	74.52 1.60 0.00	68.16 1.59 0.00	60.88 1.54 0.00	56.79 1.39 0.00	57.46 1.51 0.00
AUBURN___LFGE 323710	47.67 -0.05 0.00	44.95 -0.04 0.00	43.32 0.00 0.00	43.26 0.09 0.00	43.75 0.13 0.00	46.16 0.09 0.00	55.82 0.22 0.00	56.28 0.06 0.00	50.21 0.10 0.00	42.70 0.13 0.00	43.15 0.13 0.00	43.01 0.09 0.00	43.20 0.17 0.00	44.35 0.13 0.00	48.77 0.15 0.00	56.98 0.28 0.00	72.87 0.43 0.00	83.46 0.74 0.00	82.20 0.41 0.00	73.29 0.36 0.00	66.70 0.13 0.00	59.16 -0.18 0.00	55.30 -0.11 0.00	55.67 -0.28 0.00
BABYLON_RES_REC 323704	52.07 3.67 -0.67	48.24 3.24 -0.01	46.36 3.03 -0.01	46.20 3.02 -0.01	46.60 2.97 -0.01	49.25 3.18 -0.01	59.44 3.83 -0.01	65.35 4.44 -4.68	53.93 3.81 -0.01	45.72 3.15 0.00	46.17 3.14 -0.01	46.11 3.18 -0.01	46.05 3.01 -0.01	47.89 3.05 -0.63	56.37 3.31 -4.44	73.52 4.03 -12.79	89.25 5.44 -11.38	98.43 5.87 -9.84	97.55 6.14 -9.62	98.02 5.40 -19.70	86.86 5.13 -15.16	78.48 4.51 -14.64	70.31 3.77 -11.14	59.66 3.69 -0.01
BALL_HILL_WT_PWR 323825	46.10 -1.62 0.00	43.96 -1.03 0.00	42.63 -0.69 0.00	42.52 -0.65 0.00	43.36 -0.26 0.00	45.97 -0.09 0.00	55.09 -0.50 0.00	55.55 -0.67 0.00	49.77 -0.35 0.00	42.70 0.13 0.00	43.24 0.22 0.00	43.27 0.34 0.00	43.72 0.69 0.00	45.06 0.84 0.00	49.54 0.92 0.00	57.27 0.57 0.00	72.29 -0.14 0.00	82.88 0.17 0.00	80.81 -0.98 0.00	72.12 -0.80 0.00	64.84 -1.73 0.00	57.20 -2.13 0.00	54.08 -1.33 0.00	54.44 -1.51 0.00
BARON_WINDS___WT_PWR 323822	46.19 -1.53 0.00	43.91 -1.08 0.00	42.54 -0.78 0.00	42.52 -0.65 0.00	43.36 -0.26 0.00	45.88 -0.18 0.00	55.37 -0.22 0.00	55.94 -0.28 0.00	50.01 -0.10 0.00	42.61 0.04 0.00	43.11 0.09 0.00	43.10 0.17 0.00	43.46 0.43 0.00	44.84 0.62 0.00	49.35 0.73 0.00	57.49 0.79 0.00	73.09 0.65 0.00	83.71 1.00 0.00	82.03 0.25 0.00	73.14 0.22 0.00	65.90 -0.67 0.00	58.09 -1.25 0.00	54.47 -0.94 0.00	54.67 -1.28 0.00
BARRETT_IC_1 23704	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_10 23701	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_11 23702	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_12 23703	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_2 23705	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_3 23706	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_4 23707	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_5 23708	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01



BARRETT_IC_6 23709	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_7 23710	51.03 2.62 -0.69	47.57 2.56 -0.01	45.71 2.38 -0.01	45.56 2.37 -0.01	45.99 2.36 -0.01	48.56 2.49 -0.01	58.66 3.06 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.72 0.00	45.74 2.71 -0.01	45.64 2.70 -0.01	45.58 2.54 -0.01	47.25 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.65 -20.11	85.70 3.66 -15.48	77.71 3.44 -14.94	69.60 2.83 -11.37	58.93 2.97 -0.01
BARRETT_IC_8 23711	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT_IC_9 23700	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT___1 23545	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BARRETT___2 23546	51.27 2.86 -0.69	47.66 2.65 -0.01	45.84 2.51 -0.01	45.68 2.50 -0.01	46.12 2.49 -0.01	48.65 2.58 -0.01	58.72 3.11 -0.01	64.38 3.37 -4.78	53.28 3.16 -0.01	45.29 2.73 0.00	45.75 2.71 -0.01	45.64 2.71 -0.01	45.58 2.54 -0.01	47.24 2.39 -0.64	55.68 2.53 -4.53	72.82 3.06 -13.05	87.67 3.62 -11.62	96.64 3.89 -10.04	95.78 4.17 -9.82	96.67 3.64 -20.11	85.70 3.66 -15.48	77.47 3.20 -14.94	69.60 2.82 -11.37	58.93 2.96 -0.01
BATAVIA___115KV_TB1 55881	47.29 -0.43 0.00	44.99 0.00 0.00	43.67 0.35 0.00	43.56 0.39 0.00	44.14 0.52 0.00	46.57 0.51 0.00	55.71 0.11 0.00	56.00 -0.22 0.00	50.11 0.00 0.00	42.74 0.17 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.76 0.73 0.00	45.10 0.88 0.00	49.64 1.02 0.00	57.49 0.79 0.00	72.73 0.29 0.00	83.71 0.99 0.00	81.62 -0.16 0.00	72.85 -0.07 0.00	65.70 -0.87 0.00	58.03 -1.31 0.00	55.08 -0.33 0.00	55.79 -0.17 0.00
BAYONEEC___CTG1 323682	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BAYONEEC___CTG10 323750	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BAYONEEC___CTG2 323683	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BAYONEEC___CTG3 323684	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BAYONEEC___CTG4 323685	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BAYONEEC___CTG5 323686	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BAYONEEC___CTG6 323687	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BAYONEEC___CTG7 323688	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00



BAYONEEC___CTG8 323689	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BAYONEEC___CTG9 323749	50.54 2.81 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
BEACON___LESR 323632	49.82 2.10 0.00	46.88 1.89 0.00	45.06 1.73 0.00	44.90 1.73 0.00	45.28 1.66 0.00	47.82 1.75 0.00	57.59 2.00 0.00	58.31 2.08 0.00	51.87 1.75 0.00	43.93 1.36 0.00	44.44 1.42 0.00	44.26 1.33 0.00	44.28 1.25 0.00	45.59 1.37 0.00	50.13 1.51 0.00	58.40 1.70 0.00	74.46 2.03 0.00	85.03 2.31 0.00	84.16 2.37 0.00	74.96 2.04 0.00	68.50 1.93 0.00	61.35 2.02 0.00	57.29 1.88 0.00	57.91 1.96 0.00
BEAVER RIVER___HYD 24048	47.34 -0.38 0.00	44.81 -0.18 0.00	43.15 -0.17 0.00	42.87 -0.30 0.00	43.40 -0.22 0.00	45.75 -0.32 0.00	55.09 -0.50 0.00	55.94 -0.28 0.00	49.81 -0.30 0.00	41.93 -0.64 0.00	42.38 -0.64 0.00	42.15 -0.77 0.00	42.26 -0.77 0.00	43.25 -0.97 0.00	47.65 -0.97 0.00	56.13 -0.57 0.00	72.29 -0.14 0.00	83.30 0.58 0.00	82.28 0.49 0.00	73.36 0.44 0.00	66.90 0.33 0.00	60.28 0.95 0.00	56.18 0.78 0.00	56.79 0.84 0.00
BEEBEE_GT_13 23619	47.01 -0.72 0.00	44.50 -0.49 0.00	43.11 -0.22 0.00	43.00 -0.17 0.00	43.49 -0.13 0.00	45.93 -0.14 0.00	55.32 -0.28 0.00	55.72 -0.51 0.00	49.86 -0.25 0.00	42.52 -0.04 0.00	43.15 0.13 0.00	43.10 0.17 0.00	43.46 0.43 0.00	44.71 0.49 0.00	49.20 0.58 0.00	57.10 0.40 0.00	72.51 0.07 0.00	83.13 0.41 0.00	81.38 -0.41 0.00	72.56 -0.36 0.00	65.70 -0.87 0.00	58.15 -1.19 0.00	54.85 -0.55 0.00	55.28 -0.67 0.00
BENSHRST_27_KV_BENSHRST_1 355998	50.63 2.91 0.00	47.56 2.56 0.00	45.57 2.25 0.00	45.37 2.20 0.00	45.71 2.09 0.00	48.37 2.30 0.00	58.54 2.95 0.00	59.88 3.65 0.00	53.37 3.26 0.00	45.38 2.81 0.00	45.91 2.88 0.00	45.90 2.96 -0.02	45.89 2.84 -0.02	47.00 2.79 0.00	51.59 2.97 0.00	60.22 3.52 0.00	76.78 4.35 0.00	87.60 4.88 0.00	86.86 5.07 0.00	77.51 4.59 0.00	70.83 4.26 0.00	63.25 3.92 0.00	58.57 3.16 0.00	58.97 3.02 0.00
BETHLEHEM___GRP 23843	49.01 1.29 0.00	46.21 1.21 0.00	44.40 1.08 0.00	44.25 1.08 0.00	44.62 1.00 0.00	47.08 1.01 0.00	56.76 1.17 0.00	57.46 1.24 0.00	51.17 1.05 0.00	43.42 0.85 0.00	43.93 0.90 0.00	43.78 0.86 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.61 0.91 0.00	73.31 0.87 0.00	83.63 0.91 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.43 0.87 0.00	60.46 1.13 0.00	56.46 1.05 0.00	57.13 1.18 0.00
BETHLEHEM___GS1 323560	49.15 1.43 0.00	46.25 1.26 0.00	44.49 1.17 0.00	44.29 1.12 0.00	44.71 1.09 0.00	47.22 1.15 0.00	56.76 1.17 0.00	57.46 1.24 0.00	51.17 1.05 0.00	43.42 0.85 0.00	43.93 0.90 0.00	43.78 0.86 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.61 0.90 0.00	73.31 0.87 0.00	83.63 0.91 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.43 0.86 0.00	60.46 1.12 0.00	56.46 1.05 0.00	57.13 1.18 0.00
BETHLEHEM___GS2 323561	49.15 1.43 0.00	46.25 1.26 0.00	44.49 1.17 0.00	44.29 1.12 0.00	44.71 1.09 0.00	47.22 1.15 0.00	56.76 1.17 0.00	57.46 1.24 0.00	51.17 1.05 0.00	43.42 0.85 0.00	43.93 0.90 0.00	43.78 0.86 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.61 0.90 0.00	73.31 0.87 0.00	83.63 0.91 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.43 0.86 0.00	60.46 1.12 0.00	56.46 1.05 0.00	57.13 1.18 0.00
BETHLEHEM___GS3 323562	49.15 1.43 0.00	46.25 1.26 0.00	44.49 1.17 0.00	44.29 1.12 0.00	44.71 1.09 0.00	47.22 1.15 0.00	56.76 1.17 0.00	57.46 1.24 0.00	51.17 1.05 0.00	43.42 0.85 0.00	43.93 0.90 0.00	43.78 0.86 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.61 0.90 0.00	73.31 0.87 0.00	83.63 0.91 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.43 0.86 0.00	60.46 1.12 0.00	56.46 1.05 0.00	57.13 1.18 0.00
BETHLEHEM___STEEL 23779	46.43 -1.29 0.00	44.18 -0.81 0.00	42.80 -0.52 0.00	42.74 -0.43 0.00	43.45 -0.17 0.00	45.93 -0.14 0.00	55.09 -0.50 0.00	55.44 -0.79 0.00	49.66 -0.45 0.00	42.61 0.04 0.00	43.20 0.17 0.00	43.18 0.26 0.00	43.68 0.65 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.21 0.51 0.00	72.00 -0.43 0.00	82.63 -0.08 0.00	80.56 -1.23 0.00	71.97 -0.95 0.00	64.77 -1.80 0.00	57.26 -2.08 0.00	54.24 -1.16 0.00	54.72 -1.23 0.00
BETHLHEM_115KV_TB1 79974	49.01 1.29 0.00	46.21 1.21 0.00	44.45 1.13 0.00	44.25 1.08 0.00	44.62 1.00 0.00	47.08 1.01 0.00	56.76 1.17 0.00	57.52 1.29 0.00	51.22 1.10 0.00	43.46 0.89 0.00	43.97 0.95 0.00	43.83 0.90 0.00	43.85 0.82 0.00	45.10 0.88 0.00	49.54 0.92 0.00	57.67 0.96 0.00	73.38 0.94 0.00	83.71 0.99 0.00	82.93 1.15 0.00	73.87 0.95 0.00	67.56 1.00 0.00	60.46 1.13 0.00	56.52 1.11 0.00	57.13 1.18 0.00
BETHPAGE_CC_5 323564	51.83 3.39 -0.72	48.15 3.15 -0.01	46.28 2.95 -0.01	46.12 2.94 -0.01	46.51 2.88 -0.01	49.16 3.09 -0.01	59.33 3.73 -0.01	65.48 4.27 -4.98	53.88 3.76 -0.01	45.72 3.15 0.00	46.22 3.18 -0.01	46.11 3.18 -0.01	46.10 3.06 -0.01	47.93 3.05 -0.67	56.60 3.26 -4.72	73.99 3.68 -13.61	89.11 4.57 -12.11	98.14 4.96 -10.47	97.27 5.24 -10.24	98.48 4.60 -20.96	87.09 4.39 -16.13	78.76 3.85 -15.57	70.58 3.32 -11.85	59.21 3.24 -0.01
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	46.48 -1.24 0.00	44.23 -0.76 0.00	42.85 -0.48 0.00	42.78 -0.39 0.00	43.53 -0.09 0.00	46.02 -0.05 0.00	55.26 -0.33 0.00	55.61 -0.62 0.00	49.81 -0.30 0.00	42.74 0.17 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.80 0.77 0.00	45.15 0.93 0.00	49.64 1.02 0.00	57.38 0.68 0.00	72.22 -0.22 0.00	82.96 0.25 0.00	80.81 -0.98 0.00	72.19 -0.73 0.00	64.97 -1.60 0.00	57.44 -1.90 0.00	54.36 -1.05 0.00	54.78 -1.18 0.00
BINGHAMTON___COGEN 23790	47.67 -0.05 0.00	44.99 0.00 0.00	43.41 0.09 0.00	43.30 0.13 0.00	43.84 0.22 0.00	46.30 0.23 0.00	55.87 0.28 0.00	56.50 0.28 0.00	50.41 0.30 0.00	42.91 0.34 0.00	43.32 0.30 0.00	43.22 0.30 0.00	43.42 0.39 0.00	44.62 0.40 0.00	49.11 0.49 0.00	57.27 0.57 0.00	73.02 0.58 0.00	83.46 0.74 0.00	82.20 0.41 0.00	73.36 0.44 0.00	66.70 0.13 0.00	59.22 -0.12 0.00	55.41 0.00 0.00	55.84 -0.11 0.00



BIXINCNT_115KV_LOAD 355685	45.62 -2.10 0.00	43.51 -1.48 0.00	42.28 -1.04 0.00	42.26 -0.91 0.00	43.10 -0.52 0.00	45.65 -0.41 0.00	55.09 -0.50 0.00	55.72 -0.51 0.00	49.96 -0.15 0.00	42.91 0.34 0.00	43.41 0.39 0.00	43.35 0.43 0.00	43.89 0.86 0.00	45.28 1.06 0.00	49.84 1.22 0.00	57.67 0.96 0.00	72.80 0.36 0.00	83.63 0.91 0.00	81.46 -0.33 0.00	72.63 -0.29 0.00	65.17 -1.40 0.00	57.26 -2.08 0.00	53.91 -1.50 0.00	53.88 -2.07 0.00
BLACK RIVER___HYD 24047	47.72 0.00 0.00	45.13 0.14 0.00	43.50 0.17 0.00	43.21 0.04 0.00	43.71 0.09 0.00	46.11 0.05 0.00	55.59 0.00 0.00	56.34 0.11 0.00	50.06 -0.05 0.00	42.06 -0.51 0.00	42.33 -0.69 0.00	42.11 -0.82 0.00	42.26 -0.77 0.00	43.29 -0.93 0.00	47.79 -0.83 0.00	56.42 -0.28 0.00	73.09 0.65 0.00	84.46 1.74 0.00	83.34 1.55 0.00	74.30 1.38 0.00	67.63 1.06 0.00	60.58 1.25 0.00	56.35 0.94 0.00	56.85 0.89 0.00
BLACKRVR_115KV_TB2 79977	47.82 0.10 0.00	45.13 0.13 0.00	43.45 0.13 0.00	43.13 -0.04 0.00	43.75 0.13 0.00	46.16 0.09 0.00	55.59 0.00 0.00	56.34 0.11 0.00	50.06 -0.05 0.00	42.06 -0.51 0.00	42.34 -0.69 0.00	42.11 -0.82 0.00	42.26 -0.77 0.00	43.29 -0.93 0.00	47.79 -0.83 0.00	56.42 -0.28 0.00	73.16 0.72 0.00	84.45 1.74 0.00	83.34 1.55 0.00	74.31 1.39 0.00	67.63 1.07 0.00	60.58 1.25 0.00	56.35 0.94 0.00	56.85 0.90 0.00
BLDWN_LI_69_KV_BK4 356085	51.73 3.20 -0.81	47.97 2.97 -0.01	46.11 2.77 -0.01	45.90 2.72 -0.01	46.34 2.70 -0.01	48.98 2.90 -0.01	59.16 3.56 -0.01	65.93 4.05 -5.66	53.78 3.66 -0.01	45.67 3.11 0.00	46.13 3.10 -0.01	46.07 3.13 -0.01	46.01 2.97 -0.01	47.89 2.92 -0.76	57.10 3.11 -5.36	75.90 3.74 -15.46	90.97 4.78 -13.76	99.82 5.21 -11.89	98.90 5.48 -11.63	101.54 4.81 -23.81	89.49 4.59 -18.33	81.24 4.21 -17.69	72.36 3.49 -13.46	59.43 3.47 -0.01
BLISS_WT_PWR 323608	45.29 -2.43 0.00	43.28 -1.71 0.00	42.15 -1.17 0.00	42.05 -1.12 0.00	42.97 -0.65 0.00	45.60 -0.46 0.00	54.93 -0.66 0.00	55.61 -0.62 0.00	49.91 -0.20 0.00	42.91 0.34 0.00	43.41 0.39 0.00	43.31 0.39 0.00	43.89 0.86 0.00	45.32 1.11 0.00	49.84 1.22 0.00	57.72 1.02 0.00	72.87 0.44 0.00	83.71 1.00 0.00	81.54 -0.24 0.00	72.63 -0.29 0.00	65.10 -1.46 0.00	57.14 -2.19 0.00	53.75 -1.66 0.00	53.55 -2.40 0.00
BLUESTONE___WT_PWR 323821	49.06 1.33 0.00	46.39 1.40 0.00	44.75 1.43 0.00	44.55 1.38 0.00	45.15 1.53 0.00	47.82 1.75 0.00	57.82 2.23 0.00	58.76 2.53 0.00	52.47 2.36 0.00	44.27 1.70 0.00	44.66 1.63 0.00	44.60 1.67 0.00	44.92 1.89 0.00	46.21 1.99 0.00	51.29 2.67 0.00	60.22 3.52 0.00	77.65 5.22 0.00	89.09 6.37 0.00	87.43 5.64 0.00	77.88 4.96 0.00	70.76 4.20 0.00	62.48 3.14 0.00	58.01 2.60 0.00	58.25 2.29 0.00
BLUE_CIRC_CHEM_DRP 24182	49.39 1.67 0.00	46.52 1.53 0.00	44.75 1.43 0.00	44.60 1.42 0.00	45.02 1.40 0.00	47.49 1.43 0.00	57.32 1.72 0.00	58.02 1.80 0.00	51.47 1.35 0.00	43.55 0.98 0.00	44.01 0.99 0.00	43.87 0.94 0.00	43.93 0.90 0.00	45.19 0.97 0.00	49.74 1.12 0.00	58.01 1.30 0.00	74.10 1.67 0.00	84.62 1.90 0.00	83.75 1.96 0.00	74.67 1.75 0.00	68.23 1.66 0.00	61.00 1.66 0.00	56.96 1.55 0.00	57.63 1.68 0.00
BOC_GAS_DRP 24189	48.91 1.19 0.00	46.07 1.08 0.00	44.32 1.00 0.00	44.12 0.95 0.00	44.54 0.92 0.00	47.03 0.97 0.00	56.71 1.11 0.00	57.52 1.29 0.00	51.22 1.10 0.00	43.46 0.89 0.00	43.93 0.90 0.00	43.83 0.90 0.00	43.89 0.86 0.00	45.10 0.88 0.00	49.54 0.92 0.00	57.72 1.02 0.00	73.52 1.09 0.00	83.87 1.16 0.00	83.01 1.23 0.00	74.01 1.09 0.00	67.70 1.13 0.00	60.46 1.13 0.00	56.46 1.05 0.00	57.07 1.12 0.00
BOONVILLE_115KV_TB1 79983	48.34 0.62 0.00	45.62 0.63 0.00	43.88 0.56 0.00	43.65 0.47 0.00	44.23 0.61 0.00	46.71 0.64 0.00	56.37 0.78 0.00	57.18 0.96 0.00	50.97 0.85 0.00	43.08 0.51 0.00	43.45 0.43 0.00	43.27 0.34 0.00	43.37 0.34 0.00	44.44 0.22 0.00	49.01 0.39 0.00	57.55 0.85 0.00	74.10 1.67 0.00	84.95 2.23 0.00	83.75 1.96 0.00	74.67 1.75 0.00	68.10 1.53 0.00	60.88 1.54 0.00	56.74 1.33 0.00	57.24 1.29 0.00
BORALEX_4TH_BRANCH 23824	50.58 2.86 0.00	47.60 2.61 0.00	45.70 2.38 0.00	45.46 2.29 0.00	45.85 2.22 0.00	48.41 2.35 0.00	58.43 2.84 0.00	59.20 2.98 0.00	52.72 2.61 0.00	44.65 2.09 0.00	45.17 2.15 0.00	45.03 2.10 0.00	45.01 1.98 0.00	46.25 2.03 0.00	50.91 2.29 0.00	59.37 2.66 0.00	75.84 3.40 0.00	86.60 3.89 0.00	85.80 4.01 0.00	76.42 3.50 0.00	69.89 3.33 0.00	62.42 3.09 0.00	58.18 2.77 0.00	58.81 2.85 0.00
BOWLINE___1 23526	49.96 2.24 0.00	46.88 1.89 0.00	45.10 1.78 0.00	44.90 1.73 0.00	45.28 1.66 0.00	47.82 1.75 0.00	57.71 2.11 0.00	58.87 2.64 0.00	52.42 2.31 0.00	44.48 1.92 0.00	44.96 1.94 0.00	44.94 2.02 0.00	44.92 1.89 0.00	46.08 1.86 0.00	50.57 1.95 0.00	59.03 2.33 0.00	75.26 2.82 0.00	85.86 3.14 0.00	85.14 3.35 0.00	75.91 2.99 0.00	69.36 2.80 0.00	61.89 2.55 0.00	57.51 2.10 0.00	58.02 2.07 0.00
BOWLINE___2 23595	49.96 2.24 0.00	46.88 1.89 0.00	45.06 1.73 0.00	44.90 1.73 0.00	45.28 1.66 0.00	47.82 1.75 0.00	57.71 2.11 0.00	58.81 2.59 0.00	52.42 2.31 0.00	44.44 1.87 0.00	44.96 1.94 0.00	44.94 2.02 0.00	44.88 1.85 0.00	46.08 1.86 0.00	50.57 1.95 0.00	59.03 2.33 0.00	75.26 2.82 0.00	85.86 3.14 0.00	85.06 3.27 0.00	75.84 2.92 0.00	69.36 2.80 0.00	61.89 2.55 0.00	57.51 2.10 0.00	58.02 2.07 0.00
BRADY___115KV_TB2 356060	48.01 0.29 0.00	45.40 0.40 0.00	43.76 0.43 0.00	43.52 0.35 0.00	44.06 0.44 0.00	46.48 0.41 0.00	56.37 0.78 0.00	56.95 0.73 0.00	50.56 0.45 0.00	42.70 0.13 0.00	43.15 0.13 0.00	43.05 0.13 0.00	43.16 0.13 0.00	44.44 0.22 0.00	48.91 0.29 0.00	56.98 0.28 0.00	73.52 1.09 0.00	84.29 1.57 0.00	83.42 1.64 0.00	74.45 1.53 0.00	67.96 1.40 0.00	60.70 1.36 0.00	56.74 1.33 0.00	57.41 1.45 0.00
BRANSCOMB___SOLAR 323811	50.58 2.86 0.00	47.65 2.65 0.00	45.79 2.47 0.00	45.63 2.46 0.00	46.02 2.40 0.00	48.60 2.53 0.00	58.71 3.11 0.00	59.43 3.20 0.00	52.62 2.50 0.00	44.36 1.79 0.00	44.75 1.72 0.00	44.51 1.59 0.00	44.58 1.55 0.00	45.86 1.64 0.00	50.62 1.99 0.00	59.19 2.49 0.00	76.13 3.69 0.00	87.01 4.30 0.00	86.04 4.25 0.00	76.64 3.72 0.00	70.09 3.53 0.00	62.54 3.20 0.00	58.34 2.93 0.00	58.97 3.02 0.00
BRDGHMPT_69_KV_BK1 55812	52.32 4.01 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.33 3.15 -0.01	46.73 3.10 -0.01	49.44 3.36 -0.01	59.44 3.84 -0.01	64.94 4.61 -4.11	53.98 3.86 -0.01	45.72 3.15 0.00	46.35 3.31 -0.01	46.24 3.31 -0.01	46.22 3.18 -0.01	48.08 3.32 -0.55	56.16 3.65 -3.89	72.68 4.76 -11.22	89.45 7.03 -9.98	99.74 8.35 -8.67	99.10 8.83 -8.48	98.26 8.02 -17.32	87.56 7.66 -13.34	79.15 6.94 -12.88	70.88 5.71 -9.77	61.56 5.60 -0.01



BRENTWOD_69_KV_W. BRTWOOD 56703	52.34 4.01 -0.61	48.55 3.55 -0.01	46.67 3.34 -0.01	46.46 3.28 -0.01	46.86 3.23 -0.01	49.58 3.50 -0.01	59.94 4.34 -0.01	65.48 5.00 -4.25	54.43 4.31 -0.01	46.06 3.49 0.00	46.52 3.48 -0.01	46.45 3.52 -0.01	46.40 3.36 -0.01	48.24 3.45 -0.57	56.39 3.74 -4.03	72.96 4.65 -11.60	89.14 6.37 -10.33	98.10 6.45 -8.93	97.15 6.62 -8.73	96.48 5.69 -17.88	85.65 5.33 -13.76	77.48 4.87 -13.28	69.89 4.38 -10.10	60.27 4.31 -0.01
BRISTLHL_115KV_TB1 79998	46.77 -0.95 0.00	44.09 -0.90 0.00	42.50 -0.82 0.00	42.39 -0.78 0.00	42.88 -0.74 0.00	45.19 -0.88 0.00	54.48 -1.11 0.00	54.87 -1.35 0.00	49.01 -1.10 0.00	41.72 -0.85 0.00	42.12 -0.90 0.00	41.98 -0.94 0.00	42.13 -0.90 0.00	43.25 -0.97 0.00	47.50 -1.12 0.00	55.45 -1.25 0.00	70.77 -1.67 0.00	80.90 -1.82 0.00	79.82 -1.96 0.00	71.17 -1.75 0.00	64.90 -1.66 0.00	57.73 -1.60 0.00	53.91 -1.50 0.00	54.39 -1.57 0.00
BROOKHAVEN___DRP 24191	51.89 3.58 -0.59	48.15 3.15 -0.01	46.23 2.90 -0.01	46.03 2.85 -0.01	46.42 2.79 -0.01	49.11 3.04 -0.01	59.33 3.72 -0.01	64.77 4.44 -4.10	53.88 3.76 -0.01	45.67 3.11 0.00	46.17 3.14 -0.01	46.07 3.13 -0.01	46.05 3.01 -0.01	47.82 3.05 -0.55	55.77 3.26 -3.89	72.11 4.20 -11.21	88.35 5.94 -9.98	98.16 6.78 -8.66	97.29 7.03 -8.47	96.50 6.27 -17.30	85.95 6.06 -13.33	77.66 5.46 -12.87	69.43 4.27 -9.76	60.16 4.20 -0.01
BROOKLYN_NAVY_YARD 23515	50.44 2.72 0.00	47.28 2.29 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.59 1.96 0.00	48.19 2.12 0.00	58.21 2.61 0.00	59.54 3.32 0.00	53.07 2.96 0.00	45.09 2.51 -0.01	45.66 2.62 -0.01	45.60 2.66 -0.02	45.58 2.54 -0.02	46.70 2.47 -0.01	51.20 2.58 0.00	59.76 3.06 0.00	76.06 3.62 0.00	86.77 4.05 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.16 3.59 0.00	62.60 3.26 0.00	58.07 2.66 0.00	58.47 2.52 0.00
BROOKLYN___ARMY_DRP 323595	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
BROOME_2_LFGE 323671	47.67 -0.05 0.00	45.04 0.05 0.00	43.41 0.09 0.00	43.30 0.13 0.00	43.84 0.22 0.00	46.30 0.23 0.00	55.87 0.28 0.00	56.51 0.28 0.00	50.42 0.30 0.00	42.91 0.34 0.00	43.33 0.30 0.00	43.23 0.30 0.00	43.42 0.39 0.00	44.62 0.40 0.00	49.11 0.49 0.00	57.27 0.57 0.00	73.01 0.58 0.00	83.46 0.74 0.00	82.20 0.41 0.00	73.36 0.44 0.00	66.70 0.13 0.00	59.22 -0.12 0.00	55.41 0.00 0.00	55.84 -0.11 0.00
BROOME___LFGE 323600	47.67 -0.05 0.00	45.04 0.05 0.00	43.41 0.09 0.00	43.30 0.13 0.00	43.84 0.22 0.00	46.30 0.23 0.00	55.87 0.28 0.00	56.51 0.28 0.00	50.42 0.30 0.00	42.91 0.34 0.00	43.33 0.30 0.00	43.23 0.30 0.00	43.42 0.39 0.00	44.62 0.40 0.00	49.11 0.49 0.00	57.27 0.57 0.00	73.01 0.58 0.00	83.46 0.74 0.00	82.20 0.41 0.00	73.36 0.44 0.00	66.70 0.13 0.00	59.22 -0.12 0.00	55.41 0.00 0.00	55.84 -0.11 0.00
BROWNFLS_115KV_TB 3_5 80003	47.24 -0.48 0.00	44.68 -0.31 0.00	43.02 -0.30 0.00	42.78 -0.39 0.00	43.36 -0.26 0.00	45.47 -0.60 0.00	54.93 -0.67 0.00	55.72 -0.51 0.00	49.56 -0.55 0.00	41.80 -0.77 0.00	42.42 -0.60 0.00	42.24 -0.69 0.00	42.38 -0.65 0.00	43.47 -0.75 0.00	47.79 -0.83 0.00	55.85 -0.85 0.00	71.71 -0.72 0.00	82.30 -0.41 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.23 -0.33 0.00	59.81 0.47 0.00	55.85 0.44 0.00	56.62 0.67 0.00
BROWNSV1_27_KV_LOAD 356125	50.68 2.96 0.00	47.60 2.61 0.00	45.70 2.38 0.00	45.50 2.33 0.00	45.89 2.27 0.00	48.51 2.44 0.00	58.71 3.11 0.00	60.05 3.82 0.00	53.57 3.46 0.00	45.50 2.94 0.00	46.04 3.01 0.00	46.03 3.09 -0.02	46.01 2.97 -0.02	47.14 2.92 0.00	51.68 3.06 0.00	60.33 3.63 0.00	76.93 4.49 0.00	87.68 4.96 0.00	86.94 5.15 0.00	77.51 4.59 0.00	70.83 4.26 0.00	63.19 3.86 0.00	58.62 3.21 0.00	59.03 3.08 0.00
BURROWS___LYONSDAL 23803	48.01 0.29 0.00	45.35 0.36 0.00	43.63 0.30 0.00	43.39 0.22 0.00	43.97 0.35 0.00	46.39 0.32 0.00	55.98 0.39 0.00	56.84 0.62 0.00	50.66 0.55 0.00	42.78 0.21 0.00	43.15 0.13 0.00	42.97 0.04 0.00	43.03 0.00 0.00	44.04 -0.18 0.00	48.57 -0.05 0.00	57.15 0.45 0.00	73.59 1.16 0.00	84.45 1.74 0.00	83.34 1.55 0.00	74.31 1.39 0.00	67.76 1.20 0.00	60.76 1.42 0.00	56.57 1.16 0.00	57.13 1.18 0.00
CAITHNESS_CC_1 323624	51.99 3.67 -0.59	48.15 3.15 -0.01	46.23 2.90 -0.01	46.07 2.89 -0.01	46.46 2.83 -0.01	49.16 3.09 -0.01	59.27 3.67 -0.01	64.60 4.27 -4.10	53.78 3.66 -0.01	45.59 3.02 0.00	46.09 3.06 -0.01	45.98 3.05 -0.01	45.97 2.93 -0.01	47.73 2.96 -0.55	55.67 3.16 -3.89	71.93 4.03 -11.20	88.06 5.65 -9.97	97.74 6.37 -8.65	96.88 6.62 -8.47	96.12 5.90 -17.29	85.61 5.73 -13.32	77.11 4.92 -12.86	69.20 4.04 -9.75	59.88 3.92 -0.01
CALPINE BETH_PAGE_GT4 24209	51.59 3.10 -0.76	48.02 3.01 -0.01	46.15 2.82 -0.01	45.94 2.76 -0.01	46.38 2.75 -0.01	49.03 2.95 -0.01	59.22 3.61 -0.01	65.81 4.27 -5.31	53.83 3.71 -0.01	45.72 3.15 0.00	46.18 3.14 -0.01	46.11 3.18 -0.01	46.10 3.06 -0.01	47.98 3.05 -0.71	56.91 3.26 -5.03	74.84 3.63 -14.51	89.77 4.42 -12.91	98.67 4.80 -11.16	97.77 5.07 -10.92	99.71 4.45 -22.35	88.03 4.26 -17.20	79.79 3.86 -16.60	71.36 3.32 -12.63	59.21 3.25 -0.01
CALPINE_BETH_PAGE_GT_4 323586	51.82 3.34 -0.76	48.10 3.10 -0.01	46.24 2.90 -0.01	46.12 2.94 -0.01	46.51 2.88 -0.01	49.12 3.04 -0.01	59.27 3.67 -0.01	65.81 4.27 -5.31	53.83 3.71 -0.01	45.72 3.15 0.00	46.17 3.14 -0.01	46.11 3.18 -0.01	46.10 3.06 -0.01	47.98 3.05 -0.71	56.91 3.26 -5.03	74.89 3.68 -14.51	89.77 4.42 -12.91	98.67 4.80 -11.16	97.78 5.07 -10.92	99.72 4.45 -22.35	88.03 4.26 -17.20	79.68 3.74 -16.60	71.36 3.32 -12.63	59.21 3.24 -0.01
CALPINE_BP_GT1 23823	51.82 3.34 -0.76	48.10 3.10 -0.01	46.24 2.90 -0.01	46.12 2.94 -0.01	46.51 2.88 -0.01	49.12 3.04 -0.01	59.27 3.67 -0.01	65.81 4.27 -5.31	53.83 3.71 -0.01	45.72 3.15 0.00	46.17 3.14 -0.01	46.11 3.18 -0.01	46.10 3.06 -0.01	47.98 3.05 -0.71	56.91 3.26 -5.03	74.89 3.68 -14.51	89.77 4.42 -12.91	98.67 4.80 -11.16	97.78 5.07 -10.92	99.72 4.45 -22.35	88.03 4.26 -17.20	79.68 3.74 -16.60	71.36 3.32 -12.63	59.21 3.24 -0.01
CALSPAN___DRP 24200	46.43 -1.29 0.00	44.18 -0.81 0.00	42.80 -0.52 0.00	42.74 -0.43 0.00	43.45 -0.17 0.00	45.93 -0.14 0.00	55.09 -0.50 0.00	55.44 -0.79 0.00	49.66 -0.45 0.00	42.61 0.04 0.00	43.20 0.17 0.00	43.18 0.26 0.00	43.68 0.65 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.21 0.51 0.00	72.00 -0.43 0.00	82.63 -0.08 0.00	80.56 -1.23 0.00	71.97 -0.95 0.00	64.77 -1.80 0.00	57.26 -2.08 0.00	54.24 -1.16 0.00	54.72 -1.23 0.00



CALVERTON___SOLAR 323806	52.27 3.96 -0.59	48.38 3.38 -0.01	46.49 3.16 -0.01	46.29 3.11 -0.01	46.68 3.05 -0.01	49.39 3.32 -0.01	59.49 3.89 -0.01	64.88 4.55 -4.11	53.98 3.86 -0.01	45.72 3.15 0.00	46.22 3.18 -0.01	46.15 3.22 -0.01	46.09 3.06 -0.01	47.91 3.14 -0.55	55.86 3.35 -3.89	72.28 4.37 -11.21	88.64 6.23 -9.98	98.49 7.11 -8.66	97.70 7.44 -8.48	96.87 6.63 -17.31	86.29 6.39 -13.33	77.66 5.46 -12.87	69.72 4.54 -9.76	60.38 4.42 -0.01
CANDIGU_WT_PWR 323617	46.19 -1.53 0.00	43.91 -1.08 0.00	42.54 -0.78 0.00	42.52 -0.65 0.00	43.36 -0.26 0.00	45.88 -0.18 0.00	55.37 -0.22 0.00	55.94 -0.28 0.00	50.01 -0.10 0.00	42.61 0.04 0.00	43.11 0.09 0.00	43.10 0.17 0.00	43.46 0.43 0.00	44.84 0.62 0.00	49.35 0.73 0.00	57.49 0.79 0.00	73.09 0.65 0.00	83.71 1.00 0.00	82.03 0.25 0.00	73.14 0.22 0.00	65.90 -0.67 0.00	58.09 -1.25 0.00	54.47 -0.94 0.00	54.67 -1.28 0.00
CARR STREET_E_SYR 24060	47.10 -0.62 0.00	44.50 -0.49 0.00	42.85 -0.48 0.00	42.74 -0.43 0.00	43.23 -0.39 0.00	45.60 -0.46 0.00	55.04 -0.56 0.00	55.49 -0.73 0.00	49.56 -0.55 0.00	42.18 -0.38 0.00	42.59 -0.43 0.00	42.49 -0.43 0.00	42.64 -0.39 0.00	43.78 -0.44 0.00	48.13 -0.49 0.00	56.13 -0.57 0.00	71.64 -0.80 0.00	81.89 -0.83 0.00	80.72 -1.07 0.00	71.97 -0.95 0.00	65.57 -1.00 0.00	58.33 -1.01 0.00	54.52 -0.89 0.00	54.95 -1.01 0.00
CARTHAGE___PAPER 23857	47.53 -0.19 0.00	44.95 -0.04 0.00	43.28 -0.04 0.00	43.00 -0.17 0.00	43.53 -0.09 0.00	45.88 -0.18 0.00	55.32 -0.28 0.00	56.17 -0.06 0.00	49.91 -0.20 0.00	41.97 -0.60 0.00	42.29 -0.73 0.00	42.07 -0.86 0.00	42.17 -0.86 0.00	43.16 -1.06 0.00	47.65 -0.97 0.00	56.19 -0.51 0.00	72.65 0.22 0.00	83.87 1.16 0.00	82.85 1.06 0.00	73.87 0.95 0.00	67.30 0.73 0.00	60.52 1.19 0.00	56.29 0.88 0.00	56.85 0.89 0.00
CASSADAGA_WT_PWR 323784	45.14 -2.58 0.00	43.19 -1.80 0.00	42.06 -1.26 0.00	42.05 -1.12 0.00	43.14 -0.48 0.00	46.02 -0.05 0.00	55.59 0.00 0.00	56.45 0.23 0.00	50.67 0.55 0.00	43.59 1.02 0.00	44.14 1.12 0.00	44.12 1.20 0.00	44.66 1.63 0.00	46.03 1.81 0.00	50.57 1.95 0.00	58.57 1.87 0.00	74.03 1.59 0.00	85.03 2.31 0.00	82.61 0.82 0.00	73.36 0.44 0.00	65.57 -1.00 0.00	57.43 -1.90 0.00	53.91 -1.49 0.00	53.88 -2.07 0.00
CE_DUNWOOD___DRP 24194	50.11 2.39 0.00	47.11 2.11 0.00	45.27 1.95 0.00	45.07 1.90 0.00	45.45 1.83 0.00	48.00 1.93 0.00	58.04 2.45 0.00	59.26 3.04 0.00	52.82 2.71 0.00	44.78 2.21 0.00	45.35 2.32 0.00	45.29 2.36 0.00	45.27 2.24 0.00	46.43 2.21 0.00	50.91 2.29 0.00	59.48 2.78 0.00	75.77 3.33 0.00	86.44 3.72 0.00	85.71 3.93 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.90 2.49 0.00	58.42 2.46 0.00
CE_MILLWOOD___DRP 24193	50.01 2.29 0.00	47.02 2.02 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.37 1.74 0.00	47.95 1.89 0.00	57.93 2.33 0.00	59.15 2.92 0.00	52.67 2.56 0.00	44.70 2.13 0.00	45.22 2.19 0.00	45.20 2.27 0.00	45.14 2.11 0.00	46.30 2.08 0.00	50.81 2.19 0.00	59.31 2.61 0.00	75.62 3.19 0.00	86.27 3.56 0.00	85.55 3.76 0.00	76.20 3.28 0.00	69.70 3.13 0.00	62.18 2.85 0.00	57.79 2.38 0.00	58.30 2.35 0.00
CE_NYC2_DRP 24202	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.29 2.12 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.43 2.84 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.87 2.65 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.35 3.91 0.00	87.02 4.30 0.00	86.29 4.50 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.75 2.80 0.00
CE_NYC_DRP 24195	50.35 2.62 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.23 2.17 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.21 2.64 0.00	45.73 2.71 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.78 2.56 0.00	51.29 2.67 0.00	59.88 3.18 0.00	76.35 3.91 0.00	87.02 4.30 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.29 3.73 0.00	62.78 3.44 0.00	58.23 2.83 0.00	58.64 2.69 0.00
CHAFFEE___LFGE 323603	46.44 -1.29 0.00	44.27 -0.72 0.00	42.89 -0.43 0.00	42.74 -0.43 0.00	43.53 -0.09 0.00	46.11 0.05 0.00	55.21 -0.39 0.00	55.61 -0.62 0.00	49.81 -0.30 0.00	42.74 0.17 0.00	43.33 0.30 0.00	43.31 0.39 0.00	43.81 0.78 0.00	45.19 0.97 0.00	49.64 1.02 0.00	57.33 0.62 0.00	72.29 -0.14 0.00	82.96 0.25 0.00	80.81 -0.98 0.00	72.19 -0.73 0.00	65.04 -1.53 0.00	57.50 -1.84 0.00	54.41 -1.00 0.00	54.83 -1.12 0.00
CHATEAUG_35_KV_LOAD 355732	46.29 -1.43 0.00	43.73 -1.26 0.00	42.15 -1.17 0.00	42.00 -1.17 0.00	42.49 -1.13 0.00	44.96 -1.11 0.00	54.54 -1.06 0.00	55.27 -0.96 0.00	49.26 -0.85 0.00	41.76 -0.81 0.00	42.34 -0.69 0.00	42.32 -0.60 0.00	42.51 -0.52 0.00	43.82 -0.40 0.00	48.47 -0.15 0.00	56.53 -0.17 0.00	72.87 0.43 0.00	83.38 0.66 0.00	82.61 0.82 0.00	73.80 0.88 0.00	67.37 0.80 0.00	60.11 0.77 0.00	56.13 0.72 0.00	56.68 0.73 0.00
CHATEAUG_WT_PWR 323614	46.29 -1.43 0.00	43.78 -1.21 0.00	42.15 -1.17 0.00	42.05 -1.12 0.00	42.53 -1.09 0.00	44.96 -1.11 0.00	54.48 -1.11 0.00	55.21 -1.01 0.00	49.26 -0.85 0.00	41.80 -0.76 0.00	42.38 -0.64 0.00	42.36 -0.56 0.00	42.56 -0.47 0.00	43.86 -0.36 0.00	48.48 -0.15 0.00	56.53 -0.17 0.00	72.73 0.29 0.00	83.21 0.50 0.00	82.36 0.58 0.00	73.58 0.65 0.00	67.16 0.60 0.00	59.93 0.59 0.00	56.02 0.61 0.00	56.57 0.62 0.00
CHAT_HIGH_FALL_HYD 323578	46.29 -1.43 0.00	43.73 -1.26 0.00	42.15 -1.17 0.00	42.00 -1.17 0.00	42.49 -1.13 0.00	44.96 -1.11 0.00	54.54 -1.06 0.00	55.27 -0.96 0.00	49.26 -0.85 0.00	41.76 -0.81 0.00	42.34 -0.69 0.00	42.32 -0.60 0.00	42.51 -0.52 0.00	43.82 -0.40 0.00	48.47 -0.15 0.00	56.53 -0.17 0.00	72.87 0.43 0.00	83.38 0.66 0.00	82.61 0.82 0.00	73.80 0.88 0.00	67.37 0.80 0.00	60.11 0.77 0.00	56.13 0.72 0.00	56.68 0.73 0.00
CHAUTAUQUA___LFGE 323629	45.96 -1.76 0.00	43.82 -1.17 0.00	42.54 -0.78 0.00	42.48 -0.69 0.00	43.40 -0.22 0.00	46.11 0.05 0.00	55.48 -0.11 0.00	56.06 -0.17 0.00	50.21 0.10 0.00	43.12 0.55 0.00	43.67 0.65 0.00	43.65 0.73 0.00	44.15 1.12 0.00	45.50 1.28 0.00	50.03 1.41 0.00	57.83 1.13 0.00	73.09 0.65 0.00	83.87 1.16 0.00	81.71 -0.08 0.00	72.78 -0.15 0.00	65.24 -1.33 0.00	57.43 -1.90 0.00	54.14 -1.27 0.00	54.39 -1.57 0.00
CHERRYST_13_KV_LD 356241	50.44 2.72 0.00	47.42 2.43 0.00	45.53 2.21 0.00	45.33 2.16 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.49 2.89 0.00	59.82 3.60 0.00	53.37 3.26 0.00	45.33 2.77 0.00	45.86 2.84 0.00	45.86 2.92 -0.02	45.80 2.75 -0.02	46.96 2.74 0.00	51.44 2.82 0.00	60.05 3.35 0.00	76.56 4.13 0.00	87.26 4.55 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.81 2.85 0.00



CHESTROR_138KV_BK263 355645	49.53 1.81 0.00	46.57 1.57 0.00	44.75 1.43 0.00	44.55 1.38 0.00	44.97 1.35 0.00	47.54 1.47 0.00	57.43 1.83 0.00	58.53 2.31 0.00	52.12 2.00 0.00	44.14 1.57 0.00	44.62 1.59 0.00	44.56 1.63 0.00	44.58 1.55 0.00	45.77 1.55 0.00	50.27 1.65 0.00	58.69 1.98 0.00	74.90 2.46 0.00	85.45 2.73 0.00	84.73 2.94 0.00	75.55 2.63 0.00	69.03 2.46 0.00	61.59 2.25 0.00	57.24 1.83 0.00	57.74 1.79 0.00
CH_MIDHUDSON___DRP 24192	50.06 2.34 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.03 1.86 0.00	45.45 1.83 0.00	47.95 1.89 0.00	57.99 2.39 0.00	59.15 2.92 0.00	52.62 2.51 0.00	44.57 2.00 0.00	45.05 2.02 0.00	44.94 2.02 0.00	44.97 1.94 0.00	46.16 1.95 0.00	50.71 2.09 0.00	59.20 2.49 0.00	75.55 3.11 0.00	86.27 3.56 0.00	85.47 3.68 0.00	76.20 3.28 0.00	69.63 3.06 0.00	62.18 2.85 0.00	57.85 2.44 0.00	58.36 2.41 0.00
CH_MISC_IPPS 23765	50.44 2.72 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.29 2.11 0.00	45.76 2.14 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.43 3.20 0.00	52.82 2.70 0.00	44.69 2.13 0.00	45.13 2.11 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.30 2.08 0.00	50.86 2.24 0.00	59.48 2.78 0.00	76.06 3.62 0.00	86.77 4.05 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.03 3.46 0.00	62.54 3.20 0.00	58.12 2.71 0.00	58.64 2.69 0.00
CH_RES_BVR_FALLS 23983	47.63 -0.10 0.00	44.90 -0.09 0.00	43.24 -0.09 0.00	43.08 -0.09 0.00	43.53 -0.09 0.00	45.97 -0.09 0.00	55.54 -0.06 0.00	56.17 -0.06 0.00	50.06 -0.05 0.00	42.52 -0.04 0.00	42.98 -0.04 0.00	42.88 -0.04 0.00	42.99 -0.04 0.00	44.17 -0.04 0.00	48.62 0.00 0.00	56.70 0.00 0.00	72.44 0.00 0.00	82.80 0.08 0.00	81.87 0.08 0.00	72.99 0.07 0.00	66.63 0.07 0.00	59.40 0.06 0.00	55.46 0.06 0.00	56.01 0.06 0.00
CH_RES_NIAGARA 23895	45.29 -2.43 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.62 -1.55 0.00	42.27 -1.35 0.00	44.59 -1.47 0.00	53.37 -2.22 0.00	53.52 -2.70 0.00	48.01 -2.10 0.00	41.21 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.18 -3.26 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.79 0.00	62.37 -4.19 0.00	55.30 -4.03 0.00	52.58 -2.83 0.00	53.10 -2.85 0.00
CH_RES_SYRACUSE 23985	47.39 -0.33 0.00	44.72 -0.27 0.00	43.06 -0.26 0.00	43.00 -0.17 0.00	43.49 -0.13 0.00	45.88 -0.18 0.00	55.43 -0.17 0.00	55.89 -0.34 0.00	49.91 -0.20 0.00	42.48 -0.08 0.00	42.90 -0.13 0.00	42.75 -0.17 0.00	42.90 -0.13 0.00	44.09 -0.13 0.00	48.43 -0.19 0.00	56.53 -0.17 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.30 -0.49 0.00	72.49 -0.43 0.00	66.03 -0.53 0.00	58.74 -0.59 0.00	54.91 -0.50 0.00	55.34 -0.61 0.00
CLINTON_WT_PWR 323605	46.29 -1.43 0.00	43.78 -1.21 0.00	42.15 -1.17 0.00	42.05 -1.12 0.00	42.53 -1.09 0.00	44.96 -1.11 0.00	54.48 -1.11 0.00	55.21 -1.01 0.00	49.26 -0.85 0.00	41.80 -0.76 0.00	42.38 -0.64 0.00	42.36 -0.56 0.00	42.56 -0.47 0.00	43.86 -0.36 0.00	48.48 -0.15 0.00	56.53 -0.17 0.00	72.73 0.29 0.00	83.21 0.50 0.00	82.36 0.58 0.00	73.58 0.65 0.00	67.16 0.60 0.00	59.93 0.59 0.00	56.02 0.61 0.00	56.57 0.62 0.00
CLINTON___LFGE 323618	46.77 -0.95 0.00	44.23 -0.77 0.00	42.63 -0.69 0.00	42.48 -0.69 0.00	42.97 -0.65 0.00	45.42 -0.64 0.00	55.21 -0.39 0.00	55.89 -0.34 0.00	49.86 -0.25 0.00	42.23 -0.34 0.00	42.85 -0.17 0.00	42.84 -0.09 0.00	43.03 0.00 0.00	44.40 0.18 0.00	49.11 0.49 0.00	57.21 0.51 0.00	73.81 1.37 0.00	84.46 1.74 0.00	83.67 1.88 0.00	74.67 1.75 0.00	68.23 1.66 0.00	60.76 1.42 0.00	56.79 1.39 0.00	57.35 1.40 0.00
COBBLENY_34_KV_TB1 80064	46.53 -1.19 0.00	44.27 -0.72 0.00	42.89 -0.43 0.00	42.78 -0.39 0.00	43.53 -0.09 0.00	46.02 -0.05 0.00	55.26 -0.33 0.00	55.61 -0.62 0.00	49.81 -0.30 0.00	42.74 0.17 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.80 0.77 0.00	45.19 0.97 0.00	49.64 1.02 0.00	57.32 0.62 0.00	72.22 -0.22 0.00	82.96 0.25 0.00	80.81 -0.98 0.00	72.19 -0.73 0.00	65.04 -1.53 0.00	57.44 -1.90 0.00	54.41 -1.00 0.00	54.83 -1.12 0.00
COFFEEN___115KV_TB3 355620	48.06 0.33 0.00	45.40 0.40 0.00	43.67 0.35 0.00	43.34 0.17 0.00	44.01 0.39 0.00	46.39 0.32 0.00	55.93 0.33 0.00	56.67 0.45 0.00	50.31 0.20 0.00	42.23 -0.34 0.00	42.42 -0.60 0.00	42.19 -0.73 0.00	42.38 -0.65 0.00	43.38 -0.84 0.00	47.89 -0.73 0.00	56.70 0.00 0.00	73.59 1.16 0.00	85.11 2.40 0.00	83.91 2.13 0.00	74.89 1.97 0.00	68.10 1.53 0.00	60.94 1.60 0.00	56.63 1.22 0.00	57.13 1.18 0.00
COLDSPRG_115KV_BK1 355956	46.39 -1.34 0.00	44.18 -0.81 0.00	42.89 -0.43 0.00	42.87 -0.30 0.00	43.75 0.13 0.00	46.48 0.41 0.00	56.21 0.61 0.00	56.90 0.67 0.00	50.97 0.85 0.00	43.80 1.23 0.00	44.27 1.25 0.00	44.30 1.37 0.00	44.79 1.76 0.00	46.16 1.95 0.00	50.71 2.09 0.00	58.69 1.98 0.00	74.25 1.81 0.00	85.28 2.56 0.00	83.01 1.23 0.00	73.94 1.02 0.00	66.37 -0.20 0.00	58.33 -1.01 0.00	54.91 -0.50 0.00	55.06 -0.90 0.00
COLONIE_LFGE___ 323577	49.96 2.24 0.00	47.02 2.03 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.41 1.79 0.00	47.91 1.84 0.00	57.76 2.17 0.00	58.47 2.25 0.00	52.02 1.90 0.00	44.02 1.45 0.00	44.53 1.51 0.00	44.38 1.46 0.00	44.41 1.38 0.00	45.63 1.41 0.00	50.27 1.65 0.00	58.63 1.93 0.00	74.97 2.53 0.00	85.61 2.89 0.00	84.73 2.94 0.00	75.47 2.55 0.00	68.96 2.39 0.00	61.65 2.31 0.00	57.51 2.10 0.00	58.13 2.18 0.00
COOPERNY_115KV_TB1 80082	49.01 1.29 0.00	46.16 1.17 0.00	44.36 1.04 0.00	44.16 0.99 0.00	44.62 1.00 0.00	47.13 1.06 0.00	56.93 1.33 0.00	57.85 1.63 0.00	51.62 1.50 0.00	43.76 1.19 0.00	44.23 1.20 0.00	44.17 1.24 0.00	44.19 1.16 0.00	45.37 1.15 0.00	49.84 1.22 0.00	58.18 1.47 0.00	74.25 1.81 0.00	84.78 2.07 0.00	83.91 2.13 0.00	74.82 1.90 0.00	68.36 1.80 0.00	60.94 1.60 0.00	56.74 1.33 0.00	57.24 1.29 0.00
COPENHAGEN_WT_PWR 323753	47.63 -0.10 0.00	45.04 0.05 0.00	43.41 0.09 0.00	43.13 -0.04 0.00	43.62 0.00 0.00	46.02 -0.05 0.00	55.48 -0.11 0.00	56.22 0.00 0.00	49.96 -0.15 0.00	42.06 -0.51 0.00	42.29 -0.73 0.00	42.07 -0.86 0.00	42.26 -0.77 0.00	43.29 -0.93 0.00	47.75 -0.87 0.00	56.36 -0.34 0.00	72.87 0.44 0.00	84.12 1.40 0.00	82.93 1.14 0.00	74.02 1.10 0.00	67.37 0.80 0.00	60.28 0.95 0.00	56.08 0.67 0.00	56.63 0.67 0.00
CORNELL_____ 23752	48.39 0.67 0.00	45.67 0.67 0.00	43.97 0.65 0.00	43.95 0.78 0.00	44.45 0.83 0.00	46.94 0.88 0.00	56.76 1.17 0.00	57.40 1.18 0.00	51.17 1.05 0.00	43.38 0.81 0.00	43.71 0.69 0.00	43.57 0.64 0.00	43.76 0.73 0.00	44.97 0.75 0.00	49.59 0.97 0.00	58.06 1.36 0.00	74.39 1.96 0.00	85.20 2.48 0.00	83.91 2.13 0.00	74.82 1.90 0.00	68.10 1.53 0.00	60.40 1.07 0.00	56.35 0.94 0.00	56.74 0.78 0.00



CORONA__69_KV_TB1 355595	51.99 3.15 -1.12	47.89 2.88 -0.02	46.02 2.69 -0.02	45.86 2.68 -0.02	46.30 2.66 -0.02	48.89 2.81 -0.02	59.06 3.45 -0.02	67.93 3.94 -7.77	53.64 3.51 -0.02	45.63 3.06 0.00	46.10 3.05 -0.02	46.03 3.09 -0.02	45.97 2.93 -0.02	48.09 2.83 -1.04	59.00 3.01 -7.36	81.62 3.69 -21.23	96.04 4.71 -18.89	104.25 5.21 -16.33	103.16 5.40 -15.97	110.43 4.81 -32.70	96.33 4.59 -25.17	87.84 4.21 -24.29	77.33 3.44 -18.48	59.38 3.41 -0.02
CORTLAND__115KV_TB3 80093	48.06 0.33 0.00	45.31 0.31 0.00	43.67 0.35 0.00	43.60 0.43 0.00	44.10 0.48 0.00	46.53 0.46 0.00	56.21 0.61 0.00	56.84 0.62 0.00	50.66 0.55 0.00	42.99 0.43 0.00	43.41 0.39 0.00	43.27 0.34 0.00	43.42 0.39 0.00	44.62 0.40 0.00	49.11 0.49 0.00	57.38 0.68 0.00	73.38 0.94 0.00	83.96 1.24 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.23 0.67 0.00	59.69 0.36 0.00	55.74 0.33 0.00	56.18 0.22 0.00
COXSACKIE__GT 23611	50.97 3.25 0.00	47.91 2.92 0.00	46.10 2.78 0.00	45.94 2.77 0.00	46.45 2.83 0.00	48.92 2.86 0.00	59.26 3.67 0.00	60.10 3.88 0.00	52.82 2.70 0.00	44.18 1.62 0.00	44.31 1.29 0.00	44.00 1.07 0.00	44.11 1.08 0.00	45.46 1.24 0.00	50.22 1.60 0.00	59.08 2.38 0.00	76.56 4.13 0.00	87.93 5.21 0.00	87.35 5.56 0.00	77.81 4.89 0.00	70.63 4.06 0.00	63.25 3.92 0.00	58.84 3.44 0.00	59.48 3.53 0.00
CPV_VALLEY__CC1 323721	49.34 1.62 0.00	46.34 1.35 0.00	44.58 1.26 0.00	44.38 1.21 0.00	44.80 1.18 0.00	47.31 1.24 0.00	57.04 1.44 0.00	58.08 1.85 0.00	51.76 1.65 0.00	43.89 1.32 0.00	44.36 1.34 0.00	44.30 1.37 0.00	44.32 1.29 0.00	45.50 1.28 0.00	49.93 1.31 0.00	58.29 1.59 0.00	74.32 1.88 0.00	84.78 2.07 0.00	84.07 2.29 0.00	74.96 2.04 0.00	68.43 1.86 0.00	61.11 1.78 0.00	56.85 1.44 0.00	57.35 1.40 0.00
CPV_VALLEY__CC2 323722	49.34 1.62 0.00	46.34 1.35 0.00	44.58 1.26 0.00	44.38 1.21 0.00	44.80 1.18 0.00	47.31 1.24 0.00	57.04 1.44 0.00	58.08 1.85 0.00	51.76 1.65 0.00	43.89 1.32 0.00	44.36 1.34 0.00	44.30 1.37 0.00	44.32 1.29 0.00	45.50 1.28 0.00	49.93 1.31 0.00	58.29 1.59 0.00	74.32 1.88 0.00	84.78 2.07 0.00	84.07 2.29 0.00	74.96 2.04 0.00	68.43 1.86 0.00	61.11 1.78 0.00	56.85 1.44 0.00	57.35 1.40 0.00
CRESCENT__HYD 24018	49.96 2.24 0.00	47.02 2.03 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.41 1.79 0.00	47.91 1.84 0.00	57.76 2.17 0.00	58.47 2.25 0.00	52.02 1.90 0.00	44.02 1.45 0.00	44.53 1.51 0.00	44.38 1.46 0.00	44.41 1.38 0.00	45.63 1.41 0.00	50.27 1.65 0.00	58.63 1.93 0.00	74.97 2.53 0.00	85.61 2.89 0.00	84.73 2.94 0.00	75.47 2.55 0.00	68.96 2.39 0.00	61.65 2.31 0.00	57.51 2.10 0.00	58.13 2.18 0.00
CRICKET__VALLEY_CC1 323756	49.87 2.15 0.00	46.84 1.85 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.19 1.57 0.00	47.72 1.66 0.00	57.54 1.94 0.00	58.47 2.25 0.00	52.12 2.01 0.00	44.18 1.62 0.00	44.70 1.68 0.00	44.64 1.72 0.00	44.62 1.59 0.00	45.77 1.55 0.00	50.27 1.65 0.00	58.63 1.93 0.00	74.54 2.10 0.00	85.03 2.31 0.00	84.33 2.54 0.00	75.18 2.26 0.00	68.83 2.26 0.00	61.59 2.25 0.00	57.35 1.94 0.00	57.86 1.90 0.00
CRICKET__VALLEY_CC2 323757	49.87 2.15 0.00	46.84 1.85 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.19 1.57 0.00	47.72 1.66 0.00	57.54 1.94 0.00	58.47 2.25 0.00	52.12 2.01 0.00	44.18 1.62 0.00	44.70 1.68 0.00	44.64 1.72 0.00	44.62 1.59 0.00	45.77 1.55 0.00	50.27 1.65 0.00	58.63 1.93 0.00	74.54 2.10 0.00	85.03 2.31 0.00	84.33 2.54 0.00	75.18 2.26 0.00	68.83 2.26 0.00	61.59 2.25 0.00	57.35 1.94 0.00	57.86 1.90 0.00
CRICKET__VALLEY_CC3 323758	49.87 2.15 0.00	46.84 1.85 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.19 1.57 0.00	47.72 1.66 0.00	57.54 1.94 0.00	58.47 2.25 0.00	52.12 2.01 0.00	44.18 1.62 0.00	44.70 1.68 0.00	44.64 1.72 0.00	44.62 1.59 0.00	45.77 1.55 0.00	50.27 1.65 0.00	58.63 1.93 0.00	74.54 2.10 0.00	85.03 2.31 0.00	84.33 2.54 0.00	75.18 2.26 0.00	68.83 2.26 0.00	61.59 2.25 0.00	57.35 1.94 0.00	57.86 1.90 0.00
CRUCIBLE_METL_DRP 24180	47.48 -0.24 0.00	44.81 -0.18 0.00	43.15 -0.17 0.00	43.08 -0.09 0.00	43.53 -0.09 0.00	45.93 -0.14 0.00	55.43 -0.17 0.00	55.89 -0.34 0.00	49.91 -0.20 0.00	42.48 -0.09 0.00	42.89 -0.13 0.00	42.75 -0.17 0.00	42.90 -0.13 0.00	44.09 -0.13 0.00	48.43 -0.19 0.00	56.53 -0.17 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.30 -0.49 0.00	72.48 -0.44 0.00	66.03 -0.53 0.00	58.74 -0.59 0.00	54.91 -0.50 0.00	55.34 -0.62 0.00
DAHOWA__HYDRO 323763	50.82 3.10 0.00	47.87 2.88 0.00	46.01 2.69 0.00	45.85 2.68 0.00	46.28 2.66 0.00	48.83 2.76 0.00	58.99 3.39 0.00	59.71 3.49 0.00	52.92 2.80 0.00	44.57 2.00 0.00	44.96 1.94 0.00	44.68 1.76 0.00	44.75 1.72 0.00	46.03 1.81 0.00	50.81 2.19 0.00	59.48 2.78 0.00	76.56 4.13 0.00	87.51 4.80 0.00	86.53 4.74 0.00	77.08 4.15 0.00	70.49 3.93 0.00	62.90 3.56 0.00	58.68 3.27 0.00	59.31 3.36 0.00
DANC__LFGE 323619	47.29 -0.43 0.00	44.68 -0.31 0.00	43.02 -0.30 0.00	42.82 -0.35 0.00	43.32 -0.30 0.00	45.65 -0.42 0.00	55.04 -0.56 0.00	55.66 -0.56 0.00	49.51 -0.60 0.00	41.88 -0.68 0.00	42.21 -0.82 0.00	42.02 -0.90 0.00	42.17 -0.86 0.00	43.25 -0.97 0.00	47.65 -0.97 0.00	56.02 -0.68 0.00	72.08 -0.36 0.00	82.80 0.08 0.00	81.71 -0.08 0.00	72.85 -0.07 0.00	66.37 -0.20 0.00	59.34 0.00 0.00	55.24 -0.17 0.00	55.79 -0.17 0.00
DANSKAMMER__1 23586	50.44 2.72 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.29 2.11 0.00	45.76 2.14 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.43 3.20 0.00	52.82 2.70 0.00	44.69 2.13 0.00	45.13 2.11 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.30 2.08 0.00	50.86 2.24 0.00	59.48 2.78 0.00	76.06 3.62 0.00	86.77 4.05 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.03 3.46 0.00	62.54 3.20 0.00	58.12 2.71 0.00	58.64 2.69 0.00
DANSKAMMER__2 23589	50.44 2.72 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.29 2.11 0.00	45.76 2.14 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.43 3.20 0.00	52.82 2.70 0.00	44.69 2.13 0.00	45.13 2.11 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.30 2.08 0.00	50.86 2.24 0.00	59.48 2.78 0.00	76.06 3.62 0.00	86.77 4.05 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.03 3.46 0.00	62.54 3.20 0.00	58.12 2.71 0.00	58.64 2.69 0.00
DANSKAMMER__3 23590	50.44 2.72 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.29 2.11 0.00	45.76 2.14 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.43 3.20 0.00	52.82 2.70 0.00	44.69 2.13 0.00	45.13 2.11 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.30 2.08 0.00	50.86 2.24 0.00	59.48 2.78 0.00	76.06 3.62 0.00	86.77 4.05 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.03 3.46 0.00	62.54 3.20 0.00	58.12 2.71 0.00	58.64 2.69 0.00



DANSKAMMER___4 23591	50.44 2.72 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.29 2.11 0.00	45.76 2.14 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.43 3.20 0.00	52.82 2.70 0.00	44.69 2.13 0.00	45.13 2.11 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.30 2.08 0.00	50.86 2.24 0.00	59.48 2.78 0.00	76.06 3.62 0.00	86.77 4.05 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.03 3.46 0.00	62.54 3.20 0.00	58.12 2.71 0.00	58.64 2.69 0.00
DANSKAMMER___DIESEL 23592	50.25 2.53 0.00	47.24 2.25 0.00	45.36 2.04 0.00	45.16 1.99 0.00	45.63 2.01 0.00	48.14 2.07 0.00	58.26 2.67 0.00	59.43 3.20 0.00	52.82 2.71 0.00	44.70 2.13 0.00	45.13 2.11 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.30 2.08 0.00	50.86 2.24 0.00	59.48 2.78 0.00	76.06 3.62 0.00	86.77 4.05 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.03 3.46 0.00	62.54 3.20 0.00	58.12 2.71 0.00	58.64 2.69 0.00
DARBY___SOLAR 323810	50.58 2.86 0.00	47.65 2.65 0.00	45.79 2.47 0.00	45.63 2.46 0.00	46.06 2.44 0.00	48.64 2.58 0.00	58.71 3.11 0.00	59.43 3.20 0.00	52.67 2.55 0.00	44.40 1.83 0.00	44.79 1.76 0.00	44.55 1.63 0.00	44.62 1.59 0.00	45.90 1.68 0.00	50.66 2.04 0.00	59.31 2.61 0.00	76.20 3.76 0.00	87.10 4.38 0.00	86.12 4.33 0.00	76.71 3.79 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.40 2.99 0.00	59.03 3.08 0.00
DASHVILLE___HYD 23610	49.77 2.05 0.00	46.75 1.75 0.00	44.92 1.60 0.00	44.72 1.55 0.00	45.19 1.57 0.00	47.68 1.61 0.00	57.65 2.06 0.00	58.75 2.53 0.00	52.17 2.05 0.00	44.10 1.53 0.00	44.53 1.51 0.00	44.43 1.50 0.00	44.45 1.42 0.00	45.63 1.42 0.00	50.13 1.51 0.00	58.63 1.93 0.00	75.04 2.61 0.00	85.69 2.98 0.00	85.06 3.27 0.00	75.84 2.92 0.00	69.16 2.60 0.00	61.83 2.49 0.00	57.46 2.05 0.00	58.02 2.07 0.00
DELAWARE___LFGE 323621	48.77 1.05 0.00	45.94 0.94 0.00	44.23 0.91 0.00	44.03 0.86 0.00	44.54 0.92 0.00	47.08 1.01 0.00	56.82 1.22 0.00	57.69 1.46 0.00	51.42 1.30 0.00	43.55 0.98 0.00	43.97 0.95 0.00	43.91 0.99 0.00	44.02 0.99 0.00	45.19 0.97 0.00	49.74 1.12 0.00	58.18 1.47 0.00	74.39 1.96 0.00	84.95 2.23 0.00	83.91 2.13 0.00	74.74 1.82 0.00	68.23 1.66 0.00	60.70 1.36 0.00	56.57 1.16 0.00	57.13 1.18 0.00
DERFIELD_115KV_TB7 355931	48.01 0.29 0.00	45.22 0.22 0.00	43.54 0.22 0.00	43.39 0.22 0.00	43.84 0.22 0.00	46.30 0.23 0.00	55.87 0.28 0.00	56.50 0.28 0.00	50.36 0.25 0.00	42.78 0.21 0.00	43.24 0.22 0.00	43.10 0.17 0.00	43.20 0.17 0.00	44.40 0.18 0.00	48.82 0.19 0.00	56.98 0.28 0.00	72.80 0.36 0.00	83.13 0.41 0.00	82.20 0.41 0.00	73.29 0.36 0.00	66.90 0.33 0.00	59.63 0.30 0.00	55.69 0.28 0.00	56.23 0.28 0.00
DOGLEVILLE___HYD 23807	50.44 2.72 0.00	47.60 2.61 0.00	45.88 2.56 0.00	45.76 2.59 0.00	46.33 2.70 0.00	49.01 2.95 0.00	59.21 3.61 0.00	59.93 3.71 0.00	53.42 3.31 0.00	45.38 2.81 0.00	45.82 2.80 0.00	45.67 2.75 0.00	45.87 2.84 0.00	47.18 2.96 0.00	52.07 3.45 0.00	60.95 4.25 0.00	78.09 5.65 0.00	89.42 6.70 0.00	88.41 6.62 0.00	78.83 5.91 0.00	71.89 5.33 0.00	63.96 4.63 0.00	59.84 4.43 0.00	60.32 4.36 0.00
DUNKIRK___115KV_TB_200 55889	46.05 -1.67 0.00	43.87 -1.12 0.00	42.59 -0.74 0.00	42.57 -0.60 0.00	43.36 -0.26 0.00	46.02 -0.05 0.00	55.43 -0.17 0.00	56.00 -0.22 0.00	50.16 0.05 0.00	43.04 0.47 0.00	43.58 0.56 0.00	43.57 0.64 0.00	44.06 1.03 0.00	45.41 1.19 0.00	49.93 1.31 0.00	57.72 1.02 0.00	72.87 0.43 0.00	83.71 0.99 0.00	81.54 -0.25 0.00	72.63 -0.29 0.00	65.24 -1.33 0.00	57.44 -1.90 0.00	54.19 -1.22 0.00	54.44 -1.51 0.00
DUNKIRK___1 23563	46.05 -1.67 0.00	43.87 -1.12 0.00	42.59 -0.74 0.00	42.57 -0.60 0.00	43.36 -0.26 0.00	46.02 -0.05 0.00	55.43 -0.17 0.00	56.00 -0.22 0.00	50.16 0.05 0.00	43.04 0.47 0.00	43.58 0.56 0.00	43.57 0.64 0.00	44.06 1.03 0.00	45.41 1.19 0.00	49.93 1.31 0.00	57.72 1.02 0.00	72.87 0.43 0.00	83.71 0.99 0.00	81.54 -0.25 0.00	72.63 -0.29 0.00	65.24 -1.33 0.00	57.44 -1.90 0.00	54.19 -1.22 0.00	54.44 -1.51 0.00
DUNKIRK___2 23564	46.05 -1.67 0.00	43.87 -1.12 0.00	42.59 -0.74 0.00	42.57 -0.60 0.00	43.36 -0.26 0.00	46.02 -0.05 0.00	55.43 -0.17 0.00	56.00 -0.22 0.00	50.16 0.05 0.00	43.04 0.47 0.00	43.58 0.56 0.00	43.57 0.64 0.00	44.06 1.03 0.00	45.41 1.19 0.00	49.93 1.31 0.00	57.72 1.02 0.00	72.87 0.43 0.00	83.71 0.99 0.00	81.54 -0.25 0.00	72.63 -0.29 0.00	65.24 -1.33 0.00	57.44 -1.90 0.00	54.19 -1.22 0.00	54.44 -1.51 0.00
DUNKIRK___3 23565	46.15 -1.57 0.00	43.91 -1.08 0.00	42.59 -0.74 0.00	42.57 -0.60 0.00	43.32 -0.31 0.00	45.88 -0.18 0.00	55.21 -0.39 0.00	55.66 -0.56 0.00	49.86 -0.25 0.00	42.78 0.21 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.80 0.77 0.00	45.10 0.88 0.00	49.59 0.97 0.00	57.38 0.68 0.00	72.44 0.00 0.00	83.13 0.41 0.00	80.97 -0.82 0.00	72.26 -0.66 0.00	64.97 -1.60 0.00	57.26 -2.08 0.00	54.08 -1.33 0.00	54.44 -1.51 0.00
DUNKIRK___4 23566	46.15 -1.57 0.00	43.91 -1.08 0.00	42.59 -0.74 0.00	42.57 -0.60 0.00	43.32 -0.31 0.00	45.88 -0.18 0.00	55.21 -0.39 0.00	55.66 -0.56 0.00	49.86 -0.25 0.00	42.78 0.21 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.80 0.77 0.00	45.10 0.88 0.00	49.59 0.97 0.00	57.38 0.68 0.00	72.44 0.00 0.00	83.13 0.41 0.00	80.97 -0.82 0.00	72.26 -0.66 0.00	64.97 -1.60 0.00	57.26 -2.08 0.00	54.08 -1.33 0.00	54.44 -1.51 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	50.20 2.48 0.00	47.20 2.20 0.00	45.36 2.04 0.00	45.11 1.94 0.00	45.50 1.88 0.00	48.09 2.03 0.00	58.15 2.56 0.00	59.37 3.15 0.00	52.92 2.81 0.00	44.91 2.34 0.00	45.48 2.45 0.00	45.41 2.49 0.00	45.40 2.37 0.00	46.52 2.30 0.00	51.05 2.43 0.00	59.59 2.89 0.00	75.91 3.48 0.00	86.60 3.89 0.00	85.88 4.09 0.00	76.57 3.65 0.00	69.96 3.39 0.00	62.48 3.14 0.00	58.01 2.60 0.00	58.47 2.52 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	49.87 2.15 0.00	46.88 1.89 0.00	45.05 1.73 0.00	44.85 1.68 0.00	45.28 1.66 0.00	47.82 1.75 0.00	57.82 2.22 0.00	58.92 2.70 0.00	52.42 2.31 0.00	44.40 1.83 0.00	44.87 1.85 0.00	44.77 1.85 0.00	44.79 1.76 0.00	45.99 1.77 0.00	50.52 1.90 0.00	59.03 2.32 0.00	75.41 2.97 0.00	86.11 3.39 0.00	85.39 3.60 0.00	76.13 3.21 0.00	69.50 2.93 0.00	62.01 2.67 0.00	57.62 2.22 0.00	58.14 2.18 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	50.20 2.48 0.00	47.15 2.16 0.00	45.27 1.95 0.00	45.11 1.94 0.00	45.41 1.79 0.00	48.05 1.98 0.00	58.15 2.56 0.00	59.48 3.26 0.00	53.07 2.96 0.00	45.08 2.51 0.00	45.56 2.54 0.00	45.56 2.62 -0.02	45.54 2.50 -0.02	46.65 2.43 0.00	51.20 2.58 0.00	59.76 3.06 0.00	75.99 3.55 0.00	86.60 3.89 0.00	85.88 4.09 0.00	76.64 3.72 0.00	70.09 3.53 0.00	62.66 3.32 0.00	58.07 2.66 0.00	58.53 2.57 0.00



E179THST_13_KV_LOAD 356214	50.39 2.67 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.29 2.12 0.00	45.58 1.96 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.76 2.71 -0.02	46.87 2.65 0.00	51.44 2.82 0.00	60.05 3.35 0.00	76.42 3.98 0.00	87.02 4.30 0.00	86.29 4.50 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
EAST HAMPTON___GT 23717	52.13 3.82 -0.59	48.24 3.24 -0.01	46.36 3.03 -0.01	46.16 2.98 -0.01	46.51 2.88 -0.01	49.25 3.18 -0.01	58.71 3.11 -0.01	64.16 3.83 -4.11	53.33 3.21 -0.01	45.16 2.60 0.00	45.83 2.79 -0.01	45.77 2.83 -0.01	45.75 2.71 -0.01	47.69 2.92 -0.55	55.77 3.26 -3.89	72.40 4.48 -11.22	89.23 6.81 -9.98	99.73 8.35 -8.67	99.26 9.00 -8.48	98.69 8.45 -17.32	88.02 8.12 -13.34	79.45 7.24 -12.88	71.44 6.26 -9.77	62.23 6.27 -0.01
EAST RIVER___6 23660	50.54 2.81 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.33 2.16 0.00	45.67 2.05 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.22 2.64 -0.01	45.74 2.71 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.84 2.61 -0.01	51.34 2.72 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.36 4.58 0.00	76.93 4.01 0.00	70.36 3.79 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.58 2.63 0.00
EAST RIVER___7 23524	50.54 2.81 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.33 2.16 0.00	45.67 2.05 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.22 2.64 -0.01	45.74 2.71 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.84 2.61 -0.01	51.34 2.72 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.36 4.58 0.00	76.93 4.01 0.00	70.36 3.79 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.58 2.63 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	50.11 2.39 0.00	47.11 2.11 0.00	45.27 1.95 0.00	45.07 1.90 0.00	45.45 1.83 0.00	48.00 1.93 0.00	58.04 2.45 0.00	59.26 3.04 0.00	52.82 2.71 0.00	44.78 2.21 0.00	45.35 2.32 0.00	45.29 2.36 0.00	45.27 2.24 0.00	46.43 2.21 0.00	50.91 2.29 0.00	59.48 2.78 0.00	75.77 3.33 0.00	86.44 3.72 0.00	85.71 3.93 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.90 2.49 0.00	58.42 2.46 0.00
EAST_HAMPTON___DIESEL 23722	52.04 3.72 -0.59	48.10 3.10 -0.01	46.28 2.95 -0.01	46.07 2.89 -0.01	46.42 2.79 -0.01	49.16 3.09 -0.01	58.55 2.94 -0.01	63.98 3.65 -4.11	53.13 3.01 -0.01	45.04 2.47 0.00	45.70 2.67 -0.01	45.64 2.71 -0.01	45.66 2.63 -0.01	47.56 2.79 -0.55	55.67 3.16 -3.89	72.29 4.37 -11.22	89.08 6.66 -9.98	99.57 8.19 -8.67	99.18 8.92 -8.48	98.62 8.38 -17.32	88.02 8.12 -13.34	79.45 7.24 -12.88	71.44 6.26 -9.77	62.23 6.27 -0.01
EAST_POINT___SOLAR 323840	49.15 1.43 0.00	46.30 1.31 0.00	44.49 1.17 0.00	44.38 1.21 0.00	44.80 1.18 0.00	47.40 1.34 0.00	57.43 1.83 0.00	58.08 1.85 0.00	50.42 0.30 0.00	41.67 -0.90 0.00	42.04 -0.99 0.00	41.81 -1.12 0.00	41.96 -1.07 0.00	43.56 -0.66 0.00	48.57 -0.05 0.00	57.61 0.90 0.00	74.90 2.46 0.00	85.86 3.14 0.00	84.82 3.03 0.00	75.54 2.62 0.00	68.76 2.19 0.00	61.18 1.84 0.00	57.07 1.66 0.00	57.58 1.62 0.00
EAST_PULASKI___ESR 323781	47.01 -0.71 0.00	44.36 -0.63 0.00	42.76 -0.56 0.00	42.61 -0.56 0.00	43.10 -0.52 0.00	45.42 -0.64 0.00	54.76 -0.83 0.00	55.27 -0.96 0.00	49.26 -0.85 0.00	41.84 -0.72 0.00	42.21 -0.82 0.00	42.07 -0.86 0.00	42.21 -0.82 0.00	43.33 -0.88 0.00	47.65 -0.97 0.00	55.79 -0.91 0.00	71.42 -1.01 0.00	81.81 -0.91 0.00	80.72 -1.07 0.00	71.97 -0.95 0.00	65.57 -1.00 0.00	58.45 -0.89 0.00	54.52 -0.89 0.00	55.06 -0.90 0.00
EAST_RIVER___1 323558	50.58 2.86 0.00	47.42 2.43 0.00	45.57 2.25 0.00	45.37 2.20 0.00	45.76 2.14 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.22 2.64 -0.01	45.74 2.71 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.79 2.56 -0.01	51.29 2.67 0.00	59.87 3.17 0.00	76.34 3.91 0.00	87.01 4.30 0.00	86.28 4.50 0.00	76.93 4.01 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.23 2.82 0.00	58.64 2.69 0.00
EAST_RIVER___2 323559	50.54 2.81 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.33 2.16 0.00	45.67 2.05 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.22 2.64 -0.01	45.74 2.71 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.84 2.61 -0.01	51.34 2.72 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.36 4.58 0.00	76.93 4.01 0.00	70.36 3.79 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.58 2.63 0.00
EAST___DELAWARE_HYD 23607	50.34 2.62 0.00	47.28 2.29 0.00	45.44 2.12 0.00	45.29 2.11 0.00	45.76 2.14 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.48 3.26 0.00	52.87 2.75 0.00	44.61 2.04 0.00	44.96 1.94 0.00	44.86 1.93 0.00	44.88 1.85 0.00	46.12 1.90 0.00	50.76 2.14 0.00	59.42 2.72 0.00	76.27 3.84 0.00	87.26 4.55 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.23 2.82 0.00	58.75 2.80 0.00
EIGHT_POINT___WT_PWR 323820	45.67 -2.05 0.00	43.51 -1.48 0.00	42.24 -1.08 0.00	42.39 -0.78 0.00	43.32 -0.30 0.00	45.93 -0.14 0.00	55.65 0.06 0.00	56.45 0.23 0.00	50.51 0.40 0.00	43.04 0.47 0.00	43.50 0.47 0.00	43.48 0.56 0.00	43.93 0.91 0.00	45.41 1.19 0.00	50.13 1.51 0.00	58.46 1.76 0.00	74.39 1.96 0.00	85.36 2.65 0.00	83.51 1.72 0.00	74.23 1.31 0.00	66.70 0.13 0.00	58.33 -1.01 0.00	54.47 -0.94 0.00	54.33 -1.62 0.00
ELBRIDGE_115KV_TB2 80188	47.24 -0.48 0.00	44.54 -0.45 0.00	42.93 -0.39 0.00	42.87 -0.30 0.00	43.32 -0.31 0.00	45.70 -0.37 0.00	55.15 -0.44 0.00	55.61 -0.62 0.00	49.61 -0.50 0.00	42.23 -0.34 0.00	42.64 -0.39 0.00	42.49 -0.43 0.00	42.69 -0.34 0.00	43.82 -0.40 0.00	48.18 -0.44 0.00	56.19 -0.51 0.00	71.71 -0.72 0.00	81.97 -0.74 0.00	80.89 -0.90 0.00	72.12 -0.80 0.00	65.70 -0.87 0.00	58.39 -0.95 0.00	54.58 -0.83 0.00	55.00 -0.95 0.00
ELEC_TRO_TEK 24086	51.61 2.82 -1.08	47.57 2.56 -0.02	45.68 2.34 -0.02	45.52 2.33 -0.02	45.99 2.36 -0.02	48.57 2.49 -0.02	58.67 3.06 -0.02	67.31 3.60 -7.49	53.34 3.21 -0.02	45.38 2.81 0.00	45.79 2.75 -0.02	45.73 2.79 -0.02	45.67 2.62 -0.02	47.78 2.56 -1.00	58.44 2.72 -7.10	80.45 3.29 -20.46	94.84 4.20 -18.21	103.08 4.63 -15.74	102.09 4.91 -15.39	108.73 4.30 -31.51	94.95 4.13 -24.26	86.54 3.80 -23.41	76.27 3.05 -17.81	58.93 2.97 -0.02
ELLENBURG_WT_PWR 323604	46.29 -1.43 0.00	43.78 -1.21 0.00	42.15 -1.17 0.00	42.05 -1.12 0.00	42.53 -1.09 0.00	44.96 -1.11 0.00	54.48 -1.11 0.00	55.21 -1.01 0.00	49.26 -0.85 0.00	41.80 -0.76 0.00	42.38 -0.64 0.00	42.36 -0.56 0.00	42.56 -0.47 0.00	43.86 -0.36 0.00	48.48 -0.15 0.00	56.53 -0.17 0.00	72.73 0.29 0.00	83.21 0.50 0.00	82.36 0.58 0.00	73.58 0.65 0.00	67.16 0.60 0.00	59.93 0.59 0.00	56.02 0.61 0.00	56.57 0.62 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	46.24 -1.48 0.00	44.00 -0.99 0.00	42.67 -0.65 0.00	42.57 -0.60 0.00	43.27 -0.35 0.00	45.74 -0.32 0.00	54.82 -0.78 0.00	55.10 -1.12 0.00	49.41 -0.70 0.00	42.35 -0.21 0.00	42.98 -0.04 0.00	42.97 0.04 0.00	43.46 0.43 0.00	44.79 0.57 0.00	49.25 0.63 0.00	56.87 0.17 0.00	71.57 -0.87 0.00	82.05 -0.66 0.00	79.99 -1.80 0.00	71.46 -1.46 0.00	64.37 -2.20 0.00	56.96 -2.37 0.00	53.97 -1.44 0.00	54.44 -1.51 0.00
EMPIRE_CC_1 323656	49.44 1.72 0.00	46.52 1.53 0.00	44.71 1.39 0.00	44.51 1.34 0.00	44.93 1.31 0.00	47.40 1.34 0.00	57.10 1.50 0.00	57.63 1.41 0.00	51.27 1.15 0.00	43.55 0.98 0.00	44.14 1.12 0.00	44.04 1.11 0.00	44.06 1.03 0.00	45.28 1.06 0.00	49.79 1.16 0.00	57.95 1.25 0.00	73.67 1.23 0.00	84.03 1.32 0.00	83.26 1.47 0.00	74.23 1.31 0.00	67.90 1.33 0.00	60.70 1.37 0.00	56.63 1.22 0.00	57.46 1.51 0.00
EMPIRE_CC_2 323658	49.44 1.72 0.00	46.52 1.53 0.00	44.71 1.39 0.00	44.51 1.34 0.00	44.93 1.31 0.00	47.40 1.34 0.00	57.10 1.50 0.00	57.63 1.41 0.00	51.27 1.15 0.00	43.55 0.98 0.00	44.14 1.12 0.00	44.04 1.11 0.00	44.06 1.03 0.00	45.28 1.06 0.00	49.79 1.16 0.00	57.95 1.25 0.00	73.67 1.23 0.00	84.03 1.32 0.00	83.26 1.47 0.00	74.23 1.31 0.00	67.90 1.33 0.00	60.70 1.37 0.00	56.63 1.22 0.00	57.46 1.51 0.00
ENORWICH_115KV_TB1 80156	49.87 2.15 0.00	47.15 2.16 0.00	45.49 2.17 0.00	45.33 2.16 0.00	46.06 2.44 0.00	48.78 2.72 0.00	59.15 3.56 0.00	60.05 3.82 0.00	53.52 3.41 0.00	44.95 2.38 0.00	45.17 2.15 0.00	45.07 2.15 0.00	45.44 2.41 0.00	46.74 2.52 0.00	51.88 3.26 0.00	61.18 4.48 0.00	79.46 7.03 0.00	91.32 8.60 0.00	89.48 7.69 0.00	79.63 6.71 0.00	72.22 5.66 0.00	63.79 4.45 0.00	59.23 3.82 0.00	59.48 3.53 0.00
ERIE_ST__34_KV_TB1-2 80199	46.67 -1.05 0.00	44.41 -0.58 0.00	43.02 -0.30 0.00	42.91 -0.26 0.00	43.66 0.04 0.00	46.16 0.09 0.00	55.43 -0.17 0.00	55.72 -0.51 0.00	49.91 -0.20 0.00	42.82 0.26 0.00	43.37 0.34 0.00	43.40 0.47 0.00	43.89 0.86 0.00	45.24 1.02 0.00	49.74 1.12 0.00	57.49 0.79 0.00	72.44 0.00 0.00	83.21 0.50 0.00	81.05 -0.74 0.00	72.41 -0.51 0.00	65.17 -1.40 0.00	57.62 -1.72 0.00	54.52 -0.89 0.00	55.00 -0.95 0.00
ERIE_WT_PWR 323693	46.34 -1.39 0.00	44.14 -0.86 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.49 -0.13 0.00	46.02 -0.05 0.00	55.09 -0.50 0.00	55.44 -0.79 0.00	49.66 -0.45 0.00	42.61 0.04 0.00	43.20 0.17 0.00	43.23 0.30 0.00	43.72 0.69 0.00	45.06 0.84 0.00	49.54 0.92 0.00	57.21 0.51 0.00	72.15 -0.29 0.00	82.72 0.00 0.00	80.64 -1.15 0.00	71.97 -0.95 0.00	64.84 -1.73 0.00	57.32 -2.02 0.00	54.30 -1.11 0.00	54.72 -1.23 0.00
ESPRGFLD_115KV_TB1 80157	47.91 0.19 0.00	45.13 0.13 0.00	43.41 0.09 0.00	43.21 0.04 0.00	43.75 0.13 0.00	46.30 0.23 0.00	56.04 0.44 0.00	56.79 0.56 0.00	50.16 0.05 0.00	42.06 -0.51 0.00	42.38 -0.65 0.00	42.28 -0.64 0.00	42.43 -0.60 0.00	43.69 -0.53 0.00	48.33 -0.29 0.00	56.98 0.28 0.00	73.52 1.09 0.00	84.20 1.49 0.00	83.10 1.31 0.00	74.01 1.09 0.00	67.37 0.80 0.00	59.87 0.53 0.00	55.80 0.39 0.00	56.23 0.28 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	48.29 0.57 0.00	45.58 0.58 0.00	43.93 0.61 0.00	43.86 0.69 0.00	44.36 0.74 0.00	46.85 0.78 0.00	56.65 1.06 0.00	57.29 1.07 0.00	51.07 0.95 0.00	43.29 0.72 0.00	43.63 0.60 0.00	43.48 0.56 0.00	43.68 0.65 0.00	44.88 0.66 0.00	49.50 0.88 0.00	57.89 1.19 0.00	74.17 1.74 0.00	84.95 2.23 0.00	83.67 1.88 0.00	74.60 1.68 0.00	67.90 1.33 0.00	60.23 0.89 0.00	56.24 0.83 0.00	56.62 0.67 0.00
ETNA_____115KV_TB2 80207	48.29 0.57 0.00	45.58 0.58 0.00	43.93 0.61 0.00	43.86 0.69 0.00	44.36 0.74 0.00	46.85 0.78 0.00	56.65 1.06 0.00	57.29 1.07 0.00	51.07 0.95 0.00	43.29 0.72 0.00	43.63 0.60 0.00	43.48 0.56 0.00	43.68 0.65 0.00	44.88 0.66 0.00	49.50 0.88 0.00	57.89 1.19 0.00	74.17 1.74 0.00	84.95 2.23 0.00	83.67 1.88 0.00	74.60 1.68 0.00	67.90 1.33 0.00	60.23 0.89 0.00	56.24 0.83 0.00	56.62 0.67 0.00
EUCLID___115KV_TB2 356179	47.05 -0.67 0.00	44.36 -0.63 0.00	42.76 -0.56 0.00	42.65 -0.52 0.00	43.14 -0.48 0.00	45.51 -0.55 0.00	54.87 -0.72 0.00	55.27 -0.96 0.00	49.31 -0.80 0.00	42.01 -0.55 0.00	42.42 -0.60 0.00	42.28 -0.64 0.00	42.43 -0.60 0.00	43.60 -0.62 0.00	47.89 -0.73 0.00	55.85 -0.85 0.00	71.28 -1.16 0.00	81.47 -1.24 0.00	80.32 -1.47 0.00	71.61 -1.31 0.00	65.30 -1.26 0.00	58.09 -1.25 0.00	54.30 -1.11 0.00	54.78 -1.18 0.00
E_CANADA_CAP_HY 24051	47.86 0.14 0.00	45.08 0.09 0.00	43.32 0.00 0.00	43.17 0.00 0.00	43.62 0.00 0.00	46.11 0.05 0.00	55.87 0.28 0.00	56.51 0.28 0.00	49.36 -0.75 0.00	41.12 -1.45 0.00	41.35 -1.68 0.00	41.16 -1.76 0.00	41.26 -1.77 0.00	42.67 -1.55 0.00	47.36 -1.26 0.00	56.08 -0.62 0.00	72.65 0.22 0.00	83.30 0.58 0.00	82.28 0.49 0.00	73.36 0.44 0.00	66.77 0.20 0.00	59.45 0.12 0.00	55.52 0.11 0.00	56.07 0.11 0.00
E_CANADA_MHWK_HY 24050	50.44 2.72 0.00	47.65 2.65 0.00	45.92 2.60 0.00	45.80 2.63 0.00	46.37 2.75 0.00	49.02 2.95 0.00	59.21 3.61 0.00	59.93 3.71 0.00	53.42 3.31 0.00	45.38 2.81 0.00	45.82 2.79 0.00	45.67 2.75 0.00	45.87 2.84 0.00	47.18 2.96 0.00	52.07 3.45 0.00	60.96 4.25 0.00	78.09 5.65 0.00	89.41 6.70 0.00	88.41 6.62 0.00	78.82 5.90 0.00	71.89 5.33 0.00	63.97 4.63 0.00	59.84 4.43 0.00	60.32 4.37 0.00
E_FISHKILL___LBMP 23776	49.87 2.15 0.00	46.88 1.89 0.00	45.05 1.73 0.00	44.81 1.64 0.00	45.23 1.61 0.00	47.77 1.70 0.00	57.71 2.11 0.00	58.87 2.64 0.00	52.42 2.31 0.00	44.44 1.87 0.00	44.96 1.94 0.00	44.94 2.02 0.00	44.92 1.89 0.00	46.08 1.86 0.00	50.57 1.94 0.00	59.03 2.32 0.00	75.19 2.75 0.00	85.78 3.06 0.00	84.98 3.19 0.00	75.76 2.84 0.00	69.30 2.73 0.00	61.89 2.55 0.00	57.57 2.16 0.00	58.08 2.13 0.00
FALCON___SEABRD_CC1 323796	46.63 -1.10 0.00	44.09 -0.90 0.00	42.50 -0.82 0.00	42.35 -0.82 0.00	42.84 -0.78 0.00	45.33 -0.74 0.00	55.04 -0.56 0.00	55.72 -0.51 0.00	49.71 -0.40 0.00	42.14 -0.43 0.00	42.77 -0.26 0.00	42.75 -0.17 0.00	42.99 -0.04 0.00	44.31 0.09 0.00	49.01 0.39 0.00	57.15 0.45 0.00	73.59 1.16 0.00	84.12 1.40 0.00	83.34 1.55 0.00	74.38 1.46 0.00	67.97 1.40 0.00	60.58 1.25 0.00	56.63 1.22 0.00	57.18 1.23 0.00
FALCON___SEABRD_CC2 323797	46.63 -1.10 0.00	44.09 -0.90 0.00	42.50 -0.82 0.00	42.35 -0.82 0.00	42.84 -0.78 0.00	45.33 -0.74 0.00	55.04 -0.56 0.00	55.72 -0.51 0.00	49.71 -0.40 0.00	42.14 -0.43 0.00	42.77 -0.26 0.00	42.75 -0.17 0.00	42.99 -0.04 0.00	44.31 0.09 0.00	49.01 0.39 0.00	57.15 0.45 0.00	73.59 1.16 0.00	84.12 1.40 0.00	83.34 1.55 0.00	74.38 1.46 0.00	67.97 1.40 0.00	60.58 1.25 0.00	56.63 1.22 0.00	57.18 1.23 0.00



FAR ROCKAWAY___4 23548	52.32 3.58 -1.02	48.29 3.28 -0.02	46.41 3.08 -0.02	46.21 3.02 -0.02	46.65 3.01 -0.02	49.31 3.22 -0.02	59.50 3.89 -0.02	67.74 4.44 -7.07	54.09 3.96 -0.02	45.97 3.41 0.00	46.48 3.44 -0.02	46.42 3.48 -0.02	46.36 3.31 -0.02	48.39 3.23 -0.95	58.78 3.45 -6.70	80.16 4.14 -19.32	95.06 5.43 -17.19	103.61 6.04 -14.86	102.54 6.22 -14.54	108.22 5.54 -29.75	94.73 5.26 -22.90	86.19 4.75 -22.11	76.11 3.88 -16.82	59.83 3.86 -0.02
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	50.35 2.62 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.83 2.61 0.00	51.34 2.72 0.00	59.93 3.23 0.00	76.35 3.91 0.00	87.10 4.38 0.00	86.29 4.50 0.00	77.00 4.08 0.00	70.36 3.79 0.00	62.78 3.44 0.00	58.29 2.88 0.00	58.69 2.74 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	50.39 2.67 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.83 2.61 0.00	51.34 2.72 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.37 4.58 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.84 3.50 0.00	58.29 2.88 0.00	58.69 2.74 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	50.35 2.62 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.22 3.11 0.00	45.21 2.64 0.00	45.73 2.71 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.34 2.72 0.00	59.88 3.18 0.00	76.35 3.91 0.00	87.02 4.30 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.36 3.79 0.00	62.78 3.44 0.00	58.23 2.83 0.00	58.69 2.74 0.00
FARRAGUT___LBMP 323566	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.23 2.17 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.22 3.11 0.00	45.16 2.60 0.00	45.73 2.71 0.00	45.69 2.75 -0.02	45.67 2.62 -0.02	46.78 2.56 0.00	51.29 2.67 0.00	59.88 3.18 0.00	76.28 3.84 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
FENNER___WINDPWR 24204	48.48 0.76 0.00	45.76 0.76 0.00	44.10 0.78 0.00	43.95 0.78 0.00	44.45 0.83 0.00	46.94 0.87 0.00	56.71 1.11 0.00	57.35 1.12 0.00	51.12 1.00 0.00	43.29 0.72 0.00	43.71 0.69 0.00	43.52 0.60 0.00	43.68 0.65 0.00	44.84 0.62 0.00	49.40 0.78 0.00	57.83 1.13 0.00	74.17 1.74 0.00	84.86 2.15 0.00	83.67 1.88 0.00	74.60 1.68 0.00	67.97 1.40 0.00	60.46 1.12 0.00	56.41 1.00 0.00	56.85 0.89 0.00
FIBERTEK___ENERGY 23856	47.48 -0.24 0.00	44.81 -0.18 0.00	43.15 -0.17 0.00	43.08 -0.09 0.00	43.53 -0.09 0.00	45.93 -0.14 0.00	55.43 -0.17 0.00	55.89 -0.34 0.00	49.91 -0.20 0.00	42.48 -0.09 0.00	42.89 -0.13 0.00	42.75 -0.17 0.00	42.90 -0.13 0.00	44.09 -0.13 0.00	48.43 -0.19 0.00	56.53 -0.17 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.30 -0.49 0.00	72.48 -0.44 0.00	66.03 -0.53 0.00	58.74 -0.59 0.00	54.91 -0.50 0.00	55.34 -0.62 0.00
FITZPATRICK___ 23598	46.29 -1.43 0.00	43.69 -1.31 0.00	42.11 -1.21 0.00	41.96 -1.21 0.00	42.45 -1.18 0.00	44.78 -1.29 0.00	54.04 -1.56 0.00	54.37 -1.85 0.00	48.51 -1.61 0.00	41.33 -1.24 0.00	41.73 -1.29 0.00	41.59 -1.33 0.00	41.74 -1.29 0.00	42.89 -1.33 0.00	47.11 -1.51 0.00	54.94 -1.76 0.00	70.12 -2.32 0.00	80.07 -2.65 0.00	79.01 -2.78 0.00	70.44 -2.48 0.00	64.23 -2.33 0.00	57.14 -2.19 0.00	53.47 -1.94 0.00	53.94 -2.01 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	50.35 2.62 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.29 2.12 0.00	45.71 2.09 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.54 3.32 0.00	52.92 2.81 0.00	44.78 2.21 0.00	45.22 2.19 0.00	45.11 2.19 0.00	45.14 2.11 0.00	46.39 2.17 0.00	51.00 2.38 0.00	59.59 2.89 0.00	76.20 3.77 0.00	87.02 4.30 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.16 3.59 0.00	62.66 3.32 0.00	58.23 2.83 0.00	58.75 2.80 0.00
FORT ORANGE___ 23900	49.53 1.81 0.00	46.61 1.62 0.00	44.80 1.47 0.00	44.64 1.47 0.00	45.06 1.44 0.00	47.54 1.47 0.00	57.26 1.67 0.00	57.97 1.74 0.00	51.47 1.35 0.00	43.59 1.02 0.00	44.05 1.03 0.00	43.91 0.99 0.00	43.93 0.91 0.00	45.19 0.97 0.00	49.69 1.07 0.00	57.95 1.25 0.00	73.88 1.45 0.00	84.46 1.74 0.00	83.67 1.88 0.00	74.52 1.60 0.00	68.10 1.53 0.00	60.99 1.66 0.00	56.90 1.50 0.00	57.58 1.62 0.00
FORT_DRUM_COGEN 23780	47.77 0.05 0.00	45.08 0.09 0.00	43.41 0.09 0.00	43.08 -0.09 0.00	43.71 0.09 0.00	46.07 0.00 0.00	55.54 -0.06 0.00	56.28 0.06 0.00	50.01 -0.10 0.00	42.06 -0.51 0.00	42.29 -0.73 0.00	42.07 -0.86 0.00	42.21 -0.82 0.00	43.25 -0.97 0.00	47.75 -0.88 0.00	56.36 -0.34 0.00	73.02 0.58 0.00	84.29 1.57 0.00	83.18 1.39 0.00	74.16 1.24 0.00	67.50 0.93 0.00	60.52 1.19 0.00	56.29 0.89 0.00	56.85 0.90 0.00
FOX_HILLS___ESR 323835	50.35 2.62 0.00	47.29 2.29 0.00	45.36 2.04 0.00	45.11 1.94 0.00	45.45 1.83 0.00	48.09 2.03 0.00	58.21 2.61 0.00	59.54 3.32 0.00	53.02 2.91 0.00	45.04 2.47 0.00	45.56 2.54 0.00	45.60 2.66 -0.02	45.54 2.50 -0.02	46.70 2.48 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.28 3.84 0.00	87.10 4.38 0.00	86.37 4.58 0.00	77.00 4.08 0.00	70.36 3.79 0.00	62.84 3.50 0.00	58.23 2.83 0.00	58.64 2.69 0.00
FPL_FAR_ROCK_GT1 24212	52.51 3.77 -1.02	48.38 3.38 -0.02	46.50 3.16 -0.02	46.38 3.19 -0.02	46.78 3.14 -0.02	49.40 3.32 -0.02	59.56 3.95 -0.02	67.74 4.44 -7.07	54.09 3.96 -0.02	45.97 3.41 0.00	46.48 3.44 -0.02	46.41 3.48 -0.02	46.36 3.31 -0.02	48.39 3.23 -0.95	58.78 3.45 -6.70	80.16 4.14 -19.32	95.06 5.44 -17.19	103.61 6.04 -14.86	102.54 6.21 -14.54	108.22 5.54 -29.75	94.73 5.26 -22.90	86.01 4.57 -22.11	76.11 3.88 -16.82	59.83 3.86 -0.02
FPL_FAR_ROCK_GT2 23815	52.51 3.77 -1.02	48.38 3.38 -0.02	46.50 3.16 -0.02	46.38 3.19 -0.02	46.78 3.14 -0.02	49.40 3.32 -0.02	59.56 3.95 -0.02	67.74 4.44 -7.07	54.09 3.96 -0.02	45.97 3.41 0.00	46.48 3.44 -0.02	46.41 3.48 -0.02	46.36 3.31 -0.02	48.39 3.23 -0.95	58.78 3.45 -6.70	80.16 4.14 -19.32	95.06 5.44 -17.19	103.61 6.04 -14.86	102.54 6.21 -14.54	108.22 5.54 -29.75	94.73 5.26 -22.90	86.01 4.57 -22.11	76.11 3.88 -16.82	59.83 3.86 -0.02
FRANKLIN_FALL_HYD 24054	46.86 -0.86 0.00	44.32 -0.67 0.00	42.76 -0.56 0.00	42.61 -0.56 0.00	43.10 -0.52 0.00	45.56 -0.51 0.00	55.37 -0.22 0.00	56.05 -0.17 0.00	50.01 -0.10 0.00	42.31 -0.26 0.00	42.94 -0.09 0.00	42.88 -0.04 0.00	43.07 0.04 0.00	44.40 0.18 0.00	49.01 0.39 0.00	57.04 0.34 0.00	73.59 1.16 0.00	84.04 1.32 0.00	83.34 1.55 0.00	74.38 1.46 0.00	67.96 1.40 0.00	60.64 1.31 0.00	56.68 1.27 0.00	57.24 1.29 0.00



FREEPORT_EQUS_GT1 23764	52.03 3.48 -0.83	48.11 3.10 -0.01	46.24 2.90 -0.01	46.08 2.89 -0.01	46.51 2.88 -0.01	49.12 3.04 -0.01	59.28 3.67 -0.01	66.15 4.16 -5.77	53.83 3.71 -0.01	45.72 3.15 0.00	46.18 3.14 -0.01	46.11 3.18 -0.01	46.05 3.01 -0.01	48.00 3.01 -0.77	57.29 3.21 -5.47	76.26 3.80 -15.76	91.31 4.85 -14.02	100.21 5.37 -12.12	99.28 5.64 -11.85	102.15 4.96 -24.27	89.97 4.73 -18.68	81.51 4.15 -18.03	72.67 3.55 -13.72	59.44 3.47 -0.01
FREEPORT___CT2 23818	52.03 3.48 -0.83	48.11 3.10 -0.01	46.24 2.90 -0.01	46.08 2.89 -0.01	46.51 2.88 -0.01	49.12 3.04 -0.01	59.28 3.67 -0.01	66.15 4.16 -5.77	53.83 3.71 -0.01	45.72 3.15 0.00	46.18 3.14 -0.01	46.11 3.18 -0.01	46.05 3.01 -0.01	48.00 3.01 -0.77	57.29 3.21 -5.47	76.26 3.80 -15.76	91.31 4.85 -14.02	100.21 5.37 -12.12	99.28 5.64 -11.85	102.15 4.96 -24.27	89.97 4.73 -18.68	81.51 4.15 -18.03	72.67 3.55 -13.72	59.44 3.47 -0.01
FRESHKLS_33_KV_LOAD 356253	50.44 2.72 0.00	47.33 2.34 0.00	45.36 2.04 0.00	45.16 1.99 0.00	45.50 1.88 0.00	48.14 2.07 0.00	58.26 2.67 0.00	59.60 3.37 0.00	53.07 2.96 0.00	45.04 2.47 0.00	45.56 2.54 0.00	45.56 2.62 -0.02	45.54 2.50 -0.02	46.70 2.48 0.00	51.25 2.63 0.00	59.88 3.18 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.29 2.88 0.00	58.69 2.74 0.00
FULTON COGEN____ 23766	46.77 -0.95 0.00	44.09 -0.90 0.00	42.50 -0.82 0.00	42.39 -0.78 0.00	42.88 -0.74 0.00	45.19 -0.88 0.00	54.48 -1.11 0.00	54.87 -1.35 0.00	49.01 -1.10 0.00	41.72 -0.85 0.00	42.12 -0.90 0.00	41.98 -0.94 0.00	42.13 -0.90 0.00	43.25 -0.97 0.00	47.50 -1.12 0.00	55.45 -1.25 0.00	70.77 -1.67 0.00	80.90 -1.82 0.00	79.82 -1.96 0.00	71.17 -1.75 0.00	64.90 -1.66 0.00	57.73 -1.60 0.00	53.91 -1.50 0.00	54.39 -1.57 0.00
FULTON___LFGE 323630	49.15 1.43 0.00	46.30 1.31 0.00	44.49 1.17 0.00	44.38 1.21 0.00	44.80 1.18 0.00	47.35 1.29 0.00	57.32 1.73 0.00	58.02 1.80 0.00	50.67 0.55 0.00	42.14 -0.43 0.00	42.29 -0.73 0.00	42.07 -0.86 0.00	42.17 -0.86 0.00	43.64 -0.58 0.00	48.52 -0.10 0.00	57.55 0.85 0.00	74.61 2.17 0.00	85.44 2.73 0.00	84.48 2.69 0.00	75.25 2.33 0.00	68.56 2.00 0.00	61.11 1.78 0.00	56.96 1.55 0.00	57.52 1.56 0.00
G.F.CEMENT___DRP 24184	51.16 3.44 0.00	48.19 3.19 0.00	46.35 3.03 0.00	46.19 3.02 0.00	46.59 2.97 0.00	49.20 3.13 0.00	59.54 3.95 0.00	60.33 4.10 0.00	53.37 3.26 0.00	44.91 2.34 0.00	45.30 2.28 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.34 2.12 0.00	51.20 2.58 0.00	59.99 3.29 0.00	77.29 4.85 0.00	88.34 5.62 0.00	87.35 5.56 0.00	77.81 4.89 0.00	71.09 4.53 0.00	63.49 4.15 0.00	59.18 3.77 0.00	59.87 3.92 0.00
GARDENVILLE___LBMP 24039	46.29 -1.43 0.00	44.05 -0.94 0.00	42.67 -0.65 0.00	42.61 -0.56 0.00	43.36 -0.26 0.00	45.84 -0.23 0.00	54.98 -0.61 0.00	55.27 -0.96 0.00	49.51 -0.60 0.00	42.48 -0.09 0.00	43.07 0.04 0.00	43.05 0.13 0.00	43.55 0.52 0.00	44.88 0.66 0.00	49.35 0.73 0.00	57.04 0.34 0.00	71.78 -0.65 0.00	82.38 -0.33 0.00	80.32 -1.47 0.00	71.75 -1.17 0.00	64.57 -2.00 0.00	57.08 -2.25 0.00	54.08 -1.33 0.00	54.50 -1.45 0.00
GARDNVLA_35_KV_LD 355827	46.48 -1.24 0.00	44.23 -0.76 0.00	42.89 -0.43 0.00	42.78 -0.39 0.00	43.53 -0.09 0.00	46.02 -0.05 0.00	55.21 -0.39 0.00	55.55 -0.67 0.00	49.76 -0.35 0.00	42.70 0.13 0.00	43.28 0.26 0.00	43.31 0.39 0.00	43.80 0.77 0.00	45.15 0.93 0.00	49.64 1.02 0.00	57.32 0.62 0.00	72.15 -0.29 0.00	82.80 0.08 0.00	80.72 -1.06 0.00	72.12 -0.80 0.00	64.90 -1.66 0.00	57.38 -1.96 0.00	54.36 -1.05 0.00	54.78 -1.18 0.00
GELCKHM___115KV_LOAD 80723	47.24 -0.48 0.00	44.54 -0.45 0.00	42.89 -0.43 0.00	42.83 -0.35 0.00	43.27 -0.35 0.00	45.65 -0.41 0.00	55.09 -0.50 0.00	55.49 -0.73 0.00	49.56 -0.55 0.00	42.18 -0.38 0.00	42.59 -0.43 0.00	42.45 -0.47 0.00	42.64 -0.39 0.00	43.78 -0.44 0.00	48.13 -0.49 0.00	56.13 -0.57 0.00	71.64 -0.80 0.00	81.81 -0.91 0.00	80.72 -1.06 0.00	71.97 -0.95 0.00	65.57 -1.00 0.00	58.33 -1.01 0.00	54.52 -0.89 0.00	55.00 -0.95 0.00
GENERAL___MILLS 23808	46.43 -1.29 0.00	44.18 -0.81 0.00	42.80 -0.52 0.00	42.74 -0.43 0.00	43.45 -0.17 0.00	45.93 -0.14 0.00	55.09 -0.50 0.00	55.44 -0.79 0.00	49.66 -0.45 0.00	42.61 0.04 0.00	43.20 0.17 0.00	43.18 0.26 0.00	43.68 0.65 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.21 0.51 0.00	72.00 -0.43 0.00	82.63 -0.08 0.00	80.56 -1.23 0.00	71.97 -0.95 0.00	64.77 -1.80 0.00	57.26 -2.08 0.00	54.24 -1.16 0.00	54.72 -1.23 0.00
GE_PLASTICS___DRP 24183	49.06 1.34 0.00	46.21 1.21 0.00	44.45 1.13 0.00	44.25 1.08 0.00	44.67 1.05 0.00	47.13 1.06 0.00	56.87 1.28 0.00	57.57 1.35 0.00	51.27 1.15 0.00	43.46 0.89 0.00	43.97 0.95 0.00	43.83 0.90 0.00	43.89 0.86 0.00	45.10 0.88 0.00	49.54 0.92 0.00	57.72 1.02 0.00	73.59 1.16 0.00	83.96 1.24 0.00	83.10 1.31 0.00	74.09 1.17 0.00	67.70 1.13 0.00	60.58 1.25 0.00	56.57 1.16 0.00	57.18 1.23 0.00
GILBOA___1 23756	49.01 1.29 0.00	46.12 1.13 0.00	44.36 1.04 0.00	44.20 1.03 0.00	44.62 1.00 0.00	47.13 1.06 0.00	56.82 1.22 0.00	57.63 1.41 0.00	51.31 1.20 0.00	43.55 0.98 0.00	44.05 1.03 0.00	43.95 1.03 0.00	44.02 0.99 0.00	45.19 0.97 0.00	49.64 1.02 0.00	57.83 1.13 0.00	73.67 1.23 0.00	83.87 1.16 0.00	83.26 1.47 0.00	74.16 1.24 0.00	67.90 1.33 0.00	60.58 1.25 0.00	56.52 1.11 0.00	57.13 1.18 0.00
GILBOA___2 23757	49.01 1.29 0.00	46.12 1.13 0.00	44.36 1.04 0.00	44.20 1.03 0.00	44.62 1.00 0.00	47.13 1.06 0.00	56.82 1.22 0.00	57.63 1.41 0.00	51.31 1.20 0.00	43.55 0.98 0.00	44.05 1.03 0.00	43.95 1.03 0.00	44.02 0.99 0.00	45.19 0.97 0.00	49.64 1.02 0.00	57.83 1.13 0.00	73.67 1.23 0.00	83.87 1.16 0.00	83.26 1.47 0.00	74.16 1.24 0.00	67.90 1.33 0.00	60.58 1.25 0.00	56.52 1.11 0.00	57.13 1.18 0.00
GILBOA___3 23758	49.01 1.29 0.00	46.12 1.13 0.00	44.36 1.04 0.00	44.20 1.03 0.00	44.62 1.00 0.00	47.13 1.06 0.00	56.82 1.22 0.00	57.63 1.41 0.00	51.31 1.20 0.00	43.55 0.98 0.00	44.05 1.03 0.00	43.95 1.03 0.00	44.02 0.99 0.00	45.19 0.97 0.00	49.64 1.02 0.00	57.83 1.13 0.00	73.67 1.23 0.00	83.87 1.16 0.00	83.26 1.47 0.00	74.16 1.24 0.00	67.90 1.33 0.00	60.58 1.25 0.00	56.52 1.11 0.00	57.13 1.18 0.00
GILBOA___4 23759	49.01 1.29 0.00	46.12 1.13 0.00	44.36 1.04 0.00	44.20 1.03 0.00	44.62 1.00 0.00	47.13 1.06 0.00	56.82 1.22 0.00	57.63 1.41 0.00	51.31 1.20 0.00	43.55 0.98 0.00	44.05 1.03 0.00	43.95 1.03 0.00	44.02 0.99 0.00	45.19 0.97 0.00	49.64 1.02 0.00	57.83 1.13 0.00	73.67 1.23 0.00	83.87 1.16 0.00	83.26 1.47 0.00	74.16 1.24 0.00	67.90 1.33 0.00	60.58 1.25 0.00	56.52 1.11 0.00	57.13 1.18 0.00



GILBOA____ 23599	48.91 1.19 0.00	46.07 1.08 0.00	44.32 1.00 0.00	44.12 0.95 0.00	44.58 0.96 0.00	47.08 1.01 0.00	56.82 1.22 0.00	57.63 1.41 0.00	51.32 1.20 0.00	43.55 0.98 0.00	44.06 1.03 0.00	43.95 1.03 0.00	44.02 0.99 0.00	45.19 0.97 0.00	49.64 1.02 0.00	57.84 1.13 0.00	73.67 1.23 0.00	83.87 1.16 0.00	83.26 1.47 0.00	74.16 1.24 0.00	67.90 1.33 0.00	60.58 1.25 0.00	56.52 1.11 0.00	57.13 1.18 0.00
GINNA____ 23603	44.72 -3.00 0.00	42.43 -2.56 0.00	41.02 -2.30 0.00	40.88 -2.29 0.00	41.35 -2.27 0.00	43.72 -2.35 0.00	52.70 -2.89 0.00	53.19 -3.04 0.00	47.56 -2.55 0.00	40.48 -2.08 0.00	41.09 -1.94 0.00	41.04 -1.89 0.00	41.35 -1.68 0.00	42.54 -1.68 0.00	46.82 -1.80 0.00	54.43 -2.27 0.00	69.25 -3.19 0.00	79.24 -3.47 0.00	77.62 -4.17 0.00	69.13 -3.80 0.00	62.77 -3.79 0.00	55.54 -3.80 0.00	52.31 -3.10 0.00	52.77 -3.19 0.00
GLEN PARK____ 23778	47.86 0.14 0.00	45.26 0.27 0.00	43.63 0.31 0.00	43.30 0.13 0.00	43.84 0.22 0.00	46.25 0.19 0.00	55.76 0.17 0.00	56.56 0.34 0.00	50.21 0.10 0.00	42.14 -0.43 0.00	42.38 -0.64 0.00	42.11 -0.82 0.00	42.30 -0.73 0.00	43.29 -0.93 0.00	47.84 -0.78 0.00	56.53 -0.17 0.00	73.38 0.94 0.00	84.86 2.15 0.00	83.67 1.88 0.00	74.67 1.75 0.00	67.90 1.33 0.00	60.82 1.48 0.00	56.52 1.11 0.00	57.01 1.06 0.00
GLENDALE_27_KV_LOAD 356172	50.58 2.86 0.00	47.56 2.56 0.00	45.62 2.30 0.00	45.42 2.24 0.00	45.76 2.14 0.00	48.41 2.35 0.00	58.60 3.00 0.00	59.99 3.77 0.00	53.47 3.36 0.00	45.42 2.85 0.00	45.95 2.93 0.00	45.94 3.00 -0.02	45.93 2.88 -0.02	47.05 2.83 0.00	51.64 3.01 0.00	60.22 3.52 0.00	76.71 4.27 0.00	87.43 4.71 0.00	86.69 4.91 0.00	77.37 4.45 0.00	70.76 4.19 0.00	63.13 3.80 0.00	58.57 3.16 0.00	58.97 3.02 0.00
GLENWOOD_IC_1_G5 23712	51.73 2.96 -1.05	47.66 2.65 -0.02	45.81 2.47 -0.02	45.60 2.42 -0.02	46.04 2.40 -0.02	48.61 2.53 -0.02	58.78 3.17 -0.02	67.27 3.77 -7.28	53.44 3.31 -0.02	45.42 2.85 0.00	45.92 2.88 -0.02	45.86 2.92 -0.02	45.84 2.80 -0.02	47.93 2.74 -0.97	58.44 2.92 -6.90	80.05 3.46 -19.89	93.97 3.84 -17.70	102.31 4.30 -15.30	101.25 4.50 -14.96	107.49 3.94 -30.63	93.94 3.79 -23.58	85.53 3.44 -22.76	75.88 3.16 -17.32	59.05 3.08 -0.02
GLENWOOD_IC_2_G1 23688	50.68 2.91 -0.04	47.51 2.52 0.00	45.66 2.34 0.00	45.50 2.33 0.00	45.89 2.27 0.00	48.46 2.39 0.00	58.48 2.89 0.00	59.96 3.43 -0.31	53.12 3.01 0.00	45.16 2.60 0.00	45.65 2.62 0.00	45.59 2.66 0.00	45.57 2.54 0.00	46.73 2.47 -0.04	51.53 2.62 -0.29	60.65 3.12 -0.84	77.02 3.84 -0.74	87.57 4.22 -0.64	86.83 4.41 -0.63	78.14 3.94 -1.29	71.28 3.73 -0.99	63.67 3.38 -0.96	58.96 2.82 -0.73	58.75 2.80 0.00
GLENWOOD_IC_3_G1 23689	50.68 2.91 -0.04	47.51 2.52 0.00	45.66 2.34 0.00	45.50 2.33 0.00	45.89 2.27 0.00	48.46 2.39 0.00	58.48 2.89 0.00	59.96 3.43 -0.31	53.12 3.01 0.00	45.16 2.60 0.00	45.65 2.62 0.00	45.59 2.66 0.00	45.57 2.54 0.00	46.73 2.47 -0.04	51.53 2.62 -0.29	60.65 3.12 -0.84	77.02 3.84 -0.74	87.57 4.22 -0.64	86.83 4.41 -0.63	78.14 3.94 -1.29	71.28 3.73 -0.99	63.67 3.38 -0.96	58.96 2.82 -0.73	58.75 2.80 0.00
GLENWOOD____4 23550	51.73 2.96 -1.05	47.66 2.65 -0.02	45.81 2.47 -0.02	45.60 2.42 -0.02	46.04 2.40 -0.02	48.61 2.53 -0.02	58.78 3.17 -0.02	67.27 3.77 -7.28	53.44 3.31 -0.02	45.42 2.85 0.00	45.92 2.88 -0.02	45.86 2.92 -0.02	45.84 2.80 -0.02	47.93 2.74 -0.97	58.44 2.92 -6.90	80.05 3.46 -19.89	94.19 4.06 -17.70	102.48 4.47 -15.30	101.41 4.66 -14.96	107.71 4.16 -30.63	94.07 3.93 -23.58	85.71 3.62 -22.76	75.88 3.16 -17.32	59.05 3.08 -0.02
GLENWOOD____5 23614	51.73 2.96 -1.05	47.66 2.65 -0.02	45.81 2.47 -0.02	45.60 2.42 -0.02	46.04 2.40 -0.02	48.61 2.53 -0.02	58.78 3.17 -0.02	67.27 3.77 -7.28	53.44 3.31 -0.02	45.42 2.85 0.00	45.92 2.88 -0.02	45.86 2.92 -0.02	45.84 2.80 -0.02	47.93 2.74 -0.97	58.44 2.92 -6.90	80.05 3.46 -19.89	94.19 4.06 -17.70	102.48 4.47 -15.30	101.41 4.66 -14.96	107.71 4.16 -30.63	94.07 3.93 -23.58	85.71 3.62 -22.76	75.88 3.16 -17.32	59.05 3.08 -0.02
GLOBAL GREEN_PORT_GT1 23814	52.51 4.20 -0.59	48.55 3.55 -0.01	46.71 3.38 -0.01	46.50 3.32 -0.01	46.86 3.23 -0.01	49.62 3.55 -0.01	59.33 3.73 -0.01	64.77 4.44 -4.11	53.88 3.76 -0.01	45.63 3.07 0.00	46.26 3.23 -0.01	46.19 3.26 -0.01	46.18 3.14 -0.01	48.09 3.32 -0.55	56.16 3.65 -3.89	72.80 4.88 -11.22	89.66 7.24 -9.98	100.15 8.76 -8.67	99.59 9.32 -8.48	98.84 8.60 -17.32	88.09 8.19 -13.34	79.39 7.18 -12.88	71.38 6.20 -9.77	62.12 6.15 -0.01
GLOBE____DSASP 323697	45.14 -2.58 0.00	42.97 -2.02 0.00	41.59 -1.73 0.00	41.53 -1.64 0.00	42.14 -1.48 0.00	44.50 -1.57 0.00	53.26 -2.33 0.00	53.41 -2.81 0.00	47.86 -2.26 0.00	41.08 -1.49 0.00	41.69 -1.33 0.00	41.68 -1.24 0.00	42.13 -0.90 0.00	43.42 -0.80 0.00	47.75 -0.88 0.00	55.00 -1.70 0.00	68.96 -3.48 0.00	79.08 -3.64 0.00	77.13 -4.66 0.00	68.98 -3.94 0.00	62.17 -4.39 0.00	55.18 -4.15 0.00	52.47 -2.94 0.00	52.99 -2.97 0.00
GOETHSLN____LBMP 323567	50.11 2.39 0.00	47.15 2.16 0.00	45.27 1.95 0.00	45.07 1.90 0.00	45.45 1.83 0.00	48.05 1.98 0.00	58.10 2.50 0.00	59.48 3.26 0.00	53.07 2.96 0.00	45.08 2.51 0.00	45.61 2.58 0.00	45.56 2.62 -0.02	45.50 2.45 -0.02	46.65 2.43 0.00	51.10 2.48 0.00	59.65 2.95 0.00	76.06 3.62 0.00	86.69 3.97 0.00	85.96 4.17 0.00	76.64 3.72 0.00	70.09 3.53 0.00	62.54 3.20 0.00	58.01 2.60 0.00	58.42 2.46 0.00
GOLAH____69_KV_TB 1_2 80279	47.15 -0.57 0.00	44.72 -0.27 0.00	43.37 0.04 0.00	43.30 0.13 0.00	43.80 0.17 0.00	46.20 0.14 0.00	55.48 -0.11 0.00	55.72 -0.51 0.00	49.86 -0.25 0.00	42.52 -0.04 0.00	43.11 0.09 0.00	43.05 0.13 0.00	43.42 0.39 0.00	44.71 0.49 0.00	49.20 0.58 0.00	57.04 0.34 0.00	72.29 -0.14 0.00	82.88 0.17 0.00	81.13 -0.65 0.00	72.34 -0.58 0.00	65.50 -1.07 0.00	57.97 -1.36 0.00	54.80 -0.61 0.00	55.45 -0.50 0.00
GOODYEAR_LAKE_HYD 323669	48.72 1.00 0.00	45.89 0.90 0.00	44.19 0.87 0.00	43.95 0.78 0.00	44.49 0.87 0.00	47.08 1.01 0.00	56.87 1.28 0.00	57.74 1.52 0.00	51.37 1.25 0.00	43.38 0.81 0.00	43.80 0.77 0.00	43.70 0.77 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.69 1.07 0.00	58.23 1.53 0.00	74.75 2.32 0.00	85.45 2.73 0.00	84.24 2.45 0.00	75.11 2.19 0.00	68.43 1.86 0.00	60.82 1.48 0.00	56.63 1.22 0.00	57.13 1.18 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	47.72 0.00 0.00	45.04 0.04 0.00	43.41 0.09 0.00	43.34 0.17 0.00	43.88 0.26 0.00	46.34 0.28 0.00	55.93 0.33 0.00	56.56 0.34 0.00	50.46 0.35 0.00	42.91 0.34 0.00	43.37 0.34 0.00	43.27 0.34 0.00	43.46 0.43 0.00	44.66 0.44 0.00	49.16 0.53 0.00	57.32 0.62 0.00	73.09 0.65 0.00	83.54 0.83 0.00	82.28 0.49 0.00	73.36 0.44 0.00	66.77 0.20 0.00	59.28 -0.06 0.00	55.41 0.00 0.00	55.90 -0.06 0.00



GOUDEY___7 23579	47.72 0.00 0.00	45.04 0.04 0.00	43.41 0.09 0.00	43.34 0.17 0.00	43.88 0.26 0.00	46.34 0.28 0.00	55.93 0.33 0.00	56.56 0.34 0.00	50.46 0.35 0.00	42.91 0.34 0.00	43.37 0.34 0.00	43.27 0.34 0.00	43.46 0.43 0.00	44.66 0.44 0.00	49.16 0.53 0.00	57.32 0.62 0.00	73.09 0.65 0.00	83.54 0.83 0.00	82.28 0.49 0.00	73.36 0.44 0.00	66.77 0.20 0.00	59.28 -0.06 0.00	55.41 0.00 0.00	55.90 -0.06 0.00
GOUDEY___8 23580	47.72 0.00 0.00	45.04 0.04 0.00	43.41 0.09 0.00	43.34 0.17 0.00	43.88 0.26 0.00	46.34 0.28 0.00	55.93 0.33 0.00	56.56 0.34 0.00	50.46 0.35 0.00	42.91 0.34 0.00	43.37 0.34 0.00	43.27 0.34 0.00	43.46 0.43 0.00	44.66 0.44 0.00	49.16 0.53 0.00	57.32 0.62 0.00	73.09 0.65 0.00	83.54 0.83 0.00	82.28 0.49 0.00	73.36 0.44 0.00	66.77 0.20 0.00	59.28 -0.06 0.00	55.41 0.00 0.00	55.90 -0.06 0.00
GOWANUS_GT1_1 24077	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT1_2 24078	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT1_3 24079	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT1_4 24080	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT1_5 24084	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT1_6 24111	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT1_7 24112	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT1_8 24113	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT2_1 24114	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT2_2 24115	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT2_3 24116	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT2_4 24117	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT2_5 24118	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00



GOWANUS_GT2_6 24119	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT2_7 24120	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT2_8 24121	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT3_1 24122	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT3_2 24123	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT3_3 24124	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT3_4 24125	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT3_5 24126	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT3_6 24127	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT3_7 24128	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT3_8 24129	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
GOWANUS_GT4_1 24130	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT4_2 24131	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT4_3 24132	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT4_4 24133	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00



GOWANUS_GT4_5 24134	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT4_6 24135	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT4_7 24136	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GOWANUS_GT4_8 24137	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GREATVRV_69_KV_BK1 356245	52.73 4.39 -0.62	48.91 3.91 -0.01	46.97 3.64 -0.01	46.76 3.58 -0.01	47.16 3.53 -0.01	49.90 3.82 -0.01	60.39 4.78 -0.01	65.98 5.45 -4.31	54.78 4.66 -0.01	46.31 3.75 0.00	46.86 3.83 -0.01	46.80 3.86 -0.01	46.74 3.70 -0.01	48.60 3.80 -0.58	56.83 4.13 -4.08	73.51 5.05 -11.76	89.93 7.03 -10.47	98.98 7.20 -9.07	97.93 7.28 -8.87	97.33 6.27 -18.14	86.32 5.79 -13.96	78.09 5.28 -13.48	70.53 4.88 -10.24	60.72 4.76 -0.01
GREENBSH_115KV_TB3 55895	49.15 1.43 0.00	46.34 1.35 0.00	44.53 1.21 0.00	44.34 1.17 0.00	44.76 1.13 0.00	47.22 1.15 0.00	56.93 1.33 0.00	57.63 1.41 0.00	51.32 1.20 0.00	43.50 0.94 0.00	44.01 0.99 0.00	43.87 0.94 0.00	43.93 0.90 0.00	45.15 0.93 0.00	49.64 1.02 0.00	57.78 1.08 0.00	73.52 1.09 0.00	83.87 1.16 0.00	83.10 1.31 0.00	74.09 1.17 0.00	67.70 1.13 0.00	60.64 1.31 0.00	56.63 1.22 0.00	57.30 1.34 0.00
GREENDGE_115KV_TB5 80291	47.96 0.24 0.00	45.35 0.36 0.00	43.84 0.52 0.00	43.95 0.78 0.00	44.62 1.00 0.00	47.13 1.06 0.00	57.21 1.61 0.00	57.97 1.74 0.00	51.72 1.60 0.00	43.84 1.28 0.00	44.23 1.20 0.00	44.04 1.12 0.00	44.36 1.33 0.00	45.72 1.50 0.00	50.42 1.80 0.00	58.97 2.27 0.00	75.41 2.97 0.00	86.60 3.89 0.00	85.06 3.27 0.00	75.84 2.92 0.00	68.50 1.93 0.00	60.34 1.01 0.00	56.41 1.00 0.00	56.62 0.67 0.00
GREENIDGE___3 23582	47.96 0.24 0.00	45.35 0.36 0.00	43.84 0.52 0.00	43.95 0.78 0.00	44.62 1.00 0.00	47.13 1.06 0.00	57.21 1.61 0.00	57.97 1.74 0.00	51.72 1.60 0.00	43.84 1.28 0.00	44.23 1.20 0.00	44.04 1.12 0.00	44.36 1.33 0.00	45.72 1.50 0.00	50.42 1.80 0.00	58.97 2.27 0.00	75.41 2.97 0.00	86.60 3.89 0.00	85.06 3.27 0.00	75.84 2.92 0.00	68.50 1.93 0.00	60.34 1.01 0.00	56.41 1.00 0.00	56.62 0.67 0.00
GREENIDGE___4 23583	47.96 0.24 0.00	45.44 0.45 0.00	43.88 0.56 0.00	43.95 0.78 0.00	44.67 1.05 0.00	47.17 1.10 0.00	57.21 1.61 0.00	57.97 1.74 0.00	51.72 1.60 0.00	43.84 1.28 0.00	44.23 1.20 0.00	44.04 1.11 0.00	44.37 1.34 0.00	45.72 1.50 0.00	50.42 1.80 0.00	59.03 2.33 0.00	75.41 2.97 0.00	86.60 3.89 0.00	85.06 3.27 0.00	75.84 2.92 0.00	68.50 1.93 0.00	60.34 1.01 0.00	56.41 1.00 0.00	56.63 0.67 0.00
GREENLWN_69_KV_BK 3 55738	51.34 3.01 -0.61	47.66 2.65 -0.01	45.76 2.43 -0.01	45.60 2.42 -0.01	46.03 2.40 -0.01	48.65 2.58 -0.01	58.83 3.22 -0.01	64.35 3.88 -4.24	53.48 3.36 -0.01	45.38 2.81 0.00	45.83 2.80 -0.01	45.72 2.79 -0.01	45.71 2.67 -0.01	47.48 2.70 -0.57	55.51 2.87 -4.02	71.86 3.57 -11.59	87.60 4.85 -10.31	96.83 5.21 -8.91	95.98 5.48 -8.71	95.65 4.89 -17.84	85.09 4.79 -13.73	76.86 4.27 -13.25	68.77 3.27 -10.09	59.15 3.19 -0.01
GREENWD_138_KV_38B11_REV_LBMP_J 345004	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00
GRISSOM___SOLAR 323813	49.39 1.67 0.00	46.52 1.53 0.00	44.71 1.39 0.00	44.59 1.42 0.00	45.02 1.40 0.00	47.54 1.47 0.00	57.59 2.00 0.00	58.24 2.02 0.00	50.91 0.80 0.00	42.36 -0.21 0.00	42.46 -0.56 0.00	42.24 -0.69 0.00	42.39 -0.64 0.00	43.86 -0.36 0.00	48.77 0.15 0.00	57.78 1.07 0.00	74.82 2.39 0.00	85.69 2.97 0.00	84.73 2.94 0.00	75.54 2.62 0.00	68.83 2.26 0.00	61.35 2.02 0.00	57.18 1.77 0.00	57.74 1.79 0.00
GROVEVILLE___HYD 323602	50.35 2.62 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.29 2.12 0.00	45.71 2.09 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.54 3.32 0.00	52.92 2.81 0.00	44.78 2.21 0.00	45.22 2.19 0.00	45.11 2.19 0.00	45.14 2.11 0.00	46.39 2.17 0.00	51.00 2.38 0.00	59.59 2.89 0.00	76.20 3.77 0.00	87.02 4.30 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.16 3.59 0.00	62.66 3.32 0.00	58.23 2.83 0.00	58.75 2.80 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	47.48 -0.24 0.00	44.81 -0.18 0.00	43.15 -0.17 0.00	43.08 -0.09 0.00	43.53 -0.09 0.00	45.93 -0.14 0.00	55.43 -0.17 0.00	55.89 -0.34 0.00	49.91 -0.20 0.00	42.48 -0.09 0.00	42.89 -0.13 0.00	42.75 -0.17 0.00	42.90 -0.13 0.00	44.09 -0.13 0.00	48.43 -0.19 0.00	56.53 -0.17 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.30 -0.49 0.00	72.48 -0.44 0.00	66.03 -0.53 0.00	58.74 -0.59 0.00	54.91 -0.50 0.00	55.34 -0.62 0.00
HAMLTNNY_34_KV_TB 80303	47.53 -0.19 0.00	44.81 -0.18 0.00	43.19 -0.13 0.00	43.17 0.00 0.00	43.62 0.00 0.00	46.02 -0.05 0.00	55.54 -0.06 0.00	56.00 -0.22 0.00	49.96 -0.15 0.00	42.57 0.00 0.00	42.98 -0.04 0.00	42.84 -0.09 0.00	43.03 0.00 0.00	44.17 -0.04 0.00	48.57 -0.05 0.00	56.70 0.00 0.00	72.36 -0.07 0.00	82.72 0.00 0.00	81.54 -0.25 0.00	72.63 -0.29 0.00	66.17 -0.40 0.00	58.80 -0.53 0.00	54.96 -0.44 0.00	55.39 -0.56 0.00



HAMPSHIRE___PAPER_HYD 323593	47.20 -0.52 0.00	44.72 -0.27 0.00	43.06 -0.26 0.00	42.82 -0.35 0.00	43.32 -0.30 0.00	45.47 -0.60 0.00	54.93 -0.66 0.00	55.72 -0.51 0.00	49.56 -0.55 0.00	41.80 -0.76 0.00	42.42 -0.60 0.00	42.24 -0.69 0.00	42.39 -0.64 0.00	43.47 -0.75 0.00	47.79 -0.83 0.00	55.85 -0.85 0.00	71.71 -0.72 0.00	82.30 -0.41 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.24 -0.33 0.00	59.81 0.47 0.00	55.85 0.44 0.00	56.63 0.67 0.00
HARDSCRABBLE_WT_PWR 323673	49.63 1.91 0.00	46.88 1.89 0.00	45.18 1.86 0.00	45.07 1.90 0.00	45.63 2.01 0.00	48.28 2.21 0.00	58.32 2.72 0.00	59.03 2.81 0.00	52.67 2.55 0.00	44.69 2.13 0.00	45.13 2.11 0.00	44.98 2.06 0.00	45.18 2.15 0.00	46.47 2.25 0.00	51.29 2.67 0.00	60.10 3.40 0.00	77.00 4.57 0.00	88.17 5.46 0.00	87.18 5.40 0.00	77.73 4.81 0.00	70.89 4.32 0.00	63.14 3.80 0.00	59.01 3.60 0.00	59.48 3.53 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	49.92 2.20 0.00	46.93 1.93 0.00	45.10 1.78 0.00	44.90 1.73 0.00	45.32 1.70 0.00	47.86 1.80 0.00	57.87 2.28 0.00	59.03 2.81 0.00	52.57 2.46 0.00	44.53 1.96 0.00	44.96 1.94 0.00	44.90 1.97 0.00	44.88 1.85 0.00	46.12 1.90 0.00	50.66 2.04 0.00	59.20 2.49 0.00	75.70 3.26 0.00	86.35 3.64 0.00	85.63 3.84 0.00	76.35 3.43 0.00	69.63 3.06 0.00	62.18 2.85 0.00	57.74 2.33 0.00	58.25 2.29 0.00
HARSNRAD_115KV_TB1 81005	46.29 -1.43 0.00	44.14 -0.85 0.00	42.76 -0.56 0.00	42.70 -0.47 0.00	43.36 -0.26 0.00	45.70 -0.37 0.00	54.43 -1.17 0.00	54.59 -1.63 0.00	48.91 -1.20 0.00	41.93 -0.64 0.00	42.55 -0.47 0.00	42.54 -0.39 0.00	43.03 0.00 0.00	44.31 0.09 0.00	48.72 0.10 0.00	56.25 -0.45 0.00	70.70 -1.74 0.00	81.14 -1.57 0.00	79.09 -2.70 0.00	70.73 -2.19 0.00	63.70 -2.86 0.00	56.43 -2.91 0.00	53.58 -1.83 0.00	54.39 -1.57 0.00
HARZA MOOSE___RIVER 24016	48.01 0.29 0.00	45.35 0.36 0.00	43.63 0.30 0.00	43.39 0.22 0.00	43.97 0.35 0.00	46.39 0.32 0.00	55.98 0.39 0.00	56.84 0.62 0.00	50.66 0.55 0.00	42.78 0.21 0.00	43.15 0.13 0.00	42.97 0.04 0.00	43.03 0.00 0.00	44.04 -0.18 0.00	48.57 -0.05 0.00	57.15 0.45 0.00	73.59 1.16 0.00	84.45 1.74 0.00	83.34 1.55 0.00	74.31 1.39 0.00	67.76 1.20 0.00	60.76 1.42 0.00	56.57 1.16 0.00	57.13 1.18 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	47.20 -0.52 0.00	44.50 -0.49 0.00	42.89 -0.43 0.00	42.83 -0.35 0.00	43.27 -0.35 0.00	45.65 -0.41 0.00	55.04 -0.56 0.00	55.49 -0.73 0.00	49.51 -0.60 0.00	42.18 -0.38 0.00	42.59 -0.43 0.00	42.45 -0.47 0.00	42.60 -0.43 0.00	43.78 -0.44 0.00	48.09 -0.53 0.00	56.13 -0.57 0.00	71.64 -0.80 0.00	81.81 -0.91 0.00	80.64 -1.15 0.00	71.90 -1.02 0.00	65.57 -1.00 0.00	58.27 -1.07 0.00	54.47 -0.94 0.00	54.95 -1.01 0.00
HELLGATE_13_KV_LD 55870	50.63 2.91 0.00	47.56 2.56 0.00	45.62 2.30 0.00	45.46 2.29 0.00	45.80 2.18 0.00	48.46 2.40 0.00	58.65 3.06 0.00	59.99 3.77 0.00	53.52 3.41 0.00	45.46 2.89 0.00	45.99 2.97 0.00	45.99 3.05 -0.02	45.93 2.88 -0.02	47.09 2.87 0.00	51.64 3.01 0.00	60.27 3.57 0.00	76.71 4.27 0.00	87.43 4.71 0.00	86.69 4.91 0.00	77.30 4.38 0.00	70.69 4.13 0.00	63.19 3.86 0.00	58.57 3.16 0.00	58.97 3.02 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	50.63 2.91 0.00	47.56 2.56 0.00	45.62 2.30 0.00	45.46 2.29 0.00	45.80 2.18 0.00	48.46 2.40 0.00	58.65 3.06 0.00	59.99 3.77 0.00	53.52 3.41 0.00	45.46 2.89 0.00	45.99 2.97 0.00	45.99 3.05 -0.02	45.93 2.88 -0.02	47.09 2.87 0.00	51.64 3.01 0.00	60.27 3.57 0.00	76.71 4.27 0.00	87.43 4.71 0.00	86.69 4.91 0.00	77.30 4.38 0.00	70.69 4.13 0.00	63.19 3.86 0.00	58.57 3.16 0.00	58.97 3.02 0.00
HEMPSTEAD____ 23647	51.69 3.06 -0.91	47.70 2.70 -0.01	45.85 2.51 -0.01	45.69 2.50 -0.01	46.12 2.49 -0.01	48.66 2.58 -0.01	58.78 3.17 -0.01	66.26 3.71 -6.32	53.38 3.26 -0.01	45.33 2.77 0.00	45.83 2.79 -0.01	45.77 2.83 -0.01	45.71 2.67 -0.01	47.72 2.65 -0.84	57.43 2.82 -5.99	77.32 3.34 -17.27	91.93 4.13 -15.37	100.54 4.55 -13.28	99.52 4.74 -12.99	103.75 4.23 -26.60	91.10 4.06 -20.47	82.66 3.56 -19.76	73.49 3.05 -15.04	58.93 2.96 -0.01
HICKLING___1 23621	47.24 -0.48 0.00	44.72 -0.27 0.00	43.19 -0.13 0.00	43.26 0.09 0.00	43.88 0.26 0.00	46.34 0.28 0.00	56.09 0.50 0.00	56.67 0.45 0.00	50.66 0.55 0.00	43.12 0.55 0.00	43.63 0.60 0.00	43.53 0.60 0.00	43.80 0.77 0.00	45.10 0.88 0.00	49.69 1.07 0.00	57.89 1.19 0.00	73.67 1.23 0.00	84.37 1.65 0.00	82.77 0.98 0.00	73.87 0.95 0.00	66.83 0.27 0.00	59.04 -0.30 0.00	55.35 -0.06 0.00	55.67 -0.28 0.00
HICKLING___2 23622	47.24 -0.48 0.00	44.72 -0.27 0.00	43.19 -0.13 0.00	43.26 0.09 0.00	43.88 0.26 0.00	46.34 0.28 0.00	56.09 0.50 0.00	56.67 0.45 0.00	50.66 0.55 0.00	43.12 0.55 0.00	43.63 0.60 0.00	43.53 0.60 0.00	43.80 0.77 0.00	45.10 0.88 0.00	49.69 1.07 0.00	57.89 1.19 0.00	73.67 1.23 0.00	84.37 1.65 0.00	82.77 0.98 0.00	73.87 0.95 0.00	66.83 0.27 0.00	59.04 -0.30 0.00	55.35 -0.06 0.00	55.67 -0.28 0.00
HIGH FALLS___HY 23754	50.35 2.62 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.71 2.09 0.00	48.23 2.17 0.00	58.43 2.84 0.00	59.71 3.49 0.00	53.02 2.91 0.00	44.78 2.21 0.00	45.13 2.11 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.30 2.08 0.00	50.91 2.29 0.00	59.59 2.89 0.00	76.49 4.06 0.00	87.43 4.71 0.00	86.78 4.99 0.00	77.37 4.45 0.00	70.49 3.93 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.81 2.85 0.00
HIGH_RIVER___SOLAR 323847	49.25 1.53 0.00	46.39 1.40 0.00	44.58 1.26 0.00	44.42 1.25 0.00	44.84 1.22 0.00	47.40 1.34 0.00	57.32 1.73 0.00	57.91 1.69 0.00	50.47 0.35 0.00	42.23 -0.34 0.00	42.51 -0.51 0.00	42.32 -0.60 0.00	42.43 -0.60 0.00	43.73 -0.49 0.00	48.43 -0.19 0.00	57.38 0.68 0.00	74.46 2.03 0.00	85.28 2.57 0.00	84.40 2.62 0.00	75.25 2.33 0.00	68.56 2.00 0.00	61.11 1.78 0.00	57.02 1.61 0.00	57.58 1.62 0.00
HILLBURN___GT 23639	50.06 2.34 0.00	46.97 1.98 0.00	45.14 1.82 0.00	44.94 1.77 0.00	45.37 1.75 0.00	47.91 1.84 0.00	57.82 2.23 0.00	58.98 2.75 0.00	52.52 2.41 0.00	44.53 1.96 0.00	45.05 2.02 0.00	44.98 2.06 0.00	44.97 1.94 0.00	46.16 1.94 0.00	50.66 2.04 0.00	59.14 2.44 0.00	75.48 3.04 0.00	86.11 3.39 0.00	85.38 3.59 0.00	76.05 3.13 0.00	69.49 2.93 0.00	62.07 2.73 0.00	57.63 2.22 0.00	58.13 2.18 0.00
HILLSIDE_115KV_TB1 80332	46.77 -0.95 0.00	44.23 -0.76 0.00	42.72 -0.61 0.00	42.74 -0.43 0.00	43.32 -0.31 0.00	45.74 -0.32 0.00	55.26 -0.33 0.00	55.83 -0.39 0.00	49.91 -0.20 0.00	42.48 -0.09 0.00	42.94 -0.09 0.00	42.84 -0.09 0.00	43.12 0.09 0.00	44.35 0.13 0.00	48.82 0.19 0.00	56.93 0.23 0.00	72.44 0.00 0.00	82.88 0.17 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	65.83 -0.73 0.00	58.21 -1.13 0.00	54.58 -0.83 0.00	54.95 -1.01 0.00



HISHELDN_WT_PWR 323625	45.72 -2.00 0.00	43.60 -1.40 0.00	42.33 -0.99 0.00	42.26 -0.91 0.00	43.18 -0.44 0.00	45.70 -0.37 0.00	54.82 -0.78 0.00	55.21 -1.01 0.00	49.46 -0.65 0.00	42.36 -0.21 0.00	42.90 -0.13 0.00	42.92 0.00 0.00	43.37 0.34 0.00	44.75 0.53 0.00	49.21 0.59 0.00	56.99 0.28 0.00	72.00 -0.43 0.00	82.63 -0.08 0.00	80.64 -1.15 0.00	71.97 -0.95 0.00	64.70 -1.86 0.00	57.08 -2.25 0.00	53.91 -1.49 0.00	54.11 -1.85 0.00
HOLTSVILLE_IC_1 23690	51.93 3.63 -0.59	48.10 3.10 -0.01	46.23 2.90 -0.01	46.07 2.89 -0.01	46.46 2.83 -0.01	49.11 3.04 -0.01	59.27 3.67 -0.01	64.59 4.27 -4.10	53.78 3.66 -0.01	45.59 3.02 0.00	46.09 3.06 -0.01	45.98 3.05 -0.01	45.97 2.93 -0.01	47.73 2.96 -0.55	55.66 3.16 -3.88	71.92 4.03 -11.19	87.89 5.50 -9.96	97.57 6.21 -8.64	96.70 6.46 -8.46	95.88 5.69 -17.27	85.39 5.52 -13.30	76.92 4.75 -12.84	69.03 3.88 -9.74	59.77 3.81 -0.01
HOLTSVILLE_IC_10 23699	52.23 3.91 -0.60	48.38 3.38 -0.01	46.49 3.16 -0.01	46.29 3.11 -0.01	46.68 3.05 -0.01	49.39 3.32 -0.01	59.61 4.01 -0.01	64.98 4.61 -4.15	54.08 3.96 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.22 3.18 -0.01	48.00 3.23 -0.55	56.00 3.45 -3.93	72.39 4.37 -11.33	88.60 6.09 -10.08	98.33 6.86 -8.75	97.46 7.11 -8.56	96.67 6.27 -17.48	86.03 5.99 -13.47	77.56 5.22 -13.00	69.54 4.27 -9.86	60.10 4.14 -0.01
HOLTSVILLE_IC_2 23691	51.93 3.63 -0.59	48.10 3.10 -0.01	46.23 2.90 -0.01	46.07 2.89 -0.01	46.46 2.83 -0.01	49.11 3.04 -0.01	59.27 3.67 -0.01	64.59 4.27 -4.10	53.78 3.66 -0.01	45.59 3.02 0.00	46.09 3.06 -0.01	45.98 3.05 -0.01	45.97 2.93 -0.01	47.73 2.96 -0.55	55.66 3.16 -3.88	71.92 4.03 -11.19	87.89 5.50 -9.96	97.57 6.21 -8.64	96.70 6.46 -8.46	95.88 5.69 -17.27	85.39 5.52 -13.30	76.92 4.75 -12.84	69.03 3.88 -9.74	59.77 3.81 -0.01
HOLTSVILLE_IC_3 23692	51.93 3.63 -0.59	48.10 3.10 -0.01	46.23 2.90 -0.01	46.07 2.89 -0.01	46.46 2.83 -0.01	49.11 3.04 -0.01	59.27 3.67 -0.01	64.59 4.27 -4.10	53.78 3.66 -0.01	45.59 3.02 0.00	46.09 3.06 -0.01	45.98 3.05 -0.01	45.97 2.93 -0.01	47.73 2.96 -0.55	55.66 3.16 -3.88	71.92 4.03 -11.19	87.89 5.50 -9.96	97.57 6.21 -8.64	96.70 6.46 -8.46	95.88 5.69 -17.27	85.39 5.52 -13.30	76.92 4.75 -12.84	69.03 3.88 -9.74	59.77 3.81 -0.01
HOLTSVILLE_IC_4 23693	51.93 3.63 -0.59	48.10 3.10 -0.01	46.23 2.90 -0.01	46.07 2.89 -0.01	46.46 2.83 -0.01	49.11 3.04 -0.01	59.27 3.67 -0.01	64.59 4.27 -4.10	53.78 3.66 -0.01	45.59 3.02 0.00	46.09 3.06 -0.01	45.98 3.05 -0.01	45.97 2.93 -0.01	47.73 2.96 -0.55	55.66 3.16 -3.88	71.92 4.03 -11.19	87.89 5.50 -9.96	97.57 6.21 -8.64	96.70 6.46 -8.46	95.88 5.69 -17.27	85.39 5.52 -13.30	76.92 4.75 -12.84	69.03 3.88 -9.74	59.77 3.81 -0.01
HOLTSVILLE_IC_5 23694	51.93 3.63 -0.59	48.10 3.10 -0.01	46.23 2.90 -0.01	46.07 2.89 -0.01	46.46 2.83 -0.01	49.11 3.04 -0.01	59.27 3.67 -0.01	64.59 4.27 -4.10	53.78 3.66 -0.01	45.59 3.02 0.00	46.09 3.06 -0.01	45.98 3.05 -0.01	45.97 2.93 -0.01	47.73 2.96 -0.55	55.66 3.16 -3.88	71.92 4.03 -11.19	87.89 5.50 -9.96	97.57 6.21 -8.64	96.70 6.46 -8.46	95.88 5.69 -17.27	85.39 5.52 -13.30	76.92 4.75 -12.84	69.03 3.88 -9.74	59.77 3.81 -0.01
HOLTSVILLE_IC_6 23695	52.23 3.91 -0.60	48.38 3.38 -0.01	46.49 3.16 -0.01	46.29 3.11 -0.01	46.68 3.05 -0.01	49.39 3.32 -0.01	59.61 4.01 -0.01	64.98 4.61 -4.15	54.08 3.96 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.22 3.18 -0.01	48.00 3.23 -0.55	56.00 3.45 -3.93	72.39 4.37 -11.33	88.60 6.09 -10.08	98.33 6.86 -8.75	97.46 7.11 -8.56	96.67 6.27 -17.48	86.03 5.99 -13.47	77.56 5.22 -13.00	69.54 4.27 -9.86	60.10 4.14 -0.01
HOLTSVILLE_IC_7 23696	52.23 3.91 -0.60	48.38 3.38 -0.01	46.49 3.16 -0.01	46.29 3.11 -0.01	46.68 3.05 -0.01	49.39 3.32 -0.01	59.61 4.01 -0.01	64.98 4.61 -4.15	54.08 3.96 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.22 3.18 -0.01	48.00 3.23 -0.55	56.00 3.45 -3.93	72.39 4.37 -11.33	88.60 6.09 -10.08	98.33 6.86 -8.75	97.46 7.11 -8.56	96.67 6.27 -17.48	86.03 5.99 -13.47	77.56 5.22 -13.00	69.54 4.27 -9.86	60.10 4.14 -0.01
HOLTSVILLE_IC_8 23697	52.23 3.91 -0.60	48.38 3.38 -0.01	46.49 3.16 -0.01	46.29 3.11 -0.01	46.68 3.05 -0.01	49.39 3.32 -0.01	59.61 4.01 -0.01	64.98 4.61 -4.15	54.08 3.96 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.22 3.18 -0.01	48.00 3.23 -0.55	56.00 3.45 -3.93	72.39 4.37 -11.33	88.60 6.09 -10.08	98.33 6.86 -8.75	97.46 7.11 -8.56	96.67 6.27 -17.48	86.03 5.99 -13.47	77.56 5.22 -13.00	69.54 4.27 -9.86	60.10 4.14 -0.01
HOLTSVILLE_IC_9 23698	52.23 3.91 -0.60	48.38 3.38 -0.01	46.49 3.16 -0.01	46.29 3.11 -0.01	46.68 3.05 -0.01	49.39 3.32 -0.01	59.61 4.01 -0.01	64.98 4.61 -4.15	54.08 3.96 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.22 3.18 -0.01	48.00 3.23 -0.55	56.00 3.45 -3.93	72.39 4.37 -11.33	88.60 6.09 -10.08	98.33 6.86 -8.75	97.46 7.11 -8.56	96.67 6.27 -17.48	86.03 5.99 -13.47	77.56 5.22 -13.00	69.54 4.27 -9.86	60.10 4.14 -0.01
HOMER_HL_115KV_TB2 355744	46.15 -1.57 0.00	43.87 -1.12 0.00	42.50 -0.82 0.00	42.44 -0.73 0.00	43.18 -0.44 0.00	45.74 -0.32 0.00	55.09 -0.50 0.00	55.55 -0.67 0.00	49.71 -0.40 0.00	42.61 0.04 0.00	43.07 0.04 0.00	43.05 0.13 0.00	43.46 0.43 0.00	44.75 0.53 0.00	49.20 0.58 0.00	57.04 0.34 0.00	72.22 -0.22 0.00	82.88 0.17 0.00	80.89 -0.90 0.00	72.19 -0.73 0.00	64.97 -1.60 0.00	57.32 -2.02 0.00	54.02 -1.39 0.00	54.44 -1.51 0.00
HOWARD_WT_PWR 323690	45.57 -2.15 0.00	43.46 -1.53 0.00	42.20 -1.13 0.00	42.35 -0.82 0.00	43.32 -0.30 0.00	45.88 -0.18 0.00	55.65 0.06 0.00	56.45 0.23 0.00	50.51 0.40 0.00	43.04 0.47 0.00	43.54 0.52 0.00	43.52 0.60 0.00	43.98 0.95 0.00	45.46 1.24 0.00	50.18 1.56 0.00	58.52 1.81 0.00	74.46 2.03 0.00	85.44 2.73 0.00	83.58 1.80 0.00	74.30 1.38 0.00	66.70 0.13 0.00	58.33 -1.01 0.00	54.47 -0.94 0.00	54.33 -1.62 0.00
HQ_GEN_CEDARS 23644	47.67 -0.05 0.00	45.08 0.09 0.00	43.45 0.13 0.00	43.26 0.09 0.00	43.75 0.13 0.00	46.16 0.09 0.00	55.93 0.33 0.00	56.50 0.28 0.00	50.36 0.25 0.00	42.65 0.09 0.00	43.20 0.17 0.00	43.10 0.17 0.00	43.24 0.22 0.00	44.53 0.31 0.00	49.01 0.39 0.00	56.98 0.28 0.00	73.16 0.72 0.00	83.54 0.83 0.00	82.69 0.90 0.00	73.80 0.88 0.00	67.43 0.87 0.00	60.17 0.83 0.00	56.29 0.89 0.00	56.96 1.01 0.00
HQ_GEN_CEDARS_PROXY 323590	47.72 0.00 0.00	45.13 0.14 0.00	43.45 0.13 0.00	43.30 0.13 0.00	43.75 0.13 0.00	46.16 0.09 0.00	55.93 0.34 0.00	56.51 0.28 0.00	50.37 0.25 0.00	42.65 0.09 0.00	43.20 0.17 0.00	43.10 0.17 0.00	43.25 0.22 0.00	44.53 0.31 0.00	49.01 0.39 0.00	56.99 0.28 0.00	95.00 0.72 -21.84	95.00 0.83 -11.46	95.00 0.90 -12.31	95.00 0.88 -21.20	95.00 0.86 -27.57	60.17 0.83 0.00	56.29 0.88 0.00	56.96 1.01 0.00



HQ_GEN_IMPORT 323601	47.34 -0.38 0.00	44.68 -0.31 0.00	43.02 -0.30 0.00	42.87 -0.30 0.00	43.32 -0.30 0.00	45.75 -0.32 0.00	55.32 -0.28 0.00	55.94 -0.28 0.00	49.86 -0.25 0.00	42.31 -0.25 0.00	42.81 -0.21 0.00	42.71 -0.21 0.00	42.86 -0.17 0.00	44.04 -0.18 0.00	48.48 -0.15 0.00	56.53 -0.17 0.00	72.36 -0.07 0.00	82.63 -0.08 0.00	81.71 -0.08 0.00	72.92 0.00 0.00	66.57 0.00 0.00	59.34 0.00 0.00	55.46 0.06 0.00	56.01 0.06 0.00
HQ_GEN_WHEEL 23651	47.34 -0.38 0.00	44.68 -0.31 0.00	43.02 -0.30 0.00	42.87 -0.30 0.00	43.32 -0.30 0.00	45.75 -0.32 0.00	55.32 -0.28 0.00	55.94 -0.28 0.00	49.86 -0.25 0.00	42.31 -0.25 0.00	42.81 -0.21 0.00	42.71 -0.21 0.00	42.86 -0.17 0.00	44.04 -0.18 0.00	48.48 -0.15 0.00	56.53 -0.17 0.00	72.36 -0.07 0.00	82.63 -0.08 0.00	81.71 -0.08 0.00	72.92 0.00 0.00	66.57 0.00 0.00	59.34 0.00 0.00	55.46 0.06 0.00	56.01 0.06 0.00
HUDSON AVE_GT_3 23810	50.49 2.77 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.83 2.61 0.00	51.34 2.72 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.37 4.58 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.84 3.50 0.00	58.29 2.88 0.00	58.69 2.74 0.00
HUDSON AVE_GT_4 23540	50.49 2.77 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.83 2.61 0.00	51.34 2.72 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.37 4.58 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.84 3.50 0.00	58.29 2.88 0.00	58.69 2.74 0.00
HUDSON AVE_GT_5 23657	50.49 2.77 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.25 2.68 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.71 2.67 -0.02	46.83 2.61 0.00	51.34 2.72 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.37 4.58 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.84 3.50 0.00	58.29 2.88 0.00	58.69 2.74 0.00
HUDSON_AVE_10 24168	50.16 2.43 0.00	47.15 2.16 0.00	45.27 1.95 0.00	45.07 1.90 0.00	45.45 1.83 0.00	48.05 1.98 0.00	58.15 2.56 0.00	59.54 3.32 0.00	53.07 2.96 0.00	45.12 2.55 0.00	45.65 2.62 0.00	45.60 2.66 -0.02	45.58 2.54 -0.02	46.70 2.48 0.00	51.20 2.58 0.00	59.76 3.06 0.00	76.06 3.62 0.00	86.77 4.05 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.16 3.59 0.00	62.60 3.26 0.00	58.07 2.66 0.00	58.47 2.52 0.00
HUDSON___115KV_TB 4 355613	49.96 2.24 0.00	47.06 2.07 0.00	45.27 1.95 0.00	45.11 1.94 0.00	45.54 1.92 0.00	48.00 1.93 0.00	57.99 2.39 0.00	58.75 2.53 0.00	51.97 1.85 0.00	43.80 1.23 0.00	44.19 1.16 0.00	43.95 1.03 0.00	44.02 0.99 0.00	45.28 1.06 0.00	49.93 1.31 0.00	58.40 1.70 0.00	74.97 2.54 0.00	85.78 3.06 0.00	85.06 3.27 0.00	75.84 2.92 0.00	69.10 2.53 0.00	61.89 2.55 0.00	57.68 2.27 0.00	58.36 2.41 0.00
HUNTER MOUNT___DRP 323613	50.11 2.39 0.00	47.20 2.20 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.67 2.05 0.00	48.14 2.07 0.00	58.21 2.61 0.00	58.98 2.75 0.00	52.07 1.95 0.00	43.80 1.23 0.00	44.06 1.03 0.00	43.83 0.90 0.00	43.89 0.86 0.00	45.24 1.02 0.00	49.88 1.26 0.00	58.46 1.76 0.00	75.26 2.82 0.00	86.19 3.47 0.00	85.47 3.68 0.00	76.20 3.28 0.00	69.36 2.80 0.00	62.12 2.79 0.00	57.85 2.44 0.00	58.53 2.57 0.00
HUNTINGTON_RES_REC 323705	51.85 3.53 -0.60	48.02 3.01 -0.01	46.15 2.81 -0.01	45.94 2.77 -0.01	46.38 2.75 -0.01	49.03 2.95 -0.01	59.16 3.56 -0.01	64.56 4.16 -4.17	53.73 3.61 -0.01	45.50 2.93 0.00	46.00 2.97 -0.01	45.94 3.00 -0.01	45.88 2.84 -0.01	47.69 2.92 -0.56	55.73 3.16 -3.95	72.07 3.97 -11.40	88.08 5.50 -10.14	97.50 6.04 -8.75	96.64 6.30 -8.56	96.00 5.54 -17.54	85.45 5.39 -13.50	76.99 4.63 -13.03	69.04 3.71 -9.92	59.55 3.58 -0.01
HUNTLEY___63 23557	46.29 -1.43 0.00	44.05 -0.94 0.00	42.67 -0.65 0.00	42.61 -0.56 0.00	43.27 -0.35 0.00	45.70 -0.37 0.00	54.65 -0.95 0.00	54.93 -1.29 0.00	49.21 -0.90 0.00	42.23 -0.34 0.00	42.81 -0.22 0.00	42.84 -0.09 0.00	43.33 0.30 0.00	44.66 0.44 0.00	49.11 0.49 0.00	56.64 -0.06 0.00	71.20 -1.23 0.00	81.72 -0.99 0.00	79.58 -2.21 0.00	71.10 -1.82 0.00	64.10 -2.46 0.00	56.73 -2.61 0.00	53.91 -1.50 0.00	54.44 -1.51 0.00
HUNTLEY___64 23558	46.29 -1.43 0.00	44.05 -0.94 0.00	42.67 -0.65 0.00	42.61 -0.56 0.00	43.27 -0.35 0.00	45.70 -0.37 0.00	54.65 -0.95 0.00	54.93 -1.29 0.00	49.21 -0.90 0.00	42.23 -0.34 0.00	42.81 -0.22 0.00	42.84 -0.09 0.00	43.33 0.30 0.00	44.66 0.44 0.00	49.11 0.49 0.00	56.64 -0.06 0.00	71.20 -1.23 0.00	81.72 -0.99 0.00	79.58 -2.21 0.00	71.10 -1.82 0.00	64.10 -2.46 0.00	56.73 -2.61 0.00	53.91 -1.50 0.00	54.44 -1.51 0.00
HUNTLEY___65 23559	46.29 -1.43 0.00	44.05 -0.94 0.00	42.67 -0.65 0.00	42.61 -0.56 0.00	43.27 -0.35 0.00	45.70 -0.37 0.00	54.65 -0.95 0.00	54.93 -1.29 0.00	49.21 -0.90 0.00	42.23 -0.34 0.00	42.81 -0.22 0.00	42.84 -0.09 0.00	43.33 0.30 0.00	44.66 0.44 0.00	49.11 0.49 0.00	56.64 -0.06 0.00	71.20 -1.23 0.00	81.72 -0.99 0.00	79.58 -2.21 0.00	71.10 -1.82 0.00	64.10 -2.46 0.00	56.73 -2.61 0.00	53.91 -1.50 0.00	54.44 -1.51 0.00
HUNTLEY___66 23560	46.29 -1.43 0.00	44.05 -0.94 0.00	42.67 -0.65 0.00	42.61 -0.56 0.00	43.27 -0.35 0.00	45.70 -0.37 0.00	54.65 -0.95 0.00	54.93 -1.29 0.00	49.21 -0.90 0.00	42.23 -0.34 0.00	42.81 -0.22 0.00	42.84 -0.09 0.00	43.33 0.30 0.00	44.66 0.44 0.00	49.11 0.49 0.00	56.64 -0.06 0.00	71.20 -1.23 0.00	81.72 -0.99 0.00	79.58 -2.21 0.00	71.10 -1.82 0.00	64.10 -2.46 0.00	56.73 -2.61 0.00	53.91 -1.50 0.00	54.44 -1.51 0.00
HUNTLEY___67 23561	46.10 -1.62 0.00	43.87 -1.12 0.00	42.50 -0.82 0.00	42.44 -0.73 0.00	43.10 -0.52 0.00	45.51 -0.55 0.00	54.54 -1.06 0.00	54.76 -1.46 0.00	49.06 -1.05 0.00	42.10 -0.47 0.00	42.72 -0.30 0.00	42.71 -0.21 0.00	43.16 0.13 0.00	44.48 0.27 0.00	48.91 0.29 0.00	56.47 -0.23 0.00	70.99 -1.45 0.00	81.47 -1.24 0.00	79.42 -2.37 0.00	70.95 -1.97 0.00	63.90 -2.66 0.00	56.61 -2.73 0.00	53.69 -1.72 0.00	54.22 -1.73 0.00
HUNTLEY___68 23562	46.10 -1.62 0.00	43.87 -1.12 0.00	42.50 -0.82 0.00	42.44 -0.73 0.00	43.10 -0.52 0.00	45.51 -0.55 0.00	54.54 -1.06 0.00	54.76 -1.46 0.00	49.06 -1.05 0.00	42.10 -0.47 0.00	42.72 -0.30 0.00	42.71 -0.21 0.00	43.16 0.13 0.00	44.48 0.27 0.00	48.91 0.29 0.00	56.47 -0.23 0.00	70.99 -1.45 0.00	81.47 -1.24 0.00	79.42 -2.37 0.00	70.95 -1.97 0.00	63.90 -2.66 0.00	56.61 -2.73 0.00	53.69 -1.72 0.00	54.22 -1.73 0.00



HYLAND___LFGE 323620	48.44 0.72 0.00	46.07 1.08 0.00	44.67 1.34 0.00	44.68 1.51 0.00	45.32 1.70 0.00	47.95 1.89 0.00	58.10 2.50 0.00	58.76 2.53 0.00	52.17 2.06 0.00	43.84 1.28 0.00	44.05 1.03 0.00	43.78 0.86 0.00	44.23 1.20 0.00	45.54 1.33 0.00	50.27 1.65 0.00	58.91 2.21 0.00	75.77 3.33 0.00	88.01 5.30 0.00	86.61 4.82 0.00	77.15 4.23 0.00	69.70 3.13 0.00	61.18 1.84 0.00	57.63 2.22 0.00	57.74 1.79 0.00
INDECK___CORINTH 23802	51.06 3.34 0.00	48.09 3.10 0.00	46.27 2.95 0.00	46.11 2.94 0.00	46.54 2.92 0.00	49.11 3.04 0.00	59.38 3.78 0.00	60.16 3.93 0.00	53.22 3.11 0.00	44.82 2.25 0.00	45.22 2.19 0.00	44.94 2.02 0.00	45.01 1.98 0.00	46.25 2.04 0.00	51.05 2.43 0.00	59.82 3.12 0.00	77.00 4.57 0.00	88.01 5.30 0.00	87.03 5.24 0.00	77.52 4.60 0.00	70.89 4.32 0.00	63.25 3.92 0.00	59.01 3.60 0.00	59.70 3.75 0.00
INDECK___ILION 23567	48.96 1.24 0.00	46.21 1.21 0.00	44.49 1.17 0.00	44.34 1.17 0.00	44.84 1.22 0.00	47.45 1.38 0.00	57.26 1.67 0.00	57.97 1.74 0.00	51.67 1.55 0.00	43.84 1.28 0.00	44.31 1.29 0.00	44.17 1.24 0.00	44.32 1.29 0.00	45.59 1.37 0.00	50.18 1.56 0.00	58.69 1.98 0.00	75.12 2.68 0.00	85.94 3.23 0.00	84.90 3.11 0.00	75.69 2.77 0.00	69.03 2.46 0.00	61.53 2.20 0.00	57.46 2.05 0.00	57.97 2.01 0.00
INDECK___OLEAN 23982	46.19 -1.53 0.00	43.91 -1.08 0.00	42.54 -0.78 0.00	42.44 -0.73 0.00	43.23 -0.39 0.00	45.84 -0.23 0.00	55.09 -0.50 0.00	55.55 -0.67 0.00	49.71 -0.40 0.00	42.61 0.04 0.00	43.07 0.04 0.00	43.05 0.13 0.00	43.46 0.43 0.00	44.79 0.57 0.00	49.21 0.59 0.00	57.04 0.34 0.00	72.22 -0.22 0.00	82.88 0.17 0.00	80.89 -0.90 0.00	72.19 -0.73 0.00	64.97 -1.60 0.00	57.32 -2.02 0.00	54.02 -1.38 0.00	54.44 -1.51 0.00
INDECK___OSWEGO 23783	46.58 -1.15 0.00	43.96 -1.03 0.00	42.33 -0.99 0.00	42.22 -0.95 0.00	42.66 -0.96 0.00	45.01 -1.06 0.00	54.32 -1.28 0.00	54.71 -1.52 0.00	48.81 -1.30 0.00	41.59 -0.98 0.00	41.95 -1.07 0.00	41.81 -1.12 0.00	41.96 -1.07 0.00	43.07 -1.15 0.00	47.31 -1.31 0.00	55.23 -1.47 0.00	70.55 -1.88 0.00	80.65 -2.06 0.00	79.58 -2.20 0.00	70.96 -1.97 0.00	64.70 -1.86 0.00	57.56 -1.78 0.00	53.80 -1.61 0.00	54.28 -1.68 0.00
INDECK___YERKES 23781	46.19 -1.53 0.00	44.09 -0.90 0.00	42.72 -0.61 0.00	42.52 -0.65 0.00	43.32 -0.30 0.00	45.84 -0.23 0.00	54.65 -0.95 0.00	54.99 -1.24 0.00	49.26 -0.85 0.00	42.27 -0.30 0.00	42.85 -0.17 0.00	42.88 -0.04 0.00	43.37 0.34 0.00	44.71 0.49 0.00	49.16 0.54 0.00	56.70 0.00 0.00	71.27 -1.16 0.00	81.81 -0.91 0.00	79.66 -2.13 0.00	71.17 -1.75 0.00	64.10 -2.46 0.00	56.79 -2.55 0.00	53.91 -1.49 0.00	54.44 -1.51 0.00
INDIAN POINT_GT_1 24139	49.96 2.24 0.00	46.97 1.98 0.00	45.14 1.82 0.00	44.90 1.73 0.00	45.32 1.70 0.00	47.86 1.80 0.00	57.87 2.28 0.00	59.09 2.87 0.00	52.62 2.51 0.00	44.61 2.04 0.00	45.17 2.15 0.00	45.11 2.19 0.00	45.10 2.07 0.00	46.25 2.03 0.00	50.76 2.14 0.00	59.25 2.55 0.00	75.55 3.11 0.00	86.19 3.47 0.00	85.47 3.68 0.00	76.13 3.21 0.00	69.56 3.00 0.00	62.12 2.79 0.00	57.74 2.33 0.00	58.19 2.24 0.00
INDIAN POINT_GT_2 23659	49.96 2.24 0.00	46.97 1.98 0.00	45.14 1.82 0.00	44.90 1.73 0.00	45.32 1.70 0.00	47.86 1.80 0.00	57.87 2.28 0.00	59.09 2.87 0.00	52.62 2.51 0.00	44.61 2.04 0.00	45.17 2.15 0.00	45.11 2.19 0.00	45.10 2.07 0.00	46.25 2.03 0.00	50.76 2.14 0.00	59.25 2.55 0.00	75.55 3.11 0.00	86.19 3.47 0.00	85.47 3.68 0.00	76.13 3.21 0.00	69.56 3.00 0.00	62.12 2.79 0.00	57.74 2.33 0.00	58.19 2.24 0.00
INDIAN POINT_GT_3 24019	49.96 2.24 0.00	46.97 1.98 0.00	45.14 1.82 0.00	44.90 1.73 0.00	45.32 1.70 0.00	47.86 1.80 0.00	57.87 2.28 0.00	59.09 2.87 0.00	52.62 2.51 0.00	44.61 2.04 0.00	45.17 2.15 0.00	45.11 2.19 0.00	45.10 2.07 0.00	46.25 2.03 0.00	50.76 2.14 0.00	59.25 2.55 0.00	75.55 3.11 0.00	86.19 3.47 0.00	85.47 3.68 0.00	76.13 3.21 0.00	69.56 3.00 0.00	62.12 2.79 0.00	57.74 2.33 0.00	58.19 2.24 0.00
INDIAN POINT___2 23530	50.06 2.34 0.00	47.02 2.03 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.37 1.75 0.00	47.91 1.84 0.00	57.82 2.23 0.00	58.98 2.75 0.00	52.52 2.41 0.00	44.57 2.00 0.00	45.09 2.07 0.00	45.03 2.10 0.00	45.01 1.98 0.00	46.16 1.94 0.00	50.66 2.04 0.00	59.14 2.44 0.00	75.41 2.97 0.00	86.03 3.31 0.00	85.30 3.51 0.00	76.05 3.13 0.00	69.49 2.93 0.00	62.01 2.67 0.00	57.63 2.22 0.00	58.13 2.18 0.00
INDIAN POINT___3 23531	49.92 2.20 0.00	46.93 1.93 0.00	45.10 1.78 0.00	44.90 1.73 0.00	45.28 1.66 0.00	47.82 1.75 0.00	57.82 2.22 0.00	58.98 2.75 0.00	52.57 2.46 0.00	44.61 2.04 0.00	45.13 2.11 0.00	45.07 2.15 0.00	45.05 2.02 0.00	46.21 1.99 0.00	50.71 2.09 0.00	59.20 2.49 0.00	75.48 3.04 0.00	86.11 3.39 0.00	85.30 3.52 0.00	76.06 3.14 0.00	69.50 2.93 0.00	62.07 2.73 0.00	57.68 2.27 0.00	58.19 2.24 0.00
INGHAM_C_115KV_TB7 356103	50.44 2.72 0.00	47.60 2.61 0.00	45.88 2.56 0.00	45.76 2.59 0.00	46.33 2.70 0.00	49.01 2.95 0.00	59.21 3.61 0.00	59.93 3.71 0.00	53.42 3.31 0.00	45.38 2.81 0.00	45.82 2.80 0.00	45.67 2.75 0.00	45.87 2.84 0.00	47.18 2.96 0.00	52.07 3.45 0.00	60.95 4.25 0.00	78.09 5.65 0.00	89.42 6.70 0.00	88.41 6.62 0.00	78.83 5.91 0.00	71.89 5.33 0.00	63.96 4.63 0.00	59.84 4.43 0.00	60.32 4.36 0.00
IP CORINTH___1 23988	51.01 3.29 0.00	48.05 3.06 0.00	46.22 2.90 0.00	46.06 2.89 0.00	46.46 2.84 0.00	49.06 2.99 0.00	59.38 3.78 0.00	60.16 3.94 0.00	53.22 3.11 0.00	44.82 2.26 0.00	45.22 2.19 0.00	44.94 2.02 0.00	45.01 1.98 0.00	46.25 2.03 0.00	51.05 2.43 0.00	59.82 3.12 0.00	77.00 4.56 0.00	88.01 5.29 0.00	87.02 5.23 0.00	77.51 4.59 0.00	70.89 4.33 0.00	63.25 3.92 0.00	59.01 3.60 0.00	59.70 3.75 0.00
IP___TICONDEROGA 23804	52.92 5.20 0.00	49.85 4.86 0.00	47.96 4.64 0.00	47.83 4.66 0.00	48.24 4.62 0.00	50.95 4.88 0.00	61.77 6.17 0.00	62.52 6.30 0.00	54.97 4.86 0.00	46.06 3.49 0.00	46.38 3.36 0.00	45.97 3.05 0.00	46.00 2.97 0.00	47.40 3.18 0.00	52.46 3.84 0.00	61.63 4.93 0.00	80.11 7.68 0.00	91.90 9.18 0.00	90.87 9.08 0.00	80.94 8.02 0.00	73.82 7.26 0.00	65.86 6.53 0.00	61.34 5.93 0.00	62.05 6.10 0.00
ISLIP_RES_REC 323679	52.47 4.15 -0.60	48.60 3.60 -0.01	46.67 3.34 -0.01	46.50 3.32 -0.01	46.90 3.27 -0.01	49.62 3.55 -0.01	59.83 4.22 -0.01	65.29 4.89 -4.18	54.28 4.16 -0.01	45.97 3.41 0.00	46.52 3.48 -0.01	46.41 3.48 -0.01	46.40 3.36 -0.01	48.23 3.45 -0.56	56.28 3.69 -3.96	72.77 4.65 -11.42	89.12 6.52 -10.16	98.81 7.28 -8.82	97.93 7.52 -8.62	97.17 6.63 -17.62	86.46 6.33 -13.57	77.95 5.52 -13.10	69.89 4.54 -9.94	60.38 4.42 -0.01



JAMAICA__27_KV_LOAD 355505	50.01 2.29 0.00	46.93 1.93 0.00	45.10 1.78 0.00	44.85 1.68 0.00	45.19 1.57 0.00	47.86 1.80 0.00	58.04 2.45 0.00	59.48 3.26 0.00	53.02 2.91 0.00	45.12 2.55 0.00	45.69 2.67 0.00	45.56 2.62 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.10 2.48 0.00	59.71 3.01 0.00	75.77 3.33 0.00	86.52 3.80 0.00	85.80 4.01 0.00	76.49 3.57 0.00	70.36 3.79 0.00	62.66 3.32 0.00	58.01 2.60 0.00	58.30 2.35 0.00
JANIS__SOLAR 323808	49.11 1.38 0.00	46.43 1.44 0.00	44.80 1.47 0.00	44.68 1.51 0.00	45.24 1.61 0.00	47.86 1.79 0.00	57.98 2.39 0.00	58.76 2.53 0.00	52.22 2.10 0.00	43.93 1.36 0.00	44.19 1.16 0.00	44.00 1.07 0.00	44.28 1.25 0.00	45.54 1.33 0.00	50.42 1.80 0.00	59.37 2.67 0.00	76.64 4.20 0.00	88.17 5.46 0.00	86.69 4.91 0.00	77.22 4.30 0.00	70.16 3.59 0.00	62.07 2.73 0.00	57.79 2.38 0.00	58.08 2.13 0.00
JARVIS____ 23743	48.01 0.29 0.00	45.26 0.27 0.00	43.58 0.26 0.00	43.39 0.22 0.00	43.84 0.22 0.00	46.34 0.28 0.00	55.87 0.28 0.00	56.51 0.28 0.00	50.37 0.25 0.00	42.78 0.21 0.00	43.24 0.22 0.00	43.10 0.17 0.00	43.20 0.17 0.00	44.40 0.18 0.00	48.82 0.20 0.00	56.99 0.28 0.00	72.80 0.36 0.00	83.13 0.42 0.00	82.20 0.41 0.00	73.29 0.37 0.00	66.90 0.33 0.00	59.63 0.30 0.00	55.69 0.28 0.00	56.23 0.28 0.00
JENNISON____1 23625	49.11 1.38 0.00	46.39 1.39 0.00	44.71 1.39 0.00	44.51 1.34 0.00	45.15 1.53 0.00	47.82 1.75 0.00	57.82 2.22 0.00	58.70 2.47 0.00	52.42 2.31 0.00	44.23 1.66 0.00	44.57 1.55 0.00	44.51 1.59 0.00	44.79 1.76 0.00	46.08 1.86 0.00	51.00 2.38 0.00	59.88 3.18 0.00	77.22 4.78 0.00	88.51 5.79 0.00	86.86 5.07 0.00	77.37 4.45 0.00	70.29 3.73 0.00	62.18 2.85 0.00	57.85 2.44 0.00	58.14 2.18 0.00
JENNISON____2 23626	49.11 1.38 0.00	46.39 1.39 0.00	44.71 1.39 0.00	44.51 1.34 0.00	45.15 1.53 0.00	47.82 1.75 0.00	57.82 2.22 0.00	58.70 2.47 0.00	52.42 2.31 0.00	44.23 1.66 0.00	44.57 1.55 0.00	44.51 1.59 0.00	44.79 1.76 0.00	46.08 1.86 0.00	51.00 2.38 0.00	59.88 3.18 0.00	77.22 4.78 0.00	88.51 5.79 0.00	86.86 5.07 0.00	77.37 4.45 0.00	70.29 3.73 0.00	62.18 2.85 0.00	57.85 2.44 0.00	58.14 2.18 0.00
JERICOHO_RISE_WT_PWR 323719	46.15 -1.57 0.00	43.64 -1.35 0.00	42.06 -1.26 0.00	41.92 -1.25 0.00	42.40 -1.22 0.00	44.82 -1.24 0.00	54.37 -1.22 0.00	55.10 -1.12 0.00	49.16 -0.95 0.00	41.72 -0.85 0.00	42.33 -0.69 0.00	42.32 -0.60 0.00	42.52 -0.51 0.00	43.82 -0.40 0.00	48.43 -0.19 0.00	56.48 -0.23 0.00	72.73 0.29 0.00	83.13 0.42 0.00	82.36 0.58 0.00	73.50 0.58 0.00	67.16 0.60 0.00	59.93 0.59 0.00	55.96 0.55 0.00	56.51 0.56 0.00
KATONAH__115KV_46KV_TB4 355592	50.35 2.62 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.20 2.03 0.00	45.67 2.05 0.00	48.18 2.12 0.00	58.26 2.67 0.00	59.48 3.26 0.00	52.92 2.81 0.00	44.87 2.30 0.00	45.43 2.41 0.00	45.37 2.45 0.00	45.40 2.37 0.00	46.56 2.34 0.00	51.15 2.53 0.00	59.71 3.01 0.00	76.06 3.62 0.00	86.85 4.14 0.00	86.12 4.33 0.00	76.71 3.79 0.00	70.03 3.46 0.00	62.48 3.14 0.00	58.12 2.71 0.00	58.58 2.63 0.00
KCE_NY_1 323755	50.54 2.81 0.00	47.60 2.61 0.00	45.79 2.47 0.00	45.63 2.46 0.00	46.02 2.40 0.00	48.60 2.53 0.00	58.71 3.11 0.00	59.37 3.15 0.00	52.67 2.55 0.00	44.44 1.87 0.00	44.87 1.85 0.00	44.64 1.72 0.00	44.71 1.68 0.00	45.99 1.77 0.00	50.76 2.14 0.00	59.37 2.67 0.00	76.20 3.76 0.00	87.01 4.30 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.09 3.53 0.00	62.54 3.20 0.00	58.34 2.93 0.00	58.97 3.02 0.00
KCE_NY_6_ESR 323823	46.34 -1.39 0.00	44.14 -0.86 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.49 -0.13 0.00	46.02 -0.05 0.00	55.09 -0.50 0.00	55.44 -0.79 0.00	49.66 -0.45 0.00	42.61 0.04 0.00	43.20 0.17 0.00	43.23 0.30 0.00	43.72 0.69 0.00	45.06 0.84 0.00	49.54 0.92 0.00	57.21 0.51 0.00	72.15 -0.29 0.00	82.72 0.00 0.00	80.64 -1.15 0.00	71.97 -0.95 0.00	64.84 -1.73 0.00	57.32 -2.02 0.00	54.30 -1.11 0.00	54.72 -1.23 0.00
KEDC PORT_JEFF_GT2 24210	52.08 3.77 -0.59	48.24 3.24 -0.01	46.36 3.03 -0.01	46.16 2.98 -0.01	46.55 2.92 -0.01	49.25 3.18 -0.01	59.44 3.83 -0.01	64.79 4.44 -4.13	53.93 3.81 -0.01	45.72 3.15 0.00	46.22 3.18 -0.01	46.11 3.18 -0.01	46.09 3.06 -0.01	47.91 3.14 -0.55	55.89 3.35 -3.91	72.23 4.25 -11.28	88.34 5.86 -10.04	98.05 6.62 -8.72	97.19 6.87 -8.53	96.38 6.05 -17.41	85.84 5.86 -13.41	77.32 5.04 -12.95	69.33 4.10 -9.82	59.94 3.97 -0.01
KEDC PORT_JEFF_GT3 24211	52.08 3.77 -0.59	48.24 3.24 -0.01	46.36 3.03 -0.01	46.16 2.98 -0.01	46.55 2.92 -0.01	49.25 3.18 -0.01	59.44 3.83 -0.01	64.79 4.44 -4.13	53.93 3.81 -0.01	45.72 3.15 0.00	46.22 3.18 -0.01	46.11 3.18 -0.01	46.09 3.06 -0.01	47.91 3.14 -0.55	55.89 3.35 -3.91	72.23 4.25 -11.28	88.34 5.86 -10.04	98.05 6.62 -8.72	97.19 6.87 -8.53	96.38 6.05 -17.41	85.84 5.86 -13.41	77.32 5.04 -12.95	69.33 4.10 -9.82	59.94 3.97 -0.01
KEDC_GLWD_GT4 24219	51.92 3.15 -1.05	47.75 2.74 -0.02	45.94 2.60 -0.02	45.73 2.55 -0.02	46.17 2.53 -0.02	48.71 2.62 -0.02	58.83 3.22 -0.02	67.27 3.77 -7.28	53.44 3.31 -0.02	45.42 2.85 0.00	45.92 2.88 -0.02	45.86 2.92 -0.02	45.84 2.80 -0.02	47.93 2.74 -0.97	58.44 2.92 -6.90	80.05 3.46 -19.89	93.97 3.84 -17.70	102.31 4.30 -15.30	101.25 4.50 -14.96	107.49 3.94 -30.63	93.94 3.79 -23.58	85.65 3.56 -22.76	75.88 3.16 -17.32	59.04 3.08 -0.02
KEDC_GLWD_GT5 24220	51.92 3.15 -1.05	47.75 2.74 -0.02	45.94 2.60 -0.02	45.73 2.55 -0.02	46.17 2.53 -0.02	48.71 2.62 -0.02	58.83 3.22 -0.02	67.27 3.77 -7.28	53.44 3.31 -0.02	45.42 2.85 0.00	45.92 2.88 -0.02	45.86 2.92 -0.02	45.84 2.80 -0.02	47.93 2.74 -0.97	58.44 2.92 -6.90	80.05 3.46 -19.89	93.97 3.84 -17.70	102.31 4.30 -15.30	101.25 4.50 -14.96	107.49 3.94 -30.63	93.94 3.79 -23.58	85.65 3.56 -22.76	75.88 3.16 -17.32	59.04 3.08 -0.02
KENSICO____ 23655	50.11 2.39 0.00	47.11 2.11 0.00	45.27 1.95 0.00	45.07 1.90 0.00	45.45 1.83 0.00	48.00 1.93 0.00	58.04 2.45 0.00	59.26 3.04 0.00	52.82 2.71 0.00	44.78 2.21 0.00	45.35 2.32 0.00	45.29 2.36 0.00	45.27 2.24 0.00	46.43 2.21 0.00	50.91 2.29 0.00	59.48 2.78 0.00	75.77 3.33 0.00	86.44 3.72 0.00	85.71 3.93 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.90 2.49 0.00	58.42 2.46 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	50.30 2.58 0.00	47.29 2.29 0.00	45.44 2.12 0.00	45.20 2.03 0.00	45.71 2.09 0.00	48.23 2.17 0.00	58.43 2.84 0.00	59.65 3.43 0.00	52.97 2.86 0.00	44.70 2.13 0.00	45.05 2.02 0.00	44.94 2.02 0.00	44.97 1.94 0.00	46.21 1.99 0.00	50.81 2.19 0.00	59.54 2.84 0.00	76.35 3.91 0.00	87.35 4.63 0.00	86.61 4.83 0.00	77.30 4.38 0.00	70.43 3.86 0.00	62.84 3.50 0.00	58.29 2.88 0.00	58.81 2.85 0.00



KIAC_JFK_GT1 23816	49.73 2.00 0.00	46.70 1.71 0.00	44.84 1.52 0.00	44.64 1.47 0.00	44.97 1.35 0.00	47.59 1.52 0.00	57.71 2.11 0.00	59.15 2.92 0.00	52.77 2.66 0.00	44.87 2.30 0.00	45.48 2.45 0.00	45.30 2.36 -0.02	45.37 2.32 -0.02	46.47 2.26 0.00	50.86 2.24 0.00	59.37 2.66 0.00	74.97 2.54 0.00	85.61 2.90 0.00	84.90 3.11 0.00	75.69 2.77 0.00	69.89 3.33 0.00	62.30 2.97 0.00	57.68 2.27 0.00	58.02 2.07 0.00
KIAC_JFK_GT2 23817	49.73 2.00 0.00	46.70 1.71 0.00	44.84 1.52 0.00	44.64 1.47 0.00	44.97 1.35 0.00	47.59 1.52 0.00	57.71 2.11 0.00	59.15 2.92 0.00	52.77 2.66 0.00	44.87 2.30 0.00	45.48 2.45 0.00	45.30 2.36 -0.02	45.37 2.32 -0.02	46.47 2.26 0.00	50.86 2.24 0.00	59.37 2.66 0.00	74.97 2.54 0.00	85.61 2.90 0.00	84.90 3.11 0.00	75.69 2.77 0.00	69.89 3.33 0.00	62.30 2.97 0.00	57.68 2.27 0.00	58.02 2.07 0.00
KIAC_JFK____ 323774	50.01 2.29 0.00	46.84 1.85 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.15 1.53 0.00	47.72 1.66 0.00	57.76 2.17 0.00	59.15 2.92 0.00	52.77 2.65 0.00	44.87 2.30 -0.01	45.48 2.45 -0.01	45.30 2.36 -0.02	45.37 2.32 -0.02	46.48 2.25 -0.01	50.86 2.24 0.00	59.42 2.72 0.00	74.97 2.53 0.00	85.61 2.89 0.00	84.89 3.11 0.00	75.69 2.77 0.00	69.89 3.33 0.00	62.30 2.97 0.00	57.68 2.27 0.00	58.02 2.07 0.00
KINTIGH__24_KV_GSU 356498	46.01 -1.72 0.00	43.73 -1.26 0.00	42.37 -0.95 0.00	42.18 -0.99 0.00	42.88 -0.74 0.00	45.28 -0.78 0.00	54.21 -1.39 0.00	54.54 -1.69 0.00	48.86 -1.25 0.00	41.80 -0.76 0.00	42.42 -0.60 0.00	42.41 -0.51 0.00	42.77 -0.26 0.00	44.04 -0.18 0.00	48.43 -0.19 0.00	56.02 -0.68 0.00	70.70 -1.74 0.00	80.90 -1.82 0.00	79.09 -2.70 0.00	70.66 -2.26 0.00	63.77 -2.79 0.00	56.55 -2.79 0.00	53.58 -1.83 0.00	54.05 -1.90 0.00
KINTIGH____ 23543	46.10 -1.62 0.00	43.78 -1.21 0.00	42.37 -0.95 0.00	42.26 -0.91 0.00	42.88 -0.74 0.00	45.24 -0.83 0.00	54.26 -1.33 0.00	54.54 -1.69 0.00	48.86 -1.25 0.00	41.80 -0.77 0.00	42.42 -0.60 0.00	42.41 -0.52 0.00	42.77 -0.26 0.00	44.04 -0.18 0.00	48.43 -0.19 0.00	56.02 -0.68 0.00	70.63 -1.81 0.00	80.90 -1.82 0.00	79.09 -2.70 0.00	70.66 -2.26 0.00	63.77 -2.80 0.00	56.55 -2.79 0.00	53.58 -1.83 0.00	54.05 -1.90 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	46.72 -1.00 0.00	44.18 -0.81 0.00	42.59 -0.74 0.00	42.44 -0.73 0.00	42.97 -0.65 0.00	45.42 -0.64 0.00	55.21 -0.39 0.00	55.89 -0.34 0.00	49.86 -0.25 0.00	42.23 -0.34 0.00	42.85 -0.17 0.00	42.84 -0.09 0.00	43.03 0.00 0.00	44.40 0.18 0.00	49.11 0.49 0.00	57.21 0.51 0.00	73.81 1.38 0.00	84.45 1.74 0.00	83.67 1.88 0.00	74.67 1.75 0.00	68.23 1.66 0.00	60.76 1.42 0.00	56.79 1.39 0.00	57.35 1.40 0.00
LACHUTE____HYDRO 323717	52.97 5.25 0.00	49.94 4.95 0.00	48.00 4.68 0.00	47.92 4.75 0.00	48.33 4.71 0.00	51.00 4.93 0.00	61.82 6.23 0.00	62.52 6.30 0.00	54.97 4.86 0.00	46.06 3.49 0.00	46.38 3.36 0.00	45.97 3.05 0.00	46.00 2.97 0.00	47.40 3.19 0.00	52.46 3.84 0.00	61.63 4.93 0.00	80.19 7.75 0.00	91.90 9.18 0.00	90.87 9.08 0.00	80.94 8.02 0.00	73.82 7.26 0.00	65.86 6.53 0.00	61.34 5.93 0.00	62.05 6.10 0.00
LAWRNCV_115KV_TB1 80681	47.29 -0.43 0.00	44.81 -0.18 0.00	43.19 -0.13 0.00	43.00 -0.17 0.00	43.49 -0.13 0.00	45.74 -0.32 0.00	55.48 -0.11 0.00	56.11 -0.11 0.00	49.91 -0.20 0.00	42.23 -0.34 0.00	42.77 -0.26 0.00	42.67 -0.26 0.00	42.81 -0.22 0.00	44.04 -0.18 0.00	48.33 -0.29 0.00	56.13 -0.57 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.62 -0.16 0.00	72.85 -0.07 0.00	66.57 0.00 0.00	59.69 0.36 0.00	55.91 0.50 0.00	56.74 0.78 0.00
LEDERLE____ 23769	50.06 2.34 0.00	47.06 2.07 0.00	45.23 1.91 0.00	44.98 1.81 0.00	45.41 1.79 0.00	47.95 1.89 0.00	58.04 2.45 0.00	59.20 2.98 0.00	52.72 2.61 0.00	44.74 2.17 0.00	45.22 2.19 0.00	45.16 2.23 0.00	45.14 2.11 0.00	46.34 2.12 0.00	50.86 2.24 0.00	59.42 2.72 0.00	75.84 3.40 0.00	86.52 3.80 0.00	85.80 4.01 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.90 2.49 0.00	58.36 2.41 0.00
LIGHTHSE_115KV_TB6 355974	47.15 -0.57 0.00	44.50 -0.49 0.00	42.85 -0.48 0.00	42.70 -0.47 0.00	43.23 -0.39 0.00	45.51 -0.55 0.00	54.82 -0.78 0.00	55.32 -0.90 0.00	49.26 -0.85 0.00	41.84 -0.72 0.00	42.21 -0.82 0.00	42.07 -0.86 0.00	42.21 -0.82 0.00	43.33 -0.88 0.00	47.70 -0.92 0.00	55.85 -0.85 0.00	71.57 -0.87 0.00	81.97 -0.74 0.00	80.89 -0.90 0.00	72.12 -0.80 0.00	65.70 -0.87 0.00	58.62 -0.71 0.00	54.69 -0.72 0.00	55.23 -0.73 0.00
LINDEN COGEN____ 23786	50.39 2.67 0.00	47.24 2.25 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.59 1.96 0.00	48.14 2.07 0.00	58.15 2.56 0.00	59.48 3.26 0.00	53.02 2.91 0.00	45.04 2.47 -0.01	45.57 2.54 -0.01	45.56 2.62 -0.02	45.50 2.45 -0.02	46.61 2.39 -0.01	51.10 2.48 0.00	59.65 2.95 0.00	75.98 3.55 0.00	86.60 3.89 0.00	85.88 4.09 0.00	76.57 3.64 0.00	70.03 3.46 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.41 2.46 0.00
LINDHRST_69_KV_BK1 356055	52.38 3.96 -0.70	48.60 3.60 -0.01	46.67 3.34 -0.01	46.46 3.28 -0.01	46.90 3.27 -0.01	49.58 3.50 -0.01	59.94 4.34 -0.01	66.10 5.00 -4.88	54.48 4.36 -0.01	46.14 3.58 0.00	46.65 3.61 -0.01	46.58 3.65 -0.01	46.57 3.53 -0.01	48.45 3.58 -0.65	57.08 3.84 -4.62	74.61 4.59 -13.32	90.44 6.16 -11.85	99.66 6.70 -10.24	98.68 6.87 -10.02	99.49 6.05 -20.51	88.01 5.66 -15.79	79.68 5.10 -15.24	71.32 4.32 -11.59	60.22 4.25 -0.01
LIPA_MISC_IPP 23656	51.89 3.58 -0.59	48.15 3.15 -0.01	46.23 2.90 -0.01	46.03 2.85 -0.01	46.42 2.79 -0.01	49.11 3.04 -0.01	59.33 3.72 -0.01	64.77 4.44 -4.10	53.88 3.76 -0.01	45.67 3.11 0.00	46.17 3.14 -0.01	46.07 3.13 -0.01	46.05 3.01 -0.01	47.82 3.05 -0.55	55.77 3.26 -3.89	72.11 4.20 -11.21	88.35 5.94 -9.98	98.16 6.78 -8.66	97.29 7.03 -8.47	96.50 6.27 -17.30	85.95 6.06 -13.33	77.66 5.46 -12.87	69.43 4.27 -9.76	60.16 4.20 -0.01
LISF____SOLAR 323691	52.23 3.91 -0.59	48.38 3.38 -0.01	46.45 3.12 -0.01	46.29 3.11 -0.01	46.68 3.05 -0.01	49.39 3.32 -0.01	59.49 3.89 -0.01	64.89 4.55 -4.11	53.98 3.86 -0.01	45.72 3.15 0.00	46.22 3.18 -0.01	46.11 3.18 -0.01	46.09 3.06 -0.01	47.91 3.14 -0.55	55.87 3.35 -3.90	72.24 4.31 -11.24	88.52 6.09 -10.00	98.42 7.03 -8.68	97.56 7.28 -8.49	96.75 6.49 -17.34	86.18 6.26 -13.36	77.57 5.34 -12.89	69.62 4.43 -9.78	60.27 4.31 -0.01
LITTLE FALLS____HYD 24013	50.44 2.72 0.00	47.60 2.61 0.00	45.88 2.56 0.00	45.76 2.59 0.00	46.33 2.70 0.00	49.01 2.95 0.00	59.21 3.61 0.00	59.93 3.71 0.00	53.42 3.31 0.00	45.38 2.81 0.00	45.82 2.80 0.00	45.67 2.75 0.00	45.87 2.84 0.00	47.18 2.96 0.00	52.07 3.45 0.00	60.95 4.25 0.00	78.09 5.65 0.00	89.42 6.70 0.00	88.41 6.62 0.00	78.83 5.91 0.00	71.89 5.33 0.00	63.96 4.63 0.00	59.84 4.43 0.00	60.32 4.36 0.00



LITTLRIV_115KV_TB1 356100	47.86 0.14 0.00	45.35 0.36 0.00	43.71 0.39 0.00	43.47 0.30 0.00	44.01 0.39 0.00	46.34 0.28 0.00	56.21 0.61 0.00	56.84 0.62 0.00	50.46 0.35 0.00	42.52 -0.04 0.00	43.02 0.00 0.00	42.84 -0.09 0.00	42.99 -0.04 0.00	44.26 0.04 0.00	48.62 0.00 0.00	56.59 -0.11 0.00	73.02 0.58 0.00	83.79 1.08 0.00	83.01 1.23 0.00	74.09 1.17 0.00	67.63 1.07 0.00	60.58 1.25 0.00	56.68 1.27 0.00	57.52 1.57 0.00
LI_NEWBRDGE___DRP 323616	50.99 2.72 -0.55	47.43 2.43 -0.01	45.58 2.25 -0.01	45.42 2.24 -0.01	45.85 2.22 -0.01	48.47 2.40 -0.01	58.49 2.89 -0.01	63.58 3.54 -3.81	53.18 3.06 -0.01	45.25 2.68 0.00	45.66 2.62 -0.01	45.59 2.66 -0.01	45.53 2.50 -0.01	47.16 2.43 -0.51	54.86 2.63 -3.61	70.34 3.23 -10.41	85.90 4.20 -9.26	95.27 4.55 -8.01	94.45 4.83 -7.83	93.18 4.23 -16.03	83.04 4.13 -12.34	74.99 3.74 -11.91	67.41 2.94 -9.06	58.81 2.85 -0.01
LOCKPORT_115KV_TB60_63_64 80432	46.34 -1.38 0.00	44.23 -0.76 0.00	42.85 -0.48 0.00	42.78 -0.39 0.00	43.40 -0.22 0.00	45.74 -0.32 0.00	54.43 -1.17 0.00	54.59 -1.63 0.00	48.86 -1.25 0.00	41.89 -0.68 0.00	42.51 -0.52 0.00	42.49 -0.43 0.00	42.99 -0.04 0.00	44.31 0.09 0.00	48.72 0.10 0.00	56.19 -0.51 0.00	70.70 -1.74 0.00	81.14 -1.57 0.00	79.09 -2.70 0.00	70.73 -2.19 0.00	63.70 -2.86 0.00	56.43 -2.91 0.00	53.58 -1.83 0.00	54.44 -1.51 0.00
LOCKPORT___CC1 323769	46.19 -1.53 0.00	44.14 -0.86 0.00	42.76 -0.56 0.00	42.61 -0.56 0.00	43.36 -0.26 0.00	45.79 -0.27 0.00	54.42 -1.17 0.00	54.59 -1.63 0.00	48.91 -1.20 0.00	41.93 -0.64 0.00	42.55 -0.47 0.00	42.54 -0.39 0.00	43.03 0.00 0.00	44.31 0.09 0.00	48.72 0.10 0.00	56.25 -0.46 0.00	70.77 -1.66 0.00	81.14 -1.57 0.00	79.09 -2.70 0.00	70.74 -2.19 0.00	63.71 -2.86 0.00	56.43 -2.91 0.00	53.58 -1.83 0.00	54.39 -1.57 0.00
LOCKPORT___CC2 323770	46.19 -1.53 0.00	44.14 -0.86 0.00	42.76 -0.56 0.00	42.61 -0.56 0.00	43.36 -0.26 0.00	45.79 -0.27 0.00	54.42 -1.17 0.00	54.59 -1.63 0.00	48.91 -1.20 0.00	41.93 -0.64 0.00	42.55 -0.47 0.00	42.54 -0.39 0.00	43.03 0.00 0.00	44.31 0.09 0.00	48.72 0.10 0.00	56.25 -0.46 0.00	70.77 -1.66 0.00	81.14 -1.57 0.00	79.09 -2.70 0.00	70.74 -2.19 0.00	63.71 -2.86 0.00	56.43 -2.91 0.00	53.58 -1.83 0.00	54.39 -1.57 0.00
LOCKPORT___CC3 323771	46.19 -1.53 0.00	44.14 -0.86 0.00	42.76 -0.56 0.00	42.61 -0.56 0.00	43.36 -0.26 0.00	45.79 -0.27 0.00	54.42 -1.17 0.00	54.59 -1.63 0.00	48.91 -1.20 0.00	41.93 -0.64 0.00	42.55 -0.47 0.00	42.54 -0.39 0.00	43.03 0.00 0.00	44.31 0.09 0.00	48.72 0.10 0.00	56.25 -0.46 0.00	70.77 -1.66 0.00	81.14 -1.57 0.00	79.09 -2.70 0.00	70.74 -2.19 0.00	63.71 -2.86 0.00	56.43 -2.91 0.00	53.58 -1.83 0.00	54.39 -1.57 0.00
LOCUSVLY_69_KV_BK2 55797	51.85 3.20 -0.93	47.84 2.83 -0.01	45.98 2.64 -0.01	45.77 2.59 -0.01	46.21 2.57 -0.01	48.84 2.76 -0.01	59.06 3.45 -0.01	66.72 4.05 -6.45	53.69 3.56 -0.01	45.59 3.02 0.00	46.09 3.05 -0.01	46.03 3.09 -0.01	46.01 2.97 -0.01	48.04 2.96 -0.86	57.90 3.16 -6.11	78.07 3.74 -17.63	92.83 4.71 -15.68	101.48 5.21 -13.56	100.45 5.40 -13.26	104.88 4.81 -27.15	91.99 4.53 -20.90	83.60 4.09 -20.17	74.19 3.44 -15.35	59.32 3.36 -0.01
LONG_LAKE_PHOENIX 24014	46.77 -0.95 0.00	44.09 -0.90 0.00	42.50 -0.82 0.00	42.39 -0.78 0.00	42.88 -0.74 0.00	45.19 -0.88 0.00	54.48 -1.11 0.00	54.87 -1.35 0.00	49.01 -1.10 0.00	41.72 -0.85 0.00	42.12 -0.90 0.00	41.98 -0.94 0.00	42.13 -0.90 0.00	43.25 -0.97 0.00	47.50 -1.12 0.00	55.45 -1.25 0.00	70.77 -1.67 0.00	80.90 -1.82 0.00	79.82 -1.96 0.00	71.17 -1.75 0.00	64.90 -1.66 0.00	57.73 -1.60 0.00	53.91 -1.50 0.00	54.39 -1.57 0.00
LOVETT___3 23632	49.87 2.15 0.00	46.88 1.89 0.00	45.05 1.73 0.00	44.85 1.68 0.00	45.23 1.61 0.00	47.77 1.70 0.00	57.76 2.17 0.00	58.98 2.75 0.00	52.52 2.41 0.00	44.57 2.00 0.00	45.09 2.07 0.00	45.03 2.10 0.00	45.01 1.98 0.00	46.16 1.95 0.00	50.66 2.04 0.00	59.14 2.44 0.00	75.41 2.97 0.00	86.02 3.31 0.00	85.30 3.52 0.00	75.98 3.06 0.00	69.50 2.93 0.00	62.01 2.67 0.00	57.62 2.22 0.00	58.14 2.18 0.00
LOVETT___4 23642	49.87 2.15 0.00	46.88 1.89 0.00	45.05 1.73 0.00	44.85 1.68 0.00	45.23 1.61 0.00	47.77 1.70 0.00	57.76 2.17 0.00	58.98 2.75 0.00	52.52 2.41 0.00	44.57 2.00 0.00	45.09 2.07 0.00	45.03 2.10 0.00	45.01 1.98 0.00	46.16 1.95 0.00	50.66 2.04 0.00	59.14 2.44 0.00	75.41 2.97 0.00	86.02 3.31 0.00	85.30 3.52 0.00	75.98 3.06 0.00	69.50 2.93 0.00	62.01 2.67 0.00	57.62 2.22 0.00	58.14 2.18 0.00
LOVETT___5 23593	49.87 2.15 0.00	46.88 1.89 0.00	45.05 1.73 0.00	44.85 1.68 0.00	45.23 1.61 0.00	47.77 1.70 0.00	57.76 2.17 0.00	58.98 2.75 0.00	52.52 2.41 0.00	44.57 2.00 0.00	45.09 2.07 0.00	45.03 2.10 0.00	45.01 1.98 0.00	46.16 1.95 0.00	50.66 2.04 0.00	59.14 2.44 0.00	75.41 2.97 0.00	86.02 3.31 0.00	85.30 3.52 0.00	75.98 3.06 0.00	69.50 2.93 0.00	62.01 2.67 0.00	57.62 2.22 0.00	58.14 2.18 0.00
LOWER RAQUET___HYD 24057	47.20 -0.52 0.00	44.77 -0.22 0.00	43.15 -0.17 0.00	42.96 -0.21 0.00	43.40 -0.22 0.00	45.65 -0.42 0.00	55.37 -0.22 0.00	56.00 -0.22 0.00	49.81 -0.30 0.00	42.10 -0.47 0.00	42.64 -0.39 0.00	42.54 -0.39 0.00	42.68 -0.35 0.00	43.91 -0.31 0.00	48.13 -0.49 0.00	55.91 -0.79 0.00	71.78 -0.65 0.00	82.14 -0.57 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.30 -0.27 0.00	59.51 0.18 0.00	55.74 0.33 0.00	56.68 0.73 0.00
LOWER___HUDSON 24059	49.96 2.24 0.00	47.02 2.03 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.41 1.79 0.00	47.91 1.84 0.00	57.76 2.17 0.00	58.47 2.25 0.00	52.02 1.90 0.00	44.02 1.45 0.00	44.53 1.51 0.00	44.38 1.46 0.00	44.41 1.38 0.00	45.63 1.41 0.00	50.27 1.65 0.00	58.63 1.93 0.00	74.97 2.53 0.00	85.61 2.89 0.00	84.73 2.94 0.00	75.47 2.55 0.00	68.96 2.39 0.00	61.65 2.31 0.00	57.51 2.10 0.00	58.13 2.18 0.00
LOWVILLE_115KV_TB2 356335	47.63 -0.10 0.00	44.95 -0.04 0.00	43.28 -0.04 0.00	43.00 -0.17 0.00	43.58 -0.04 0.00	45.97 -0.09 0.00	55.43 -0.17 0.00	56.39 0.17 0.00	50.21 0.10 0.00	42.35 -0.21 0.00	42.72 -0.30 0.00	42.49 -0.43 0.00	42.56 -0.47 0.00	43.47 -0.75 0.00	47.94 -0.68 0.00	56.59 -0.11 0.00	73.02 0.58 0.00	83.96 1.24 0.00	82.93 1.15 0.00	73.94 1.02 0.00	67.43 0.87 0.00	60.76 1.42 0.00	56.57 1.16 0.00	57.13 1.18 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	50.44 2.72 0.00	47.51 2.52 0.00	45.70 2.38 0.00	45.54 2.37 0.00	45.93 2.31 0.00	48.51 2.44 0.00	58.60 3.00 0.00	59.37 3.15 0.00	52.62 2.51 0.00	44.44 1.87 0.00	44.83 1.81 0.00	44.60 1.67 0.00	44.66 1.64 0.00	45.99 1.77 0.00	50.71 2.09 0.00	59.31 2.61 0.00	76.13 3.69 0.00	86.93 4.22 0.00	86.04 4.25 0.00	76.64 3.72 0.00	70.03 3.46 0.00	62.54 3.20 0.00	58.29 2.88 0.00	58.97 3.02 0.00



LUTHERNY_35_KV_BK2 355980	50.49 2.77 0.00	47.56 2.56 0.00	45.70 2.38 0.00	45.54 2.37 0.00	45.98 2.36 0.00	48.55 2.49 0.00	58.65 3.06 0.00	59.37 3.15 0.00	52.67 2.56 0.00	44.44 1.87 0.00	44.87 1.85 0.00	44.64 1.72 0.00	44.71 1.68 0.00	45.99 1.77 0.00	50.76 2.14 0.00	59.37 2.66 0.00	76.20 3.77 0.00	87.02 4.30 0.00	86.04 4.25 0.00	76.71 3.79 0.00	70.09 3.53 0.00	62.54 3.20 0.00	58.34 2.94 0.00	58.97 3.02 0.00
LWR___OSWEGATCHIE_HYD 23850	47.24 -0.48 0.00	44.68 -0.31 0.00	43.02 -0.30 0.00	42.78 -0.39 0.00	43.36 -0.26 0.00	45.47 -0.60 0.00	54.93 -0.67 0.00	55.72 -0.51 0.00	49.56 -0.55 0.00	41.80 -0.77 0.00	42.42 -0.60 0.00	42.24 -0.69 0.00	42.38 -0.65 0.00	43.47 -0.75 0.00	47.79 -0.83 0.00	55.85 -0.85 0.00	71.71 -0.72 0.00	82.30 -0.41 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.23 -0.33 0.00	59.81 0.47 0.00	55.85 0.44 0.00	56.62 0.67 0.00
LYONS_FALL_HYD 23570	48.01 0.29 0.00	45.35 0.36 0.00	43.71 0.39 0.00	43.43 0.26 0.00	43.93 0.31 0.00	46.39 0.32 0.00	55.99 0.39 0.00	56.84 0.62 0.00	50.67 0.55 0.00	42.78 0.21 0.00	43.15 0.13 0.00	42.97 0.04 0.00	43.03 0.00 0.00	44.04 -0.18 0.00	48.57 -0.05 0.00	57.15 0.45 0.00	73.59 1.16 0.00	84.46 1.74 0.00	83.34 1.55 0.00	74.30 1.38 0.00	67.77 1.20 0.00	60.76 1.42 0.00	56.57 1.17 0.00	57.13 1.18 0.00
MADISON___COUNTY_LFGE 323628	48.82 1.10 0.00	46.07 1.08 0.00	44.36 1.04 0.00	44.21 1.04 0.00	44.76 1.13 0.00	47.31 1.24 0.00	57.10 1.50 0.00	57.80 1.57 0.00	51.47 1.35 0.00	43.55 0.98 0.00	43.93 0.90 0.00	43.74 0.82 0.00	43.89 0.86 0.00	45.06 0.84 0.00	49.64 1.02 0.00	58.18 1.47 0.00	74.75 2.32 0.00	85.61 2.90 0.00	84.32 2.54 0.00	75.18 2.26 0.00	68.43 1.86 0.00	60.94 1.60 0.00	56.79 1.39 0.00	57.30 1.34 0.00
MALONE___115KV_TB1 356076	46.86 -0.86 0.00	44.32 -0.67 0.00	42.76 -0.56 0.00	42.61 -0.56 0.00	43.10 -0.52 0.00	45.56 -0.51 0.00	55.37 -0.22 0.00	56.05 -0.17 0.00	50.01 -0.10 0.00	42.31 -0.26 0.00	42.94 -0.09 0.00	42.88 -0.04 0.00	43.07 0.04 0.00	44.40 0.18 0.00	49.01 0.39 0.00	57.04 0.34 0.00	73.59 1.16 0.00	84.04 1.32 0.00	83.34 1.55 0.00	74.38 1.46 0.00	67.96 1.40 0.00	60.64 1.31 0.00	56.68 1.27 0.00	57.24 1.29 0.00
MAPLEWOD_115KV_TB3 80458	49.58 1.86 0.00	46.70 1.71 0.00	44.88 1.56 0.00	44.72 1.55 0.00	45.10 1.48 0.00	47.63 1.57 0.00	57.43 1.83 0.00	58.14 1.91 0.00	51.72 1.60 0.00	43.80 1.23 0.00	44.31 1.29 0.00	44.17 1.24 0.00	44.23 1.20 0.00	45.50 1.28 0.00	50.03 1.41 0.00	58.35 1.64 0.00	74.39 1.96 0.00	84.87 2.15 0.00	84.08 2.29 0.00	74.89 1.97 0.00	68.50 1.93 0.00	61.23 1.90 0.00	57.13 1.72 0.00	57.80 1.85 0.00
MAPLE_RIDGE_WT_1 323574	46.58 -1.15 0.00	44.00 -0.99 0.00	42.41 -0.91 0.00	42.35 -0.82 0.00	42.88 -0.74 0.00	45.38 -0.69 0.00	54.93 -0.66 0.00	55.66 -0.56 0.00	49.66 -0.45 0.00	42.23 -0.34 0.00	42.68 -0.35 0.00	42.54 -0.39 0.00	42.60 -0.43 0.00	43.82 -0.40 0.00	48.28 -0.34 0.00	56.42 -0.28 0.00	72.29 -0.14 0.00	82.63 -0.08 0.00	81.79 0.00 0.00	72.92 0.00 0.00	66.57 0.00 0.00	59.28 -0.06 0.00	55.30 -0.11 0.00	55.73 -0.22 0.00
MAPLE_RIDGE_WT_2 323611	46.58 -1.15 0.00	44.00 -0.99 0.00	42.41 -0.91 0.00	42.35 -0.82 0.00	42.88 -0.74 0.00	45.38 -0.69 0.00	54.93 -0.66 0.00	55.66 -0.56 0.00	49.66 -0.45 0.00	42.23 -0.34 0.00	42.68 -0.35 0.00	42.54 -0.39 0.00	42.60 -0.43 0.00	43.82 -0.40 0.00	48.28 -0.34 0.00	56.42 -0.28 0.00	72.29 -0.14 0.00	82.63 -0.08 0.00	81.79 0.00 0.00	72.92 0.00 0.00	66.57 0.00 0.00	59.28 -0.06 0.00	55.30 -0.11 0.00	55.73 -0.22 0.00
MARBLE_RIVER_WT_PWR 323696	46.24 -1.48 0.00	43.73 -1.26 0.00	42.15 -1.17 0.00	42.01 -1.16 0.00	42.49 -1.13 0.00	44.92 -1.15 0.00	54.48 -1.11 0.00	55.15 -1.07 0.00	49.21 -0.90 0.00	41.80 -0.76 0.00	42.38 -0.64 0.00	42.36 -0.56 0.00	42.56 -0.47 0.00	43.86 -0.36 0.00	48.48 -0.15 0.00	56.53 -0.17 0.00	72.73 0.29 0.00	83.21 0.50 0.00	82.44 0.65 0.00	73.58 0.65 0.00	67.23 0.67 0.00	59.93 0.59 0.00	56.02 0.61 0.00	56.57 0.62 0.00
MARSHVLE_115KV_TB1 80742	48.10 0.38 0.00	45.31 0.31 0.00	43.58 0.26 0.00	43.43 0.26 0.00	43.88 0.26 0.00	46.39 0.32 0.00	56.21 0.61 0.00	56.90 0.67 0.00	49.66 -0.45 0.00	41.33 -1.23 0.00	41.56 -1.46 0.00	41.38 -1.55 0.00	41.48 -1.55 0.00	42.94 -1.28 0.00	47.65 -0.97 0.00	56.47 -0.23 0.00	73.23 0.80 0.00	83.87 1.16 0.00	82.93 1.15 0.00	73.87 0.95 0.00	67.30 0.73 0.00	59.87 0.53 0.00	55.91 0.50 0.00	56.40 0.45 0.00
MARSH_HILL_WT_PWR 323713	45.67 -2.05 0.00	43.51 -1.48 0.00	42.24 -1.08 0.00	42.39 -0.78 0.00	43.32 -0.30 0.00	45.93 -0.14 0.00	55.65 0.06 0.00	56.45 0.23 0.00	50.51 0.40 0.00	43.04 0.47 0.00	43.50 0.47 0.00	43.48 0.56 0.00	43.93 0.91 0.00	45.41 1.19 0.00	50.13 1.51 0.00	58.46 1.76 0.00	74.39 1.96 0.00	85.36 2.65 0.00	83.51 1.72 0.00	74.23 1.31 0.00	66.70 0.13 0.00	58.33 -1.01 0.00	54.47 -0.94 0.00	54.33 -1.62 0.00
MCINTYRE_115KV_TB2 80467	48.29 0.57 0.00	45.71 0.72 0.00	44.06 0.74 0.00	43.82 0.65 0.00	44.36 0.74 0.00	46.80 0.74 0.00	56.76 1.17 0.00	57.35 1.12 0.00	50.81 0.70 0.00	42.78 0.21 0.00	43.20 0.17 0.00	43.05 0.13 0.00	43.16 0.13 0.00	44.48 0.27 0.00	48.91 0.29 0.00	56.98 0.28 0.00	73.81 1.38 0.00	84.87 2.15 0.00	84.08 2.29 0.00	75.04 2.11 0.00	68.50 1.93 0.00	61.18 1.84 0.00	57.18 1.77 0.00	57.91 1.96 0.00
MECO_____69_KV_BK1 80468	49.68 1.96 0.00	46.79 1.80 0.00	44.97 1.65 0.00	44.85 1.68 0.00	45.28 1.66 0.00	47.86 1.80 0.00	58.04 2.45 0.00	58.70 2.47 0.00	51.12 1.00 0.00	42.44 -0.13 0.00	42.59 -0.43 0.00	42.32 -0.60 0.00	42.43 -0.60 0.00	43.95 -0.27 0.00	48.86 0.24 0.00	58.01 1.30 0.00	75.48 3.04 0.00	86.60 3.89 0.00	85.63 3.84 0.00	76.28 3.35 0.00	69.50 2.93 0.00	61.89 2.55 0.00	57.62 2.22 0.00	58.19 2.24 0.00
MENANDS___115KV_TB5 355628	49.39 1.67 0.00	46.52 1.53 0.00	44.75 1.43 0.00	44.55 1.38 0.00	44.97 1.35 0.00	47.45 1.38 0.00	57.21 1.61 0.00	57.91 1.69 0.00	51.52 1.40 0.00	43.72 1.15 0.00	44.23 1.20 0.00	44.08 1.16 0.00	44.15 1.12 0.00	45.37 1.15 0.00	49.88 1.26 0.00	58.12 1.42 0.00	74.03 1.59 0.00	84.45 1.74 0.00	83.59 1.80 0.00	74.53 1.60 0.00	68.10 1.53 0.00	60.94 1.60 0.00	56.90 1.50 0.00	57.58 1.62 0.00
MG INDUSTRY___DRP 24185	49.39 1.67 0.00	46.52 1.53 0.00	44.75 1.43 0.00	44.60 1.42 0.00	45.02 1.40 0.00	47.49 1.43 0.00	57.32 1.72 0.00	58.02 1.80 0.00	51.47 1.35 0.00	43.55 0.98 0.00	44.01 0.99 0.00	43.87 0.94 0.00	43.93 0.90 0.00	45.19 0.97 0.00	49.74 1.12 0.00	58.01 1.30 0.00	74.10 1.67 0.00	84.62 1.90 0.00	83.75 1.96 0.00	74.67 1.75 0.00	68.23 1.66 0.00	61.00 1.66 0.00	56.96 1.55 0.00	57.63 1.68 0.00



MID___OSWEGATCHIE_HYD 23849	47.24 -0.48 0.00	44.68 -0.31 0.00	43.02 -0.30 0.00	42.78 -0.39 0.00	43.36 -0.26 0.00	45.47 -0.60 0.00	54.93 -0.67 0.00	55.72 -0.51 0.00	49.56 -0.55 0.00	41.80 -0.77 0.00	42.42 -0.60 0.00	42.24 -0.69 0.00	42.38 -0.65 0.00	43.47 -0.75 0.00	47.79 -0.83 0.00	55.85 -0.85 0.00	71.71 -0.72 0.00	82.30 -0.41 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.23 -0.33 0.00	59.81 0.47 0.00	55.85 0.44 0.00	56.62 0.67 0.00
MID___RAQUETTE_HYD 23851	47.20 -0.52 0.00	44.72 -0.27 0.00	43.11 -0.22 0.00	42.91 -0.26 0.00	43.40 -0.22 0.00	45.65 -0.41 0.00	55.37 -0.22 0.00	56.00 -0.22 0.00	49.81 -0.30 0.00	42.10 -0.47 0.00	42.64 -0.39 0.00	42.54 -0.39 0.00	42.69 -0.34 0.00	43.91 -0.31 0.00	48.13 -0.49 0.00	55.91 -0.79 0.00	71.86 -0.58 0.00	82.14 -0.58 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.30 -0.27 0.00	59.51 0.18 0.00	55.74 0.33 0.00	56.68 0.73 0.00
MILLIKEN___1 23584	48.34 0.62 0.00	45.58 0.58 0.00	43.93 0.61 0.00	43.90 0.73 0.00	44.41 0.79 0.00	46.85 0.78 0.00	56.65 1.06 0.00	57.29 1.07 0.00	51.07 0.95 0.00	43.29 0.72 0.00	43.67 0.65 0.00	43.53 0.60 0.00	43.72 0.69 0.00	44.93 0.71 0.00	49.50 0.88 0.00	57.89 1.19 0.00	74.10 1.67 0.00	84.87 2.15 0.00	83.67 1.88 0.00	74.60 1.68 0.00	67.90 1.33 0.00	60.23 0.89 0.00	56.24 0.83 0.00	56.62 0.67 0.00
MILLIKEN___2 23585	48.34 0.62 0.00	45.58 0.58 0.00	43.93 0.61 0.00	43.90 0.73 0.00	44.41 0.79 0.00	46.85 0.78 0.00	56.65 1.06 0.00	57.29 1.07 0.00	51.07 0.95 0.00	43.29 0.72 0.00	43.67 0.65 0.00	43.53 0.60 0.00	43.72 0.69 0.00	44.93 0.71 0.00	49.50 0.88 0.00	57.89 1.19 0.00	74.10 1.67 0.00	84.87 2.15 0.00	83.67 1.88 0.00	74.60 1.68 0.00	67.90 1.33 0.00	60.23 0.89 0.00	56.24 0.83 0.00	56.62 0.67 0.00
MILLIKEN___DIESEL 23629	48.34 0.62 0.00	45.58 0.58 0.00	43.93 0.61 0.00	43.90 0.73 0.00	44.41 0.79 0.00	46.85 0.78 0.00	56.65 1.06 0.00	57.29 1.07 0.00	51.07 0.95 0.00	43.29 0.72 0.00	43.67 0.65 0.00	43.53 0.60 0.00	43.72 0.69 0.00	44.93 0.71 0.00	49.50 0.88 0.00	57.89 1.19 0.00	74.10 1.67 0.00	84.87 2.15 0.00	83.67 1.88 0.00	74.60 1.68 0.00	67.90 1.33 0.00	60.23 0.89 0.00	56.24 0.83 0.00	56.62 0.67 0.00
MILLSEAT___LFGE 323607	46.86 -0.86 0.00	44.77 -0.22 0.00	43.45 0.13 0.00	43.26 0.09 0.00	43.97 0.35 0.00	46.43 0.37 0.00	55.32 -0.28 0.00	55.61 -0.62 0.00	49.77 -0.35 0.00	42.48 -0.08 0.00	43.11 0.09 0.00	43.10 0.17 0.00	43.55 0.52 0.00	44.88 0.66 0.00	49.40 0.78 0.00	57.15 0.45 0.00	72.22 -0.22 0.00	82.96 0.25 0.00	80.97 -0.82 0.00	72.26 -0.66 0.00	65.17 -1.40 0.00	57.56 -1.78 0.00	54.63 -0.78 0.00	55.39 -0.56 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	50.01 2.29 0.00	47.02 2.02 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.37 1.74 0.00	47.95 1.89 0.00	57.93 2.33 0.00	59.15 2.92 0.00	52.67 2.56 0.00	44.70 2.13 0.00	45.22 2.19 0.00	45.20 2.27 0.00	45.14 2.11 0.00	46.30 2.08 0.00	50.81 2.19 0.00	59.31 2.61 0.00	75.62 3.19 0.00	86.27 3.56 0.00	85.55 3.76 0.00	76.20 3.28 0.00	69.70 3.13 0.00	62.18 2.85 0.00	57.79 2.38 0.00	58.30 2.35 0.00
MILLWOOD_13_KV_LOAD 356217	50.16 2.43 0.00	47.15 2.16 0.00	45.27 1.95 0.00	45.07 1.90 0.00	45.50 1.88 0.00	48.05 1.98 0.00	58.10 2.50 0.00	59.26 3.04 0.00	52.77 2.66 0.00	44.78 2.21 0.00	45.30 2.28 0.00	45.29 2.36 0.00	45.27 2.24 0.00	46.43 2.21 0.00	50.95 2.33 0.00	59.48 2.78 0.00	75.84 3.40 0.00	86.52 3.80 0.00	85.80 4.01 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.96 2.55 0.00	58.42 2.46 0.00
MODEL_CITY_ENERGY 24167	45.96 -1.76 0.00	44.00 -0.99 0.00	42.63 -0.69 0.00	42.48 -0.69 0.00	43.23 -0.39 0.00	45.60 -0.46 0.00	53.93 -1.67 0.00	53.97 -2.25 0.00	48.41 -1.70 0.00	41.50 -1.06 0.00	42.12 -0.91 0.00	42.11 -0.82 0.00	42.56 -0.47 0.00	43.86 -0.36 0.00	48.23 -0.39 0.00	55.62 -1.08 0.00	69.97 -2.46 0.00	80.24 -2.48 0.00	78.19 -3.60 0.00	69.93 -2.99 0.00	62.97 -3.60 0.00	55.78 -3.56 0.00	53.03 -2.38 0.00	54.05 -1.90 0.00
MODERN_LFGE___ 323580	45.96 -1.76 0.00	44.00 -0.99 0.00	42.63 -0.69 0.00	42.48 -0.69 0.00	43.23 -0.39 0.00	45.60 -0.46 0.00	53.93 -1.67 0.00	53.97 -2.25 0.00	48.41 -1.70 0.00	41.50 -1.06 0.00	42.12 -0.91 0.00	42.11 -0.82 0.00	42.56 -0.47 0.00	43.86 -0.36 0.00	48.23 -0.39 0.00	55.62 -1.08 0.00	69.97 -2.46 0.00	80.24 -2.48 0.00	78.19 -3.60 0.00	69.93 -2.99 0.00	62.97 -3.60 0.00	55.78 -3.56 0.00	53.03 -2.38 0.00	54.05 -1.90 0.00
MOHAWK_PAPER___DRP 24187	49.58 1.86 0.00	46.70 1.71 0.00	44.88 1.56 0.00	44.72 1.55 0.00	45.10 1.48 0.00	47.63 1.57 0.00	57.43 1.83 0.00	58.14 1.91 0.00	51.72 1.60 0.00	43.80 1.23 0.00	44.31 1.29 0.00	44.17 1.24 0.00	44.23 1.20 0.00	45.50 1.28 0.00	50.03 1.41 0.00	58.35 1.64 0.00	74.39 1.96 0.00	84.87 2.15 0.00	84.08 2.29 0.00	74.89 1.97 0.00	68.50 1.93 0.00	61.23 1.90 0.00	57.13 1.72 0.00	57.80 1.85 0.00
MOHICAN___35_KV_115KV_LD 80490	51.16 3.44 0.00	48.19 3.19 0.00	46.35 3.03 0.00	46.19 3.02 0.00	46.59 2.97 0.00	49.20 3.13 0.00	59.54 3.95 0.00	60.33 4.10 0.00	53.37 3.26 0.00	44.91 2.34 0.00	45.30 2.28 0.00	45.03 2.10 0.00	45.05 2.02 0.00	46.34 2.12 0.00	51.20 2.58 0.00	59.99 3.29 0.00	77.29 4.85 0.00	88.34 5.62 0.00	87.35 5.56 0.00	77.81 4.89 0.00	71.09 4.53 0.00	63.49 4.15 0.00	59.18 3.77 0.00	59.87 3.92 0.00
MONGAUP___HYD 23641	50.06 2.34 0.00	46.97 1.98 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.45 1.83 0.00	47.95 1.89 0.00	57.98 2.39 0.00	59.03 2.81 0.00	52.32 2.20 0.00	44.14 1.58 0.00	44.49 1.46 0.00	44.34 1.41 0.00	44.37 1.34 0.00	45.59 1.37 0.00	50.18 1.56 0.00	58.80 2.10 0.00	75.48 3.04 0.00	86.44 3.73 0.00	85.79 4.01 0.00	76.49 3.57 0.00	69.76 3.20 0.00	62.24 2.91 0.00	57.79 2.38 0.00	58.30 2.35 0.00
MONTAUK___DIESEL 23721	51.94 3.63 -0.59	48.10 3.10 -0.01	46.23 2.90 -0.01	45.99 2.81 -0.01	46.33 2.70 -0.01	49.07 2.99 -0.01	58.66 3.06 -0.01	64.15 3.82 -4.11	53.33 3.21 -0.01	45.16 2.60 0.00	45.83 2.80 -0.01	45.77 2.83 -0.01	45.75 2.71 -0.01	47.69 2.92 -0.55	55.77 3.26 -3.89	72.34 4.42 -11.22	89.23 6.81 -9.98	99.74 8.35 -8.67	99.26 9.00 -8.48	98.70 8.46 -17.32	88.03 8.12 -13.34	79.75 7.54 -12.88	71.44 6.26 -9.77	62.23 6.27 -0.01
MOONROAD_115KV_HARTFLD_TB1-2 355988	45.19 -2.53 0.00	43.15 -1.84 0.00	42.02 -1.30 0.00	42.09 -1.08 0.00	43.10 -0.52 0.00	45.93 -0.14 0.00	55.65 0.06 0.00	56.45 0.22 0.00	50.66 0.55 0.00	43.59 1.02 0.00	44.14 1.12 0.00	44.13 1.20 0.00	44.66 1.64 0.00	45.99 1.77 0.00	50.57 1.94 0.00	58.57 1.87 0.00	74.03 1.59 0.00	85.03 2.32 0.00	82.61 0.82 0.00	73.36 0.44 0.00	65.57 -1.00 0.00	57.44 -1.90 0.00	53.91 -1.50 0.00	53.88 -2.07 0.00



MORRIS_RIDGE___SOLAR 323848	45.91 -1.81 0.00	43.73 -1.26 0.00	42.41 -0.91 0.00	42.39 -0.78 0.00	43.27 -0.35 0.00	45.84 -0.23 0.00	55.21 -0.39 0.00	55.72 -0.51 0.00	49.81 -0.30 0.00	42.48 -0.08 0.00	42.98 -0.04 0.00	42.97 0.04 0.00	43.42 0.39 0.00	44.79 0.57 0.00	49.35 0.73 0.00	57.38 0.68 0.00	72.80 0.36 0.00	83.54 0.83 0.00	81.71 -0.08 0.00	72.85 -0.07 0.00	65.57 -1.00 0.00	57.74 -1.60 0.00	54.30 -1.11 0.00	54.39 -1.57 0.00
MORTIMER_115KV_TB3 55949	46.91 -0.81 0.00	44.41 -0.58 0.00	43.02 -0.30 0.00	42.91 -0.26 0.00	43.40 -0.22 0.00	45.84 -0.23 0.00	55.21 -0.39 0.00	55.61 -0.62 0.00	49.76 -0.35 0.00	42.40 -0.17 0.00	43.02 0.00 0.00	42.97 0.04 0.00	43.33 0.30 0.00	44.57 0.35 0.00	49.06 0.44 0.00	56.93 0.23 0.00	72.29 -0.14 0.00	82.80 0.08 0.00	81.13 -0.65 0.00	72.34 -0.58 0.00	65.50 -1.07 0.00	58.03 -1.31 0.00	54.74 -0.66 0.00	55.17 -0.78 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.26 2.67 0.00	59.54 3.32 0.00	53.07 2.96 0.00	45.08 2.51 0.00	45.61 2.58 0.00	45.58 2.66 0.00	45.52 2.50 0.00	46.70 2.48 0.00	51.20 2.58 0.00	59.76 3.06 0.00	76.13 3.69 0.00	86.85 4.14 0.00	86.12 4.33 0.00	76.79 3.86 0.00	70.16 3.59 0.00	62.66 3.32 0.00	58.12 2.71 0.00	58.58 2.63 0.00
MUNSVILLE_WIND_PWR 323609	50.01 2.29 0.00	47.37 2.38 0.00	45.79 2.47 0.00	45.59 2.42 0.00	46.24 2.62 0.00	49.06 2.99 0.00	59.43 3.83 0.00	60.38 4.16 0.00	53.82 3.71 0.00	45.16 2.60 0.00	45.39 2.36 0.00	45.28 2.36 0.00	45.65 2.63 0.00	47.01 2.79 0.00	52.17 3.55 0.00	61.58 4.88 0.00	80.04 7.60 0.00	92.14 9.43 0.00	90.21 8.43 0.00	80.28 7.36 0.00	72.76 6.19 0.00	64.20 4.87 0.00	59.57 4.16 0.00	59.81 3.86 0.00
N SALMON___HYD 24042	46.86 -0.86 0.00	44.36 -0.63 0.00	42.76 -0.56 0.00	42.61 -0.56 0.00	43.10 -0.52 0.00	45.56 -0.51 0.00	55.37 -0.22 0.00	56.06 -0.17 0.00	50.01 -0.10 0.00	42.31 -0.25 0.00	42.94 -0.09 0.00	42.88 -0.04 0.00	43.07 0.04 0.00	44.40 0.18 0.00	49.01 0.39 0.00	57.04 0.34 0.00	73.59 1.16 0.00	84.03 1.32 0.00	83.34 1.55 0.00	74.38 1.46 0.00	67.97 1.40 0.00	60.64 1.30 0.00	56.68 1.28 0.00	57.24 1.29 0.00
N.AKRON__115KV_KNAPP 355671	46.96 -0.76 0.00	44.72 -0.27 0.00	43.41 0.09 0.00	43.30 0.13 0.00	43.93 0.31 0.00	46.30 0.23 0.00	55.26 -0.33 0.00	55.49 -0.73 0.00	49.66 -0.45 0.00	42.44 -0.13 0.00	43.07 0.04 0.00	43.05 0.13 0.00	43.50 0.47 0.00	44.84 0.62 0.00	49.35 0.73 0.00	57.04 0.34 0.00	72.00 -0.43 0.00	82.80 0.08 0.00	80.72 -1.06 0.00	72.05 -0.88 0.00	64.97 -1.60 0.00	57.44 -1.90 0.00	54.52 -0.89 0.00	55.28 -0.67 0.00
N.E_GEN_SANDY PD 24062	50.01 2.29 0.00	47.02 2.03 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.37 1.75 0.00	47.91 1.84 0.00	57.71 2.11 0.00	58.53 2.31 0.00	52.12 2.01 0.00	44.18 1.62 0.00	44.70 1.68 0.00	44.60 1.67 0.00	44.62 1.59 0.00	45.81 1.59 0.00	50.37 1.75 0.00	58.68 1.98 0.00	74.75 2.32 0.00	85.28 2.57 0.00	84.57 2.78 0.00	75.32 2.40 0.00	68.96 2.39 0.00	61.65 2.31 0.00	57.46 2.05 0.00	58.02 2.07 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	49.92 2.20 0.00	46.93 1.93 0.00	45.10 1.78 0.00	44.85 1.68 0.00	45.28 1.66 0.00	47.82 1.75 0.00	57.82 2.22 0.00	59.03 2.81 0.00	52.57 2.46 0.00	44.57 2.00 0.00	45.09 2.07 0.00	45.03 2.10 0.00	45.01 1.98 0.00	46.16 1.95 0.00	50.71 2.09 0.00	59.20 2.49 0.00	75.48 3.04 0.00	86.11 3.39 0.00	85.39 3.60 0.00	76.13 3.21 0.00	69.56 3.00 0.00	62.12 2.79 0.00	57.68 2.27 0.00	58.19 2.24 0.00
N.QUEENS_27_KV_LOAD 356247	50.20 2.48 0.00	47.15 2.16 0.00	45.31 1.99 0.00	45.20 2.03 0.00	45.41 1.79 0.00	48.00 1.93 0.00	58.10 2.50 0.00	59.48 3.26 0.00	53.07 2.96 0.00	45.21 2.64 0.00	45.78 2.75 0.00	45.86 2.92 -0.02	45.76 2.71 -0.02	46.78 2.56 0.00	51.20 2.58 0.00	59.76 3.06 0.00	75.91 3.48 0.00	86.44 3.72 0.00	85.80 4.01 0.00	76.49 3.57 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.07 2.66 0.00	58.47 2.52 0.00
N.TROY___115KV_TB1 355778	49.87 2.15 0.00	46.93 1.93 0.00	45.14 1.82 0.00	44.94 1.77 0.00	45.32 1.70 0.00	47.86 1.80 0.00	57.76 2.17 0.00	58.47 2.25 0.00	52.02 1.90 0.00	44.01 1.45 0.00	44.53 1.51 0.00	44.38 1.46 0.00	44.41 1.38 0.00	45.63 1.42 0.00	50.27 1.65 0.00	58.63 1.93 0.00	74.97 2.54 0.00	85.61 2.90 0.00	84.73 2.94 0.00	75.47 2.55 0.00	68.96 2.40 0.00	61.65 2.31 0.00	57.51 2.11 0.00	58.14 2.18 0.00
NARROWS_GT1_1 24228	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT1_2 24229	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT1_3 24230	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT1_4 24231	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT1_5 24232	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00



NARROWS_GT1_6 24233	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT1_7 24234	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT1_8 24235	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT2_1 24236	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT2_2 24237	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT2_3 24238	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT2_4 24239	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT2_5 24240	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT2_6 24241	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT2_7 24242	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NARROWS_GT2_8 24243	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	50.11 2.39 0.00	47.20 2.20 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.67 2.05 0.00	48.14 2.07 0.00	58.21 2.61 0.00	58.98 2.75 0.00	52.07 1.95 0.00	43.80 1.23 0.00	44.06 1.03 0.00	43.83 0.90 0.00	43.89 0.86 0.00	45.24 1.02 0.00	49.88 1.26 0.00	58.46 1.76 0.00	75.26 2.82 0.00	86.19 3.47 0.00	85.47 3.68 0.00	76.20 3.28 0.00	69.36 2.80 0.00	62.12 2.79 0.00	57.85 2.44 0.00	58.53 2.57 0.00
NCHELSEA_115KV_TR2 355582	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.67 2.05 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.48 3.26 0.00	52.87 2.76 0.00	44.74 2.17 0.00	45.17 2.15 0.00	45.07 2.15 0.00	45.10 2.07 0.00	46.34 2.12 0.00	50.91 2.29 0.00	59.54 2.84 0.00	76.13 3.69 0.00	86.85 4.14 0.00	86.12 4.33 0.00	76.79 3.86 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.12 2.71 0.00	58.64 2.69 0.00
NEG CAPITAL____MECHNVIL 23645	50.58 2.86 0.00	47.65 2.65 0.00	45.79 2.47 0.00	45.63 2.46 0.00	46.02 2.40 0.00	48.60 2.53 0.00	58.71 3.11 0.00	59.37 3.15 0.00	52.67 2.55 0.00	44.48 1.92 0.00	44.91 1.89 0.00	44.73 1.80 0.00	44.75 1.72 0.00	46.08 1.86 0.00	50.81 2.19 0.00	59.42 2.72 0.00	76.27 3.84 0.00	87.10 4.38 0.00	86.12 4.33 0.00	76.71 3.79 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.34 2.93 0.00	58.97 3.02 0.00
NEG CENTRAL_HIGH_ACRES 23767	46.05 -1.67 0.00	43.64 -1.35 0.00	42.20 -1.13 0.00	42.09 -1.08 0.00	42.57 -1.05 0.00	45.01 -1.06 0.00	54.21 -1.39 0.00	54.71 -1.52 0.00	48.91 -1.20 0.00	41.67 -0.90 0.00	42.29 -0.73 0.00	42.19 -0.73 0.00	42.52 -0.51 0.00	43.73 -0.49 0.00	48.09 -0.53 0.00	55.91 -0.79 0.00	71.13 -1.30 0.00	81.39 -1.33 0.00	79.75 -2.04 0.00	71.10 -1.82 0.00	64.50 -2.06 0.00	57.14 -2.19 0.00	53.80 -1.61 0.00	54.22 -1.73 0.00



NEG CENTRAL___DRP 24199	47.43 -0.29 0.00	44.72 -0.27 0.00	43.19 -0.13 0.00	43.13 -0.04 0.00	43.58 -0.04 0.00	46.02 -0.05 0.00	55.54 -0.06 0.00	56.05 -0.17 0.00	50.01 -0.10 0.00	42.57 0.00 0.00	43.07 0.04 0.00	42.92 0.00 0.00	43.16 0.13 0.00	44.35 0.13 0.00	48.77 0.15 0.00	56.87 0.17 0.00	72.58 0.14 0.00	83.05 0.33 0.00	81.71 -0.08 0.00	72.85 -0.07 0.00	66.23 -0.33 0.00	58.74 -0.59 0.00	55.02 -0.39 0.00	55.45 -0.50 0.00
NEG CENTRAL___INDECK 23768	47.82 0.10 0.00	45.49 0.50 0.00	44.06 0.74 0.00	44.03 0.86 0.00	44.71 1.09 0.00	47.31 1.24 0.00	57.21 1.61 0.00	57.86 1.63 0.00	51.57 1.45 0.00	43.67 1.10 0.00	44.10 1.08 0.00	43.95 1.03 0.00	44.37 1.34 0.00	45.72 1.50 0.00	50.37 1.75 0.00	58.80 2.10 0.00	75.19 2.75 0.00	86.77 4.05 0.00	85.06 3.27 0.00	75.76 2.84 0.00	68.43 1.86 0.00	60.23 0.89 0.00	56.68 1.28 0.00	56.85 0.89 0.00
NEG CENTRAL___SENECA 23627	47.29 -0.43 0.00	44.68 -0.31 0.00	43.15 -0.17 0.00	43.08 -0.09 0.00	43.58 -0.04 0.00	45.97 -0.09 0.00	55.54 -0.06 0.00	56.00 -0.22 0.00	50.06 -0.05 0.00	42.61 0.04 0.00	43.15 0.13 0.00	43.01 0.09 0.00	43.29 0.26 0.00	44.48 0.27 0.00	48.96 0.34 0.00	57.04 0.34 0.00	72.65 0.22 0.00	83.21 0.50 0.00	81.71 -0.08 0.00	72.85 -0.07 0.00	66.17 -0.40 0.00	58.62 -0.71 0.00	55.02 -0.39 0.00	55.45 -0.50 0.00
NEG CENTRAL___STATE_STREET 24147	47.67 -0.05 0.00	44.95 -0.04 0.00	43.32 0.00 0.00	43.26 0.09 0.00	43.75 0.13 0.00	46.16 0.09 0.00	55.82 0.22 0.00	56.28 0.06 0.00	50.21 0.10 0.00	42.70 0.13 0.00	43.15 0.13 0.00	43.01 0.09 0.00	43.20 0.17 0.00	44.35 0.13 0.00	48.77 0.15 0.00	56.98 0.28 0.00	72.87 0.43 0.00	83.46 0.74 0.00	82.20 0.41 0.00	73.29 0.36 0.00	66.70 0.13 0.00	59.16 -0.18 0.00	55.30 -0.11 0.00	55.67 -0.28 0.00
NEG MILLWOOD___DRP 24198	50.58 2.86 0.00	47.51 2.52 0.00	45.62 2.30 0.00	45.37 2.20 0.00	45.89 2.27 0.00	48.32 2.26 0.00	58.54 2.95 0.00	59.71 3.49 0.00	53.07 2.96 0.00	44.95 2.38 0.00	45.48 2.45 0.00	45.41 2.49 0.00	45.44 2.41 0.00	46.61 2.39 0.00	51.29 2.67 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.26 4.55 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.36 3.79 0.00	62.78 3.44 0.00	58.34 2.94 0.00	58.86 2.91 0.00
NEG NORTH_FLCN_SEA 23793	46.62 -1.10 0.00	44.09 -0.90 0.00	42.50 -0.82 0.00	42.35 -0.82 0.00	42.84 -0.79 0.00	45.33 -0.74 0.00	55.04 -0.56 0.00	55.72 -0.51 0.00	49.71 -0.40 0.00	42.14 -0.43 0.00	42.77 -0.26 0.00	42.75 -0.17 0.00	42.99 -0.04 0.00	44.31 0.09 0.00	49.01 0.39 0.00	57.15 0.45 0.00	73.59 1.16 0.00	84.12 1.41 0.00	83.34 1.55 0.00	74.38 1.46 0.00	67.96 1.40 0.00	60.58 1.25 0.00	56.63 1.22 0.00	57.18 1.23 0.00
NEG NORTH_KES_CHATEGAY 23792	46.29 -1.43 0.00	43.73 -1.26 0.00	42.15 -1.17 0.00	42.00 -1.17 0.00	42.49 -1.13 0.00	44.96 -1.11 0.00	54.54 -1.06 0.00	55.27 -0.96 0.00	49.26 -0.85 0.00	41.76 -0.81 0.00	42.34 -0.69 0.00	42.32 -0.60 0.00	42.51 -0.52 0.00	43.82 -0.40 0.00	48.47 -0.15 0.00	56.53 -0.17 0.00	72.87 0.43 0.00	83.38 0.66 0.00	82.61 0.82 0.00	73.80 0.88 0.00	67.37 0.80 0.00	60.11 0.77 0.00	56.13 0.72 0.00	56.68 0.73 0.00
NEG NORTH___ALICE_FALLS 23915	46.72 -1.00 0.00	44.18 -0.81 0.00	42.59 -0.74 0.00	42.44 -0.73 0.00	42.97 -0.65 0.00	45.42 -0.64 0.00	55.21 -0.39 0.00	55.89 -0.34 0.00	49.86 -0.25 0.00	42.23 -0.34 0.00	42.85 -0.17 0.00	42.84 -0.09 0.00	43.03 0.00 0.00	44.40 0.18 0.00	49.11 0.49 0.00	57.21 0.51 0.00	73.81 1.38 0.00	84.45 1.74 0.00	83.67 1.88 0.00	74.67 1.75 0.00	68.23 1.66 0.00	60.76 1.42 0.00	56.79 1.39 0.00	57.35 1.40 0.00
NEG NORTH___LWR_SARANAC 23913	46.72 -1.00 0.00	44.18 -0.81 0.00	42.59 -0.74 0.00	42.44 -0.73 0.00	42.97 -0.65 0.00	45.42 -0.64 0.00	55.21 -0.39 0.00	55.89 -0.34 0.00	49.86 -0.25 0.00	42.23 -0.34 0.00	42.85 -0.17 0.00	42.84 -0.09 0.00	43.03 0.00 0.00	44.40 0.18 0.00	49.11 0.49 0.00	57.21 0.51 0.00	73.81 1.38 0.00	84.45 1.74 0.00	83.67 1.88 0.00	74.67 1.75 0.00	68.23 1.66 0.00	60.76 1.42 0.00	56.79 1.39 0.00	57.35 1.40 0.00
NEG NORTH___PLATTSBURG 23628	46.77 -0.95 0.00	44.23 -0.77 0.00	42.63 -0.69 0.00	42.48 -0.69 0.00	42.97 -0.65 0.00	45.42 -0.64 0.00	55.21 -0.39 0.00	55.89 -0.34 0.00	49.86 -0.25 0.00	42.23 -0.34 0.00	42.85 -0.17 0.00	42.84 -0.09 0.00	43.03 0.00 0.00	44.40 0.18 0.00	49.11 0.49 0.00	57.21 0.51 0.00	73.81 1.37 0.00	84.46 1.74 0.00	83.67 1.88 0.00	74.67 1.75 0.00	68.23 1.66 0.00	60.76 1.42 0.00	56.79 1.39 0.00	57.35 1.40 0.00
NEG WEST_LEA_LOCKPORT 23791	46.29 -1.43 0.00	44.14 -0.85 0.00	42.76 -0.56 0.00	42.70 -0.47 0.00	43.36 -0.26 0.00	45.70 -0.37 0.00	54.43 -1.17 0.00	54.59 -1.63 0.00	48.91 -1.20 0.00	41.93 -0.64 0.00	42.55 -0.47 0.00	42.54 -0.39 0.00	43.03 0.00 0.00	44.31 0.09 0.00	48.72 0.10 0.00	56.25 -0.45 0.00	70.70 -1.74 0.00	81.14 -1.57 0.00	79.09 -2.70 0.00	70.73 -2.19 0.00	63.70 -2.86 0.00	56.43 -2.91 0.00	53.58 -1.83 0.00	54.39 -1.57 0.00
NEG WEST___LANCASTR 23811	46.43 -1.29 0.00	44.14 -0.85 0.00	42.76 -0.56 0.00	42.70 -0.47 0.00	43.40 -0.22 0.00	45.93 -0.14 0.00	55.21 -0.39 0.00	55.49 -0.73 0.00	49.66 -0.45 0.00	42.61 0.04 0.00	43.11 0.09 0.00	43.14 0.21 0.00	43.59 0.56 0.00	44.88 0.66 0.00	49.35 0.73 0.00	57.10 0.40 0.00	72.07 -0.36 0.00	82.72 0.00 0.00	80.72 -1.06 0.00	72.05 -0.88 0.00	64.90 -1.66 0.00	57.32 -2.02 0.00	54.19 -1.22 0.00	54.78 -1.18 0.00
NEG_PENN_ALLEGHNY 23528	47.72 0.00 0.00	45.08 0.09 0.00	43.45 0.13 0.00	43.39 0.22 0.00	43.88 0.26 0.00	46.34 0.28 0.00	55.99 0.39 0.00	56.62 0.40 0.00	50.51 0.40 0.00	42.99 0.43 0.00	43.45 0.43 0.00	43.31 0.39 0.00	43.50 0.47 0.00	44.71 0.49 0.00	49.21 0.59 0.00	57.38 0.68 0.00	73.16 0.72 0.00	83.63 0.91 0.00	82.36 0.58 0.00	73.50 0.58 0.00	66.83 0.27 0.00	59.34 0.00 0.00	55.46 0.06 0.00	55.95 0.00 0.00
NEG___GEN_MONROE 24207	47.15 -0.57 0.00	44.72 -0.27 0.00	43.37 0.04 0.00	43.30 0.13 0.00	43.80 0.17 0.00	46.20 0.14 0.00	55.48 -0.11 0.00	55.72 -0.51 0.00	49.86 -0.25 0.00	42.52 -0.04 0.00	43.11 0.09 0.00	43.05 0.13 0.00	43.42 0.39 0.00	44.71 0.49 0.00	49.20 0.58 0.00	57.04 0.34 0.00	72.29 -0.14 0.00	82.88 0.17 0.00	81.13 -0.65 0.00	72.34 -0.58 0.00	65.50 -1.07 0.00	57.97 -1.36 0.00	54.80 -0.61 0.00	55.45 -0.50 0.00
NEPA___ENERGY 23901	46.15 -1.57 0.00	43.87 -1.12 0.00	42.54 -0.78 0.00	42.48 -0.69 0.00	43.23 -0.39 0.00	45.74 -0.32 0.00	55.09 -0.50 0.00	55.49 -0.73 0.00	49.71 -0.40 0.00	42.61 0.04 0.00	43.15 0.13 0.00	43.14 0.21 0.00	43.55 0.52 0.00	44.84 0.62 0.00	49.35 0.73 0.00	57.10 0.40 0.00	72.15 -0.29 0.00	82.80 0.08 0.00	80.72 -1.06 0.00	72.05 -0.88 0.00	64.84 -1.73 0.00	57.20 -2.14 0.00	53.97 -1.44 0.00	54.39 -1.57 0.00



NEVERSINK___HYD 23608	50.34 2.62 0.00	47.28 2.29 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.76 2.14 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.48 3.26 0.00	52.87 2.75 0.00	44.61 2.04 0.00	44.96 1.94 0.00	44.86 1.93 0.00	44.88 1.85 0.00	46.12 1.90 0.00	50.76 2.14 0.00	59.42 2.72 0.00	76.27 3.84 0.00	87.26 4.55 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.23 2.82 0.00	58.69 2.74 0.00
NEWKRMKL_115KV_TB1 55635	49.30 1.57 0.00	46.48 1.48 0.00	44.66 1.34 0.00	44.51 1.34 0.00	44.89 1.27 0.00	47.36 1.29 0.00	57.10 1.50 0.00	57.80 1.57 0.00	51.47 1.35 0.00	43.63 1.06 0.00	44.14 1.12 0.00	44.00 1.07 0.00	44.06 1.03 0.00	45.32 1.11 0.00	49.79 1.17 0.00	57.95 1.25 0.00	73.81 1.38 0.00	84.20 1.49 0.00	83.34 1.55 0.00	74.31 1.39 0.00	67.90 1.33 0.00	60.82 1.48 0.00	56.79 1.39 0.00	57.46 1.51 0.00
NEWTON___FALLS_HYD 23847	47.24 -0.48 0.00	44.68 -0.31 0.00	43.02 -0.30 0.00	42.78 -0.39 0.00	43.36 -0.26 0.00	45.47 -0.60 0.00	54.93 -0.67 0.00	55.72 -0.51 0.00	49.56 -0.55 0.00	41.80 -0.77 0.00	42.42 -0.60 0.00	42.24 -0.69 0.00	42.38 -0.65 0.00	43.47 -0.75 0.00	47.79 -0.83 0.00	55.85 -0.85 0.00	71.71 -0.72 0.00	82.30 -0.41 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.23 -0.33 0.00	59.81 0.47 0.00	55.85 0.44 0.00	56.62 0.67 0.00
NGRID_A1_DSASP 323792	45.29 -2.43 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.62 -1.55 0.00	42.27 -1.35 0.00	44.59 -1.47 0.00	53.37 -2.22 0.00	53.52 -2.70 0.00	48.01 -2.10 0.00	41.21 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.18 -3.26 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.79 0.00	62.37 -4.19 0.00	55.30 -4.03 0.00	52.58 -2.83 0.00	53.10 -2.85 0.00
NGRID_A2_DSASP 323793	45.29 -2.43 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.62 -1.55 0.00	42.27 -1.35 0.00	44.59 -1.47 0.00	53.37 -2.22 0.00	53.52 -2.70 0.00	48.01 -2.10 0.00	41.21 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.18 -3.26 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.79 0.00	62.37 -4.19 0.00	55.30 -4.03 0.00	52.58 -2.83 0.00	53.10 -2.85 0.00
NGRID_A4_DSASP 323807	45.29 -2.43 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.62 -1.55 0.00	42.27 -1.35 0.00	44.59 -1.47 0.00	53.37 -2.22 0.00	53.52 -2.70 0.00	48.01 -2.10 0.00	41.21 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.18 -3.26 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.79 0.00	62.37 -4.19 0.00	55.30 -4.03 0.00	52.58 -2.83 0.00	53.10 -2.85 0.00
NIAGARA_115E_LBMP 323715	45.86 -1.86 0.00	43.91 -1.08 0.00	42.54 -0.78 0.00	42.35 -0.82 0.00	43.14 -0.48 0.00	45.47 -0.60 0.00	53.65 -1.95 0.00	53.69 -2.53 0.00	48.11 -2.01 0.00	41.25 -1.32 0.00	41.90 -1.12 0.00	41.89 -1.03 0.00	42.34 -0.69 0.00	43.64 -0.58 0.00	47.99 -0.63 0.00	55.34 -1.36 0.00	69.54 -2.90 0.00	79.74 -2.97 0.00	77.70 -4.09 0.00	69.49 -3.43 0.00	62.57 -3.99 0.00	55.48 -3.86 0.00	52.75 -2.66 0.00	53.83 -2.13 0.00
NIAGARA_115W_LBMP 323714	45.05 -2.67 0.00	42.92 -2.07 0.00	41.59 -1.73 0.00	41.44 -1.73 0.00	42.14 -1.48 0.00	44.55 -1.52 0.00	53.21 -2.39 0.00	53.41 -2.81 0.00	47.86 -2.25 0.00	41.08 -1.49 0.00	41.69 -1.33 0.00	41.68 -1.25 0.00	42.12 -0.91 0.00	43.42 -0.79 0.00	47.75 -0.87 0.00	55.00 -1.70 0.00	69.03 -3.40 0.00	79.08 -3.64 0.00	77.13 -4.66 0.00	68.98 -3.94 0.00	62.17 -4.40 0.00	55.18 -4.16 0.00	52.47 -2.94 0.00	52.99 -2.97 0.00
NIAGARA_230_LBMP 323716	45.72 -2.00 0.00	43.60 -1.40 0.00	42.24 -1.08 0.00	42.05 -1.12 0.00	42.79 -0.83 0.00	45.24 -0.83 0.00	53.98 -1.61 0.00	54.14 -2.08 0.00	48.56 -1.55 0.00	41.63 -0.94 0.00	42.25 -0.77 0.00	42.24 -0.69 0.00	42.68 -0.35 0.00	43.96 -0.26 0.00	48.33 -0.29 0.00	55.74 -0.96 0.00	70.12 -2.32 0.00	80.31 -2.40 0.00	78.27 -3.51 0.00	70.00 -2.92 0.00	63.10 -3.46 0.00	55.96 -3.38 0.00	53.19 -2.22 0.00	53.77 -2.18 0.00
NIAGARA___115KV_198_GIBSON 55903	45.14 -2.58 0.00	42.97 -2.02 0.00	41.59 -1.73 0.00	41.53 -1.64 0.00	42.14 -1.48 0.00	44.50 -1.57 0.00	53.26 -2.33 0.00	53.41 -2.81 0.00	47.86 -2.26 0.00	41.08 -1.49 0.00	41.69 -1.33 0.00	41.68 -1.24 0.00	42.13 -0.90 0.00	43.42 -0.80 0.00	47.75 -0.88 0.00	55.00 -1.70 0.00	68.96 -3.48 0.00	79.08 -3.64 0.00	77.13 -4.66 0.00	68.98 -3.94 0.00	62.17 -4.39 0.00	55.18 -4.15 0.00	52.47 -2.94 0.00	52.99 -2.97 0.00
NIAGARA____ 23760	45.72 -2.00 0.00	43.60 -1.40 0.00	42.24 -1.08 0.00	42.05 -1.12 0.00	42.79 -0.83 0.00	45.24 -0.83 0.00	53.98 -1.61 0.00	54.14 -2.08 0.00	48.56 -1.55 0.00	41.63 -0.94 0.00	42.25 -0.77 0.00	42.24 -0.69 0.00	42.68 -0.35 0.00	43.96 -0.26 0.00	48.33 -0.29 0.00	55.74 -0.96 0.00	70.12 -2.32 0.00	80.31 -2.40 0.00	78.27 -3.51 0.00	70.00 -2.92 0.00	63.10 -3.46 0.00	55.96 -3.38 0.00	53.19 -2.22 0.00	53.77 -2.18 0.00
NINE_MILE_1 23575	46.29 -1.43 0.00	43.69 -1.31 0.00	42.11 -1.21 0.00	41.96 -1.21 0.00	42.45 -1.18 0.00	44.78 -1.29 0.00	53.98 -1.61 0.00	54.37 -1.85 0.00	48.51 -1.61 0.00	41.33 -1.24 0.00	41.73 -1.29 0.00	41.59 -1.33 0.00	41.74 -1.29 0.00	42.89 -1.33 0.00	47.11 -1.51 0.00	54.94 -1.76 0.00	70.05 -2.39 0.00	80.07 -2.65 0.00	79.01 -2.78 0.00	70.44 -2.48 0.00	64.23 -2.33 0.00	57.14 -2.19 0.00	53.47 -1.94 0.00	53.94 -2.01 0.00
NINE_MILE_2 23744	46.29 -1.43 0.00	43.69 -1.31 0.00	42.11 -1.21 0.00	41.96 -1.21 0.00	42.45 -1.18 0.00	44.78 -1.29 0.00	54.04 -1.56 0.00	54.37 -1.85 0.00	48.51 -1.61 0.00	41.33 -1.24 0.00	41.73 -1.29 0.00	41.59 -1.33 0.00	41.74 -1.29 0.00	42.89 -1.33 0.00	47.11 -1.51 0.00	54.94 -1.76 0.00	70.12 -2.32 0.00	80.07 -2.65 0.00	79.01 -2.78 0.00	70.44 -2.48 0.00	64.23 -2.33 0.00	57.14 -2.19 0.00	53.47 -1.94 0.00	53.94 -2.01 0.00
NM_CAPITAL___DRP 24208	49.34 1.62 0.00	46.48 1.48 0.00	44.71 1.39 0.00	44.51 1.34 0.00	44.89 1.27 0.00	47.36 1.29 0.00	57.10 1.50 0.00	57.85 1.63 0.00	51.47 1.35 0.00	43.63 1.06 0.00	44.19 1.16 0.00	44.04 1.12 0.00	44.06 1.03 0.00	45.32 1.11 0.00	49.84 1.22 0.00	58.01 1.30 0.00	73.88 1.45 0.00	84.29 1.57 0.00	83.42 1.64 0.00	74.38 1.46 0.00	67.96 1.40 0.00	60.88 1.54 0.00	56.79 1.39 0.00	57.46 1.51 0.00
NM_CENTRAL___DRP 24181	47.29 -0.43 0.00	44.59 -0.40 0.00	42.93 -0.39 0.00	42.87 -0.30 0.00	43.32 -0.31 0.00	45.74 -0.32 0.00	55.15 -0.44 0.00	55.55 -0.67 0.00	49.61 -0.50 0.00	42.23 -0.34 0.00	42.68 -0.34 0.00	42.54 -0.39 0.00	42.69 -0.34 0.00	43.82 -0.40 0.00	48.18 -0.44 0.00	56.19 -0.51 0.00	71.71 -0.72 0.00	81.97 -0.74 0.00	80.81 -0.98 0.00	72.05 -0.88 0.00	65.63 -0.93 0.00	58.39 -0.95 0.00	54.58 -0.83 0.00	55.00 -0.95 0.00



NM_FRONTIER___DRP 24179	45.14 -2.58 0.00	42.97 -2.02 0.00	41.59 -1.73 0.00	41.53 -1.64 0.00	42.14 -1.48 0.00	44.50 -1.57 0.00	53.26 -2.33 0.00	53.41 -2.81 0.00	47.86 -2.26 0.00	41.08 -1.49 0.00	41.69 -1.33 0.00	41.68 -1.24 0.00	42.13 -0.90 0.00	43.42 -0.80 0.00	47.75 -0.88 0.00	55.00 -1.70 0.00	68.96 -3.48 0.00	79.08 -3.64 0.00	77.13 -4.66 0.00	68.98 -3.94 0.00	62.17 -4.39 0.00	55.18 -4.15 0.00	52.47 -2.94 0.00	52.99 -2.97 0.00
NM_ST_REGIS___HYD 24053	47.10 -0.62 0.00	44.63 -0.36 0.00	43.02 -0.30 0.00	42.83 -0.35 0.00	43.32 -0.31 0.00	45.60 -0.46 0.00	55.37 -0.22 0.00	56.00 -0.22 0.00	49.86 -0.25 0.00	42.14 -0.43 0.00	42.72 -0.30 0.00	42.62 -0.30 0.00	42.77 -0.26 0.00	44.04 -0.18 0.00	48.38 -0.24 0.00	56.19 -0.51 0.00	72.29 -0.14 0.00	82.72 0.00 0.00	81.87 0.08 0.00	73.14 0.22 0.00	66.77 0.20 0.00	59.87 0.53 0.00	56.02 0.61 0.00	56.85 0.90 0.00
NORTHPORT___1 23551	51.74 3.44 -0.58	47.97 2.97 -0.01	46.11 2.78 -0.01	45.94 2.77 -0.01	46.34 2.71 -0.01	49.03 2.95 -0.01	59.16 3.56 -0.01	64.44 4.16 -4.06	53.68 3.56 -0.01	45.50 2.93 0.00	45.92 2.88 -0.01	45.85 2.92 -0.01	45.83 2.80 -0.01	47.59 2.83 -0.54	55.53 3.06 -3.85	71.64 3.86 -11.09	87.44 5.14 -9.86	96.78 5.54 -8.53	96.02 5.89 -8.34	95.17 5.18 -17.07	84.77 5.06 -13.14	76.35 4.33 -12.68	68.55 3.49 -9.65	59.43 3.47 -0.01
NORTHPORT___2 23552	51.74 3.44 -0.58	47.97 2.97 -0.01	46.11 2.78 -0.01	45.94 2.77 -0.01	46.34 2.71 -0.01	49.03 2.95 -0.01	59.16 3.56 -0.01	64.44 4.16 -4.06	53.68 3.56 -0.01	45.50 2.93 0.00	45.92 2.88 -0.01	45.85 2.92 -0.01	45.83 2.80 -0.01	47.59 2.83 -0.54	55.53 3.06 -3.85	71.64 3.86 -11.09	87.44 5.14 -9.86	96.78 5.54 -8.53	96.02 5.89 -8.34	95.17 5.18 -17.07	84.77 5.06 -13.14	76.35 4.33 -12.68	68.55 3.49 -9.65	59.43 3.47 -0.01
NORTHPORT___3 23553	51.60 3.29 -0.59	47.84 2.84 -0.01	45.97 2.64 -0.01	45.81 2.63 -0.01	46.20 2.57 -0.01	48.88 2.81 -0.01	59.00 3.39 -0.01	64.24 3.93 -4.08	53.53 3.41 -0.01	45.38 2.81 0.00	45.83 2.79 -0.01	45.77 2.83 -0.01	45.71 2.67 -0.01	47.46 2.70 -0.55	55.40 2.92 -3.87	71.53 3.68 -11.14	87.28 4.93 -9.92	96.50 5.21 -8.57	95.74 5.56 -8.38	94.97 4.89 -17.16	84.63 4.86 -13.21	76.24 4.15 -12.75	68.44 3.32 -9.70	59.21 3.24 -0.01
NORTHPORT___4 23650	51.60 3.29 -0.59	47.84 2.84 -0.01	45.97 2.64 -0.01	45.81 2.63 -0.01	46.20 2.57 -0.01	48.88 2.81 -0.01	59.00 3.39 -0.01	64.24 3.93 -4.08	53.53 3.41 -0.01	45.38 2.81 0.00	45.83 2.79 -0.01	45.77 2.83 -0.01	45.71 2.67 -0.01	47.46 2.70 -0.55	55.40 2.92 -3.87	71.53 3.68 -11.14	87.28 4.93 -9.92	96.50 5.21 -8.57	95.74 5.56 -8.38	94.97 4.89 -17.16	84.63 4.86 -13.21	76.24 4.15 -12.75	68.44 3.32 -9.70	59.21 3.24 -0.01
NORTHPORT___IC 23718	51.55 3.25 -0.58	47.83 2.83 -0.01	45.97 2.64 -0.01	45.77 2.59 -0.01	46.20 2.57 -0.01	48.88 2.81 -0.01	59.11 3.50 -0.01	64.44 4.16 -4.06	53.68 3.56 -0.01	45.50 2.94 0.00	45.92 2.88 -0.01	45.85 2.92 -0.01	45.84 2.80 -0.01	47.59 2.83 -0.54	55.53 3.06 -3.85	71.64 3.86 -11.09	87.44 5.14 -9.86	96.78 5.54 -8.53	96.02 5.89 -8.34	95.17 5.18 -17.07	84.77 5.06 -13.14	76.59 4.57 -12.68	68.55 3.49 -9.65	59.43 3.47 -0.01
NORTH___COUNTRY_ESR 323785	46.15 -1.57 0.00	43.64 -1.35 0.00	42.06 -1.26 0.00	41.92 -1.25 0.00	42.40 -1.22 0.00	44.82 -1.24 0.00	54.37 -1.22 0.00	55.10 -1.12 0.00	49.16 -0.95 0.00	41.72 -0.85 0.00	42.33 -0.69 0.00	42.32 -0.60 0.00	42.52 -0.51 0.00	43.82 -0.40 0.00	48.43 -0.19 0.00	56.48 -0.23 0.00	72.73 0.29 0.00	83.13 0.42 0.00	82.36 0.58 0.00	73.50 0.58 0.00	67.16 0.60 0.00	59.93 0.59 0.00	55.96 0.55 0.00	56.51 0.56 0.00
NPX_GEN_1385_PROXY 323591	52.55 4.25 -0.58	48.73 3.73 -0.01	46.67 3.34 -0.01	46.50 3.32 -0.01	46.94 3.31 -0.01	50.08 4.01 -0.01	80.70 4.89 -20.21	65.68 5.40 -4.06	54.63 4.51 -0.01	45.50 2.93 0.00	45.79 2.76 -0.01	45.89 2.96 -0.01	45.83 2.80 -0.01	47.95 3.19 -0.54	56.21 3.74 -3.85	73.00 5.21 -11.09	89.70 6.89 -10.38	104.13 7.53 -13.89	100.11 7.77 -10.55	96.34 6.34 -17.07	86.10 6.39 -13.14	77.36 5.34 -12.68	68.88 3.82 -9.65	60.04 4.08 -0.01
NPX_GEN_CSC 323557	52.32 4.01 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.37 3.19 -0.01	46.73 3.10 -0.01	49.48 3.41 -0.01	59.61 4.01 -0.01	64.99 4.66 -4.11	54.03 3.91 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.19 3.26 -0.01	46.18 3.14 -0.01	47.99 3.23 -0.55	55.96 3.45 -3.89	72.39 4.48 -11.21	88.79 6.38 -9.98	98.74 7.36 -8.66	97.87 7.61 -8.48	97.01 6.78 -17.31	86.43 6.53 -13.33	77.78 5.58 -12.87	69.83 4.65 -9.76	60.49 4.53 -0.01
NSINS_S_GLNS_FALLS 23858	51.16 3.44 0.00	48.19 3.19 0.00	46.31 2.99 0.00	46.19 3.02 0.00	46.59 2.97 0.00	49.20 3.13 0.00	59.54 3.95 0.00	60.27 4.05 0.00	53.37 3.26 0.00	44.95 2.38 0.00	45.30 2.28 0.00	45.03 2.10 0.00	45.10 2.07 0.00	46.39 2.17 0.00	51.20 2.58 0.00	59.99 3.29 0.00	77.29 4.85 0.00	88.34 5.62 0.00	87.27 5.48 0.00	77.73 4.81 0.00	71.09 4.53 0.00	63.43 4.09 0.00	59.18 3.77 0.00	59.87 3.92 0.00
NUCOR_STEEL___DRP 24197	47.77 0.05 0.00	45.08 0.09 0.00	43.45 0.13 0.00	43.39 0.22 0.00	43.88 0.26 0.00	46.30 0.23 0.00	55.93 0.33 0.00	56.39 0.17 0.00	50.31 0.20 0.00	42.78 0.21 0.00	43.24 0.22 0.00	43.10 0.17 0.00	43.29 0.26 0.00	44.44 0.22 0.00	48.86 0.24 0.00	57.10 0.40 0.00	72.87 0.43 0.00	83.38 0.66 0.00	82.20 0.41 0.00	73.21 0.29 0.00	66.70 0.13 0.00	59.22 -0.12 0.00	55.35 -0.06 0.00	55.79 -0.17 0.00
NUMBER_THREE_WT_PWR 323818	47.48 -0.24 0.00	44.90 -0.09 0.00	43.28 -0.04 0.00	43.00 -0.17 0.00	43.49 -0.13 0.00	45.88 -0.18 0.00	55.32 -0.28 0.00	56.28 0.06 0.00	50.11 0.00 0.00	42.27 -0.30 0.00	42.68 -0.35 0.00	42.41 -0.51 0.00	42.47 -0.56 0.00	43.38 -0.84 0.00	47.84 -0.78 0.00	56.48 -0.23 0.00	72.80 0.36 0.00	83.79 1.07 0.00	82.77 0.98 0.00	73.80 0.88 0.00	67.37 0.80 0.00	60.64 1.30 0.00	56.52 1.11 0.00	57.07 1.12 0.00
NYISO_LBMP_REFERENCE 24008	47.72 0.00 0.00	44.99 0.00 0.00	43.32 0.00 0.00	43.17 0.00 0.00	43.62 0.00 0.00	46.07 0.00 0.00	55.59 0.00 0.00	56.22 0.00 0.00	50.11 0.00 0.00	42.57 0.00 0.00	43.02 0.00 0.00	42.92 0.00 0.00	43.03 0.00 0.00	44.22 0.00 0.00	48.62 0.00 0.00	56.70 0.00 0.00	72.44 0.00 0.00	82.72 0.00 0.00	81.79 0.00 0.00	72.92 0.00 0.00	66.57 0.00 0.00	59.34 0.00 0.00	55.41 0.00 0.00	55.95 0.00 0.00
NYPA_BRENTWD____GT 24164	52.58 4.25 -0.61	48.69 3.69 -0.01	46.80 3.47 -0.01	46.59 3.41 -0.01	46.99 3.36 -0.01	49.71 3.64 -0.01	59.99 4.39 -0.01	65.47 5.00 -4.25	54.43 4.31 -0.01	46.06 3.49 0.00	46.52 3.48 -0.01	46.45 3.52 -0.01	46.40 3.36 -0.01	48.24 3.45 -0.57	56.39 3.74 -4.03	72.96 4.65 -11.60	89.14 6.38 -10.33	98.10 6.46 -8.93	97.14 6.62 -8.73	96.49 5.69 -17.88	85.65 5.33 -13.76	77.78 5.16 -13.28	69.89 4.38 -10.10	60.27 4.31 -0.01



NYPA_GOWANUS____GT5 24156	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NYPA_GOWANUS____GT6 24157	50.73 3.01 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.71 2.09 0.00	48.32 2.26 0.00	58.43 2.83 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.49 4.05 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NYPA_HARLEM__RVR__GT1 24160	50.38 2.67 0.01	47.23 2.25 0.01	45.53 2.21 0.00	45.33 2.16 0.00	45.58 1.96 0.01	48.08 2.02 0.01	58.15 2.56 0.01	59.36 3.15 0.01	52.96 2.85 0.01	45.12 2.55 0.00	45.66 2.62 -0.01	45.68 2.75 -0.01	45.62 2.58 -0.01	46.69 2.47 0.00	51.09 2.48 0.01	59.70 3.00 0.01	75.83 3.41 0.01	86.34 3.64 0.01	85.62 3.84 0.01	76.41 3.50 0.01	70.02 3.46 0.01	62.53 3.20 0.01	58.00 2.60 0.01	58.40 2.46 0.01
NYPA_HARLEM__RVR__GT2 24161	50.38 2.67 0.01	47.23 2.25 0.01	45.53 2.21 0.00	45.33 2.16 0.00	45.58 1.96 0.01	48.08 2.02 0.01	58.15 2.56 0.01	59.36 3.15 0.01	52.96 2.85 0.01	45.12 2.55 0.00	45.66 2.62 -0.01	45.68 2.75 -0.01	45.62 2.58 -0.01	46.69 2.47 0.00	51.09 2.48 0.01	59.70 3.00 0.01	75.83 3.41 0.01	86.34 3.64 0.01	85.62 3.84 0.01	76.41 3.50 0.01	70.02 3.46 0.01	62.53 3.20 0.01	58.00 2.60 0.01	58.40 2.46 0.01
NYPA_KENT____GT 24152	50.73 3.01 0.00	47.51 2.52 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.43 2.83 0.00	59.71 3.49 0.00	53.22 3.11 0.00	45.22 2.64 -0.01	45.74 2.71 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.88 2.65 -0.01	51.39 2.77 0.00	60.05 3.34 0.00	76.42 3.98 0.00	87.18 4.46 0.00	86.45 4.66 0.00	77.08 4.15 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NYPA_POUCHI____GT 24155	50.63 2.91 0.00	47.37 2.38 0.00	45.53 2.21 0.00	45.33 2.16 0.00	45.63 2.01 0.00	48.19 2.12 0.00	58.26 2.67 0.00	59.54 3.32 0.00	53.02 2.91 0.00	45.04 2.47 -0.01	45.57 2.54 -0.01	45.60 2.66 -0.02	45.54 2.49 -0.02	46.70 2.47 -0.01	51.24 2.62 0.00	59.87 3.17 0.00	76.27 3.84 0.00	87.10 4.38 0.00	86.36 4.58 0.00	77.00 4.08 0.00	70.36 3.79 0.00	62.84 3.50 0.00	58.23 2.82 0.00	58.64 2.69 0.00
NYPA_VERNON____GT2 24162	50.68 2.96 0.00	47.51 2.52 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.80 2.18 0.00	48.41 2.35 0.00	58.48 2.89 0.00	59.77 3.54 0.00	53.32 3.21 0.00	45.30 2.73 -0.01	45.79 2.76 -0.01	45.77 2.83 -0.02	45.76 2.71 -0.02	46.88 2.65 -0.01	51.44 2.82 0.00	60.05 3.34 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.36 4.58 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.93 0.00	58.81 2.85 0.00
NYPA_VERNON____GT3 24163	50.68 2.96 0.00	47.51 2.52 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.80 2.18 0.00	48.41 2.35 0.00	58.48 2.89 0.00	59.77 3.54 0.00	53.32 3.21 0.00	45.30 2.73 -0.01	45.79 2.76 -0.01	45.77 2.83 -0.02	45.76 2.71 -0.02	46.88 2.65 -0.01	51.44 2.82 0.00	60.05 3.34 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.36 4.58 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.93 0.00	58.81 2.85 0.00
NYPA__ASTORIA_CC1 323568	50.68 2.96 0.00	47.46 2.47 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.48 2.89 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.26 2.68 -0.01	45.79 2.76 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.88 2.65 -0.01	51.39 2.77 0.00	60.05 3.34 0.00	76.34 3.91 0.00	86.93 4.22 0.00	86.28 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NYPA__ASTORIA_CC2 323569	50.68 2.96 0.00	47.46 2.47 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.48 2.89 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.26 2.68 -0.01	45.79 2.76 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.88 2.65 -0.01	51.39 2.77 0.00	60.05 3.34 0.00	76.34 3.91 0.00	86.93 4.22 0.00	86.28 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.93 0.00	58.75 2.80 0.00
NYPA__HOLTSVILL 23794	51.93 3.63 -0.59	48.10 3.10 -0.01	46.23 2.90 -0.01	46.07 2.89 -0.01	46.46 2.83 -0.01	49.11 3.04 -0.01	59.27 3.67 -0.01	64.59 4.27 -4.10	53.78 3.66 -0.01	45.59 3.02 0.00	46.09 3.06 -0.01	45.98 3.05 -0.01	45.97 2.93 -0.01	47.73 2.96 -0.55	55.66 3.16 -3.88	71.92 4.03 -11.19	87.89 5.50 -9.96	97.57 6.21 -8.64	96.70 6.46 -8.46	95.88 5.69 -17.27	85.39 5.52 -13.30	76.92 4.75 -12.84	69.03 3.88 -9.74	59.77 3.81 -0.01
NYPA____HELLGATE_GT1 24158	50.38 2.67 0.01	47.23 2.25 0.01	45.53 2.21 0.00	45.33 2.16 0.00	45.58 1.96 0.01	48.08 2.02 0.01	58.15 2.56 0.01	59.36 3.15 0.01	52.96 2.85 0.01	45.12 2.55 0.00	45.66 2.62 -0.01	45.68 2.75 -0.01	45.62 2.58 -0.01	46.69 2.47 0.00	51.09 2.48 0.01	59.70 3.00 0.01	75.83 3.41 0.01	86.34 3.64 0.01	85.62 3.84 0.01	76.41 3.50 0.01	70.02 3.46 0.01	62.53 3.20 0.01	58.00 2.60 0.01	58.40 2.46 0.01
NYPA____HELLGATE_GT2 24159	50.38 2.67 0.01	47.23 2.25 0.01	45.53 2.21 0.00	45.33 2.16 0.00	45.58 1.96 0.01	48.08 2.02 0.01	58.15 2.56 0.01	59.36 3.15 0.01	52.96 2.85 0.01	45.12 2.55 0.00	45.66 2.62 -0.01	45.68 2.75 -0.01	45.62 2.58 -0.01	46.69 2.47 0.00	51.09 2.48 0.01	59.70 3.00 0.01	75.83 3.41 0.01	86.34 3.64 0.01	85.62 3.84 0.01	76.41 3.50 0.01	70.02 3.46 0.01	62.53 3.20 0.01	58.00 2.60 0.01	58.40 2.46 0.01
NYS_BARGE__HYD 23848	46.24 -1.48 0.00	44.23 -0.77 0.00	42.85 -0.48 0.00	42.65 -0.52 0.00	43.40 -0.22 0.00	45.84 -0.23 0.00	54.37 -1.22 0.00	54.59 -1.63 0.00	48.86 -1.25 0.00	41.88 -0.68 0.00	42.51 -0.51 0.00	42.49 -0.43 0.00	42.99 -0.04 0.00	44.31 0.09 0.00	48.72 0.10 0.00	56.19 -0.51 0.00	70.77 -1.66 0.00	81.14 -1.57 0.00	79.09 -2.70 0.00	70.74 -2.19 0.00	63.71 -2.86 0.00	56.43 -2.91 0.00	53.58 -1.83 0.00	54.44 -1.51 0.00
OAK ORCHARD__HYD 24046	46.81 -0.91 0.00	44.41 -0.59 0.00	42.97 -0.35 0.00	42.82 -0.35 0.00	43.40 -0.22 0.00	45.84 -0.23 0.00	55.15 -0.45 0.00	55.61 -0.62 0.00	49.77 -0.35 0.00	42.40 -0.17 0.00	43.02 0.00 0.00	42.97 0.04 0.00	43.33 0.30 0.00	44.57 0.35 0.00	49.06 0.44 0.00	56.93 0.23 0.00	72.29 -0.14 0.00	82.80 0.08 0.00	81.13 -0.66 0.00	72.33 -0.59 0.00	65.50 -1.07 0.00	58.03 -1.31 0.00	54.75 -0.66 0.00	55.17 -0.78 0.00



OAKDALE___35_KV_LOAD 356122	47.63 -0.10 0.00	44.95 -0.04 0.00	43.37 0.04 0.00	43.26 0.09 0.00	43.80 0.17 0.00	46.25 0.18 0.00	55.82 0.22 0.00	56.39 0.17 0.00	50.36 0.25 0.00	42.82 0.26 0.00	43.28 0.26 0.00	43.18 0.26 0.00	43.37 0.34 0.00	44.57 0.35 0.00	49.06 0.44 0.00	57.21 0.51 0.00	72.87 0.43 0.00	83.29 0.58 0.00	82.11 0.33 0.00	73.21 0.29 0.00	66.63 0.07 0.00	59.16 -0.18 0.00	55.30 -0.11 0.00	55.79 -0.17 0.00
OCC_CHEM___DRP 24175	45.29 -2.43 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.62 -1.55 0.00	42.27 -1.35 0.00	44.59 -1.47 0.00	53.37 -2.22 0.00	53.52 -2.70 0.00	48.01 -2.10 0.00	41.21 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.18 -3.26 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.79 0.00	62.37 -4.19 0.00	55.30 -4.03 0.00	52.58 -2.83 0.00	53.10 -2.85 0.00
OH_GEN_PROXY 24063	45.76 -1.96 0.00	43.60 -1.40 0.00	42.24 -1.08 0.00	42.05 -1.12 0.00	42.79 -0.83 0.00	45.19 -0.88 0.00	53.98 -1.61 0.00	54.20 -2.02 0.00	48.61 -1.50 0.00	41.63 -0.94 0.00	42.29 -0.73 0.00	42.28 -0.64 0.00	42.68 -0.35 0.00	44.00 -0.22 0.00	48.38 -0.24 0.00	55.79 -0.91 0.00	70.19 -2.25 0.00	80.40 -2.32 0.00	78.43 -3.36 0.00	70.15 -2.77 0.00	63.24 -3.33 0.00	56.07 -3.26 0.00	53.19 -2.22 0.00	53.77 -2.18 0.00
OLIN_CORP_DRP 24177	45.96 -1.77 0.00	43.91 -1.08 0.00	42.54 -0.78 0.00	42.44 -0.73 0.00	43.10 -0.52 0.00	45.33 -0.74 0.00	53.76 -1.83 0.00	53.81 -2.42 0.00	48.21 -1.90 0.00	41.38 -1.19 0.00	41.99 -1.03 0.00	41.98 -0.94 0.00	42.43 -0.60 0.00	43.73 -0.49 0.00	48.09 -0.53 0.00	55.45 -1.25 0.00	69.61 -2.83 0.00	79.90 -2.81 0.00	77.86 -3.93 0.00	69.64 -3.28 0.00	62.71 -3.86 0.00	55.60 -3.74 0.00	52.86 -2.55 0.00	53.88 -2.07 0.00
OLIN_CORP_DSASP 323712	45.29 -2.43 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.62 -1.55 0.00	42.27 -1.35 0.00	44.59 -1.47 0.00	53.37 -2.22 0.00	53.52 -2.70 0.00	48.01 -2.10 0.00	41.21 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.18 -3.26 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.79 0.00	62.37 -4.19 0.00	55.30 -4.03 0.00	52.58 -2.83 0.00	53.10 -2.85 0.00
ONEIDA_HERK_LFGE 323681	48.30 0.57 0.00	45.62 0.63 0.00	43.97 0.65 0.00	43.73 0.56 0.00	44.23 0.61 0.00	46.71 0.64 0.00	56.37 0.78 0.00	57.18 0.95 0.00	50.96 0.85 0.00	43.08 0.51 0.00	43.45 0.43 0.00	43.27 0.34 0.00	43.37 0.34 0.00	44.44 0.22 0.00	49.01 0.39 0.00	57.55 0.85 0.00	74.03 1.59 0.00	84.86 2.15 0.00	83.75 1.96 0.00	74.60 1.68 0.00	68.03 1.46 0.00	60.82 1.48 0.00	56.68 1.28 0.00	57.24 1.29 0.00
ONEIDA___115KV_TB4 55905	48.82 1.10 0.00	46.07 1.08 0.00	44.36 1.04 0.00	44.21 1.04 0.00	44.76 1.13 0.00	47.31 1.24 0.00	57.10 1.50 0.00	57.80 1.57 0.00	51.47 1.35 0.00	43.55 0.98 0.00	43.93 0.90 0.00	43.74 0.82 0.00	43.89 0.86 0.00	45.06 0.84 0.00	49.64 1.02 0.00	58.18 1.47 0.00	74.75 2.32 0.00	85.61 2.90 0.00	84.32 2.54 0.00	75.18 2.26 0.00	68.43 1.86 0.00	60.94 1.60 0.00	56.79 1.39 0.00	57.30 1.34 0.00
ONONDAGA_REF_OCCRA 23987	47.48 -0.24 0.00	44.77 -0.22 0.00	43.11 -0.22 0.00	43.04 -0.13 0.00	43.49 -0.13 0.00	45.88 -0.18 0.00	55.37 -0.22 0.00	55.83 -0.39 0.00	49.86 -0.25 0.00	42.44 -0.13 0.00	42.85 -0.17 0.00	42.71 -0.21 0.00	42.86 -0.17 0.00	44.00 -0.22 0.00	48.38 -0.24 0.00	56.47 -0.23 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.30 -0.49 0.00	72.48 -0.44 0.00	66.03 -0.53 0.00	58.74 -0.59 0.00	54.85 -0.55 0.00	55.28 -0.67 0.00
ONONDAGA___COGEN 23986	47.48 -0.24 0.00	44.81 -0.18 0.00	43.15 -0.17 0.00	43.08 -0.09 0.00	43.53 -0.09 0.00	45.93 -0.14 0.00	55.43 -0.17 0.00	55.89 -0.34 0.00	49.91 -0.20 0.00	42.48 -0.09 0.00	42.89 -0.13 0.00	42.75 -0.17 0.00	42.90 -0.13 0.00	44.09 -0.13 0.00	48.43 -0.19 0.00	56.53 -0.17 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.30 -0.49 0.00	72.48 -0.44 0.00	66.03 -0.53 0.00	58.74 -0.59 0.00	54.91 -0.50 0.00	55.34 -0.62 0.00
ONTARIO___LFGE 23819	47.20 -0.52 0.00	44.68 -0.31 0.00	43.11 -0.22 0.00	43.00 -0.17 0.00	43.53 -0.09 0.00	45.97 -0.09 0.00	55.48 -0.11 0.00	56.00 -0.22 0.00	50.06 -0.05 0.00	42.61 0.04 0.00	43.15 0.13 0.00	43.01 0.09 0.00	43.29 0.26 0.00	44.49 0.27 0.00	48.96 0.34 0.00	57.04 0.34 0.00	72.65 0.22 0.00	83.21 0.50 0.00	81.71 -0.08 0.00	72.85 -0.07 0.00	66.17 -0.40 0.00	58.63 -0.71 0.00	55.02 -0.39 0.00	55.45 -0.50 0.00
ORANGEVILLE_WT_PWR 323706	45.62 -2.10 0.00	43.51 -1.48 0.00	42.24 -1.08 0.00	42.22 -0.95 0.00	43.14 -0.48 0.00	45.70 -0.37 0.00	54.87 -0.72 0.00	55.32 -0.90 0.00	49.56 -0.55 0.00	42.36 -0.21 0.00	42.90 -0.13 0.00	42.92 0.00 0.00	43.37 0.34 0.00	44.75 0.53 0.00	49.25 0.63 0.00	57.10 0.40 0.00	72.22 -0.22 0.00	82.88 0.17 0.00	80.89 -0.90 0.00	72.19 -0.73 0.00	64.90 -1.66 0.00	57.20 -2.13 0.00	53.91 -1.49 0.00	54.05 -1.90 0.00
ORANGEVILLE___ESR 323794	45.62 -2.10 0.00	43.51 -1.48 0.00	42.24 -1.08 0.00	42.22 -0.95 0.00	43.14 -0.48 0.00	45.70 -0.37 0.00	54.87 -0.72 0.00	55.32 -0.90 0.00	49.56 -0.55 0.00	42.36 -0.21 0.00	42.90 -0.13 0.00	42.92 0.00 0.00	43.37 0.34 0.00	44.75 0.53 0.00	49.25 0.63 0.00	57.10 0.40 0.00	72.22 -0.22 0.00	82.88 0.17 0.00	80.89 -0.90 0.00	72.19 -0.73 0.00	64.90 -1.66 0.00	57.20 -2.13 0.00	53.91 -1.49 0.00	54.05 -1.90 0.00
OSWEGATCHIE___HYD 24044	47.20 -0.52 0.00	44.72 -0.27 0.00	43.06 -0.26 0.00	42.82 -0.35 0.00	43.32 -0.30 0.00	45.47 -0.60 0.00	54.93 -0.66 0.00	55.72 -0.51 0.00	49.56 -0.55 0.00	41.80 -0.76 0.00	42.42 -0.60 0.00	42.24 -0.69 0.00	42.39 -0.64 0.00	43.47 -0.75 0.00	47.79 -0.83 0.00	55.85 -0.85 0.00	71.71 -0.72 0.00	82.30 -0.41 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.24 -0.33 0.00	59.81 0.47 0.00	55.85 0.44 0.00	56.63 0.67 0.00
OSWEGO___5 23606	46.63 -1.10 0.00	44.00 -0.99 0.00	42.41 -0.91 0.00	42.26 -0.91 0.00	42.75 -0.87 0.00	45.10 -0.97 0.00	54.42 -1.17 0.00	54.82 -1.40 0.00	48.91 -1.20 0.00	41.67 -0.90 0.00	42.08 -0.95 0.00	41.94 -0.99 0.00	42.08 -0.95 0.00	43.25 -0.97 0.00	47.50 -1.12 0.00	55.40 -1.30 0.00	70.70 -1.74 0.00	80.82 -1.90 0.00	79.75 -2.04 0.00	71.10 -1.82 0.00	64.77 -1.79 0.00	57.67 -1.66 0.00	53.91 -1.49 0.00	54.39 -1.57 0.00
OSWEGO___6 23613	46.63 -1.10 0.00	44.00 -0.99 0.00	42.41 -0.91 0.00	42.26 -0.91 0.00	42.75 -0.87 0.00	45.10 -0.97 0.00	54.42 -1.17 0.00	54.82 -1.40 0.00	48.91 -1.20 0.00	41.67 -0.90 0.00	42.08 -0.95 0.00	41.94 -0.99 0.00	42.08 -0.95 0.00	43.25 -0.97 0.00	47.50 -1.12 0.00	55.40 -1.30 0.00	70.70 -1.74 0.00	80.82 -1.90 0.00	79.75 -2.04 0.00	71.10 -1.82 0.00	64.77 -1.79 0.00	57.67 -1.66 0.00	53.91 -1.49 0.00	54.39 -1.57 0.00



OUTOKUMPU-AB___DRP 24206	46.29 -1.43 0.00	44.05 -0.94 0.00	42.67 -0.65 0.00	42.61 -0.56 0.00	43.27 -0.35 0.00	45.70 -0.37 0.00	54.65 -0.95 0.00	54.93 -1.29 0.00	49.21 -0.90 0.00	42.23 -0.34 0.00	42.81 -0.22 0.00	42.84 -0.09 0.00	43.33 0.30 0.00	44.66 0.44 0.00	49.11 0.49 0.00	56.64 -0.06 0.00	71.20 -1.23 0.00	81.72 -0.99 0.00	79.58 -2.21 0.00	71.10 -1.82 0.00	64.10 -2.46 0.00	56.73 -2.61 0.00	53.91 -1.50 0.00	54.44 -1.51 0.00
OXBOW___BTM 323836	45.72 -2.00 0.00	43.60 -1.40 0.00	42.24 -1.08 0.00	42.05 -1.12 0.00	42.84 -0.78 0.00	45.28 -0.78 0.00	54.10 -1.50 0.00	54.31 -1.91 0.00	48.71 -1.40 0.00	41.76 -0.81 0.00	42.38 -0.64 0.00	42.41 -0.51 0.00	42.90 -0.13 0.00	44.22 0.00 0.00	48.57 -0.05 0.00	56.02 -0.68 0.00	70.41 -2.03 0.00	80.65 -2.06 0.00	78.60 -3.19 0.00	70.30 -2.62 0.00	63.37 -3.19 0.00	56.13 -3.21 0.00	53.36 -2.05 0.00	53.88 -2.07 0.00
OXBOW___ 24026	45.81 -1.91 0.00	43.60 -1.39 0.00	42.24 -1.08 0.00	42.18 -0.99 0.00	42.84 -0.79 0.00	45.24 -0.83 0.00	54.09 -1.50 0.00	54.31 -1.91 0.00	48.71 -1.40 0.00	41.76 -0.81 0.00	42.38 -0.65 0.00	42.41 -0.52 0.00	42.90 -0.13 0.00	44.17 -0.04 0.00	48.57 -0.05 0.00	56.02 -0.68 0.00	70.34 -2.10 0.00	80.65 -2.07 0.00	78.60 -3.19 0.00	70.30 -2.63 0.00	63.37 -3.20 0.00	56.13 -3.20 0.00	53.36 -2.05 0.00	53.88 -2.07 0.00
OXY_CHEM_DSASP 323612	45.29 -2.43 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.62 -1.55 0.00	42.27 -1.35 0.00	44.59 -1.47 0.00	53.37 -2.22 0.00	53.52 -2.70 0.00	48.01 -2.10 0.00	41.21 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.18 -3.26 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.79 0.00	62.37 -4.19 0.00	55.30 -4.03 0.00	52.58 -2.83 0.00	53.10 -2.85 0.00
OZONE_PARK_ESR 323760	50.68 2.96 0.00	47.60 2.61 0.00	45.70 2.38 0.00	45.50 2.33 0.00	45.89 2.27 0.00	48.55 2.49 0.00	58.71 3.11 0.00	60.10 3.88 0.00	53.57 3.46 0.00	45.50 2.94 0.00	46.04 3.01 0.00	46.03 3.09 0.00	46.01 2.97 0.00	47.14 2.92 0.00	51.68 3.06 0.00	60.33 3.63 0.00	76.93 4.49 0.00	87.68 4.96 0.00	86.94 5.15 0.00	77.51 4.59 0.00	70.89 4.33 0.00	63.25 3.92 0.00	58.62 3.21 0.00	59.09 3.13 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	45.29 -2.43 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.62 -1.55 0.00	42.27 -1.35 0.00	44.59 -1.47 0.00	53.37 -2.22 0.00	53.52 -2.70 0.00	48.01 -2.10 0.00	41.21 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.18 -3.26 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.79 0.00	62.37 -4.19 0.00	55.30 -4.03 0.00	52.58 -2.83 0.00	53.10 -2.85 0.00
PACKARD___115KV_DUPONT_184 80571	45.14 -2.58 0.00	43.06 -1.93 0.00	41.72 -1.60 0.00	41.53 -1.64 0.00	42.27 -1.35 0.00	44.68 -1.38 0.00	53.37 -2.23 0.00	53.53 -2.70 0.00	48.01 -2.10 0.00	41.20 -1.36 0.00	41.82 -1.20 0.00	41.81 -1.12 0.00	42.26 -0.77 0.00	43.56 -0.66 0.00	47.89 -0.73 0.00	55.17 -1.53 0.00	69.25 -3.19 0.00	79.32 -3.39 0.00	77.29 -4.50 0.00	69.13 -3.80 0.00	62.37 -4.19 0.00	55.30 -4.04 0.00	52.58 -2.82 0.00	53.10 -2.85 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	50.20 2.48 0.00	47.15 2.16 0.00	45.23 1.91 0.00	45.11 1.94 0.00	45.41 1.79 0.00	48.00 1.93 0.00	58.10 2.50 0.00	59.43 3.20 0.00	53.02 2.91 0.00	45.04 2.47 0.00	45.56 2.54 0.00	45.56 2.62 -0.02	45.50 2.45 -0.02	46.65 2.43 0.00	51.15 2.53 0.00	59.71 3.01 0.00	75.99 3.55 0.00	86.60 3.89 0.00	85.88 4.09 0.00	76.57 3.65 0.00	70.09 3.53 0.00	62.60 3.26 0.00	58.07 2.66 0.00	58.47 2.52 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	50.82 3.10 0.00	47.78 2.79 0.00	45.88 2.56 0.00	45.72 2.55 0.00	46.02 2.40 0.00	48.69 2.63 0.00	58.93 3.34 0.00	60.27 4.05 0.00	53.72 3.61 0.00	45.63 3.06 0.00	46.12 3.10 0.00	46.12 3.18 -0.02	46.06 3.01 -0.02	47.23 3.01 0.00	51.78 3.16 0.00	60.44 3.74 0.00	76.93 4.49 0.00	87.68 4.96 0.00	86.94 5.15 0.00	77.59 4.67 0.00	70.96 4.39 0.00	63.37 4.03 0.00	58.79 3.38 0.00	59.25 3.30 0.00
PATROON___115KV_TB1 80586	49.44 1.72 0.00	46.57 1.57 0.00	44.79 1.47 0.00	44.60 1.42 0.00	45.02 1.40 0.00	47.45 1.38 0.00	57.21 1.61 0.00	57.97 1.74 0.00	51.57 1.45 0.00	43.72 1.15 0.00	44.23 1.20 0.00	44.08 1.16 0.00	44.15 1.12 0.00	45.41 1.19 0.00	49.93 1.31 0.00	58.12 1.42 0.00	74.03 1.59 0.00	84.45 1.74 0.00	83.59 1.80 0.00	74.45 1.53 0.00	68.10 1.53 0.00	61.00 1.66 0.00	56.96 1.55 0.00	57.58 1.62 0.00
PATTRSNVILLE___SOLAR 323815	49.29 1.57 0.00	46.39 1.40 0.00	44.62 1.30 0.00	44.46 1.29 0.00	44.89 1.27 0.00	47.40 1.34 0.00	57.32 1.73 0.00	57.97 1.74 0.00	51.02 0.90 0.00	42.91 0.34 0.00	43.28 0.26 0.00	43.10 0.17 0.00	43.16 0.13 0.00	44.49 0.27 0.00	49.11 0.49 0.00	57.78 1.07 0.00	74.39 1.96 0.00	85.12 2.40 0.00	84.24 2.45 0.00	75.04 2.12 0.00	68.50 1.93 0.00	61.11 1.78 0.00	56.96 1.55 0.00	57.58 1.62 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	46.58 -1.15 0.00	44.27 -0.72 0.00	42.89 -0.43 0.00	42.83 -0.35 0.00	43.53 -0.09 0.00	46.02 -0.05 0.00	55.26 -0.33 0.00	55.55 -0.67 0.00	49.76 -0.35 0.00	42.70 0.13 0.00	43.24 0.22 0.00	43.22 0.30 0.00	43.72 0.69 0.00	45.06 0.84 0.00	49.54 0.92 0.00	57.27 0.57 0.00	72.22 -0.22 0.00	82.96 0.25 0.00	80.81 -0.98 0.00	72.19 -0.73 0.00	65.04 -1.53 0.00	57.44 -1.90 0.00	54.36 -1.05 0.00	54.89 -1.06 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	50.58 2.86 0.00	47.51 2.52 0.00	45.62 2.30 0.00	45.37 2.20 0.00	45.89 2.27 0.00	48.32 2.26 0.00	58.54 2.95 0.00	59.71 3.49 0.00	53.07 2.96 0.00	44.95 2.38 0.00	45.48 2.45 0.00	45.41 2.49 0.00	45.44 2.41 0.00	46.61 2.39 0.00	51.29 2.67 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.26 4.55 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.36 3.79 0.00	62.78 3.44 0.00	58.34 2.94 0.00	58.86 2.91 0.00
PEEKSKILL___ 23653	50.15 2.43 0.00	47.06 2.07 0.00	45.23 1.90 0.00	45.07 1.90 0.00	45.45 1.83 0.00	48.00 1.93 0.00	57.93 2.33 0.00	59.09 2.87 0.00	52.62 2.50 0.00	44.61 2.04 0.00	45.17 2.15 0.00	45.11 2.19 0.00	45.10 2.07 0.00	46.25 2.04 0.00	50.76 2.14 0.00	59.25 2.55 0.00	75.55 3.11 0.00	86.19 3.47 0.00	85.47 3.68 0.00	76.13 3.20 0.00	69.56 3.00 0.00	62.13 2.79 0.00	57.73 2.33 0.00	58.19 2.24 0.00
PGE MADISON___WINDPWR 24146	50.01 2.29 0.00	47.33 2.34 0.00	45.62 2.30 0.00	45.46 2.29 0.00	46.24 2.62 0.00	49.01 2.95 0.00	59.43 3.84 0.00	60.38 4.16 0.00	53.82 3.71 0.00	45.16 2.60 0.00	45.39 2.37 0.00	45.29 2.36 0.00	45.65 2.62 0.00	46.96 2.74 0.00	52.17 3.55 0.00	61.58 4.88 0.00	80.11 7.68 0.00	92.15 9.43 0.00	90.21 8.42 0.00	80.29 7.37 0.00	72.76 6.19 0.00	64.20 4.87 0.00	59.56 4.16 0.00	59.81 3.86 0.00



PIERCEFIELD___HYD 23852	47.20 -0.52 0.00	44.72 -0.27 0.00	43.11 -0.22 0.00	42.91 -0.26 0.00	43.40 -0.22 0.00	45.65 -0.41 0.00	55.37 -0.22 0.00	56.00 -0.22 0.00	49.81 -0.30 0.00	42.10 -0.47 0.00	42.64 -0.39 0.00	42.54 -0.39 0.00	42.69 -0.34 0.00	43.91 -0.31 0.00	48.13 -0.49 0.00	55.91 -0.79 0.00	71.86 -0.58 0.00	82.14 -0.58 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.30 -0.27 0.00	59.51 0.18 0.00	55.74 0.33 0.00	56.68 0.73 0.00
PINELAWN_CC_1 323563	52.07 3.67 -0.67	48.24 3.24 -0.01	46.36 3.03 -0.01	46.20 3.02 -0.01	46.60 2.97 -0.01	49.25 3.18 -0.01	59.44 3.83 -0.01	65.35 4.44 -4.68	53.93 3.81 -0.01	45.72 3.15 0.00	46.17 3.14 -0.01	46.11 3.18 -0.01	46.05 3.01 -0.01	47.89 3.05 -0.63	56.37 3.31 -4.44	73.52 4.03 -12.79	89.25 5.44 -11.38	98.43 5.87 -9.84	97.55 6.14 -9.62	98.02 5.40 -19.70	86.86 5.13 -15.16	78.48 4.51 -14.64	70.31 3.77 -11.14	59.66 3.69 -0.01
PJM_GEN_HTP_PROXY 323702	50.44 2.72 0.00	47.33 2.34 0.00	45.49 2.17 0.00	45.33 2.16 0.00	45.67 2.05 0.00	48.28 2.21 0.00	58.26 2.67 0.00	59.54 3.32 0.00	53.12 3.01 0.00	45.08 2.51 0.00	45.61 2.58 0.00	45.59 2.66 0.00	45.53 2.49 0.00	46.65 2.43 0.00	51.15 2.53 0.00	59.70 3.00 0.00	76.06 3.62 0.00	86.77 4.05 0.00	85.96 4.17 0.00	76.64 3.72 0.00	70.09 3.53 0.00	62.54 3.20 0.00	58.07 2.66 0.00	58.53 2.58 0.00
PJM_GEN_KEystone 24065	47.71 0.19 0.20	45.22 0.23 0.00	43.58 0.26 0.00	42.42 0.26 1.01	43.10 0.35 0.87	42.90 0.41 3.58	45.63 0.34 10.30	52.14 0.50 4.59	47.71 0.50 2.90	43.12 0.55 0.00	43.63 0.60 0.00	43.61 0.68 0.00	42.83 0.73 0.93	43.09 0.75 1.88	45.00 0.73 4.35	48.30 0.74 9.14	56.00 0.58 17.01	64.81 0.66 18.56	62.42 0.41 19.78	60.97 0.44 12.39	58.37 0.07 8.26	53.03 -0.06 6.25	48.58 0.06 6.88	44.50 0.00 11.45
PJM_GEN_NEPTUNE_PROXY 323594	51.18 2.91 -0.55	47.52 2.52 -0.01	45.67 2.34 -0.01	45.55 2.37 -0.01	45.94 2.31 -0.01	48.51 2.44 -0.01	58.55 2.94 -0.01	63.52 3.49 -3.81	53.18 3.06 -0.01	45.25 2.68 0.00	45.66 2.62 -0.01	45.55 2.62 -0.01	45.49 2.45 -0.01	47.16 2.43 -0.51	54.81 2.58 -3.61	70.29 3.17 -10.41	85.83 4.13 -9.26	95.19 4.46 -8.01	94.36 4.74 -7.83	93.18 4.23 -16.03	82.97 4.06 -12.34	74.81 3.56 -11.91	67.35 2.88 -9.06	58.76 2.80 -0.01
PJM_GEN_VFT_PROXY 323633	50.39 2.67 0.00	47.24 2.25 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.59 1.96 0.00	48.14 2.07 0.00	58.15 2.56 0.00	59.48 3.26 0.00	53.02 2.91 0.00	45.04 2.47 -0.01	45.57 2.54 -0.01	45.56 2.62 -0.02	45.50 2.45 -0.02	46.61 2.39 -0.01	51.10 2.48 0.00	59.65 2.95 0.00	75.98 3.55 0.00	86.60 3.89 0.00	85.88 4.09 0.00	76.57 3.64 0.00	70.03 3.46 0.00	62.48 3.14 0.00	57.96 2.55 0.00	58.41 2.46 0.00
PLATSBURG_115KV_PMLD1 355749	46.58 -1.15 0.00	44.05 -0.94 0.00	42.46 -0.87 0.00	42.31 -0.86 0.00	42.84 -0.79 0.00	45.28 -0.78 0.00	54.98 -0.61 0.00	55.66 -0.56 0.00	49.66 -0.45 0.00	42.14 -0.43 0.00	42.72 -0.30 0.00	42.75 -0.17 0.00	42.94 -0.09 0.00	44.26 0.04 0.00	48.96 0.34 0.00	57.10 0.40 0.00	73.52 1.09 0.00	84.04 1.32 0.00	83.26 1.47 0.00	74.38 1.46 0.00	67.90 1.33 0.00	60.52 1.19 0.00	56.57 1.16 0.00	57.13 1.18 0.00
PLEASANTVLY___LBMP 24000	49.82 2.10 0.00	46.88 1.89 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.19 1.57 0.00	47.77 1.70 0.00	57.71 2.11 0.00	58.81 2.59 0.00	52.37 2.26 0.00	44.40 1.83 0.00	44.92 1.89 0.00	44.86 1.93 0.00	44.88 1.85 0.00	46.03 1.81 0.00	50.52 1.90 0.00	58.97 2.27 0.00	75.12 2.68 0.00	85.69 2.98 0.00	84.90 3.11 0.00	75.69 2.77 0.00	69.23 2.66 0.00	61.83 2.49 0.00	57.51 2.11 0.00	58.08 2.13 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	50.16 2.43 0.00	47.15 2.16 0.00	45.31 1.99 0.00	45.11 1.94 0.00	45.50 1.88 0.00	48.05 1.98 0.00	58.10 2.50 0.00	59.26 3.04 0.00	52.82 2.71 0.00	44.78 2.21 0.00	45.35 2.32 0.00	45.29 2.36 0.00	45.27 2.24 0.00	46.39 2.17 0.00	50.91 2.29 0.00	59.48 2.78 0.00	75.77 3.33 0.00	86.44 3.72 0.00	85.71 3.93 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.96 2.55 0.00	58.42 2.46 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	50.16 2.43 0.00	47.15 2.16 0.00	45.31 1.99 0.00	45.11 1.94 0.00	45.50 1.88 0.00	48.05 1.98 0.00	58.10 2.50 0.00	59.26 3.04 0.00	52.82 2.71 0.00	44.78 2.21 0.00	45.35 2.32 0.00	45.29 2.36 0.00	45.27 2.24 0.00	46.39 2.17 0.00	50.91 2.29 0.00	59.48 2.78 0.00	75.77 3.33 0.00	86.44 3.72 0.00	85.71 3.93 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.96 2.55 0.00	58.42 2.46 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	50.16 2.43 0.00	47.15 2.16 0.00	45.31 1.99 0.00	45.07 1.90 0.00	45.54 1.92 0.00	48.05 1.98 0.00	58.15 2.56 0.00	59.26 3.04 0.00	52.72 2.61 0.00	44.61 2.04 0.00	45.05 2.02 0.00	44.94 2.02 0.00	44.97 1.94 0.00	46.16 1.95 0.00	50.76 2.14 0.00	59.31 2.61 0.00	75.77 3.33 0.00	86.44 3.72 0.00	85.80 4.01 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.96 2.55 0.00	58.47 2.52 0.00
POLETTI_____ 23519	49.53 1.81 0.00	46.52 1.53 0.00	44.88 1.56 0.00	44.85 1.68 0.00	44.97 1.35 0.00	47.36 1.29 0.00	57.32 1.72 0.00	58.70 2.47 0.00	52.37 2.26 0.00	44.82 2.26 0.00	45.39 2.37 0.00	45.47 2.53 -0.02	45.37 2.32 -0.02	46.39 2.17 0.00	50.52 1.90 0.00	58.91 2.21 0.00	74.90 2.46 0.00	85.28 2.56 0.00	84.65 2.86 0.00	75.47 2.55 0.00	69.16 2.60 0.00	61.77 2.43 0.00	57.29 1.88 0.00	57.69 1.73 0.00
POMONA___ESR 323819	50.11 2.39 0.00	47.02 2.03 0.00	45.18 1.86 0.00	45.03 1.86 0.00	45.41 1.79 0.00	47.95 1.89 0.00	57.87 2.28 0.00	59.03 2.81 0.00	52.57 2.45 0.00	44.57 2.00 0.00	45.09 2.07 0.00	45.03 2.10 0.00	45.01 1.98 0.00	46.16 1.94 0.00	50.71 2.09 0.00	59.19 2.49 0.00	75.48 3.04 0.00	86.11 3.39 0.00	85.38 3.59 0.00	76.13 3.20 0.00	69.56 3.00 0.00	62.13 2.79 0.00	57.68 2.27 0.00	58.19 2.24 0.00
PORT_JEFF_3 23555	51.99 3.67 -0.59	48.15 3.15 -0.01	46.28 2.95 -0.01	46.07 2.89 -0.01	46.51 2.88 -0.01	49.16 3.09 -0.01	59.33 3.73 -0.01	64.66 4.33 -4.10	53.83 3.71 -0.01	45.63 3.07 0.00	46.13 3.10 -0.01	46.03 3.09 -0.01	46.01 2.97 -0.01	47.78 3.01 -0.55	55.77 3.26 -3.89	72.00 4.08 -11.21	88.06 5.65 -9.97	97.75 6.37 -8.66	96.88 6.62 -8.47	96.06 5.84 -17.30	85.55 5.65 -13.33	77.07 4.87 -12.87	69.10 3.93 -9.76	59.82 3.86 -0.01
PORT_JEFF_4 23616	51.99 3.67 -0.59	48.15 3.15 -0.01	46.28 2.95 -0.01	46.07 2.89 -0.01	46.51 2.88 -0.01	49.16 3.09 -0.01	59.33 3.73 -0.01	64.66 4.33 -4.10	53.83 3.71 -0.01	45.63 3.07 0.00	46.13 3.10 -0.01	46.03 3.09 -0.01	46.01 2.97 -0.01	47.78 3.01 -0.55	55.77 3.26 -3.89	72.00 4.08 -11.21	88.06 5.65 -9.97	97.75 6.37 -8.66	96.88 6.62 -8.47	96.06 5.84 -17.30	85.55 5.65 -13.33	77.07 4.87 -12.87	69.10 3.93 -9.76	59.82 3.86 -0.01



PORT_JEFF_IC 23713	51.89 3.58 -0.59	48.10 3.10 -0.01	46.23 2.90 -0.01	46.03 2.85 -0.01	46.42 2.79 -0.01	49.11 3.04 -0.01	59.38 3.78 -0.01	64.79 4.44 -4.13	53.93 3.81 -0.01	45.72 3.15 0.00	46.22 3.18 -0.01	46.11 3.18 -0.01	46.09 3.06 -0.01	47.91 3.14 -0.55	55.89 3.35 -3.91	72.18 4.20 -11.28	88.34 5.87 -10.04	98.05 6.62 -8.72	97.19 6.87 -8.53	96.39 6.05 -17.41	85.84 5.86 -13.41	77.50 5.22 -12.95	69.33 4.10 -9.82	59.93 3.97 -0.01
PPL PILGRIM_ST_GT1 24216	52.58 4.25 -0.61	48.69 3.69 -0.01	46.80 3.47 -0.01	46.59 3.41 -0.01	46.99 3.36 -0.01	49.71 3.64 -0.01	59.99 4.39 -0.01	65.47 5.00 -4.25	54.43 4.31 -0.01	46.06 3.49 0.00	46.52 3.48 -0.01	46.45 3.52 -0.01	46.40 3.36 -0.01	48.24 3.45 -0.57	56.39 3.74 -4.03	72.96 4.65 -11.60	89.14 6.38 -10.33	98.10 6.46 -8.93	97.14 6.62 -8.73	96.49 5.69 -17.88	85.65 5.33 -13.76	77.78 5.16 -13.28	69.89 4.38 -10.10	60.27 4.31 -0.01
PPL PILGRIM_ST_GT2 24217	52.58 4.25 -0.61	48.69 3.69 -0.01	46.80 3.47 -0.01	46.59 3.41 -0.01	46.99 3.36 -0.01	49.71 3.64 -0.01	59.99 4.39 -0.01	65.47 5.00 -4.25	54.43 4.31 -0.01	46.06 3.49 0.00	46.52 3.48 -0.01	46.45 3.52 -0.01	46.40 3.36 -0.01	48.24 3.45 -0.57	56.39 3.74 -4.03	72.96 4.65 -11.60	89.14 6.38 -10.33	98.10 6.46 -8.93	97.14 6.62 -8.73	96.49 5.69 -17.88	85.65 5.33 -13.76	77.78 5.16 -13.28	69.89 4.38 -10.10	60.27 4.31 -0.01
PPL_SHRM_GT3 24213	52.37 4.05 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.37 3.19 -0.01	46.73 3.10 -0.01	49.48 3.41 -0.01	59.61 4.01 -0.01	65.00 4.66 -4.12	54.03 3.91 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.19 3.26 -0.01	46.18 3.14 -0.01	48.00 3.23 -0.55	55.97 3.45 -3.90	72.42 4.48 -11.24	88.82 6.38 -10.01	98.76 7.36 -8.69	97.97 7.69 -8.50	97.13 6.85 -17.36	86.53 6.59 -13.37	77.82 5.58 -12.90	69.85 4.65 -9.79	60.49 4.53 -0.01
PPL_SHRM_GT4 24214	52.37 4.05 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.37 3.19 -0.01	46.73 3.10 -0.01	49.48 3.41 -0.01	59.61 4.01 -0.01	65.00 4.66 -4.12	54.03 3.91 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.19 3.26 -0.01	46.18 3.14 -0.01	48.00 3.23 -0.55	55.97 3.45 -3.90	72.42 4.48 -11.24	88.82 6.38 -10.01	98.76 7.36 -8.69	97.97 7.69 -8.50	97.13 6.85 -17.36	86.53 6.59 -13.37	77.82 5.58 -12.90	69.85 4.65 -9.79	60.49 4.53 -0.01
PROJECT___ORANGE 1 24174	47.29 -0.43 0.00	44.59 -0.40 0.00	42.98 -0.35 0.00	42.87 -0.30 0.00	43.36 -0.26 0.00	45.74 -0.32 0.00	55.15 -0.44 0.00	55.61 -0.62 0.00	49.61 -0.50 0.00	42.27 -0.30 0.00	42.68 -0.34 0.00	42.54 -0.39 0.00	42.69 -0.34 0.00	43.87 0.00 0.00	48.18 -0.44 0.00	56.25 -0.45 0.00	71.78 -0.65 0.00	81.97 -0.74 0.00	80.81 -0.98 0.00	72.05 -0.88 0.00	65.70 -0.87 0.00	58.39 -0.95 0.00	54.58 -0.83 0.00	55.06 -0.90 0.00
PROJECT___ORANGE 2 24166	47.29 -0.43 0.00	44.59 -0.40 0.00	42.98 -0.35 0.00	42.87 -0.30 0.00	43.36 -0.26 0.00	45.74 -0.32 0.00	55.15 -0.44 0.00	55.61 -0.62 0.00	49.61 -0.50 0.00	42.27 -0.30 0.00	42.68 -0.34 0.00	42.54 -0.39 0.00	42.69 -0.34 0.00	43.87 0.00 0.00	48.18 -0.44 0.00	56.25 -0.45 0.00	71.78 -0.65 0.00	81.97 -0.74 0.00	80.81 -0.98 0.00	72.05 -0.88 0.00	65.70 -0.87 0.00	58.39 -0.95 0.00	54.58 -0.83 0.00	55.06 -0.90 0.00
PUCKETT___SOLAR 323809	48.30 0.57 0.00	45.62 0.63 0.00	43.97 0.65 0.00	43.86 0.69 0.00	44.41 0.79 0.00	46.94 0.87 0.00	56.71 1.11 0.00	57.41 1.18 0.00	51.17 1.05 0.00	43.33 0.77 0.00	43.75 0.73 0.00	43.61 0.68 0.00	43.85 0.82 0.00	45.06 0.84 0.00	49.74 1.12 0.00	58.17 1.47 0.00	74.54 2.10 0.00	85.36 2.65 0.00	84.00 2.21 0.00	74.89 1.97 0.00	68.10 1.53 0.00	60.40 1.07 0.00	56.35 0.94 0.00	56.74 0.78 0.00
PYRITES___HYD 24023	48.10 0.38 0.00	45.58 0.58 0.00	43.88 0.56 0.00	43.65 0.47 0.00	44.23 0.61 0.00	46.62 0.55 0.00	56.54 0.95 0.00	57.12 0.90 0.00	50.71 0.60 0.00	42.65 0.09 0.00	43.11 0.09 0.00	42.97 0.04 0.00	43.07 0.04 0.00	44.35 0.13 0.00	48.77 0.15 0.00	56.76 0.06 0.00	73.45 1.01 0.00	84.37 1.65 0.00	83.59 1.80 0.00	74.60 1.68 0.00	68.10 1.53 0.00	60.94 1.60 0.00	56.96 1.55 0.00	57.80 1.85 0.00
QUAKERRD_115KV_BK1 80622	46.00 -1.72 0.00	43.51 -1.48 0.00	42.07 -1.26 0.00	42.00 -1.17 0.00	42.49 -1.13 0.00	44.82 -1.24 0.00	54.04 -1.56 0.00	54.42 -1.80 0.00	48.66 -1.45 0.00	41.50 -1.06 0.00	42.08 -0.95 0.00	42.02 -0.90 0.00	42.34 -0.69 0.00	43.51 -0.71 0.00	47.89 -0.73 0.00	55.62 -1.08 0.00	70.70 -1.74 0.00	80.90 -1.82 0.00	79.33 -2.45 0.00	70.73 -2.19 0.00	64.17 -2.40 0.00	56.84 -2.49 0.00	53.58 -1.83 0.00	53.99 -1.96 0.00
QUENSBRY_115KV_TB8 356137	51.20 3.48 0.00	48.23 3.24 0.00	46.40 3.08 0.00	46.28 3.11 0.00	46.67 3.05 0.00	49.29 3.22 0.00	59.65 4.06 0.00	60.44 4.22 0.00	53.42 3.31 0.00	44.99 2.43 0.00	45.39 2.37 0.00	45.07 2.15 0.00	45.14 2.11 0.00	46.43 2.21 0.00	51.25 2.63 0.00	60.05 3.35 0.00	77.43 5.00 0.00	88.51 5.79 0.00	87.43 5.64 0.00	77.95 5.03 0.00	71.29 4.73 0.00	63.55 4.21 0.00	59.29 3.88 0.00	59.93 3.97 0.00
RAMAPO___LBMP 323565	49.68 1.96 0.00	46.70 1.71 0.00	44.88 1.56 0.00	44.68 1.51 0.00	45.06 1.44 0.00	47.63 1.57 0.00	57.60 2.00 0.00	58.75 2.53 0.00	52.32 2.20 0.00	44.40 1.83 0.00	44.87 1.85 0.00	44.86 1.93 0.00	44.84 1.81 0.00	45.99 1.77 0.00	50.47 1.85 0.00	58.91 2.21 0.00	75.12 2.68 0.00	85.69 2.98 0.00	84.98 3.19 0.00	75.76 2.84 0.00	69.23 2.66 0.00	61.77 2.43 0.00	57.40 1.99 0.00	57.91 1.96 0.00
RANKINE____ 23646	46.43 -1.29 0.00	44.18 -0.81 0.00	42.80 -0.52 0.00	42.74 -0.43 0.00	43.45 -0.17 0.00	45.93 -0.14 0.00	55.09 -0.50 0.00	55.44 -0.79 0.00	49.66 -0.45 0.00	42.61 0.04 0.00	43.20 0.17 0.00	43.18 0.26 0.00	43.68 0.65 0.00	45.06 0.84 0.00	49.50 0.88 0.00	57.21 0.51 0.00	72.00 -0.43 0.00	82.63 -0.08 0.00	80.56 -1.23 0.00	71.97 -0.95 0.00	64.77 -1.80 0.00	57.26 -2.08 0.00	54.24 -1.16 0.00	54.72 -1.23 0.00
RAVENSWOOD_GT2_1 24244	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.60 3.37 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.64 2.70 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.20 3.77 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.23 3.66 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
RAVENSWOOD_GT2_2 24245	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.60 3.37 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.64 2.70 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.20 3.77 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.23 3.66 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00



RAVENSWOOD_GT2_3 24246	50.35 2.62 0.00	47.29 2.29 0.00	45.44 2.12 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.23 2.17 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.69 2.75 -0.02	45.63 2.58 -0.02	46.78 2.56 0.00	51.29 2.67 0.00	59.88 3.18 0.00	76.28 3.84 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.23 2.83 0.00	58.64 2.69 0.00
RAVENSWOOD_GT2_4 24247	50.35 2.62 0.00	47.29 2.29 0.00	45.44 2.12 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.23 2.17 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.69 2.75 -0.02	45.63 2.58 -0.02	46.78 2.56 0.00	51.29 2.67 0.00	59.88 3.18 0.00	76.28 3.84 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.23 2.83 0.00	58.64 2.69 0.00
RAVENSWOOD_GT3_1 24248	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.69 2.75 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.20 3.77 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
RAVENSWOOD_GT3_2 24249	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.69 2.75 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.20 3.77 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
RAVENSWOOD_GT3_3 24250	50.39 2.67 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.22 3.11 0.00	45.21 2.64 0.00	45.73 2.71 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.34 2.72 0.00	59.93 3.23 0.00	76.35 3.91 0.00	87.02 4.30 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.36 3.79 0.00	62.78 3.44 0.00	58.29 2.88 0.00	58.69 2.74 0.00
RAVENSWOOD_GT3_4 24251	50.39 2.67 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.22 3.11 0.00	45.21 2.64 0.00	45.73 2.71 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.34 2.72 0.00	59.93 3.23 0.00	76.35 3.91 0.00	87.02 4.30 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.36 3.79 0.00	62.78 3.44 0.00	58.29 2.88 0.00	58.69 2.74 0.00
RAVENSWOOD_GT_1 23729	50.44 2.72 0.00	47.38 2.38 0.00	45.49 2.17 0.00	45.29 2.12 0.00	45.63 2.01 0.00	48.28 2.21 0.00	58.43 2.84 0.00	59.77 3.54 0.00	53.32 3.21 0.00	45.29 2.72 0.00	45.78 2.75 0.00	45.77 2.83 -0.02	45.76 2.71 -0.02	46.87 2.65 0.00	51.44 2.82 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.10 4.38 0.00	86.37 4.58 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.81 2.85 0.00
RAVENSWOOD_GT_10 24258	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.64 2.70 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.20 3.77 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
RAVENSWOOD_GT_11 24259	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.64 2.70 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.20 3.77 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
RAVENSWOOD_GT_4 24252	50.35 2.62 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.69 2.75 -0.02	45.63 2.58 -0.02	46.78 2.56 0.00	51.29 2.67 0.00	59.88 3.18 0.00	76.28 3.84 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.78 3.44 0.00	58.23 2.83 0.00	58.64 2.69 0.00
RAVENSWOOD_GT_5 24254	50.35 2.62 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.69 2.75 -0.02	45.63 2.58 -0.02	46.78 2.56 0.00	51.29 2.67 0.00	59.88 3.18 0.00	76.28 3.84 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.78 3.44 0.00	58.23 2.83 0.00	58.64 2.69 0.00
RAVENSWOOD_GT_6 24253	50.35 2.62 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.69 2.75 -0.02	45.63 2.58 -0.02	46.78 2.56 0.00	51.29 2.67 0.00	59.88 3.18 0.00	76.28 3.84 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.78 3.44 0.00	58.23 2.83 0.00	58.64 2.69 0.00
RAVENSWOOD_GT_7 24255	50.35 2.62 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.69 2.75 -0.02	45.63 2.58 -0.02	46.78 2.56 0.00	51.29 2.67 0.00	59.88 3.18 0.00	76.28 3.84 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.78 3.44 0.00	58.23 2.83 0.00	58.64 2.69 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.64 2.70 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.20 3.77 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
RAVENSWOOD_GT_9 24257	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.64 2.70 -0.02	45.63 2.58 -0.02	46.74 2.52 0.00	51.25 2.63 0.00	59.82 3.12 0.00	76.20 3.77 0.00	86.93 4.22 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00



RAVENSWOOD___1 23533	50.68 2.96 0.00	47.46 2.47 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.48 2.89 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.26 2.68 -0.01	45.79 2.76 -0.01	45.77 2.83 -0.02	45.71 2.67 -0.02	46.88 2.65 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.34 3.91 0.00	87.01 4.30 0.00	86.28 4.50 0.00	77.00 4.08 0.00	70.43 3.86 0.00	62.90 3.56 0.00	58.34 2.93 0.00	58.75 2.80 0.00
RAVENSWOOD___2 23534	50.68 2.96 0.00	47.46 2.47 0.00	45.66 2.34 0.00	45.46 2.29 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.43 2.83 0.00	59.71 3.49 0.00	53.27 3.16 0.00	45.26 2.68 -0.01	45.74 2.71 -0.01	45.73 2.79 -0.02	45.71 2.67 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.34 3.91 0.00	87.01 4.30 0.00	86.28 4.50 0.00	76.93 4.01 0.00	70.43 3.86 0.00	62.84 3.50 0.00	58.29 2.88 0.00	58.75 2.80 0.00
RAVENSWOOD___3 23535	50.58 2.86 0.00	47.42 2.43 0.00	45.57 2.25 0.00	45.37 2.20 0.00	45.76 2.14 0.00	48.32 2.26 0.00	58.37 2.78 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.17 2.60 -0.01	45.70 2.67 -0.01	45.69 2.75 -0.02	45.63 2.58 -0.02	46.75 2.52 -0.01	51.24 2.62 0.00	59.87 3.17 0.00	76.27 3.84 0.00	86.93 4.22 0.00	86.20 4.41 0.00	76.86 3.94 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.18 2.77 0.00	58.64 2.69 0.00
RAVENSWOOD___4 23820	50.63 2.91 0.00	47.46 2.47 0.00	45.62 2.29 0.00	45.41 2.24 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.43 2.83 0.00	59.71 3.49 0.00	53.22 3.11 0.00	45.22 2.64 -0.01	45.74 2.71 -0.01	45.73 2.79 -0.02	45.67 2.63 -0.02	46.84 2.61 -0.01	51.39 2.77 0.00	59.99 3.29 0.00	76.34 3.91 0.00	87.01 4.30 0.00	86.28 4.50 0.00	76.93 4.01 0.00	70.36 3.79 0.00	62.84 3.50 0.00	58.29 2.88 0.00	58.69 2.74 0.00
RCPL_TRUST___DRP 24196	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.26 2.67 0.00	59.60 3.37 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.67 2.75 0.00	45.61 2.58 0.00	46.74 2.52 0.00	51.20 2.58 0.00	59.76 3.06 0.00	76.20 3.77 0.00	86.85 4.14 0.00	86.12 4.33 0.00	76.79 3.86 0.00	70.16 3.59 0.00	62.66 3.32 0.00	58.12 2.71 0.00	58.58 2.63 0.00
RED___ROCHESTER 323720	47.05 -0.67 0.00	44.68 -0.31 0.00	43.24 -0.09 0.00	43.08 -0.09 0.00	43.62 0.00 0.00	46.11 0.05 0.00	55.48 -0.11 0.00	55.94 -0.28 0.00	50.06 -0.05 0.00	42.70 0.13 0.00	43.33 0.30 0.00	43.31 0.39 0.00	43.68 0.65 0.00	44.92 0.71 0.00	49.45 0.83 0.00	57.44 0.74 0.00	73.01 0.58 0.00	83.63 0.91 0.00	81.87 0.08 0.00	72.92 0.00 0.00	66.10 -0.46 0.00	58.45 -0.89 0.00	55.13 -0.28 0.00	55.56 -0.39 0.00
REGAN___SOLAR 323812	49.73 2.00 0.00	46.84 1.85 0.00	45.01 1.69 0.00	44.85 1.68 0.00	45.28 1.66 0.00	47.86 1.79 0.00	57.98 2.39 0.00	58.64 2.42 0.00	51.06 0.95 0.00	42.36 -0.21 0.00	42.42 -0.60 0.00	42.15 -0.77 0.00	42.30 -0.73 0.00	43.82 -0.40 0.00	48.82 0.20 0.00	58.01 1.31 0.00	75.34 2.90 0.00	86.35 3.64 0.00	85.47 3.68 0.00	76.13 3.20 0.00	69.36 2.80 0.00	61.77 2.43 0.00	57.57 2.16 0.00	58.13 2.18 0.00
RENSSELAER___COGEN 23796	49.29 1.57 0.00	46.39 1.40 0.00	44.58 1.26 0.00	44.42 1.25 0.00	44.84 1.22 0.00	47.31 1.24 0.00	56.93 1.33 0.00	57.63 1.41 0.00	51.31 1.20 0.00	43.50 0.94 0.00	44.01 0.99 0.00	43.87 0.94 0.00	43.93 0.91 0.00	45.15 0.93 0.00	49.64 1.02 0.00	57.78 1.07 0.00	73.52 1.09 0.00	83.87 1.16 0.00	83.09 1.30 0.00	74.08 1.16 0.00	67.70 1.13 0.00	60.64 1.30 0.00	56.63 1.22 0.00	57.29 1.34 0.00
REPUBLIC_115KV_BARTNBRK 55605	53.30 5.58 0.00	50.26 5.26 0.00	48.35 5.03 0.00	48.22 5.05 0.00	48.64 5.02 0.00	51.36 5.30 0.00	62.27 6.67 0.00	63.08 6.86 0.00	55.43 5.31 0.00	46.40 3.83 0.00	46.77 3.74 0.00	46.27 3.35 0.00	46.30 3.27 0.00	47.76 3.54 0.00	52.90 4.28 0.00	62.14 5.44 0.00	80.91 8.48 0.00	92.81 10.09 0.00	91.68 9.90 0.00	81.67 8.75 0.00	74.49 7.92 0.00	66.40 7.06 0.00	61.84 6.43 0.00	62.56 6.60 0.00
REVERE_CPPR_DRP 24186	49.11 1.38 0.00	46.34 1.35 0.00	44.62 1.30 0.00	44.38 1.21 0.00	44.97 1.35 0.00	47.54 1.47 0.00	57.37 1.78 0.00	58.14 1.91 0.00	51.77 1.65 0.00	43.72 1.15 0.00	44.06 1.03 0.00	43.87 0.94 0.00	44.02 0.99 0.00	45.19 0.97 0.00	49.84 1.22 0.00	58.52 1.81 0.00	75.33 2.90 0.00	86.44 3.72 0.00	85.06 3.27 0.00	75.84 2.92 0.00	69.03 2.46 0.00	61.53 2.20 0.00	57.29 1.88 0.00	57.80 1.85 0.00
REYNLDPA_13_KV_LD 356490	47.53 -0.19 0.00	44.90 -0.09 0.00	43.24 -0.09 0.00	43.08 -0.09 0.00	43.58 -0.04 0.00	46.02 -0.05 0.00	55.76 0.17 0.00	56.34 0.11 0.00	50.16 0.05 0.00	42.57 0.00 0.00	43.11 0.09 0.00	43.01 0.09 0.00	43.16 0.13 0.00	44.40 0.18 0.00	48.96 0.34 0.00	56.93 0.23 0.00	73.09 0.65 0.00	83.37 0.66 0.00	82.52 0.73 0.00	73.58 0.65 0.00	67.23 0.67 0.00	59.99 0.65 0.00	56.08 0.67 0.00	56.63 0.67 0.00
REYNOLDS_115KV_TB3 80639	49.39 1.67 0.00	46.52 1.53 0.00	44.75 1.43 0.00	44.55 1.38 0.00	44.93 1.31 0.00	47.45 1.38 0.00	57.21 1.61 0.00	57.91 1.69 0.00	51.52 1.40 0.00	43.72 1.15 0.00	44.23 1.20 0.00	44.13 1.20 0.00	44.15 1.12 0.00	45.37 1.15 0.00	49.88 1.26 0.00	58.12 1.42 0.00	73.96 1.52 0.00	84.37 1.65 0.00	83.59 1.80 0.00	74.45 1.53 0.00	68.10 1.53 0.00	60.94 1.60 0.00	56.85 1.44 0.00	57.58 1.62 0.00
RIVERBAY____ 323610	50.82 3.10 0.00	47.78 2.79 0.00	45.88 2.56 0.00	45.72 2.55 0.00	46.02 2.40 0.00	48.69 2.63 0.00	58.93 3.34 0.00	60.27 4.05 0.00	53.72 3.61 0.00	45.63 3.06 0.00	46.12 3.10 0.00	46.12 3.18 -0.02	46.06 3.01 -0.02	47.23 3.01 0.00	51.78 3.16 0.00	60.44 3.74 0.00	76.93 4.49 0.00	87.68 4.96 0.00	86.94 5.15 0.00	77.59 4.67 0.00	70.96 4.39 0.00	63.37 4.03 0.00	58.79 3.38 0.00	59.25 3.30 0.00
RIVERSDE_115KV_TB3 55908	49.34 1.62 0.00	46.48 1.48 0.00	44.71 1.39 0.00	44.51 1.34 0.00	44.89 1.27 0.00	47.36 1.29 0.00	57.10 1.50 0.00	57.85 1.63 0.00	51.47 1.35 0.00	43.63 1.06 0.00	44.19 1.16 0.00	44.04 1.12 0.00	44.06 1.03 0.00	45.32 1.11 0.00	49.84 1.22 0.00	58.01 1.30 0.00	73.88 1.45 0.00	84.29 1.57 0.00	83.42 1.64 0.00	74.38 1.46 0.00	67.96 1.40 0.00	60.88 1.54 0.00	56.79 1.39 0.00	57.46 1.51 0.00
ROARING___BROOK_WT_PWR 323790	46.58 -1.15 0.00	44.00 -0.99 0.00	42.41 -0.91 0.00	42.35 -0.82 0.00	42.88 -0.74 0.00	45.38 -0.69 0.00	54.93 -0.66 0.00	55.66 -0.56 0.00	49.66 -0.45 0.00	42.23 -0.34 0.00	42.68 -0.35 0.00	42.54 -0.39 0.00	42.60 -0.43 0.00	43.82 -0.40 0.00	48.28 -0.34 0.00	56.42 -0.28 0.00	72.29 -0.14 0.00	82.63 -0.08 0.00	81.79 0.00 0.00	72.92 0.00 0.00	66.57 0.00 0.00	59.28 -0.06 0.00	55.30 -0.11 0.00	55.73 -0.22 0.00



ROCHESRG_115KV_T4 355643	46.77 -0.95 0.00	44.27 -0.72 0.00	42.85 -0.48 0.00	42.74 -0.43 0.00	43.23 -0.39 0.00	45.65 -0.41 0.00	54.93 -0.67 0.00	55.32 -0.90 0.00	49.51 -0.60 0.00	42.23 -0.34 0.00	42.81 -0.22 0.00	42.80 -0.13 0.00	43.12 0.09 0.00	44.35 0.13 0.00	48.82 0.19 0.00	56.64 -0.06 0.00	71.86 -0.58 0.00	82.30 -0.41 0.00	80.64 -1.15 0.00	71.90 -1.02 0.00	65.17 -1.40 0.00	57.73 -1.60 0.00	54.47 -0.94 0.00	54.89 -1.06 0.00
ROCHESTER_9_IC 23652	47.01 -0.72 0.00	44.50 -0.49 0.00	43.11 -0.22 0.00	43.00 -0.17 0.00	43.49 -0.13 0.00	45.93 -0.14 0.00	55.32 -0.28 0.00	55.72 -0.51 0.00	49.86 -0.25 0.00	42.52 -0.04 0.00	43.15 0.13 0.00	43.10 0.17 0.00	43.46 0.43 0.00	44.71 0.49 0.00	49.20 0.58 0.00	57.10 0.40 0.00	72.51 0.07 0.00	83.13 0.41 0.00	81.38 -0.41 0.00	72.56 -0.36 0.00	65.70 -0.87 0.00	58.15 -1.19 0.00	54.85 -0.55 0.00	55.28 -0.67 0.00
ROCKVIEW_13_KV_LD 356306	50.35 2.62 0.00	47.29 2.29 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.63 2.01 0.00	48.23 2.17 0.00	58.32 2.72 0.00	59.54 3.32 0.00	53.07 2.96 0.00	45.04 2.47 0.00	45.56 2.54 0.00	45.54 2.62 0.00	45.48 2.45 0.00	46.61 2.39 0.00	51.15 2.53 0.00	59.71 3.01 0.00	76.13 3.69 0.00	86.85 4.14 0.00	86.12 4.33 0.00	76.79 3.86 0.00	70.16 3.59 0.00	62.60 3.26 0.00	58.18 2.77 0.00	58.64 2.69 0.00
ROME____115KV_TB2 80656	49.11 1.38 0.00	46.34 1.35 0.00	44.62 1.30 0.00	44.38 1.21 0.00	44.97 1.35 0.00	47.54 1.47 0.00	57.37 1.78 0.00	58.14 1.91 0.00	51.77 1.65 0.00	43.72 1.15 0.00	44.06 1.03 0.00	43.87 0.94 0.00	44.02 0.99 0.00	45.19 0.97 0.00	49.84 1.22 0.00	58.52 1.81 0.00	75.33 2.90 0.00	86.44 3.72 0.00	85.06 3.27 0.00	75.84 2.92 0.00	69.03 2.46 0.00	61.53 2.20 0.00	57.29 1.88 0.00	57.80 1.85 0.00
ROSETON____1 23587	49.92 2.20 0.00	46.84 1.85 0.00	45.06 1.73 0.00	44.85 1.68 0.00	45.24 1.61 0.00	47.77 1.71 0.00	57.65 2.06 0.00	58.69 2.47 0.00	52.27 2.15 0.00	44.36 1.79 0.00	44.87 1.85 0.00	44.81 1.89 0.00	44.79 1.76 0.00	45.94 1.72 0.00	50.47 1.85 0.00	58.86 2.15 0.00	75.04 2.60 0.00	85.61 2.89 0.00	84.82 3.03 0.00	75.62 2.70 0.00	69.16 2.59 0.00	61.71 2.38 0.00	57.40 1.99 0.00	57.96 2.01 0.00
ROSETON____2 23588	49.92 2.20 0.00	46.84 1.85 0.00	45.06 1.73 0.00	44.85 1.68 0.00	45.24 1.61 0.00	47.77 1.71 0.00	57.65 2.06 0.00	58.69 2.47 0.00	52.27 2.15 0.00	44.36 1.79 0.00	44.87 1.85 0.00	44.81 1.89 0.00	44.79 1.76 0.00	45.94 1.72 0.00	50.47 1.85 0.00	58.86 2.15 0.00	75.04 2.60 0.00	85.61 2.89 0.00	84.82 3.03 0.00	75.62 2.70 0.00	69.16 2.59 0.00	61.71 2.38 0.00	57.40 1.99 0.00	57.96 2.01 0.00
ROTTRDAM_115KV_TB3 80664	49.25 1.53 0.00	46.39 1.39 0.00	44.62 1.30 0.00	44.47 1.30 0.00	44.89 1.27 0.00	47.40 1.34 0.00	57.26 1.67 0.00	57.97 1.74 0.00	51.47 1.35 0.00	43.59 1.02 0.00	44.01 0.99 0.00	43.87 0.94 0.00	43.93 0.90 0.00	45.19 0.97 0.00	49.74 1.12 0.00	58.12 1.42 0.00	74.39 1.96 0.00	84.95 2.23 0.00	84.00 2.21 0.00	74.89 1.97 0.00	68.43 1.86 0.00	61.06 1.72 0.00	56.96 1.55 0.00	57.58 1.62 0.00
RUSSELL____1 23602	47.20 -0.52 0.00	44.63 -0.36 0.00	43.28 -0.04 0.00	43.17 0.00 0.00	43.66 0.04 0.00	46.07 0.00 0.00	55.54 -0.06 0.00	55.94 -0.28 0.00	50.06 -0.05 0.00	42.70 0.13 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.68 0.65 0.00	44.93 0.71 0.00	49.45 0.83 0.00	57.44 0.74 0.00	72.94 0.51 0.00	83.63 0.91 0.00	81.87 0.08 0.00	72.92 0.00 0.00	66.03 -0.53 0.00	58.45 -0.89 0.00	55.13 -0.28 0.00	55.56 -0.39 0.00
RUSSELL____2 23532	47.20 -0.52 0.00	44.63 -0.36 0.00	43.28 -0.04 0.00	43.17 0.00 0.00	43.66 0.04 0.00	46.07 0.00 0.00	55.54 -0.06 0.00	55.94 -0.28 0.00	50.06 -0.05 0.00	42.70 0.13 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.68 0.65 0.00	44.93 0.71 0.00	49.45 0.83 0.00	57.44 0.74 0.00	72.94 0.51 0.00	83.63 0.91 0.00	81.87 0.08 0.00	72.92 0.00 0.00	66.03 -0.53 0.00	58.45 -0.89 0.00	55.13 -0.28 0.00	55.56 -0.39 0.00
RUSSELL____3 23549	47.20 -0.52 0.00	44.63 -0.36 0.00	43.28 -0.04 0.00	43.17 0.00 0.00	43.66 0.04 0.00	46.07 0.00 0.00	55.54 -0.06 0.00	55.94 -0.28 0.00	50.06 -0.05 0.00	42.70 0.13 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.68 0.65 0.00	44.93 0.71 0.00	49.45 0.83 0.00	57.44 0.74 0.00	72.94 0.51 0.00	83.63 0.91 0.00	81.87 0.08 0.00	72.92 0.00 0.00	66.03 -0.53 0.00	58.45 -0.89 0.00	55.13 -0.28 0.00	55.56 -0.39 0.00
RUSSELL____4 23556	47.20 -0.52 0.00	44.63 -0.36 0.00	43.28 -0.04 0.00	43.17 0.00 0.00	43.66 0.04 0.00	46.07 0.00 0.00	55.54 -0.06 0.00	55.94 -0.28 0.00	50.06 -0.05 0.00	42.70 0.13 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.68 0.65 0.00	44.93 0.71 0.00	49.45 0.83 0.00	57.44 0.74 0.00	72.94 0.51 0.00	83.63 0.91 0.00	81.87 0.08 0.00	72.92 0.00 0.00	66.03 -0.53 0.00	58.45 -0.89 0.00	55.13 -0.28 0.00	55.56 -0.39 0.00
RUSSELL____STATION 23914	47.20 -0.52 0.00	44.63 -0.36 0.00	43.28 -0.04 0.00	43.17 0.00 0.00	43.66 0.04 0.00	46.07 0.00 0.00	55.54 -0.06 0.00	55.94 -0.28 0.00	50.06 -0.05 0.00	42.70 0.13 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.68 0.65 0.00	44.93 0.71 0.00	49.45 0.83 0.00	57.44 0.74 0.00	72.94 0.51 0.00	83.63 0.91 0.00	81.87 0.08 0.00	72.92 0.00 0.00	66.03 -0.53 0.00	58.45 -0.89 0.00	55.13 -0.28 0.00	55.56 -0.39 0.00
S SALMON____HYD 24043	47.05 -0.67 0.00	44.45 -0.54 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.14 -0.48 0.00	45.47 -0.60 0.00	54.76 -0.83 0.00	55.32 -0.90 0.00	49.26 -0.85 0.00	41.84 -0.72 0.00	42.21 -0.82 0.00	42.07 -0.86 0.00	42.21 -0.82 0.00	43.33 -0.88 0.00	47.70 -0.93 0.00	55.85 -0.85 0.00	71.57 -0.87 0.00	81.97 -0.75 0.00	80.89 -0.90 0.00	72.12 -0.80 0.00	65.70 -0.87 0.00	58.63 -0.71 0.00	54.69 -0.72 0.00	55.22 -0.73 0.00
S.PERRY__115KV_TB1 80734	47.91 0.19 0.00	45.40 0.40 0.00	44.10 0.78 0.00	44.12 0.95 0.00	44.76 1.13 0.00	47.26 1.20 0.00	57.26 1.67 0.00	57.85 1.63 0.00	51.57 1.45 0.00	43.67 1.11 0.00	44.10 1.08 0.00	43.95 1.03 0.00	44.36 1.33 0.00	45.72 1.50 0.00	50.37 1.75 0.00	58.80 2.10 0.00	75.12 2.68 0.00	86.77 4.05 0.00	85.06 3.27 0.00	75.76 2.84 0.00	68.43 1.86 0.00	60.23 0.89 0.00	56.68 1.27 0.00	56.85 0.90 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	46.19 -1.53 0.00	43.96 -1.03 0.00	42.59 -0.74 0.00	42.48 -0.69 0.00	43.18 -0.44 0.00	45.60 -0.46 0.00	54.65 -0.95 0.00	54.93 -1.29 0.00	49.21 -0.90 0.00	42.23 -0.34 0.00	42.81 -0.22 0.00	42.84 -0.09 0.00	43.29 0.26 0.00	44.62 0.40 0.00	49.06 0.44 0.00	56.59 -0.11 0.00	71.20 -1.23 0.00	81.72 -0.99 0.00	79.66 -2.13 0.00	71.17 -1.75 0.00	64.10 -2.46 0.00	56.73 -2.61 0.00	53.86 -1.55 0.00	54.33 -1.62 0.00



SAWYER___23_KV_LOAD 55526	46.19 -1.53 0.00	43.96 -1.03 0.00	42.59 -0.74 0.00	42.48 -0.69 0.00	43.18 -0.44 0.00	45.60 -0.46 0.00	54.65 -0.95 0.00	54.93 -1.29 0.00	49.21 -0.90 0.00	42.23 -0.34 0.00	42.81 -0.22 0.00	42.84 -0.09 0.00	43.29 0.26 0.00	44.62 0.40 0.00	49.06 0.44 0.00	56.59 -0.11 0.00	71.20 -1.23 0.00	81.72 -0.99 0.00	79.66 -2.13 0.00	71.17 -1.75 0.00	64.10 -2.46 0.00	56.73 -2.61 0.00	53.86 -1.55 0.00	54.33 -1.62 0.00
SELKIRK___I 23801	49.49 1.77 0.00	46.61 1.62 0.00	44.84 1.52 0.00	44.64 1.47 0.00	45.06 1.44 0.00	47.58 1.52 0.00	57.32 1.73 0.00	58.02 1.80 0.00	51.47 1.35 0.00	43.55 0.98 0.00	44.01 0.99 0.00	43.87 0.94 0.00	43.93 0.91 0.00	45.19 0.97 0.00	49.74 1.12 0.00	58.01 1.31 0.00	74.10 1.67 0.00	84.62 1.90 0.00	83.75 1.96 0.00	74.67 1.75 0.00	68.23 1.66 0.00	60.99 1.66 0.00	56.96 1.55 0.00	57.63 1.68 0.00
SELKIRK___II 23799	49.15 1.43 0.00	46.25 1.26 0.00	44.49 1.17 0.00	44.34 1.17 0.00	44.71 1.09 0.00	47.22 1.15 0.00	56.87 1.28 0.00	57.57 1.35 0.00	51.27 1.15 0.00	43.46 0.90 0.00	43.97 0.95 0.00	43.83 0.90 0.00	43.89 0.86 0.00	45.10 0.88 0.00	49.54 0.92 0.00	57.72 1.02 0.00	73.59 1.16 0.00	83.96 1.24 0.00	83.09 1.30 0.00	74.08 1.16 0.00	67.70 1.13 0.00	60.58 1.25 0.00	56.57 1.17 0.00	57.18 1.23 0.00
SENECA OSWGO___HYD 24041	46.67 -1.05 0.00	44.04 -0.95 0.00	42.41 -0.91 0.00	42.31 -0.86 0.00	42.79 -0.83 0.00	45.14 -0.92 0.00	54.48 -1.11 0.00	54.87 -1.35 0.00	49.01 -1.10 0.00	41.72 -0.85 0.00	42.12 -0.91 0.00	41.98 -0.94 0.00	42.12 -0.91 0.00	43.25 -0.97 0.00	47.50 -1.12 0.00	55.45 -1.25 0.00	70.77 -1.66 0.00	80.90 -1.82 0.00	79.82 -1.96 0.00	71.17 -1.75 0.00	64.90 -1.66 0.00	57.74 -1.60 0.00	53.91 -1.49 0.00	54.39 -1.57 0.00
SENECA___115KV_TB3 355854	46.39 -1.34 0.00	44.23 -0.77 0.00	42.89 -0.43 0.00	42.70 -0.47 0.00	43.53 -0.09 0.00	46.11 0.05 0.00	55.15 -0.45 0.00	55.55 -0.67 0.00	49.77 -0.35 0.00	42.70 0.13 0.00	43.28 0.26 0.00	43.27 0.34 0.00	43.76 0.73 0.00	45.10 0.88 0.00	49.59 0.97 0.00	57.27 0.57 0.00	72.22 -0.22 0.00	82.80 0.08 0.00	80.64 -1.15 0.00	72.05 -0.87 0.00	64.90 -1.66 0.00	57.38 -1.96 0.00	54.35 -1.05 0.00	54.78 -1.18 0.00
SENECA___ENERGY 23797	47.15 -0.57 0.00	44.54 -0.45 0.00	42.93 -0.39 0.00	42.87 -0.30 0.00	43.36 -0.26 0.00	45.79 -0.27 0.00	55.32 -0.28 0.00	55.77 -0.45 0.00	49.81 -0.30 0.00	42.40 -0.17 0.00	42.85 -0.17 0.00	42.75 -0.17 0.00	42.99 -0.04 0.00	44.17 -0.04 0.00	48.57 -0.05 0.00	56.64 -0.06 0.00	72.22 -0.22 0.00	82.63 -0.08 0.00	81.38 -0.41 0.00	72.49 -0.43 0.00	65.97 -0.60 0.00	58.51 -0.83 0.00	54.80 -0.61 0.00	55.22 -0.73 0.00
SHOEMAKER___GT 23640	49.58 1.86 0.00	46.57 1.57 0.00	44.80 1.47 0.00	44.59 1.42 0.00	45.02 1.40 0.00	47.54 1.47 0.00	57.37 1.78 0.00	58.36 2.14 0.00	51.97 1.86 0.00	44.02 1.45 0.00	44.44 1.42 0.00	44.38 1.46 0.00	44.41 1.38 0.00	45.59 1.37 0.00	50.08 1.46 0.00	58.52 1.81 0.00	74.75 2.32 0.00	85.36 2.65 0.00	84.57 2.78 0.00	75.40 2.48 0.00	68.83 2.26 0.00	61.47 2.13 0.00	57.18 1.77 0.00	57.69 1.74 0.00
SHOEMAKR_138KV_BK 111 55601	49.44 1.72 0.00	46.48 1.48 0.00	44.66 1.34 0.00	44.47 1.30 0.00	44.89 1.27 0.00	47.45 1.38 0.00	57.32 1.72 0.00	58.36 2.14 0.00	51.97 1.85 0.00	44.01 1.45 0.00	44.49 1.46 0.00	44.38 1.46 0.00	44.41 1.38 0.00	45.59 1.37 0.00	50.13 1.51 0.00	58.52 1.81 0.00	74.75 2.32 0.00	85.28 2.56 0.00	84.57 2.78 0.00	75.40 2.48 0.00	68.83 2.26 0.00	61.41 2.08 0.00	57.13 1.72 0.00	57.63 1.68 0.00
SHOREHAM_IC_1 23715	52.37 4.05 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.37 3.19 -0.01	46.73 3.10 -0.01	49.48 3.41 -0.01	59.61 4.01 -0.01	65.00 4.66 -4.12	54.03 3.91 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.19 3.26 -0.01	46.18 3.14 -0.01	48.00 3.23 -0.55	55.97 3.45 -3.90	72.42 4.48 -11.24	88.82 6.38 -10.01	98.76 7.36 -8.69	97.97 7.69 -8.50	97.13 6.85 -17.36	86.53 6.59 -13.37	77.82 5.58 -12.90	69.85 4.65 -9.79	60.49 4.53 -0.01
SHOREHAM_IC_2 23716	52.13 3.82 -0.59	48.33 3.33 -0.01	46.45 3.12 -0.01	46.20 3.02 -0.01	46.60 2.97 -0.01	49.30 3.22 -0.01	59.55 3.95 -0.01	65.01 4.67 -4.12	54.03 3.91 -0.01	45.80 3.24 0.00	46.30 3.27 -0.01	46.20 3.26 -0.01	46.18 3.14 -0.01	48.00 3.23 -0.55	55.97 3.45 -3.90	72.37 4.42 -11.24	88.82 6.37 -10.01	98.76 7.36 -8.69	97.97 7.69 -8.50	97.13 6.85 -17.36	86.53 6.59 -13.37	78.11 5.87 -12.90	69.85 4.65 -9.79	60.49 4.53 -0.01
SISSONVILLE____ 23735	47.20 -0.52 0.00	44.72 -0.27 0.00	43.11 -0.22 0.00	42.91 -0.26 0.00	43.40 -0.22 0.00	45.65 -0.41 0.00	55.37 -0.22 0.00	56.00 -0.22 0.00	49.81 -0.30 0.00	42.10 -0.47 0.00	42.64 -0.39 0.00	42.54 -0.39 0.00	42.69 -0.34 0.00	43.91 -0.31 0.00	48.13 -0.49 0.00	55.91 -0.79 0.00	71.86 -0.58 0.00	82.14 -0.58 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.30 -0.27 0.00	59.51 0.18 0.00	55.74 0.33 0.00	56.68 0.73 0.00
SITHE_IND_GS1 24169	46.29 -1.43 0.00	43.69 -1.31 0.00	42.11 -1.21 0.00	41.96 -1.21 0.00	42.45 -1.18 0.00	44.78 -1.29 0.00	54.04 -1.56 0.00	54.37 -1.85 0.00	48.51 -1.61 0.00	41.33 -1.24 0.00	41.69 -1.33 0.00	41.59 -1.33 0.00	41.74 -1.29 0.00	42.85 -1.37 0.00	47.06 -1.56 0.00	54.88 -1.82 0.00	70.05 -2.39 0.00	79.99 -2.73 0.00	78.92 -2.86 0.00	70.37 -2.55 0.00	64.17 -2.39 0.00	57.14 -2.19 0.00	53.42 -1.99 0.00	53.88 -2.07 0.00
SITHE_IND_GS2 24170	46.29 -1.43 0.00	43.69 -1.31 0.00	42.11 -1.21 0.00	41.96 -1.21 0.00	42.45 -1.18 0.00	44.78 -1.29 0.00	54.04 -1.56 0.00	54.37 -1.85 0.00	48.51 -1.61 0.00	41.33 -1.24 0.00	41.69 -1.33 0.00	41.59 -1.33 0.00	41.74 -1.29 0.00	42.85 -1.37 0.00	47.06 -1.56 0.00	54.88 -1.82 0.00	70.05 -2.39 0.00	79.99 -2.73 0.00	78.92 -2.86 0.00	70.37 -2.55 0.00	64.17 -2.39 0.00	57.14 -2.19 0.00	53.42 -1.99 0.00	53.88 -2.07 0.00
SITHE_IND_GS3 24171	46.29 -1.43 0.00	43.69 -1.31 0.00	42.11 -1.21 0.00	41.96 -1.21 0.00	42.45 -1.18 0.00	44.78 -1.29 0.00	54.04 -1.56 0.00	54.37 -1.85 0.00	48.51 -1.61 0.00	41.33 -1.24 0.00	41.69 -1.33 0.00	41.59 -1.33 0.00	41.74 -1.29 0.00	42.85 -1.37 0.00	47.06 -1.56 0.00	54.88 -1.82 0.00	70.05 -2.39 0.00	79.99 -2.73 0.00	78.92 -2.86 0.00	70.37 -2.55 0.00	64.17 -2.39 0.00	57.14 -2.19 0.00	53.42 -1.99 0.00	53.88 -2.07 0.00
SITHE_IND_GS4 24172	46.29 -1.43 0.00	43.69 -1.31 0.00	42.11 -1.21 0.00	41.96 -1.21 0.00	42.45 -1.18 0.00	44.78 -1.29 0.00	54.04 -1.56 0.00	54.37 -1.85 0.00	48.51 -1.61 0.00	41.33 -1.24 0.00	41.69 -1.33 0.00	41.59 -1.33 0.00	41.74 -1.29 0.00	42.85 -1.37 0.00	47.06 -1.56 0.00	54.88 -1.82 0.00	70.05 -2.39 0.00	79.99 -2.73 0.00	78.92 -2.86 0.00	70.37 -2.55 0.00	64.17 -2.39 0.00	57.14 -2.19 0.00	53.42 -1.99 0.00	53.88 -2.07 0.00



SITHE___BATAVIA 24024	47.20 -0.52 0.00	45.04 0.05 0.00	43.71 0.39 0.00	43.51 0.34 0.00	44.19 0.57 0.00	46.71 0.64 0.00	55.76 0.17 0.00	56.06 -0.17 0.00	50.16 0.05 0.00	42.78 0.21 0.00	43.37 0.34 0.00	43.35 0.43 0.00	43.81 0.78 0.00	45.15 0.93 0.00	49.69 1.07 0.00	57.55 0.85 0.00	72.87 0.44 0.00	83.79 1.07 0.00	81.79 0.00 0.00	72.99 0.07 0.00	65.84 -0.73 0.00	58.15 -1.19 0.00	55.13 -0.28 0.00	55.84 -0.11 0.00
SITHE___INDEPEND 23800	46.43 -1.29 0.00	43.78 -1.21 0.00	42.20 -1.13 0.00	42.09 -1.08 0.00	42.53 -1.09 0.00	44.91 -1.15 0.00	54.04 -1.56 0.00	54.37 -1.86 0.00	48.51 -1.60 0.00	41.33 -1.23 0.00	41.69 -1.33 0.00	41.59 -1.33 0.00	41.74 -1.29 0.00	42.85 -1.37 0.00	47.06 -1.56 0.00	54.89 -1.81 0.00	70.05 -2.39 0.00	79.99 -2.73 0.00	78.93 -2.86 0.00	70.37 -2.55 0.00	64.17 -2.40 0.00	57.14 -2.20 0.00	53.41 -1.99 0.00	53.88 -2.07 0.00
SITHE___MASSENA 23902	47.63 -0.10 0.00	45.04 0.05 0.00	43.41 0.09 0.00	43.21 0.04 0.00	43.71 0.09 0.00	46.11 0.05 0.00	55.87 0.28 0.00	56.45 0.23 0.00	50.31 0.20 0.00	42.61 0.04 0.00	43.15 0.13 0.00	43.05 0.13 0.00	43.20 0.17 0.00	44.49 0.27 0.00	48.96 0.34 0.00	56.93 0.23 0.00	73.16 0.72 0.00	83.54 0.83 0.00	82.61 0.82 0.00	73.72 0.80 0.00	67.37 0.80 0.00	60.11 0.77 0.00	56.18 0.78 0.00	56.85 0.89 0.00
SITHE___OGDNSBRG 24021	48.20 0.48 0.00	45.62 0.63 0.00	43.93 0.61 0.00	43.73 0.56 0.00	44.28 0.65 0.00	46.71 0.64 0.00	56.65 1.06 0.00	57.24 1.01 0.00	50.76 0.65 0.00	42.74 0.17 0.00	43.20 0.17 0.00	43.05 0.13 0.00	43.16 0.13 0.00	44.44 0.22 0.00	48.91 0.29 0.00	56.98 0.28 0.00	73.74 1.30 0.00	84.70 1.99 0.00	83.91 2.13 0.00	74.89 1.97 0.00	68.36 1.80 0.00	61.06 1.72 0.00	57.07 1.66 0.00	57.80 1.85 0.00
SITHE___STERLING 23777	48.82 1.10 0.00	46.07 1.08 0.00	44.41 1.08 0.00	44.20 1.03 0.00	44.75 1.13 0.00	47.31 1.24 0.00	57.10 1.50 0.00	57.80 1.57 0.00	51.47 1.35 0.00	43.55 0.98 0.00	43.93 0.90 0.00	43.74 0.81 0.00	43.89 0.86 0.00	45.06 0.84 0.00	49.64 1.02 0.00	58.17 1.47 0.00	74.75 2.32 0.00	85.61 2.89 0.00	84.33 2.54 0.00	75.18 2.26 0.00	68.43 1.86 0.00	60.94 1.60 0.00	56.79 1.39 0.00	57.29 1.34 0.00
SLEIGHT__34_KV_TB1 80719	46.91 -0.81 0.00	44.32 -0.67 0.00	42.85 -0.48 0.00	42.78 -0.39 0.00	43.27 -0.35 0.00	45.65 -0.41 0.00	55.15 -0.44 0.00	55.61 -0.62 0.00	49.71 -0.40 0.00	42.31 -0.26 0.00	42.89 -0.13 0.00	42.80 -0.13 0.00	43.07 0.04 0.00	44.26 0.04 0.00	48.72 0.10 0.00	56.70 0.00 0.00	72.22 -0.22 0.00	82.63 -0.08 0.00	81.13 -0.65 0.00	72.34 -0.58 0.00	65.63 -0.93 0.00	58.15 -1.19 0.00	54.69 -0.72 0.00	55.06 -0.90 0.00
SMITHTWN_69_KV_BK 1 55830	51.99 3.67 -0.60	48.19 3.19 -0.01	46.32 2.99 -0.01	46.07 2.89 -0.01	46.51 2.88 -0.01	49.16 3.09 -0.01	59.50 3.89 -0.01	64.93 4.55 -4.15	54.03 3.91 -0.01	45.80 3.24 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.18 3.14 -0.01	48.00 3.23 -0.55	56.01 3.45 -3.93	72.40 4.37 -11.34	88.61 6.08 -10.09	98.27 6.78 -8.77	97.40 7.03 -8.58	96.63 6.20 -17.51	86.05 5.99 -13.49	77.70 5.34 -13.02	69.43 4.16 -9.87	60.05 4.08 -0.01
SOUTH CAIRO___GT 23612	50.58 2.86 0.00	47.60 2.61 0.00	45.79 2.47 0.00	45.63 2.46 0.00	46.15 2.53 0.00	48.55 2.49 0.00	58.82 3.22 0.00	59.65 3.43 0.00	52.52 2.41 0.00	44.06 1.49 0.00	44.23 1.20 0.00	43.95 1.03 0.00	44.06 1.03 0.00	45.37 1.15 0.00	50.08 1.46 0.00	58.86 2.15 0.00	76.06 3.62 0.00	87.26 4.55 0.00	86.69 4.91 0.00	77.22 4.30 0.00	70.23 3.66 0.00	62.90 3.56 0.00	58.46 3.05 0.00	59.14 3.19 0.00
SOUTH HAMPTN___IC 23720	52.51 4.20 -0.59	48.60 3.60 -0.01	46.71 3.38 -0.01	46.50 3.32 -0.01	46.86 3.23 -0.01	49.62 3.55 -0.01	59.61 4.01 -0.01	65.05 4.72 -4.11	54.13 4.01 -0.01	45.80 3.23 0.00	46.39 3.36 -0.01	46.32 3.39 -0.01	46.27 3.23 -0.01	48.13 3.36 -0.55	56.16 3.65 -3.89	72.62 4.70 -11.22	89.23 6.81 -9.98	99.40 8.02 -8.67	98.69 8.43 -8.48	97.82 7.58 -17.32	87.16 7.26 -13.34	78.44 6.23 -12.88	70.44 5.27 -9.77	61.17 5.20 -0.01
SOUTHDOW_115KV_TB1 355954	46.29 -1.43 0.00	44.14 -0.85 0.00	42.89 -0.43 0.00	42.87 -0.30 0.00	43.80 0.17 0.00	46.57 0.51 0.00	56.32 0.72 0.00	57.12 0.90 0.00	51.22 1.10 0.00	44.01 1.45 0.00	44.53 1.51 0.00	44.56 1.63 0.00	45.10 2.07 0.00	46.43 2.21 0.00	51.05 2.43 0.00	59.03 2.32 0.00	74.61 2.17 0.00	85.78 3.06 0.00	83.42 1.64 0.00	74.23 1.31 0.00	66.50 -0.07 0.00	58.39 -0.95 0.00	54.96 -0.44 0.00	55.00 -0.95 0.00
SOUTHOLD_69_KV_BK 2 55809	52.32 4.01 -0.59	48.42 3.42 -0.01	46.58 3.25 -0.01	46.33 3.15 -0.01	46.68 3.05 -0.01	49.44 3.36 -0.01	59.27 3.67 -0.01	64.77 4.44 -4.11	53.88 3.76 0.00	45.63 3.06 0.00	46.26 3.23 -0.01	46.20 3.26 -0.01	46.18 3.14 -0.01	48.08 3.32 -0.55	56.16 3.65 -3.89	72.74 4.82 -11.22	89.66 7.24 -9.98	100.15 8.77 -8.67	99.59 9.32 -8.48	98.84 8.60 -17.32	88.09 8.19 -13.34	79.69 7.48 -12.88	71.38 6.21 -9.77	62.12 6.15 -0.01
SOUTHOLD___IC 23719	52.51 4.20 -0.59	48.55 3.55 -0.01	46.71 3.38 -0.01	46.50 3.32 -0.01	46.86 3.23 -0.01	49.62 3.55 -0.01	59.33 3.73 -0.01	64.77 4.44 -4.11	53.88 3.76 0.00	45.63 3.07 0.00	46.26 3.23 -0.01	46.19 3.26 -0.01	46.18 3.14 -0.01	48.09 3.32 -0.55	56.16 3.65 -3.89	72.80 4.88 -11.22	89.66 7.24 -9.98	100.15 8.76 -8.67	99.59 9.32 -8.48	98.84 8.60 -17.32	88.09 8.19 -13.34	79.39 7.18 -12.88	71.38 6.20 -9.77	62.12 6.15 -0.01
SOUTH_FORK_WT_PWR 323839	52.04 3.72 -0.59	48.10 3.10 -0.01	46.28 2.95 -0.01	46.07 2.89 -0.01	46.42 2.79 -0.01	49.16 3.09 -0.01	58.55 2.94 -0.01	63.98 3.65 -4.11	53.13 3.01 -0.01	45.04 2.47 0.00	45.70 2.67 -0.01	45.64 2.71 -0.01	45.66 2.63 -0.01	47.56 2.79 -0.55	55.67 3.16 -3.89	72.29 4.37 -11.22	89.08 6.66 -9.98	99.57 8.19 -8.67	99.18 8.92 -8.48	98.62 8.38 -17.32	88.02 8.12 -13.34	79.45 7.24 -12.88	71.44 6.26 -9.77	62.23 6.27 -0.01
SPIERFLS_115KV_TB 1 80737	51.01 3.29 0.00	48.05 3.06 0.00	46.22 2.90 0.00	46.06 2.89 0.00	46.46 2.84 0.00	49.06 2.99 0.00	59.38 3.78 0.00	60.16 3.94 0.00	53.22 3.11 0.00	44.82 2.26 0.00	45.22 2.19 0.00	44.94 2.02 0.00	45.01 1.98 0.00	46.25 2.03 0.00	51.05 2.43 0.00	59.82 3.12 0.00	77.00 4.56 0.00	88.01 5.29 0.00	87.02 5.23 0.00	77.51 4.59 0.00	70.89 4.33 0.00	63.25 3.92 0.00	59.01 3.60 0.00	59.70 3.75 0.00
ST LAWRENCE____ 23600	47.05 -0.67 0.00	44.45 -0.54 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.10 -0.52 0.00	45.56 -0.51 0.00	55.09 -0.50 0.00	55.72 -0.51 0.00	49.66 -0.45 0.00	42.14 -0.43 0.00	42.68 -0.35 0.00	42.58 -0.34 0.00	42.73 -0.30 0.00	43.96 -0.26 0.00	48.43 -0.19 0.00	56.42 -0.28 0.00	72.29 -0.14 0.00	82.55 -0.17 0.00	81.71 -0.08 0.00	72.85 -0.07 0.00	66.57 0.00 0.00	59.34 0.00 0.00	55.46 0.06 0.00	56.01 0.06 0.00



STATE_CA_115KV_115_LB 55624	49.44 1.72 0.00	46.57 1.57 0.00	44.79 1.47 0.00	44.60 1.42 0.00	45.02 1.40 0.00	47.45 1.38 0.00	57.21 1.61 0.00	57.97 1.74 0.00	51.57 1.45 0.00	43.72 1.15 0.00	44.27 1.25 0.00	44.08 1.16 0.00	44.15 1.12 0.00	45.41 1.19 0.00	49.93 1.31 0.00	58.12 1.42 0.00	74.03 1.59 0.00	84.45 1.74 0.00	83.59 1.80 0.00	74.45 1.53 0.00	68.10 1.53 0.00	61.00 1.66 0.00	56.96 1.55 0.00	57.58 1.62 0.00
STATE_ST_34_KV_LOAD 55959	47.67 -0.05 0.00	44.95 -0.04 0.00	43.32 0.00 0.00	43.26 0.09 0.00	43.75 0.13 0.00	46.16 0.09 0.00	55.82 0.22 0.00	56.28 0.06 0.00	50.21 0.10 0.00	42.70 0.13 0.00	43.15 0.13 0.00	43.01 0.09 0.00	43.20 0.17 0.00	44.35 0.13 0.00	48.77 0.15 0.00	56.98 0.28 0.00	72.87 0.43 0.00	83.46 0.74 0.00	82.20 0.41 0.00	73.29 0.36 0.00	66.70 0.13 0.00	59.16 -0.18 0.00	55.30 -0.11 0.00	55.67 -0.28 0.00
STATION_5_MISC_HYD 23604	46.91 -0.81 0.00	44.50 -0.49 0.00	43.06 -0.26 0.00	42.91 -0.26 0.00	43.45 -0.17 0.00	45.93 -0.14 0.00	55.26 -0.33 0.00	55.72 -0.51 0.00	49.86 -0.25 0.00	42.52 -0.04 0.00	43.15 0.13 0.00	43.10 0.17 0.00	43.46 0.43 0.00	44.71 0.49 0.00	49.21 0.59 0.00	57.10 0.40 0.00	72.58 0.15 0.00	83.13 0.42 0.00	81.38 -0.41 0.00	72.56 -0.36 0.00	65.70 -0.87 0.00	58.15 -1.19 0.00	54.85 -0.55 0.00	55.28 -0.67 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	47.05 -0.67 0.00	44.45 -0.54 0.00	43.02 -0.30 0.00	42.95 -0.22 0.00	43.40 -0.22 0.00	45.84 -0.23 0.00	55.26 -0.33 0.00	55.77 -0.45 0.00	49.86 -0.25 0.00	42.44 -0.13 0.00	43.02 0.00 0.00	42.92 0.00 0.00	43.24 0.22 0.00	44.44 0.22 0.00	48.91 0.29 0.00	56.87 0.17 0.00	72.44 0.00 0.00	82.88 0.17 0.00	81.38 -0.41 0.00	72.48 -0.44 0.00	65.77 -0.80 0.00	58.27 -1.07 0.00	54.80 -0.61 0.00	55.23 -0.73 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	46.72 -1.00 0.00	44.23 -0.76 0.00	42.80 -0.52 0.00	42.70 -0.47 0.00	43.18 -0.44 0.00	45.60 -0.46 0.00	54.93 -0.67 0.00	55.38 -0.84 0.00	49.51 -0.60 0.00	42.23 -0.34 0.00	42.85 -0.17 0.00	42.80 -0.13 0.00	43.16 0.13 0.00	44.40 0.18 0.00	48.82 0.19 0.00	56.70 0.00 0.00	72.00 -0.43 0.00	82.47 -0.25 0.00	80.81 -0.98 0.00	72.05 -0.88 0.00	65.24 -1.33 0.00	57.79 -1.54 0.00	54.47 -0.94 0.00	54.95 -1.01 0.00
STA_56___34_KV_BUS2 355983	46.72 -1.00 0.00	44.23 -0.76 0.00	42.80 -0.52 0.00	42.70 -0.47 0.00	43.18 -0.44 0.00	45.60 -0.46 0.00	54.93 -0.67 0.00	55.38 -0.84 0.00	49.51 -0.60 0.00	42.23 -0.34 0.00	42.85 -0.17 0.00	42.80 -0.13 0.00	43.16 0.13 0.00	44.40 0.18 0.00	48.82 0.19 0.00	56.70 0.00 0.00	72.00 -0.43 0.00	82.47 -0.25 0.00	80.81 -0.98 0.00	72.05 -0.88 0.00	65.24 -1.33 0.00	57.79 -1.54 0.00	54.47 -0.94 0.00	54.95 -1.01 0.00
STA_67___115KV_BK2 355882	46.96 -0.76 0.00	44.45 -0.54 0.00	43.02 -0.30 0.00	42.95 -0.22 0.00	43.45 -0.17 0.00	45.88 -0.18 0.00	55.21 -0.39 0.00	55.61 -0.62 0.00	49.76 -0.35 0.00	42.44 -0.13 0.00	43.07 0.04 0.00	43.01 0.09 0.00	43.37 0.34 0.00	44.62 0.40 0.00	49.11 0.49 0.00	56.98 0.28 0.00	72.36 -0.07 0.00	82.88 0.17 0.00	81.13 -0.65 0.00	72.34 -0.58 0.00	65.57 -1.00 0.00	58.03 -1.31 0.00	54.74 -0.66 0.00	55.23 -0.73 0.00
STA_7___115KV_9TRANS 80674	47.20 -0.52 0.00	44.63 -0.36 0.00	43.28 -0.04 0.00	43.17 0.00 0.00	43.66 0.04 0.00	46.07 0.00 0.00	55.54 -0.06 0.00	55.94 -0.28 0.00	50.06 -0.05 0.00	42.70 0.13 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.68 0.65 0.00	44.93 0.71 0.00	49.45 0.83 0.00	57.44 0.74 0.00	72.94 0.51 0.00	83.63 0.91 0.00	81.87 0.08 0.00	72.92 0.00 0.00	66.03 -0.53 0.00	58.45 -0.89 0.00	55.13 -0.28 0.00	55.56 -0.39 0.00
STA_82___115KV_TB1 80780	46.91 -0.81 0.00	44.41 -0.58 0.00	43.02 -0.30 0.00	42.91 -0.26 0.00	43.40 -0.22 0.00	45.84 -0.23 0.00	55.21 -0.39 0.00	55.61 -0.62 0.00	49.71 -0.40 0.00	42.40 -0.17 0.00	43.02 0.00 0.00	42.97 0.04 0.00	43.33 0.30 0.00	44.57 0.35 0.00	49.06 0.44 0.00	56.93 0.23 0.00	72.29 -0.14 0.00	82.80 0.08 0.00	81.05 -0.74 0.00	72.26 -0.66 0.00	65.50 -1.07 0.00	57.97 -1.36 0.00	54.69 -0.72 0.00	55.17 -0.78 0.00
STEEL___WIND 323596	46.34 -1.39 0.00	44.14 -0.86 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.49 -0.13 0.00	46.02 -0.05 0.00	55.09 -0.50 0.00	55.44 -0.79 0.00	49.66 -0.45 0.00	42.61 0.04 0.00	43.20 0.17 0.00	43.23 0.30 0.00	43.72 0.69 0.00	45.06 0.84 0.00	49.54 0.92 0.00	57.21 0.51 0.00	72.15 -0.29 0.00	82.72 0.00 0.00	80.64 -1.15 0.00	71.97 -0.95 0.00	64.84 -1.73 0.00	57.32 -2.02 0.00	54.30 -1.11 0.00	54.72 -1.23 0.00
STEPHTWN_115KV_BK_2 55603	49.68 1.96 0.00	46.79 1.80 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.23 1.61 0.00	47.72 1.66 0.00	57.60 2.00 0.00	58.30 2.08 0.00	51.87 1.75 0.00	43.93 1.36 0.00	44.44 1.42 0.00	44.25 1.33 0.00	44.28 1.25 0.00	45.59 1.37 0.00	50.13 1.51 0.00	58.40 1.70 0.00	74.46 2.03 0.00	85.03 2.32 0.00	84.16 2.37 0.00	74.96 2.04 0.00	68.50 1.93 0.00	61.35 2.02 0.00	57.29 1.88 0.00	57.91 1.96 0.00
STEUBEN_REC_LFGE 323667	45.96 -1.77 0.00	43.69 -1.30 0.00	42.46 -0.87 0.00	42.65 -0.52 0.00	43.49 -0.13 0.00	46.07 0.00 0.00	55.93 0.33 0.00	56.73 0.51 0.00	50.76 0.65 0.00	43.25 0.68 0.00	43.76 0.73 0.00	43.70 0.77 0.00	44.15 1.12 0.00	45.59 1.37 0.00	50.32 1.70 0.00	58.69 1.98 0.00	74.68 2.25 0.00	85.78 3.06 0.00	83.91 2.13 0.00	74.60 1.68 0.00	67.03 0.47 0.00	58.62 -0.71 0.00	54.80 -0.61 0.00	54.67 -1.29 0.00
STILLWATER___SOLAR 323814	50.49 2.77 0.00	47.55 2.56 0.00	45.70 2.38 0.00	45.54 2.37 0.00	45.97 2.35 0.00	48.55 2.49 0.00	58.59 3.00 0.00	59.31 3.09 0.00	52.57 2.45 0.00	44.36 1.79 0.00	44.79 1.76 0.00	44.55 1.63 0.00	44.62 1.59 0.00	45.90 1.68 0.00	50.66 2.04 0.00	59.25 2.55 0.00	76.06 3.62 0.00	86.93 4.22 0.00	85.96 4.17 0.00	76.57 3.64 0.00	69.96 3.39 0.00	62.48 3.14 0.00	58.23 2.82 0.00	58.92 2.96 0.00
STONY___BROOK 24151	52.13 3.82 -0.59	48.28 3.28 -0.01	46.36 3.03 -0.01	46.20 3.02 -0.01	46.60 2.97 -0.01	49.30 3.22 -0.01	59.49 3.89 -0.01	64.86 4.50 -4.14	53.98 3.86 -0.01	45.76 3.19 0.00	46.26 3.23 -0.01	46.19 3.26 -0.01	46.14 3.10 -0.01	47.96 3.19 -0.55	55.94 3.40 -3.92	72.31 4.31 -11.30	88.50 6.01 -10.05	98.15 6.70 -8.73	97.28 6.95 -8.54	96.49 6.13 -17.45	85.93 5.92 -13.44	77.35 5.04 -12.97	69.40 4.16 -9.84	59.99 4.03 -0.01
STURGEON_POOL_HYD 23609	49.87 2.15 0.00	46.88 1.89 0.00	45.05 1.73 0.00	44.85 1.68 0.00	45.28 1.66 0.00	47.82 1.75 0.00	57.82 2.22 0.00	58.98 2.75 0.00	52.42 2.31 0.00	44.36 1.79 0.00	44.79 1.76 0.00	44.73 1.80 0.00	44.71 1.68 0.00	45.94 1.72 0.00	50.42 1.80 0.00	58.97 2.27 0.00	75.33 2.90 0.00	86.02 3.31 0.00	85.39 3.60 0.00	76.13 3.21 0.00	69.50 2.93 0.00	62.07 2.73 0.00	57.62 2.22 0.00	58.19 2.24 0.00



ST_LAW_115_BK7_LBMP 345037	47.05 -0.67 0.00	44.45 -0.54 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.14 -0.48 0.00	45.56 -0.51 0.00	55.09 -0.50 0.00	55.72 -0.51 0.00	49.66 -0.45 0.00	42.14 -0.43 0.00	42.64 -0.39 0.00	42.58 -0.34 0.00	42.68 -0.35 0.00	43.96 -0.26 0.00	48.38 -0.24 0.00	56.36 -0.34 0.00	72.29 -0.14 0.00	82.55 -0.17 0.00	81.71 -0.08 0.00	72.92 0.00 0.00	66.57 0.00 0.00	59.40 0.06 0.00	55.46 0.06 0.00	56.07 0.11 0.00
ST_LAW_115_BK8_LBMP 345038	47.05 -0.67 0.00	44.45 -0.54 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.14 -0.48 0.00	45.56 -0.51 0.00	55.09 -0.50 0.00	55.72 -0.51 0.00	49.66 -0.45 0.00	42.14 -0.43 0.00	42.64 -0.39 0.00	42.58 -0.34 0.00	42.68 -0.35 0.00	43.96 -0.26 0.00	48.38 -0.24 0.00	56.36 -0.34 0.00	72.29 -0.14 0.00	82.55 -0.17 0.00	81.71 -0.08 0.00	72.92 0.00 0.00	66.57 0.00 0.00	59.40 0.06 0.00	55.46 0.06 0.00	56.07 0.11 0.00
ST_LAW_230_BK5_LBMP 345035	47.05 -0.67 0.00	44.45 -0.54 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.10 -0.52 0.00	45.56 -0.51 0.00	55.09 -0.50 0.00	55.72 -0.51 0.00	49.66 -0.45 0.00	42.14 -0.43 0.00	42.68 -0.35 0.00	42.58 -0.34 0.00	42.73 -0.30 0.00	43.96 -0.26 0.00	48.43 -0.19 0.00	56.42 -0.28 0.00	72.29 -0.14 0.00	82.55 -0.17 0.00	81.71 -0.08 0.00	72.85 -0.07 0.00	66.57 0.00 0.00	59.34 0.00 0.00	55.46 0.06 0.00	56.01 0.06 0.00
ST_LAW_230_BK6_LBMP 345036	47.05 -0.67 0.00	44.45 -0.54 0.00	42.80 -0.52 0.00	42.65 -0.52 0.00	43.10 -0.52 0.00	45.56 -0.51 0.00	55.09 -0.50 0.00	55.72 -0.51 0.00	49.66 -0.45 0.00	42.14 -0.43 0.00	42.68 -0.35 0.00	42.58 -0.34 0.00	42.73 -0.30 0.00	43.96 -0.26 0.00	48.43 -0.19 0.00	56.42 -0.28 0.00	72.29 -0.14 0.00	82.55 -0.17 0.00	81.71 -0.08 0.00	72.85 -0.07 0.00	66.57 0.00 0.00	59.34 0.00 0.00	55.46 0.06 0.00	56.01 0.06 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	49.63 1.91 0.00	46.66 1.66 0.00	44.84 1.52 0.00	44.64 1.47 0.00	45.06 1.44 0.00	47.59 1.52 0.00	57.48 1.89 0.00	58.64 2.42 0.00	52.22 2.10 0.00	44.23 1.66 0.00	44.74 1.72 0.00	44.64 1.72 0.00	44.66 1.64 0.00	45.86 1.64 0.00	50.32 1.70 0.00	58.80 2.10 0.00	75.04 2.61 0.00	85.61 2.90 0.00	84.90 3.11 0.00	75.69 2.77 0.00	69.10 2.53 0.00	61.71 2.37 0.00	57.35 1.94 0.00	57.86 1.90 0.00
SWANROAD_115KV_TB1 355699	46.05 -1.67 0.00	44.00 -0.99 0.00	42.63 -0.69 0.00	42.52 -0.65 0.00	43.18 -0.44 0.00	45.42 -0.64 0.00	53.82 -1.78 0.00	53.86 -2.36 0.00	48.26 -1.85 0.00	41.38 -1.19 0.00	41.99 -1.03 0.00	42.02 -0.90 0.00	42.47 -0.56 0.00	43.78 -0.44 0.00	48.13 -0.49 0.00	55.51 -1.19 0.00	69.76 -2.68 0.00	79.99 -2.73 0.00	77.94 -3.84 0.00	69.71 -3.21 0.00	62.77 -3.79 0.00	55.66 -3.68 0.00	52.91 -2.49 0.00	53.94 -2.01 0.00
SYNERGY___BIOGAS 323694	47.34 -0.38 0.00	45.04 0.04 0.00	43.71 0.39 0.00	43.60 0.43 0.00	44.19 0.57 0.00	46.62 0.55 0.00	55.76 0.17 0.00	56.05 -0.17 0.00	50.16 0.05 0.00	42.78 0.21 0.00	43.37 0.34 0.00	43.35 0.43 0.00	43.80 0.77 0.00	45.15 0.93 0.00	49.69 1.07 0.00	57.55 0.85 0.00	72.87 0.43 0.00	83.79 1.08 0.00	81.79 0.00 0.00	72.99 0.07 0.00	65.83 -0.73 0.00	58.15 -1.19 0.00	55.13 -0.28 0.00	55.84 -0.11 0.00
SYRACUSE___ENERGY_ST1 323597	47.48 -0.24 0.00	44.81 -0.18 0.00	43.15 -0.17 0.00	43.08 -0.09 0.00	43.53 -0.09 0.00	45.93 -0.14 0.00	55.43 -0.17 0.00	55.89 -0.34 0.00	49.91 -0.20 0.00	42.48 -0.09 0.00	42.89 -0.13 0.00	42.75 -0.17 0.00	42.90 -0.13 0.00	44.09 -0.13 0.00	48.43 -0.19 0.00	56.53 -0.17 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.30 -0.49 0.00	72.48 -0.44 0.00	66.03 -0.53 0.00	58.74 -0.59 0.00	54.91 -0.50 0.00	55.34 -0.62 0.00
SYRACUSE___ENERGY_ST2 323598	47.48 -0.24 0.00	44.81 -0.18 0.00	43.15 -0.17 0.00	43.08 -0.09 0.00	43.53 -0.09 0.00	45.93 -0.14 0.00	55.43 -0.17 0.00	55.89 -0.34 0.00	49.91 -0.20 0.00	42.48 -0.09 0.00	42.89 -0.13 0.00	42.75 -0.17 0.00	42.90 -0.13 0.00	44.09 -0.13 0.00	48.43 -0.19 0.00	56.53 -0.17 0.00	72.15 -0.29 0.00	82.47 -0.25 0.00	81.30 -0.49 0.00	72.48 -0.44 0.00	66.03 -0.53 0.00	58.74 -0.59 0.00	54.91 -0.50 0.00	55.34 -0.62 0.00
SYRACUSE___POWER 24017	47.43 -0.29 0.00	44.72 -0.27 0.00	43.11 -0.22 0.00	43.00 -0.17 0.00	43.49 -0.13 0.00	45.88 -0.18 0.00	55.32 -0.28 0.00	55.83 -0.39 0.00	49.81 -0.30 0.00	42.40 -0.17 0.00	42.81 -0.22 0.00	42.67 -0.26 0.00	42.81 -0.22 0.00	44.00 -0.22 0.00	48.38 -0.24 0.00	56.42 -0.28 0.00	72.07 -0.36 0.00	82.38 -0.33 0.00	81.22 -0.57 0.00	72.41 -0.51 0.00	65.97 -0.60 0.00	58.68 -0.65 0.00	54.80 -0.61 0.00	55.23 -0.73 0.00
TALLMAN__138KV_BK151 55660	49.82 2.10 0.00	46.84 1.84 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.19 1.57 0.00	47.72 1.66 0.00	57.71 2.11 0.00	58.92 2.70 0.00	52.47 2.36 0.00	44.53 1.96 0.00	45.00 1.98 0.00	44.98 2.06 0.00	44.97 1.94 0.00	46.12 1.90 0.00	50.61 1.99 0.00	59.08 2.38 0.00	75.41 2.97 0.00	86.02 3.31 0.00	85.22 3.44 0.00	75.98 3.06 0.00	69.43 2.86 0.00	62.01 2.67 0.00	57.57 2.16 0.00	58.08 2.13 0.00
TEALLAVE_115KV_TB7 355573	47.29 -0.43 0.00	44.59 -0.40 0.00	42.93 -0.39 0.00	42.87 -0.30 0.00	43.32 -0.31 0.00	45.74 -0.32 0.00	55.15 -0.44 0.00	55.55 -0.67 0.00	49.61 -0.50 0.00	42.23 -0.34 0.00	42.68 -0.34 0.00	42.54 -0.39 0.00	42.69 -0.34 0.00	43.82 -0.40 0.00	48.18 -0.44 0.00	56.19 -0.51 0.00	71.71 -0.72 0.00	81.97 -0.74 0.00	80.81 -0.98 0.00	72.05 -0.88 0.00	65.63 -0.93 0.00	58.39 -0.95 0.00	54.58 -0.83 0.00	55.00 -0.95 0.00
TELGRAPH_34_KV_EAST 80808	46.72 -1.00 0.00	44.54 -0.45 0.00	43.19 -0.13 0.00	43.08 -0.09 0.00	43.71 0.09 0.00	46.07 0.00 0.00	54.98 -0.61 0.00	55.16 -1.07 0.00	49.41 -0.70 0.00	42.27 -0.30 0.00	42.89 -0.13 0.00	42.88 -0.04 0.00	43.33 0.30 0.00	44.66 0.44 0.00	49.11 0.49 0.00	56.76 0.06 0.00	71.57 -0.87 0.00	82.22 -0.50 0.00	80.23 -1.55 0.00	71.61 -1.31 0.00	64.57 -2.00 0.00	57.14 -2.20 0.00	54.19 -1.22 0.00	55.00 -0.95 0.00
TEMPLE___115KV_TB 2 55572	47.29 -0.43 0.00	44.59 -0.40 0.00	42.98 -0.35 0.00	42.87 -0.30 0.00	43.36 -0.26 0.00	45.74 -0.32 0.00	55.15 -0.44 0.00	55.61 -0.62 0.00	49.61 -0.50 0.00	42.27 -0.30 0.00	42.68 -0.34 0.00	42.54 -0.39 0.00	42.69 -0.34 0.00	43.87 -0.35 0.00	48.18 -0.44 0.00	56.25 -0.45 0.00	71.78 -0.65 0.00	81.97 -0.74 0.00	80.81 -0.98 0.00	72.05 -0.88 0.00	65.70 -0.87 0.00	58.39 -0.95 0.00	54.58 -0.83 0.00	55.06 -0.90 0.00
TIANA____69_KV_BK 1 55817	52.27 3.96 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.37 3.19 -0.01	46.73 3.10 -0.01	49.44 3.36 -0.01	59.66 4.06 -0.01	65.11 4.78 -4.11	54.18 4.06 -0.01	45.89 3.32 0.00	46.43 3.40 -0.01	46.32 3.39 -0.01	46.31 3.27 -0.01	48.13 3.36 -0.55	56.16 3.65 -3.89	72.63 4.71 -11.22	89.16 6.74 -9.98	99.24 7.86 -8.67	98.45 8.18 -8.48	97.60 7.37 -17.32	86.96 7.06 -13.34	78.56 6.35 -12.88	70.27 5.10 -9.77	60.94 4.98 -0.01



TILDEN___115KV_TB1 80814	47.43 -0.29 0.00	44.72 -0.27 0.00	43.11 -0.22 0.00	43.00 -0.17 0.00	43.49 -0.13 0.00	45.88 -0.18 0.00	55.32 -0.28 0.00	55.83 -0.39 0.00	49.81 -0.30 0.00	42.40 -0.17 0.00	42.81 -0.22 0.00	42.67 -0.26 0.00	42.81 -0.22 0.00	44.00 -0.22 0.00	48.38 -0.24 0.00	56.42 -0.28 0.00	72.07 -0.36 0.00	82.38 -0.33 0.00	81.22 -0.57 0.00	72.41 -0.51 0.00	65.97 -0.60 0.00	58.68 -0.65 0.00	54.80 -0.61 0.00	55.23 -0.73 0.00
TRIGEN___CC 323695	51.61 2.82 -1.08	47.57 2.56 -0.02	45.68 2.34 -0.02	45.52 2.33 -0.02	45.99 2.36 -0.02	48.57 2.49 -0.02	58.67 3.06 -0.02	67.31 3.60 -7.49	53.34 3.21 -0.02	45.38 2.81 0.00	45.79 2.75 -0.02	45.73 2.79 -0.02	45.67 2.62 -0.02	47.78 2.56 -1.00	58.44 2.72 -7.10	80.45 3.29 -20.46	94.84 4.20 -18.21	103.08 4.63 -15.74	102.09 4.91 -15.39	108.73 4.30 -31.51	94.95 4.13 -24.26	86.54 3.80 -23.41	76.27 3.05 -17.81	58.93 2.97 -0.02
TRINITY___115KV___4 BK 55933	49.25 1.53 0.00	46.39 1.39 0.00	44.62 1.30 0.00	44.42 1.25 0.00	44.80 1.18 0.00	47.31 1.24 0.00	56.98 1.39 0.00	57.74 1.52 0.00	51.37 1.25 0.00	43.59 1.02 0.00	44.10 1.08 0.00	43.95 1.03 0.00	44.02 0.99 0.00	45.24 1.02 0.00	49.74 1.12 0.00	57.89 1.19 0.00	73.67 1.23 0.00	84.04 1.32 0.00	83.26 1.47 0.00	74.16 1.24 0.00	67.83 1.26 0.00	60.76 1.42 0.00	56.74 1.33 0.00	57.35 1.40 0.00
UNION___PROCESSING_DRP 323587	46.91 -0.81 0.00	44.41 -0.58 0.00	43.02 -0.30 0.00	42.91 -0.26 0.00	43.40 -0.22 0.00	45.84 -0.23 0.00	55.21 -0.39 0.00	55.61 -0.62 0.00	49.76 -0.35 0.00	42.40 -0.17 0.00	43.02 0.00 0.00	42.97 0.04 0.00	43.33 0.30 0.00	44.57 0.35 0.00	49.06 0.44 0.00	56.93 0.23 0.00	72.29 -0.14 0.00	82.80 0.08 0.00	81.13 -0.65 0.00	72.34 -0.58 0.00	65.50 -1.07 0.00	58.03 -1.31 0.00	54.74 -0.66 0.00	55.17 -0.78 0.00
UPPER HUDSON___HYD 24058	51.06 3.34 0.00	48.09 3.10 0.00	46.27 2.95 0.00	46.11 2.94 0.00	46.54 2.92 0.00	49.11 3.04 0.00	59.38 3.78 0.00	60.16 3.93 0.00	53.22 3.11 0.00	44.82 2.25 0.00	45.22 2.19 0.00	44.94 2.02 0.00	45.01 1.98 0.00	46.25 2.04 0.00	51.05 2.43 0.00	59.82 3.12 0.00	77.00 4.57 0.00	88.01 5.30 0.00	87.03 5.24 0.00	77.52 4.60 0.00	70.89 4.32 0.00	63.25 3.92 0.00	59.01 3.60 0.00	59.70 3.75 0.00
UPPER RAQUET___HYD 24056	47.20 -0.52 0.00	44.77 -0.22 0.00	43.15 -0.17 0.00	42.96 -0.21 0.00	43.40 -0.22 0.00	45.65 -0.42 0.00	55.37 -0.22 0.00	56.00 -0.22 0.00	49.81 -0.30 0.00	42.10 -0.47 0.00	42.64 -0.39 0.00	42.54 -0.39 0.00	42.68 -0.35 0.00	43.91 -0.31 0.00	48.13 -0.49 0.00	55.91 -0.79 0.00	71.78 -0.65 0.00	82.14 -0.57 0.00	81.38 -0.41 0.00	72.63 -0.29 0.00	66.30 -0.27 0.00	59.51 0.18 0.00	55.74 0.33 0.00	56.68 0.73 0.00
VALLEY44_115KV_TB2 355964	46.29 -1.43 0.00	43.96 -1.03 0.00	42.59 -0.74 0.00	42.52 -0.65 0.00	43.23 -0.39 0.00	45.74 -0.32 0.00	55.09 -0.50 0.00	55.49 -0.73 0.00	49.66 -0.45 0.00	42.57 0.00 0.00	43.07 0.04 0.00	43.05 0.13 0.00	43.46 0.43 0.00	44.75 0.53 0.00	49.20 0.58 0.00	56.98 0.28 0.00	72.07 -0.36 0.00	82.72 0.00 0.00	80.72 -1.06 0.00	72.12 -0.80 0.00	64.97 -1.60 0.00	57.32 -2.02 0.00	54.08 -1.33 0.00	54.55 -1.40 0.00
VALLEY___115KV_TB 1-4 80826	49.34 1.62 0.00	46.57 1.57 0.00	44.88 1.56 0.00	44.72 1.55 0.00	45.32 1.70 0.00	47.91 1.84 0.00	57.87 2.28 0.00	58.58 2.36 0.00	52.27 2.15 0.00	44.36 1.79 0.00	44.79 1.76 0.00	44.68 1.76 0.00	44.84 1.81 0.00	46.12 1.90 0.00	50.86 2.24 0.00	59.54 2.84 0.00	76.28 3.84 0.00	87.26 4.55 0.00	86.20 4.42 0.00	76.86 3.94 0.00	70.09 3.53 0.00	62.42 3.09 0.00	58.34 2.94 0.00	58.86 2.91 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	49.63 1.91 0.00	46.79 1.80 0.00	45.01 1.69 0.00	44.77 1.60 0.00	45.32 1.70 0.00	47.95 1.89 0.00	57.87 2.28 0.00	58.81 2.59 0.00	52.52 2.41 0.00	44.40 1.83 0.00	44.79 1.76 0.00	44.73 1.80 0.00	44.88 1.85 0.00	46.08 1.86 0.00	50.81 2.19 0.00	59.48 2.78 0.00	76.28 3.84 0.00	87.18 4.47 0.00	85.88 4.09 0.00	76.57 3.65 0.00	69.76 3.20 0.00	62.01 2.67 0.00	57.74 2.33 0.00	58.25 2.29 0.00
VISCHER___FERRY HYD 24020	49.96 2.24 0.00	47.02 2.03 0.00	45.18 1.86 0.00	44.98 1.81 0.00	45.41 1.79 0.00	47.91 1.84 0.00	57.76 2.17 0.00	58.47 2.25 0.00	52.02 1.90 0.00	44.02 1.45 0.00	44.53 1.51 0.00	44.38 1.46 0.00	44.41 1.38 0.00	45.63 1.41 0.00	50.27 1.65 0.00	58.63 1.93 0.00	74.97 2.53 0.00	85.61 2.89 0.00	84.73 2.94 0.00	75.47 2.55 0.00	68.96 2.39 0.00	61.65 2.31 0.00	57.51 2.10 0.00	58.13 2.18 0.00
V_A_10_SYNC_DSASP 323832	46.10 -1.62 0.00	43.78 -1.21 0.00	42.37 -0.95 0.00	42.26 -0.91 0.00	42.88 -0.74 0.00	45.24 -0.83 0.00	54.26 -1.33 0.00	54.54 -1.69 0.00	48.86 -1.25 0.00	41.80 -0.77 0.00	42.42 -0.60 0.00	42.41 -0.52 0.00	42.77 -0.26 0.00	44.04 -0.18 0.00	48.43 -0.19 0.00	56.02 -0.68 0.00	70.63 -1.81 0.00	80.90 -1.82 0.00	79.09 -2.70 0.00	70.66 -2.26 0.00	63.77 -2.80 0.00	56.55 -2.79 0.00	53.58 -1.83 0.00	54.05 -1.90 0.00
V_CMM_10_SYNC_DSASP 323787	47.29 -0.43 0.00	44.63 -0.36 0.00	43.02 -0.30 0.00	42.87 -0.30 0.00	43.36 -0.26 0.00	45.79 -0.28 0.00	55.43 -0.17 0.00	56.00 -0.22 0.00	49.91 -0.20 0.00	42.35 -0.21 0.00	42.85 -0.17 0.00	42.80 -0.13 0.00	42.94 -0.09 0.00	44.17 -0.04 0.00	48.67 0.05 0.00	56.64 -0.06 0.00	72.65 0.22 0.00	82.96 0.25 0.00	82.11 0.33 0.00	73.29 0.36 0.00	66.90 0.33 0.00	59.69 0.36 0.00	55.74 0.33 0.00	56.34 0.39 0.00
V_CMP_10_SYNC_DSASP 323788	46.58 -1.15 0.00	44.05 -0.94 0.00	42.46 -0.87 0.00	42.31 -0.86 0.00	42.84 -0.79 0.00	45.28 -0.78 0.00	54.98 -0.61 0.00	55.66 -0.56 0.00	49.66 -0.45 0.00	42.14 -0.43 0.00	42.72 -0.30 0.00	42.75 -0.17 0.00	42.94 -0.09 0.00	44.26 0.04 0.00	48.96 0.34 0.00	57.10 0.40 0.00	73.52 1.09 0.00	84.04 1.32 0.00	83.26 1.47 0.00	74.38 1.46 0.00	67.90 1.33 0.00	60.52 1.19 0.00	56.57 1.16 0.00	57.13 1.18 0.00
V_D_10_SYNC_DSASP 323841	47.63 -0.10 0.00	44.99 0.00 0.00	43.37 0.04 0.00	43.21 0.04 0.00	43.66 0.04 0.00	46.11 0.05 0.00	55.87 0.28 0.00	56.45 0.22 0.00	50.26 0.15 0.00	42.61 0.04 0.00	43.15 0.13 0.00	43.05 0.13 0.00	43.20 0.17 0.00	44.44 0.22 0.00	48.96 0.34 0.00	56.93 0.23 0.00	73.16 0.72 0.00	83.46 0.74 0.00	82.61 0.82 0.00	73.72 0.80 0.00	67.37 0.80 0.00	60.11 0.77 0.00	56.18 0.78 0.00	56.85 0.90 0.00
V_E_10_SYNC_DSASP 323830	50.01 2.29 0.00	47.33 2.34 0.00	45.62 2.30 0.00	45.46 2.29 0.00	46.24 2.62 0.00	49.01 2.95 0.00	59.43 3.84 0.00	60.38 4.16 0.00	53.82 3.71 0.00	45.16 2.60 0.00	45.39 2.37 0.00	45.29 2.36 0.00	45.65 2.62 0.00	46.96 2.74 0.00	52.17 3.55 0.00	61.58 4.88 0.00	80.11 7.68 0.00	92.15 9.43 0.00	90.21 8.42 0.00	80.29 7.37 0.00	72.76 6.19 0.00	64.20 4.87 0.00	59.56 4.16 0.00	59.81 3.86 0.00



V_F_30_NSYNC___DSASP 323816	50.44 2.72 0.00	47.51 2.52 0.00	45.70 2.38 0.00	45.54 2.37 0.00	45.93 2.31 0.00	48.51 2.44 0.00	58.60 3.00 0.00	59.37 3.15 0.00	52.62 2.51 0.00	44.44 1.87 0.00	44.83 1.81 0.00	44.60 1.67 0.00	44.66 1.64 0.00	45.99 1.77 0.00	50.71 2.09 0.00	59.31 2.61 0.00	76.13 3.69 0.00	86.93 4.22 0.00	86.04 4.25 0.00	76.64 3.72 0.00	70.03 3.46 0.00	62.54 3.20 0.00	58.29 2.88 0.00	58.97 3.02 0.00
V_F_30_SYNC_DSASP 323786	49.44 1.72 0.00	46.57 1.57 0.00	44.79 1.47 0.00	44.60 1.42 0.00	45.02 1.40 0.00	47.45 1.38 0.00	57.21 1.61 0.00	57.97 1.74 0.00	51.57 1.45 0.00	43.72 1.15 0.00	44.23 1.20 0.00	44.08 1.16 0.00	44.15 1.12 0.00	45.41 1.19 0.00	49.93 1.31 0.00	58.12 1.42 0.00	74.03 1.59 0.00	84.45 1.74 0.00	83.59 1.80 0.00	74.45 1.53 0.00	68.10 1.53 0.00	61.00 1.66 0.00	56.96 1.55 0.00	57.58 1.62 0.00
V_XM_10_SYNC_DSASP 323789	46.58 -1.15 0.00	44.05 -0.94 0.00	42.46 -0.87 0.00	42.31 -0.86 0.00	42.84 -0.79 0.00	45.28 -0.78 0.00	54.98 -0.61 0.00	55.66 -0.56 0.00	49.66 -0.45 0.00	42.14 -0.43 0.00	42.72 -0.30 0.00	42.75 -0.17 0.00	42.94 -0.09 0.00	44.26 0.04 0.00	48.96 0.34 0.00	57.10 0.40 0.00	73.52 1.09 0.00	84.04 1.32 0.00	83.26 1.47 0.00	74.38 1.46 0.00	67.90 1.33 0.00	60.52 1.19 0.00	56.57 1.16 0.00	57.13 1.18 0.00
W.BABYLN_69_KV_BK1 56697	52.50 4.10 -0.68	48.69 3.69 -0.01	46.75 3.42 -0.01	46.55 3.37 -0.01	46.99 3.36 -0.01	49.67 3.59 -0.01	60.05 4.45 -0.01	66.07 5.12 -4.73	54.53 4.41 -0.01	46.19 3.62 0.00	46.69 3.66 -0.01	46.63 3.69 -0.01	46.61 3.57 -0.01	48.48 3.63 -0.63	57.04 3.94 -4.48	74.38 4.76 -12.91	90.37 6.45 -11.49	99.60 6.95 -9.94	98.62 7.12 -9.72	99.01 6.20 -19.89	87.67 5.79 -15.31	79.34 5.22 -14.78	71.14 4.49 -11.24	60.38 4.42 -0.01
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	50.06 2.34 0.00	47.06 2.07 0.00	45.23 1.91 0.00	45.03 1.86 0.00	45.41 1.79 0.00	48.00 1.93 0.00	58.04 2.45 0.00	59.20 2.98 0.00	52.77 2.66 0.00	44.74 2.17 0.00	45.22 2.19 0.00	45.16 2.23 0.00	45.14 2.11 0.00	46.34 2.12 0.00	50.86 2.24 0.00	59.42 2.72 0.00	75.84 3.40 0.00	86.52 3.80 0.00	85.80 4.01 0.00	76.42 3.50 0.00	69.83 3.26 0.00	62.36 3.03 0.00	57.90 2.49 0.00	58.36 2.41 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	50.30 2.58 0.00	47.29 2.29 0.00	45.40 2.08 0.00	45.20 2.03 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.26 2.67 0.00	59.60 3.37 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.67 2.75 0.00	45.61 2.58 0.00	46.74 2.52 0.00	51.20 2.58 0.00	59.76 3.06 0.00	76.20 3.77 0.00	86.85 4.14 0.00	86.12 4.33 0.00	76.79 3.86 0.00	70.23 3.66 0.00	62.66 3.32 0.00	58.12 2.71 0.00	58.58 2.63 0.00
W50THST__13_KV_LOAD 356117	50.44 2.72 0.00	47.42 2.43 0.00	45.57 2.25 0.00	45.33 2.16 0.00	45.76 2.14 0.00	48.37 2.30 0.00	58.54 2.95 0.00	59.88 3.65 0.00	53.42 3.31 0.00	45.38 2.81 0.00	45.95 2.93 0.00	45.93 3.00 0.00	45.87 2.84 0.00	46.96 2.74 0.00	51.44 2.82 0.00	60.05 3.35 0.00	76.56 4.13 0.00	87.26 4.55 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.90 3.56 0.00	58.34 2.94 0.00	58.81 2.85 0.00
WADING RIVER_IC_1 23522	52.37 4.05 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.37 3.19 -0.01	46.77 3.14 -0.01	49.48 3.41 -0.01	59.61 4.01 -0.01	64.99 4.66 -4.11	54.08 3.96 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.18 3.14 -0.01	47.99 3.23 -0.55	55.96 3.45 -3.89	72.39 4.48 -11.21	88.79 6.38 -9.98	98.74 7.36 -8.66	97.95 7.69 -8.48	97.08 6.85 -17.31	86.49 6.59 -13.33	77.78 5.58 -12.87	69.88 4.71 -9.76	60.55 4.59 -0.01
WADING RIVER_IC_2 23547	52.37 4.05 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.37 3.19 -0.01	46.77 3.14 -0.01	49.48 3.41 -0.01	59.61 4.01 -0.01	64.99 4.66 -4.11	54.08 3.96 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.18 3.14 -0.01	47.99 3.23 -0.55	55.96 3.45 -3.89	72.39 4.48 -11.21	88.79 6.38 -9.98	98.74 7.36 -8.66	97.95 7.69 -8.48	97.08 6.85 -17.31	86.49 6.59 -13.33	77.78 5.58 -12.87	69.88 4.71 -9.76	60.55 4.59 -0.01
WADING RIVER_IC_3 23601	52.37 4.05 -0.59	48.46 3.46 -0.01	46.58 3.25 -0.01	46.37 3.19 -0.01	46.77 3.14 -0.01	49.48 3.41 -0.01	59.61 4.01 -0.01	64.99 4.66 -4.11	54.08 3.96 -0.01	45.80 3.23 0.00	46.30 3.27 -0.01	46.24 3.31 -0.01	46.18 3.14 -0.01	47.99 3.23 -0.55	55.96 3.45 -3.89	72.39 4.48 -11.21	88.79 6.38 -9.98	98.74 7.36 -8.66	97.95 7.69 -8.48	97.08 6.85 -17.31	86.49 6.59 -13.33	77.78 5.58 -12.87	69.88 4.71 -9.76	60.55 4.59 -0.01
WALDENNY_12_KV_BK2 80841	46.53 -1.19 0.00	44.27 -0.72 0.00	42.93 -0.39 0.00	42.83 -0.35 0.00	43.58 -0.04 0.00	46.02 -0.05 0.00	55.15 -0.44 0.00	55.49 -0.73 0.00	49.71 -0.40 0.00	42.65 0.09 0.00	43.24 0.22 0.00	43.22 0.30 0.00	43.76 0.73 0.00	45.10 0.88 0.00	49.59 0.97 0.00	57.27 0.57 0.00	72.07 -0.36 0.00	82.72 0.00 0.00	80.56 -1.23 0.00	71.97 -0.95 0.00	64.84 -1.73 0.00	57.32 -2.02 0.00	54.30 -1.11 0.00	54.78 -1.18 0.00
WALDEN___HYDRO 24148	49.87 2.15 0.00	46.88 1.89 0.00	45.05 1.73 0.00	44.85 1.68 0.00	45.28 1.66 0.00	47.82 1.75 0.00	57.82 2.22 0.00	58.98 2.75 0.00	52.47 2.36 0.00	44.40 1.83 0.00	44.87 1.85 0.00	44.77 1.85 0.00	44.79 1.76 0.00	45.99 1.77 0.00	50.52 1.90 0.00	59.03 2.32 0.00	75.48 3.04 0.00	86.11 3.39 0.00	85.39 3.60 0.00	76.13 3.21 0.00	69.50 2.93 0.00	62.07 2.73 0.00	57.68 2.27 0.00	58.19 2.24 0.00
WARRENSBURG____ 23737	51.01 3.29 0.00	48.05 3.06 0.00	46.22 2.90 0.00	46.06 2.89 0.00	46.46 2.84 0.00	49.06 2.99 0.00	59.38 3.78 0.00	60.16 3.94 0.00	53.22 3.11 0.00	44.82 2.26 0.00	45.22 2.19 0.00	44.94 2.02 0.00	45.01 1.98 0.00	46.25 2.03 0.00	51.05 2.43 0.00	59.82 3.12 0.00	77.00 4.56 0.00	88.01 5.29 0.00	87.02 5.23 0.00	77.51 4.59 0.00	70.89 4.33 0.00	63.25 3.92 0.00	59.01 3.60 0.00	59.70 3.75 0.00
WATERSIDE___6 8 9 23538	50.39 2.67 0.00	47.33 2.34 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.23 2.17 0.00	58.37 2.78 0.00	59.71 3.49 0.00	53.22 3.11 0.00	45.21 2.64 0.00	45.73 2.71 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.93 3.23 0.00	76.35 3.91 0.00	87.02 4.30 0.00	86.29 4.50 0.00	76.93 4.01 0.00	70.36 3.79 0.00	62.84 3.50 0.00	58.29 2.88 0.00	58.69 2.74 0.00
WATKINRD_115KV_LN8_ILLION 55919	48.96 1.24 0.00	46.21 1.21 0.00	44.49 1.17 0.00	44.34 1.17 0.00	44.84 1.22 0.00	47.45 1.38 0.00	57.26 1.67 0.00	57.97 1.74 0.00	51.67 1.55 0.00	43.84 1.28 0.00	44.31 1.29 0.00	44.17 1.24 0.00	44.32 1.29 0.00	45.59 1.37 0.00	50.18 1.56 0.00	58.69 1.98 0.00	75.12 2.68 0.00	85.94 3.23 0.00	84.90 3.11 0.00	75.69 2.77 0.00	69.03 2.46 0.00	61.53 2.20 0.00	57.46 2.05 0.00	57.97 2.01 0.00



WDELAWARE___HYD 323627	50.34 2.62 0.00	47.28 2.29 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.76 2.14 0.00	48.28 2.21 0.00	58.37 2.78 0.00	59.48 3.26 0.00	52.87 2.75 0.00	44.61 2.04 0.00	44.96 1.94 0.00	44.86 1.93 0.00	44.88 1.85 0.00	46.12 1.90 0.00	50.76 2.14 0.00	59.42 2.72 0.00	76.27 3.84 0.00	87.26 4.55 0.00	86.53 4.74 0.00	77.15 4.23 0.00	70.29 3.73 0.00	62.72 3.38 0.00	58.23 2.82 0.00	58.75 2.80 0.00
WEST BABYLON___IC 23714	52.50 4.10 -0.68	48.69 3.69 -0.01	46.75 3.42 -0.01	46.55 3.37 -0.01	46.99 3.36 -0.01	49.67 3.59 -0.01	60.05 4.45 -0.01	66.07 5.12 -4.73	54.53 4.41 -0.01	46.19 3.62 0.00	46.69 3.66 -0.01	46.63 3.69 -0.01	46.61 3.57 -0.01	48.48 3.63 -0.63	57.04 3.94 -4.48	74.38 4.76 -12.91	90.37 6.45 -11.49	99.60 6.95 -9.94	98.62 7.12 -9.72	99.01 6.20 -19.89	87.67 5.79 -15.31	79.34 5.22 -14.78	71.14 4.49 -11.24	60.38 4.42 -0.01
WEST CANADA___HYD 24049	48.01 0.29 0.00	45.26 0.27 0.00	43.58 0.26 0.00	43.39 0.22 0.00	43.84 0.22 0.00	46.34 0.28 0.00	55.87 0.28 0.00	56.51 0.28 0.00	50.37 0.25 0.00	42.78 0.21 0.00	43.24 0.22 0.00	43.10 0.17 0.00	43.20 0.17 0.00	44.40 0.18 0.00	48.82 0.20 0.00	56.99 0.28 0.00	72.80 0.36 0.00	83.13 0.42 0.00	82.20 0.41 0.00	73.29 0.37 0.00	66.90 0.33 0.00	59.63 0.30 0.00	55.69 0.28 0.00	56.23 0.28 0.00
WESTERN_NY_WIND 24143	47.29 -0.43 0.00	44.99 0.00 0.00	43.67 0.35 0.00	43.56 0.39 0.00	44.14 0.52 0.00	46.57 0.51 0.00	55.71 0.11 0.00	56.00 -0.22 0.00	50.11 0.00 0.00	42.74 0.17 0.00	43.32 0.30 0.00	43.31 0.39 0.00	43.76 0.73 0.00	45.10 0.88 0.00	49.64 1.02 0.00	57.49 0.79 0.00	72.73 0.29 0.00	83.71 0.99 0.00	81.62 -0.16 0.00	72.85 -0.07 0.00	65.70 -0.87 0.00	58.03 -1.31 0.00	55.08 -0.33 0.00	55.79 -0.17 0.00
WESTOVER___LESR 323668	47.72 0.00 0.00	45.04 0.04 0.00	43.41 0.09 0.00	43.34 0.17 0.00	43.88 0.26 0.00	46.34 0.28 0.00	55.93 0.33 0.00	56.56 0.34 0.00	50.46 0.35 0.00	42.91 0.34 0.00	43.37 0.34 0.00	43.27 0.34 0.00	43.46 0.43 0.00	44.66 0.44 0.00	49.16 0.53 0.00	57.32 0.62 0.00	73.09 0.65 0.00	83.54 0.83 0.00	82.28 0.49 0.00	73.36 0.44 0.00	66.77 0.20 0.00	59.28 -0.06 0.00	55.41 0.00 0.00	55.90 -0.06 0.00
WETHRSFD_WT_PWR 323626	45.67 -2.05 0.00	43.51 -1.48 0.00	42.24 -1.08 0.00	42.22 -0.95 0.00	43.14 -0.48 0.00	45.70 -0.37 0.00	54.87 -0.72 0.00	55.38 -0.84 0.00	49.56 -0.55 0.00	42.36 -0.21 0.00	42.90 -0.13 0.00	42.92 0.00 0.00	43.37 0.34 0.00	44.75 0.53 0.00	49.25 0.63 0.00	57.15 0.45 0.00	72.29 -0.14 0.00	82.88 0.17 0.00	80.97 -0.82 0.00	72.26 -0.66 0.00	64.97 -1.60 0.00	57.26 -2.08 0.00	53.97 -1.44 0.00	54.11 -1.85 0.00
WHAVSTOR_138KV_BK127 55557	49.82 2.10 0.00	46.84 1.84 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.19 1.57 0.00	47.77 1.70 0.00	57.76 2.17 0.00	58.92 2.70 0.00	52.47 2.36 0.00	44.53 1.96 0.00	45.05 2.02 0.00	44.98 2.06 0.00	44.97 1.94 0.00	46.12 1.90 0.00	50.61 1.99 0.00	59.08 2.38 0.00	75.33 2.90 0.00	85.94 3.23 0.00	85.22 3.44 0.00	75.98 3.06 0.00	69.43 2.86 0.00	62.01 2.67 0.00	57.57 2.16 0.00	58.08 2.13 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	49.82 2.10 0.00	46.84 1.84 0.00	45.01 1.69 0.00	44.81 1.64 0.00	45.19 1.57 0.00	47.77 1.70 0.00	57.76 2.17 0.00	58.92 2.70 0.00	52.47 2.36 0.00	44.53 1.96 0.00	45.05 2.02 0.00	44.98 2.06 0.00	44.97 1.94 0.00	46.12 1.90 0.00	50.61 1.99 0.00	59.08 2.38 0.00	75.33 2.90 0.00	85.94 3.23 0.00	85.22 3.44 0.00	75.98 3.06 0.00	69.43 2.86 0.00	62.01 2.67 0.00	57.57 2.16 0.00	58.08 2.13 0.00
WHITEHAL_115KV_TB1 80871	51.83 4.10 0.00	48.82 3.82 0.00	46.92 3.60 0.00	46.80 3.63 0.00	47.20 3.58 0.00	49.84 3.78 0.00	60.38 4.78 0.00	61.17 4.95 0.00	53.92 3.81 0.00	45.29 2.72 0.00	45.65 2.62 0.00	45.29 2.36 0.00	45.35 2.32 0.00	46.70 2.48 0.00	51.59 2.97 0.00	60.56 3.86 0.00	78.38 5.94 0.00	89.75 7.03 0.00	88.66 6.87 0.00	78.97 6.05 0.00	72.16 5.59 0.00	64.38 5.04 0.00	60.01 4.60 0.00	60.65 4.70 0.00
WHITEPLN_13_KV_LOAD 356215	50.49 2.77 0.00	47.47 2.47 0.00	45.62 2.30 0.00	45.42 2.24 0.00	45.80 2.18 0.00	48.37 2.30 0.00	58.54 2.95 0.00	59.77 3.54 0.00	53.22 3.11 0.00	45.12 2.55 0.00	45.65 2.62 0.00	45.59 2.66 0.00	45.57 2.54 0.00	46.70 2.48 0.00	51.25 2.63 0.00	59.93 3.23 0.00	76.42 3.98 0.00	87.35 4.63 0.00	86.61 4.83 0.00	77.15 4.23 0.00	70.43 3.86 0.00	62.84 3.50 0.00	58.34 2.94 0.00	58.81 2.85 0.00
WM_FLOYD_69_KV_BK2 356380	52.13 3.82 -0.59	48.28 3.28 -0.01	46.41 3.08 -0.01	46.20 3.02 -0.01	46.60 2.97 -0.01	49.30 3.22 -0.01	59.55 3.95 -0.01	65.01 4.67 -4.12	54.08 3.96 -0.01	45.80 3.24 0.00	46.30 3.27 -0.01	46.20 3.26 -0.01	46.18 3.14 -0.01	47.95 3.18 -0.55	55.98 3.45 -3.90	72.32 4.37 -11.25	88.68 6.23 -10.01	98.60 7.20 -8.69	97.73 7.44 -8.50	96.92 6.64 -17.37	86.33 6.39 -13.38	77.94 5.70 -12.91	69.69 4.49 -9.80	60.38 4.42 -0.01
WOODARD___115KV_TB2 355635	47.20 -0.52 0.00	44.54 -0.45 0.00	42.89 -0.43 0.00	42.83 -0.35 0.00	43.27 -0.35 0.00	45.65 -0.41 0.00	55.04 -0.56 0.00	55.49 -0.73 0.00	49.51 -0.60 0.00	42.18 -0.38 0.00	42.59 -0.43 0.00	42.45 -0.47 0.00	42.60 -0.43 0.00	43.78 -0.44 0.00	48.09 -0.53 0.00	56.13 -0.57 0.00	71.64 -0.80 0.00	81.81 -0.91 0.00	80.64 -1.15 0.00	71.90 -1.02 0.00	65.57 -1.00 0.00	58.33 -1.01 0.00	54.52 -0.89 0.00	54.95 -1.01 0.00
WOODMERE_69_KV_BK1 55827	52.17 3.44 -1.02	48.16 3.15 -0.02	46.28 2.95 -0.02	46.12 2.94 -0.02	46.56 2.92 -0.02	49.17 3.09 -0.02	59.39 3.78 -0.02	67.57 4.27 -7.07	53.99 3.86 -0.02	45.89 3.32 0.00	46.39 3.36 -0.02	46.29 3.35 -0.02	46.27 3.23 -0.02	48.30 3.14 -0.95	58.68 3.35 -6.70	80.05 4.03 -19.32	94.84 5.22 -17.19	103.36 5.79 -14.86	102.38 6.05 -14.54	108.00 5.32 -29.75	94.53 5.06 -22.90	86.07 4.63 -22.11	76.00 3.77 -16.82	59.72 3.75 -0.02
YORK___WARBASSE 23770	50.44 2.72 0.00	47.38 2.38 0.00	45.44 2.12 0.00	45.24 2.07 0.00	45.58 1.96 0.00	48.18 2.12 0.00	58.32 2.72 0.00	59.65 3.43 0.00	53.17 3.06 0.00	45.16 2.60 0.00	45.69 2.67 0.00	45.73 2.79 -0.02	45.67 2.62 -0.02	46.83 2.61 0.00	51.39 2.77 0.00	59.99 3.29 0.00	76.42 3.98 0.00	87.18 4.47 0.00	86.45 4.66 0.00	77.15 4.23 0.00	70.49 3.93 0.00	62.96 3.62 0.00	58.34 2.94 0.00	58.75 2.80 0.00