

# Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses															--- Marginal Cost of Congestion										05/22/2024		
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	28.03	24.61	23.48	23.06	23.37	24.72	28.61	30.76	31.32	32.32	33.88	35.63	40.85	42.23	43.57	44.99	49.61	61.81	63.46	56.80	51.92	43.25	35.87	31.68				
		2.27	1.84	1.78	1.61	1.79	1.89	2.19	2.54	2.77	2.87	3.07	3.12	3.47	3.64	4.39	4.45	4.71	6.55	6.75	5.81	5.06	4.04	2.87	2.64				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.46	-0.72	-0.97	-2.68	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	0.00	0.00				
74TH STREET_GT_1	24260	28.06	24.63	23.29	23.06	23.09	24.72	28.61	30.76	31.30	32.29	33.85	35.60	40.86	42.11	43.49	44.87	49.48	61.65	63.35	56.65	51.87	43.25	35.97	31.71				
		2.29	1.87	1.58	1.61	1.51	1.89	2.19	2.54	2.74	2.84	3.04	3.09	3.40	3.53	4.31	4.33	4.58	6.39	6.64	5.66	5.01	4.04	2.97	2.67				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.46	-0.72	-0.97	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	0.00	0.00				
74TH STREET_GT_2	24261	28.06	24.63	23.29	23.06	23.09	24.72	28.61	30.76	31.30	32.29	33.85	35.60	40.86	42.11	43.49	44.87	49.48	61.65	63.35	56.65	51.87	43.25	35.97	31.71				
		2.29	1.87	1.58	1.61	1.51	1.89	2.19	2.54	2.74	2.84	3.04	3.09	3.40	3.53	4.31	4.33	4.58	6.39	6.64	5.66	5.01	4.04	2.97	2.67				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.46	-0.72	-0.97	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	0.00	0.00				
ADK HUDSON___FALLS	24011	26.92	23.81	22.72	22.46	22.55	23.99	27.74	29.49	29.77	29.84	30.69	31.83	35.04	38.84	40.08	41.50	47.15	57.39	59.94	54.15	49.76	41.41	34.62	30.43				
		1.16	1.05	1.02	1.01	0.97	1.16	1.32	1.27	1.23	1.10	0.99	0.82	1.11	1.25	1.44	1.68	2.25	3.11	3.23	3.16	2.91	2.20	1.62	1.39				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.25	0.40	0.54	0.78	0.36	0.19	0.26	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00				
ADK RESOURCE___RCVRY	23798	27.03	23.91	22.92	22.54	22.81	24.10	27.87	29.63	29.91	29.98	30.82	31.99	35.15	39.07	40.24	41.90	47.46	57.78	60.34	54.55	50.09	41.65	34.78	30.58				
		1.26	1.14	1.21	1.09	1.23	1.28	1.45	1.41	1.37	1.25	1.11	0.98	1.21	1.48	1.59	2.08	2.56	3.50	3.63	3.57	3.23	2.43	1.78	1.54				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.39	0.53	0.77	0.35	0.19	0.26	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00				
ADK S GLENS___FALLS	24028	26.92	23.81	22.72	22.46	22.55	23.99	27.74	29.49	29.77	29.84	30.69	31.83	35.04	38.84	40.08	41.50	47.15	57.39	59.94	54.15	49.76	41.41	34.62	30.43				
		1.16	1.05	1.02	1.01	0.97	1.16	1.32	1.27	1.23	1.10	0.99	0.82	1.11	1.25	1.44	1.68	2.25	3.11	3.23	3.16	2.91	2.20	1.62	1.39				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.25	0.40	0.54	0.78	0.36	0.19	0.26	0.00	0.35	0.00	0.00	0.00	0.00	0.00	0.00				
ADK_NYS___DAM	23527	27.00	23.95	22.85	22.54	22.81	24.10	27.69	29.41	29.48	29.34	30.20	31.29	34.02	38.28	39.93	41.12	46.87	56.38	59.66	53.64	49.62	41.37	34.49	30.40				
		1.24	1.18	1.15	1.09	1.23	1.28	1.27	1.19	0.94	0.90	0.96	0.92	1.01	1.10	1.51	1.60	1.97	2.51	2.95	2.65	2.76	2.16	1.49	1.37				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.55	0.86	1.17	1.69	0.77	0.42	0.56	0.00	0.76	0.00	0.00	0.00	0.00	0.00	0.00				
AIR_PRODUCTS___DRP	24190	26.46	23.63	22.44	22.20	22.25	23.67	27.24	28.79	28.97	29.18	30.18	31.53	34.60	38.21	39.61	40.86	46.16	56.02	58.58	52.62	48.45	40.47	33.76	29.74				
		0.70	0.87	0.74	0.75	0.67	0.84	0.82	0.56	0.43	0.41	0.42	0.44	0.56	0.57	0.93	1.00	1.26	1.69	1.87	1.63	1.59	1.25	0.76	0.70				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.34	0.46	0.66	0.30	0.16	0.22	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00				
AKWESSNE_115KV_BK	355683	25.22	22.31	21.47	21.17	21.41	22.41	25.94	27.74	28.03	28.50	29.55	31.01	34.18	37.30	37.87	38.99	43.33	52.61	49.91	45.12	41.84	38.04	32.27	28.40				
		-0.54	-0.46	-0.24	-0.28	-0.17	-0.41	-0.48	-0.48	-0.51	-0.49	-0.54	-0.54	-0.52	-0.65	-0.97	-1.08	-1.57	-2.02	-2.10	-1.89	-1.69	-1.18	-0.73	-0.64				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.70	3.98	3.33	0.00	0.00	0.00				
ALBANY_1_SOLAR	323833	26.90	23.93	22.81	22.46	22.68	23.92	27.53	29.07	29.20	29.36	30.32	31.66	34.84	38.37	39.71	41.23	46.51	56.80	59.38	53.48	49.24	41.17	34.32	30.23				
		1.13	1.16	1.11	1.01	1.10	1.10	1.11	0.85	0.66	0.49	0.42	0.38	0.52	0.61	0.97	1.28	1.61	2.35	2.67	2.50	2.39	1.96	1.32	1.19				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.20	0.27	0.38	0.18	0.10	0.13	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00				
ALBANY_2_SOLAR	323834	26.90	23.91	22.81	22.46	22.68	23.92	27.53	29.07	29.20	29.36	30.29	31.66	34.84	38.37	39.71	41.23	46.51	56.80	59.38	53.48	49.24	41.14	34.32	30.23				
		1.13	1.14	1.11	1.01	1.10	1.10	1.11	0.85	0.66	0.49	0.39	0.38	0.52	0.61	0.97	1.28	1.61	2.35	2.67	2.50	2.39	1.92	1.32	1.19				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.20	0.27	0.39	0.18	0.10	0.13	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00				
ALBANY___1	23571	26.46	23.63	22.44	22.20	22.25	23.67	27.24	28.79	28.97	29.18	30.18	31.53	34.60	38.21	39.61	40.86	46.16	56.02	58.58	52.62	48.45	40.47	33.76	29.74				
		0.70	0.87	0.74	0.75	0.67	0.84	0.82	0.56	0.43	0.41	0.42	0.44	0.56	0.57	0.93	1.00	1.26	1.69	1.87	1.63	1.59	1.25	0.76	0.70				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.34	0.46	0.66	0.30	0.16	0.22	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00				



ALBANY___2 23572	26.46 0.70 0.00	23.63 0.87 0.00	22.44 0.74 0.00	22.20 0.75 0.00	22.25 0.67 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.79 0.56 0.00	28.97 0.43 0.00	29.18 0.41 0.22	30.18 0.42 0.34	31.53 0.44 0.46	34.60 0.56 0.66	38.21 0.57 0.30	39.61 0.93 0.16	40.86 1.00 0.22	46.16 1.26 0.00	56.02 1.69 0.30	58.58 1.87 0.00	52.62 1.63 0.00	48.45 1.59 0.00	40.47 1.25 0.00	33.76 0.76 0.00	29.74 0.70 0.00
ALBANY___3 23573	26.46 0.70 0.00	23.63 0.87 0.00	22.44 0.74 0.00	22.20 0.75 0.00	22.25 0.67 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.79 0.56 0.00	28.97 0.43 0.00	29.18 0.41 0.22	30.18 0.42 0.34	31.53 0.44 0.46	34.60 0.56 0.66	38.21 0.57 0.30	39.61 0.93 0.16	40.86 1.00 0.22	46.16 1.26 0.00	56.02 1.69 0.30	58.58 1.87 0.00	52.62 1.63 0.00	48.45 1.59 0.00	40.47 1.25 0.00	33.76 0.76 0.00	29.74 0.70 0.00
ALBANY___4 23574	26.46 0.70 0.00	23.63 0.87 0.00	22.44 0.74 0.00	22.20 0.75 0.00	22.25 0.67 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.79 0.56 0.00	28.97 0.43 0.00	29.18 0.41 0.22	30.18 0.42 0.34	31.53 0.44 0.46	34.60 0.56 0.66	38.21 0.57 0.30	39.61 0.93 0.16	40.86 1.00 0.22	46.16 1.26 0.00	56.02 1.69 0.30	58.58 1.87 0.00	52.62 1.63 0.00	48.45 1.59 0.00	40.47 1.25 0.00	33.76 0.76 0.00	29.74 0.70 0.00
ALBANY___LFGE 323615	26.66 0.90 0.00	23.79 1.03 0.00	22.68 0.98 0.00	22.33 0.88 0.00	22.57 0.99 0.00	23.80 0.98 0.00	27.42 1.00 0.00	29.01 0.79 0.00	29.23 0.68 0.00	29.42 0.67 0.24	30.42 0.69 0.37	31.77 0.73 0.50	34.85 0.87 0.72	38.56 0.95 0.33	39.98 1.32 0.18	41.36 1.52 0.24	46.65 1.75 0.00	56.60 2.29 0.33	59.15 2.44 0.00	53.18 2.19 0.00	48.97 2.11 0.00	40.86 1.65 0.00	34.05 1.06 0.00	30.00 0.96 0.00
ALCOA_PA_115KV_PL-6C 55860	25.33 -0.44 0.00	22.45 -0.32 0.00	21.57 -0.13 0.00	21.28 -0.17 0.00	21.51 -0.06 0.00	22.53 -0.30 0.00	26.10 -0.32 0.00	27.88 -0.34 0.00	28.18 -0.37 0.00	28.58 -0.41 0.00	29.67 -0.42 0.00	31.16 -0.38 0.00	34.35 -0.35 0.00	37.53 -0.42 0.00	38.06 -0.78 0.00	39.19 -0.88 0.00	43.15 -1.75 0.00	52.33 -2.29 0.00	49.73 -2.44 4.55	44.99 -2.14 3.85	41.76 -1.87 3.22	38.23 -0.98 0.00	32.47 -0.53 0.00	28.55 -0.49 0.00
ALCOA_RYNLDS___DRP 24188	25.33 -0.44 0.00	22.45 -0.32 0.00	21.57 -0.13 0.00	21.28 -0.17 0.00	21.51 -0.06 0.00	22.53 -0.30 0.00	26.10 -0.32 0.00	27.88 -0.34 0.00	28.18 -0.37 0.00	28.58 -0.41 0.00	29.67 -0.42 0.00	31.16 -0.38 0.00	34.35 -0.35 0.00	37.53 -0.42 0.00	38.06 -0.78 0.00	39.19 -0.88 0.00	43.15 -1.75 0.00	52.33 -2.29 0.00	49.73 -2.44 4.55	44.99 -2.14 3.85	41.76 -1.87 3.22	38.23 -0.98 0.00	32.47 -0.53 0.00	28.55 -0.49 0.00
ALCOA___DSASP 323711	25.33 -0.44 0.00	22.45 -0.32 0.00	21.38 -0.32 0.00	21.27 -0.17 0.00	21.26 -0.32 0.00	22.53 -0.30 0.00	26.10 -0.32 0.00	27.88 -0.34 0.00	28.17 -0.37 0.00	28.58 -0.41 0.00	29.67 -0.42 0.00	31.17 -0.38 0.00	34.35 -0.35 0.00	37.53 -0.42 0.00	38.10 -0.74 0.00	39.03 -1.04 0.00	43.15 -1.75 0.00	52.34 -2.29 0.00	49.73 -2.44 4.55	45.00 -2.14 3.85	41.76 -1.88 3.22	38.24 -0.98 0.00	32.44 -0.56 0.00	28.55 -0.49 0.00
ALLEGHENY___COGEN 23514	26.72 0.95 0.00	23.38 0.61 0.00	22.20 0.50 0.00	21.60 0.15 0.00	21.99 0.41 0.00	23.33 0.50 0.00	26.84 1.08 0.67	28.47 1.30 1.05	29.06 1.17 0.66	29.20 1.01 0.80	29.88 0.72 0.94	31.25 0.73 1.02	33.43 0.17 1.45	35.37 -0.83 1.74	36.25 -0.74 1.84	37.52 -0.56 2.00	43.51 0.36 1.75	51.65 0.55 3.52	53.10 0.62 4.24	48.57 1.17 3.59	44.93 1.08 3.00	37.81 0.82 2.23	33.25 1.75 1.50	29.49 1.25 0.80
ALTAMONT_115KV_TB 2 55880	26.59 0.82 0.00	23.59 0.82 0.00	22.38 0.67 0.00	22.13 0.69 0.00	22.20 0.63 0.00	23.62 0.80 0.00	27.24 0.82 0.00	28.98 0.76 0.00	29.23 0.69 0.00	29.52 0.67 0.14	30.57 0.69 0.22	31.94 0.69 0.29	35.08 0.80 0.42	38.59 0.83 0.19	39.94 1.20 0.10	41.18 1.24 0.14	46.38 1.48 0.00	56.46 2.02 0.19	58.87 2.16 0.00	52.92 1.94 0.00	48.68 1.83 0.00	40.70 1.49 0.00	33.99 0.99 0.00	29.91 0.87 0.00
ALTONA_WT_PWR 323606	25.12 -0.64 0.00	22.15 -0.61 0.00	21.16 -0.54 0.00	21.00 -0.45 0.00	21.02 -0.56 0.00	22.34 -0.48 0.00	26.13 -0.29 0.00	28.08 -0.14 0.00	28.57 0.03 0.00	29.08 0.09 0.00	30.07 -0.03 0.00	31.61 0.06 0.00	34.98 0.28 0.00	38.10 0.15 0.00	38.72 -0.12 0.00	39.08 -1.00 0.00	43.42 -1.48 0.00	52.61 -2.02 0.00	49.79 -2.27 4.65	44.76 -2.29 3.94	41.55 -2.01 3.30	37.41 -1.80 0.00	31.91 -1.09 0.00	27.97 -1.07 0.00
AMERICAN_REF_FUEL 24010	24.86 -0.90 0.00	21.74 -1.02 0.00	20.77 -0.93 0.00	20.14 -1.31 0.00	20.43 -1.14 0.00	21.59 -1.23 0.00	24.46 -1.19 0.77	25.79 -1.21 1.22	26.96 -0.83 0.76	27.07 -0.99 0.93	27.95 -1.05 1.09	29.19 -1.17 1.19	31.25 -1.77 1.69	34.37 -1.56 2.02	35.14 -1.55 2.14	35.95 -1.80 2.32	41.61 -1.26 2.04	48.02 -2.51 4.10	48.50 -3.29 4.93	44.22 -2.60 4.17	40.79 -2.58 3.49	34.51 -2.12 2.59	29.93 -1.32 1.74	26.95 -1.16 0.93
ARKWRIGHT___SUMMIT_WT_PWR 323751	25.97 0.21 0.00	22.52 -0.25 0.00	21.44 -0.26 0.00	20.65 -0.79 0.00	21.08 -0.50 0.00	22.30 -0.52 0.00	25.02 -0.69 0.71	26.82 -0.28 1.12	28.05 0.20 0.70	28.22 0.09 0.86	29.19 0.09 1.00	30.39 -0.06 1.09	32.74 -0.41 1.55	36.21 0.11 1.85	37.30 0.43 1.97	38.31 0.36 2.13	44.16 1.12 1.87	51.31 0.44 3.75	51.86 -0.34 4.51	47.21 0.05 3.82	43.19 -0.47 3.20	36.33 -0.51 2.37	31.24 -0.16 1.60	27.84 -0.35 0.85
ARTHUR KILL_GT_1 23520	28.19 2.42 -0.01	24.78 2.00 -0.01	23.60 1.89 -0.01	23.17 1.72 -0.01	23.49 1.90 -0.01	24.81 1.98 0.00	28.66 2.24 0.00	30.71 2.48 0.00	31.18 2.62 -0.01	32.09 2.64 -0.47	33.65 2.83 -0.72	35.26 2.74 -0.98	40.42 2.98 -2.73	41.80 3.22 -0.63	43.14 3.96 -0.34	44.50 3.97 -0.46	48.71 3.81 0.01	60.71 5.46 -0.62	62.37 5.67 0.01	55.87 4.90 0.01	51.11 4.26 0.01	43.17 3.96 0.00	36.04 3.03 -0.01	31.84 2.79 -0.01
ARTHUR_KILL_2 23512	28.12 2.34 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.11 1.65 -0.01	23.44 1.86 -0.01	24.74 1.92 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.10 2.54 -0.01	32.01 2.55 -0.47	33.56 2.74 -0.72	35.17 2.65 -0.98	40.31 2.88 -2.73	41.69 3.11 -0.63	43.02 3.85 -0.34	44.34 3.81 -0.46	48.57 3.68 0.01	60.50 5.24 -0.62	62.15 5.44 0.01	55.67 4.69 0.01	50.92 4.07 0.01	43.02 3.80 0.00	35.91 2.90 -0.01	31.75 2.70 -0.01
ARTHUR_KILL_3 23513	27.83 2.06 0.00	24.45 1.68 0.00	23.33 1.63 0.00	22.88 1.44 0.00	23.22 1.64 0.00	24.56 1.73 0.00	28.43 2.01 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.11 2.67 -0.46	33.64 2.83 -0.72	35.35 2.84 -0.97	40.55 3.12 -2.72	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.12 4.22 0.00	61.16 5.90 -0.63	62.84 6.13 0.00	56.24 5.25 0.00	51.45 4.59 0.00	42.94 3.73 0.00	35.64 2.64 0.00	31.51 2.47 0.00



ARTHUR_KILL_COGEN 323718	28.19 2.42 -0.01	24.78 2.00 -0.01	23.60 1.89 -0.01	23.17 1.72 -0.01	23.49 1.90 -0.01	24.81 1.98 0.00	28.66 2.24 0.00	30.71 2.48 0.00	31.18 2.62 -0.01	32.09 2.64 -0.47	33.65 2.83 -0.72	35.26 2.74 -0.98	40.42 2.98 -2.73	41.80 3.22 -0.63	43.14 3.96 -0.34	44.50 3.97 -0.46	48.71 3.81 0.01	60.71 5.46 -0.62	62.37 5.67 0.01	55.87 4.90 0.01	51.11 4.26 0.01	43.17 3.96 0.00	36.04 3.03 -0.01	31.84 2.79 -0.01
ASHOKAN____ 23654	27.52 1.75 0.00	24.32 1.55 0.00	23.16 1.45 0.00	22.73 1.29 0.00	23.00 1.42 0.00	24.26 1.44 0.00	27.95 1.53 0.00	29.49 1.27 0.00	29.72 1.17 0.00	30.53 1.48 -0.07	31.79 1.59 -0.10	33.23 1.55 -0.14	36.92 2.01 -0.20	40.39 2.35 -0.09	41.80 2.91 -0.05	43.39 3.24 -0.07	48.14 3.23 0.00	60.30 5.57 -0.09	61.93 5.21 0.00	55.52 4.54 0.00	50.93 4.07 0.00	42.23 3.02 0.00	34.68 1.68 0.00	30.52 1.48 0.00
ASTORIA_EAST_ENERGY_CC1 323581	27.88 2.11 -0.01	24.60 1.82 -0.01	23.51 1.80 -0.01	23.06 1.61 -0.01	23.40 1.81 -0.01	24.72 1.89 0.00	28.56 2.14 0.00	30.58 2.37 0.01	31.14 2.60 0.00	32.20 2.76 -0.45	33.72 2.92 -0.71	35.47 2.96 -0.96	40.68 3.26 -2.71	41.95 3.38 -0.63	43.21 4.04 -0.34	44.54 4.01 -0.46	48.94 4.04 0.01	60.84 5.57 -0.63	62.50 5.79 0.00	55.93 4.94 0.00	51.16 4.31 0.01	42.89 3.69 0.01	35.68 2.67 -0.01	31.57 2.53 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	27.88 2.11 -0.01	24.60 1.82 -0.01	23.51 1.80 -0.01	23.06 1.61 -0.01	23.40 1.81 -0.01	24.72 1.89 0.00	28.56 2.14 0.00	30.58 2.37 0.01	31.14 2.60 0.00	32.20 2.76 -0.45	33.72 2.92 -0.71	35.47 2.96 -0.96	40.68 3.26 -2.71	41.95 3.38 -0.63	43.21 4.04 -0.34	44.54 4.01 -0.46	48.94 4.04 0.01	60.84 5.57 -0.63	62.50 5.79 0.00	55.93 4.94 0.00	51.16 4.31 0.01	42.89 3.69 0.01	35.68 2.67 -0.01	31.57 2.53 -0.01
ASTORIA_GT2_1 24094	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT2_2 24095	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT2_3 24096	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT2_4 24097	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT3_1 24098	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT3_2 24099	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT3_3 24100	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT3_4 24101	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT4_1 24102	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT4_2 24103	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT4_3 24104	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01



ASTORIA_GT4_4 24105	27.91 2.14 -0.01	24.62 1.84 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.22 2.78 -0.45	33.72 2.92 -0.71	35.50 3.00 -0.96	40.71 3.30 -2.71	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.90 4.00 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
ASTORIA_GT_1 23523	27.96 2.19 -0.01	24.64 1.87 -0.01	23.56 1.84 -0.01	23.11 1.65 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.67 2.45 0.01	31.23 2.68 0.00	32.28 2.84 -0.45	33.78 2.98 -0.71	35.56 3.06 -0.96	40.78 3.37 -2.71	42.03 3.45 -0.63	43.33 4.16 -0.34	44.66 4.13 -0.46	49.07 4.18 0.01	60.99 5.73 -0.63	62.67 5.95 0.00	56.08 5.10 0.00	51.30 4.45 0.01	43.01 3.80 0.01	35.74 2.74 -0.01	31.66 2.61 -0.01
ASTORIA_GT_10 24110	28.04 2.27 -0.01	24.64 1.87 -0.01	23.30 1.58 -0.01	23.06 1.61 -0.01	23.10 1.51 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	41.96 3.38 -0.64	43.30 4.12 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.31 4.45 0.00	43.06 3.84 0.00	35.91 2.90 -0.01	31.69 2.64 -0.01
ASTORIA_GT_11 24225	28.04 2.27 -0.01	24.64 1.87 -0.01	23.30 1.58 -0.01	23.06 1.61 -0.01	23.10 1.51 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	41.96 3.38 -0.64	43.30 4.12 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.31 4.45 0.00	43.06 3.84 0.00	35.91 2.90 -0.01	31.69 2.64 -0.01
ASTORIA_GT_12 24226	28.04 2.27 -0.01	24.64 1.87 -0.01	23.30 1.58 -0.01	23.06 1.61 -0.01	23.10 1.51 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	41.96 3.38 -0.64	43.30 4.12 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.31 4.45 0.00	43.06 3.84 0.00	35.91 2.90 -0.01	31.69 2.64 -0.01
ASTORIA_GT_13 24227	28.04 2.27 -0.01	24.64 1.87 -0.01	23.30 1.58 -0.01	23.06 1.61 -0.01	23.10 1.51 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	41.96 3.38 -0.64	43.30 4.12 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.31 4.45 0.00	43.06 3.84 0.00	35.91 2.90 -0.01	31.69 2.64 -0.01
ASTORIA_GT_5 24106	27.96 2.19 -0.01	24.64 1.87 -0.01	23.34 1.63 -0.01	23.11 1.65 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.28 2.84 -0.45	33.78 2.98 -0.71	35.56 3.06 -0.96	40.78 3.37 -2.71	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.26 4.40 0.00	43.02 3.80 0.00	35.85 2.84 -0.01	31.66 2.61 -0.01
ASTORIA_GT_7 24107	27.96 2.19 -0.01	24.64 1.87 -0.01	23.34 1.63 -0.01	23.11 1.65 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.28 2.84 -0.45	33.78 2.98 -0.71	35.56 3.06 -0.96	40.78 3.37 -2.71	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.26 4.40 0.00	43.02 3.80 0.00	35.85 2.84 -0.01	31.66 2.61 -0.01
ASTORIA_GT_8 24108	27.96 2.19 -0.01	24.64 1.87 -0.01	23.34 1.63 -0.01	23.11 1.65 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.28 2.84 -0.45	33.78 2.98 -0.71	35.56 3.06 -0.96	40.78 3.37 -2.71	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.26 4.40 0.00	43.02 3.80 0.00	35.85 2.84 -0.01	31.66 2.61 -0.01
ASTORIA___2 24149	27.91 2.14 -0.01	24.60 1.82 -0.01	23.51 1.80 -0.01	23.08 1.63 -0.01	23.40 1.81 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.61 2.40 0.01	31.17 2.62 0.00	32.22 2.78 -0.45	33.72 2.92 -0.71	35.47 2.96 -0.96	40.68 3.26 -2.71	41.95 3.38 -0.63	43.21 4.04 -0.34	44.54 4.01 -0.46	48.98 4.09 0.01	60.84 5.57 -0.63	62.50 5.79 0.00	55.99 5.00 0.00	51.16 4.31 0.01	42.89 3.69 0.01	35.68 2.67 -0.01	31.60 2.56 -0.01
ASTORIA___3 23516	28.04 2.27 -0.01	24.64 1.87 -0.01	23.51 1.80 -0.01	23.06 1.61 -0.01	23.40 1.81 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.45 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.69 3.23 -2.76	42.04 3.45 -0.64	43.34 4.16 -0.35	44.67 4.13 -0.47	49.08 4.18 0.00	60.99 5.73 -0.63	62.61 5.90 0.00	56.08 5.10 0.00	51.31 4.45 0.00	43.06 3.85 0.00	35.85 2.84 -0.01	31.69 2.64 -0.01
ASTORIA___4 23517	28.04 2.27 -0.01	24.64 1.87 -0.01	23.30 1.58 -0.01	23.06 1.61 -0.01	23.10 1.51 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	41.96 3.38 -0.64	43.30 4.12 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.61 5.90 0.00	55.98 5.00 0.00	51.26 4.40 0.00	43.06 3.84 0.00	35.91 2.90 -0.01	31.69 2.64 -0.01
ASTORIA___5 23518	28.04 2.27 -0.01	24.64 1.87 -0.01	23.51 1.80 -0.01	23.06 1.61 -0.01	23.40 1.81 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.45 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.69 3.23 -2.76	42.04 3.45 -0.64	43.34 4.16 -0.35	44.67 4.13 -0.47	49.08 4.18 0.00	60.99 5.73 -0.63	62.61 5.90 0.00	56.08 5.10 0.00	51.31 4.45 0.00	43.06 3.85 0.00	35.85 2.84 -0.01	31.69 2.64 -0.01
AST_ENERGY_2_CC3 323677	27.88 2.11 0.00	24.50 1.73 0.00	23.38 1.67 0.00	22.93 1.48 0.00	23.26 1.68 0.00	24.58 1.76 0.00	28.43 2.01 0.00	30.56 2.34 0.00	31.07 2.51 -0.01	32.09 2.64 -0.46	33.61 2.80 -0.72	35.35 2.84 -0.97	40.51 3.09 -2.72	41.88 3.30 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.22 5.96 -0.63	62.89 6.18 0.00	56.29 5.30 0.00	51.50 4.64 0.00	42.94 3.73 0.00	35.64 2.64 0.00	31.51 2.47 0.00
AST_ENERGY_2_CC4 323678	27.88 2.11 0.00	24.50 1.73 0.00	23.38 1.67 0.00	22.93 1.48 0.00	23.26 1.68 0.00	24.58 1.76 0.00	28.43 2.01 0.00	30.56 2.34 0.00	31.07 2.51 -0.01	32.09 2.64 -0.46	33.61 2.80 -0.72	35.35 2.84 -0.97	40.51 3.09 -2.72	41.88 3.30 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.22 5.96 -0.63	62.89 6.18 0.00	56.29 5.30 0.00	51.50 4.64 0.00	42.94 3.73 0.00	35.64 2.64 0.00	31.51 2.47 0.00



ATHENS_STG_1 23668	26.80 1.03 0.00	23.70 0.93 0.00	22.62 0.91 0.00	22.24 0.79 0.00	22.51 0.93 0.00	23.78 0.96 0.00	27.40 0.98 0.00	29.27 1.04 0.00	29.61 1.06 0.00	30.26 1.07 -0.20	31.54 1.14 -0.30	33.09 1.13 -0.41	36.58 1.28 -0.60	39.54 1.33 -0.27	40.77 1.79 -0.15	42.12 1.84 -0.20	46.92 2.02 0.00	57.63 2.73 -0.27	59.66 2.95 0.00	53.53 2.55 0.00	49.15 2.30 0.00	41.10 1.88 0.00	34.22 1.22 0.00	30.17 1.13 0.00
ATHENS_STG_2 23670	26.80 1.03 0.00	23.70 0.93 0.00	22.62 0.91 0.00	22.24 0.79 0.00	22.51 0.93 0.00	23.78 0.96 0.00	27.40 0.98 0.00	29.27 1.04 0.00	29.61 1.06 0.00	30.26 1.07 -0.20	31.54 1.14 -0.30	33.09 1.13 -0.41	36.58 1.28 -0.60	39.54 1.33 -0.27	40.77 1.79 -0.15	42.12 1.84 -0.20	46.92 2.02 0.00	57.63 2.73 -0.27	59.66 2.95 0.00	53.53 2.55 0.00	49.15 2.30 0.00	41.10 1.88 0.00	34.22 1.22 0.00	30.17 1.13 0.00
ATHENS_STG_3 23677	26.80 1.03 0.00	23.70 0.93 0.00	22.62 0.91 0.00	22.24 0.79 0.00	22.51 0.93 0.00	23.78 0.96 0.00	27.40 0.98 0.00	29.27 1.04 0.00	29.61 1.06 0.00	30.26 1.07 -0.20	31.54 1.14 -0.30	33.09 1.13 -0.41	36.58 1.28 -0.60	39.54 1.33 -0.27	40.77 1.79 -0.15	42.12 1.84 -0.20	46.92 2.02 0.00	57.63 2.73 -0.27	59.66 2.95 0.00	53.53 2.55 0.00	49.15 2.30 0.00	41.10 1.88 0.00	34.22 1.22 0.00	30.17 1.13 0.00
AUBURN___LFGE 323710	25.92 0.15 0.00	22.81 0.05 0.00	21.57 -0.13 0.00	21.30 -0.15 0.00	21.38 -0.19 0.00	22.85 0.02 0.00	26.66 0.24 0.00	28.59 0.37 0.00	28.95 0.40 0.00	29.42 0.43 0.00	30.46 0.36 0.00	31.98 0.44 0.00	35.15 0.45 0.00	38.55 0.61 0.00	39.54 0.70 0.00	40.96 0.88 0.00	46.29 1.39 0.00	56.05 1.42 0.00	58.07 1.36 0.00	52.21 1.22 0.00	47.93 1.08 0.00	39.96 0.75 0.00	33.46 0.46 0.00	29.36 0.32 0.00
BABYLON_RES_REC 323704	28.39 2.63 0.00	24.98 2.21 0.00	23.77 2.06 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.64 2.22 0.00	30.76 2.54 0.00	31.15 2.60 -0.01	32.03 2.58 -0.46	33.73 2.92 -0.72	35.25 2.74 -0.97	38.90 2.81 -1.39	41.43 2.85 -0.64	42.79 3.61 -0.35	44.43 3.89 -0.47	49.17 4.27 0.00	61.32 6.06 -0.63	63.46 6.75 0.00	57.05 6.06 0.00	52.01 5.15 0.00	43.57 4.35 0.00	35.64 2.64 0.00	32.09 3.05 0.00
BABYLON__69_KV_BK2 356345	28.73 2.96 0.00	25.29 2.53 0.00	23.79 2.08 0.00	23.53 2.08 0.00	23.58 2.01 0.00	25.29 2.47 0.00	28.93 2.51 0.00	31.07 2.85 0.00	31.47 2.91 -0.01	32.32 2.87 -0.46	34.06 3.25 -0.72	35.67 3.15 -0.97	39.36 3.26 -1.39	41.88 3.30 -0.64	43.42 4.23 -0.35	44.99 4.45 -0.47	49.75 4.85 0.00	61.98 6.72 -0.63	64.25 7.54 0.00	57.67 6.68 0.00	52.62 5.76 0.00	44.19 4.98 0.00	36.33 3.33 0.00	32.47 3.43 0.00
BALL_HILL_WT_PWR 323825	25.82 0.05 0.00	22.47 -0.30 0.00	21.47 -0.24 0.00	20.76 -0.69 0.00	21.15 -0.43 0.00	22.37 -0.46 0.00	25.09 -0.61 0.72	26.74 -0.34 1.14	27.86 0.03 0.71	28.06 -0.06 0.88	29.02 -0.06 1.02	30.27 -0.16 1.11	32.53 -0.59 1.58	35.86 -0.19 1.89	36.83 0.00 2.01	37.74 -0.16 2.17	43.53 0.54 1.91	50.58 -0.22 3.83	51.14 -0.96 4.61	46.52 -0.56 3.91	42.69 -0.89 3.27	36.01 -0.78 2.43	31.07 -0.30 1.63	27.74 -0.43 0.87
BARON_WINDS___WT_PWR 323822	25.92 0.16 0.00	22.65 -0.11 0.00	21.64 -0.06 0.00	21.00 -0.45 0.00	21.38 -0.19 0.00	22.64 -0.18 0.00	25.72 -0.18 0.52	27.43 0.03 0.82	28.32 0.29 0.51	28.64 0.23 0.58	29.59 0.15 0.66	30.94 0.09 0.70	33.57 -0.14 0.99	36.73 0.08 1.29	37.63 0.20 1.40	38.81 0.24 1.51	44.43 0.90 1.36	52.61 0.66 2.68	53.70 0.28 3.30	48.60 0.41 2.79	44.61 0.09 2.34	37.40 -0.08 1.73	31.93 0.10 1.17	28.36 -0.06 0.62
BARRETT_IC_1 23704	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_10 23701	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_11 23702	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_12 23703	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_2 23705	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_3 23706	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_4 23707	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00



BARRETT_IC_5 23708	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_6 23709	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_7 23710	28.21 2.45 0.00	24.84 2.07 0.00	23.40 1.69 0.00	23.16 1.72 0.00	23.20 1.62 0.00	24.86 2.03 0.00	28.51 2.09 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.26 2.74 -0.97	38.98 2.88 -1.39	41.43 2.85 -0.64	42.91 3.73 -0.35	44.35 3.81 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.47 0.00	56.59 5.61 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.77 2.77 0.00	31.91 2.87 0.00
BARRETT_IC_8 23711	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT_IC_9 23700	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT___1 23545	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BARRETT___2 23546	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.85 2.03 0.00	28.53 2.11 0.00	30.62 2.40 0.00	31.07 2.51 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.22 2.71 -0.97	38.97 2.88 -1.39	41.47 2.88 -0.64	42.83 3.65 -0.35	44.39 3.85 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.33 4.12 0.00	35.54 2.54 0.00	31.91 2.88 0.00
BATAVIA__115KV_TB1 55881	25.92 0.15 0.00	22.65 -0.11 0.00	21.23 -0.48 0.00	20.95 -0.49 0.00	20.97 -0.60 0.00	22.53 -0.30 0.00	25.70 0.08 0.80	27.24 0.28 1.26	28.33 0.57 0.79	28.46 0.43 0.97	29.42 0.45 1.13	30.76 0.44 1.23	33.10 0.14 1.74	36.31 0.46 2.09	37.20 0.58 2.21	38.28 0.60 2.40	44.19 1.39 2.10	51.11 0.71 4.23	51.63 0.00 5.09	46.93 0.25 4.31	43.34 0.09 3.61	36.70 0.16 2.68	31.30 0.10 1.80	28.23 0.15 0.96
BAYONEEC___CTG1 323682	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BAYONEEC___CTG10 323750	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BAYONEEC___CTG2 323683	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BAYONEEC___CTG3 323684	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BAYONEEC___CTG4 323685	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BAYONEEC___CTG5 323686	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BAYONEEC___CTG6 323687	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00



BAYONEEC___CTG7 323688	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BAYONEEC___CTG8 323689	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BAYONEEC___CTG9 323749	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.58 3.16 -2.72	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.34 5.35 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.56 2.53 0.00
BEACON___LESR 323632	26.92 1.16 0.00	24.00 1.23 0.00	22.88 1.17 0.00	22.50 1.05 0.00	22.74 1.16 0.00	24.01 1.19 0.00	27.66 1.24 0.00	29.24 1.01 0.00	29.46 0.91 0.00	29.63 0.87 0.23	30.58 0.84 0.36	31.97 0.92 0.49	35.08 1.08 0.70	38.80 1.18 0.32	40.26 1.59 0.17	41.73 1.88 0.23	47.10 2.20 0.00	57.26 2.95 0.32	59.77 3.06 0.00	53.79 2.80 0.00	49.48 2.62 0.00	41.29 2.08 0.00	34.35 1.35 0.00	30.23 1.19 0.00
BEAVER RIVER___HYD 24048	25.92 0.16 0.00	22.84 0.07 0.00	21.73 0.02 0.00	21.38 -0.06 0.00	21.54 -0.04 0.00	22.85 0.02 0.00	26.63 0.21 0.00	28.53 0.31 0.00	28.80 0.26 0.00	29.37 0.38 0.00	30.49 0.39 0.00	32.05 0.50 0.00	35.29 0.59 0.00	38.70 0.76 0.00	39.26 0.43 0.00	40.32 0.24 0.00	44.90 0.00 0.00	54.68 0.05 0.00	55.86 0.45 1.30	51.05 1.17 1.10	46.96 1.03 0.92	40.27 1.06 0.00	33.82 0.83 0.00	29.42 0.38 0.00
BEEBEE_GT_13 23619	25.69 -0.08 0.00	22.54 -0.23 0.00	21.20 -0.50 0.00	20.93 -0.51 0.00	20.97 -0.60 0.00	22.44 -0.39 0.00	25.62 0.05 0.86	27.07 0.20 1.35	28.13 0.43 0.84	28.36 0.41 1.03	29.31 0.42 1.21	30.70 0.47 1.32	33.11 0.28 1.87	36.20 0.49 2.24	37.05 0.58 2.37	38.15 0.64 2.57	43.90 1.26 2.25	50.86 0.76 4.53	51.49 0.23 5.45	46.68 0.31 4.61	43.18 0.19 3.86	36.54 0.20 2.87	31.20 0.13 1.93	28.19 0.17 1.03
BENSHRST_27_KV_BENSHRST_1 355998	28.24 2.47 -0.01	24.80 2.03 -0.01	23.40 1.69 -0.01	23.19 1.74 -0.01	23.20 1.62 -0.01	24.83 2.01 0.00	28.72 2.30 0.00	30.85 2.62 0.00	31.38 2.83 -0.01	32.38 2.93 -0.47	33.92 3.10 -0.72	35.64 3.12 -0.98	40.90 3.44 -2.76	42.19 3.60 -0.64	43.53 4.35 -0.35	44.91 4.37 -0.47	49.21 4.31 0.00	61.38 6.12 -0.63	63.06 6.35 0.00	56.39 5.40 0.00	51.64 4.78 0.00	43.45 4.24 0.00	36.21 3.20 -0.01	31.92 2.87 -0.01
BETHLEHEM___GRP 23843	26.46 0.70 0.00	23.63 0.87 0.00	22.44 0.74 0.00	22.20 0.75 0.00	22.25 0.67 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.79 0.56 0.00	28.97 0.43 0.00	29.18 0.41 0.22	30.18 0.42 0.34	31.53 0.44 0.46	34.60 0.56 0.66	38.21 0.57 0.30	39.61 0.93 0.16	40.86 1.00 0.22	46.16 1.26 0.00	56.02 1.69 0.30	58.58 1.87 0.00	52.62 1.63 0.00	48.45 1.59 0.00	40.47 1.25 0.00	33.76 0.76 0.00	29.74 0.70 0.00
BETHLEHEM___GS1 323560	26.46 0.70 0.00	23.63 0.86 0.00	22.55 0.85 0.00	22.20 0.75 0.00	22.42 0.84 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.79 0.56 0.00	28.97 0.43 0.00	29.18 0.41 0.22	30.18 0.42 0.34	31.53 0.44 0.46	34.56 0.52 0.66	38.21 0.57 0.30	39.60 0.93 0.16	40.94 1.08 0.22	46.16 1.26 0.00	56.03 1.70 0.30	58.58 1.87 0.00	52.67 1.68 0.00	48.45 1.59 0.00	40.47 1.25 0.00	33.76 0.76 0.00	29.73 0.70 0.00
BETHLEHEM___GS2 323561	26.46 0.70 0.00	23.63 0.86 0.00	22.55 0.85 0.00	22.20 0.75 0.00	22.42 0.84 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.79 0.56 0.00	28.97 0.43 0.00	29.18 0.41 0.22	30.18 0.42 0.34	31.53 0.44 0.46	34.56 0.52 0.66	38.21 0.57 0.30	39.60 0.93 0.16	40.94 1.08 0.22	46.16 1.26 0.00	56.03 1.70 0.30	58.58 1.87 0.00	52.67 1.68 0.00	48.45 1.59 0.00	40.47 1.25 0.00	33.76 0.76 0.00	29.73 0.70 0.00
BETHLEHEM___GS3 323562	26.46 0.70 0.00	23.63 0.86 0.00	22.55 0.85 0.00	22.20 0.75 0.00	22.42 0.84 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.79 0.56 0.00	28.97 0.43 0.00	29.18 0.41 0.22	30.18 0.42 0.34	31.53 0.44 0.46	34.56 0.52 0.66	38.21 0.57 0.30	39.60 0.93 0.16	40.94 1.08 0.22	46.16 1.26 0.00	56.03 1.70 0.30	58.58 1.87 0.00	52.67 1.68 0.00	48.45 1.59 0.00	40.47 1.25 0.00	33.76 0.76 0.00	29.73 0.70 0.00
BETHLEHEM___STEEL 23779	25.71 -0.05 0.00	22.40 -0.36 0.00	20.99 -0.72 0.00	20.74 -0.71 0.00	20.69 -0.88 0.00	22.32 -0.50 0.00	25.03 -0.66 0.73	26.58 -0.48 1.16	27.71 -0.11 0.72	27.87 -0.23 0.89	28.85 -0.21 1.03	30.10 -0.32 1.13	32.44 -0.66 1.60	35.61 -0.42 1.92	36.49 -0.31 2.03	37.40 -0.48 2.20	43.15 0.18 1.93	50.09 -0.66 3.88	50.62 -1.42 4.67	45.96 -1.07 3.95	42.33 -1.22 3.31	35.74 -1.02 2.46	30.59 -0.76 1.65	27.61 -0.55 0.88
BETHLHEM_115KV_TB1 79974	26.48 0.72 0.00	23.63 0.87 0.00	22.42 0.72 0.00	22.18 0.73 0.00	22.25 0.67 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.81 0.59 0.00	29.03 0.49 0.00	29.25 0.46 0.20	30.26 0.48 0.32	31.59 0.47 0.43	34.67 0.59 0.62	38.31 0.65 0.28	39.69 1.01 0.15	40.95 1.08 0.21	46.20 1.30 0.00	56.10 1.75 0.28	58.64 1.93 0.00	52.72 1.73 0.00	48.50 1.64 0.00	40.51 1.29 0.00	33.82 0.82 0.00	29.77 0.73 0.00
BETHPAGE_CC_5 323564	28.21 2.45 0.00	24.82 2.05 0.00	23.61 1.91 0.00	23.14 1.69 0.00	23.48 1.90 0.00	24.83 2.01 0.00	28.48 2.06 0.00	30.59 2.37 0.00	31.01 2.46 -0.01	31.91 2.46 -0.46	33.61 2.80 -0.72	35.16 2.65 -0.97	38.80 2.71 -1.39	41.32 2.73 -0.64	42.60 3.42 -0.35	44.19 3.65 -0.47	48.80 3.90 0.00	60.94 5.68 -0.63	63.01 6.29 0.00	56.60 5.61 0.00	51.54 4.69 0.00	43.22 4.00 0.00	35.44 2.44 0.00	31.91 2.88 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	25.76 0.00 0.00	22.45 -0.32 0.00	21.03 -0.67 0.00	20.76 -0.69 0.00	20.71 -0.86 0.00	22.37 -0.46 0.00	24.95 -0.74 0.73	26.54 -0.54 1.14	27.66 -0.17 0.72	27.85 -0.26 0.88	28.80 -0.27 1.02	30.08 -0.35 1.12	32.43 -0.69 1.58	35.59 -0.46 1.90	36.47 -0.35 2.01	37.38 -0.52 2.18	43.12 0.13 1.91	50.13 -0.66 3.84	50.62 -1.47 4.62	45.95 -1.12 3.91	42.31 -1.27 3.28	35.72 -1.06 2.43	30.57 -0.79 1.64	27.56 -0.61 0.87



BINGHAMTON___COGEN 23790	26.25 0.49 0.00	23.09 0.32 0.00	21.81 0.11 0.00	21.55 0.11 0.00	21.62 0.04 0.00	23.12 0.30 0.00	26.59 0.37 0.20	28.41 0.51 0.32	28.95 0.60 0.20	29.39 0.58 0.18	30.52 0.60 0.18	32.01 0.63 0.17	35.09 0.62 0.23	38.35 0.83 0.43	39.34 1.01 0.51	40.70 1.16 0.54	45.94 1.57 0.53	55.40 1.75 0.98	57.13 1.70 1.29	51.42 1.53 1.09	47.21 1.27 0.91	39.48 0.94 0.68	33.17 0.63 0.46	29.32 0.52 0.24
BIXINCNT_115KV_LOAD 355685	25.79 0.03 0.00	22.36 -0.41 0.00	20.92 -0.78 0.00	20.72 -0.73 0.00	20.65 -0.93 0.00	22.28 -0.55 0.00	24.67 -1.06 0.69	26.29 -0.85 1.09	27.38 -0.49 0.68	27.61 -0.55 0.83	28.61 -0.51 0.97	29.79 -0.69 1.06	32.12 -1.08 1.50	35.19 -0.95 1.80	35.99 -0.93 1.91	36.96 -1.04 2.07	42.59 -0.49 1.82	49.99 -0.98 3.65	50.51 -1.81 4.39	45.84 -1.43 3.72	41.96 -1.78 3.11	35.53 -1.37 2.31	30.35 -1.09 1.56	27.17 -1.05 0.83
BLACK RIVER___HYD 24047	25.99 0.23 0.00	22.86 0.09 0.00	21.75 0.04 0.00	21.36 -0.09 0.00	21.58 0.00 0.00	22.92 0.09 0.00	26.88 0.32 -0.14	28.86 0.42 -0.22	29.00 0.31 -0.14	29.56 0.41 -0.17	30.74 0.45 -0.19	32.29 0.54 -0.21	35.59 0.59 -0.30	39.02 0.72 -0.36	39.76 0.54 -0.38	40.97 0.48 -0.41	45.62 0.36 -0.36	55.85 0.49 -0.73	57.65 0.96 0.02	52.60 1.63 0.02	48.29 1.45 0.02	40.93 1.25 -0.46	34.23 0.92 -0.31	29.73 0.52 -0.17
BLACKRVR_115KV_TB2 79977	26.00 0.23 0.00	22.86 0.09 0.00	21.70 0.00 0.00	21.36 -0.09 0.00	21.53 -0.04 0.00	22.92 0.09 0.00	26.88 0.32 -0.14	28.86 0.42 -0.22	29.00 0.31 -0.14	29.56 0.41 -0.17	30.74 0.45 -0.19	32.29 0.54 -0.21	35.52 0.52 -0.30	39.03 0.72 -0.36	39.76 0.54 -0.38	40.97 0.48 -0.41	45.62 0.36 -0.36	55.85 0.49 -0.73	57.65 0.96 0.02	52.60 1.63 0.02	48.29 1.45 0.02	40.93 1.25 -0.46	34.23 0.92 -0.31	29.70 0.49 -0.17
BLISS_WT_PWR 323608	25.71 -0.05 0.00	22.27 -0.50 0.00	21.33 -0.37 0.00	20.63 -0.81 0.00	21.06 -0.52 0.00	22.19 -0.64 0.00	24.60 -1.14 0.69	26.14 -0.99 1.09	27.27 -0.60 0.68	27.52 -0.64 0.83	28.52 -0.60 0.97	29.66 -0.82 1.06	31.91 -1.28 1.50	35.01 -1.14 1.80	35.84 -1.09 1.91	36.81 -1.20 2.07	42.36 -0.72 1.82	49.83 -1.15 3.65	50.33 -1.99 4.39	45.79 -1.48 3.72	41.78 -1.97 3.11	35.41 -1.49 2.31	30.49 -0.96 1.56	27.05 -1.16 0.83
BLUESTONE___WT_PWR 323821	27.57 1.80 0.00	24.23 1.46 0.00	23.07 1.37 0.00	22.54 1.09 0.00	22.87 1.29 0.00	24.26 1.44 0.00	28.09 1.85 0.17	30.03 2.09 0.27	30.46 2.08 0.17	30.88 2.03 0.14	32.06 2.11 0.14	33.76 2.33 0.12	37.03 2.50 0.17	40.66 3.07 0.36	41.82 3.42 0.43	43.35 3.73 0.45	49.07 4.63 0.46	59.26 5.46 0.83	61.22 5.62 1.11	55.14 5.10 0.94	50.47 4.40 0.79	42.20 3.57 0.58	35.31 2.71 0.39	31.04 2.21 0.21
BLUE_CIRC_CHEM_DRP 24182	26.69 0.93 0.00	23.72 0.96 0.00	22.55 0.85 0.00	22.28 0.84 0.00	22.35 0.78 0.00	23.76 0.94 0.00	27.35 0.92 0.00	28.93 0.71 0.00	29.11 0.57 0.00	29.35 0.49 0.13	30.32 0.42 0.20	31.68 0.41 0.27	34.86 0.56 0.39	38.37 0.61 0.18	39.67 0.93 0.10	41.03 1.08 0.13	46.29 1.39 0.00	56.36 1.91 0.18	58.87 2.16 0.00	52.97 1.99 0.00	48.82 1.97 0.00	40.78 1.57 0.00	34.09 1.09 0.00	30.03 0.99 0.00
BOC_GAS_DRP 24189	26.51 0.75 0.00	23.52 0.75 0.00	22.33 0.63 0.00	22.09 0.64 0.00	22.16 0.58 0.00	23.58 0.75 0.00	27.16 0.74 0.00	28.90 0.68 0.00	29.14 0.60 0.00	29.46 0.61 0.13	30.52 0.63 0.21	31.89 0.63 0.28	35.02 0.73 0.41	38.52 0.76 0.19	39.86 1.13 0.10	41.10 1.16 0.14	46.25 1.35 0.00	56.25 1.80 0.18	58.64 1.93 0.00	52.72 1.73 0.00	48.50 1.64 0.00	40.55 1.33 0.00	33.86 0.86 0.00	29.82 0.78 0.00
BOONVILLE_115KV_TB1 79983	26.36 0.59 0.00	23.25 0.48 0.00	22.07 0.37 0.00	21.75 0.30 0.00	21.88 0.30 0.00	23.26 0.43 0.00	27.05 0.63 0.00	28.95 0.73 0.00	29.26 0.71 0.00	29.80 0.81 0.00	30.94 0.84 0.00	32.52 0.98 0.00	35.78 1.08 0.00	39.27 1.33 0.00	40.08 1.24 0.00	41.36 1.28 0.00	46.29 1.39 0.00	56.38 1.75 0.00	58.31 1.93 0.33	52.85 2.14 0.28	48.54 1.92 0.23	40.82 1.61 0.00	34.19 1.19 0.00	29.88 0.84 0.00
BORALEX_4TH_BRANCH 23824	27.00 1.24 0.00	23.95 1.18 0.00	22.75 1.04 0.00	22.54 1.09 0.00	22.57 0.99 0.00	24.10 1.28 0.00	27.69 1.27 0.00	29.41 1.19 0.00	29.48 0.94 0.01	29.34 0.90 0.55	30.20 0.96 0.86	31.29 0.91 1.17	34.06 1.04 1.69	38.24 1.06 0.77	39.93 1.51 0.42	41.08 1.56 0.56	46.88 1.98 0.00	56.38 2.51 0.76	59.66 2.95 0.00	53.59 2.60 0.00	49.62 2.76 0.00	41.37 2.16 0.00	34.52 1.52 0.00	30.40 1.36 0.00
BOWLINE___1 23526	27.52 1.75 0.00	24.23 1.46 0.00	23.14 1.43 0.00	22.69 1.24 0.00	23.02 1.45 0.00	24.33 1.51 0.00	28.06 1.64 0.00	30.08 1.86 0.00	30.55 2.00 -0.01	31.49 2.06 -0.44	33.00 2.23 -0.68	34.58 2.11 -0.92	38.33 2.29 -1.34	41.02 2.46 -0.61	42.27 3.11 -0.33	43.73 3.21 -0.44	48.36 3.46 0.00	60.04 4.81 -0.60	61.76 5.05 0.00	55.27 4.28 0.00	50.56 3.70 0.00	42.12 2.90 0.00	34.98 1.98 0.00	30.96 1.92 0.00
BOWLINE___2 23595	27.49 1.73 0.00	24.23 1.46 0.00	23.11 1.41 0.00	22.67 1.22 0.00	23.02 1.45 0.00	24.33 1.51 0.00	28.03 1.61 0.00	30.05 1.83 0.00	30.52 1.97 -0.01	31.46 2.03 -0.44	32.97 2.20 -0.68	34.58 2.11 -0.92	38.33 2.29 -1.34	41.02 2.46 -0.61	42.27 3.11 -0.33	43.73 3.21 -0.44	48.36 3.46 0.00	60.04 4.81 -0.60	61.76 5.05 0.00	55.27 4.28 0.00	50.56 3.70 0.00	42.12 2.90 0.00	34.98 1.98 0.00	30.96 1.92 0.00
BRADY___115KV_TB2 356060	25.48 -0.28 0.00	22.56 -0.20 0.00	21.70 0.00 0.00	21.38 -0.06 0.00	21.64 0.06 0.00	22.66 -0.16 0.00	26.29 -0.13 0.00	28.08 -0.14 0.00	28.32 -0.23 0.00	28.67 -0.32 0.00	29.76 -0.33 0.00	31.32 -0.22 0.00	34.53 -0.17 0.00	37.68 -0.27 0.00	38.25 -0.58 0.00	39.39 -0.68 0.00	43.24 -1.66 0.00	52.39 -2.24 0.00	50.17 -2.27 4.27	45.48 -1.89 3.62	42.19 -1.64 3.03	38.55 -0.67 0.00	32.74 -0.26 0.00	28.75 -0.29 0.00
BRANSCOMB___SOLAR 323811	26.92 1.16 0.00	23.84 1.07 0.00	22.79 1.08 0.00	22.43 0.99 0.00	22.68 1.10 0.00	23.94 1.12 0.00	27.61 1.19 0.00	29.32 1.10 0.00	29.54 1.00 0.01	29.63 0.93 0.28	30.53 0.87 0.44	31.76 0.82 0.60	34.84 1.01 0.86	38.69 1.14 0.40	40.02 1.40 0.21	41.47 1.68 0.29	46.97 2.07 0.00	57.02 2.78 0.39	59.72 3.00 0.00	53.94 2.96 0.00	49.62 2.76 0.00	41.37 2.16 0.00	34.52 1.52 0.00	30.38 1.34 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	28.62 2.86 0.00	25.23 2.46 0.00	23.72 2.02 0.00	23.46 2.02 0.00	23.52 1.94 0.00	25.22 2.40 0.00	28.85 2.43 0.00	30.99 2.77 0.00	31.35 2.80 -0.01	32.20 2.75 -0.46	33.94 3.13 -0.72	35.54 3.03 -0.97	39.22 3.12 -1.39	41.70 3.11 -0.64	43.26 4.08 -0.35	44.79 4.25 -0.47	49.44 4.53 0.00	61.32 6.06 -0.63	63.52 6.81 0.00	57.00 6.02 0.00	52.01 5.15 0.00	44.00 4.78 0.00	36.17 3.17 0.00	32.35 3.31 0.00



BRISTLHL_115KV_TB1 79998	25.53 -0.23 0.00	22.49 -0.27 0.00	21.31 -0.39 0.00	21.06 -0.39 0.00	21.15 -0.43 0.00	22.50 -0.32 0.00	26.76 -0.24 -0.58	28.96 -0.17 -0.91	28.94 -0.17 -0.57	29.54 -0.14 -0.70	30.73 -0.18 -0.81	32.27 -0.16 -0.89	35.68 -0.28 -1.26	39.26 -0.19 -1.51	40.28 -0.16 -1.60	41.77 -0.04 -1.73	46.65 0.22 -1.52	57.80 0.11 -3.06	60.45 0.06 -3.68	54.21 0.10 -3.12	49.51 0.05 -2.61	41.07 -0.08 -1.94	34.17 -0.13 -1.30	29.56 -0.17 -0.69
BROOKHAVEN___DRP 24191	28.39 2.63 0.00	25.02 2.25 0.00	23.53 1.82 0.00	23.25 1.80 0.00	23.30 1.73 0.00	24.99 2.17 0.00	28.48 2.06 0.00	30.59 2.37 0.00	30.95 2.40 -0.01	31.80 2.35 -0.46	33.52 2.71 -0.72	35.10 2.59 -0.97	38.70 2.60 -1.39	41.09 2.50 -0.64	42.48 3.30 -0.35	44.03 3.49 -0.47	48.76 3.86 0.00	61.05 5.79 -0.63	63.29 6.58 0.00	56.80 5.81 0.00	51.82 4.97 0.00	43.37 4.16 0.00	35.74 2.74 0.00	31.97 2.93 0.00
BROOKLYN_NAVY_YARD 23515	27.90 2.14 0.00	24.48 1.71 0.00	23.35 1.65 0.00	22.93 1.48 0.00	23.24 1.66 0.00	24.58 1.76 0.00	28.45 2.03 0.00	30.59 2.37 0.00	31.13 2.57 -0.01	32.11 2.67 -0.46	33.67 2.86 -0.72	35.35 2.84 -0.97	40.55 3.12 -2.72	41.88 3.30 -0.64	43.22 4.04 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.32 6.06 -0.63	63.01 6.29 0.00	56.39 5.40 0.00	51.59 4.73 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.54 2.50 0.00
BROOKLYN___ARMY_DRP 323595	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
BROOKVLE_69_KV_TB1 55790	28.24 2.47 0.00	24.86 2.09 0.00	23.44 1.74 0.00	23.18 1.74 0.00	23.24 1.66 0.00	24.90 2.08 0.00	28.61 2.19 0.00	30.73 2.51 0.00	31.21 2.65 -0.01	32.17 2.73 -0.46	33.85 3.04 -0.72	35.51 3.00 -0.97	39.32 3.23 -1.39	41.85 3.26 -0.64	43.34 4.16 -0.35	44.63 4.09 -0.47	49.35 4.45 0.00	61.49 6.23 -0.63	63.40 6.69 0.00	56.80 5.81 0.00	51.87 5.01 0.00	43.49 4.27 0.00	35.94 2.94 0.00	31.94 2.90 0.00
BROOME_2_LFGE 323671	26.25 0.49 0.00	23.09 0.32 0.00	22.01 0.30 0.00	21.55 0.11 0.00	21.86 0.28 0.00	23.12 0.30 0.00	26.59 0.37 0.20	28.41 0.51 0.32	28.95 0.60 0.20	29.39 0.58 0.18	30.52 0.60 0.18	32.01 0.63 0.17	35.09 0.63 0.23	38.34 0.83 0.43	39.34 1.01 0.51	40.70 1.16 0.54	45.94 1.57 0.53	55.40 1.75 0.98	57.12 1.70 1.29	51.42 1.53 1.09	47.21 1.27 0.91	39.48 0.94 0.68	33.20 0.66 0.46	29.32 0.52 0.24
BROOME___LFGE 323600	26.25 0.49 0.00	23.09 0.32 0.00	22.01 0.30 0.00	21.55 0.11 0.00	21.86 0.28 0.00	23.12 0.30 0.00	26.59 0.37 0.20	28.41 0.51 0.32	28.95 0.60 0.20	29.39 0.58 0.18	30.52 0.60 0.18	32.01 0.63 0.17	35.09 0.63 0.23	38.34 0.83 0.43	39.34 1.01 0.51	40.70 1.16 0.54	45.94 1.57 0.53	55.40 1.75 0.98	57.12 1.70 1.29	51.42 1.53 1.09	47.21 1.27 0.91	39.48 0.94 0.68	33.20 0.66 0.46	29.32 0.52 0.24
BROWNFLS_115KV_TB_3_5 80003	25.63 -0.13 0.00	22.61 -0.16 0.00	21.62 -0.09 0.00	21.28 -0.17 0.00	21.49 -0.09 0.00	22.66 -0.16 0.00	26.39 -0.03 0.00	28.25 0.03 0.00	28.46 -0.09 0.00	28.90 -0.09 0.00	29.98 -0.12 0.00	31.61 0.06 0.00	34.88 0.17 0.00	38.17 0.23 0.00	38.72 -0.12 0.00	39.84 -0.24 0.00	43.96 -0.94 0.00	53.21 -1.42 0.00	53.04 -1.19 2.48	48.32 -0.56 2.10	44.53 -0.56 1.76	39.29 0.08 0.00	33.20 0.20 0.00	29.01 -0.03 0.00
BROWNSV1_27_KV_LOAD 356125	28.11 2.34 0.00	24.68 1.91 0.00	23.31 1.61 0.00	23.10 1.65 0.00	23.11 1.53 0.00	24.76 1.94 0.00	28.67 2.25 0.00	30.82 2.60 0.00	31.38 2.83 -0.01	32.38 2.93 -0.46	33.91 3.10 -0.72	35.67 3.15 -0.97	40.89 3.47 -2.72	42.19 3.60 -0.64	43.57 4.39 -0.35	44.99 4.45 -0.47	49.61 4.71 0.00	61.87 6.61 -0.63	63.57 6.86 0.00	56.85 5.86 0.00	52.06 5.20 0.00	43.49 4.27 0.00	36.07 3.07 0.00	31.80 2.76 0.00
BURROWS___LYONSDAL 23803	26.25 0.49 0.00	23.13 0.36 0.00	21.99 0.28 0.00	21.64 0.19 0.00	21.77 0.19 0.00	23.14 0.32 0.00	26.92 0.50 0.00	28.84 0.62 0.00	29.15 0.60 0.00	29.71 0.72 0.00	30.85 0.75 0.00	32.43 0.88 0.00	35.67 0.97 0.00	39.16 1.21 0.00	39.89 1.05 0.00	41.08 1.00 0.00	45.98 1.08 0.00	55.94 1.31 0.00	57.78 1.59 0.52	52.53 1.99 0.44	48.27 1.78 0.37	40.74 1.53 0.00	34.12 1.12 0.00	29.77 0.73 0.00
CAITHNESS_CC_1 323624	28.39 2.63 0.00	24.98 2.21 0.00	23.74 2.04 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.51 2.09 0.00	30.59 2.37 0.00	30.98 2.43 -0.01	31.83 2.38 -0.46	33.55 2.74 -0.72	35.10 2.59 -0.97	38.70 2.60 -1.39	41.17 2.58 -0.64	42.45 3.26 -0.35	44.07 3.53 -0.47	48.76 3.86 0.00	61.00 5.73 -0.63	63.23 6.52 0.00	56.90 5.91 0.00	51.77 4.92 0.00	43.33 4.12 0.00	35.44 2.44 0.00	31.97 2.93 0.00
CALPINE BETH_PAGE_GT4 24209	28.29 2.52 0.00	24.91 2.14 0.00	23.44 1.74 0.00	23.18 1.74 0.00	23.24 1.66 0.00	24.90 2.08 0.00	28.56 2.14 0.00	30.68 2.46 0.00	31.10 2.54 -0.01	32.00 2.55 -0.46	33.70 2.89 -0.72	35.22 2.71 -0.97	38.87 2.78 -1.39	41.35 2.77 -0.64	42.83 3.65 -0.35	44.15 3.61 -0.47	48.81 3.91 0.00	60.94 5.68 -0.63	62.95 6.24 0.00	56.44 5.46 0.00	51.54 4.69 0.00	43.21 4.00 0.00	35.77 2.77 0.00	32.00 2.96 0.00
CALPINE_BETH_PAGE_GT_4 323586	28.29 2.53 0.00	24.89 2.12 0.00	23.66 1.95 0.00	23.18 1.74 0.00	23.54 1.96 0.00	24.90 2.08 0.00	28.56 2.14 0.00	30.68 2.45 0.00	31.10 2.54 -0.01	32.00 2.55 -0.46	33.70 2.89 -0.72	35.19 2.68 -0.97	38.87 2.78 -1.39	41.39 2.81 -0.64	42.60 3.42 -0.35	44.19 3.65 -0.47	48.80 3.90 0.00	60.94 5.68 -0.63	62.95 6.24 0.00	56.54 5.56 0.00	51.54 4.69 0.00	43.22 4.00 0.00	35.51 2.51 0.00	31.97 2.93 0.00
CALPINE_BP_GT1 23823	28.29 2.53 0.00	24.89 2.12 0.00	23.66 1.95 0.00	23.18 1.74 0.00	23.54 1.96 0.00	24.90 2.08 0.00	28.56 2.14 0.00	30.68 2.45 0.00	31.10 2.54 -0.01	32.00 2.55 -0.46	33.70 2.89 -0.72	35.19 2.68 -0.97	38.87 2.78 -1.39	41.39 2.81 -0.64	42.60 3.42 -0.35	44.19 3.65 -0.47	48.80 3.90 0.00	60.94 5.68 -0.63	62.95 6.24 0.00	56.54 5.56 0.00	51.54 4.69 0.00	43.22 4.00 0.00	35.51 2.51 0.00	31.97 2.93 0.00
CALSPAN___DRP 24200	25.71 -0.05 0.00	22.40 -0.36 0.00	20.99 -0.72 0.00	20.74 -0.71 0.00	20.69 -0.88 0.00	22.32 -0.50 0.00	25.03 -0.66 0.73	26.58 -0.48 1.16	27.71 -0.11 0.72	27.87 -0.23 0.89	28.85 -0.21 1.03	30.10 -0.32 1.13	32.44 -0.66 1.60	35.61 -0.42 1.92	36.49 -0.31 2.03	37.40 -0.48 2.20	43.15 0.18 1.93	50.09 -0.66 3.88	50.62 -1.42 4.67	45.96 -1.07 3.95	42.33 -1.22 3.31	35.74 -1.02 2.46	30.59 -0.76 1.65	27.61 -0.55 0.88



CALVERTON___SOLAR 323806	28.39 2.63 0.00	25.00 2.23 0.00	23.77 2.06 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.48 2.06 0.00	30.56 2.34 0.00	30.95 2.40 -0.01	31.80 2.35 -0.46	33.52 2.71 -0.72	35.10 2.59 -0.97	38.70 2.60 -1.39	41.13 2.54 -0.64	42.40 3.22 -0.35	44.07 3.53 -0.47	48.80 3.90 0.00	61.11 5.85 -0.63	63.34 6.63 0.00	57.00 6.01 0.00	51.92 5.06 0.00	43.41 4.20 0.00	35.48 2.48 0.00	31.97 2.93 0.00
CANDIGU_WT_PWR 323617	25.92 0.16 0.00	22.65 -0.11 0.00	21.64 -0.06 0.00	21.00 -0.45 0.00	21.38 -0.19 0.00	22.64 -0.18 0.00	25.72 -0.18 0.52	27.43 0.03 0.82	28.32 0.29 0.51	28.64 0.23 0.58	29.59 0.15 0.66	30.94 0.09 0.70	33.57 -0.14 0.99	36.73 0.08 1.29	37.63 0.20 1.40	38.81 0.24 1.51	44.43 0.90 1.36	52.61 0.66 2.68	53.70 0.28 3.30	48.60 0.41 2.79	44.61 0.09 2.34	37.40 -0.08 1.73	31.93 0.10 1.17	28.36 -0.06 0.62
CARR STREET_E_SYR 24060	25.69 -0.08 0.00	22.63 -0.14 0.00	21.55 -0.15 0.00	21.17 -0.28 0.00	21.40 -0.17 0.00	22.64 -0.18 0.00	25.94 -0.08 0.40	27.59 0.00 0.63	28.18 0.03 0.39	28.57 0.06 0.48	29.56 0.03 0.56	30.99 0.06 0.61	33.83 0.00 0.87	36.86 -0.04 1.04	37.77 0.04 1.11	39.08 0.20 1.20	44.25 0.40 1.05	52.85 0.33 2.11	54.40 0.23 2.54	49.04 0.20 2.15	45.15 0.09 1.80	37.88 0.00 1.34	32.10 0.00 0.90	28.56 0.00 0.48
CARTHAGE___PAPER 23857	25.89 0.13 0.00	22.79 0.02 0.00	21.68 -0.02 0.00	21.34 -0.11 0.00	21.51 -0.06 0.00	22.85 0.02 0.00	26.66 0.24 0.00	28.56 0.34 0.00	28.80 0.26 0.00	29.34 0.35 0.00	30.46 0.36 0.00	31.98 0.44 0.00	35.22 0.52 0.00	38.59 0.64 0.00	39.23 0.39 0.00	40.28 0.20 0.00	44.90 0.00 0.00	54.74 0.11 0.00	56.22 0.57 1.06	51.37 1.28 0.90	47.23 1.12 0.75	40.27 1.06 0.00	33.82 0.83 0.00	29.42 0.38 0.00
CASSADAGA_WT_PWR 323784	26.20 0.44 0.00	22.70 -0.07 0.00	21.62 -0.09 0.00	20.78 -0.67 0.00	21.23 -0.35 0.00	22.46 -0.37 0.00	25.13 -0.58 0.71	27.00 -0.11 1.11	28.31 0.46 0.70	28.43 0.29 0.85	29.37 0.27 0.99	30.55 0.09 1.09	32.88 -0.28 1.54	36.40 0.30 1.84	37.62 0.74 1.96	38.60 0.64 2.12	44.48 1.44 1.86	51.76 0.87 3.74	52.27 0.06 4.49	47.69 0.51 3.81	43.62 -0.05 3.19	36.69 -0.16 2.36	31.54 0.13 1.59	28.02 -0.17 0.85
CE_DUNWOOD___DRP 24194	27.70 1.93 0.00	24.38 1.62 0.00	23.05 1.35 0.00	22.84 1.39 0.00	22.87 1.29 0.00	24.47 1.64 0.00	28.27 1.85 0.00	30.31 2.09 0.00	30.81 2.26 -0.01	31.80 2.35 -0.46	33.31 2.50 -0.71	35.03 2.52 -0.97	38.88 2.78 -1.40	41.47 3.61 -0.64	42.79 3.61 -0.35	44.19 3.65 -0.47	48.85 3.95 0.00	60.78 5.52 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.67 3.45 0.00	35.44 2.44 0.00	31.28 2.24 0.00
CE_MILLWOOD___DRP 24193	27.64 1.88 0.00	24.34 1.57 0.00	23.01 1.30 0.00	22.78 1.33 0.00	22.81 1.23 0.00	24.42 1.60 0.00	28.19 1.77 0.00	30.22 2.00 0.00	30.72 2.17 -0.01	31.68 2.23 -0.46	33.21 2.41 -0.71	34.90 2.40 -0.96	38.73 2.64 -1.39	41.35 2.77 -0.64	42.68 3.50 -0.34	44.07 3.53 -0.46	48.72 3.82 0.00	60.56 5.30 -0.63	62.27 5.56 0.00	55.73 4.74 0.00	51.03 4.17 0.00	42.51 3.29 0.00	35.34 2.34 0.00	31.19 2.15 0.00
CE_NYC2_DRP 24202	28.04 2.27 -0.01	24.64 1.87 -0.01	23.30 1.58 -0.01	23.06 1.61 -0.01	23.10 1.51 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.30 4.12 -0.35	44.67 4.13 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.06 3.84 0.00	35.91 2.90 -0.01	31.69 2.64 -0.01
CE_NYC_DRP 24195	27.95 2.19 0.00	24.57 1.80 0.00	23.20 1.50 0.00	22.99 1.54 0.00	23.00 1.42 0.00	24.65 1.83 0.00	28.51 2.09 0.00	30.65 2.43 0.00	31.18 2.63 -0.01	32.20 2.75 -0.46	33.73 2.92 -0.72	35.48 2.97 -0.97	40.68 3.26 -2.71	41.96 3.38 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	49.30 4.40 0.00	61.43 6.17 -0.63	63.12 6.41 0.00	56.44 5.46 0.00	51.68 4.83 0.00	43.10 3.88 0.00	35.84 2.84 0.00	31.59 2.56 0.00
CHAFFEE___LFGE 323603	25.79 0.03 0.00	22.47 -0.30 0.00	21.47 -0.24 0.00	20.78 -0.67 0.00	21.17 -0.41 0.00	22.39 -0.43 0.00	25.05 -0.66 0.71	26.68 -0.42 1.12	27.79 -0.06 0.70	27.96 -0.17 0.86	28.91 -0.18 1.00	30.20 -0.25 1.09	32.49 -0.66 1.55	35.82 -0.26 1.86	36.75 -0.12 1.97	37.58 -0.36 2.13	43.38 0.36 1.87	50.37 -0.49 3.77	50.93 -1.25 4.53	46.33 -0.82 3.84	42.57 -1.08 3.21	35.93 -0.90 2.38	30.96 -0.43 1.60	27.66 -0.52 0.85
CHATEAUG_35_KV_LOAD 355732	25.07 -0.70 0.00	22.15 -0.61 0.00	21.33 -0.37 0.00	21.00 -0.45 0.00	21.28 -0.30 0.00	22.32 -0.50 0.00	26.02 -0.40 0.00	27.91 -0.31 0.00	28.32 -0.23 0.00	28.79 -0.20 0.00	29.82 -0.27 0.00	31.32 -0.22 0.00	34.63 -0.07 0.00	37.72 -0.23 0.00	38.29 -0.54 0.00	39.07 -1.00 0.00	43.42 -1.48 0.00	52.72 -1.91 0.00	49.99 -2.16 4.57	45.08 -2.04 3.87	41.79 -1.83 3.24	37.61 -1.61 0.00	31.94 -1.06 0.00	27.99 -1.05 0.00
CHATEAUG_WT_PWR 323614	24.96 -0.80 0.00	21.97 -0.80 0.00	20.99 -0.72 0.00	20.87 -0.58 0.00	20.87 -0.71 0.00	22.16 -0.66 0.00	26.00 -0.42 0.00	27.99 -0.23 0.00	28.57 0.03 0.00	29.11 0.12 0.00	30.04 -0.06 0.00	31.54 0.00 0.00	35.05 0.35 0.00	38.10 0.15 0.00	38.68 -0.15 0.00	38.87 -1.20 0.00	43.15 -1.75 0.00	52.39 -2.24 0.00	49.41 -2.66 4.64	44.31 -2.75 3.93	41.18 -2.39 3.29	36.90 -2.31 0.00	31.55 -1.45 0.00	27.67 -1.36 0.00
CHAT_HIGH_FALL_HYD 323578	25.07 -0.70 0.00	22.15 -0.61 0.00	21.33 -0.37 0.00	21.00 -0.45 0.00	21.28 -0.30 0.00	22.32 -0.50 0.00	26.02 -0.40 0.00	27.91 -0.31 0.00	28.32 -0.23 0.00	28.79 -0.20 0.00	29.82 -0.27 0.00	31.32 -0.22 0.00	34.63 -0.07 0.00	37.72 -0.23 0.00	38.29 -0.54 0.00	39.07 -1.00 0.00	43.42 -1.48 0.00	52.72 -1.91 0.00	49.99 -2.16 4.57	45.08 -2.04 3.87	41.79 -1.83 3.24	37.61 -1.61 0.00	31.94 -1.06 0.00	27.99 -1.05 0.00
CHAUTAUQUA___LFGE 323629	26.05 0.28 0.00	22.63 -0.14 0.00	21.60 -0.11 0.00	20.85 -0.60 0.00	21.26 -0.32 0.00	22.48 -0.34 0.00	25.25 -0.45 0.72	26.98 -0.11 1.13	28.18 0.34 0.71	28.35 0.23 0.87	29.33 0.24 1.01	30.57 0.13 1.10	32.90 -0.24 1.56	36.34 0.27 1.87	37.35 0.50 1.99	38.29 0.36 2.15	44.18 1.17 1.89	51.38 0.55 3.79	51.93 -0.23 4.56	47.23 0.10 3.86	43.30 -0.33 3.23	36.46 -0.35 2.40	31.38 0.00 1.62	27.98 -0.20 0.86
CHERRYST_13_KV_LD 356241	28.03 2.27 0.00	24.61 1.84 0.00	23.27 1.56 0.00	23.03 1.59 0.00	23.07 1.49 0.00	24.72 1.89 0.00	28.59 2.17 0.00	30.76 2.54 0.00	31.30 2.74 -0.01	32.32 2.87 -0.46	33.85 3.04 -0.72	35.60 3.09 -0.97	40.82 3.40 -2.71	42.11 3.53 -0.64	43.49 4.31 -0.35	44.91 4.37 -0.47	49.53 4.62 0.00	61.71 6.45 -0.63	63.35 6.64 0.00	56.65 5.66 0.00	51.87 5.01 0.00	43.21 4.00 0.00	35.94 2.94 0.00	31.68 2.64 0.00



CHESTROR_138KV_BK263 355645	27.36 1.60 0.00	24.11 1.34 0.00	22.79 1.09 0.00	22.56 1.12 0.00	22.61 1.04 0.00	24.19 1.37 0.00	27.90 1.48 0.00	29.86 1.64 0.00	30.32 1.77 -0.01	31.19 1.80 -0.41	32.69 1.96 -0.64	34.33 1.92 -0.86	38.10 2.15 -1.24	40.79 2.28 -0.57	42.10 2.95 -0.31	43.50 3.01 -0.41	48.22 3.32 0.00	59.78 4.59 -0.56	61.53 4.82 0.00	55.06 4.08 0.00	50.42 3.56 0.00	42.00 2.78 0.00	34.91 1.91 0.00	30.81 1.77 0.00
CH_MIDHUDSON___DRP 24192	27.54 1.78 0.00	24.27 1.50 0.00	22.96 1.26 0.00	22.73 1.29 0.00	22.76 1.19 0.00	24.35 1.53 0.00	28.06 1.64 0.00	30.00 1.78 0.00	30.41 1.86 -0.01	31.28 1.91 -0.38	32.76 2.08 -0.59	34.42 2.08 -0.80	38.21 2.36 -1.15	40.97 2.50 -0.53	42.31 3.18 -0.28	43.71 3.25 -0.38	48.54 3.64 0.00	60.12 4.97 -0.52	61.99 5.27 0.00	55.42 4.44 0.00	50.84 3.98 0.00	42.31 3.10 0.00	35.11 2.11 0.00	30.96 1.92 0.00
CH_MISC_IPPS 23765	27.70 1.93 0.00	24.38 1.62 0.00	23.27 1.56 0.00	22.82 1.37 0.00	23.13 1.55 0.00	24.44 1.62 0.00	28.19 1.77 0.00	30.11 1.89 0.00	30.58 2.03 -0.01	31.44 2.06 -0.39	32.97 2.26 -0.61	34.64 2.27 -0.83	38.50 2.60 -1.20	41.37 2.88 -0.55	42.67 3.53 -0.30	44.16 3.68 -0.40	48.99 4.09 0.00	60.74 5.57 -0.54	62.55 5.84 0.00	55.99 5.00 0.00	51.26 4.40 0.00	42.62 3.41 0.00	35.21 2.21 0.00	31.10 2.06 0.00
CH_RES_BVR_FALLS 23983	25.12 -0.64 0.00	22.20 -0.57 0.00	21.16 -0.54 0.00	21.00 -0.45 0.00	21.06 -0.52 0.00	22.30 -0.52 0.00	25.86 -0.56 0.00	27.68 -0.54 0.00	28.06 -0.49 0.00	28.56 -0.43 0.00	29.64 -0.45 0.00	31.07 -0.47 0.00	34.18 -0.52 0.00	37.30 -0.65 0.00	37.94 -0.89 0.00	39.03 -1.04 0.00	43.55 -1.35 0.00	53.04 -1.59 0.00	47.87 -1.59 7.26	43.36 -1.48 6.14	40.35 -1.36 5.14	38.16 -1.06 0.00	32.24 -0.76 0.00	28.34 -0.70 0.00
CH_RES_NIAGARA 23895	24.73 -1.03 0.00	21.65 -1.12 0.00	20.27 -1.43 0.00	20.03 -1.42 0.00	19.96 -1.62 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.19 -1.80 1.71	34.19 -1.71 2.04	34.88 -1.79 2.17	35.72 -2.00 2.35	41.31 -1.53 2.06	47.75 -2.73 4.14	48.16 -3.57 4.98	43.86 -2.91 4.22	40.51 -2.81 3.53	34.32 -2.27 2.62	29.49 -1.75 1.76	26.91 -1.19 0.94
CH_RES_SYRACUSE 23985	25.84 0.08 0.00	22.74 -0.02 0.00	21.68 -0.02 0.00	21.27 -0.17 0.00	21.51 -0.06 0.00	22.76 -0.07 0.00	26.50 0.08 0.00	28.39 0.17 0.00	28.75 0.20 0.00	29.19 0.20 0.00	30.28 0.18 0.00	31.77 0.22 0.00	34.95 0.24 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.68 0.60 0.00	45.80 0.90 0.00	55.56 0.93 0.00	57.56 0.85 0.00	51.75 0.77 0.00	47.51 0.66 0.00	39.65 0.43 0.00	33.26 0.26 0.00	29.21 0.18 0.00
CLINTON_WT_PWR 323605	24.96 -0.80 0.00	21.97 -0.80 0.00	20.99 -0.72 0.00	20.87 -0.58 0.00	20.87 -0.71 0.00	22.16 -0.66 0.00	26.00 -0.42 0.00	27.99 -0.23 0.00	28.57 0.03 0.00	29.11 0.12 0.00	30.04 -0.06 0.00	31.54 0.00 0.00	35.05 0.35 0.00	38.10 0.15 0.00	38.68 -0.15 0.00	38.87 -1.20 0.00	43.15 -1.75 0.00	52.39 -2.24 0.00	49.41 -2.66 4.64	44.31 -2.75 3.93	41.18 -2.39 3.29	36.90 -2.31 0.00	31.55 -1.45 0.00	27.67 -1.36 0.00
CLINTON___LFGE 323618	25.25 -0.52 0.00	22.29 -0.48 0.00	21.27 -0.43 0.00	21.10 -0.34 0.00	21.15 -0.43 0.00	22.50 -0.32 0.00	26.34 -0.08 0.00	28.33 0.11 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.28 0.18 0.00	31.79 0.25 0.00	35.22 0.52 0.00	38.32 0.38 0.00	38.95 0.12 0.00	39.23 -0.84 0.00	43.69 -1.21 0.00	52.93 -1.69 0.00	50.10 -1.99 4.62	45.03 -2.04 3.92	41.89 -1.68 3.28	37.61 -1.61 0.00	32.08 -0.92 0.00	28.11 -0.93 0.00
COBBLENY_34_KV_TB1 80064	25.79 0.03 0.00	22.47 -0.30 0.00	21.05 -0.65 0.00	20.78 -0.66 0.00	20.74 -0.84 0.00	22.39 -0.43 0.00	25.05 -0.66 0.71	26.68 -0.42 1.12	27.79 -0.06 0.70	27.96 -0.17 0.86	28.91 -0.18 1.00	30.20 -0.25 1.09	32.56 -0.59 1.55	35.82 -0.27 1.86	36.71 -0.16 1.97	37.58 -0.36 2.13	43.39 0.36 1.87	50.42 -0.44 3.77	50.93 -1.25 4.53	46.23 -0.92 3.84	42.57 -1.08 3.21	35.93 -0.90 2.38	30.70 -0.69 1.60	27.66 -0.52 0.85
COFFEEN___115KV_TB3 355620	26.18 0.41 0.00	23.02 0.25 0.00	21.83 0.13 0.00	21.49 0.04 0.00	21.66 0.09 0.00	23.05 0.23 0.00	27.07 0.50 -0.14	29.07 0.62 -0.23	29.17 0.49 -0.14	29.74 0.58 -0.18	30.90 0.60 -0.20	32.46 0.69 -0.22	35.71 0.69 -0.32	39.23 0.91 -0.38	39.98 0.74 -0.40	41.23 0.72 -0.43	45.96 0.67 -0.38	56.32 0.93 -0.77	58.29 1.53 -0.05	53.17 2.14 -0.04	48.81 1.92 -0.03	41.31 1.61 -0.49	34.51 1.19 -0.33	29.97 0.76 -0.17
COLDSPRG_115KV_BK1 355956	26.56 0.80 0.00	23.02 0.25 0.00	21.47 -0.24 0.00	21.19 -0.26 0.00	21.15 -0.43 0.00	22.96 0.14 0.00	25.47 -0.26 0.68	27.40 0.25 1.08	28.62 0.74 0.67	28.74 0.58 0.82	29.77 0.63 0.96	31.00 0.50 1.05	33.56 0.35 1.49	37.03 0.87 1.78	38.15 1.20 1.89	38.99 0.96 2.05	44.90 1.80 1.80	52.33 1.31 3.61	52.82 0.45 4.35	47.97 0.66 3.68	43.96 0.19 3.08	37.09 0.16 2.29	31.59 0.13 1.54	28.19 -0.03 0.82
COLONIE_LFGE___ 323577	26.80 1.03 0.00	23.77 1.00 0.00	22.68 0.98 0.00	22.35 0.90 0.00	22.59 1.01 0.00	23.85 1.03 0.00	27.48 1.06 0.00	29.18 0.96 0.00	29.37 0.83 0.01	29.44 0.78 0.33	30.39 0.81 0.52	31.63 0.79 0.70	34.62 0.94 1.02	38.50 1.02 0.47	39.94 1.36 0.25	41.26 1.52 0.34	46.70 1.80 0.00	56.57 2.40 0.46	59.32 2.61 0.00	53.38 2.40 0.00	49.20 2.34 0.00	41.06 1.84 0.00	34.25 1.25 0.00	30.17 1.13 0.00
COOPERNY_115KV_TB1 80082	27.15 1.39 0.00	23.93 1.16 0.00	22.62 0.91 0.00	22.39 0.94 0.00	22.44 0.86 0.00	23.99 1.16 0.00	27.69 1.27 0.00	29.69 1.47 0.00	30.12 1.57 -0.01	30.90 1.59 -0.31	32.30 1.72 -0.49	33.91 1.70 -0.66	37.53 1.87 -0.96	40.39 2.01 -0.44	41.68 2.60 -0.24	43.04 2.64 -0.32	47.82 2.92 0.00	58.99 3.93 -0.43	60.85 4.14 0.00	54.50 3.52 0.00	49.95 3.09 0.00	41.65 2.43 0.00	34.68 1.68 0.00	30.61 1.57 0.00
COPENHAGEN_WT_PWR 323753	25.95 0.18 0.00	22.84 0.07 0.00	21.73 0.02 0.00	21.34 -0.11 0.00	21.54 -0.04 0.00	22.87 0.05 0.00	26.84 0.26 -0.16	28.83 0.37 -0.25	28.99 0.29 -0.15	29.53 0.35 -0.19	30.68 0.36 -0.22	32.26 0.47 -0.24	35.53 0.49 -0.34	38.96 0.61 -0.41	39.74 0.47 -0.44	40.95 0.40 -0.47	45.63 0.32 -0.41	55.84 0.39 -0.83	57.74 0.85 -0.17	52.61 1.48 -0.15	48.25 1.27 -0.12	40.84 1.10 -0.53	34.18 0.83 -0.35	29.66 0.44 -0.19
CORNELL_____ 23752	26.56 0.80 0.00	23.36 0.59 0.00	22.07 0.37 0.00	21.79 0.34 0.00	21.88 0.30 0.00	23.39 0.57 0.00	27.07 0.87 0.22	28.91 1.04 0.35	29.35 1.03 0.22	29.74 1.01 0.27	30.71 0.93 0.31	32.24 1.04 0.34	35.33 1.11 0.49	38.77 1.40 0.58	39.77 1.55 0.62	41.21 1.80 0.67	46.78 2.47 0.59	56.35 2.90 1.18	58.30 3.01 1.42	52.59 2.80 1.20	48.29 2.44 1.00	40.31 1.84 0.75	33.85 1.35 0.50	29.85 1.07 0.27



CORONA V_69_KV_TB1 355595	28.31 2.55 0.00	24.93 2.16 0.00	23.48 1.78 0.00	23.23 1.78 0.00	23.28 1.70 0.00	24.95 2.12 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.18 2.63 -0.01	32.12 2.67 -0.46	33.82 3.01 -0.72	35.44 2.93 -0.97	39.22 3.12 -1.39	41.70 3.11 -0.64	43.18 4.00 -0.35	44.67 4.13 -0.47	49.30 4.40 0.00	61.49 6.23 -0.63	63.52 6.81 0.00	56.95 5.97 0.00	52.06 5.20 0.00	43.61 4.39 0.00	35.97 2.97 0.00	32.03 2.99 0.00
CORTLAND_115KV_TB3 80093	26.36 0.59 0.00	23.20 0.43 0.00	21.94 0.24 0.00	21.66 0.21 0.00	21.75 0.17 0.00	23.23 0.41 0.00	26.84 0.63 0.21	28.65 0.76 0.34	29.11 0.77 0.21	29.49 0.75 0.26	30.52 0.72 0.30	32.00 0.79 0.33	35.10 0.87 0.46	38.49 1.10 0.56	39.49 1.24 0.59	40.88 1.44 0.64	46.27 1.93 0.56	55.74 2.24 1.13	57.68 2.33 1.36	51.98 2.14 1.15	47.72 1.83 0.96	39.91 1.41 0.71	33.51 0.99 0.48	29.57 0.78 0.26
COXSACKIE__GT 23611	27.64 1.88 0.00	24.54 1.78 0.00	23.38 1.67 0.00	22.95 1.50 0.00	23.20 1.62 0.00	24.49 1.67 0.00	28.22 1.80 0.00	29.60 1.38 0.00	29.72 1.17 0.00	29.95 1.01 0.05	31.04 1.02 0.08	32.41 0.98 0.11	35.93 1.39 0.16	39.62 1.75 0.07	40.97 2.17 0.04	42.62 2.60 0.05	48.14 3.23 0.00	59.31 4.75 0.07	61.87 5.16 0.00	55.63 4.64 0.00	51.16 4.31 0.00	42.47 3.25 0.00	34.88 1.88 0.00	30.61 1.57 0.00
CPV_VALLEY__CC1 323721	27.18 1.42 0.00	23.95 1.18 0.00	22.85 1.15 0.00	22.43 0.99 0.00	22.74 1.16 0.00	24.03 1.21 0.00	27.74 1.32 0.00	29.69 1.47 0.00	30.15 1.60 -0.01	31.02 1.65 -0.38	32.46 1.78 -0.59	34.07 1.73 -0.79	37.76 1.91 -1.15	40.52 2.05 -0.52	41.76 2.64 -0.28	43.18 2.73 -0.38	47.91 3.01 0.00	59.25 4.10 -0.52	61.02 4.31 0.00	54.66 3.67 0.00	50.04 3.19 0.00	41.73 2.51 0.00	34.65 1.65 0.00	30.64 1.60 0.00
CPV_VALLEY__CC2 323722	27.18 1.42 0.00	23.95 1.18 0.00	22.85 1.15 0.00	22.43 0.99 0.00	22.74 1.16 0.00	24.03 1.21 0.00	27.74 1.32 0.00	29.69 1.47 0.00	30.15 1.60 -0.01	31.02 1.65 -0.38	32.46 1.78 -0.59	34.07 1.73 -0.79	37.76 1.91 -1.15	40.52 2.05 -0.52	41.76 2.64 -0.28	43.18 2.73 -0.38	47.91 3.01 0.00	59.25 4.10 -0.52	61.02 4.31 0.00	54.66 3.67 0.00	50.04 3.19 0.00	41.73 2.51 0.00	34.65 1.65 0.00	30.64 1.60 0.00
CRESCENT__HYD 24018	26.80 1.03 0.00	23.77 1.00 0.00	22.68 0.98 0.00	22.35 0.90 0.00	22.59 1.01 0.00	23.85 1.03 0.00	27.48 1.06 0.00	29.18 0.96 0.00	29.37 0.83 0.01	29.44 0.78 0.33	30.39 0.81 0.52	31.63 0.79 0.70	34.62 0.94 1.02	38.50 1.02 0.47	39.94 1.36 0.25	41.26 1.52 0.34	46.70 1.80 0.00	56.57 2.40 0.46	59.32 2.61 0.00	53.38 2.40 0.00	49.20 2.34 0.00	41.06 1.84 0.00	34.25 1.25 0.00	30.17 1.13 0.00
CRICKET__VALLEY_CC1 323756	27.18 1.42 0.00	24.06 1.30 0.00	22.98 1.28 0.00	22.58 1.14 0.00	22.89 1.32 0.00	24.17 1.35 0.00	27.77 1.35 0.00	29.66 1.44 0.00	29.88 1.40 0.07	26.99 1.45 3.45	26.28 1.56 5.38	25.81 1.55 7.28	25.88 1.70 10.52	34.96 1.82 4.81	38.64 2.41 2.60	39.06 2.49 3.50	47.64 2.74 0.00	53.64 3.77 4.75	60.80 4.09 0.00	54.45 3.47 0.00	50.09 3.23 0.00	41.73 2.51 0.00	34.65 1.65 0.00	30.61 1.57 0.00
CRICKET__VALLEY_CC2 323757	27.18 1.42 0.00	24.06 1.30 0.00	22.98 1.28 0.00	22.58 1.14 0.00	22.89 1.32 0.00	24.17 1.35 0.00	27.77 1.35 0.00	29.66 1.44 0.00	29.88 1.40 0.07	26.99 1.45 3.45	26.28 1.56 5.38	25.81 1.55 7.28	25.88 1.70 10.52	34.96 1.82 4.81	38.64 2.41 2.60	39.06 2.49 3.50	47.64 2.74 0.00	53.64 3.77 4.75	60.80 4.09 0.00	54.45 3.47 0.00	50.09 3.23 0.00	41.73 2.51 0.00	34.65 1.65 0.00	30.61 1.57 0.00
CRICKET__VALLEY_CC3 323758	27.18 1.42 0.00	24.06 1.30 0.00	22.98 1.28 0.00	22.58 1.14 0.00	22.89 1.32 0.00	24.17 1.35 0.00	27.77 1.35 0.00	29.66 1.44 0.00	29.88 1.40 0.07	26.99 1.45 3.45	26.28 1.56 5.38	25.81 1.55 7.28	25.88 1.70 10.52	34.96 1.82 4.81	38.64 2.41 2.60	39.06 2.49 3.50	47.64 2.74 0.00	53.64 3.77 4.75	60.80 4.09 0.00	54.45 3.47 0.00	50.09 3.23 0.00	41.73 2.51 0.00	34.65 1.65 0.00	30.61 1.57 0.00
CRUCIBLE_METL_DRP 24180	25.84 0.08 0.00	22.74 -0.02 0.00	21.55 -0.15 0.00	21.28 -0.17 0.00	21.36 -0.22 0.00	22.76 -0.07 0.00	26.50 0.08 0.00	28.39 0.17 0.00	28.75 0.20 0.00	29.19 0.20 0.00	30.28 0.18 0.00	31.76 0.22 0.00	34.94 0.24 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.68 0.60 0.00	45.80 0.90 0.00	55.56 0.93 0.00	57.56 0.85 0.00	51.75 0.76 0.00	47.51 0.66 0.00	39.65 0.43 0.00	33.23 0.23 0.00	29.21 0.17 0.00
DAHOWA__HYDRO 323763	26.95 1.19 0.00	23.84 1.07 0.00	22.81 1.11 0.00	22.46 1.01 0.00	22.70 1.12 0.00	23.96 1.14 0.00	27.66 1.24 0.00	29.38 1.16 0.00	29.60 1.06 0.01	29.67 0.96 0.27	30.57 0.90 0.42	31.79 0.82 0.57	34.88 1.01 0.83	38.74 1.18 0.38	40.03 1.40 0.21	41.52 1.72 0.28	47.01 2.11 0.00	57.15 2.89 0.38	59.83 3.12 0.00	54.04 3.06 0.00	49.71 2.86 0.00	41.41 2.19 0.00	34.55 1.55 0.00	30.40 1.37 0.00
DANC__LFGE 323619	25.76 0.00 0.00	22.68 -0.09 0.00	21.60 -0.11 0.00	21.21 -0.24 0.00	21.43 -0.15 0.00	22.73 -0.09 0.00	26.72 0.08 -0.22	28.72 0.14 -0.35	28.85 0.09 -0.22	29.41 0.15 -0.27	30.53 0.12 -0.31	32.08 0.19 -0.34	35.40 0.21 -0.49	38.76 0.23 -0.58	39.61 0.16 -0.62	40.95 0.20 -0.67	45.62 0.14 -0.59	55.98 0.16 -1.18	57.98 0.40 -0.86	52.53 0.81 -0.73	48.17 0.70 -0.61	40.51 0.55 -0.75	33.96 0.46 -0.50	29.48 0.18 -0.27
DANSKAMMER__1 23586	27.70 1.93 0.00	24.38 1.62 0.00	23.27 1.56 0.00	22.82 1.37 0.00	23.13 1.55 0.00	24.44 1.62 0.00	28.19 1.77 0.00	30.11 1.89 0.00	30.58 2.03 -0.01	31.44 2.06 -0.39	32.97 2.26 -0.61	34.64 2.27 -0.83	38.50 2.60 -1.20	41.37 2.88 -0.55	42.67 3.53 -0.30	44.16 3.68 -0.40	48.99 4.09 0.00	60.74 5.57 -0.54	62.55 5.84 0.00	55.99 5.00 0.00	51.26 4.40 0.00	42.62 3.41 0.00	35.21 2.21 0.00	31.10 2.06 0.00
DANSKAMMER__2 23589	27.70 1.93 0.00	24.38 1.62 0.00	23.27 1.56 0.00	22.82 1.37 0.00	23.13 1.55 0.00	24.44 1.62 0.00	28.19 1.77 0.00	30.11 1.89 0.00	30.58 2.03 -0.01	31.44 2.06 -0.39	32.97 2.26 -0.61	34.64 2.27 -0.83	38.50 2.60 -1.20	41.37 2.88 -0.55	42.67 3.53 -0.30	44.16 3.68 -0.40	48.99 4.09 0.00	60.74 5.57 -0.54	62.55 5.84 0.00	55.99 5.00 0.00	51.26 4.40 0.00	42.62 3.41 0.00	35.21 2.21 0.00	31.10 2.06 0.00
DANSKAMMER__3 23590	27.70 1.93 0.00	24.38 1.62 0.00	23.27 1.56 0.00	22.82 1.37 0.00	23.13 1.55 0.00	24.44 1.62 0.00	28.19 1.77 0.00	30.11 1.89 0.00	30.58 2.03 -0.01	31.44 2.06 -0.39	32.97 2.26 -0.61	34.64 2.27 -0.83	38.50 2.60 -1.20	41.37 2.88 -0.55	42.67 3.53 -0.30	44.16 3.68 -0.40	48.99 4.09 0.00	60.74 5.57 -0.54	62.55 5.84 0.00	55.99 5.00 0.00	51.26 4.40 0.00	42.62 3.41 0.00	35.21 2.21 0.00	31.10 2.06 0.00



DANSKAMMER___4 23591	27.70 1.93 0.00	24.38 1.62 0.00	23.27 1.56 0.00	22.82 1.37 0.00	23.13 1.55 0.00	24.44 1.62 0.00	28.19 1.77 0.00	30.11 1.89 0.00	30.58 2.03 -0.01	31.44 2.06 -0.39	32.97 2.26 -0.61	34.64 2.27 -0.83	38.50 2.60 -1.20	41.37 2.88 -0.55	42.67 3.53 -0.30	44.16 3.68 -0.40	48.99 4.09 0.00	60.74 5.57 -0.54	62.55 5.84 0.00	55.99 5.00 0.00	51.26 4.40 0.00	42.62 3.41 0.00	35.21 2.21 0.00	31.10 2.06 0.00
DANSKAMMER___DIESEL 23592	27.70 1.93 0.00	24.38 1.62 0.00	23.07 1.37 0.00	22.82 1.37 0.00	22.85 1.27 0.00	24.44 1.62 0.00	28.19 1.77 0.00	30.11 1.89 0.00	30.58 2.03 -0.01	31.44 2.06 -0.39	32.96 2.26 -0.61	34.64 2.27 -0.83	38.54 2.64 -1.20	41.30 2.81 -0.55	42.67 3.53 -0.30	44.12 3.65 -0.40	48.99 4.09 0.00	60.74 5.57 -0.54	62.55 5.84 0.00	55.93 4.95 0.00	51.26 4.40 0.00	42.63 3.41 0.00	35.28 2.28 0.00	31.10 2.06 0.00
DARBY___SOLAR 323810	26.92 1.16 0.00	23.84 1.07 0.00	22.79 1.08 0.00	22.43 0.99 0.00	22.68 1.10 0.00	23.94 1.12 0.00	27.64 1.22 0.00	29.35 1.13 0.00	29.60 1.06 0.01	29.69 0.99 0.28	30.59 0.93 0.44	31.83 0.88 0.60	34.92 1.08 0.86	38.76 1.21 0.39	40.10 1.48 0.21	41.55 1.76 0.29	47.06 2.16 0.00	57.13 2.89 0.39	59.77 3.06 0.00	53.94 2.96 0.00	49.62 2.76 0.00	41.33 2.12 0.00	34.52 1.52 0.00	30.38 1.34 0.00
DASHVILLE___HYD 23610	27.46 1.70 0.00	24.13 1.37 0.00	22.83 1.13 0.00	22.58 1.14 0.00	22.64 1.06 0.00	24.19 1.37 0.00	27.90 1.48 0.00	29.89 1.67 0.00	30.35 1.80 0.00	31.25 2.03 -0.23	32.69 2.23 -0.36	34.28 2.24 -0.49	37.95 2.53 -0.71	40.96 2.69 -0.33	42.39 3.38 -0.18	43.76 3.45 -0.24	48.45 3.55 0.00	60.25 5.30 -0.32	61.99 5.27 0.00	55.37 4.38 0.00	50.70 3.84 0.00	42.19 2.98 0.00	34.91 1.91 0.00	30.81 1.77 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	28.55 2.78 0.00	25.16 2.39 0.00	23.66 1.95 0.00	23.36 1.91 0.00	23.39 1.81 0.00	25.08 2.26 0.00	28.53 2.11 0.00	30.65 2.43 -0.01	31.01 2.45 -0.46	31.85 2.41 -0.72	33.64 2.83 -0.97	35.26 2.74 -1.39	38.80 2.71 -0.64	41.20 2.62 -0.35	42.64 3.46 -0.47	44.23 3.69 0.00	49.03 4.13 0.00	61.43 6.17 -0.63	63.80 7.09 0.00	57.26 6.27 0.00	52.20 5.34 0.00	43.57 4.35 0.00	35.80 2.80 0.00	32.00 2.96 0.00
DELAWARE___LFGE 323621	26.97 1.21 0.00	23.79 1.02 0.00	22.53 0.82 0.00	22.26 0.81 0.00	22.33 0.76 0.00	23.85 1.03 0.00	27.48 1.19 0.13	29.34 1.33 0.21	29.82 1.40 0.13	30.31 1.39 0.08	31.51 1.47 0.06	33.09 1.58 0.03	36.37 1.70 0.03	39.65 1.94 0.23	40.87 2.33 0.30	42.13 2.36 0.31	47.30 2.74 0.34	57.49 3.44 0.58	59.40 3.52 0.83	53.44 3.16 0.70	49.03 2.76 0.59	41.01 2.24 0.44	34.32 1.62 0.29	30.31 1.42 0.16
DERFIELD_115KV_TB7 355931	26.02 0.26 0.00	23.00 0.23 0.00	21.88 0.17 0.00	21.62 0.17 0.00	21.73 0.15 0.00	23.05 0.23 0.00	26.66 0.24 0.00	28.47 0.25 0.00	28.80 0.26 0.00	29.25 0.26 0.00	30.37 0.27 0.00	31.83 0.28 0.00	35.01 0.31 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.52 0.44 0.00	45.44 0.54 0.00	55.34 0.71 0.00	57.73 0.79 -0.23	51.89 0.71 -0.19	47.67 0.66 -0.16	39.72 0.51 0.00	33.33 0.33 0.00	29.33 0.29 0.00
DOGLEVILLE___HYD 23807	25.79 0.03 0.00	22.79 0.02 0.00	21.75 0.04 0.00	21.45 0.00 0.00	21.62 0.04 0.00	22.89 0.07 0.00	26.50 0.08 0.00	28.31 0.08 0.00	28.63 0.09 0.00	29.11 0.12 0.00	30.25 0.15 0.00	31.70 0.16 0.00	34.81 0.10 0.00	38.06 0.11 0.00	39.03 0.20 0.00	40.16 0.08 0.00	45.04 0.14 0.00	54.85 0.22 0.00	57.23 0.28 -0.23	51.44 0.26 -0.19	47.21 0.19 -0.16	39.37 0.16 0.00	33.10 0.10 0.00	29.16 0.12 0.00
DUNKIRK___115KV_TB_200 55889	26.02 0.26 0.00	22.63 -0.14 0.00	21.12 -0.59 0.00	20.85 -0.60 0.00	20.80 -0.78 0.00	22.50 -0.32 0.00	25.25 -0.45 0.72	26.98 -0.11 1.13	28.15 0.31 0.71	28.33 0.20 0.87	29.30 0.21 1.01	30.57 0.13 1.10	32.96 -0.17 1.56	36.30 0.23 1.87	37.28 0.43 1.99	38.24 0.32 2.15	44.13 1.12 1.89	51.32 0.49 3.80	51.86 -0.28 4.57	47.12 0.00 3.87	43.24 -0.37 3.24	36.42 -0.39 2.40	31.12 -0.26 1.62	27.95 -0.23 0.86
DUNKIRK___1 23563	26.02 0.26 0.00	22.63 -0.14 0.00	21.12 -0.59 0.00	20.85 -0.60 0.00	20.80 -0.78 0.00	22.50 -0.32 0.00	25.25 -0.45 0.72	26.98 -0.11 1.13	28.15 0.31 0.71	28.33 0.20 0.87	29.30 0.21 1.01	30.57 0.13 1.10	32.96 -0.17 1.56	36.30 0.23 1.87	37.28 0.43 1.99	38.24 0.32 2.15	44.13 1.12 1.89	51.32 0.49 3.80	51.86 -0.28 4.57	47.12 0.00 3.87	43.24 -0.37 3.24	36.42 -0.39 2.40	31.12 -0.26 1.62	27.95 -0.23 0.86
DUNKIRK___2 23564	26.02 0.26 0.00	22.63 -0.14 0.00	21.12 -0.59 0.00	20.85 -0.60 0.00	20.80 -0.78 0.00	22.50 -0.32 0.00	25.25 -0.45 0.72	26.98 -0.11 1.13	28.15 0.31 0.71	28.33 0.20 0.87	29.30 0.21 1.01	30.57 0.13 1.10	32.96 -0.17 1.56	36.30 0.23 1.87	37.28 0.43 1.99	38.24 0.32 2.15	44.13 1.12 1.89	51.32 0.49 3.80	51.86 -0.28 4.57	47.12 0.00 3.87	43.24 -0.37 3.24	36.42 -0.39 2.40	31.12 -0.26 1.62	27.95 -0.23 0.86
DUNKIRK___3 23565	25.87 0.10 0.00	22.52 -0.25 0.00	21.05 -0.65 0.00	20.78 -0.66 0.00	20.74 -0.84 0.00	22.41 -0.41 0.00	25.15 -0.55 0.72	26.80 -0.28 1.13	27.95 0.11 0.71	28.12 0.00 0.87	29.08 0.00 1.01	30.34 -0.09 1.11	32.72 -0.42 1.57	35.99 -0.08 1.88	36.92 0.08 1.99	37.92 0.00 2.16	43.72 0.72 1.89	50.87 0.05 3.81	51.39 -0.74 4.58	46.65 -0.46 3.88	42.90 -0.70 3.25	36.14 -0.67 2.41	30.92 -0.46 1.62	27.80 -0.38 0.86
DUNKIRK___4 23566	25.87 0.10 0.00	22.52 -0.25 0.00	21.05 -0.65 0.00	20.78 -0.66 0.00	20.74 -0.84 0.00	22.41 -0.41 0.00	25.15 -0.55 0.72	26.80 -0.28 1.13	27.95 0.11 0.71	28.12 0.00 0.87	29.08 0.00 1.01	30.34 -0.09 1.11	32.72 -0.42 1.57	35.99 -0.08 1.88	36.92 0.08 1.99	37.92 0.00 2.16	43.72 0.72 1.89	50.87 0.05 3.81	51.39 -0.74 4.58	46.65 -0.46 3.88	42.90 -0.70 3.25	36.14 -0.67 2.41	30.92 -0.46 1.62	27.80 -0.38 0.86
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	27.80 2.04 0.00	24.45 1.68 0.00	23.11 1.41 0.00	22.88 1.44 0.00	22.92 1.34 0.00	24.54 1.71 0.00	28.38 1.96 0.00	30.48 2.26 0.00	30.98 2.43 -0.01	31.97 2.52 -0.46	33.49 2.68 -0.72	35.22 2.71 -0.97	39.13 3.02 -1.41	41.70 3.11 -0.64	43.03 3.84 -0.35	44.43 3.89 -0.47	49.12 4.22 0.00	61.11 5.85 -0.63	62.84 6.12 0.00	56.19 5.20 0.00	51.45 4.59 0.00	42.90 3.69 0.00	35.61 2.61 0.00	31.42 2.38 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	27.52 1.75 0.00	24.22 1.46 0.00	22.90 1.19 0.00	22.67 1.22 0.00	22.70 1.12 0.00	24.31 1.48 0.00	28.01 1.59 0.00	29.97 1.75 0.00	30.44 1.88 -0.01	31.32 1.94 -0.39	32.81 2.11 -0.61	34.45 2.08 -0.82	38.25 2.36 -1.19	40.99 2.50 -0.54	42.31 3.18 -0.29	43.76 3.29 -0.39	48.54 3.64 0.00	60.19 5.03 -0.54	61.99 5.27 0.00	55.42 4.44 0.00	50.79 3.94 0.00	42.27 3.06 0.00	35.05 2.05 0.00	30.93 1.89 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	27.99 2.22 -0.01	24.64 1.87 -0.01	23.32 1.61 -0.01	23.08 1.63 -0.01	23.12 1.53 -0.01	24.72 1.89 0.00	28.56 2.14 0.00	30.59 2.37 0.00	31.12 2.57 -0.01	32.11 2.67 -0.45	33.66 2.86 -0.71	35.40 2.90 -0.96	39.25 3.12 -1.42	41.85 3.26 -0.64	43.14 3.96 -0.35	44.47 3.93 -0.47	48.85 3.95 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.12 4.26 0.00	42.90 3.69 0.00	35.81 2.80 -0.01	31.63 2.58 -0.01
E179THST_13_KV_LOAD 356214	28.09 2.32 -0.01	24.73 1.96 -0.01	23.38 1.67 -0.01	23.15 1.69 -0.01	23.18 1.60 -0.01	24.81 1.99 0.00	28.67 2.25 0.00	30.70 2.48 0.00	31.27 2.71 -0.01	32.25 2.81 -0.45	33.81 3.01 -0.71	35.56 3.06 -0.96	39.42 3.30 -1.42	42.04 3.45 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	49.12 4.22 0.00	61.16 5.90 -0.63	62.84 6.12 0.00	56.19 5.20 0.00	51.40 4.55 0.00	43.14 3.92 0.00	35.98 2.97 -0.01	31.78 2.73 -0.01
EAST HAMPTON___GT 23717	28.47 2.70 0.00	25.09 2.32 0.00	23.81 2.10 0.00	23.27 1.82 0.00	23.61 2.03 0.00	24.95 2.12 0.00	28.40 1.98 0.00	30.48 2.26 0.00	30.84 2.28 -0.01	31.68 2.23 -0.46	33.49 2.68 -0.72	35.06 2.55 -0.97	38.52 2.43 -1.39	40.94 2.35 -0.64	42.25 3.07 -0.35	43.91 3.37 -0.47	48.71 3.81 0.00	61.11 5.85 -0.63	63.40 6.69 0.00	57.10 6.12 0.00	51.87 5.02 0.00	43.29 4.08 0.00	35.21 2.21 0.00	31.74 2.70 0.00
EAST RIVER___6 23660	28.00 2.24 0.00	24.57 1.80 0.00	23.44 1.74 0.00	23.01 1.56 0.00	23.33 1.75 0.00	24.67 1.85 0.00	28.59 2.17 0.00	30.73 2.51 0.00	31.32 2.77 -0.01	32.35 2.90 -0.46	33.88 3.07 -0.72	35.63 3.12 -0.97	40.78 3.37 -2.71	42.19 3.61 -0.64	43.61 4.43 -0.35	45.03 4.49 -0.47	49.61 4.71 0.00	61.87 6.61 -0.63	63.51 6.80 0.00	56.80 5.81 0.00	51.96 5.11 0.00	43.25 4.04 0.00	35.87 2.87 0.00	31.68 2.64 0.00
EAST RIVER___7 23524	28.00 2.24 0.00	24.57 1.80 0.00	23.44 1.74 0.00	23.01 1.56 0.00	23.33 1.75 0.00	24.67 1.85 0.00	28.59 2.17 0.00	30.73 2.51 0.00	31.32 2.77 -0.01	32.35 2.90 -0.46	33.88 3.07 -0.72	35.63 3.12 -0.97	40.78 3.37 -2.71	42.19 3.61 -0.64	43.61 4.43 -0.35	45.03 4.49 -0.47	49.61 4.71 0.00	61.87 6.61 -0.63	63.51 6.80 0.00	56.80 5.81 0.00	51.96 5.11 0.00	43.25 4.04 0.00	35.87 2.87 0.00	31.68 2.64 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	27.70 1.93 0.00	24.38 1.62 0.00	23.05 1.35 0.00	22.84 1.39 0.00	22.87 1.29 0.00	24.47 1.64 0.00	28.27 1.85 0.00	30.31 2.09 0.00	30.81 2.26 -0.01	31.80 2.35 -0.46	33.31 2.50 -0.71	35.03 2.52 -0.97	38.88 2.78 -1.40	41.47 2.88 -0.64	42.79 3.61 -0.35	44.19 3.65 -0.47	48.85 3.95 0.00	60.78 5.52 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.67 3.45 0.00	35.44 2.44 0.00	31.28 2.24 0.00
EAST_HAMPTON___DIESEL 23722	28.42 2.65 0.00	25.04 2.28 0.00	23.79 2.08 0.00	23.25 1.80 0.00	23.56 1.98 0.00	24.92 2.10 0.00	28.38 1.96 0.00	30.42 2.20 0.00	30.78 2.23 -0.01	31.62 2.18 -0.46	33.43 2.62 -0.72	35.00 2.49 -0.97	38.46 2.36 -1.39	40.86 2.28 -0.64	42.17 2.99 -0.35	43.83 3.29 -0.47	48.58 3.68 0.00	60.94 5.68 -0.63	63.29 6.58 0.00	56.95 5.96 0.00	51.77 4.92 0.00	43.17 3.96 0.00	35.14 2.14 0.00	31.68 2.64 0.00
EAST_POINT___SOLAR 323840	28.52 2.76 0.00	25.27 2.50 0.00	24.05 2.34 0.00	23.59 2.14 0.00	23.91 2.33 0.00	25.36 2.53 0.00	29.59 3.17 0.00	31.55 3.33 0.00	31.80 3.25 0.00	31.93 3.04 0.10	32.91 2.98 0.16	34.61 3.28 0.22	38.03 3.64 0.32	42.01 4.21 0.14	43.46 4.70 0.08	44.82 4.85 0.11	50.78 5.88 0.00	62.24 7.75 0.14	64.93 8.22 0.00	58.83 7.85 0.00	53.75 6.89 0.00	44.63 5.41 0.00	37.29 4.29 0.00	32.61 3.57 0.00
EAST_PULASKI___ESR 323781	25.61 -0.15 0.00	22.56 -0.21 0.00	21.49 -0.22 0.00	21.13 -0.32 0.00	21.34 -0.24 0.00	22.60 -0.23 0.00	26.80 -0.11 -0.49	28.94 -0.06 -0.77	28.97 -0.06 -0.48	29.52 -0.06 -0.59	30.69 -0.09 -0.69	32.26 -0.03 -0.75	35.70 -0.07 -1.06	39.07 -0.15 -1.28	40.04 -0.15 -1.35	41.46 -0.08 -1.47	46.19 0.00 -1.29	57.11 -0.11 -2.59	59.53 0.00 -2.82	53.58 0.20 -2.39	49.00 0.14 -2.00	40.89 0.04 -1.64	34.20 0.10 -1.10	29.60 -0.03 -0.59
EAST_RIVER___1 323558	27.95 2.19 0.00	24.54 1.78 0.00	23.42 1.71 0.00	22.99 1.55 0.00	23.31 1.73 0.00	24.65 1.83 0.00	28.51 2.09 0.00	30.65 2.43 0.00	31.18 2.62 -0.01	32.20 2.76 -0.46	33.73 2.92 -0.72	35.47 2.96 -0.97	40.64 3.23 -2.71	42.04 3.45 -0.64	43.34 4.16 -0.35	44.75 4.21 -0.47	49.35 4.45 0.00	61.43 6.17 -0.63	63.12 6.41 0.00	56.49 5.51 0.00	51.68 4.83 0.00	43.10 3.88 0.00	35.77 2.77 0.00	31.60 2.56 0.00
EAST_RIVER___2 323559	28.00 2.24 0.00	24.57 1.80 0.00	23.44 1.74 0.00	23.01 1.56 0.00	23.33 1.75 0.00	24.67 1.85 0.00	28.59 2.17 0.00	30.73 2.51 0.00	31.32 2.77 -0.01	32.35 2.90 -0.46	33.88 3.07 -0.72	35.63 3.12 -0.97	40.78 3.37 -2.71	42.19 3.61 -0.64	43.61 4.43 -0.35	45.03 4.49 -0.47	49.61 4.71 0.00	61.87 6.61 -0.63	63.51 6.80 0.00	56.80 5.81 0.00	51.96 5.11 0.00	43.25 4.04 0.00	35.87 2.87 0.00	31.68 2.64 0.00
EAST___DELAWARE_HYD 23607	27.88 2.11 0.00	24.43 1.66 0.00	23.29 1.58 0.00	22.80 1.35 0.00	23.13 1.55 0.00	24.44 1.62 0.00	28.22 1.80 0.00	30.17 1.95 0.00	30.66 2.11 -0.01	31.39 2.12 -0.28	32.85 2.32 -0.44	34.44 2.30 -0.59	38.27 2.71 -0.86	41.33 3.00 -0.39	42.74 3.69 -0.21	44.29 3.93 -0.28	49.43 4.53 0.00	61.29 6.28 -0.39	63.29 6.58 0.00	56.54 5.56 0.00	51.68 4.83 0.00	42.90 3.69 0.00	35.24 2.25 0.00	31.10 2.06 0.00
EIGHT_POINT___WT_PWR 323820	26.02 0.26 0.00	22.65 -0.11 0.00	21.62 -0.09 0.00	20.98 -0.47 0.00	21.38 -0.19 0.00	22.76 -0.07 0.00	25.89 0.00 0.53	27.75 0.37 0.84	28.62 0.60 0.53	28.96 0.61 0.64	29.82 0.48 0.75	31.13 0.41 0.82	33.71 0.17 1.16	36.89 0.34 1.39	37.83 0.47 1.48	38.96 0.48 1.60	44.80 1.30 1.40	52.96 1.15 2.82	54.11 0.79 3.39	49.03 0.92 2.87	44.97 0.52 2.41	37.59 0.16 1.78	32.09 0.30 1.20	28.52 0.12 0.64
ELBRIDGE_115KV_TB2 80188	25.71 -0.05 0.00	22.65 -0.11 0.00	21.44 -0.26 0.00	21.19 -0.26 0.00	21.28 -0.30 0.00	22.66 -0.16 0.00	26.37 -0.05 0.00	28.25 0.03 0.00	28.60 0.06 0.00	29.05 0.06 0.00	30.13 0.03 0.00	31.61 0.06 0.00	34.74 0.03 0.00	38.10 0.15 0.00	39.07 0.23 0.00	40.44 0.36 0.00	45.57 0.67 0.00	55.23 0.60 0.00	57.22 0.51 0.00	51.50 0.51 0.00	47.23 0.37 0.00	39.41 0.20 0.00	33.07 0.07 0.00	29.07 0.03 0.00
ELEC_TRO_TEK 24086	28.16 2.40 0.00	24.79 2.03 0.00	23.35 1.65 0.00	23.10 1.65 0.00	23.15 1.58 0.00	24.81 1.99 0.00	28.48 2.06 0.00	30.59 2.37 0.00	31.04 2.48 -0.01	31.94 2.49 -0.46	33.64 2.83 -0.72	35.22 2.71 -0.97	38.98 2.88 -1.39	41.43 2.85 -0.64	42.87 3.69 -0.35	44.31 3.77 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.06 6.35 0.00	56.54 5.56 0.00	51.64 4.78 0.00	43.25 4.04 0.00	35.71 2.71 0.00	31.83 2.79 0.00



ELLENBURG_WT_PWR 323604	24.96 -0.80 0.00	21.97 -0.80 0.00	20.99 -0.72 0.00	20.87 -0.58 0.00	20.87 -0.71 0.00	22.16 -0.66 0.00	26.00 -0.42 0.00	27.99 -0.23 0.00	28.57 0.03 0.00	29.11 0.12 0.00	30.04 -0.06 0.00	31.54 0.00 0.00	35.05 0.35 0.00	38.10 0.15 0.00	38.68 -0.15 0.00	38.87 -1.20 0.00	43.15 -1.75 0.00	52.39 -2.24 0.00	49.41 -2.66 4.64	44.31 -2.75 3.93	41.18 -2.39 3.29	36.90 -2.31 0.00	31.55 -1.45 0.00	27.67 -1.36 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	25.53 -0.23 0.00	22.29 -0.48 0.00	20.88 -0.82 0.00	20.61 -0.84 0.00	20.56 -1.01 0.00	22.16 -0.66 0.00	24.96 -0.71 0.75	26.48 -0.56 1.18	27.61 -0.20 0.74	27.77 -0.32 0.90	28.74 -0.30 1.05	29.98 -0.41 1.15	32.27 -0.80 1.63	35.46 -0.53 1.95	36.30 -0.47 2.07	37.19 -0.64 2.24	42.93 0.00 1.97	49.79 -0.87 3.96	50.25 -1.70 4.76	45.68 -1.27 4.04	42.07 -1.41 3.38	35.57 -1.14 2.51	30.49 -0.82 1.69	27.53 -0.61 0.90
EMPIRE_CC_1 323656	26.61 0.85 0.00	23.63 0.86 0.00	22.55 0.85 0.00	22.20 0.75 0.00	22.46 0.89 0.00	23.71 0.89 0.00	27.19 0.77 0.00	28.84 0.62 0.00	29.02 0.48 0.01	28.97 0.46 0.49	29.85 0.51 0.76	30.99 0.47 1.03	33.77 0.55 1.48	37.80 0.53 0.68	39.40 0.93 0.37	40.62 1.04 0.49	46.07 1.17 0.00	55.54 1.59 0.67	58.58 1.87 0.00	52.62 1.63 0.00	48.50 1.64 0.00	40.51 1.29 0.00	33.79 0.79 0.00	29.79 0.75 0.00
EMPIRE_CC_2 323658	26.61 0.85 0.00	23.63 0.86 0.00	22.55 0.85 0.00	22.20 0.75 0.00	22.46 0.89 0.00	23.71 0.89 0.00	27.19 0.77 0.00	28.84 0.62 0.00	29.02 0.48 0.01	28.97 0.46 0.49	29.85 0.51 0.76	30.99 0.47 1.03	33.77 0.55 1.48	37.80 0.53 0.68	39.40 0.93 0.37	40.62 1.04 0.49	46.07 1.17 0.00	55.54 1.59 0.67	58.58 1.87 0.00	52.62 1.63 0.00	48.50 1.64 0.00	40.51 1.29 0.00	33.79 0.79 0.00	29.79 0.75 0.00
ENORWICH_115KV_TB1 80156	27.90 2.14 0.00	24.50 1.73 0.00	23.11 1.41 0.00	22.73 1.29 0.00	22.85 1.27 0.00	24.51 1.69 0.00	28.48 2.25 0.18	30.41 2.48 0.29	30.76 2.40 0.18	31.12 2.29 0.16	32.31 2.38 0.16	34.07 2.68 0.15	37.37 2.88 0.21	41.08 3.53 0.40	42.29 3.92 0.46	43.87 4.29 0.49	49.85 5.43 0.49	60.35 6.61 0.89	62.40 6.86 1.17	56.31 6.32 0.99	51.51 5.48 0.83	42.99 4.39 0.62	35.92 3.33 0.42	31.58 2.76 0.22
ERIE_ST_34_KV_TB1-2 80199	25.89 0.13 0.00	22.56 -0.20 0.00	21.12 -0.59 0.00	20.87 -0.58 0.00	20.82 -0.76 0.00	22.48 -0.34 0.00	24.80 -0.90 0.73	26.40 -0.68 1.15	27.55 -0.29 0.72	27.71 -0.41 0.88	28.68 -0.39 1.02	29.95 -0.47 1.12	32.32 -0.80 1.58	35.55 -0.49 1.90	36.47 -0.35 2.01	37.38 -0.52 2.18	43.08 0.09 1.91	50.07 -0.71 3.85	50.56 -1.53 4.62	45.85 -1.22 3.92	42.17 -1.41 3.28	35.61 -1.18 2.43	30.44 -0.92 1.64	27.39 -0.78 0.87
ERIE_WT_PWR 323693	25.74 -0.03 0.00	22.45 -0.32 0.00	21.44 -0.26 0.00	20.76 -0.69 0.00	21.12 -0.45 0.00	22.34 -0.48 0.00	25.03 -0.66 0.73	26.61 -0.45 1.16	27.74 -0.09 0.72	27.90 -0.20 0.89	28.88 -0.18 1.03	30.13 -0.28 1.13	32.37 -0.73 1.60	35.69 -0.34 1.92	36.57 -0.23 2.03	37.44 -0.44 2.20	43.19 0.23 1.93	50.15 -0.60 3.88	50.68 -1.36 4.67	46.06 -0.97 3.95	42.37 -1.17 3.31	35.78 -0.98 2.46	30.88 -0.46 1.65	27.64 -0.52 0.88
ESPRGFLD_115KV_TB1 80157	28.03 2.27 0.00	24.75 1.98 0.00	23.40 1.69 0.00	23.10 1.65 0.00	23.20 1.62 0.00	24.83 2.01 0.00	28.93 2.51 0.00	30.99 2.77 0.00	31.31 2.77 0.00	31.61 2.67 0.05	32.72 2.71 0.08	34.37 2.93 0.11	37.77 3.23 0.16	41.59 3.72 0.07	42.99 4.19 0.04	44.27 4.25 0.05	50.02 5.12 0.00	61.11 6.56 0.07	63.57 6.86 0.00	57.41 6.42 0.00	52.43 5.58 0.00	43.65 4.43 0.00	36.43 3.43 0.00	31.91 2.87 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	26.54 0.77 0.00	23.34 0.57 0.00	22.05 0.35 0.00	21.77 0.32 0.00	21.86 0.28 0.00	23.37 0.55 0.00	27.06 0.85 0.21	28.88 0.99 0.33	29.34 1.00 0.20	29.70 0.96 0.25	30.71 0.90 0.29	32.20 0.98 0.32	35.33 1.08 0.45	38.73 1.33 0.54	39.74 1.48 0.57	41.18 1.72 0.62	46.73 2.38 0.55	56.32 2.79 1.10	58.28 2.89 1.32	52.57 2.70 1.12	48.26 2.34 0.94	40.29 1.76 0.69	33.82 1.29 0.47	29.81 1.02 0.25
ETNA____115KV_TB2 80207	26.54 0.77 0.00	23.34 0.57 0.00	22.05 0.35 0.00	21.77 0.32 0.00	21.86 0.28 0.00	23.37 0.55 0.00	27.06 0.85 0.21	28.88 0.99 0.33	29.34 1.00 0.20	29.70 0.96 0.25	30.71 0.90 0.29	32.20 0.98 0.32	35.33 1.08 0.45	38.73 1.33 0.54	39.74 1.48 0.57	41.18 1.72 0.62	46.73 2.38 0.55	56.32 2.79 1.10	58.28 2.89 1.32	52.57 2.70 1.12	48.26 2.34 0.94	40.29 1.76 0.69	33.82 1.29 0.47	29.81 1.02 0.25
EUCLID____115KV_TB2 356179	25.56 -0.21 0.00	22.52 -0.25 0.00	21.33 -0.37 0.00	21.08 -0.36 0.00	21.17 -0.41 0.00	22.55 -0.27 0.00	25.72 -0.21 0.49	27.28 -0.17 0.78	27.95 -0.11 0.48	28.28 -0.12 0.59	29.25 -0.15 0.69	30.66 -0.13 0.76	33.46 -0.17 1.07	36.51 -0.15 1.28	37.40 -0.08 1.36	38.64 0.04 1.47	43.87 0.27 1.30	52.19 0.16 2.60	53.64 0.06 3.13	48.39 0.05 2.65	44.64 0.00 2.22	37.45 -0.12 1.65	31.73 -0.16 1.11	28.28 -0.17 0.59
E_CANADA_CAP_HY 24051	28.47 2.70 0.00	25.23 2.46 0.00	24.03 2.32 0.00	23.55 2.10 0.00	23.89 2.31 0.00	25.31 2.49 0.00	29.54 3.12 0.00	31.52 3.30 0.00	31.77 3.22 0.00	31.90 3.01 0.10	32.89 2.95 0.16	34.55 3.22 0.21	38.01 3.61 0.31	41.94 4.14 0.14	43.38 4.62 0.08	44.74 4.77 0.10	50.65 5.75 0.00	62.08 7.59 0.14	64.71 8.00 0.00	58.63 7.65 0.00	53.56 6.70 0.00	44.47 5.26 0.00	37.22 4.22 0.00	32.55 3.51 0.00
E_CANADA_MHWK_HY 24050	25.79 0.03 0.00	22.79 0.02 0.00	21.75 0.04 0.00	21.45 0.00 0.00	21.62 0.04 0.00	22.89 0.07 0.00	26.50 0.08 0.00	28.31 0.08 0.00	28.63 0.09 0.00	29.11 0.12 0.00	30.25 0.15 0.00	31.70 0.16 0.00	34.81 0.10 0.00	38.06 0.11 0.00	39.03 0.20 0.00	40.16 0.08 0.00	45.04 0.14 0.00	54.85 0.22 0.00	57.23 0.28 -0.23	51.44 0.26 -0.19	47.21 0.19 -0.16	39.37 0.16 0.00	33.10 0.10 0.00	29.16 0.12 0.00
E_FISHKILL____LBMP 23776	27.39 1.62 0.00	24.18 1.41 0.00	22.88 1.17 0.00	22.65 1.20 0.00	22.68 1.10 0.00	24.26 1.44 0.00	27.95 1.53 0.00	29.91 1.69 0.00	30.35 1.80 -0.01	31.31 1.86 -0.47	32.81 1.99 -0.73	34.52 1.99 -0.99	38.32 2.19 -1.43	40.87 2.28 -0.65	42.14 2.95 -0.35	43.56 3.01 -0.48	48.18 3.28 0.00	59.81 4.53 -0.65	61.48 4.76 0.00	55.06 4.08 0.00	50.51 3.65 0.00	42.08 2.86 0.00	35.01 2.01 0.00	30.87 1.83 0.00
FALCON____SEABRD_CC1 323796	25.25 -0.52 0.00	22.27 -0.50 0.00	21.25 -0.46 0.00	21.10 -0.34 0.00	21.12 -0.45 0.00	22.46 -0.37 0.00	26.29 -0.13 0.00	28.28 0.06 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.31 0.21 0.00	31.83 0.28 0.00	35.26 0.55 0.00	38.36 0.42 0.00	38.99 0.16 0.00	39.08 -1.00 0.00	43.29 -1.61 0.00	52.50 -2.13 0.00	49.58 -2.49 4.64	44.56 -2.50 3.92	41.42 -2.15 3.29	37.33 -1.88 0.00	32.04 -0.96 0.00	28.05 -0.99 0.00



FALCON___SEABRD_CC2 323797	25.25 -0.52 0.00	22.27 -0.50 0.00	21.25 -0.46 0.00	21.10 -0.34 0.00	21.12 -0.45 0.00	22.46 -0.37 0.00	26.29 -0.13 0.00	28.28 0.06 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.31 0.21 0.00	31.83 0.28 0.00	35.26 0.55 0.00	38.36 0.42 0.00	38.99 0.16 0.00	39.08 -1.00 0.00	43.29 -1.61 0.00	52.50 -2.13 0.00	49.58 -2.49 4.64	44.56 -2.50 3.92	41.42 -2.15 3.29	37.33 -1.88 0.00	32.04 -0.96 0.00	28.05 -0.99 0.00
FAR ROCKAWAY___4 23548	28.52 2.76 0.00	25.11 2.35 0.00	23.64 1.93 0.00	23.40 1.95 0.00	23.43 1.86 0.00	25.11 2.28 0.00	28.82 2.40 0.00	30.96 2.74 0.00	31.41 2.85 -0.01	32.32 2.87 -0.46	34.06 3.25 -0.72	35.73 3.22 -0.97	39.53 3.44 -1.39	42.04 3.45 -0.64	43.57 4.39 -0.35	45.07 4.53 -0.47	49.44 4.53 0.00	61.71 6.45 -0.63	63.80 7.09 0.00	57.21 6.22 0.00	52.24 5.39 0.00	44.00 4.78 0.00	36.27 3.27 0.00	32.29 3.25 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	27.95 2.19 0.00	24.57 1.80 0.00	23.20 1.50 0.00	22.99 1.54 0.00	23.00 1.42 0.00	24.65 1.83 0.00	28.51 2.09 0.00	30.65 2.43 0.00	31.18 2.63 -0.01	32.17 2.73 -0.46	33.73 2.92 -0.72	35.48 2.97 -0.97	40.65 3.23 -2.72	41.92 3.34 -0.64	43.30 4.12 -0.35	44.71 4.17 -0.47	49.30 4.40 0.00	61.43 6.17 -0.63	63.06 6.35 0.00	56.44 5.46 0.00	51.64 4.78 0.00	43.41 4.20 0.00	35.84 2.84 0.00	31.59 2.56 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	27.95 2.19 0.00	24.57 1.80 0.00	23.20 1.50 0.00	22.99 1.54 0.00	23.00 1.42 0.00	24.65 1.83 0.00	28.51 2.09 0.00	30.65 2.43 0.00	31.18 2.63 -0.01	32.17 2.73 -0.46	33.73 2.92 -0.72	35.48 2.97 -0.97	40.65 3.23 -2.72	41.92 3.34 -0.64	43.30 4.12 -0.35	44.67 4.13 -0.47	49.30 4.40 0.00	61.43 6.17 -0.63	63.06 6.35 0.00	56.44 5.46 0.00	51.64 4.78 0.00	43.10 3.88 0.00	35.84 2.84 0.00	31.59 2.56 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	27.93 2.16 0.00	24.54 1.78 0.00	23.20 1.50 0.00	22.97 1.52 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.51 2.09 0.00	30.62 2.40 0.00	31.18 2.63 -0.01	32.17 2.73 -0.46	33.70 2.89 -0.72	35.44 2.93 -0.97	40.65 3.23 -2.72	41.92 3.34 -0.64	43.26 4.08 -0.35	44.67 4.13 -0.47	49.26 4.36 0.00	61.38 6.12 -0.63	63.06 6.35 0.00	56.39 5.40 0.00	51.59 4.73 0.00	43.06 3.84 0.00	35.80 2.80 0.00	31.59 2.56 0.00
FARRAGUT___LBMP 323566	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.97 1.52 0.00	22.98 1.40 0.00	24.63 1.80 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.67 2.86 -0.72	35.41 2.90 -0.97	40.62 3.19 -2.72	41.88 3.30 -0.64	43.22 4.04 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.32 6.06 -0.63	63.01 6.30 0.00	56.34 5.35 0.00	51.59 4.73 0.00	43.02 3.80 0.00	35.77 2.77 0.00	31.57 2.53 0.00
FENNER___WINDPWR 24204	26.46 0.70 0.00	23.31 0.55 0.00	22.20 0.50 0.00	21.81 0.36 0.00	22.03 0.45 0.00	23.35 0.53 0.00	26.95 0.74 0.21	28.74 0.85 0.33	29.17 0.83 0.20	29.58 0.84 0.25	30.68 0.87 0.29	32.20 0.98 0.32	35.29 1.04 0.45	38.73 1.33 0.54	39.66 1.40 0.57	41.06 1.60 0.62	46.33 1.97 0.55	55.88 2.35 1.10	57.83 2.44 1.32	52.17 2.30 1.12	47.89 1.97 0.93	40.09 1.57 0.69	33.69 1.15 0.47	29.69 0.90 0.25
FIBERTEK___ENERGY 23856	25.84 0.08 0.00	22.74 -0.02 0.00	21.55 -0.15 0.00	21.28 -0.17 0.00	21.36 -0.22 0.00	22.76 -0.07 0.00	26.50 0.08 0.00	28.39 0.17 0.00	28.75 0.20 0.00	29.19 0.20 0.00	30.28 0.18 0.00	31.76 0.22 0.00	34.94 0.24 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.68 0.60 0.00	45.80 0.90 0.00	55.56 0.93 0.00	57.56 0.85 0.00	51.75 0.76 0.00	47.51 0.66 0.00	39.65 0.43 0.00	33.23 0.23 0.00	29.21 0.17 0.00
FITZPATRICK____ 23598	25.12 -0.64 0.00	22.15 -0.61 0.00	21.12 -0.58 0.00	20.76 -0.69 0.00	20.97 -0.60 0.00	22.19 -0.64 0.00	19.63 -0.66 6.13	17.90 -0.65 9.67	21.85 -0.66 6.04	20.94 -0.64 7.41	20.77 -0.69 8.64	21.42 -0.69 9.43	20.53 -0.80 13.37	21.09 -0.83 16.02	21.02 -0.82 17.00	20.92 -0.76 18.39	28.03 -0.72 16.15	21.18 -0.98 32.47	16.53 -1.13 39.04	16.95 -0.97 33.07	18.23 -0.94 27.69	17.85 -0.83 20.54	18.44 -0.73 13.83	21.03 -0.67 7.35
FLOWRFLD_69_KV_BK1 356044	28.57 2.81 0.00	25.18 2.41 0.00	23.68 1.98 0.00	23.40 1.95 0.00	23.46 1.88 0.00	25.15 2.33 0.00	28.69 2.27 0.00	30.82 2.60 0.00	31.21 2.65 -0.01	32.06 2.61 -0.46	33.79 2.98 -0.72	35.35 2.84 -0.97	38.98 2.88 -1.39	41.32 2.73 -0.64	42.72 3.53 -0.35	44.27 3.73 -0.47	48.90 4.00 0.00	61.22 5.95 -0.63	63.46 6.75 0.00	56.95 5.97 0.00	51.92 5.06 0.00	43.53 4.31 0.00	35.97 2.97 0.00	32.18 3.14 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	27.77 2.01 0.00	24.45 1.68 0.00	23.11 1.41 0.00	22.86 1.42 0.00	22.89 1.32 0.00	24.49 1.67 0.00	28.24 1.82 0.00	30.17 1.95 0.00	30.64 2.08 -0.01	31.51 2.12 -0.40	33.07 2.35 -0.62	34.75 2.37 -0.84	38.63 2.71 -1.22	41.42 2.92 -0.56	42.79 3.65 -0.30	44.25 3.77 -0.41	49.12 4.22 0.00	60.92 5.74 -0.55	62.72 6.01 0.00	56.03 5.05 0.00	51.35 4.50 0.00	42.70 3.49 0.00	35.34 2.34 0.00	31.13 2.09 0.00
FORT ORANGE____ 23900	26.69 0.93 0.00	23.79 1.03 0.00	22.68 0.98 0.00	22.33 0.88 0.00	22.57 0.99 0.00	23.83 1.00 0.00	27.42 1.00 0.00	28.98 0.76 0.00	29.17 0.63 0.00	29.36 0.58 0.21	30.37 0.60 0.33	31.66 0.57 0.45	34.79 0.73 0.65	38.45 0.80 0.30	39.84 1.16 0.16	41.22 1.36 0.22	46.47 1.57 0.00	56.58 2.24 0.29	59.15 2.44 0.00	53.23 2.24 0.00	48.97 2.11 0.00	40.90 1.69 0.00	34.02 1.02 0.00	29.97 0.93 0.00
FORT_DRUM_COGEN 23780	25.94 0.18 0.00	22.84 0.07 0.00	21.68 -0.02 0.00	21.34 -0.11 0.00	21.49 -0.09 0.00	22.87 0.05 0.00	26.84 0.29 -0.13	28.82 0.40 -0.21	28.96 0.29 -0.13	29.52 0.38 -0.16	30.70 0.42 -0.18	32.25 0.50 -0.20	35.51 0.52 -0.29	38.97 0.68 -0.34	39.70 0.50 -0.36	40.91 0.44 -0.39	45.51 0.27 -0.34	55.65 0.33 -0.69	57.46 0.85 0.10	52.43 1.53 0.08	48.15 1.36 0.07	40.83 1.18 -0.44	34.15 0.86 -0.30	29.63 0.44 -0.16
FOX_HILLS___ESR 323835	28.14 2.37 -0.01	24.73 1.96 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.16 1.58 -0.01	24.76 1.94 0.00	28.61 2.19 0.00	30.70 2.48 0.00	31.21 2.65 -0.01	32.15 2.70 -0.47	33.71 2.89 -0.72	35.36 2.84 -0.98	40.59 3.12 -2.76	41.81 3.23 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	48.72 3.82 0.00	60.83 5.57 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	43.14 3.92 0.00	36.04 3.04 -0.01	31.81 2.76 -0.01
FPL FAR_ROCK_GT1 24212	28.52 2.76 0.00	25.09 2.32 0.00	23.87 2.17 0.00	23.40 1.95 0.00	23.74 2.16 0.00	25.11 2.28 0.00	28.82 2.40 0.00	30.93 2.71 0.00	31.41 2.85 -0.01	32.32 2.87 -0.46	34.06 3.25 -0.72	35.70 3.18 -0.97	39.50 3.40 -1.39	42.11 3.53 -0.64	43.49 4.31 -0.35	45.11 4.57 -0.47	49.48 4.58 0.00	61.70 6.44 -0.63	63.80 7.09 0.00	57.31 6.32 0.00	52.24 5.39 0.00	44.00 4.78 0.00	36.03 3.03 0.00	32.29 3.25 0.00



FPL FAR_ROCK_GT2 23815	28.52 2.76 0.00	25.09 2.32 0.00	23.87 2.17 0.00	23.40 1.95 0.00	23.74 2.16 0.00	25.11 2.28 0.00	28.82 2.40 0.00	30.93 2.71 0.00	31.41 2.85 -0.01	32.32 2.87 -0.46	34.06 3.25 -0.72	35.70 3.18 -0.97	39.50 3.40 -1.39	42.11 3.53 -0.64	43.49 4.31 -0.35	45.11 4.57 -0.47	49.48 4.58 0.00	61.70 6.44 -0.63	63.80 7.09 0.00	57.31 6.32 0.00	52.24 5.39 0.00	44.00 4.78 0.00	36.03 3.03 0.00	32.29 3.25 0.00
FRANKLIN_FALL_HYD 24054	25.25 -0.52 0.00	22.33 -0.43 0.00	21.49 -0.22 0.00	21.15 -0.30 0.00	21.45 -0.13 0.00	22.53 -0.30 0.00	26.26 -0.16 0.00	28.16 -0.06 0.00	28.52 -0.03 0.00	28.99 0.00 0.00	30.01 -0.09 0.00	31.54 0.00 0.00	34.88 0.17 0.00	38.02 0.08 0.00	38.60 -0.23 0.00	39.47 -0.60 0.00	43.73 -1.17 0.00	52.94 -1.69 0.00	50.43 -1.93 4.36	45.51 -1.78 3.69	42.22 -1.55 3.09	38.04 -1.18 0.00	32.27 -0.73 0.00	28.28 -0.76 0.00
FREEPORT_EQUS_GT1 23764	28.34 2.58 0.00	24.91 2.14 0.00	23.70 2.00 0.00	23.23 1.78 0.00	23.59 2.01 0.00	24.95 2.12 0.00	28.61 2.19 0.00	30.73 2.51 0.00	31.18 2.62 -0.01	32.06 2.61 -0.46	33.79 2.98 -0.72	35.35 2.84 -0.97	38.97 2.88 -1.39	41.51 2.92 -0.64	42.83 3.65 -0.35	44.43 3.89 -0.47	48.94 4.04 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.57 4.35 0.00	35.71 2.71 0.00	32.06 3.02 0.00
FREEPORT___CT2 23818	28.34 2.58 0.00	24.91 2.14 0.00	23.70 2.00 0.00	23.23 1.78 0.00	23.59 2.01 0.00	24.95 2.12 0.00	28.61 2.19 0.00	30.73 2.51 0.00	31.18 2.62 -0.01	32.06 2.61 -0.46	33.79 2.98 -0.72	35.35 2.84 -0.97	38.97 2.88 -1.39	41.51 2.92 -0.64	42.83 3.65 -0.35	44.43 3.89 -0.47	48.94 4.04 0.00	61.11 5.85 -0.63	63.18 6.46 0.00	56.75 5.76 0.00	51.73 4.87 0.00	43.57 4.35 0.00	35.71 2.71 0.00	32.06 3.02 0.00
FRESHKLS_33_KV_LOAD 356253	28.19 2.42 -0.01	24.78 2.00 -0.01	23.38 1.67 -0.01	23.17 1.72 -0.01	23.18 1.60 -0.01	24.81 1.99 0.00	28.67 2.25 0.00	30.70 2.48 0.00	31.18 2.63 -0.01	32.09 2.64 -0.47	33.65 2.83 -0.72	35.26 2.74 -0.98	40.45 3.02 -2.73	41.73 3.15 -0.63	43.06 3.88 -0.34	44.46 3.93 -0.46	48.62 3.73 0.01	60.72 5.46 -0.62	62.38 5.67 0.01	55.82 4.84 0.01	51.11 4.26 0.01	43.14 3.92 0.00	36.11 3.10 -0.01	31.86 2.82 -0.01
FULTON COGEN____ 23766	25.53 -0.23 0.00	22.49 -0.27 0.00	21.31 -0.39 0.00	21.06 -0.39 0.00	21.15 -0.43 0.00	22.50 -0.32 0.00	26.76 -0.24 -0.58	28.96 -0.17 -0.91	28.94 -0.17 -0.57	29.54 -0.14 -0.70	30.73 -0.18 -0.81	32.27 -0.16 -0.89	35.68 -0.28 -1.26	39.26 -0.19 -1.51	40.28 -0.16 -1.60	41.77 -0.04 -1.73	46.65 0.22 -1.52	57.80 0.11 -3.06	60.45 0.06 -3.68	54.21 0.10 -3.12	49.51 0.05 -2.61	41.07 -0.08 -1.94	34.17 -0.13 -1.30	29.56 -0.17 -0.69
FULTON___LFGE 323630	29.65 3.89 0.00	26.25 3.48 0.00	24.96 3.25 0.00	24.45 3.00 0.00	24.81 3.24 0.00	26.29 3.47 0.00	30.75 4.33 0.00	32.68 4.46 0.00	32.85 4.31 0.00	32.75 3.89 0.12	33.58 3.67 0.19	35.39 4.10 0.26	39.05 4.72 0.37	43.32 5.54 0.17	44.88 6.13 0.09	46.89 6.93 0.12	53.43 8.53 0.00	65.94 11.48 0.17	68.63 11.91 0.00	62.46 11.47 0.00	56.93 10.08 0.00	47.10 7.88 0.00	39.04 6.04 0.00	34.06 5.02 0.00
G.F.CEMENT___DRP 24184	26.92 1.16 0.00	23.81 1.05 0.00	22.72 1.02 0.00	22.46 1.01 0.00	22.55 0.97 0.00	23.99 1.16 0.00	27.74 1.32 0.00	29.49 1.27 0.00	29.77 1.23 0.01	29.84 1.10 0.25	30.69 0.99 0.40	31.83 0.82 0.54	35.04 1.11 0.78	38.84 1.25 0.36	40.08 1.44 0.19	41.50 1.68 0.26	47.15 2.25 0.00	57.39 3.11 0.35	59.94 3.23 0.00	54.15 3.16 0.00	49.76 2.91 0.00	41.41 2.20 0.00	34.62 1.62 0.00	30.43 1.39 0.00
GARDENVILLE___LBMP 24039	25.63 -0.13 0.00	22.36 -0.41 0.00	20.92 -0.78 0.00	20.67 -0.77 0.00	20.63 -0.95 0.00	22.25 -0.57 0.00	24.97 -0.71 0.74	26.52 -0.54 1.16	27.65 -0.17 0.72	27.84 -0.26 0.89	28.79 -0.27 1.04	30.03 -0.38 1.13	32.37 -0.73 1.60	35.53 -0.49 1.92	36.41 -0.39 2.04	37.31 -0.56 2.21	43.05 0.09 1.94	50.02 -0.71 3.89	50.50 -1.53 4.68	45.90 -1.12 3.97	42.27 -1.27 3.32	35.69 -1.06 2.46	30.55 -0.79 1.66	27.58 -0.58 0.88
GARDNVLA_35_KV_LD 355827	25.74 -0.03 0.00	22.45 -0.32 0.00	21.03 -0.67 0.00	20.76 -0.69 0.00	20.71 -0.86 0.00	22.37 -0.46 0.00	25.08 -0.61 0.73	26.64 -0.42 1.16	27.80 -0.03 0.72	27.96 -0.14 0.89	28.94 -0.12 1.03	30.20 -0.22 1.13	32.55 -0.56 1.60	35.77 -0.27 1.91	36.61 -0.19 2.03	37.52 -0.36 2.20	43.29 0.31 1.93	50.26 -0.49 3.88	50.74 -1.30 4.66	46.12 -0.92 3.95	42.47 -1.08 3.31	35.86 -0.90 2.45	30.69 -0.66 1.65	27.67 -0.49 0.88
GELCKHM___115KV_LOAD 80723	25.66 -0.10 0.00	22.61 -0.16 0.00	21.42 -0.28 0.00	21.15 -0.30 0.00	21.23 -0.35 0.00	22.62 -0.21 0.00	26.00 -0.11 0.31	27.67 -0.06 0.49	28.21 -0.03 0.31	28.61 0.00 0.38	29.63 -0.03 0.44	31.06 0.00 0.48	33.99 -0.03 0.68	37.17 0.04 0.81	38.09 0.12 0.86	39.38 0.24 0.93	44.57 0.49 0.82	53.42 0.44 1.65	55.07 0.34 1.98	49.61 0.31 1.68	45.69 0.23 1.40	38.25 0.08 1.04	32.26 -0.03 0.70	28.61 -0.06 0.37
GENERAL___MILLS 23808	25.71 -0.05 0.00	22.40 -0.36 0.00	20.99 -0.72 0.00	20.74 -0.71 0.00	20.69 -0.88 0.00	22.32 -0.50 0.00	25.03 -0.66 0.73	26.58 -0.48 1.16	27.71 -0.11 0.72	27.87 -0.23 0.89	28.85 -0.21 1.03	30.10 -0.32 1.13	32.44 -0.66 1.60	35.61 -0.42 1.92	36.49 -0.31 2.03	37.40 -0.48 2.20	43.15 0.18 1.93	50.09 -0.66 3.88	50.62 -1.42 4.67	45.96 -1.07 3.95	42.33 -1.22 3.31	35.74 -1.02 2.46	30.59 -0.76 1.65	27.61 -0.55 0.88
GE_PLASTICS___DRP 24183	26.56 0.80 0.00	23.61 0.84 0.00	22.42 0.72 0.00	22.18 0.73 0.00	22.25 0.67 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.90 0.68 0.00	29.14 0.60 0.00	29.40 0.58 0.16	30.44 0.60 0.26	31.80 0.60 0.35	34.93 0.73 0.50	38.47 0.76 0.23	39.84 1.13 0.12	41.11 1.20 0.17	46.29 1.39 0.00	56.31 1.91 0.23	58.81 2.10 0.00	52.82 1.84 0.00	48.64 1.78 0.00	40.63 1.41 0.00	33.92 0.92 0.00	29.85 0.81 0.00
GILBOA___1 23756	26.64 0.88 0.00	23.56 0.80 0.00	22.48 0.78 0.00	22.11 0.67 0.00	22.38 0.80 0.00	23.62 0.80 0.00	27.27 0.85 0.00	29.10 0.88 0.00	29.43 0.89 0.00	29.98 0.90 -0.09	31.20 0.96 -0.14	32.68 0.95 -0.19	36.02 1.04 -0.28	39.17 1.10 -0.13	40.34 1.44 -0.07	41.69 1.52 -0.09	46.51 1.61 0.00	56.78 2.02 -0.13	58.87 2.15 0.00	52.87 1.89 0.00	48.68 1.83 0.00	40.82 1.61 0.00	34.05 1.06 0.00	30.03 0.99 0.00
GILBOA___2 23757	26.64 0.88 0.00	23.56 0.80 0.00	22.48 0.78 0.00	22.11 0.67 0.00	22.38 0.80 0.00	23.62 0.80 0.00	27.27 0.85 0.00	29.10 0.88 0.00	29.43 0.89 0.00	29.98 0.90 -0.09	31.20 0.96 -0.14	32.68 0.95 -0.19	36.02 1.04 -0.28	39.17 1.10 -0.13	40.34 1.44 -0.07	41.69 1.52 -0.09	46.51 1.61 0.00	56.78 2.02 -0.13	58.87 2.15 0.00	52.87 1.89 0.00	48.68 1.83 0.00	40.82 1.61 0.00	34.05 1.06 0.00	30.03 0.99 0.00



GILBOA___3 23758	26.64 0.88 0.00	23.56 0.80 0.00	22.48 0.78 0.00	22.11 0.67 0.00	22.38 0.80 0.00	23.62 0.80 0.00	27.27 0.85 0.00	29.10 0.88 0.00	29.43 0.89 0.00	29.98 0.90 -0.09	31.20 0.96 -0.14	32.68 0.95 -0.19	36.02 1.04 -0.28	39.17 1.10 -0.13	40.34 1.44 -0.07	41.69 1.52 -0.09	46.51 1.61 0.00	56.78 2.02 -0.13	58.87 2.15 0.00	52.87 1.89 0.00	48.68 1.83 0.00	40.82 1.61 0.00	34.05 1.06 0.00	30.03 0.99 0.00
GILBOA___4 23759	26.64 0.88 0.00	23.56 0.80 0.00	22.48 0.78 0.00	22.11 0.67 0.00	22.38 0.80 0.00	23.62 0.80 0.00	27.27 0.85 0.00	29.10 0.88 0.00	29.43 0.89 0.00	29.98 0.90 -0.09	31.20 0.96 -0.14	32.68 0.95 -0.19	36.02 1.04 -0.28	39.17 1.10 -0.13	40.34 1.44 -0.07	41.69 1.52 -0.09	46.51 1.61 0.00	56.78 2.02 -0.13	58.87 2.15 0.00	52.87 1.89 0.00	48.68 1.83 0.00	40.82 1.61 0.00	34.05 1.06 0.00	30.03 0.99 0.00
GILBOA___ 23599	26.64 0.88 0.00	23.56 0.80 0.00	22.35 0.65 0.00	22.11 0.66 0.00	22.18 0.60 0.00	23.62 0.80 0.00	27.27 0.85 0.00	29.10 0.87 0.00	29.43 0.88 0.00	29.98 0.90 -0.09	31.20 0.96 -0.14	32.68 0.95 -0.19	36.06 1.08 -0.28	39.21 1.14 -0.13	40.42 1.51 -0.07	41.69 1.52 -0.09	46.52 1.62 0.00	56.78 2.02 -0.13	58.87 2.16 0.00	52.97 1.99 0.00	48.68 1.83 0.00	40.82 1.61 0.00	34.09 1.09 0.00	30.03 0.99 0.00
GINNA___ 23603	24.50 -1.26 0.00	21.54 -1.23 0.00	20.47 -1.24 0.00	20.01 -1.44 0.00	20.28 -1.29 0.00	21.46 -1.37 0.00	24.45 -1.14 0.83	25.86 -1.04 1.31	26.81 -0.91 0.82	27.05 -0.93 1.01	27.96 -0.96 1.17	29.35 -0.92 1.28	31.67 -1.22 1.82	34.67 -1.10 2.18	35.56 -0.97 2.31	36.61 -0.96 2.50	42.08 -0.63 2.19	48.74 -1.47 4.41	49.37 -2.04 5.31	44.71 -1.79 4.49	41.36 -1.73 3.76	35.01 -1.41 2.79	29.93 -1.19 1.88	26.91 -1.13 1.00
GLEN PARK___ 23778	26.10 0.33 0.00	22.97 0.20 0.00	21.86 0.15 0.00	21.45 0.00 0.00	21.66 0.09 0.00	23.01 0.18 0.00	27.01 0.45 -0.14	29.01 0.56 -0.23	29.12 0.43 -0.14	29.68 0.52 -0.17	30.84 0.54 -0.20	32.39 0.63 -0.22	35.71 0.69 -0.31	39.15 0.83 -0.37	39.93 0.70 -0.40	41.11 0.60 -0.43	45.86 0.58 -0.38	56.15 0.76 -0.76	58.10 1.36 -0.03	53.00 1.99 -0.02	48.66 1.78 -0.02	41.18 1.49 -0.48	34.44 1.12 -0.32	29.88 0.67 -0.17
GLENDALE_27_KV_LOAD 356172	28.14 2.37 -0.01	24.71 1.94 -0.01	23.36 1.65 -0.01	23.13 1.67 -0.01	23.16 1.58 -0.01	24.76 1.94 0.00	28.67 2.25 0.00	30.82 2.60 0.00	31.35 2.80 -0.01	32.38 2.93 -0.47	33.92 3.10 -0.72	35.67 3.15 -0.98	40.90 3.44 -2.76	42.19 3.60 -0.64	43.49 4.31 -0.35	44.87 4.33 -0.47	49.30 4.40 0.00	61.38 6.12 -0.63	63.06 6.35 0.00	56.39 5.40 0.00	51.64 4.78 0.00	43.29 4.08 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GLENWOOD_IC_1_G5 23712	28.13 2.37 0.00	24.75 1.98 0.00	23.35 1.65 0.00	23.10 1.65 0.00	23.15 1.58 0.00	24.79 1.96 0.00	28.53 2.11 0.00	30.65 2.43 0.00	31.12 2.57 -0.01	32.06 2.61 -0.46	33.73 2.92 -0.72	35.38 2.87 -0.97	39.18 3.09 -1.39	41.73 3.15 -0.64	43.18 4.00 -0.35	44.31 3.77 -0.47	48.99 4.09 0.00	61.00 5.74 -0.63	62.89 6.18 0.00	56.29 5.30 0.00	51.49 4.64 0.00	43.29 4.08 0.00	35.80 2.80 0.00	31.80 2.76 0.00
GLENWOOD_IC_2_G1 23688	27.95 2.19 0.00	24.59 1.82 0.00	23.44 1.74 0.00	22.99 1.55 0.00	23.33 1.75 0.00	24.67 1.85 0.00	28.40 1.98 0.00	30.51 2.28 0.00	30.98 2.43 -0.01	31.94 2.49 -0.46	33.55 2.74 -0.72	35.19 2.68 -0.97	39.01 2.92 -1.39	41.62 3.04 -0.64	42.95 3.77 -0.35	44.39 3.85 -0.47	49.03 4.13 0.00	61.05 5.79 -0.63	62.84 6.13 0.00	56.34 5.35 0.00	51.50 4.64 0.00	43.02 3.80 0.00	35.51 2.51 0.00	31.60 2.56 0.00
GLENWOOD_IC_3_G1 23689	27.95 2.19 0.00	24.59 1.82 0.00	23.44 1.74 0.00	22.99 1.55 0.00	23.33 1.75 0.00	24.67 1.85 0.00	28.40 1.98 0.00	30.51 2.28 0.00	30.98 2.43 -0.01	31.94 2.49 -0.46	33.55 2.74 -0.72	35.19 2.68 -0.97	39.01 2.92 -1.39	41.62 3.04 -0.64	42.95 3.77 -0.35	44.39 3.85 -0.47	49.03 4.13 0.00	61.05 5.79 -0.63	62.84 6.13 0.00	56.34 5.35 0.00	51.50 4.64 0.00	43.02 3.80 0.00	35.51 2.51 0.00	31.60 2.56 0.00
GLENWOOD___4 23550	28.13 2.37 0.00	24.75 1.98 0.00	23.35 1.65 0.00	23.10 1.65 0.00	23.15 1.58 0.00	24.79 1.96 0.00	28.53 2.11 0.00	30.65 2.43 0.00	31.12 2.57 -0.01	32.06 2.61 -0.46	33.73 2.92 -0.72	35.38 2.87 -0.97	39.18 3.09 -1.39	41.73 3.15 -0.64	43.18 4.00 -0.35	44.39 3.85 -0.47	49.08 4.18 0.00	61.16 5.90 -0.63	63.06 6.35 0.00	56.44 5.46 0.00	51.64 4.78 0.00	43.29 4.08 0.00	35.80 2.80 0.00	31.80 2.76 0.00
GLENWOOD___5 23614	28.13 2.37 0.00	24.75 1.98 0.00	23.35 1.65 0.00	23.10 1.65 0.00	23.15 1.58 0.00	24.79 1.96 0.00	28.53 2.11 0.00	30.65 2.43 0.00	31.12 2.57 -0.01	32.06 2.61 -0.46	33.73 2.92 -0.72	35.38 2.87 -0.97	39.18 3.09 -1.39	41.73 3.15 -0.64	43.18 4.00 -0.35	44.39 3.85 -0.47	49.08 4.18 0.00	61.16 5.90 -0.63	63.06 6.35 0.00	56.44 5.46 0.00	51.64 4.78 0.00	43.29 4.08 0.00	35.80 2.80 0.00	31.80 2.76 0.00
GLOBAL GREEN_PORT_GT1 23814	28.60 2.83 0.00	25.20 2.44 0.00	23.94 2.24 0.00	23.40 1.95 0.00	23.74 2.16 0.00	25.11 2.28 0.00	28.59 2.17 0.00	30.68 2.45 0.00	31.04 2.48 -0.01	31.88 2.44 -0.46	33.70 2.89 -0.72	35.29 2.78 -0.97	38.80 2.71 -1.39	41.28 2.69 -0.64	42.60 3.42 -0.35	44.31 3.77 -0.47	49.12 4.22 0.00	61.60 6.33 -0.63	63.97 7.26 0.00	57.57 6.58 0.00	52.34 5.48 0.00	43.64 4.43 0.00	35.51 2.51 0.00	32.00 2.96 0.00
GLOBE___DSASP 323697	24.68 -1.08 0.00	21.61 -1.16 0.00	20.21 -1.50 0.00	19.97 -1.48 0.00	19.92 -1.66 0.00	21.43 -1.39 0.00	24.32 -1.32 0.78	25.63 -1.35 1.24	26.75 -1.03 0.77	26.91 -1.13 0.95	27.82 -1.17 1.10	29.04 -1.29 1.21	31.08 -1.91 1.71	34.08 -1.82 2.05	34.76 -1.90 2.17	35.60 -2.12 2.35	41.17 -1.66 2.06	47.58 -2.90 4.15	47.98 -3.74 4.99	43.70 -3.06 4.23	40.36 -2.95 3.54	34.20 -2.39 2.63	29.42 -1.81 1.77	26.82 -1.28 0.94
GOETHSLN___LBMP 323567	27.82 2.06 0.00	24.45 1.68 0.00	23.11 1.41 0.00	22.88 1.44 0.00	22.92 1.34 0.00	24.56 1.73 0.00	28.43 2.01 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.12 2.67 -0.46	33.64 2.83 -0.72	35.38 2.87 -0.97	40.55 3.12 -2.72	41.77 3.19 -0.64	43.14 3.96 -0.35	44.51 3.97 -0.47	49.08 4.18 0.00	61.16 5.90 -0.63	62.84 6.12 0.00	56.19 5.20 0.00	51.45 4.59 0.00	42.90 3.69 0.00	35.71 2.71 0.00	31.51 2.47 0.00
GOLAH___69_KV_TB 1_2 80279	25.84 0.08 0.00	22.63 -0.14 0.00	21.29 -0.41 0.00	21.04 -0.41 0.00	21.08 -0.50 0.00	22.57 -0.25 0.00	25.79 0.21 0.84	27.24 0.34 1.32	28.20 0.49 0.83	28.32 0.35 1.01	29.24 0.33 1.18	30.63 0.38 1.29	33.01 0.14 1.83	36.06 0.30 2.19	36.90 0.39 2.33	37.96 0.40 2.52	43.50 0.81 2.21	50.79 0.60 4.44	51.54 0.17 5.34	46.82 0.36 4.53	43.35 0.28 3.79	36.68 0.27 2.81	31.34 0.23 1.89	28.35 0.32 1.01



GOODYEAR_LAKE_HYD 323669	27.39 1.62 0.00	24.13 1.37 0.00	22.83 1.13 0.00	22.54 1.09 0.00	22.64 1.06 0.00	24.22 1.39 0.00	28.11 1.69 0.00	30.11 1.89 0.00	30.49 1.94 0.00	30.93 1.94 0.00	32.11 2.02 0.00	33.72 2.18 0.00	37.06 2.36 0.00	40.68 2.73 0.00	41.98 3.15 0.00	43.28 3.21 0.00	48.63 3.73 0.00	59.33 4.70 0.00	61.53 4.82 0.00	55.37 4.38 0.00	50.65 3.80 0.00	42.27 3.06 0.00	35.28 2.28 0.00	30.98 1.95 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	26.28 0.52 0.00	23.11 0.34 0.00	21.81 0.11 0.00	21.58 0.13 0.00	21.62 0.04 0.00	23.14 0.32 0.00	26.61 0.40 0.21	28.43 0.54 0.33	28.94 0.60 0.20	29.41 0.61 0.18	30.51 0.60 0.19	32.00 0.63 0.18	35.08 0.62 0.25	38.33 0.83 0.45	39.36 1.05 0.53	40.68 1.16 0.56	45.92 1.57 0.55	55.37 1.75 1.01	57.09 1.70 1.33	51.39 1.53 1.12	47.18 1.27 0.94	39.46 0.94 0.70	33.19 0.66 0.47	29.31 0.52 0.25
GOUDEY___7 23579	26.30 0.54 0.00	23.13 0.36 0.00	21.83 0.13 0.00	21.58 0.13 0.00	21.64 0.06 0.00	23.17 0.34 0.00	26.63 0.42 0.21	28.46 0.56 0.33	28.97 0.63 0.20	29.44 0.64 0.18	30.54 0.63 0.19	32.03 0.66 0.18	35.15 0.69 0.25	38.37 0.87 0.45	39.40 1.09 0.53	40.72 1.20 0.56	46.01 1.66 0.55	55.48 1.86 1.01	57.14 1.76 1.33	51.49 1.63 1.12	47.23 1.31 0.94	39.54 1.02 0.70	33.22 0.69 0.47	29.34 0.55 0.25
GOUDEY___8 23580	26.28 0.52 0.00	23.11 0.34 0.00	21.81 0.11 0.00	21.58 0.13 0.00	21.62 0.04 0.00	23.14 0.32 0.00	26.61 0.40 0.21	28.43 0.54 0.33	28.94 0.60 0.20	29.41 0.61 0.18	30.51 0.60 0.19	32.00 0.63 0.18	35.08 0.62 0.25	38.33 0.83 0.45	39.36 1.05 0.53	40.68 1.16 0.56	45.92 1.57 0.55	55.37 1.75 1.01	57.09 1.70 1.33	51.39 1.53 1.12	47.18 1.27 0.94	39.46 0.94 0.70	33.19 0.66 0.47	29.31 0.52 0.25
GOWANUS_GT1_1 24077	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT1_2 24078	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT1_3 24079	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT1_4 24080	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT1_5 24084	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT1_6 24111	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT1_7 24112	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT1_8 24113	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT2_1 24114	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT2_2 24115	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT2_3 24116	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01



GOWANUS_GT2_4 24117	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT2_5 24118	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT2_6 24119	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT2_7 24120	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT2_8 24121	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT3_1 24122	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT3_2 24123	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT3_3 24124	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT3_4 24125	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT3_5 24126	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT3_6 24127	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT3_7 24128	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT3_8 24129	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
GOWANUS_GT4_1 24130	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT4_2 24131	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01



GOWANUS_GT4_3 24132	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT4_4 24133	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT4_5 24134	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT4_6 24135	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT4_7 24136	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GOWANUS_GT4_8 24137	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GREENBSH_115KV_TB3 55895	26.54 0.77 0.00	23.68 0.91 0.00	22.49 0.78 0.00	22.24 0.79 0.00	22.29 0.71 0.00	23.71 0.89 0.00	27.29 0.87 0.00	28.87 0.65 0.00	29.08 0.54 0.00	29.25 0.49 0.23	30.25 0.51 0.36	31.56 0.50 0.49	34.62 0.62 0.70	38.31 0.68 0.32	39.71 1.05 0.17	40.96 1.12 0.23	46.29 1.39 0.00	56.17 1.86 0.32	58.75 2.04 0.00	52.82 1.84 0.00	48.64 1.78 0.00	40.63 1.41 0.00	33.89 0.89 0.00	29.82 0.78 0.00
GREENIDGE_115KV_TB5 80291	26.15 0.39 0.00	22.93 0.16 0.00	21.57 -0.13 0.00	21.32 -0.13 0.00	21.36 -0.22 0.00	22.96 0.14 0.00	26.39 0.45 0.47	28.15 0.68 0.75	28.85 0.77 0.47	29.14 0.72 0.57	30.06 0.63 0.67	31.51 0.69 0.73	34.33 0.66 1.03	37.43 0.72 1.24	38.30 0.78 1.32	39.69 1.04 1.42	45.45 1.80 1.25	53.92 1.80 2.51	55.33 1.64 3.02	50.01 1.58 2.56	45.98 1.27 2.14	38.45 0.82 1.59	32.65 0.73 1.07	28.99 0.52 0.57
GREENIDGE___3 23582	26.15 0.39 0.00	22.93 0.16 0.00	21.57 -0.13 0.00	21.32 -0.13 0.00	21.36 -0.22 0.00	22.96 0.14 0.00	26.39 0.45 0.47	28.15 0.68 0.75	28.85 0.77 0.47	29.14 0.72 0.57	30.06 0.63 0.67	31.51 0.69 0.73	34.33 0.66 1.03	37.43 0.72 1.24	38.30 0.78 1.32	39.69 1.04 1.42	45.45 1.80 1.25	53.92 1.80 2.51	55.33 1.64 3.02	50.01 1.58 2.56	45.98 1.27 2.14	38.45 0.82 1.59	32.65 0.73 1.07	28.99 0.52 0.57
GREENIDGE___4 23583	26.15 0.39 0.00	22.93 0.16 0.00	21.86 0.15 0.00	21.32 -0.13 0.00	21.66 0.09 0.00	22.96 0.14 0.00	26.39 0.45 0.47	28.15 0.68 0.75	28.85 0.77 0.47	29.14 0.73 0.57	30.06 0.63 0.67	31.51 0.69 0.73	34.29 0.63 1.03	37.50 0.80 1.24	38.34 0.82 1.32	39.69 1.04 1.42	45.45 1.80 1.25	53.92 1.80 2.51	55.34 1.65 3.02	50.06 1.63 2.56	45.98 1.27 2.14	38.45 0.82 1.59	32.75 0.83 1.07	28.99 0.52 0.57
GREENLWN_69_KV_BK 3 55738	28.29 2.52 0.00	24.91 2.14 0.00	23.44 1.74 0.00	23.18 1.74 0.00	23.24 1.66 0.00	24.90 2.08 0.00	28.53 2.11 0.00	30.68 2.46 0.00	31.10 2.54 -0.01	31.97 2.52 -0.46	33.64 2.83 -0.72	34.94 2.43 -0.97	38.42 2.33 -1.39	40.78 2.20 -0.64	42.29 3.11 -0.35	43.75 3.21 -0.47	48.36 3.46 0.00	60.40 5.14 -0.63	62.44 5.73 0.00	55.98 5.00 0.00	51.12 4.26 0.00	42.82 3.61 0.00	35.51 2.51 0.00	32.00 2.96 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01
GRISSOM___SOLAR 323813	29.65 3.89 0.00	26.25 3.48 0.00	24.96 3.25 0.00	24.45 3.00 0.00	24.81 3.24 0.00	26.29 3.47 0.00	30.75 4.33 0.00	32.68 4.46 0.00	32.85 4.31 0.00	32.75 3.89 0.12	33.58 3.67 0.19	35.39 4.10 0.26	39.05 4.72 0.37	43.32 5.54 0.17	44.88 6.13 0.09	46.89 6.93 0.12	53.43 8.53 0.00	65.94 11.48 0.17	68.63 11.91 0.00	62.46 11.47 0.00	56.93 10.08 0.00	47.10 7.88 0.00	39.04 6.04 0.00	34.06 5.02 0.00
GROVEVILLE___HYD 323602	27.77 2.01 0.00	24.45 1.68 0.00	23.11 1.41 0.00	22.86 1.42 0.00	22.89 1.32 0.00	24.49 1.67 0.00	28.24 1.82 0.00	30.17 1.95 0.00	30.64 2.08 -0.01	31.51 2.12 -0.40	33.07 2.35 -0.62	34.75 2.37 -0.84	38.63 2.71 -1.22	41.42 2.92 -0.56	42.79 3.65 -0.30	44.25 3.77 -0.41	49.12 4.22 0.00	60.92 5.74 -0.55	62.72 6.01 0.00	56.03 5.05 0.00	51.35 4.50 0.00	42.70 3.49 0.00	35.34 2.34 0.00	31.13 2.09 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	25.84 0.08 0.00	22.74 -0.02 0.00	21.55 -0.15 0.00	21.28 -0.17 0.00	21.36 -0.22 0.00	22.76 -0.07 0.00	26.50 0.08 0.00	28.39 0.17 0.00	28.75 0.20 0.00	29.19 0.20 0.00	30.28 0.18 0.00	31.76 0.22 0.00	34.94 0.24 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.68 0.60 0.00	45.80 0.90 0.00	55.56 0.93 0.00	57.56 0.85 0.00	51.75 0.76 0.00	47.51 0.66 0.00	39.65 0.43 0.00	33.23 0.23 0.00	29.21 0.17 0.00



HAMLTNNY_34_KV_TB 80303	25.87 0.10 0.00	22.77 0.00 0.00	21.55 -0.15 0.00	21.28 -0.17 0.00	21.36 -0.22 0.00	22.80 -0.02 0.00	26.55 0.13 0.00	28.45 0.23 0.00	28.83 0.29 0.00	29.28 0.29 0.00	30.34 0.24 0.00	31.86 0.32 0.00	35.05 0.35 0.00	38.44 0.49 0.00	39.38 0.54 0.00	40.80 0.72 0.00	46.02 1.12 0.00	55.78 1.15 0.00	57.73 1.02 0.00	51.90 0.92 0.00	47.65 0.80 0.00	39.76 0.55 0.00	33.33 0.33 0.00	29.27 0.23 0.00
HAMPSHIRE___PAPER_HYD 323593	25.64 -0.13 0.00	22.61 -0.16 0.00	21.53 -0.17 0.00	21.27 -0.17 0.00	21.36 -0.22 0.00	22.67 -0.16 0.00	26.39 -0.03 0.00	28.25 0.03 0.00	28.46 -0.09 0.00	28.90 -0.09 0.00	29.98 -0.12 0.00	31.61 0.06 0.00	34.88 0.17 0.00	38.17 0.23 0.00	38.76 -0.08 0.00	39.71 -0.36 0.00	43.96 -0.95 0.00	53.21 -1.42 0.00	53.04 -1.19 2.48	48.32 -0.56 2.10	44.58 -0.51 1.76	39.29 0.08 0.00	33.20 0.20 0.00	29.01 -0.03 0.00
HARDSCRABBLE_WT_PWR 323673	25.82 0.05 0.00	22.81 0.05 0.00	21.77 0.07 0.00	21.47 0.02 0.00	21.66 0.09 0.00	22.92 0.09 0.00	26.55 0.13 0.00	28.36 0.14 0.00	28.72 0.17 0.00	29.19 0.20 0.00	30.34 0.24 0.00	31.79 0.25 0.00	34.91 0.21 0.00	38.17 0.23 0.00	39.15 0.31 0.00	40.28 0.20 0.00	45.13 0.23 0.00	54.96 0.33 0.00	57.34 0.40 -0.23	51.49 0.31 -0.19	47.30 0.28 -0.16	39.45 0.24 0.00	33.13 0.13 0.00	29.19 0.15 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	27.62 1.85 0.00	24.29 1.53 0.00	22.94 1.24 0.00	22.71 1.27 0.00	22.74 1.17 0.00	24.35 1.53 0.00	28.11 1.69 0.00	30.08 1.86 0.00	30.55 2.00 -0.01	31.46 2.06 -0.41	33.00 2.26 -0.65	34.66 2.24 -0.88	38.47 2.50 -1.27	41.22 2.69 -0.58	42.57 3.42 -0.31	44.02 3.53 -0.42	48.81 3.91 0.00	60.55 5.35 -0.57	62.33 5.61 0.00	55.68 4.69 0.00	50.98 4.12 0.00	42.39 3.18 0.00	35.14 2.14 0.00	31.01 1.97 0.00
HARSNRAD_115KV_TB1 81005	25.27 -0.49 0.00	22.08 -0.68 0.00	20.71 -1.00 0.00	20.44 -1.01 0.00	20.39 -1.19 0.00	21.93 -0.89 0.00	24.85 -0.79 0.78	26.28 -0.71 1.23	27.43 -0.34 0.77	27.55 -0.49 0.95	28.48 -0.51 1.10	29.74 -0.60 1.20	31.96 -1.04 1.71	35.03 -0.87 2.04	35.85 -0.82 2.17	36.73 -1.00 2.35	42.48 -0.36 2.06	49.12 -1.37 4.14	49.58 -2.16 4.98	45.08 -1.68 4.22	41.64 -1.69 3.53	35.22 -1.37 2.62	30.21 -1.02 1.76	27.38 -0.73 0.94
HARZA MOOSE___RIVER 24016	26.25 0.49 0.00	23.13 0.36 0.00	21.99 0.28 0.00	21.64 0.19 0.00	21.77 0.19 0.00	23.14 0.32 0.00	26.92 0.50 0.00	28.84 0.62 0.00	29.15 0.60 0.00	29.71 0.72 0.00	30.85 0.75 0.00	32.43 0.88 0.00	35.67 0.97 0.00	39.16 1.21 0.00	39.89 1.05 0.00	41.08 1.00 0.00	45.98 1.08 0.00	55.94 1.31 0.00	57.78 1.59 0.52	52.53 1.99 0.44	48.27 1.78 0.37	40.74 1.53 0.00	34.12 1.12 0.00	29.77 0.73 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	25.69 -0.08 0.00	22.61 -0.16 0.00	21.42 -0.28 0.00	21.17 -0.28 0.00	21.23 -0.35 0.00	22.64 -0.18 0.00	25.94 -0.08 0.40	27.56 -0.03 0.63	28.18 0.03 0.39	28.53 0.03 0.48	29.56 0.03 0.56	30.99 0.06 0.62	33.83 0.00 0.87	36.97 0.08 1.05	37.88 0.16 1.11	39.16 0.28 1.20	44.38 0.54 1.05	52.95 0.44 2.12	54.50 0.34 2.55	49.13 0.31 2.16	45.28 0.23 1.81	37.95 0.08 1.34	32.10 0.00 0.90	28.53 -0.03 0.48
HELLGATE_13_KV_LD 55870	28.04 2.27 -0.01	24.67 1.89 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.12 1.53 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.55 3.03 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.30 4.12 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.31 4.45 0.00	43.06 3.84 0.00	35.91 2.90 -0.01	31.69 2.64 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	28.04 2.27 -0.01	24.67 1.89 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.12 1.53 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.55 3.03 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.30 4.12 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.31 4.45 0.00	43.06 3.84 0.00	35.91 2.90 -0.01	31.69 2.64 -0.01
HEMPSTEAD____ 23647	28.11 2.34 0.00	24.73 1.96 0.00	23.55 1.84 0.00	23.08 1.63 0.00	23.41 1.83 0.00	24.76 1.94 0.00	28.43 2.01 0.00	30.54 2.31 0.00	31.01 2.46 -0.01	31.91 2.46 -0.46	33.61 2.80 -0.72	35.19 2.68 -0.97	38.90 2.81 -1.39	41.47 2.88 -0.64	42.79 3.61 -0.35	44.27 3.73 -0.47	48.85 3.95 0.00	60.94 5.68 -0.63	62.90 6.18 0.00	56.49 5.51 0.00	51.50 4.64 0.00	43.17 3.96 0.00	35.48 2.48 0.00	31.80 2.76 0.00
HEWLETT_69_KV_BK3 55828	28.42 2.65 0.00	25.02 2.25 0.00	23.55 1.84 0.00	23.31 1.87 0.00	23.35 1.77 0.00	25.02 2.19 0.00	28.69 2.27 0.00	30.82 2.60 0.00	31.27 2.71 -0.01	32.20 2.75 -0.46	33.91 3.10 -0.72	35.57 3.06 -0.97	39.36 3.26 -1.39	41.85 3.26 -0.64	43.34 4.16 -0.35	44.83 4.29 -0.47	49.35 4.45 0.00	61.60 6.34 -0.63	63.63 6.92 0.00	57.05 6.07 0.00	52.10 5.25 0.00	43.76 4.55 0.00	36.10 3.10 0.00	32.15 3.11 0.00
HICKLING___1 23621	26.18 0.41 0.00	22.90 0.14 0.00	21.49 -0.22 0.00	21.25 -0.19 0.00	21.25 -0.32 0.00	22.92 0.09 0.00	26.19 0.16 0.38	28.01 0.40 0.61	28.74 0.57 0.38	29.13 0.55 0.41	30.12 0.48 0.46	31.54 0.47 0.48	34.44 0.42 0.68	37.70 0.68 0.93	38.63 0.82 1.03	39.94 0.96 1.10	45.59 1.71 1.01	54.31 1.64 1.96	55.68 1.42 2.45	50.24 1.33 2.07	46.06 0.94 1.74	38.52 0.59 1.29	32.56 0.43 0.87	28.87 0.29 0.46
HICKLING___2 23622	26.18 0.41 0.00	22.90 0.14 0.00	21.49 -0.22 0.00	21.25 -0.19 0.00	21.25 -0.32 0.00	22.92 0.09 0.00	26.19 0.16 0.38	28.01 0.40 0.61	28.74 0.57 0.38	29.13 0.55 0.41	30.12 0.48 0.46	31.54 0.47 0.48	34.44 0.42 0.68	37.70 0.68 0.93	38.63 0.82 1.03	39.94 0.96 1.10	45.59 1.71 1.01	54.31 1.64 1.96	55.68 1.42 2.45	50.24 1.33 2.07	46.06 0.94 1.74	38.52 0.59 1.29	32.56 0.43 0.87	28.87 0.29 0.46
HIGH FALLS___HY 23754	27.72 1.96 0.00	24.29 1.53 0.00	22.94 1.24 0.00	22.69 1.24 0.00	22.72 1.14 0.00	24.35 1.53 0.00	28.14 1.72 0.00	30.17 1.95 0.00	30.66 2.11 0.00	31.39 2.15 -0.25	32.81 2.32 -0.39	34.38 2.30 -0.53	38.04 2.57 -0.77	41.07 2.77 -0.35	42.52 3.50 -0.19	43.98 3.65 -0.26	48.99 4.09 0.00	60.77 5.79 -0.35	62.89 6.18 0.00	56.19 5.20 0.00	51.40 4.55 0.00	42.70 3.49 0.00	35.24 2.24 0.00	31.07 2.03 0.00
HILLBURN___GT 23639	27.62 1.86 0.00	24.27 1.50 0.00	23.18 1.48 0.00	22.71 1.27 0.00	23.07 1.49 0.00	24.38 1.55 0.00	28.11 1.69 0.00	30.14 1.92 0.00	30.64 2.08 -0.01	31.59 2.18 -0.42	33.11 2.35 -0.66	34.71 2.27 -0.90	38.50 2.50 -1.29	41.27 2.73 -0.59	42.53 3.38 -0.32	43.99 3.48 -0.43	48.67 3.77 0.00	60.41 5.19 -0.58	62.16 5.44 0.00	55.63 4.64 0.00	50.84 3.98 0.00	42.35 3.14 0.00	35.14 2.14 0.00	31.07 2.03 0.00



HILLSIDE_115KV_TB1 80332	25.84 0.08 0.00	22.61 -0.16 0.00	21.25 -0.46 0.00	21.02 -0.43 0.00	21.02 -0.56 0.00	22.66 -0.16 0.00	25.85 -0.21 0.36	27.62 -0.03 0.57	28.33 0.14 0.35	28.69 0.09 0.38	29.70 0.03 0.42	31.10 0.00 0.44	33.98 -0.10 0.62	37.15 0.08 0.87	38.11 0.23 0.96	39.37 0.32 1.03	44.85 0.90 0.95	53.50 0.71 1.84	54.87 0.45 2.30	49.50 0.46 1.95	45.37 0.14 1.63	37.97 -0.04 1.21	32.12 -0.07 0.81	28.46 -0.15 0.43
HISHELDN_WT_PWR 323625	25.61 -0.15 0.00	22.36 -0.41 0.00	21.33 -0.37 0.00	20.68 -0.77 0.00	21.02 -0.56 0.00	22.23 -0.59 0.00	25.08 -0.66 0.68	26.67 -0.48 1.07	27.73 -0.14 0.67	27.96 -0.20 0.82	28.89 -0.24 0.96	30.12 -0.38 1.05	32.42 -0.80 1.49	35.63 -0.53 1.78	36.52 -0.43 1.89	37.47 -0.56 2.04	43.20 0.09 1.79	50.42 -0.60 3.61	51.13 -1.25 4.34	46.49 -0.82 3.67	42.75 -1.03 3.08	35.99 -0.94 2.28	31.00 -0.46 1.54	27.70 -0.52 0.82
HOLTSVILLE_IC_1 23690	28.39 2.63 0.00	24.98 2.21 0.00	23.74 2.04 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.51 2.09 0.00	30.62 2.40 0.00	30.98 2.43 -0.01	31.83 2.38 -0.46	33.55 2.74 -0.72	35.13 2.62 -0.97	38.73 2.64 -1.39	41.20 2.62 -0.64	42.45 3.26 -0.35	44.07 3.53 -0.47	48.76 3.86 0.00	60.94 5.68 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.73 4.87 0.00	43.29 4.08 0.00	35.44 2.44 0.00	31.97 2.93 0.00
HOLTSVILLE_IC_10 23699	28.55 2.78 0.00	25.11 2.35 0.00	23.87 2.17 0.00	23.38 1.93 0.00	23.74 2.16 0.00	25.13 2.30 0.00	28.64 2.22 0.00	30.76 2.54 0.00	31.15 2.60 -0.01	32.00 2.55 -0.46	33.73 2.92 -0.72	35.32 2.81 -0.97	38.94 2.85 -1.39	41.39 2.81 -0.64	42.68 3.50 -0.35	44.35 3.81 -0.47	49.03 4.13 0.00	61.32 6.06 -0.63	63.57 6.86 0.00	57.20 6.22 0.00	52.06 5.20 0.00	43.57 4.35 0.00	35.64 2.64 0.00	32.15 3.11 0.00
HOLTSVILLE_IC_2 23691	28.39 2.63 0.00	24.98 2.21 0.00	23.74 2.04 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.51 2.09 0.00	30.62 2.40 0.00	30.98 2.43 -0.01	31.83 2.38 -0.46	33.55 2.74 -0.72	35.13 2.62 -0.97	38.73 2.64 -1.39	41.20 2.62 -0.64	42.45 3.26 -0.35	44.07 3.53 -0.47	48.76 3.86 0.00	60.94 5.68 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.73 4.87 0.00	43.29 4.08 0.00	35.44 2.44 0.00	31.97 2.93 0.00
HOLTSVILLE_IC_3 23692	28.39 2.63 0.00	24.98 2.21 0.00	23.74 2.04 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.51 2.09 0.00	30.62 2.40 0.00	30.98 2.43 -0.01	31.83 2.38 -0.46	33.55 2.74 -0.72	35.13 2.62 -0.97	38.73 2.64 -1.39	41.20 2.62 -0.64	42.45 3.26 -0.35	44.07 3.53 -0.47	48.76 3.86 0.00	60.94 5.68 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.73 4.87 0.00	43.29 4.08 0.00	35.44 2.44 0.00	31.97 2.93 0.00
HOLTSVILLE_IC_4 23693	28.39 2.63 0.00	24.98 2.21 0.00	23.74 2.04 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.51 2.09 0.00	30.62 2.40 0.00	30.98 2.43 -0.01	31.83 2.38 -0.46	33.55 2.74 -0.72	35.13 2.62 -0.97	38.73 2.64 -1.39	41.20 2.62 -0.64	42.45 3.26 -0.35	44.07 3.53 -0.47	48.76 3.86 0.00	60.94 5.68 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.73 4.87 0.00	43.29 4.08 0.00	35.44 2.44 0.00	31.97 2.93 0.00
HOLTSVILLE_IC_5 23694	28.39 2.63 0.00	24.98 2.21 0.00	23.74 2.04 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.51 2.09 0.00	30.62 2.40 0.00	30.98 2.43 -0.01	31.83 2.38 -0.46	33.55 2.74 -0.72	35.13 2.62 -0.97	38.73 2.64 -1.39	41.20 2.62 -0.64	42.45 3.26 -0.35	44.07 3.53 -0.47	48.76 3.86 0.00	60.94 5.68 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.73 4.87 0.00	43.29 4.08 0.00	35.44 2.44 0.00	31.97 2.93 0.00
HOLTSVILLE_IC_6 23695	28.55 2.78 0.00	25.11 2.35 0.00	23.87 2.17 0.00	23.38 1.93 0.00	23.74 2.16 0.00	25.13 2.30 0.00	28.64 2.22 0.00	30.76 2.54 0.00	31.15 2.60 -0.01	32.00 2.55 -0.46	33.73 2.92 -0.72	35.32 2.81 -0.97	38.94 2.85 -1.39	41.39 2.81 -0.64	42.68 3.50 -0.35	44.35 3.81 -0.47	49.03 4.13 0.00	61.32 6.06 -0.63	63.57 6.86 0.00	57.20 6.22 0.00	52.06 5.20 0.00	43.57 4.35 0.00	35.64 2.64 0.00	32.15 3.11 0.00
HOLTSVILLE_IC_7 23696	28.55 2.78 0.00	25.11 2.35 0.00	23.87 2.17 0.00	23.38 1.93 0.00	23.74 2.16 0.00	25.13 2.30 0.00	28.64 2.22 0.00	30.76 2.54 0.00	31.15 2.60 -0.01	32.00 2.55 -0.46	33.73 2.92 -0.72	35.32 2.81 -0.97	38.94 2.85 -1.39	41.39 2.81 -0.64	42.68 3.50 -0.35	44.35 3.81 -0.47	49.03 4.13 0.00	61.32 6.06 -0.63	63.57 6.86 0.00	57.20 6.22 0.00	52.06 5.20 0.00	43.57 4.35 0.00	35.64 2.64 0.00	32.15 3.11 0.00
HOLTSVILLE_IC_8 23697	28.55 2.78 0.00	25.11 2.35 0.00	23.87 2.17 0.00	23.38 1.93 0.00	23.74 2.16 0.00	25.13 2.30 0.00	28.64 2.22 0.00	30.76 2.54 0.00	31.15 2.60 -0.01	32.00 2.55 -0.46	33.73 2.92 -0.72	35.32 2.81 -0.97	38.94 2.85 -1.39	41.39 2.81 -0.64	42.68 3.50 -0.35	44.35 3.81 -0.47	49.03 4.13 0.00	61.32 6.06 -0.63	63.57 6.86 0.00	57.20 6.22 0.00	52.06 5.20 0.00	43.57 4.35 0.00	35.64 2.64 0.00	32.15 3.11 0.00
HOLTSVILLE_IC_9 23698	28.55 2.78 0.00	25.11 2.35 0.00	23.87 2.17 0.00	23.38 1.93 0.00	23.74 2.16 0.00	25.13 2.30 0.00	28.64 2.22 0.00	30.76 2.54 0.00	31.15 2.60 -0.01	32.00 2.55 -0.46	33.73 2.92 -0.72	35.32 2.81 -0.97	38.94 2.85 -1.39	41.39 2.81 -0.64	42.68 3.50 -0.35	44.35 3.81 -0.47	49.03 4.13 0.00	61.32 6.06 -0.63	63.57 6.86 0.00	57.20 6.22 0.00	52.06 5.20 0.00	43.57 4.35 0.00	35.64 2.64 0.00	32.15 3.11 0.00
HOMER_HL_115KV_TB2 355744	25.94 0.18 0.00	22.54 -0.23 0.00	21.05 -0.65 0.00	20.85 -0.60 0.00	20.78 -0.80 0.00	22.60 -0.23 0.00	24.60 -1.16 0.65	26.29 -0.90 1.03	27.33 -0.57 0.64	27.53 -0.67 0.79	28.48 -0.69 0.92	29.72 -0.82 1.01	32.10 -1.18 1.43	35.36 -0.87 1.71	36.29 -0.74 1.81	36.87 -1.24 1.96	42.46 -0.72 1.72	49.58 -1.58 3.46	50.28 -2.27 4.16	45.57 -1.89 3.53	41.75 -2.16 2.95	35.53 -1.49 2.19	30.37 -1.15 1.47	27.12 -1.13 0.78
HOWARD_WT_PWR 323690	26.02 0.26 0.00	22.65 -0.11 0.00	21.62 -0.09 0.00	20.98 -0.47 0.00	21.38 -0.19 0.00	22.76 -0.07 0.00	25.91 0.00 0.51	27.78 0.37 0.81	28.67 0.63 0.51	28.98 0.61 0.62	29.85 0.48 0.72	31.19 0.44 0.79	33.75 0.17 1.12	36.94 0.34 1.34	37.88 0.47 1.43	39.05 0.52 1.54	44.89 1.35 1.36	53.05 1.15 2.72	54.29 0.85 3.28	49.18 0.97 2.78	45.05 0.52 2.32	37.69 0.20 1.72	32.13 0.30 1.16	28.54 0.12 0.62
HQ_GEN_CEDARS 23644	25.33 -0.44 0.00	22.43 -0.34 0.00	21.55 -0.15 0.00	21.25 -0.19 0.00	21.49 -0.09 0.00	22.50 -0.32 0.00	26.08 -0.34 0.00	27.88 -0.34 0.00	28.15 -0.40 0.00	28.55 -0.43 0.00	29.61 -0.48 0.00	31.13 -0.41 0.00	34.35 -0.35 0.00	37.53 -0.42 0.00	38.06 -0.78 0.00	39.19 -0.88 0.00	42.83 -2.07 0.00	51.84 -2.79 0.00	49.38 -2.89 4.44	44.68 -2.55 3.76	41.46 -2.25 3.14	38.20 -1.02 0.00	32.44 -0.56 0.00	28.52 -0.52 0.00



HQ_GEN_CEDARS_PROXY 323590	25.33 -0.44 0.00	22.43 -0.34 0.00	21.36 -0.35 0.00	21.25 -0.19 0.00	21.23 -0.35 0.00	22.50 -0.32 0.00	26.08 -0.34 0.00	27.88 -0.34 0.00	28.15 -0.40 0.00	28.56 -0.43 0.00	29.61 -0.48 0.00	31.13 -0.41 0.00	34.35 -0.35 0.00	37.53 -0.42 0.00	38.06 -0.78 0.00	38.95 -1.12 0.00	42.84 -2.06 0.00	51.84 -2.78 0.00	49.39 -2.89 4.44	44.68 -2.55 3.76	41.46 -2.25 3.14	38.19 -1.02 0.00	32.44 -0.56 0.00	28.52 -0.52 0.00
HQ_GEN_IMPORT 323601	25.35 -0.41 0.00	22.43 -0.34 0.00	21.38 -0.32 0.00	21.25 -0.19 0.00	21.42 -0.32 -0.17	22.34 -0.32 0.17	26.05 -0.37 0.00	27.83 -0.40 0.00	28.15 -0.40 0.00	28.58 -0.41 0.00	29.67 -0.42 0.00	31.13 -0.41 0.00	34.29 -0.41 0.00	37.45 -0.49 0.00	38.06 -0.78 0.00	39.16 -0.92 0.00	43.73 -1.17 0.00	53.16 -1.47 0.00	54.04 -1.53 1.14	48.69 -1.33 0.97	44.83 -1.22 0.81	38.31 -0.90 0.00	32.47 -0.53 0.00	28.57 -0.47 0.00
HQ_GEN_WHEEL 23651	25.35 -0.41 0.00	22.43 -0.34 0.00	21.38 -0.32 0.00	21.25 -0.19 0.00	21.42 -0.32 -0.17	22.34 -0.32 0.17	26.05 -0.37 0.00	27.83 -0.40 0.00	28.15 -0.40 0.00	28.58 -0.41 0.00	29.67 -0.42 0.00	31.13 -0.41 0.00	34.29 -0.41 0.00	37.45 -0.49 0.00	38.06 -0.78 0.00	39.16 -0.92 0.00	43.73 -1.17 0.00	53.16 -1.47 0.00	54.04 -1.53 1.14	48.69 -1.33 0.97	44.83 -1.22 0.81	38.31 -0.90 0.00	32.47 -0.53 0.00	28.57 -0.47 0.00
HUDSON_AVE_GT_3 23810	27.95 2.19 0.00	24.54 1.78 0.00	23.20 1.50 0.00	22.97 1.52 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.51 2.09 0.00	30.65 2.43 0.00	31.18 2.63 -0.01	32.17 2.73 -0.46	33.73 2.92 -0.72	35.48 2.97 -0.97	40.65 3.23 -2.72	41.92 3.34 -0.64	43.30 4.12 -0.35	44.67 4.13 -0.47	49.30 4.40 0.00	61.43 6.17 -0.63	63.12 6.41 0.00	56.44 5.46 0.00	51.68 4.83 0.00	43.10 3.88 0.00	35.84 2.84 0.00	31.59 2.56 0.00
HUDSON_AVE_GT_4 23540	27.95 2.19 0.00	24.54 1.78 0.00	23.20 1.50 0.00	22.97 1.52 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.51 2.09 0.00	30.65 2.43 0.00	31.18 2.63 -0.01	32.17 2.73 -0.46	33.73 2.92 -0.72	35.48 2.97 -0.97	40.65 3.23 -2.72	41.92 3.34 -0.64	43.30 4.12 -0.35	44.67 4.13 -0.47	49.30 4.40 0.00	61.43 6.17 -0.63	63.12 6.41 0.00	56.44 5.46 0.00	51.68 4.83 0.00	43.10 3.88 0.00	35.84 2.84 0.00	31.59 2.56 0.00
HUDSON_AVE_GT_5 23657	27.95 2.19 0.00	24.54 1.78 0.00	23.20 1.50 0.00	22.97 1.52 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.51 2.09 0.00	30.65 2.43 0.00	31.18 2.63 -0.01	32.17 2.73 -0.46	33.73 2.92 -0.72	35.48 2.97 -0.97	40.65 3.23 -2.72	41.92 3.34 -0.64	43.30 4.12 -0.35	44.67 4.13 -0.47	49.30 4.40 0.00	61.43 6.17 -0.63	63.12 6.41 0.00	56.44 5.46 0.00	51.68 4.83 0.00	43.10 3.88 0.00	35.84 2.84 0.00	31.59 2.56 0.00
HUDSON_AVE_10 24168	27.90 2.14 0.00	24.50 1.73 0.00	23.14 1.43 0.00	22.93 1.48 0.00	22.96 1.38 0.00	24.58 1.76 0.00	28.45 2.03 0.00	30.59 2.37 0.00	31.12 2.57 -0.01	32.12 2.67 -0.46	33.67 2.86 -0.72	35.38 2.87 -0.97	40.55 3.12 -2.72	41.81 3.23 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.32 6.06 -0.63	63.01 6.30 0.00	56.34 5.35 0.00	51.59 4.73 0.00	42.98 3.76 0.00	35.77 2.77 0.00	31.54 2.50 0.00
HUDSON___115KV_TB 4 355613	27.03 1.26 0.00	24.04 1.27 0.00	22.83 1.13 0.00	22.54 1.09 0.00	22.61 1.04 0.00	24.06 1.23 0.00	27.72 1.29 0.00	29.24 1.02 0.00	29.40 0.86 0.00	29.61 0.75 0.13	30.64 0.75 0.21	31.95 0.69 0.28	35.23 0.94 0.41	38.86 1.10 0.19	40.25 1.51 0.10	41.66 1.72 0.14	47.06 2.16 0.00	57.56 3.11 0.19	60.11 3.40 0.00	54.10 3.11 0.00	49.76 2.91 0.00	41.49 2.27 0.00	34.42 1.42 0.00	30.26 1.22 0.00
HUNTER MOUNT___DRP 323613	27.13 1.37 0.00	24.13 1.37 0.00	22.92 1.22 0.00	22.63 1.18 0.00	22.70 1.12 0.00	24.13 1.30 0.00	27.79 1.37 0.00	29.21 0.99 0.00	29.34 0.80 0.00	29.63 0.70 0.05	30.70 0.69 0.08	32.06 0.63 0.11	35.51 0.97 0.16	39.05 1.18 0.07	40.35 1.55 0.04	41.82 1.80 0.05	47.19 2.29 0.00	57.94 3.39 0.07	60.34 3.63 0.00	54.30 3.31 0.00	50.00 3.14 0.00	41.61 2.39 0.00	34.45 1.45 0.00	30.26 1.22 0.00
HUNTINGTON_RES_REC 323705	28.39 2.63 0.00	24.98 2.21 0.00	23.77 2.06 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.59 2.17 0.00	30.71 2.48 0.00	31.13 2.57 -0.01	31.97 2.52 -0.46	33.67 2.86 -0.72	35.06 2.55 -0.97	38.56 2.46 -1.39	41.05 2.46 -0.64	42.33 3.14 -0.35	43.99 3.45 -0.47	48.63 3.72 0.00	60.78 5.52 -0.63	62.95 6.24 0.00	56.60 5.61 0.00	51.54 4.69 0.00	43.17 3.96 0.00	35.38 2.38 0.00	32.06 3.02 0.00
HUNTLEY___63 23557	25.45 -0.31 0.00	22.22 -0.55 0.00	20.81 -0.89 0.00	20.55 -0.90 0.00	20.50 -1.08 0.00	22.09 -0.73 0.00	24.94 -0.71 0.77	26.45 -0.56 1.21	27.59 -0.20 0.76	27.74 -0.32 0.93	28.71 -0.30 1.08	29.98 -0.38 1.18	32.23 -0.80 1.67	35.37 -0.57 2.01	36.20 -0.50 2.13	37.09 -0.68 2.30	42.83 -0.04 2.02	49.58 -0.98 4.07	50.01 -1.81 4.89	45.47 -1.38 4.14	41.94 -1.45 3.47	35.43 -1.22 2.57	30.38 -0.89 1.73	27.51 -0.61 0.92
HUNTLEY___64 23558	25.45 -0.31 0.00	22.22 -0.55 0.00	20.81 -0.89 0.00	20.55 -0.90 0.00	20.50 -1.08 0.00	22.09 -0.73 0.00	24.94 -0.71 0.77	26.45 -0.56 1.21	27.59 -0.20 0.76	27.74 -0.32 0.93	28.71 -0.30 1.08	29.98 -0.38 1.18	32.23 -0.80 1.67	35.37 -0.57 2.01	36.20 -0.50 2.13	37.09 -0.68 2.30	42.83 -0.04 2.02	49.58 -0.98 4.07	50.01 -1.81 4.89	45.47 -1.38 4.14	41.94 -1.45 3.47	35.43 -1.22 2.57	30.38 -0.89 1.73	27.51 -0.61 0.92
HUNTLEY___65 23559	25.45 -0.31 0.00	22.22 -0.55 0.00	20.81 -0.89 0.00	20.55 -0.90 0.00	20.50 -1.08 0.00	22.09 -0.73 0.00	24.94 -0.71 0.77	26.45 -0.56 1.21	27.59 -0.20 0.76	27.74 -0.32 0.93	28.71 -0.30 1.08	29.98 -0.38 1.18	32.23 -0.80 1.67	35.37 -0.57 2.01	36.20 -0.50 2.13	37.09 -0.68 2.30	42.83 -0.04 2.02	49.58 -0.98 4.07	50.01 -1.81 4.89	45.47 -1.38 4.14	41.94 -1.45 3.47	35.43 -1.22 2.57	30.38 -0.89 1.73	27.51 -0.61 0.92
HUNTLEY___66 23560	25.45 -0.31 0.00	22.22 -0.55 0.00	20.81 -0.89 0.00	20.55 -0.90 0.00	20.50 -1.08 0.00	22.09 -0.73 0.00	24.94 -0.71 0.77	26.45 -0.56 1.21	27.59 -0.20 0.76	27.74 -0.32 0.93	28.71 -0.30 1.08	29.98 -0.38 1.18	32.23 -0.80 1.67	35.37 -0.57 2.01	36.20 -0.50 2.13	37.09 -0.68 2.30	42.83 -0.04 2.02	49.58 -0.98 4.07	50.01 -1.81 4.89	45.47 -1.38 4.14	41.94 -1.45 3.47	35.43 -1.22 2.57	30.38 -0.89 1.73	27.51 -0.61 0.92
HUNTLEY___67 23561	25.35 -0.41 0.00	22.13 -0.64 0.00	20.75 -0.95 0.00	20.48 -0.97 0.00	20.43 -1.14 0.00	22.00 -0.82 0.00	24.84 -0.82 0.76	26.29 -0.73 1.20	27.43 -0.37 0.75	27.61 -0.46 0.92	28.51 -0.51 1.07	29.77 -0.60 1.17	32.04 -1.01 1.66	35.12 -0.83 1.99	35.91 -0.82 2.11	36.83 -0.96 2.28	42.54 -0.36 2.00	49.29 -1.31 4.03	49.77 -2.10 4.84	45.25 -1.63 4.10	41.73 -1.69 3.43	35.30 -1.37 2.55	30.26 -1.02 1.71	27.43 -0.70 0.91



HUNTLEY___68 23562	25.35 -0.41 0.00	22.13 -0.64 0.00	20.75 -0.95 0.00	20.48 -0.97 0.00	20.43 -1.14 0.00	22.00 -0.82 0.00	24.84 -0.82 0.76	26.29 -0.73 1.20	27.43 -0.37 0.75	27.61 -0.46 0.92	28.51 -0.51 1.07	29.77 -0.60 1.17	32.04 -1.01 1.66	35.12 -0.83 1.99	35.91 -0.82 2.11	36.83 -0.96 2.28	42.54 -0.36 2.00	49.29 -1.31 4.03	49.77 -2.10 4.84	45.25 -1.63 4.10	41.73 -1.69 3.43	35.30 -1.37 2.55	30.26 -1.02 1.71	27.43 -0.70 0.91
HYLAND___LFGE 323620	26.82 1.06 0.00	23.47 0.71 0.00	22.27 0.56 0.00	21.66 0.21 0.00	22.07 0.50 0.00	23.39 0.57 0.00	26.94 1.19 0.67	28.55 1.38 1.05	29.06 1.17 0.66	29.20 1.01 0.80	29.82 0.66 0.94	31.12 0.60 1.02	33.25 0.00 1.45	35.14 -1.06 1.74	36.02 -0.97 1.84	37.28 -0.80 2.00	43.33 0.18 1.75	51.65 0.55 3.52	53.27 0.79 4.24	48.78 1.38 3.59	45.16 1.31 3.00	38.05 1.06 2.23	33.38 1.88 1.50	29.61 1.37 0.80
INDECK___CORINTH 23802	26.56 0.80 0.00	23.47 0.71 0.00	22.55 0.85 0.00	22.18 0.73 0.00	22.42 0.84 0.00	23.69 0.87 0.00	27.40 0.98 0.00	29.15 0.93 0.00	29.43 0.89 0.00	29.50 0.75 0.25	30.35 0.63 0.38	31.43 0.41 0.52	34.54 0.59 0.75	38.32 0.72 0.34	39.43 0.78 0.19	41.03 1.20 0.25	46.43 1.53 0.00	56.48 2.19 0.34	58.98 2.27 0.00	53.28 2.30 0.00	48.92 2.06 0.00	40.70 1.49 0.00	34.09 1.09 0.00	30.00 0.96 0.00
INDECK___ILION 23567	26.00 0.23 0.00	22.97 0.20 0.00	21.86 0.15 0.00	21.60 0.15 0.00	21.71 0.13 0.00	23.03 0.21 0.00	26.66 0.24 0.00	28.47 0.25 0.00	28.80 0.26 0.00	29.25 0.26 0.00	30.40 0.30 0.00	31.86 0.32 0.00	35.01 0.31 0.00	38.32 0.38 0.00	39.34 0.50 0.00	40.52 0.44 0.00	45.44 0.54 0.00	55.34 0.71 0.00	57.73 0.79 -0.23	51.89 0.71 -0.19	47.63 0.61 -0.16	39.72 0.51 0.00	33.33 0.33 0.00	29.33 0.29 0.00
INDECK___OLEAN 23982	25.95 0.18 0.00	22.56 -0.21 0.00	21.62 -0.09 0.00	20.85 -0.60 0.00	21.36 -0.22 0.00	22.60 -0.23 0.00	24.60 -1.16 0.65	26.29 -0.90 1.03	27.33 -0.57 0.64	27.53 -0.67 0.79	28.48 -0.69 0.92	29.72 -0.82 1.01	32.03 -1.25 1.43	35.40 -0.83 1.71	36.33 -0.70 1.81	36.87 -1.24 1.96	42.51 -0.67 1.72	49.58 -1.59 3.46	50.28 -2.27 4.16	45.67 -1.79 3.53	41.75 -2.15 2.95	35.53 -1.49 2.19	30.54 -0.99 1.47	27.12 -1.13 0.78
INDECK___OSWEGO 23783	25.35 -0.41 0.00	22.33 -0.43 0.00	21.29 -0.41 0.00	20.93 -0.51 0.00	21.15 -0.43 0.00	22.37 -0.46 0.00	27.05 -0.42 -1.05	29.48 -0.40 -1.66	29.18 -0.40 -1.03	29.88 -0.38 -1.27	31.15 -0.42 -1.48	32.75 -0.41 -1.62	36.47 -0.52 -2.29	39.89 -0.80 -2.74	40.97 -0.78 -2.91	42.51 -0.72 -3.15	47.04 -0.63 -2.77	59.31 -0.88 -5.56	62.30 -0.96 -6.56	55.78 -0.76 -5.55	50.76 -0.75 -4.65	42.07 -0.67 -3.52	34.97 -0.39 -2.37	29.89 -0.41 -1.26
INDECK___YERKES 23781	25.48 -0.28 0.00	22.24 -0.52 0.00	21.23 -0.48 0.00	20.57 -0.88 0.00	20.93 -0.65 0.00	22.12 -0.71 0.00	24.97 -0.69 0.77	26.47 -0.54 1.21	27.62 -0.17 0.76	27.77 -0.29 0.93	28.74 -0.27 1.08	30.02 -0.35 1.18	32.19 -0.83 1.67	35.44 -0.49 2.01	36.32 -0.39 2.13	37.13 -0.64 2.30	42.92 0.04 2.02	49.63 -0.93 4.07	50.06 -1.76 4.89	45.57 -1.27 4.14	41.98 -1.40 3.47	35.47 -1.18 2.57	30.71 -0.56 1.73	27.57 -0.55 0.92
INDIAN POINT_GT_1 24139	27.62 1.85 0.00	24.32 1.55 0.00	22.98 1.28 0.00	22.76 1.31 0.00	22.79 1.21 0.00	24.40 1.57 0.00	28.16 1.74 0.00	30.20 1.98 0.00	30.70 2.14 -0.01	31.65 2.20 -0.45	33.18 2.38 -0.71	34.86 2.37 -0.96	38.69 2.60 -1.38	41.31 2.73 -0.63	42.63 3.46 -0.34	44.02 3.49 -0.46	48.72 3.82 0.00	60.55 5.30 -0.62	62.27 5.56 0.00	55.68 4.69 0.00	50.98 4.12 0.00	42.47 3.25 0.00	35.31 2.31 0.00	31.16 2.12 0.00
INDIAN POINT_GT_2 23659	27.62 1.85 0.00	24.32 1.55 0.00	22.98 1.28 0.00	22.76 1.31 0.00	22.79 1.21 0.00	24.40 1.57 0.00	28.16 1.74 0.00	30.20 1.98 0.00	30.70 2.14 -0.01	31.65 2.20 -0.45	33.18 2.38 -0.71	34.86 2.37 -0.96	38.69 2.60 -1.38	41.31 2.73 -0.63	42.63 3.46 -0.34	44.02 3.49 -0.46	48.72 3.82 0.00	60.55 5.30 -0.62	62.27 5.56 0.00	55.68 4.69 0.00	50.98 4.12 0.00	42.47 3.25 0.00	35.31 2.31 0.00	31.16 2.12 0.00
INDIAN POINT_GT_3 24019	27.62 1.85 0.00	24.32 1.55 0.00	22.98 1.28 0.00	22.76 1.31 0.00	22.79 1.21 0.00	24.40 1.57 0.00	28.16 1.74 0.00	30.20 1.98 0.00	30.70 2.14 -0.01	31.65 2.20 -0.45	33.18 2.38 -0.71	34.86 2.37 -0.96	38.69 2.60 -1.38	41.31 2.73 -0.63	42.63 3.46 -0.34	44.02 3.49 -0.46	48.72 3.82 0.00	60.55 5.30 -0.62	62.27 5.56 0.00	55.68 4.69 0.00	50.98 4.12 0.00	42.47 3.25 0.00	35.31 2.31 0.00	31.16 2.12 0.00
INDIAN POINT___2 23530	27.59 1.83 0.00	24.29 1.53 0.00	23.18 1.48 0.00	22.73 1.29 0.00	23.07 1.49 0.00	24.38 1.55 0.00	28.14 1.72 0.00	30.17 1.95 0.00	30.67 2.11 -0.01	31.61 2.18 -0.44	33.13 2.35 -0.69	34.78 2.30 -0.93	38.58 2.53 -1.35	41.25 2.69 -0.62	42.55 3.38 -0.33	43.97 3.45 -0.45	48.63 3.72 0.00	60.43 5.19 -0.61	62.10 5.39 0.00	55.63 4.64 0.00	50.89 4.03 0.00	42.39 3.17 0.00	35.18 2.18 0.00	31.10 2.06 0.00
INDIAN POINT___3 23531	27.57 1.80 0.00	24.29 1.53 0.00	22.96 1.26 0.00	22.73 1.29 0.00	22.76 1.19 0.00	24.38 1.55 0.00	28.11 1.69 0.00	30.14 1.92 0.00	30.64 2.08 -0.01	31.59 2.15 -0.45	33.12 2.32 -0.71	34.77 2.27 -0.96	38.59 2.50 -1.38	41.19 2.62 -0.63	42.48 3.30 -0.34	43.90 3.37 -0.46	48.54 3.64 0.00	60.33 5.08 -0.62	62.04 5.33 0.00	55.47 4.49 0.00	50.84 3.98 0.00	42.35 3.14 0.00	35.21 2.21 0.00	31.10 2.06 0.00
INGHAM_C_115KV_TB7 356103	25.79 0.03 0.00	22.79 0.02 0.00	21.70 0.00 0.00	21.45 0.00 0.00	21.56 -0.02 0.00	22.89 0.07 0.00	26.50 0.08 0.00	28.31 0.08 0.00	28.63 0.09 0.00	29.11 0.12 0.00	30.25 0.15 0.00	31.70 0.16 0.00	34.81 0.10 0.00	38.06 0.11 0.00	39.07 0.23 0.00	40.16 0.08 0.00	45.04 0.13 0.00	54.85 0.22 0.00	57.22 0.28 -0.23	51.43 0.25 -0.19	47.21 0.19 -0.16	39.37 0.16 0.00	33.10 0.10 0.00	29.16 0.12 0.00
IP CORINTH___1 23988	26.69 0.93 0.00	23.61 0.84 0.00	22.55 0.85 0.00	22.28 0.84 0.00	22.38 0.80 0.00	23.81 0.98 0.00	27.56 1.14 0.00	29.29 1.07 0.00	29.57 1.03 0.00	29.67 0.93 0.25	30.50 0.78 0.38	31.59 0.57 0.52	34.75 0.80 0.75	38.51 0.91 0.34	39.66 1.01 0.19	41.11 1.28 0.25	46.70 1.80 0.00	56.80 2.51 0.34	59.32 2.61 0.00	53.59 2.60 0.00	49.20 2.34 0.00	40.94 1.73 0.00	34.29 1.29 0.00	30.17 1.13 0.00
IP___TICONDEROGA 23804	28.03 2.27 0.00	24.75 1.98 0.00	23.61 1.91 0.00	23.29 1.84 0.00	23.39 1.81 0.00	24.90 2.08 0.00	28.88 2.46 0.00	30.68 2.46 0.00	30.97 2.43 0.00	30.97 2.23 0.25	31.75 2.05 0.39	33.00 1.99 0.53	36.40 2.46 0.77	40.40 2.81 0.35	41.72 3.07 0.19	43.43 3.61 0.26	49.61 4.71 0.00	60.46 6.17 0.35	63.01 6.30 0.00	57.21 6.22 0.00	52.43 5.58 0.00	43.53 4.31 0.00	36.23 3.23 0.00	31.80 2.76 0.00



ISLIP_RES_REC 323679	28.65 2.88 0.00	25.23 2.46 0.00	23.96 2.26 0.00	23.46 2.02 0.00	23.84 2.27 0.00	25.22 2.40 0.00	28.77 2.35 0.00	30.90 2.68 0.00	31.30 2.74 -0.01	32.14 2.70 -0.46	33.88 3.07 -0.72	35.48 2.96 -0.97	39.11 3.02 -1.39	41.62 3.04 -0.64	42.91 3.73 -0.35	44.63 4.09 -0.47	49.39 4.49 0.00	61.76 6.50 -0.63	64.03 7.32 0.00	57.61 6.63 0.00	52.43 5.57 0.00	43.84 4.63 0.00	35.84 2.84 0.00	32.29 3.25 0.00
JAMAICA__27_KV_LOAD 355505	28.03 2.27 0.00	24.57 1.80 0.00	23.20 1.50 0.00	22.99 1.54 0.00	23.00 1.42 0.00	24.65 1.83 0.00	28.59 2.17 0.00	30.79 2.57 0.00	31.32 2.77 -0.01	32.29 2.84 -0.46	33.82 3.01 -0.72	35.51 3.00 -0.97	40.69 3.26 -2.72	41.96 3.38 -0.64	43.34 4.16 -0.35	44.75 4.21 -0.47	49.39 4.49 0.00	61.71 6.45 -0.63	63.46 6.75 0.00	56.80 5.81 0.00	51.96 5.11 0.00	43.25 4.04 0.00	36.04 3.04 0.00	31.74 2.70 0.00
JANIS___SOLAR 323808	27.21 1.44 0.00	23.88 1.12 0.00	22.72 1.02 0.00	22.22 0.77 0.00	22.55 0.97 0.00	23.92 1.10 0.00	27.76 1.53 0.19	29.61 1.69 0.31	29.92 1.57 0.19	30.23 1.42 0.18	31.26 1.36 0.19	32.84 1.48 0.18	36.04 1.60 0.26	39.56 2.05 0.43	40.63 2.29 0.50	42.19 2.64 0.53	48.02 3.64 0.51	58.15 4.48 0.96	60.29 4.82 1.24	54.47 4.54 1.05	49.96 3.98 0.88	41.66 3.10 0.65	34.94 2.38 0.44	30.69 1.89 0.23
JARVIS____ 23743	26.02 0.26 0.00	23.00 0.23 0.00	21.92 0.22 0.00	21.62 0.17 0.00	21.79 0.22 0.00	23.05 0.23 0.00	26.66 0.24 0.00	28.47 0.25 0.00	28.80 0.26 0.00	29.25 0.26 0.00	30.37 0.27 0.00	31.83 0.28 0.00	34.98 0.28 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.56 0.48 0.00	45.44 0.54 0.00	55.34 0.71 0.00	57.73 0.79 -0.23	51.89 0.71 -0.19	47.67 0.66 -0.16	39.72 0.51 0.00	33.30 0.30 0.00	29.33 0.29 0.00
JENNISON___1 23625	27.41 1.65 0.00	24.09 1.32 0.00	22.77 1.06 0.00	22.43 0.99 0.00	22.53 0.95 0.00	24.15 1.32 0.00	27.94 1.69 0.17	29.87 1.92 0.27	30.26 1.88 0.17	30.70 1.86 0.14	31.85 1.90 0.14	33.54 2.11 0.12	36.82 2.29 0.17	40.36 2.77 0.36	41.55 3.15 0.43	43.03 3.41 0.45	48.66 4.22 0.46	58.88 5.08 0.83	60.82 5.22 1.11	54.79 4.74 0.94	50.15 4.08 0.79	41.93 3.29 0.58	35.05 2.44 0.39	30.86 2.03 0.21
JENNISON___2 23626	27.41 1.65 0.00	24.09 1.32 0.00	22.77 1.06 0.00	22.43 0.99 0.00	22.53 0.95 0.00	24.15 1.32 0.00	27.94 1.69 0.17	29.87 1.92 0.27	30.26 1.88 0.17	30.70 1.86 0.14	31.85 1.90 0.14	33.54 2.11 0.12	36.82 2.29 0.17	40.36 2.77 0.36	41.55 3.15 0.43	43.03 3.41 0.45	48.66 4.22 0.46	58.88 5.08 0.83	60.82 5.22 1.11	54.79 4.74 0.94	50.15 4.08 0.79	41.93 3.29 0.58	35.05 2.44 0.39	30.86 2.03 0.21
JERICHO_RISE_WT_PWR 323719	24.99 -0.77 0.00	22.09 -0.68 0.00	21.05 -0.65 0.00	20.95 -0.49 0.00	20.95 -0.63 0.00	22.25 -0.57 0.00	25.95 -0.47 0.00	27.85 -0.37 0.00	28.26 -0.29 0.00	28.76 -0.23 0.00	29.77 -0.33 0.00	31.29 -0.25 0.00	34.56 -0.14 0.00	37.68 -0.26 0.00	38.29 -0.54 0.00	38.91 -1.16 0.00	43.33 -1.57 0.00	52.55 -2.08 0.00	49.88 -2.27 4.57	44.93 -2.19 3.87	41.65 -1.97 3.24	37.49 -1.72 0.00	31.84 -1.16 0.00	27.91 -1.13 0.00
KATONAH__115KV_46KV_TB4 355592	27.75 1.98 0.00	24.43 1.66 0.00	23.11 1.41 0.00	22.88 1.44 0.00	22.92 1.34 0.00	24.51 1.69 0.00	28.27 1.85 0.00	30.34 2.12 0.00	30.87 2.31 -0.01	31.82 2.38 -0.46	33.37 2.56 -0.71	35.19 2.68 -0.97	39.08 2.98 -1.40	41.73 3.15 -0.64	43.10 3.92 -0.35	44.51 3.97 -0.46	49.30 4.40 0.00	61.32 6.06 -0.63	62.95 6.24 0.00	56.29 5.30 0.00	51.59 4.73 0.00	42.86 3.65 0.00	35.57 2.57 0.00	31.33 2.29 0.00
KCE_NY_1 323755	27.05 1.29 0.00	23.93 1.16 0.00	22.88 1.17 0.00	22.50 1.05 0.00	22.74 1.16 0.00	24.01 1.19 0.00	27.71 1.29 0.00	29.49 1.27 0.00	29.74 1.20 0.01	29.86 1.13 0.26	30.77 1.08 0.40	32.10 1.10 0.55	35.20 1.28 0.79	39.06 1.48 0.36	40.39 1.75 0.20	41.89 2.08 0.26	47.37 2.47 0.00	57.55 3.28 0.36	60.11 3.40 0.00	54.25 3.27 0.00	49.86 3.00 0.00	41.57 2.35 0.00	34.68 1.68 0.00	30.52 1.48 0.00
KCE_NY_6_ESR 323823	25.74 -0.03 0.00	22.45 -0.32 0.00	21.44 -0.26 0.00	20.76 -0.69 0.00	21.12 -0.45 0.00	22.34 -0.48 0.00	25.03 -0.66 0.73	26.61 -0.45 1.16	27.74 -0.09 0.72	27.90 -0.20 0.89	28.88 -0.18 1.03	30.13 -0.28 1.13	32.37 -0.73 1.60	35.69 -0.34 1.92	36.57 -0.23 2.03	37.44 -0.44 2.20	43.19 0.23 1.93	50.15 -0.60 3.88	50.68 -1.36 4.67	46.06 -0.97 3.95	42.37 -1.17 3.31	35.78 -0.98 2.46	30.88 -0.46 1.65	27.64 -0.52 0.88
KEDC_PORT_JEFF_GT2 24210	28.52 2.76 0.00	25.09 2.32 0.00	23.85 2.15 0.00	23.36 1.91 0.00	23.71 2.14 0.00	25.08 2.26 0.00	28.61 2.19 0.00	30.73 2.51 0.00	31.13 2.57 -0.01	31.97 2.52 -0.46	33.70 2.89 -0.72	35.25 2.74 -0.97	38.87 2.78 -1.39	41.28 2.69 -0.64	42.45 3.26 -0.35	44.11 3.57 -0.47	48.67 3.77 0.00	60.89 5.63 -0.63	63.06 6.35 0.00	56.75 5.76 0.00	51.64 4.78 0.00	43.37 4.15 0.00	35.54 2.54 0.00	32.09 3.05 0.00
KEDC_PORT_JEFF_GT3 24211	28.52 2.76 0.00	25.09 2.32 0.00	23.85 2.15 0.00	23.36 1.91 0.00	23.71 2.14 0.00	25.08 2.26 0.00	28.61 2.19 0.00	30.73 2.51 0.00	31.13 2.57 -0.01	31.97 2.52 -0.46	33.70 2.89 -0.72	35.25 2.74 -0.97	38.87 2.78 -1.39	41.28 2.69 -0.64	42.45 3.26 -0.35	44.11 3.57 -0.47	48.67 3.77 0.00	60.89 5.63 -0.63	63.06 6.35 0.00	56.75 5.76 0.00	51.64 4.78 0.00	43.37 4.15 0.00	35.54 2.54 0.00	32.09 3.05 0.00
KEDC_GLWD_GT4 24219	28.13 2.37 0.00	24.73 1.96 0.00	23.57 1.87 0.00	23.10 1.65 0.00	23.45 1.88 0.00	24.79 1.96 0.00	28.53 2.11 0.00	30.65 2.43 0.00	31.13 2.57 -0.01	32.06 2.61 -0.46	33.73 2.92 -0.72	35.38 2.87 -0.97	39.15 3.05 -1.39	41.81 3.22 -0.64	43.15 3.96 -0.35	44.35 3.81 -0.47	48.99 4.09 0.00	61.00 5.73 -0.63	62.90 6.18 0.00	56.39 5.40 0.00	51.50 4.64 0.00	43.29 4.08 0.00	35.64 2.64 0.00	31.80 2.76 0.00
KEDC_GLWD_GT5 24220	28.13 2.37 0.00	24.73 1.96 0.00	23.57 1.87 0.00	23.10 1.65 0.00	23.45 1.88 0.00	24.79 1.96 0.00	28.53 2.11 0.00	30.65 2.43 0.00	31.13 2.57 -0.01	32.06 2.61 -0.46	33.73 2.92 -0.72	35.38 2.87 -0.97	39.15 3.05 -1.39	41.81 3.22 -0.64	43.15 3.96 -0.35	44.35 3.81 -0.47	48.99 4.09 0.00	61.00 5.73 -0.63	62.90 6.18 0.00	56.39 5.40 0.00	51.50 4.64 0.00	43.29 4.08 0.00	35.64 2.64 0.00	31.80 2.76 0.00
KENSICO____ 23655	27.70 1.93 0.00	24.38 1.62 0.00	23.05 1.35 0.00	22.84 1.39 0.00	22.87 1.29 0.00	24.47 1.64 0.00	28.27 1.85 0.00	30.31 2.09 0.00	30.81 2.26 -0.01	31.80 2.35 -0.46	33.31 2.50 -0.71	35.03 2.52 -0.97	38.88 2.78 -1.40	41.47 2.88 -0.64	42.79 3.61 -0.35	44.19 3.65 -0.47	48.85 3.95 0.00	60.78 5.52 -0.63	62.50 5.78 0.00	55.88 4.89 0.00	51.17 4.31 0.00	42.67 3.45 0.00	35.44 2.44 0.00	31.28 2.24 0.00



KERHONKS_69_KV_TR1_REV_LBMP_G 345021	27.72 1.96 0.00	24.32 1.55 0.00	22.96 1.26 0.00	22.69 1.24 0.00	22.74 1.17 0.00	24.38 1.55 0.00	28.16 1.74 0.00	30.14 1.92 0.00	30.61 2.06 -0.01	31.32 2.06 -0.27	32.71 2.20 -0.42	34.32 2.21 -0.56	37.98 2.46 -0.82	40.94 2.62 -0.37	42.38 3.34 -0.20	43.87 3.53 -0.27	48.90 4.00 0.00	60.73 5.74 -0.37	62.89 6.18 0.00	56.24 5.25 0.00	51.45 4.59 0.00	42.74 3.53 0.00	35.24 2.24 0.00	31.07 2.03 0.00
KIAC_JFK_GT1 23816	27.90 2.14 0.00	24.45 1.68 0.00	23.09 1.39 0.00	22.88 1.44 0.00	22.89 1.32 0.00	24.54 1.71 0.00	28.45 2.03 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.12 2.67 -0.46	33.64 2.83 -0.72	35.32 2.81 -0.97	40.34 2.91 -2.72	41.58 3.00 -0.64	42.95 3.77 -0.35	44.35 3.81 -0.47	48.90 4.00 0.00	61.11 5.85 -0.63	62.84 6.12 0.00	56.24 5.25 0.00	51.45 4.59 0.00	42.82 3.61 0.00	35.84 2.84 0.00	31.57 2.53 0.00
KIAC_JFK_GT2 23817	27.90 2.14 0.00	24.45 1.68 0.00	23.09 1.39 0.00	22.88 1.44 0.00	22.89 1.32 0.00	24.54 1.71 0.00	28.45 2.03 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.12 2.67 -0.46	33.64 2.83 -0.72	35.32 2.81 -0.97	40.34 2.91 -2.72	41.58 3.00 -0.64	42.95 3.77 -0.35	44.35 3.81 -0.47	48.90 4.00 0.00	61.11 5.85 -0.63	62.84 6.12 0.00	56.24 5.25 0.00	51.45 4.59 0.00	42.82 3.61 0.00	35.84 2.84 0.00	31.57 2.53 0.00
KIAC_JFK____ 323774	27.90 2.14 0.00	24.43 1.66 0.00	23.31 1.61 0.00	22.88 1.44 0.00	23.20 1.62 0.00	24.54 1.71 0.00	28.45 2.03 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.11 2.67 -0.46	33.64 2.83 -0.72	35.32 2.81 -0.97	40.34 2.92 -2.72	41.66 3.07 -0.64	42.99 3.81 -0.35	44.39 3.85 -0.47	48.94 4.04 0.00	61.11 5.85 -0.63	62.84 6.13 0.00	56.29 5.30 0.00	51.50 4.64 0.00	42.82 3.61 0.00	35.77 2.77 0.00	31.56 2.53 0.00
KINTIGH____ 23543	25.20 -0.57 0.00	22.06 -0.71 0.00	20.71 -1.00 0.00	20.46 -0.99 0.00	20.43 -1.14 0.00	21.93 -0.89 0.00	25.02 -0.55 0.85	26.37 -0.51 1.34	27.48 -0.23 0.84	27.67 -0.29 1.03	28.60 -0.30 1.20	29.89 -0.35 1.31	32.12 -0.73 1.85	35.16 -0.57 2.22	35.90 -0.58 2.35	36.85 -0.68 2.55	42.57 -0.09 2.24	49.21 -0.93 4.49	49.72 -1.59 5.40	45.24 -1.17 4.58	41.80 -1.22 3.83	35.39 -0.98 2.84	30.36 -0.73 1.91	27.59 -0.44 1.02
KNTFSRNC_46_KV_46KV_LOAD 80397	25.25 -0.52 0.00	22.29 -0.48 0.00	21.47 -0.24 0.00	21.10 -0.34 0.00	21.41 -0.17 0.00	22.50 -0.32 0.00	26.34 -0.08 0.00	28.33 0.11 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.28 0.18 0.00	31.80 0.25 0.00	35.22 0.52 0.00	38.32 0.38 0.00	38.95 0.12 0.00	39.39 -0.68 0.00	43.69 -1.21 0.00	52.94 -1.69 0.00	50.10 -1.98 4.62	45.03 -2.04 3.92	41.89 -1.69 3.28	37.61 -1.61 0.00	32.11 -0.89 0.00	28.11 -0.93 0.00
LACHUTE____HYDRO 323717	28.03 2.27 0.00	24.75 1.98 0.00	23.72 2.02 0.00	23.29 1.84 0.00	23.59 2.01 0.00	24.90 2.08 0.00	28.88 2.46 0.00	30.68 2.45 0.00	30.97 2.43 0.00	30.97 2.23 0.25	31.75 2.05 0.39	33.06 2.05 0.53	36.40 2.46 0.77	40.48 2.88 0.35	41.71 3.07 0.19	43.71 3.89 0.26	49.61 4.71 0.00	60.45 6.17 0.35	63.01 6.29 0.00	57.20 6.22 0.00	52.43 5.57 0.00	43.53 4.31 0.00	36.20 3.20 0.00	31.80 2.76 0.00
LAWRNCALV_115KV_TB1 80681	25.30 -0.46 0.00	22.38 -0.39 0.00	21.53 -0.17 0.00	21.21 -0.24 0.00	21.47 -0.11 0.00	22.48 -0.34 0.00	26.10 -0.32 0.00	27.91 -0.31 0.00	28.12 -0.43 0.00	28.41 -0.58 0.00	29.46 -0.63 0.00	31.13 -0.41 0.00	34.42 -0.28 0.00	37.60 -0.34 0.00	38.10 -0.74 0.00	39.19 -0.88 0.00	42.79 -2.11 0.00	51.51 -3.11 0.00	49.63 -3.18 3.91	44.98 -2.70 3.31	41.65 -2.44 2.77	38.16 -1.06 0.00	32.47 -0.53 0.00	28.52 -0.52 0.00
LEDERLE____ 23769	27.67 1.91 0.00	24.36 1.59 0.00	23.01 1.30 0.00	22.78 1.33 0.00	22.81 1.23 0.00	24.44 1.62 0.00	28.19 1.77 0.00	30.22 2.00 0.00	30.72 2.17 -0.01	31.65 2.23 -0.43	33.18 2.41 -0.67	34.85 2.40 -0.91	38.66 2.64 -1.32	41.32 2.77 -0.60	42.66 3.50 -0.33	44.12 3.61 -0.44	48.81 3.91 0.00	60.58 5.35 -0.59	62.27 5.56 0.00	55.68 4.69 0.00	50.98 4.12 0.00	42.43 3.22 0.00	35.28 2.28 0.00	31.13 2.09 0.00
LIGHTHSE_115KV_TB6 355974	25.69 -0.08 0.00	22.61 -0.16 0.00	21.44 -0.26 0.00	21.15 -0.30 0.00	21.25 -0.32 0.00	22.64 -0.18 0.00	26.64 -0.05 -0.28	28.68 0.03 -0.43	28.82 0.00 -0.27	29.35 0.03 -0.33	30.48 0.00 -0.39	32.00 0.03 -0.42	35.23 -0.07 -0.60	38.66 0.00 -0.72	39.60 0.00 -0.76	40.98 0.08 -0.83	45.72 0.09 -0.72	56.14 0.05 -1.46	58.29 0.17 -1.40	52.58 0.41 -1.19	48.18 0.33 -1.00	40.33 0.20 -0.92	33.78 0.16 -0.62	29.40 0.03 -0.33
LINDEN COGEN____ 23786	27.83 2.06 0.00	24.43 1.66 0.00	23.31 1.61 0.00	22.88 1.44 0.00	23.20 1.62 0.00	24.56 1.73 0.00	28.40 1.98 0.00	30.54 2.31 0.00	31.10 2.54 -0.01	32.11 2.67 -0.46	33.61 2.80 -0.72	35.35 2.84 -0.97	40.51 3.09 -2.72	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.08 4.18 0.00	61.16 5.90 -0.63	62.84 6.13 0.00	56.24 5.25 0.00	51.45 4.59 0.00	42.90 3.69 0.00	35.61 2.61 0.00	31.48 2.44 0.00
LINDHRST_69_KV_BK1 356055	28.55 2.78 0.00	25.14 2.37 0.00	23.66 1.95 0.00	23.40 1.95 0.00	23.43 1.86 0.00	25.13 2.31 0.00	28.77 2.35 0.00	30.90 2.68 0.00	31.32 2.77 -0.01	32.17 2.73 -0.46	33.91 3.10 -0.72	35.51 3.00 -0.97	39.18 3.09 -1.39	41.66 3.07 -0.64	43.22 4.04 -0.35	44.71 4.17 -0.47	49.48 4.58 0.00	61.71 6.45 -0.63	63.91 7.20 0.00	57.36 6.37 0.00	52.34 5.48 0.00	43.88 4.67 0.00	36.13 3.13 0.00	32.29 3.25 0.00
LIPA_MISC_IPP 23656	28.39 2.63 0.00	25.02 2.25 0.00	23.53 1.82 0.00	23.25 1.80 0.00	23.30 1.73 0.00	24.99 2.17 0.00	28.48 2.06 0.00	30.59 2.37 0.00	30.95 2.40 -0.01	31.80 2.35 -0.46	33.52 2.71 -0.72	35.10 2.59 -0.97	38.70 2.60 -1.39	41.09 2.50 -0.64	42.48 3.30 -0.35	44.03 3.49 -0.47	48.76 3.86 0.00	61.05 5.79 -0.63	63.29 6.58 0.00	56.80 5.81 0.00	51.82 4.97 0.00	43.37 4.16 0.00	35.74 2.74 0.00	31.97 2.93 0.00
LISF____SOLAR 323691	28.44 2.68 0.00	25.02 2.25 0.00	23.79 2.08 0.00	23.29 1.84 0.00	23.65 2.07 0.00	25.04 2.21 0.00	28.53 2.11 0.00	30.62 2.40 0.00	30.98 2.43 -0.01	31.83 2.38 -0.46	33.58 2.77 -0.72	35.16 2.65 -0.97	38.73 2.64 -1.39	41.20 2.62 -0.64	42.48 3.30 -0.35	44.15 3.61 -0.47	48.90 3.99 0.00	61.22 5.96 -0.63	63.46 6.75 0.00	57.10 6.12 0.00	51.96 5.11 0.00	43.45 4.24 0.00	35.51 2.51 0.00	32.03 2.99 0.00
LITTLE FALLS____HYD 24013	25.79 0.03 0.00	22.79 0.02 0.00	21.70 0.00 0.00	21.45 0.00 0.00	21.56 -0.02 0.00	22.89 0.07 0.00	26.50 0.08 0.00	28.31 0.08 0.00	28.63 0.09 0.00	29.11 0.12 0.00	30.25 0.15 0.00	31.70 0.16 0.00	34.81 0.10 0.00	38.06 0.11 0.00	39.07 0.23 0.00	40.16 0.08 0.00	45.04 0.13 0.00	54.85 0.22 0.00	57.22 0.28 -0.23	51.43 0.25 -0.19	47.21 0.19 -0.16	39.37 0.16 0.00	33.10 0.10 0.00	29.16 0.12 0.00



LITTLRIV_115KV_TB1 356100	25.48 -0.28 0.00	22.54 -0.23 0.00	21.68 -0.02 0.00	21.36 -0.09 0.00	21.62 0.04 0.00	22.66 -0.16 0.00	26.34 -0.08 0.00	28.16 -0.06 0.00	28.32 -0.23 0.00	28.64 -0.35 0.00	29.70 -0.39 0.00	31.39 -0.16 0.00	34.70 0.00 0.00	37.87 -0.08 0.00	38.41 -0.43 0.00	39.51 -0.56 0.00	43.19 -1.71 0.00	52.01 -2.62 0.00	50.28 -2.61 3.82	45.61 -2.14 3.24	42.23 -1.92 2.71	38.55 -0.67 0.00	32.77 -0.23 0.00	28.75 -0.29 0.00
LI_NEWBRDGE___DRP 323616	28.11 2.34 0.00	24.75 1.98 0.00	23.31 1.61 0.00	23.06 1.61 0.00	23.11 1.53 0.00	24.76 1.94 0.00	28.40 1.98 0.00	30.51 2.29 0.00	30.92 2.37 -0.01	31.83 2.38 -0.46	33.52 2.71 -0.72	35.07 2.55 -0.97	38.77 2.67 -1.39	41.16 2.58 -0.64	42.64 3.46 -0.35	44.07 3.53 -0.47	48.67 3.77 0.00	60.78 5.52 -0.63	62.78 6.07 0.00	56.29 5.30 0.00	51.40 4.55 0.00	43.06 3.84 0.00	35.57 2.57 0.00	31.77 2.73 0.00
LOCKPORT_115KV_TB60_63_64 80432	25.27 -0.49 0.00	22.06 -0.71 0.00	20.68 -1.02 0.00	20.44 -1.01 0.00	20.39 -1.19 0.00	21.93 -0.89 0.00	24.84 -0.79 0.79	26.28 -0.71 1.24	27.43 -0.34 0.77	27.55 -0.49 0.95	28.48 -0.51 1.11	29.74 -0.60 1.21	31.95 -1.04 1.71	35.06 -0.83 2.05	35.84 -0.82 2.18	36.76 -0.96 2.35	42.47 -0.36 2.07	49.11 -1.37 4.16	49.56 -2.16 5.00	45.07 -1.68 4.23	41.62 -1.69 3.55	35.21 -1.37 2.63	30.21 -1.02 1.77	27.37 -0.73 0.94
LOCKPORT___CC1 323769	25.27 -0.49 0.00	22.09 -0.68 0.00	21.07 -0.63 0.00	20.44 -1.01 0.00	20.76 -0.82 0.00	21.93 -0.89 0.00	24.85 -0.79 0.78	26.28 -0.70 1.23	27.43 -0.34 0.77	27.55 -0.49 0.95	28.48 -0.51 1.10	29.74 -0.60 1.20	31.85 -1.14 1.71	35.03 -0.87 2.04	35.89 -0.78 2.17	36.73 -1.00 2.35	42.48 -0.36 2.06	49.07 -1.42 4.14	49.58 -2.16 4.98	45.13 -1.63 4.22	41.59 -1.73 3.53	35.22 -1.37 2.62	30.48 -0.76 1.76	27.40 -0.70 0.94
LOCKPORT___CC2 323770	25.27 -0.49 0.00	22.09 -0.68 0.00	21.07 -0.63 0.00	20.44 -1.01 0.00	20.76 -0.82 0.00	21.93 -0.89 0.00	24.85 -0.79 0.78	26.28 -0.70 1.23	27.43 -0.34 0.77	27.55 -0.49 0.95	28.48 -0.51 1.10	29.74 -0.60 1.20	31.85 -1.14 1.71	35.03 -0.87 2.04	35.89 -0.78 2.17	36.73 -1.00 2.35	42.48 -0.36 2.06	49.07 -1.42 4.14	49.58 -2.16 4.98	45.13 -1.63 4.22	41.59 -1.73 3.53	35.22 -1.37 2.62	30.48 -0.76 1.76	27.40 -0.70 0.94
LOCKPORT___CC3 323771	25.27 -0.49 0.00	22.09 -0.68 0.00	21.07 -0.63 0.00	20.44 -1.01 0.00	20.76 -0.82 0.00	21.93 -0.89 0.00	24.85 -0.79 0.78	26.28 -0.70 1.23	27.43 -0.34 0.77	27.55 -0.49 0.95	28.48 -0.51 1.10	29.74 -0.60 1.20	31.85 -1.14 1.71	35.03 -0.87 2.04	35.89 -0.78 2.17	36.73 -1.00 2.35	42.48 -0.36 2.06	49.07 -1.42 4.14	49.58 -2.16 4.98	45.13 -1.63 4.22	41.59 -1.73 3.53	35.22 -1.37 2.62	30.48 -0.76 1.76	27.40 -0.70 0.94
LONG_LAKE_PHOENIX 24014	25.53 -0.23 0.00	22.49 -0.27 0.00	21.31 -0.39 0.00	21.06 -0.39 0.00	21.15 -0.43 0.00	22.50 -0.32 0.00	26.76 -0.24 -0.58	28.96 -0.17 -0.91	28.94 -0.17 -0.57	29.54 -0.14 -0.70	30.73 -0.18 -0.81	32.27 -0.16 -0.89	35.68 -0.28 -1.26	39.26 -0.19 -1.51	40.28 -0.16 -1.60	41.77 -0.04 -1.73	46.65 0.22 -1.52	57.80 0.11 -3.06	60.45 0.06 -3.68	54.21 0.10 -3.12	49.51 0.05 -2.61	41.07 -0.08 -1.94	34.17 -0.13 -1.30	29.56 -0.17 -0.69
LOVETT___3 23632	27.52 1.75 0.00	24.25 1.48 0.00	22.92 1.22 0.00	22.69 1.24 0.00	22.72 1.14 0.00	24.35 1.53 0.00	28.06 1.64 0.00	30.08 1.86 0.00	30.55 2.00 -0.01	31.51 2.09 -0.43	33.00 2.23 -0.68	34.64 2.18 -0.92	38.35 2.33 -1.33	40.98 2.43 -0.61	42.31 3.15 -0.33	43.72 3.21 -0.44	48.40 3.50 0.00	60.14 4.92 -0.60	61.82 5.10 0.00	55.32 4.33 0.00	50.60 3.75 0.00	42.16 2.94 0.00	35.08 2.08 0.00	30.98 1.95 0.00
LOVETT___4 23642	27.52 1.75 0.00	24.25 1.48 0.00	22.92 1.22 0.00	22.69 1.24 0.00	22.72 1.14 0.00	24.35 1.53 0.00	28.06 1.64 0.00	30.08 1.86 0.00	30.55 2.00 -0.01	31.51 2.09 -0.43	33.00 2.23 -0.68	34.64 2.18 -0.92	38.35 2.33 -1.33	40.98 2.43 -0.61	42.31 3.15 -0.33	43.72 3.21 -0.44	48.40 3.50 0.00	60.14 4.92 -0.60	61.82 5.10 0.00	55.32 4.33 0.00	50.60 3.75 0.00	42.16 2.94 0.00	35.08 2.08 0.00	30.98 1.95 0.00
LOVETT___5 23593	27.52 1.75 0.00	24.25 1.48 0.00	22.92 1.22 0.00	22.69 1.24 0.00	22.72 1.14 0.00	24.35 1.53 0.00	28.06 1.64 0.00	30.08 1.86 0.00	30.55 2.00 -0.01	31.51 2.09 -0.43	33.00 2.23 -0.68	34.64 2.18 -0.92	38.35 2.33 -1.33	40.98 2.43 -0.61	42.31 3.15 -0.33	43.72 3.21 -0.44	48.40 3.50 0.00	60.14 4.92 -0.60	61.82 5.10 0.00	55.32 4.33 0.00	50.60 3.75 0.00	42.16 2.94 0.00	35.08 2.08 0.00	30.98 1.95 0.00
LOWER RAQUET___HYD 24057	25.30 -0.46 0.00	22.38 -0.39 0.00	21.31 -0.39 0.00	21.19 -0.26 0.00	21.19 -0.39 0.00	22.48 -0.34 0.00	26.13 -0.29 0.00	27.94 -0.28 0.00	28.09 -0.46 0.00	28.38 -0.61 0.00	29.43 -0.66 0.00	31.13 -0.41 0.00	34.46 -0.24 0.00	37.64 -0.30 0.00	38.18 -0.66 0.00	39.00 -1.08 0.00	42.79 -2.11 0.00	51.46 -3.17 0.00	49.74 -3.23 3.74	45.07 -2.75 3.17	41.77 -2.44 2.65	38.16 -1.06 0.00	32.51 -0.49 0.00	28.52 -0.52 0.00
LOWER___HUDSON 24059	26.80 1.03 0.00	23.77 1.00 0.00	22.68 0.98 0.00	22.35 0.90 0.00	22.59 1.01 0.00	23.85 1.03 0.00	27.48 1.06 0.00	29.18 0.96 0.00	29.37 0.83 0.01	29.44 0.78 0.33	30.39 0.81 0.52	31.63 0.79 0.70	34.62 0.94 1.02	38.50 1.02 0.47	39.94 1.36 0.25	41.26 1.52 0.34	46.70 1.80 0.00	56.57 2.40 0.46	59.32 2.61 0.00	53.38 2.40 0.00	49.20 2.34 0.00	41.06 1.84 0.00	34.25 1.25 0.00	30.17 1.13 0.00
LOWVILLE_115KV_TB2 356335	26.07 0.31 0.00	22.97 0.20 0.00	21.83 0.13 0.00	21.47 0.02 0.00	21.62 0.04 0.00	22.96 0.14 0.00	26.74 0.32 0.00	28.67 0.45 0.00	28.97 0.43 0.00	29.60 0.61 0.00	30.73 0.63 0.00	32.30 0.76 0.00	35.53 0.83 0.00	39.01 1.06 0.00	39.54 0.70 0.00	40.64 0.56 0.00	45.30 0.40 0.00	55.23 0.60 0.00	56.81 1.02 0.92	51.99 1.78 0.78	47.80 1.59 0.65	40.67 1.45 0.00	34.09 1.09 0.00	29.62 0.58 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	27.03 1.26 0.00	23.93 1.16 0.00	22.75 1.04 0.00	22.50 1.05 0.00	22.57 0.99 0.00	24.01 1.19 0.00	27.72 1.29 0.00	29.46 1.24 0.00	29.71 1.17 0.01	29.83 1.10 0.26	30.77 1.08 0.40	32.04 1.04 0.55	35.19 1.28 0.79	39.02 1.44 0.36	40.39 1.75 0.20	41.74 1.92 0.26	47.33 2.42 0.00	57.49 3.22 0.36	60.06 3.35 0.00	54.15 3.16 0.00	49.81 2.95 0.00	41.53 2.31 0.00	34.68 1.68 0.00	30.49 1.45 0.00
LUTHERNY_35_KV_BK2 355980	27.05 1.29 0.00	23.93 1.16 0.00	22.77 1.06 0.00	22.50 1.05 0.00	22.57 0.99 0.00	24.01 1.19 0.00	27.72 1.29 0.00	29.49 1.27 0.00	29.74 1.20 0.01	29.86 1.13 0.26	30.77 1.08 0.40	32.07 1.07 0.55	35.19 1.28 0.79	39.02 1.44 0.36	40.39 1.75 0.20	41.78 1.96 0.26	47.37 2.47 0.00	57.49 3.22 0.36	60.11 3.40 0.00	54.20 3.21 0.00	49.85 3.00 0.00	41.57 2.35 0.00	34.72 1.72 0.00	30.52 1.48 0.00



LWR___OSWEGATCHIE_HYD 23850	25.63 -0.13 0.00	22.61 -0.16 0.00	21.62 -0.09 0.00	21.28 -0.17 0.00	21.49 -0.09 0.00	22.66 -0.16 0.00	26.39 -0.03 0.00	28.25 0.03 0.00	28.46 -0.09 0.00	28.90 -0.09 0.00	29.98 -0.12 0.00	31.61 0.06 0.00	34.88 0.17 0.00	38.17 0.23 0.00	38.72 -0.12 0.00	39.84 -0.24 0.00	43.96 -0.94 0.00	53.21 -1.42 0.00	53.04 -1.19 2.48	48.32 -0.56 2.10	44.53 -0.56 1.76	39.29 0.08 0.00	33.20 0.20 0.00	29.01 -0.03 0.00
LYONS_FALL_HYD 23570	26.25 0.49 0.00	23.13 0.36 0.00	22.01 0.30 0.00	21.64 0.19 0.00	21.84 0.26 0.00	23.14 0.32 0.00	26.92 0.50 0.00	28.84 0.62 0.00	29.15 0.60 0.00	29.71 0.73 0.00	30.85 0.75 0.00	32.43 0.88 0.00	35.67 0.97 0.00	39.16 1.21 0.00	39.89 1.05 0.00	41.08 1.00 0.00	45.98 1.08 0.00	55.94 1.31 0.00	57.78 1.59 0.52	52.53 1.99 0.44	48.27 1.78 0.37	40.74 1.53 0.00	34.15 1.15 0.00	29.77 0.73 0.00
MADISON___COUNTY_LFGE 323628	26.61 0.85 0.00	23.45 0.68 0.00	22.25 0.54 0.00	21.92 0.47 0.00	22.05 0.47 0.00	23.49 0.66 0.00	27.09 0.87 0.20	28.89 0.99 0.32	29.32 0.97 0.20	29.73 0.99 0.24	30.87 1.05 0.28	32.40 1.17 0.31	35.55 1.28 0.44	38.98 1.56 0.52	39.95 1.67 0.56	41.32 1.84 0.60	46.66 2.29 0.53	56.24 2.68 1.06	58.21 2.78 1.28	52.56 2.65 1.08	48.25 2.30 0.91	40.39 1.84 0.67	33.90 1.35 0.45	29.90 1.10 0.24
MALONE___115KV_TB1 356076	25.25 -0.52 0.00	22.33 -0.43 0.00	21.49 -0.22 0.00	21.15 -0.30 0.00	21.45 -0.13 0.00	22.53 -0.30 0.00	26.26 -0.16 0.00	28.16 -0.06 0.00	28.52 -0.03 0.00	28.99 0.00 0.00	30.01 -0.09 0.00	31.54 0.00 0.00	34.88 0.17 0.00	38.02 0.08 0.00	38.60 -0.23 0.00	39.47 -0.60 0.00	43.73 -1.17 0.00	52.94 -1.69 0.00	50.43 -1.93 4.36	45.51 -1.78 3.69	42.22 -1.55 3.09	38.04 -1.18 0.00	32.27 -0.73 0.00	28.28 -0.76 0.00
MAPLEWOD_115KV_TB3 80458	26.77 1.00 0.00	23.81 1.05 0.00	22.59 0.89 0.00	22.35 0.90 0.00	22.42 0.84 0.00	23.85 1.03 0.00	27.45 1.03 0.00	29.10 0.87 0.00	29.31 0.77 0.01	29.48 0.75 0.26	30.47 0.78 0.41	31.78 0.79 0.55	34.85 0.94 0.79	38.57 0.99 0.36	40.04 1.40 0.20	41.33 1.52 0.26	46.74 1.84 0.00	56.73 2.46 0.36	59.32 2.61 0.00	53.33 2.35 0.00	49.11 2.25 0.00	41.02 1.80 0.00	34.22 1.22 0.00	30.08 1.05 0.00
MAPLE_RIDGE_WT_1 323574	25.12 -0.64 0.00	22.20 -0.57 0.00	21.14 -0.56 0.00	20.95 -0.49 0.00	21.04 -0.54 0.00	22.30 -0.52 0.00	25.86 -0.56 0.00	27.68 -0.54 0.00	28.09 -0.46 0.00	28.61 -0.38 0.00	29.70 -0.39 0.00	31.13 -0.41 0.00	34.22 -0.49 0.00	37.34 -0.61 0.00	38.06 -0.78 0.00	39.16 -0.92 0.00	43.73 -1.17 0.00	53.27 -1.36 0.00	47.35 -1.36 8.00	42.94 -1.27 6.77	40.02 -1.17 5.67	38.27 -0.94 0.00	32.30 -0.69 0.00	28.37 -0.67 0.00
MAPLE_RIDGE_WT_2 323611	25.12 -0.64 0.00	22.20 -0.57 0.00	21.14 -0.56 0.00	20.95 -0.49 0.00	21.04 -0.54 0.00	22.30 -0.52 0.00	25.86 -0.56 0.00	27.68 -0.54 0.00	28.09 -0.46 0.00	28.61 -0.38 0.00	29.70 -0.39 0.00	31.13 -0.41 0.00	34.22 -0.49 0.00	37.34 -0.61 0.00	38.06 -0.78 0.00	39.16 -0.92 0.00	43.73 -1.17 0.00	53.27 -1.36 0.00	47.35 -1.36 8.00	42.94 -1.27 6.77	40.02 -1.17 5.67	38.27 -0.94 0.00	32.30 -0.69 0.00	28.37 -0.67 0.00
MARBLE_RIVER_WT_PWR 323696	25.04 -0.72 0.00	22.11 -0.66 0.00	21.10 -0.61 0.00	20.95 -0.49 0.00	20.97 -0.60 0.00	22.28 -0.55 0.00	26.00 -0.42 0.00	27.94 -0.28 0.00	28.38 -0.17 0.00	28.87 -0.12 0.00	29.89 -0.21 0.00	31.42 -0.13 0.00	34.74 0.03 0.00	37.83 -0.11 0.00	38.49 -0.35 0.00	39.00 -1.08 0.00	43.37 -1.53 0.00	52.61 -2.02 0.00	49.79 -2.27 4.65	44.80 -2.24 3.94	41.59 -1.97 3.30	37.49 -1.72 0.00	31.88 -1.12 0.00	27.91 -1.13 0.00
MARSHVLE_115KV_TB1 80742	28.52 2.76 0.00	25.27 2.50 0.00	23.90 2.19 0.00	23.59 2.14 0.00	23.69 2.11 0.00	25.36 2.53 0.00	29.59 3.17 0.00	31.55 3.33 0.00	31.80 3.25 0.00	31.93 3.04 0.10	32.91 2.98 0.16	34.57 3.25 0.22	38.03 3.64 0.32	41.97 4.17 0.14	43.46 4.70 0.08	44.70 4.73 0.11	50.78 5.88 0.00	62.24 7.76 0.14	64.94 8.22 0.00	58.89 7.90 0.00	53.74 6.89 0.00	44.63 5.41 0.00	37.29 4.29 0.00	32.61 3.57 0.00
MARSH_HILL_WT_PWR 323713	26.02 0.26 0.00	22.65 -0.11 0.00	21.62 -0.09 0.00	20.98 -0.47 0.00	21.38 -0.19 0.00	22.76 -0.07 0.00	25.89 0.00 0.53	27.75 0.37 0.84	28.62 0.60 0.53	28.96 0.61 0.64	29.82 0.48 0.75	31.13 0.41 0.82	33.71 0.17 1.16	36.89 0.34 1.39	37.83 0.47 1.48	38.96 0.48 1.60	44.80 1.30 1.40	52.96 1.15 2.82	54.11 0.79 3.39	49.03 0.92 2.87	44.97 0.52 2.41	37.59 0.16 1.78	32.09 0.30 1.20	28.52 0.12 0.64
MCINTYRE_115KV_TB2 80467	25.56 -0.21 0.00	22.63 -0.14 0.00	21.77 0.07 0.00	21.43 -0.02 0.00	21.73 0.15 0.00	22.73 -0.09 0.00	26.42 0.00 0.00	28.22 0.00 0.00	28.38 -0.17 0.00	28.73 -0.26 0.00	29.79 -0.30 0.00	31.39 -0.16 0.00	34.63 -0.07 0.00	37.83 -0.11 0.00	38.37 -0.47 0.00	39.47 -0.60 0.00	43.24 -1.66 0.00	52.28 -2.35 0.00	50.49 -2.27 3.95	45.80 -1.84 3.35	42.46 -1.59 2.80	38.70 -0.51 0.00	32.87 -0.13 0.00	28.84 -0.20 0.00
MECO____69_KV_BK1 80468	29.65 3.89 0.00	26.25 3.48 0.00	24.79 3.08 0.00	24.45 3.00 0.00	24.58 3.00 0.00	26.29 3.47 0.00	30.75 4.33 0.00	32.68 4.46 0.00	32.85 4.31 0.00	32.75 3.88 0.12	33.58 3.67 0.19	35.33 4.04 0.26	39.05 4.72 0.37	43.28 5.50 0.17	44.88 6.14 0.09	46.61 6.65 0.12	53.43 8.53 0.00	65.93 11.47 0.17	68.62 11.91 0.00	62.46 11.47 0.00	56.93 10.07 0.00	47.10 7.88 0.00	39.04 6.04 0.00	34.06 5.02 0.00
MENANDS__115KV_TB5 355628	26.67 0.90 0.00	23.75 0.98 0.00	22.55 0.85 0.00	22.30 0.86 0.00	22.35 0.78 0.00	23.81 0.98 0.00	27.37 0.95 0.00	28.98 0.76 0.00	29.20 0.66 0.01	29.37 0.64 0.26	30.35 0.66 0.40	31.66 0.66 0.55	34.71 0.80 0.79	38.42 0.83 0.36	39.88 1.24 0.20	41.14 1.32 0.26	46.52 1.62 0.00	56.40 2.13 0.36	59.04 2.33 0.00	53.08 2.09 0.00	48.87 2.01 0.00	40.82 1.61 0.00	34.06 1.06 0.00	29.97 0.93 0.00
MG INDUSTRY___DRP 24185	26.69 0.93 0.00	23.72 0.96 0.00	22.55 0.85 0.00	22.28 0.84 0.00	22.35 0.78 0.00	23.76 0.94 0.00	27.35 0.92 0.00	28.93 0.71 0.00	29.11 0.57 0.00	29.35 0.49 0.13	30.32 0.42 0.20	31.68 0.41 0.27	34.86 0.56 0.39	38.37 0.61 0.18	39.67 0.93 0.10	41.03 1.08 0.13	46.29 1.39 0.00	56.36 1.91 0.18	58.87 2.16 0.00	52.97 1.99 0.00	48.82 1.97 0.00	40.78 1.57 0.00	34.09 1.09 0.00	30.03 0.99 0.00
MID___OSWEGATCHIE_HYD 23849	25.63 -0.13 0.00	22.61 -0.16 0.00	21.62 -0.09 0.00	21.28 -0.17 0.00	21.49 -0.09 0.00	22.66 -0.16 0.00	26.39 -0.03 0.00	28.25 0.03 0.00	28.46 -0.09 0.00	28.90 -0.09 0.00	29.98 -0.12 0.00	31.61 0.06 0.00	34.88 0.17 0.00	38.17 0.23 0.00	38.72 -0.12 0.00	39.84 -0.24 0.00	43.96 -0.94 0.00	53.21 -1.42 0.00	53.04 -1.19 2.48	48.32 -0.56 2.10	44.53 -0.56 1.76	39.29 0.08 0.00	33.20 0.20 0.00	29.01 -0.03 0.00



MID___RAQUETTE_HYD 23851	25.30 -0.46 0.00	22.38 -0.39 0.00	21.51 -0.20 0.00	21.19 -0.26 0.00	21.47 -0.11 0.00	22.48 -0.34 0.00	26.13 -0.29 0.00	27.94 -0.28 0.00	28.09 -0.46 0.00	28.38 -0.61 0.00	29.43 -0.66 0.00	31.13 -0.41 0.00	34.46 -0.24 0.00	37.64 -0.30 0.00	38.14 -0.70 0.00	39.23 -0.84 0.00	42.79 -2.11 0.00	51.46 -3.17 0.00	49.74 -3.23 3.74	45.07 -2.75 3.17	41.77 -2.44 2.65	38.16 -1.06 0.00	32.50 -0.49 0.00	28.52 -0.52 0.00
MILLIKEN___1 23584	26.51 0.75 0.00	23.31 0.55 0.00	22.03 0.33 0.00	21.75 0.30 0.00	21.84 0.26 0.00	23.35 0.52 0.00	27.07 0.82 0.17	28.91 0.96 0.27	29.35 0.97 0.17	29.71 0.93 0.21	30.72 0.87 0.24	32.22 0.95 0.27	35.40 1.08 0.38	38.82 1.33 0.45	39.83 1.48 0.48	41.28 1.72 0.52	46.82 2.38 0.46	56.44 2.73 0.92	58.44 2.84 1.10	52.70 2.65 0.93	48.37 2.30 0.78	40.36 1.73 0.58	33.86 1.25 0.39	29.82 0.99 0.21
MILLIKEN___2 23585	26.51 0.75 0.00	23.31 0.55 0.00	22.03 0.33 0.00	21.75 0.30 0.00	21.84 0.26 0.00	23.35 0.52 0.00	27.07 0.82 0.17	28.91 0.96 0.27	29.35 0.97 0.17	29.71 0.93 0.21	30.72 0.87 0.24	32.22 0.95 0.27	35.40 1.08 0.38	38.82 1.33 0.45	39.83 1.48 0.48	41.28 1.72 0.52	46.82 2.38 0.46	56.44 2.73 0.92	58.44 2.84 1.10	52.70 2.65 0.93	48.37 2.30 0.78	40.36 1.73 0.58	33.86 1.25 0.39	29.82 0.99 0.21
MILLIKEN___DIESEL 23629	26.51 0.75 0.00	23.31 0.55 0.00	22.03 0.33 0.00	21.75 0.30 0.00	21.84 0.26 0.00	23.35 0.52 0.00	27.07 0.82 0.17	28.91 0.96 0.27	29.35 0.97 0.17	29.71 0.93 0.21	30.72 0.87 0.24	32.22 0.95 0.27	35.40 1.08 0.38	38.82 1.33 0.45	39.83 1.48 0.48	41.28 1.72 0.52	46.82 2.38 0.46	56.44 2.73 0.92	58.44 2.84 1.10	52.70 2.65 0.93	48.37 2.30 0.78	40.36 1.73 0.58	33.86 1.25 0.39	29.82 0.99 0.21
MILLSEAT___LFGE 323607	25.71 -0.05 0.00	22.47 -0.30 0.00	21.40 -0.30 0.00	20.78 -0.67 0.00	21.10 -0.47 0.00	22.32 -0.50 0.00	25.41 -0.21 0.80	26.91 -0.06 1.25	28.05 0.29 0.78	28.15 0.12 0.96	29.13 0.15 1.12	30.45 0.13 1.22	32.66 -0.31 1.73	35.91 0.04 2.08	36.87 0.23 2.20	37.77 0.08 2.38	43.66 0.85 2.09	50.48 0.05 4.21	50.97 -0.68 5.06	46.35 -0.35 4.29	42.75 -0.51 3.59	36.20 -0.35 2.66	31.21 0.00 1.79	27.97 -0.12 0.95
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	27.64 1.88 0.00	24.34 1.57 0.00	23.01 1.30 0.00	22.78 1.33 0.00	22.81 1.23 0.00	24.42 1.60 0.00	28.19 1.77 0.00	30.22 2.00 0.00	30.72 2.17 -0.01	31.68 2.23 -0.46	33.21 2.41 -0.71	34.90 2.40 -0.96	38.73 2.64 -1.39	41.35 2.77 -0.64	42.68 3.50 -0.34	44.07 3.53 -0.46	48.72 3.82 0.00	60.56 5.30 -0.63	62.27 5.56 0.00	55.73 4.74 0.00	51.03 4.17 0.00	42.51 3.29 0.00	35.34 2.34 0.00	31.19 2.15 0.00
MILLWOOD_13_KV_LOAD 356217	27.72 1.96 0.00	24.38 1.62 0.00	23.07 1.37 0.00	22.84 1.39 0.00	22.87 1.29 0.00	24.47 1.64 0.00	28.24 1.82 0.00	30.31 2.09 0.00	30.81 2.26 -0.01	31.77 2.32 -0.46	33.34 2.53 -0.71	35.06 2.55 -0.96	38.91 2.81 -1.39	41.54 2.96 -0.64	42.87 3.69 -0.34	44.31 3.77 -0.46	49.03 4.13 0.00	60.94 5.68 -0.63	62.61 5.90 0.00	55.98 5.00 0.00	51.31 4.45 0.00	42.70 3.49 0.00	35.47 2.47 0.00	31.28 2.24 0.00
MODEL_CITY_ENERGY 24167	24.99 -0.77 0.00	21.83 -0.93 0.00	20.86 -0.85 0.00	20.23 -1.22 0.00	20.52 -1.06 0.00	21.68 -1.14 0.00	24.56 -1.08 0.78	25.92 -1.07 1.23	27.09 -0.69 0.77	27.21 -0.84 0.94	28.10 -0.90 1.10	29.33 -1.01 1.20	31.41 -1.60 1.70	34.54 -1.36 2.04	35.36 -1.32 2.16	36.17 -1.56 2.34	41.86 -0.99 2.05	48.32 -2.19 4.13	48.80 -2.95 4.96	44.44 -2.34 4.20	40.99 -2.34 3.52	34.72 -1.88 2.61	30.09 -1.16 1.76	27.06 -1.04 0.93
MODERN_LFGE___ 323580	24.99 -0.77 0.00	21.83 -0.93 0.00	20.86 -0.85 0.00	20.23 -1.22 0.00	20.52 -1.06 0.00	21.68 -1.14 0.00	24.56 -1.08 0.78	25.92 -1.07 1.23	27.09 -0.69 0.77	27.21 -0.84 0.94	28.10 -0.90 1.10	29.33 -1.01 1.20	31.41 -1.60 1.70	34.54 -1.36 2.04	35.36 -1.32 2.16	36.17 -1.56 2.34	41.86 -0.99 2.05	48.32 -2.19 4.13	48.80 -2.95 4.96	44.44 -2.34 4.20	40.99 -2.34 3.52	34.72 -1.88 2.61	30.09 -1.16 1.76	27.06 -1.04 0.93
MOHAWK_PAPER___DRP 24187	26.77 1.00 0.00	23.81 1.05 0.00	22.59 0.89 0.00	22.35 0.90 0.00	22.42 0.84 0.00	23.85 1.03 0.00	27.45 1.03 0.00	29.10 0.87 0.00	29.31 0.77 0.01	29.48 0.75 0.26	30.47 0.78 0.41	31.78 0.79 0.55	34.85 0.94 0.79	38.57 0.99 0.36	40.04 1.40 0.20	41.33 1.52 0.26	46.74 1.84 0.00	56.73 2.46 0.36	59.32 2.61 0.00	53.33 2.35 0.00	49.11 2.25 0.00	41.02 1.80 0.00	34.22 1.22 0.00	30.08 1.05 0.00
MOHICAN___35_KV_115KV_LD 80490	26.92 1.16 0.00	23.81 1.05 0.00	22.72 1.02 0.00	22.46 1.01 0.00	22.55 0.97 0.00	23.99 1.16 0.00	27.74 1.32 0.00	29.49 1.27 0.00	29.77 1.23 0.01	29.84 1.10 0.25	30.69 0.99 0.40	31.83 0.82 0.54	35.04 1.11 0.78	38.84 1.25 0.36	40.08 1.44 0.19	41.50 1.68 0.26	47.15 2.25 0.00	57.39 3.11 0.35	59.94 3.23 0.00	54.15 3.16 0.00	49.76 2.91 0.00	41.41 2.20 0.00	34.62 1.62 0.00	30.43 1.39 0.00
MONGAUP___HYD 23641	27.62 1.86 0.00	24.29 1.53 0.00	23.16 1.45 0.00	22.69 1.24 0.00	23.02 1.45 0.00	24.33 1.51 0.00	28.09 1.67 0.00	29.97 1.75 0.00	30.35 1.80 -0.01	31.16 1.77 -0.40	32.62 1.90 -0.62	34.22 1.83 -0.84	38.04 2.12 -1.22	40.74 2.24 -0.56	41.97 2.83 -0.30	43.21 2.73 -0.41	47.86 2.96 0.00	59.00 3.82 -0.55	60.97 4.26 0.00	54.61 3.62 0.00	50.42 3.56 0.00	42.12 2.90 0.00	34.95 1.95 0.00	30.93 1.89 0.00
MONTAUK___DIESEL 23721	28.47 2.71 0.00	25.11 2.35 0.00	23.59 1.89 0.00	23.27 1.82 0.00	23.30 1.73 0.00	24.97 2.15 0.00	28.40 1.98 0.00	30.48 2.26 0.00	30.84 2.28 -0.01	31.68 2.23 -0.46	33.49 2.68 -0.72	35.10 2.59 -0.97	38.56 2.46 -1.39	40.86 2.28 -0.64	42.33 3.15 -0.35	43.87 3.33 -0.47	48.67 3.77 0.00	61.11 5.85 -0.63	63.40 6.69 0.00	56.95 5.97 0.00	51.87 5.01 0.00	43.29 4.08 0.00	35.51 2.51 0.00	31.74 2.70 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	26.20 0.44 0.00	22.70 -0.07 0.00	21.14 -0.56 0.00	20.78 -0.66 0.00	20.74 -0.84 0.00	22.46 -0.37 0.00	25.13 -0.58 0.71	26.99 -0.11 1.11	28.31 0.46 0.70	28.43 0.29 0.85	29.37 0.27 0.99	30.52 0.06 1.09	32.99 -0.17 1.54	36.40 0.30 1.84	37.54 0.66 1.96	38.60 0.64 2.12	44.48 1.44 1.86	51.82 0.93 3.74	52.27 0.06 4.49	47.59 0.41 3.81	43.62 -0.05 3.19	36.69 -0.16 2.36	31.28 -0.13 1.59	28.02 -0.17 0.85
MORTIMER_115KV_TB3 55949	25.66 -0.10 0.00	22.52 -0.25 0.00	21.16 -0.54 0.00	20.91 -0.54 0.00	20.95 -0.63 0.00	22.41 -0.41 0.00	25.60 0.03 0.84	27.06 0.17 1.33	28.09 0.37 0.83	28.32 0.35 1.02	29.27 0.36 1.19	30.66 0.41 1.29	33.07 0.21 1.84	36.16 0.42 2.20	37.01 0.50 2.33	38.11 0.56 2.52	43.81 1.12 2.22	50.83 0.66 4.46	51.47 0.11 5.36	46.65 0.20 4.54	43.20 0.14 3.80	36.55 0.16 2.82	31.17 0.07 1.90	28.18 0.15 1.01



MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.95 1.50 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.43 2.01 0.00	30.56 2.34 0.00	31.07 2.51 -0.01	32.06 2.61 -0.46	33.61 2.80 -0.72	35.35 2.84 -0.97	37.95 3.09 -0.16	41.81 3.23 -0.64	43.14 3.96 -0.35	44.55 4.01 -0.47	49.12 4.22 0.00	61.16 5.90 -0.63	62.84 6.12 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.94 3.73 0.00	35.74 2.74 0.00	31.51 2.47 0.00
MUNSVILLE_WIND_PWR 323609	28.03 2.27 0.00	24.59 1.82 0.00	23.40 1.69 0.00	22.82 1.37 0.00	23.17 1.60 0.00	24.61 1.78 0.00	28.61 2.38 0.18	30.56 2.62 0.29	30.94 2.57 0.18	31.29 2.46 0.16	32.52 2.59 0.16	34.29 2.90 0.15	37.65 3.16 0.21	41.38 3.83 0.40	42.64 4.27 0.46	44.27 4.69 0.49	50.25 5.83 0.49	60.79 7.05 0.89	62.86 7.32 1.17	56.67 6.68 0.99	51.83 5.81 0.83	43.26 4.66 0.62	36.18 3.60 0.42	31.75 2.93 0.22
N SALMON___HYD 24042	25.25 -0.52 0.00	22.33 -0.43 0.00	21.29 -0.41 0.00	21.15 -0.30 0.00	21.17 -0.41 0.00	22.53 -0.30 0.00	26.26 -0.16 0.00	28.16 -0.06 0.00	28.52 -0.03 0.00	28.99 0.00 0.00	30.01 -0.09 0.00	31.54 0.00 0.00	34.88 0.17 0.00	38.02 0.08 0.00	38.61 -0.23 0.00	39.31 -0.76 0.00	43.73 -1.17 0.00	52.93 -1.69 0.00	50.42 -1.93 4.36	45.51 -1.79 3.69	42.22 -1.55 3.09	38.04 -1.18 0.00	32.27 -0.73 0.00	28.28 -0.76 0.00
N.AKRON___115KV_KNAPP 355671	25.71 -0.05 0.00	22.47 -0.30 0.00	21.03 -0.67 0.00	20.78 -0.66 0.00	20.78 -0.80 0.00	22.32 -0.50 0.00	25.42 -0.21 0.79	26.91 -0.06 1.25	28.05 0.29 0.78	28.15 0.12 0.96	29.10 0.12 1.12	30.42 0.09 1.22	32.70 -0.28 1.73	35.87 0.00 2.07	36.76 0.12 2.20	37.78 0.08 2.38	43.62 0.81 2.09	50.49 0.05 4.20	50.93 -0.74 5.05	46.30 -0.41 4.27	42.76 -0.52 3.58	36.17 -0.39 2.65	30.91 -0.30 1.79	27.94 -0.15 0.95
N.BELMOR_69_KV_BK1 55787	28.29 2.52 0.00	24.91 2.14 0.00	23.44 1.74 0.00	23.21 1.76 0.00	23.24 1.66 0.00	24.90 2.08 0.00	28.56 2.14 0.00	30.68 2.46 0.00	31.12 2.57 -0.01	32.03 2.58 -0.46	33.73 2.92 -0.72	35.32 2.81 -0.97	38.98 2.88 -1.39	41.43 2.85 -0.64	42.91 3.73 -0.35	44.35 3.81 -0.47	48.99 4.09 0.00	61.16 5.90 -0.63	63.18 6.47 0.00	56.65 5.66 0.00	51.73 4.87 0.00	43.45 4.24 0.00	35.87 2.87 0.00	32.00 2.96 0.00
N.E_GEN_SANDY PD 24062	27.00 1.24 0.00	23.95 1.18 0.00	22.85 1.15 0.00	22.50 1.05 0.00	22.79 1.21 0.00	24.06 1.23 0.00	27.64 1.22 0.00	30.00 1.19 -0.59	29.00 1.08 0.63	28.22 1.10 1.87	28.35 1.17 2.92	28.76 1.17 3.95	30.28 1.28 5.71	36.70 1.36 2.61	39.29 1.86 1.41	40.10 1.92 1.90	47.10 2.20 0.00	55.00 2.95 2.58	60.00 3.29 0.00	53.84 2.85 0.00	49.62 2.76 0.00	41.37 2.16 0.00	34.45 1.45 0.00	30.40 1.37 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	27.59 1.83 0.00	24.29 1.53 0.00	22.94 1.24 0.00	22.71 1.27 0.00	22.74 1.17 0.00	24.38 1.55 0.00	28.11 1.69 0.00	30.14 1.92 0.00	30.67 2.11 -0.01	31.63 2.20 -0.43	33.15 2.38 -0.68	34.79 2.33 -0.91	38.59 2.57 -1.32	41.28 2.73 -0.60	42.62 3.46 -0.33	44.04 3.53 -0.44	48.58 3.68 0.00	60.31 5.08 -0.60	62.04 5.33 0.00	55.47 4.49 0.00	50.75 3.89 0.00	42.27 3.06 0.00	35.14 2.14 0.00	31.04 2.00 0.00
N.QUEENS_27_KV_LOAD 356247	27.96 2.19 -0.01	24.64 1.87 -0.01	23.34 1.63 -0.01	23.11 1.65 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.68 2.46 0.00	31.24 2.68 -0.01	32.28 2.84 -0.45	33.78 2.98 -0.71	35.56 3.06 -0.96	40.78 3.37 -2.71	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.00 5.74 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.26 4.40 0.00	43.02 3.80 0.00	35.85 2.84 -0.01	31.66 2.61 -0.01
N.TROY___115KV_TB1 355778	26.79 1.03 0.00	23.77 1.00 0.00	22.57 0.87 0.00	22.35 0.90 0.00	22.40 0.82 0.00	23.85 1.03 0.00	27.48 1.06 0.00	29.18 0.96 0.00	29.37 0.83 0.01	29.44 0.78 0.33	30.39 0.81 0.52	31.63 0.79 0.70	34.62 0.94 1.02	38.47 0.99 0.47	39.94 1.36 0.25	41.18 1.44 0.34	46.74 1.84 0.00	56.57 2.40 0.46	59.32 2.61 0.00	53.38 2.40 0.00	49.20 2.34 0.00	41.06 1.84 0.00	34.25 1.25 0.00	30.17 1.13 0.00
NARROWS_GT1_1 24228	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT1_2 24229	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT1_3 24230	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT1_4 24231	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT1_5 24232	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT1_6 24233	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01



NARROWS_GT1_7 24234	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT1_8 24235	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT2_1 24236	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT2_2 24237	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT2_3 24238	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT2_4 24239	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT2_5 24240	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT2_6 24241	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT2_7 24242	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NARROWS_GT2_8 24243	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.19 5.20 0.00	51.40 4.54 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	27.13 1.37 0.00	24.13 1.37 0.00	22.92 1.22 0.00	22.63 1.18 0.00	22.70 1.12 0.00	24.13 1.30 0.00	27.79 1.37 0.00	29.21 0.99 0.00	29.34 0.80 0.00	29.63 0.70 0.05	30.70 0.69 0.08	32.06 0.63 0.11	35.51 0.97 0.16	39.05 1.18 0.07	40.35 1.55 0.04	41.82 1.80 0.05	47.19 2.29 0.00	57.94 3.39 0.07	60.34 3.63 0.00	54.30 3.31 0.00	50.00 3.14 0.00	41.61 2.39 0.00	34.45 1.45 0.00	30.26 1.22 0.00
NCHELSEA_115KV_TR2 355582	27.72 1.96 0.00	24.41 1.64 0.00	23.07 1.37 0.00	22.84 1.39 0.00	22.87 1.29 0.00	24.47 1.64 0.00	28.19 1.77 0.00	30.14 1.92 0.00	30.61 2.06 -0.01	31.47 2.09 -0.39	33.00 2.29 -0.62	34.68 2.30 -0.83	38.58 2.67 -1.20	41.34 2.85 -0.55	42.71 3.57 -0.30	44.16 3.69 -0.40	49.03 4.13 0.00	60.80 5.63 -0.54	62.61 5.90 0.00	55.93 4.95 0.00	51.26 4.40 0.00	42.63 3.41 0.00	35.28 2.28 0.00	31.10 2.06 0.00
NEG CAPITAL___MECHNVIL 23645	27.05 1.29 0.00	23.93 1.16 0.00	22.85 1.15 0.00	22.50 1.05 0.00	22.74 1.16 0.00	24.01 1.19 0.00	27.71 1.29 0.00	29.46 1.24 0.00	29.71 1.17 0.01	29.81 1.10 0.29	30.73 1.08 0.45	32.04 1.10 0.60	35.11 1.28 0.87	39.02 1.48 0.40	40.41 1.79 0.22	41.91 2.12 0.29	47.41 2.51 0.00	57.57 3.33 0.39	60.23 3.52 0.00	54.30 3.31 0.00	49.90 3.04 0.00	41.61 2.39 0.00	34.68 1.68 0.00	30.52 1.48 0.00
NEG CENTRAL_HIGH_ACRES 23767	25.22 -0.54 0.00	22.15 -0.61 0.00	21.07 -0.63 0.00	20.59 -0.86 0.00	20.89 -0.69 0.00	22.07 -0.75 0.00	25.28 -0.40 0.75	26.76 -0.28 1.18	27.67 -0.14 0.74	27.94 -0.14 0.90	28.86 -0.18 1.05	30.30 -0.09 1.15	32.79 -0.28 1.63	35.92 -0.08 1.95	36.80 0.04 2.07	37.92 0.08 2.24	43.51 0.58 1.97	50.67 0.00 3.96	51.50 -0.46 4.76	46.65 -0.30 4.03	43.06 -0.42 3.37	36.36 -0.35 2.50	31.05 -0.27 1.68	27.80 -0.35 0.90
NEG CENTRAL___DRP 24199	25.94 0.18 0.00	22.79 0.02 0.00	21.51 -0.20 0.00	21.25 -0.19 0.00	21.32 -0.26 0.00	22.85 0.02 0.00	26.41 0.26 0.27	28.22 0.42 0.43	28.76 0.49 0.27	29.16 0.49 0.33	30.14 0.42 0.38	31.60 0.47 0.42	34.56 0.45 0.59	37.84 0.61 0.71	38.75 0.66 0.75	40.15 0.88 0.81	45.62 1.44 0.71	54.62 1.42 1.43	56.29 1.30 1.72	50.75 1.22 1.46	46.66 1.03 1.22	38.97 0.67 0.91	32.88 0.49 0.61	29.06 0.35 0.32



NEG CENTRAL___INDECK 23768	26.54 0.77 0.00	23.25 0.48 0.00	22.07 0.37 0.00	21.47 0.02 0.00	21.86 0.28 0.00	23.17 0.34 0.00	26.63 0.87 0.66	28.27 1.10 1.05	29.03 1.14 0.65	29.23 1.04 0.80	30.03 0.87 0.94	31.44 0.92 1.02	33.81 0.55 1.45	35.83 -0.38 1.74	36.72 -0.27 1.84	37.92 -0.16 1.99	43.82 0.67 1.75	51.60 0.49 3.52	52.82 0.34 4.23	48.12 0.71 3.58	44.46 0.61 3.00	37.42 0.43 2.23	32.95 1.45 1.50	29.29 1.04 0.80
NEG CENTRAL___SENECA 23627	26.07 0.31 0.00	22.88 0.11 0.00	21.55 -0.15 0.00	21.28 -0.17 0.00	21.34 -0.24 0.00	22.92 0.09 0.00	26.31 0.40 0.51	28.04 0.62 0.80	28.76 0.71 0.50	29.04 0.67 0.62	29.98 0.60 0.72	31.42 0.66 0.78	34.25 0.66 1.11	37.41 0.80 1.33	38.32 0.89 1.41	39.67 1.12 1.53	45.40 1.84 1.34	53.73 1.80 2.70	55.11 1.64 3.24	49.77 1.53 2.75	45.82 1.27 2.30	38.37 0.86 1.71	32.51 0.66 1.15	28.92 0.49 0.61
NEG CENTRAL___STATE_STREET 24147	25.92 0.15 0.00	22.81 0.05 0.00	21.57 -0.13 0.00	21.30 -0.15 0.00	21.38 -0.19 0.00	22.85 0.02 0.00	26.66 0.24 0.00	28.59 0.37 0.00	28.95 0.40 0.00	29.42 0.43 0.00	30.46 0.36 0.00	31.98 0.44 0.00	35.15 0.45 0.00	38.55 0.61 0.00	39.54 0.70 0.00	40.96 0.88 0.00	46.29 1.39 0.00	56.05 1.42 0.00	58.07 1.36 0.00	52.21 1.22 0.00	47.93 1.08 0.00	39.96 0.75 0.00	33.46 0.46 0.00	29.36 0.32 0.00
NEG MILLWOOD___DRP 24198	27.82 2.06 0.00	24.50 1.73 0.00	23.18 1.48 0.00	22.93 1.48 0.00	22.96 1.38 0.00	24.56 1.73 0.00	28.32 1.90 0.00	30.34 2.12 0.00	30.87 2.31 -0.01	31.76 2.35 -0.42	33.34 2.59 -0.66	35.12 2.68 -0.89	39.08 3.09 -1.29	41.80 3.26 -0.59	43.20 4.04 -0.32	44.67 4.17 -0.43	49.57 4.67 0.00	61.55 6.34 -0.58	63.29 6.58 0.00	56.54 5.56 0.00	51.78 4.92 0.00	42.98 3.76 0.00	35.61 2.61 0.00	31.36 2.32 0.00
NEG NORTH_FLCN_SEA 23793	25.25 -0.52 0.00	22.27 -0.50 0.00	21.44 -0.26 0.00	21.10 -0.34 0.00	21.38 -0.19 0.00	22.46 -0.37 0.00	26.29 -0.13 0.00	28.28 0.06 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.31 0.21 0.00	31.83 0.28 0.00	35.26 0.56 0.00	38.36 0.42 0.00	38.95 0.12 0.00	39.23 -0.84 0.00	43.28 -1.62 0.00	52.50 -2.13 0.00	49.58 -2.50 4.64	44.56 -2.50 3.92	41.42 -2.16 3.29	37.33 -1.88 0.00	32.04 -0.96 0.00	28.05 -0.99 0.00
NEG NORTH_KES_CHATEGAY 23792	25.07 -0.70 0.00	22.15 -0.61 0.00	21.33 -0.37 0.00	21.00 -0.45 0.00	21.28 -0.30 0.00	22.32 -0.50 0.00	26.02 -0.40 0.00	27.91 -0.31 0.00	28.32 -0.23 0.00	28.79 -0.20 0.00	29.82 -0.27 0.00	31.32 -0.22 0.00	34.63 -0.07 0.00	37.72 -0.23 0.00	38.29 -0.54 0.00	39.07 -1.00 0.00	43.42 -1.48 0.00	52.72 -1.91 0.00	49.99 -2.16 4.57	45.08 -2.04 3.87	41.79 -1.83 3.24	37.61 -1.61 0.00	31.94 -1.06 0.00	27.99 -1.05 0.00
NEG NORTH___ALICE_FALLS 23915	25.25 -0.52 0.00	22.29 -0.48 0.00	21.47 -0.24 0.00	21.10 -0.34 0.00	21.41 -0.17 0.00	22.50 -0.32 0.00	26.34 -0.08 0.00	28.33 0.11 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.28 0.18 0.00	31.80 0.25 0.00	35.22 0.52 0.00	38.32 0.38 0.00	38.95 0.12 0.00	39.39 -0.68 0.00	43.69 -1.21 0.00	52.94 -1.69 0.00	50.10 -1.98 4.62	45.03 -2.04 3.92	41.89 -1.69 3.28	37.61 -1.61 0.00	32.11 -0.89 0.00	28.11 -0.93 0.00
NEG NORTH___LWR_SARANAC 23913	25.25 -0.52 0.00	22.29 -0.48 0.00	21.47 -0.24 0.00	21.10 -0.34 0.00	21.41 -0.17 0.00	22.50 -0.32 0.00	26.34 -0.08 0.00	28.33 0.11 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.28 0.18 0.00	31.80 0.25 0.00	35.22 0.52 0.00	38.32 0.38 0.00	38.95 0.12 0.00	39.39 -0.68 0.00	43.69 -1.21 0.00	52.94 -1.69 0.00	50.10 -1.98 4.62	45.03 -2.04 3.92	41.89 -1.69 3.28	37.61 -1.61 0.00	32.11 -0.89 0.00	28.11 -0.93 0.00
NEG NORTH___PLATTSBURG 23628	25.25 -0.52 0.00	22.29 -0.48 0.00	21.27 -0.43 0.00	21.10 -0.34 0.00	21.15 -0.43 0.00	22.50 -0.32 0.00	26.34 -0.08 0.00	28.33 0.11 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.28 0.18 0.00	31.79 0.25 0.00	35.22 0.52 0.00	38.32 0.38 0.00	38.95 0.12 0.00	39.23 -0.84 0.00	43.69 -1.21 0.00	52.93 -1.69 0.00	50.10 -1.99 4.62	45.03 -2.04 3.92	41.89 -1.68 3.28	37.61 -1.61 0.00	32.08 -0.92 0.00	28.11 -0.93 0.00
NEG WEST_LEA_LOCKPORT 23791	25.27 -0.49 0.00	22.08 -0.68 0.00	20.71 -1.00 0.00	20.44 -1.01 0.00	20.39 -1.19 0.00	21.93 -0.89 0.00	24.85 -0.79 0.78	26.28 -0.71 1.23	27.43 -0.34 0.77	27.55 -0.49 0.95	28.48 -0.51 1.10	29.74 -0.60 1.20	31.96 -1.04 1.71	35.03 -0.87 2.04	35.85 -0.82 2.17	36.73 -1.00 2.35	42.48 -0.36 2.06	49.12 -1.37 4.14	49.58 -2.16 4.98	45.08 -1.68 4.22	41.64 -1.69 3.53	35.22 -1.37 2.62	30.21 -1.02 1.76	27.38 -0.73 0.94
NEG WEST___LANCASTR 23811	25.84 0.08 0.00	22.52 -0.25 0.00	21.05 -0.65 0.00	20.83 -0.62 0.00	20.76 -0.82 0.00	22.46 -0.37 0.00	24.37 -1.35 0.70	25.96 -1.16 1.11	27.03 -0.83 0.69	27.21 -0.93 0.85	28.14 -0.96 0.99	29.39 -1.07 1.08	31.72 -1.46 1.53	34.86 -1.25 1.83	35.77 -1.13 1.94	36.61 -1.36 2.10	42.25 -0.81 1.85	49.17 -1.75 3.71	49.70 -2.55 4.46	45.06 -2.14 3.78	41.44 -2.25 3.17	34.98 -1.88 2.35	29.93 -1.48 1.58	26.89 -1.31 0.84
NEG_PENN_ALLEGHNY 23528	26.28 0.52 0.00	23.11 0.34 0.00	22.03 0.33 0.00	21.58 0.13 0.00	21.88 0.30 0.00	23.14 0.32 0.00	26.64 0.42 0.20	28.46 0.56 0.32	28.97 0.63 0.20	29.45 0.64 0.18	30.55 0.63 0.18	32.04 0.66 0.17	35.16 0.69 0.24	38.42 0.91 0.44	39.41 1.09 0.51	40.82 1.28 0.54	46.07 1.71 0.54	55.50 1.86 0.98	57.23 1.81 1.29	51.52 1.63 1.10	47.30 1.36 0.92	39.55 1.02 0.68	33.27 0.73 0.46	29.35 0.55 0.24
NEG___GEN_MONROE 24207	25.84 0.08 0.00	22.63 -0.14 0.00	21.29 -0.41 0.00	21.04 -0.41 0.00	21.08 -0.50 0.00	22.57 -0.25 0.00	25.79 0.21 0.84	27.24 0.34 1.32	28.20 0.49 0.83	28.32 0.35 1.01	29.24 0.33 1.18	30.63 0.38 1.29	33.01 0.14 1.83	36.06 0.30 2.19	36.90 0.39 2.33	37.96 0.40 2.52	43.50 0.81 2.21	50.79 0.60 4.44	51.54 0.17 5.34	46.82 0.36 4.53	43.35 0.28 3.79	36.68 0.27 2.81	31.34 0.23 1.89	28.35 0.32 1.01
NEPA___ENERGY 23901	25.92 0.15 0.00	22.56 -0.20 0.00	21.07 -0.63 0.00	20.85 -0.60 0.00	20.78 -0.80 0.00	22.50 -0.32 0.00	25.22 -0.50 0.70	26.89 -0.23 1.10	28.00 0.14 0.69	28.17 0.03 0.85	29.14 0.03 0.99	30.40 -0.06 1.08	32.83 -0.35 1.53	36.12 0.00 1.83	37.05 0.16 1.94	38.06 0.08 2.10	43.87 0.81 1.84	51.14 0.22 3.70	51.80 -0.45 4.45	46.96 -0.25 3.77	43.09 -0.61 3.16	36.32 -0.55 2.34	31.03 -0.40 1.58	27.85 -0.35 0.84
NEVERSINK___HYD 23608	28.00 2.24 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.88 1.44 0.00	23.22 1.64 0.00	24.54 1.71 0.00	28.32 1.90 0.00	30.25 2.03 0.00	30.75 2.20 -0.01	31.50 2.23 -0.28	33.00 2.47 -0.44	34.57 2.43 -0.59	38.41 2.85 -0.86	41.52 3.19 -0.39	42.93 3.88 -0.21	44.49 4.13 -0.29	49.66 4.76 0.00	61.57 6.55 -0.39	63.51 6.80 0.00	56.75 5.76 0.00	51.87 5.02 0.00	43.06 3.85 0.00	35.38 2.38 0.00	31.22 2.18 0.00



NEWKRMKL_115KV_TB1 55635	26.61 0.85 0.00	23.75 0.98 0.00	22.53 0.82 0.00	22.28 0.84 0.00	22.35 0.78 0.00	23.78 0.96 0.00	27.37 0.95 0.00	28.93 0.71 0.00	29.17 0.63 0.00	29.34 0.58 0.23	30.34 0.60 0.36	31.69 0.63 0.48	34.76 0.76 0.70	38.46 0.83 0.32	39.87 1.20 0.17	41.16 1.32 0.23	46.52 1.62 0.00	56.44 2.13 0.32	58.98 2.27 0.00	53.03 2.04 0.00	48.82 1.97 0.00	40.74 1.53 0.00	33.99 0.99 0.00	29.91 0.87 0.00
NEWTON___FALLS_HYD 23847	25.63 -0.13 0.00	22.61 -0.16 0.00	21.62 -0.09 0.00	21.28 -0.17 0.00	21.49 -0.09 0.00	22.66 -0.16 0.00	26.39 -0.03 0.00	28.25 0.03 0.00	28.46 -0.09 0.00	28.90 -0.09 0.00	29.98 -0.12 0.00	31.61 0.06 0.00	34.88 0.17 0.00	38.17 0.23 0.00	38.72 -0.12 0.00	39.84 -0.24 0.00	43.96 -0.94 0.00	53.21 -1.42 0.00	53.04 -1.19 2.48	48.32 -0.56 2.10	44.53 -0.56 1.76	39.29 0.08 0.00	33.20 0.20 0.00	29.01 -0.03 0.00
NGRID_A1_DSASP 323792	24.73 -1.03 0.00	21.65 -1.12 0.00	20.64 -1.06 0.00	20.03 -1.42 0.00	20.35 -1.23 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.09 -1.91 1.71	34.19 -1.71 2.04	34.96 -1.71 2.17	35.73 -2.00 2.35	41.31 -1.53 2.06	47.70 -2.78 4.14	48.16 -3.57 4.98	43.91 -2.85 4.22	40.51 -2.81 3.53	34.32 -2.28 2.62	29.78 -1.45 1.76	26.91 -1.19 0.94
NGRID_A2_DSASP 323793	24.73 -1.03 0.00	21.65 -1.12 0.00	20.64 -1.06 0.00	20.03 -1.42 0.00	20.35 -1.23 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.09 -1.91 1.71	34.19 -1.71 2.04	34.96 -1.71 2.17	35.73 -2.00 2.35	41.31 -1.53 2.06	47.70 -2.78 4.14	48.16 -3.57 4.98	43.91 -2.85 4.22	40.51 -2.81 3.53	34.32 -2.28 2.62	29.78 -1.45 1.76	26.91 -1.19 0.94
NGRID_A4_DSASP 323807	24.73 -1.03 0.00	21.65 -1.12 0.00	20.64 -1.06 0.00	20.03 -1.42 0.00	20.35 -1.23 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.09 -1.91 1.71	34.19 -1.71 2.04	34.96 -1.71 2.17	35.73 -2.00 2.35	41.31 -1.53 2.06	47.70 -2.78 4.14	48.16 -3.57 4.98	43.91 -2.85 4.22	40.51 -2.81 3.53	34.32 -2.28 2.62	29.78 -1.45 1.76	26.91 -1.19 0.94
NIAGARA_115E_LBMP 323715	24.81 -0.95 0.00	21.70 -1.07 0.00	20.73 -0.98 0.00	20.10 -1.35 0.00	20.37 -1.21 0.00	21.52 -1.30 0.00	24.40 -1.24 0.78	25.73 -1.27 1.23	26.90 -0.89 0.77	27.01 -1.04 0.94	27.89 -1.11 1.09	29.12 -1.23 1.19	31.17 -1.84 1.69	34.25 -1.67 2.03	35.05 -1.63 2.15	35.82 -1.92 2.33	41.46 -1.39 2.05	47.90 -2.62 4.11	48.37 -3.40 4.95	44.09 -2.70 4.19	40.68 -2.67 3.51	34.42 -2.20 2.60	29.86 -1.38 1.75	26.89 -1.22 0.93
NIAGARA_115W_LBMP 323714	24.68 -1.08 0.00	21.61 -1.16 0.00	20.57 -1.13 0.00	19.97 -1.48 0.00	20.30 -1.27 0.00	21.46 -1.37 0.00	24.29 -1.35 0.78	25.63 -1.35 1.24	26.75 -1.03 0.77	26.91 -1.13 0.95	27.82 -1.17 1.10	29.04 -1.29 1.21	30.98 -2.01 1.71	34.08 -1.82 2.05	34.84 -1.82 2.17	35.60 -2.13 2.35	41.18 -1.66 2.06	47.53 -2.95 4.15	47.98 -3.74 4.99	43.75 -3.01 4.23	40.37 -2.95 3.54	34.20 -2.39 2.63	29.68 -1.55 1.77	26.85 -1.25 0.94
NIAGARA_230_LBMP 323716	25.04 -0.72 0.00	21.90 -0.87 0.00	20.90 -0.80 0.00	20.27 -1.18 0.00	20.59 -0.99 0.00	21.75 -1.07 0.00	24.65 -0.98 0.79	26.01 -0.96 1.25	27.14 -0.63 0.78	27.31 -0.72 0.96	28.19 -0.78 1.12	29.44 -0.88 1.22	31.51 -1.46 1.73	34.62 -1.25 2.07	35.39 -1.24 2.20	36.21 -1.48 2.38	41.86 -0.95 2.09	48.35 -2.08 4.20	48.88 -2.78 5.05	44.57 -2.14 4.28	41.12 -2.15 3.58	34.79 -1.76 2.66	30.19 -1.02 1.79	27.22 -0.87 0.95
NIAGARA___115KV_198_GIBSON 55903	24.68 -1.08 0.00	21.61 -1.16 0.00	20.21 -1.50 0.00	19.97 -1.48 0.00	19.92 -1.66 0.00	21.43 -1.39 0.00	24.32 -1.32 0.78	25.63 -1.35 1.24	26.75 -1.03 0.77	26.91 -1.13 0.95	27.82 -1.17 1.10	29.04 -1.29 1.21	31.08 -1.91 1.71	34.08 -1.82 2.05	34.76 -1.90 2.17	35.60 -2.12 2.35	41.17 -1.66 2.06	47.58 -2.90 4.15	47.98 -3.74 4.99	43.70 -3.06 4.23	40.36 -2.95 3.54	34.20 -2.39 2.63	29.42 -1.81 1.77	26.82 -1.28 0.94
NIAGARA____ 23760	25.04 -0.72 0.00	21.90 -0.87 0.00	20.90 -0.80 0.00	20.27 -1.18 0.00	20.59 -0.99 0.00	21.75 -1.07 0.00	24.66 -0.98 0.78	26.02 -0.96 1.24	27.14 -0.63 0.77	27.32 -0.72 0.95	28.21 -0.78 1.11	29.45 -0.88 1.21	31.53 -1.46 1.71	34.64 -1.25 2.05	35.42 -1.24 2.18	36.24 -1.48 2.36	41.89 -0.95 2.07	48.39 -2.08 4.16	48.93 -2.78 5.01	44.61 -2.14 4.24	41.15 -2.15 3.55	34.82 -1.76 2.63	30.21 -1.02 1.77	27.23 -0.87 0.94
NINE_MILE_1 23575	25.14 -0.62 0.00	22.15 -0.61 0.00	21.12 -0.58 0.00	20.76 -0.69 0.00	20.97 -0.60 0.00	22.19 -0.64 0.00	19.71 -0.66 6.06	18.02 -0.65 9.55	21.95 -0.63 5.96	21.04 -0.64 7.32	20.88 -0.69 8.53	21.54 -0.69 9.31	20.71 -0.80 13.20	21.29 -0.83 15.82	21.23 -0.82 16.79	21.15 -0.76 18.16	28.23 -0.72 15.95	21.59 -0.98 32.05	17.03 -1.13 38.55	17.37 -0.97 32.65	18.58 -0.94 27.34	18.12 -0.83 20.27	18.62 -0.73 13.65	21.12 -0.67 7.25
NINE_MILE_2 23744	25.14 -0.62 0.00	22.18 -0.59 0.00	21.12 -0.58 0.00	20.76 -0.69 0.00	20.97 -0.60 0.00	22.19 -0.64 0.00	19.63 -0.66 6.13	17.90 -0.65 9.67	21.88 -0.63 6.04	20.94 -0.64 7.41	20.77 -0.69 8.64	21.42 -0.69 9.43	20.53 -0.80 13.37	21.09 -0.83 16.02	21.02 -0.82 17.00	20.92 -0.76 18.39	28.03 -0.72 16.15	21.18 -0.98 32.47	16.53 -1.13 39.04	16.95 -0.97 33.07	18.23 -0.94 27.69	17.85 -0.83 20.54	18.44 -0.73 13.83	21.03 -0.67 7.35
NM_CAPITAL___DRP 24208	26.61 0.85 0.00	23.72 0.96 0.00	22.53 0.82 0.00	22.28 0.84 0.00	22.35 0.78 0.00	23.78 0.96 0.00	27.35 0.92 0.00	28.95 0.73 0.00	29.17 0.63 0.01	29.31 0.58 0.26	30.30 0.60 0.40	31.63 0.63 0.54	34.68 0.76 0.78	38.38 0.80 0.36	39.85 1.20 0.19	41.10 1.28 0.26	46.47 1.57 0.00	56.35 2.08 0.35	58.98 2.27 0.00	52.97 1.99 0.00	48.78 1.92 0.00	40.74 1.53 0.00	33.99 0.99 0.00	29.91 0.87 0.00
NM_CENTRAL___DRP 24181	25.71 -0.05 0.00	22.63 -0.14 0.00	21.44 -0.26 0.00	21.19 -0.26 0.00	21.28 -0.30 0.00	22.66 -0.16 0.00	25.97 -0.05 0.40	27.63 0.03 0.62	28.21 0.06 0.39	28.60 0.09 0.48	29.60 0.06 0.56	31.03 0.09 0.61	33.91 0.07 0.86	37.06 0.15 1.03	37.93 0.19 1.10	39.21 0.32 1.19	44.49 0.63 1.04	53.08 0.55 2.09	54.65 0.45 2.52	49.26 0.41 2.13	45.35 0.28 1.79	38.05 0.16 1.32	32.14 0.03 0.89	28.59 0.03 0.47
NM_FRONTIER___DRP 24179	24.68 -1.08 0.00	21.61 -1.16 0.00	20.21 -1.50 0.00	19.97 -1.48 0.00	19.92 -1.66 0.00	21.43 -1.39 0.00	24.32 -1.32 0.78	25.63 -1.35 1.24	26.75 -1.03 0.77	26.91 -1.13 0.95	27.82 -1.17 1.10	29.04 -1.29 1.21	31.08 -1.91 1.71	34.08 -1.82 2.05	34.76 -1.90 2.17	35.60 -2.12 2.35	41.17 -1.66 2.06	47.58 -2.90 4.15	47.98 -3.74 4.99	43.70 -3.06 4.23	40.36 -2.95 3.54	34.20 -2.39 2.63	29.42 -1.81 1.77	26.82 -1.28 0.94



NM_ST_REGIS___HYD 24053	25.25 -0.52 0.00	22.33 -0.43 0.00	21.49 -0.22 0.00	21.17 -0.28 0.00	21.43 -0.15 0.00	22.46 -0.37 0.00	26.13 -0.29 0.00	27.97 -0.25 0.00	28.18 -0.37 0.00	28.50 -0.49 0.00	29.55 -0.54 0.00	31.20 -0.35 0.00	34.53 -0.17 0.00	37.68 -0.27 0.00	38.22 -0.62 0.00	39.23 -0.84 0.00	42.97 -1.93 0.00	51.73 -2.90 0.00	49.84 -3.01 3.87	45.11 -2.60 3.27	41.82 -2.30 2.74	38.08 -1.14 0.00	32.41 -0.59 0.00	28.40 -0.64 0.00
NORTHPORT___1 23551	28.13 2.37 0.00	24.79 2.03 0.00	23.59 1.89 0.00	23.10 1.65 0.00	23.45 1.88 0.00	24.81 1.98 0.00	28.40 1.98 0.00	30.48 2.26 0.00	30.84 2.28 -0.01	31.67 2.23 -0.45	33.36 2.56 -0.71	34.90 2.40 -0.96	35.97 2.46 1.20	35.36 2.43 5.01	35.95 3.14 6.03	41.31 3.37 2.13	48.53 3.64 0.01	50.61 5.30 9.32	54.05 5.95 8.62	54.71 5.30 1.57	50.05 4.45 1.26	43.01 3.80 0.01	35.20 2.21 0.01	31.77 2.73 0.00
NORTHPORT___2 23552	28.13 2.37 0.00	24.79 2.03 0.00	23.59 1.89 0.00	23.10 1.65 0.00	23.45 1.88 0.00	24.81 1.98 0.00	28.40 1.98 0.00	30.48 2.26 0.00	30.84 2.28 -0.01	31.67 2.23 -0.45	33.36 2.56 -0.71	34.90 2.40 -0.96	35.97 2.46 1.20	35.36 2.43 5.01	35.95 3.14 6.03	41.31 3.37 2.13	48.53 3.64 0.01	50.61 5.30 9.32	54.05 5.95 8.62	54.71 5.30 1.57	50.05 4.45 1.26	43.01 3.80 0.01	35.20 2.21 0.01	31.77 2.73 0.00
NORTHPORT___3 23553	28.26 2.50 0.00	24.86 2.09 0.00	23.66 1.95 0.00	23.18 1.74 0.00	23.52 1.94 0.00	24.88 2.06 0.00	28.53 2.11 0.00	30.65 2.43 0.00	31.07 2.51 -0.01	31.94 2.49 -0.46	33.58 2.77 -0.72	34.78 2.27 -0.97	35.59 2.08 1.19	34.98 2.05 5.01	35.57 2.76 6.02	40.92 2.97 2.12	48.04 3.14 0.00	50.07 4.75 9.31	53.43 5.33 8.61	54.16 4.74 1.57	49.54 3.94 1.26	42.59 3.37 0.00	35.01 2.01 0.00	31.94 2.90 0.00
NORTHPORT___4 23650	28.26 2.50 0.00	24.86 2.09 0.00	23.66 1.95 0.00	23.18 1.74 0.00	23.52 1.94 0.00	24.88 2.06 0.00	28.53 2.11 0.00	30.65 2.43 0.00	31.07 2.51 -0.01	31.94 2.49 -0.46	33.58 2.77 -0.72	34.78 2.27 -0.97	35.59 2.08 1.19	34.98 2.05 5.01	35.57 2.76 6.02	40.92 2.97 2.12	48.04 3.14 0.00	50.07 4.75 9.31	53.43 5.33 8.61	54.16 4.74 1.57	49.54 3.94 1.26	42.59 3.37 0.00	35.01 2.01 0.00	31.94 2.90 0.00
NORTHPORT___IC 23718	28.13 2.37 0.00	24.82 2.05 0.00	23.35 1.65 0.00	23.10 1.65 0.00	23.15 1.58 0.00	24.83 2.01 0.00	28.38 1.96 0.00	30.48 2.26 0.00	30.84 2.28 -0.01	31.68 2.23 -0.46	33.37 2.56 -0.72	34.94 2.43 -0.97	35.97 2.46 1.20	35.28 2.35 5.01	36.03 3.22 6.03	41.27 3.33 2.13	48.49 3.59 0.00	50.61 5.30 9.32	54.05 5.95 8.62	54.61 5.20 1.57	50.04 4.45 1.26	43.02 3.80 0.00	35.47 2.47 0.00	31.77 2.73 0.00
NORTH___COUNTRY_ESR 323785	24.99 -0.77 0.00	22.09 -0.68 0.00	21.05 -0.65 0.00	20.95 -0.49 0.00	20.95 -0.63 0.00	22.25 -0.57 0.00	25.95 -0.47 0.00	27.85 -0.37 0.00	28.26 -0.29 0.00	28.76 -0.23 0.00	29.77 -0.33 0.00	31.29 -0.25 0.00	34.56 -0.14 0.00	37.68 -0.26 0.00	38.29 -0.54 0.00	38.91 -1.16 0.00	43.33 -1.57 0.00	52.55 -2.08 0.00	49.88 -2.27 4.57	44.93 -2.19 3.87	41.65 -1.97 3.24	37.49 -1.72 0.00	31.84 -1.16 0.00	27.91 -1.13 0.00
NPX_GEN_1385_PROXY 323591	27.77 2.01 0.00	24.66 1.89 0.00	23.46 1.76 0.00	22.99 1.55 0.00	23.33 1.75 0.00	24.67 1.85 0.00	28.24 1.82 0.00	30.34 2.12 0.00	30.38 1.83 -0.01	31.00 1.56 -0.45	32.67 1.87 -0.71	34.17 1.67 -0.96	35.13 1.63 1.20	34.56 1.63 5.01	35.29 2.49 6.03	40.87 2.92 2.13	47.99 3.10 0.01	49.95 4.64 9.32	53.31 5.21 8.62	54.10 4.69 1.57	49.48 3.89 1.26	42.77 3.57 0.01	34.84 1.85 0.01	31.39 2.35 0.00
NPX_GEN_CSC 323557	28.26 2.50 0.00	24.89 2.12 0.00	23.63 1.93 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.88 2.06 0.00	28.35 1.93 0.00	30.42 2.20 0.00	30.81 2.25 -0.01	31.65 2.20 -0.46	33.37 2.56 -0.72	34.94 2.43 -0.97	38.52 2.43 -1.39	40.94 2.35 -0.64	42.21 3.03 -0.35	43.87 3.32 -0.47	48.58 3.68 0.00	60.78 5.52 -0.63	63.06 6.35 0.00	56.75 5.76 0.00	51.64 4.78 0.00	43.17 3.96 0.00	35.27 2.28 0.00	31.80 2.76 0.00
NSINS_S_GLNS_FALLS 23858	26.90 1.13 0.00	23.79 1.02 0.00	22.70 1.00 0.00	22.43 0.99 0.00	22.53 0.95 0.00	23.97 1.14 0.00	27.72 1.29 0.00	29.46 1.24 0.00	29.74 1.20 0.00	29.81 1.07 0.25	30.67 0.96 0.39	31.80 0.79 0.53	34.98 1.04 0.77	38.77 1.18 0.35	40.01 1.36 0.19	41.42 1.60 0.25	47.10 2.20 0.00	57.29 3.00 0.35	59.83 3.12 0.00	54.10 3.11 0.00	49.67 2.81 0.00	41.33 2.12 0.00	34.58 1.58 0.00	30.40 1.36 0.00
NUCOR_STEEL___DRP 24197	26.02 0.26 0.00	22.90 0.14 0.00	21.66 -0.04 0.00	21.38 -0.06 0.00	21.47 -0.11 0.00	22.92 0.09 0.00	26.71 0.29 0.00	28.62 0.40 0.00	28.97 0.43 0.00	29.45 0.46 0.00	30.49 0.39 0.00	32.02 0.47 0.00	35.22 0.52 0.00	38.63 0.68 0.00	39.61 0.78 0.00	41.04 0.96 0.00	46.34 1.44 0.00	56.16 1.53 0.00	58.19 1.47 0.00	52.31 1.33 0.00	48.03 1.17 0.00	40.04 0.82 0.00	33.56 0.56 0.00	29.47 0.44 0.00
NUMBER_THREE_WT_PWR 323818	26.05 0.28 0.00	22.93 0.16 0.00	21.81 0.11 0.00	21.45 0.00 0.00	21.60 0.02 0.00	22.92 0.09 0.00	26.71 0.29 0.00	28.62 0.39 0.00	28.92 0.37 0.00	29.57 0.58 0.00	30.70 0.60 0.00	32.27 0.73 0.00	35.53 0.83 0.00	38.97 1.02 0.00	39.50 0.66 0.00	40.52 0.44 0.00	45.22 0.32 0.00	55.12 0.49 0.00	56.65 0.90 0.96	51.91 1.73 0.81	47.67 1.50 0.68	40.59 1.37 0.00	34.05 1.06 0.00	29.56 0.52 0.00
NYISO_LBMP_REFERENCE 24008	25.76 0.00 0.00	22.77 0.00 0.00	21.70 0.00 0.00	21.45 0.00 0.00	21.58 0.00 0.00	22.82 0.00 0.00	26.42 0.00 0.00	28.22 0.00 0.00	28.55 0.00 0.00	28.99 0.00 0.00	30.10 0.00 0.00	31.54 0.00 0.00	34.70 0.00 0.00	37.94 0.00 0.00	38.84 0.00 0.00	40.08 0.00 0.00	44.90 0.00 0.00	54.63 0.00 0.00	56.71 0.00 0.00	50.99 0.00 0.00	46.86 0.00 0.00	39.21 0.00 0.00	33.00 0.00 0.00	29.04 0.00 0.00
NYPA_BRENTWD____GT 24164	28.62 2.86 0.00	25.18 2.41 0.00	23.96 2.26 0.00	23.46 2.02 0.00	23.82 2.24 0.00	25.22 2.40 0.00	28.85 2.43 0.00	30.99 2.77 0.00	31.35 2.80 -0.01	32.20 2.76 -0.46	33.94 3.13 -0.72	35.54 3.03 -0.97	39.22 3.12 -1.39	41.77 3.19 -0.64	43.18 4.00 -0.35	44.83 4.29 -0.47	49.48 4.58 0.00	61.32 6.06 -0.63	63.51 6.80 0.00	57.10 6.12 0.00	52.01 5.15 0.00	44.00 4.78 0.00	35.90 2.90 0.00	32.35 3.31 0.00
NYPA_GOWANUS____GT5 24156	28.14 2.37 -0.01	24.71 1.93 -0.01	23.56 1.84 -0.01	23.13 1.67 -0.01	23.44 1.86 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.48 2.96 -0.98	40.73 3.26 -2.76	42.07 3.49 -0.64	43.42 4.23 -0.35	44.75 4.21 -0.47	49.03 4.13 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.13 5.15 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.01 3.00 -0.01	31.81 2.76 -0.01



NYPA_GOWANUS____GT6 24157	28.14	24.71	23.56	23.13	23.44	24.76	28.64	30.73	31.27	32.24	33.80	35.48	40.73	42.07	43.42	44.75	49.03	61.05	62.72	56.13	51.35	43.25	36.01	31.81
	2.37	1.93	1.84	1.67	1.86	1.94	2.22	2.51	2.71	2.78	2.98	2.96	3.26	3.49	4.23	4.21	4.13	5.79	6.01	5.15	4.50	4.04	3.00	2.76
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.47	-0.72	-0.98	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	-0.01	-0.01
NYPA_HARLEM__RVR_GT1 24160	27.94	24.62	23.51	23.08	23.42	24.72	28.59	30.58	31.14	32.20	33.69	35.44	39.47	41.92	43.18	44.50	48.94	60.84	62.50	55.93	51.11	42.89	35.71	31.60
	2.16	1.84	1.80	1.63	1.83	1.89	2.17	2.37	2.60	2.76	2.89	2.93	3.23	3.34	4.00	3.97	4.04	5.57	5.79	4.94	4.26	3.69	2.71	2.56
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	-0.45	-0.71	-0.96	-1.54	-0.63	-0.34	-0.46	0.01	-0.63	0.00	0.00	0.01	0.01	-0.01	-0.01
NYPA_HARLEM__RVR_GT2 24161	27.94	24.62	23.51	23.08	23.42	24.72	28.59	30.58	31.14	32.20	33.69	35.44	39.47	41.92	43.18	44.50	48.94	60.84	62.50	55.93	51.11	42.89	35.71	31.60
	2.16	1.84	1.80	1.63	1.83	1.89	2.17	2.37	2.60	2.76	2.89	2.93	3.23	3.34	4.00	3.97	4.04	5.57	5.79	4.94	4.26	3.69	2.71	2.56
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	-0.45	-0.71	-0.96	-1.54	-0.63	-0.34	-0.46	0.01	-0.63	0.00	0.00	0.01	0.01	-0.01	-0.01
NYPA_KENT____GT 24152	28.09	24.69	23.54	23.08	23.42	24.74	28.61	30.71	31.27	32.27	33.80	35.52	40.73	42.07	43.38	44.75	49.08	61.05	62.72	56.13	51.35	43.17	35.94	31.75
	2.32	1.91	1.82	1.63	1.83	1.92	2.19	2.48	2.71	2.81	2.98	3.00	3.26	3.49	4.20	4.21	4.18	5.79	6.01	5.15	4.50	3.96	2.94	2.70
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.47	-0.72	-0.98	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	-0.01	-0.01
NYPA_POUCH1____GT 24155	28.14	24.73	23.58	23.13	23.46	24.76	28.64	30.71	31.21	32.15	33.71	35.36	40.55	41.92	43.22	44.59	48.85	60.84	62.50	55.93	51.21	43.17	35.98	31.81
	2.37	1.96	1.87	1.67	1.88	1.94	2.22	2.48	2.66	2.70	2.89	2.84	3.09	3.34	4.04	4.05	3.95	5.57	5.79	4.94	4.36	3.96	2.97	2.76
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.47	-0.72	-0.98	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	-0.01	-0.01
NYPA_VERNON____GT2 24162	28.04	24.64	23.51	23.07	23.40	24.72	28.59	30.71	31.27	32.27	33.80	35.52	40.73	42.07	43.38	44.71	49.12	61.11	62.78	56.19	51.40	43.10	35.88	31.69
	2.27	1.87	1.80	1.61	1.81	1.89	2.17	2.48	2.71	2.81	2.98	3.00	3.26	3.49	4.20	4.17	4.22	5.85	6.07	5.20	4.54	3.88	2.87	2.64
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.47	-0.72	-0.98	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	-0.01	-0.01
NYPA_VERNON____GT3 24163	28.04	24.64	23.51	23.07	23.40	24.72	28.59	30.71	31.27	32.27	33.80	35.52	40.73	42.07	43.38	44.71	49.12	61.11	62.78	56.19	51.40	43.10	35.88	31.69
	2.27	1.87	1.80	1.61	1.81	1.89	2.17	2.48	2.71	2.81	2.98	3.00	3.26	3.49	4.20	4.17	4.22	5.85	6.07	5.20	4.54	3.88	2.87	2.64
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.47	-0.72	-0.98	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	-0.01	-0.01
NYPA__ASTORIA_CC1 323568	28.04	24.64	23.51	23.06	23.40	24.70	28.59	30.68	31.24	32.24	33.80	35.52	40.69	42.04	43.34	44.67	49.08	60.99	62.67	56.08	51.31	43.06	35.85	31.69
	2.27	1.87	1.80	1.61	1.81	1.87	2.17	2.45	2.68	2.78	2.98	3.00	3.23	3.45	4.16	4.13	4.18	5.73	5.95	5.10	4.45	3.85	2.84	2.64
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.47	-0.72	-0.98	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	-0.01	-0.01
NYPA__ASTORIA_CC2 323569	28.04	24.64	23.51	23.06	23.40	24.70	28.59	30.68	31.24	32.24	33.80	35.52	40.69	42.04	43.34	44.67	49.08	60.99	62.67	56.08	51.31	43.06	35.85	31.69
	2.27	1.87	1.80	1.61	1.81	1.87	2.17	2.45	2.68	2.78	2.98	3.00	3.23	3.45	4.16	4.13	4.18	5.73	5.95	5.10	4.45	3.85	2.84	2.64
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.47	-0.72	-0.98	-2.76	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	-0.01	-0.01
NYPA__HOLTSVILL 23794	28.39	24.98	23.74	23.27	23.63	24.99	28.51	30.59	30.98	31.83	33.55	35.13	38.73	41.17	42.45	44.07	48.71	60.94	63.12	56.80	51.68	43.29	35.44	31.94
	2.63	2.21	2.04	1.82	2.05	2.17	2.09	2.37	2.43	2.38	2.74	2.62	2.64	2.58	3.26	3.53	3.81	5.68	6.41	5.81	4.83	4.08	2.44	2.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.46	-0.72	-0.97	-1.39	-0.64	-0.35	-0.47	0.00	-0.63	0.00	0.00	0.00	0.00	0.00	0.00
NYPA____HELLGATE_GT1 24158	27.94	24.62	23.51	23.08	23.42	24.72	28.59	30.58	31.14	32.20	33.69	35.44	41.81	41.92	43.18	44.50	48.94	60.84	62.50	55.93	51.11	42.89	35.71	31.60
	2.16	1.84	1.80	1.63	1.83	1.89	2.17	2.37	2.60	2.76	2.89	2.93	3.23	3.34	4.00	3.97	4.04	5.57	5.79	4.94	4.26	3.69	2.71	2.56
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	-0.45	-0.71	-0.96	-3.88	-0.63	-0.34	-0.46	0.01	-0.63	0.00	0.00	0.01	0.01	-0.01	-0.01
NYPA____HELLGATE_GT2 24159	27.94	24.62	23.51	23.08	23.42	24.72	28.59	30.58	31.14	32.20	33.69	35.44	41.81	41.92	43.18	44.50	48.94	60.84	62.50	55.93	51.11	42.89	35.71	31.60
	2.16	1.84	1.80	1.63	1.83	1.89	2.17	2.37	2.60	2.76	2.89	2.93	3.23	3.34	4.00	3.97	4.04	5.57	5.79	4.94	4.26	3.69	2.71	2.56
	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	-0.45	-0.71	-0.96	-3.88	-0.63	-0.34	-0.46	0.01	-0.63	0.00	0.00	0.01	0.01	-0.01	-0.01
NYS_BARGE__HYD 23848	25.27	22.09	21.07	20.44	20.76	21.93	24.84	26.28	27.43	27.55	28.48	29.74	31.85	35.02	35.88	36.72	42.47	49.11	49.56	45.12	41.63	35.21	30.47	27.40
	-0.49	-0.68	-0.63	-1.01	-0.82	-0.89	-0.79	-0.70	-0.34	-0.49	-0.51	-0.60	-1.14	-0.87	-0.78	-1.00	-0.36	-1.36	-2.16	-1.63	-1.68	-1.37	-0.76	-0.70
	0.00	0.00	0.00	0.00	0.00	0.00	0.79	1.24	0.77	0.95	1.11	1.21	1.71	2.05	2.18	2.35	2.07	4.16	5.00	4.23	3.55	2.63	1.77	0.94
OAK ORCHARD__HYD 24046	25.66	22.52	21.42	20.91	21.21	22.41	25.60	27.06	28.09	28.32	29.27	30.69	33.04	36.16	37.09	38.11	43.81	50.83	51.47	46.70	43.20	36.55	31.36	28.18
	-0.10	-0.25	-0.28	-0.54	-0.37	-0.41	0.03	0.17	0.37	0.35	0.36	0.44	0.17	0.42	0.58	0.56	1.12	0.66	0.11	0.26	0.14	0.16	0.26	0.15
	0.00	0.00	0.00	0.00	0.00	0.00	0.84	1.33	0.83	1.02	1.19	1.29	1.84	2.20	2.33	2.52	2.22	4.46	5.36	4.54	3.80	2.82	1.90	1.01
OAKDALE__35_KV_LOAD 356122	26.23	23.06	21.79	21.55	21.60	23.12	26.56	28.37	28.89	29.36	30.45	31.93	35.05	38.26	39.28	40.60	45.83	55.26	56.98	51.29	47.09	39.42	33.12	29.28
	0.46	0.30	0.09	0.11	0.02	0.30	0.34	0.48	0.54	0.55	0.54	0.57	0.59	0.76	0.97	1.08	1.48	1.64	1.59	1.43	1.17	0.90	0.59	0.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.33	0.20	0.18	0.19	0.18	0.25	0.45	0.52	0.55	0.55	1.01	1.32	1.12	0.94	0.70	0.47	0.25



OCC_CHEM___DRP 24175	24.73 -1.03 0.00	21.65 -1.12 0.00	20.27 -1.43 0.00	20.03 -1.42 0.00	19.96 -1.62 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.19 -1.80 1.71	34.19 -1.71 2.04	34.88 -1.79 2.17	35.72 -2.00 2.35	41.31 -1.53 2.06	47.75 -2.73 4.14	48.16 -3.57 4.98	43.86 -2.91 4.22	40.51 -2.81 3.53	34.32 -2.27 2.62	29.49 -1.75 1.76	26.91 -1.19 0.94
OH_GEN_PROXY 24063	25.07 -0.69 0.00	21.93 -0.84 0.00	20.92 -0.78 0.00	20.31 -1.14 0.00	20.61 -0.97 0.00	21.77 -1.05 0.00	24.70 -0.93 0.79	26.06 -0.90 1.25	27.16 -0.60 0.78	27.36 -0.67 0.96	28.25 -0.72 1.12	29.50 -0.82 1.22	31.58 -1.39 1.73	34.69 -1.18 2.08	35.47 -1.16 2.20	36.29 -1.40 2.38	42.00 -0.81 2.09	48.51 -1.91 4.21	49.04 -2.61 5.06	44.71 -1.99 4.29	41.25 -2.01 3.59	34.91 -1.65 2.66	30.25 -0.96 1.79	27.27 -0.81 0.95
OLIN_CORP_DRP 24177	24.86 -0.90 0.00	21.72 -1.05 0.00	20.40 -1.30 0.00	20.14 -1.31 0.00	20.09 -1.49 0.00	21.57 -1.26 0.00	24.46 -1.19 0.77	25.79 -1.21 1.22	26.96 -0.83 0.76	27.07 -0.99 0.93	27.95 -1.05 1.09	29.19 -1.17 1.19	31.35 -1.67 1.69	34.37 -1.56 2.02	35.10 -1.59 2.14	35.95 -1.80 2.32	41.61 -1.26 2.04	48.07 -2.46 4.10	48.50 -3.29 4.93	44.16 -2.65 4.17	40.79 -2.58 3.49	34.51 -2.12 2.59	29.67 -1.58 1.74	26.95 -1.16 0.93
OLIN_CORP_DSASP 323712	24.73 -1.03 0.00	21.65 -1.12 0.00	20.64 -1.06 0.00	20.03 -1.42 0.00	20.35 -1.23 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.09 -1.91 1.71	34.19 -1.71 2.04	34.96 -1.71 2.17	35.73 -2.00 2.35	41.31 -1.53 2.06	47.70 -2.78 4.14	48.16 -3.57 4.98	43.91 -2.85 4.22	40.51 -2.81 3.53	34.32 -2.28 2.62	29.78 -1.45 1.76	26.91 -1.19 0.94
ONEIDA_HERK_LFGE 323681	26.36 0.59 0.00	23.22 0.46 0.00	22.12 0.41 0.00	21.75 0.30 0.00	21.94 0.37 0.00	23.26 0.43 0.00	27.03 0.61 0.00	28.93 0.71 0.00	29.23 0.68 0.00	29.77 0.78 0.00	30.94 0.84 0.00	32.49 0.95 0.00	35.74 1.04 0.00	39.24 1.29 0.00	40.08 1.24 0.00	41.32 1.24 0.00	46.29 1.39 0.00	56.32 1.70 0.00	58.35 2.78 0.29	52.83 2.65 0.25	48.52 1.88 0.21	40.78 1.57 0.00	34.15 1.15 0.00	29.85 0.81 0.00
ONEIDA___115KV_TB4 55905	26.61 0.85 0.00	23.45 0.68 0.00	22.25 0.54 0.00	21.92 0.47 0.00	22.05 0.47 0.00	23.49 0.66 0.00	27.09 0.87 0.20	28.89 0.99 0.32	29.32 0.97 0.20	29.73 0.99 0.24	30.87 1.05 0.28	32.40 1.17 0.31	35.55 1.28 0.44	38.98 1.56 0.52	39.95 1.67 0.56	41.32 1.84 0.60	46.66 2.29 0.53	56.24 2.68 1.06	58.21 2.78 1.28	52.56 2.65 1.08	48.25 2.30 0.91	40.39 1.84 0.67	33.90 1.35 0.45	29.90 1.10 0.24
ONONDAGA_REF_OCCRA 23987	25.81 0.05 0.00	22.74 -0.02 0.00	21.53 -0.17 0.00	21.28 -0.17 0.00	21.36 -0.22 0.00	22.76 -0.07 0.00	26.22 0.08 0.27	27.96 0.17 0.43	28.48 0.20 0.27	28.86 0.20 0.33	29.89 0.18 0.39	31.34 0.22 0.42	34.31 0.21 0.60	37.53 0.30 0.72	38.46 0.39 0.76	39.81 0.56 0.82	45.03 0.85 0.72	54.05 0.87 1.46	55.81 0.85 1.75	50.27 0.76 1.48	46.22 0.61 1.24	38.69 0.39 0.92	32.61 0.23 0.62	28.88 0.17 0.33
ONONDAGA___COGEN 23986	25.84 0.08 0.00	22.74 -0.02 0.00	21.55 -0.15 0.00	21.28 -0.17 0.00	21.36 -0.22 0.00	22.76 -0.07 0.00	26.50 0.08 0.00	28.39 0.17 0.00	28.75 0.20 0.00	29.19 0.20 0.00	30.28 0.18 0.00	31.76 0.22 0.00	34.94 0.24 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.68 0.60 0.00	45.80 0.90 0.00	55.56 0.93 0.00	57.56 0.85 0.00	51.75 0.76 0.00	47.51 0.66 0.00	39.65 0.43 0.00	33.23 0.23 0.00	29.21 0.17 0.00
ONTARIO___LFGE 23819	26.07 0.31 0.00	22.88 0.11 0.00	21.79 0.09 0.00	21.27 -0.17 0.00	21.60 0.02 0.00	22.92 0.09 0.00	26.31 0.40 0.51	28.04 0.62 0.80	28.76 0.71 0.50	29.04 0.67 0.62	29.98 0.60 0.72	31.42 0.66 0.78	34.22 0.63 1.11	37.45 0.83 1.33	38.32 0.89 1.41	39.67 1.12 1.53	45.40 1.84 1.34	53.73 1.80 2.70	55.11 1.65 3.24	49.82 1.58 2.75	45.82 1.27 2.30	38.37 0.86 1.71	32.61 0.76 1.15	28.92 0.49 0.61
ORANGEVILLE_WT_PWR 323706	25.66 -0.10 0.00	22.40 -0.37 0.00	21.38 -0.32 0.00	20.72 -0.73 0.00	21.06 -0.52 0.00	22.28 -0.55 0.00	25.16 -0.61 0.66	26.76 -0.42 1.04	27.81 -0.09 0.65	28.05 -0.14 0.79	28.96 -0.21 0.92	30.22 -0.32 1.01	32.54 -0.73 1.43	35.73 -0.49 1.72	36.67 -0.35 1.82	37.63 -0.48 1.97	43.35 0.18 1.73	50.71 -0.44 3.48	51.51 -1.02 4.18	46.84 -0.61 3.54	43.00 -0.89 2.96	36.23 -0.78 2.20	31.12 -0.39 1.48	27.79 -0.47 0.79
ORANGEVILLE___ESR 323794	25.66 -0.10 0.00	22.40 -0.37 0.00	21.38 -0.32 0.00	20.72 -0.73 0.00	21.06 -0.52 0.00	22.28 -0.55 0.00	25.16 -0.61 0.66	26.76 -0.42 1.04	27.81 -0.09 0.65	28.05 -0.14 0.79	28.96 -0.21 0.92	30.22 -0.32 1.01	32.54 -0.73 1.43	35.73 -0.49 1.72	36.67 -0.35 1.82	37.63 -0.48 1.97	43.35 0.18 1.73	50.71 -0.44 3.48	51.51 -1.02 4.18	46.84 -0.61 3.54	43.00 -0.89 2.96	36.23 -0.78 2.20	31.12 -0.39 1.48	27.79 -0.47 0.79
OSWEGATCHIE___HYD 24044	25.64 -0.13 0.00	22.61 -0.16 0.00	21.53 -0.17 0.00	21.27 -0.17 0.00	21.36 -0.22 0.00	22.67 -0.16 0.00	26.39 -0.03 0.00	28.25 0.03 0.00	28.46 -0.09 0.00	28.90 -0.09 0.00	29.98 -0.12 0.00	31.61 0.06 0.00	34.88 0.17 0.00	38.17 0.23 0.00	38.76 -0.08 0.00	39.71 -0.36 0.00	43.96 -0.95 0.00	53.21 -1.42 0.00	53.04 -1.19 2.48	48.32 -0.56 2.10	44.58 -0.51 1.76	39.29 0.08 0.00	33.20 0.20 0.00	29.01 -0.03 0.00
OSWEGO___5 23606	25.33 -0.44 0.00	22.33 -0.43 0.00	21.29 -0.41 0.00	20.93 -0.51 0.00	21.12 -0.45 0.00	22.37 -0.46 0.00	28.38 -0.45 -2.41	31.60 -0.42 -3.80	30.52 -0.40 -2.38	31.50 -0.41 -2.91	33.04 -0.45 -3.40	34.81 -0.44 -3.71	39.44 -0.52 -5.26	43.71 -0.53 -6.30	45.01 -0.51 -6.68	46.87 -0.44 -7.23	50.94 -0.31 -6.35	66.85 -0.55 -12.76	71.44 -0.62 -15.35	63.48 -0.51 -13.00	57.18 -0.56 -10.89	46.78 -0.51 -8.07	37.97 -0.46 -5.44	31.49 -0.43 -2.89
OSWEGO___6 23613	25.33 -0.44 0.00	22.33 -0.43 0.00	21.29 -0.41 0.00	20.93 -0.51 0.00	21.12 -0.45 0.00	22.37 -0.46 0.00	28.38 -0.45 -2.41	31.60 -0.42 -3.80	30.52 -0.40 -2.38	31.50 -0.41 -2.91	33.04 -0.45 -3.40	34.81 -0.44 -3.71	39.44 -0.52 -5.26	43.71 -0.53 -6.30	45.01 -0.51 -6.68	46.87 -0.44 -7.23	50.94 -0.31 -6.35	66.85 -0.55 -12.76	71.44 -0.62 -15.35	63.48 -0.51 -13.00	57.18 -0.56 -10.89	46.78 -0.51 -8.07	37.97 -0.46 -5.44	31.49 -0.43 -2.89
OUTOKUMPU-AB___DRP 24206	25.45 -0.31 0.00	22.22 -0.55 0.00	20.81 -0.89 0.00	20.55 -0.90 0.00	20.50 -1.08 0.00	22.09 -0.73 0.00	24.94 -0.71 0.77	26.45 -0.56 1.21	27.59 -0.20 0.76	27.74 -0.32 0.93	28.71 -0.30 1.08	29.98 -0.38 1.18	32.23 -0.80 1.67	35.37 -0.57 2.01	36.20 -0.50 2.13	37.09 -0.68 2.30	42.83 -0.04 2.02	49.58 -0.98 4.07	50.01 -1.81 4.89	45.47 -1.38 4.14	41.94 -1.45 3.47	35.43 -1.22 2.57	30.38 -0.89 1.73	27.51 -0.61 0.92



OXBOW___BTM 323836	25.12 -0.64 0.00	21.95 -0.82 0.00	20.94 -0.76 0.00	20.29 -1.16 0.00	20.63 -0.95 0.00	21.80 -1.03 0.00	24.67 -0.98 0.78	26.09 -0.90 1.22	27.24 -0.54 0.76	27.41 -0.64 0.94	28.34 -0.66 1.09	29.59 -0.76 1.19	31.66 -1.35 1.69	34.82 -1.10 2.03	35.68 -1.01 2.15	36.47 -1.28 2.33	42.14 -0.72 2.04	48.72 -1.80 4.10	49.17 -2.61 4.94	44.76 -2.04 4.18	41.29 -2.06 3.50	34.89 -1.72 2.60	30.26 -0.99 1.75	27.24 -0.87 0.93
OXBOW____ 24026	25.12 -0.64 0.00	21.95 -0.82 0.00	20.55 -1.15 0.00	20.29 -1.16 0.00	20.24 -1.34 0.00	21.80 -1.03 0.00	24.67 -0.98 0.78	26.10 -0.90 1.22	27.24 -0.54 0.76	27.42 -0.64 0.94	28.34 -0.66 1.09	29.59 -0.76 1.19	31.73 -1.28 1.69	34.86 -1.06 2.03	35.60 -1.09 2.15	36.47 -1.28 2.33	42.14 -0.72 2.04	48.72 -1.80 4.10	49.17 -2.61 4.94	44.71 -2.09 4.18	41.29 -2.06 3.50	34.89 -1.73 2.60	29.96 -1.29 1.75	27.24 -0.87 0.93
OXY_CHEM_DSASP 323612	24.73 -1.03 0.00	21.65 -1.12 0.00	20.27 -1.43 0.00	20.03 -1.42 0.00	19.96 -1.62 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.19 -1.80 1.71	34.19 -1.71 2.04	34.88 -1.79 2.17	35.72 -2.00 2.35	41.31 -1.53 2.06	47.75 -2.73 4.14	48.16 -3.57 4.98	43.86 -2.91 4.22	40.51 -2.81 3.53	34.32 -2.27 2.62	29.49 -1.75 1.76	26.91 -1.19 0.94
OZONE_PARK_ESR 323760	28.11 2.34 0.00	24.68 1.91 0.00	23.31 1.61 0.00	23.10 1.65 0.00	23.13 1.55 0.00	24.76 1.94 0.00	28.67 2.25 0.00	30.82 2.60 0.00	31.38 2.83 -0.01	32.38 2.93 -0.46	33.91 3.10 -0.72	35.67 3.15 -0.97	40.89 3.47 -2.72	42.19 3.60 -0.64	43.57 4.39 -0.35	44.99 4.45 -0.47	49.61 4.71 0.00	61.87 6.61 -0.63	63.57 6.86 0.00	56.90 5.91 0.00	52.10 5.25 0.00	43.49 4.27 0.00	36.07 3.07 0.00	31.80 2.76 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	24.73 -1.03 0.00	21.65 -1.12 0.00	20.27 -1.43 0.00	20.03 -1.42 0.00	19.96 -1.62 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.19 -1.80 1.71	34.19 -1.71 2.04	34.88 -1.79 2.17	35.72 -2.00 2.35	41.31 -1.53 2.06	47.75 -2.73 4.14	48.16 -3.57 4.98	43.86 -2.91 4.22	40.51 -2.81 3.53	34.32 -2.27 2.62	29.49 -1.75 1.76	26.91 -1.19 0.94
PACKARD__115KV_DUPONT_184 80571	24.73 -1.03 0.00	21.65 -1.12 0.00	20.27 -1.43 0.00	20.03 -1.42 0.00	19.96 -1.62 0.00	21.50 -1.32 0.00	24.37 -1.27 0.78	25.72 -1.27 1.23	26.83 -0.94 0.77	27.00 -1.04 0.95	27.88 -1.11 1.10	29.11 -1.23 1.20	31.19 -1.80 1.71	34.19 -1.71 2.04	34.88 -1.79 2.17	35.72 -2.00 2.35	41.31 -1.53 2.06	47.75 -2.73 4.14	48.16 -3.57 4.98	43.86 -2.91 4.22	40.51 -2.81 3.53	34.32 -2.27 2.62	29.49 -1.75 1.76	26.91 -1.19 0.94
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	27.96 2.19 -0.01	24.64 1.87 -0.01	23.30 1.58 -0.01	23.08 1.63 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.56 2.14 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.11 2.67 -0.45	33.63 2.83 -0.71	35.37 2.87 -0.96	39.21 3.09 -1.42	41.81 3.23 -0.64	43.11 3.92 -0.35	44.47 3.93 -0.47	48.85 3.95 0.00	60.78 5.52 -0.63	62.44 5.73 0.00	55.83 4.84 0.00	51.12 4.26 0.00	42.90 3.69 0.00	35.78 2.77 -0.01	31.63 2.58 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	28.14 2.37 -0.01	24.78 2.00 -0.01	23.43 1.71 -0.01	23.21 1.76 -0.01	23.25 1.66 -0.01	24.86 2.03 0.00	28.72 2.30 0.00	30.73 2.51 0.00	31.30 2.74 -0.01	32.25 2.81 -0.45	33.78 2.98 -0.71	35.50 3.00 -0.96	39.39 3.26 -1.42	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.05 5.79 -0.63	62.78 6.07 0.00	56.14 5.15 0.00	51.40 4.55 0.00	43.14 3.92 0.00	35.98 2.97 -0.01	31.81 2.76 -0.01
PATROON__115KV_TB1 80586	26.67 0.90 0.00	23.79 1.02 0.00	22.57 0.87 0.00	22.33 0.88 0.00	22.40 0.82 0.00	23.81 0.98 0.00	27.42 1.00 0.00	29.01 0.79 0.00	29.23 0.69 0.00	29.42 0.67 0.24	30.42 0.69 0.37	31.74 0.69 0.50	34.85 0.87 0.72	38.56 0.95 0.33	39.98 1.32 0.18	41.28 1.44 0.24	46.65 1.75 0.00	56.60 2.29 0.33	59.15 2.44 0.00	53.18 2.19 0.00	48.96 2.11 0.00	40.86 1.65 0.00	34.09 1.09 0.00	30.00 0.96 0.00
PATTRSNVILLE__SOLAR 323815	27.10 1.34 0.00	24.02 1.25 0.00	22.90 1.19 0.00	22.52 1.07 0.00	22.79 1.21 0.00	24.08 1.25 0.00	27.87 1.45 0.00	29.69 1.47 0.00	29.97 1.43 0.00	30.15 1.33 0.18	31.14 1.32 0.28	32.55 1.39 0.38	35.72 1.56 0.54	39.48 1.78 0.25	40.80 2.10 0.13	42.22 2.32 0.18	47.69 2.78 0.00	58.04 3.66 0.25	60.62 3.91 0.00	54.66 3.67 0.00	50.18 3.33 0.00	41.84 2.63 0.00	34.95 1.95 0.00	30.69 1.65 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	25.87 0.10 0.00	22.52 -0.25 0.00	21.07 -0.63 0.00	20.83 -0.62 0.00	20.78 -0.80 0.00	22.46 -0.37 0.00	24.64 -1.06 0.72	26.24 -0.85 1.14	27.35 -0.49 0.71	27.54 -0.58 0.87	28.48 -0.60 1.01	29.74 -0.69 1.11	32.09 -1.04 1.57	35.30 -0.76 1.88	36.18 -0.66 2.00	37.07 -0.84 2.16	42.73 -0.27 1.90	49.67 -1.15 3.81	50.20 -1.93 4.59	45.57 -1.53 3.88	41.87 -1.73 3.25	35.35 -1.45 2.41	30.25 -1.12 1.62	27.22 -0.96 0.86
PAWLING_115_KV_BK3_REV_LBMP_H 345028	27.82 2.06 0.00	24.50 1.73 0.00	23.18 1.48 0.00	22.93 1.48 0.00	22.96 1.38 0.00	24.56 1.73 0.00	28.32 1.90 0.00	30.34 2.12 0.00	30.87 2.31 -0.01	31.76 2.35 -0.42	33.34 2.59 -0.66	35.12 2.68 -0.89	39.08 3.09 -1.29	41.80 3.26 -0.59	43.20 4.04 -0.32	44.67 4.17 -0.43	49.57 4.67 0.00	61.55 6.34 -0.58	63.29 6.58 0.00	56.54 5.56 0.00	51.78 4.92 0.00	42.98 3.76 0.00	35.61 2.61 0.00	31.36 2.32 0.00
PEEKSKILL____ 23653	27.62 1.86 0.00	24.32 1.55 0.00	23.20 1.50 0.00	22.76 1.31 0.00	23.09 1.51 0.00	24.40 1.57 0.00	28.16 1.74 0.00	30.20 1.97 0.00	30.70 2.14 -0.01	31.64 2.20 -0.45	33.18 2.38 -0.71	34.87 2.37 -0.96	38.69 2.60 -1.38	41.34 2.77 -0.63	42.63 3.46 -0.34	44.06 3.53 -0.46	48.71 3.81 0.00	60.55 5.30 -0.62	62.27 5.56 0.00	55.73 4.74 0.00	50.98 4.12 0.00	42.47 3.25 0.00	35.24 2.25 0.00	31.16 2.12 0.00
PGE MADISON__WINDPWR 24146	28.03 2.27 0.00	24.59 1.82 0.00	23.40 1.69 0.00	22.82 1.37 0.00	23.17 1.60 0.00	24.61 1.78 0.00	28.61 2.38 0.18	30.56 2.62 0.29	30.94 2.57 0.18	31.29 2.46 0.16	32.52 2.59 0.16	34.29 2.90 0.15	37.65 3.16 0.21	41.38 3.83 0.40	42.64 4.27 0.46	44.27 4.69 0.49	50.25 5.83 0.49	60.79 7.05 0.89	62.86 7.32 1.17	56.67 6.68 0.99	51.83 5.81 0.83	43.26 4.66 0.62	36.18 3.60 0.42	31.75 2.93 0.22
PIERCEFIELD__HYD 23852	25.30 -0.46 0.00	22.38 -0.39 0.00	21.51 -0.20 0.00	21.19 -0.26 0.00	21.47 -0.11 0.00	22.48 -0.34 0.00	26.13 -0.29 0.00	27.94 -0.28 0.00	28.09 -0.46 0.00	28.38 -0.61 0.00	29.43 -0.66 0.00	31.13 -0.41 0.00	34.46 -0.24 0.00	37.64 -0.30 0.00	38.14 -0.70 0.00	39.23 -0.84 0.00	42.79 -2.11 0.00	51.46 -3.17 3.74	49.74 -3.23 3.17	45.07 -2.75 2.65	41.77 -2.44 2.65	38.16 -1.06 0.00	32.50 -0.49 0.00	28.52 -0.52 0.00



PINELAWN_CC_1 323563	28.39 2.63 0.00	24.98 2.21 0.00	23.77 2.06 0.00	23.27 1.82 0.00	23.63 2.05 0.00	24.99 2.17 0.00	28.64 2.22 0.00	30.76 2.54 0.00	31.15 2.60 -0.01	32.03 2.58 -0.46	33.73 2.92 -0.72	35.25 2.74 -0.97	38.90 2.81 -1.39	41.43 2.85 -0.64	42.79 3.61 -0.35	44.43 3.89 -0.47	49.17 4.27 0.00	61.32 6.06 -0.63	63.46 6.75 0.00	57.05 6.06 0.00	52.01 5.15 0.00	43.57 4.35 0.00	35.64 2.64 0.00	32.09 3.05 0.00
PJM_GEN_HTP_PROXY 323702	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.95 1.50 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.09 2.64 -0.46	33.64 2.83 -0.72	35.35 2.84 -0.97	40.50 3.12 -2.68	41.92 3.34 -0.64	43.22 4.04 -0.35	44.63 4.09 -0.47	49.25 4.35 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.39 5.40 0.00	51.54 4.69 0.00	42.98 3.77 0.00	35.67 2.67 0.00	31.54 2.50 0.00
PJM_GEN_KEystone 24065	26.33 0.57 0.00	23.09 0.32 0.00	22.05 0.35 0.00	21.49 0.04 0.00	21.88 0.30 0.00	23.12 0.30 0.00	26.29 0.24 0.36	28.04 0.39 0.57	28.82 0.63 0.35	29.39 0.61 0.21	30.60 0.66 0.16	32.06 0.60 0.08	35.05 0.45 0.11	37.99 0.68 0.64	39.05 1.05 0.84	40.25 1.04 0.86	45.38 1.44 0.96	54.71 1.70 1.61	55.87 1.47 2.31	50.35 1.32 1.96	46.10 0.89 1.64	38.66 0.67 1.22	32.64 0.46 0.82	29.01 0.41 0.44
PJM_GEN_NEPTUNE_PROXY 323594	28.08 2.32 0.00	24.73 1.96 0.00	23.53 1.82 0.00	23.06 1.61 0.00	23.39 1.81 0.00	24.74 1.92 0.00	28.38 1.96 0.00	30.48 2.26 0.00	30.92 2.37 -0.01	31.80 2.35 -0.46	33.49 2.68 -0.72	35.04 2.52 -0.97	38.73 2.64 -1.39	41.20 2.62 -0.64	42.52 3.34 -0.35	44.07 3.53 -0.47	48.67 3.77 0.00	60.72 5.46 -0.63	62.72 6.01 0.00	56.34 5.35 0.00	51.40 4.54 0.00	43.06 3.85 0.00	35.31 2.31 0.00	31.77 2.73 0.00
PJM_GEN_VFT_PROXY 323633	27.83 2.06 0.00	24.43 1.66 0.00	23.31 1.61 0.00	22.88 1.44 0.00	23.20 1.62 0.00	24.56 1.73 0.00	28.40 1.98 0.00	30.54 2.31 0.00	31.10 2.54 -0.01	32.11 2.67 -0.46	33.61 2.80 -0.72	35.35 2.84 -0.97	40.51 3.09 -2.72	41.88 3.30 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.08 4.18 0.00	61.16 5.90 -0.63	62.84 6.13 0.00	56.24 5.25 0.00	51.45 4.59 0.00	42.90 3.69 0.00	35.61 2.61 0.00	31.48 2.44 0.00
PLATSBURG_115KV_PMLD1 355749	25.22 -0.54 0.00	22.24 -0.52 0.00	21.44 -0.26 0.00	21.08 -0.36 0.00	21.38 -0.19 0.00	22.44 -0.39 0.00	26.29 -0.13 0.00	28.28 0.06 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.28 0.18 0.00	31.80 0.25 0.00	35.22 0.52 0.00	38.36 0.42 0.00	38.95 0.12 0.00	39.27 -0.80 0.00	43.46 -1.44 0.00	52.66 -1.97 0.00	49.81 -2.27 4.64	44.72 -2.35 3.93	41.56 -2.01 3.29	37.41 -1.80 0.00	32.01 -0.99 0.00	28.05 -0.99 0.00
PLEASANTVLY___LBMP 24000	27.39 1.62 0.00	24.16 1.39 0.00	22.85 1.15 0.00	22.65 1.20 0.00	22.68 1.10 0.00	24.24 1.42 0.00	27.95 1.53 0.00	29.89 1.67 0.00	30.30 1.74 -0.01	31.29 1.80 -0.50	32.84 1.96 -0.79	34.56 1.96 -1.06	38.39 2.15 -1.54	40.89 2.24 -0.70	42.09 2.87 -0.38	43.51 2.93 -0.51	48.13 3.23 0.00	59.75 4.42 -0.69	61.42 4.71 0.00	54.96 3.98 0.00	50.46 3.61 0.00	42.08 2.86 0.00	34.98 1.98 0.00	30.87 1.83 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	27.57 1.80 0.00	24.29 1.53 0.00	22.98 1.28 0.00	22.78 1.33 0.00	22.81 1.23 0.00	24.40 1.57 0.00	28.14 1.72 0.00	30.17 1.95 0.00	30.61 2.06 -0.01	31.57 2.12 -0.47	33.11 2.29 -0.73	34.83 2.30 -0.98	38.65 2.53 -1.42	41.29 2.69 -0.65	42.57 3.38 -0.35	43.95 3.41 -0.47	48.63 3.73 0.00	60.46 5.19 -0.64	62.16 5.44 0.00	55.63 4.64 0.00	50.98 4.12 0.00	42.47 3.25 0.00	35.28 2.28 0.00	31.10 2.06 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	27.57 1.80 0.00	24.29 1.53 0.00	22.98 1.28 0.00	22.78 1.33 0.00	22.81 1.23 0.00	24.40 1.57 0.00	28.14 1.72 0.00	30.17 1.95 0.00	30.61 2.06 -0.01	31.57 2.12 -0.47	33.11 2.29 -0.73	34.83 2.30 -0.98	38.65 2.53 -1.42	41.29 2.69 -0.65	42.57 3.38 -0.35	43.95 3.41 -0.47	48.63 3.73 0.00	60.46 5.19 -0.64	62.16 5.44 0.00	55.63 4.64 0.00	50.98 4.12 0.00	42.47 3.25 0.00	35.28 2.28 0.00	31.10 2.06 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	27.57 1.80 0.00	24.32 1.55 0.00	22.98 1.28 0.00	22.76 1.31 0.00	22.79 1.21 0.00	24.38 1.55 0.00	28.08 1.66 0.00	30.03 1.81 0.00	30.43 1.88 0.00	31.04 1.91 -0.14	32.39 2.08 -0.22	33.92 2.08 -0.30	37.49 2.36 -0.43	40.68 2.54 -0.20	42.17 3.22 -0.11	43.50 3.29 -0.14	48.58 3.68 0.00	59.96 5.14 -0.19	62.10 5.39 0.00	55.57 4.59 0.00	50.93 4.08 0.00	42.39 3.18 0.00	35.14 2.14 0.00	30.98 1.95 0.00
POLETTI____ 23519	27.88 2.11 0.00	24.50 1.73 0.00	23.16 1.45 0.00	22.93 1.48 0.00	22.96 1.38 0.00	24.58 1.76 0.00	28.43 2.01 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.09 2.64 -0.46	33.61 2.80 -0.72	35.35 2.84 -0.97	40.55 3.12 -2.72	41.81 3.23 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.12 4.22 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.94 3.73 0.00	35.74 2.74 0.00	31.51 2.47 0.00
POMONA___ESR 323819	27.59 1.83 0.00	24.29 1.53 0.00	23.18 1.48 0.00	22.71 1.27 0.00	23.07 1.49 0.00	24.38 1.55 0.00	28.11 1.69 0.00	30.14 1.92 0.00	30.67 2.11 -0.01	31.63 2.20 -0.43	33.15 2.38 -0.68	34.76 2.30 -0.91	38.56 2.53 -1.32	41.32 2.77 -0.60	42.62 3.46 -0.33	44.08 3.57 -0.44	48.58 3.68 0.00	60.31 5.08 -0.60	62.04 5.33 0.00	55.52 4.54 0.00	50.79 3.94 0.00	42.28 3.06 0.00	35.08 2.08 0.00	31.04 2.00 0.00
PORT_JEFF_3 23555	28.47 2.70 0.00	25.04 2.28 0.00	23.81 2.10 0.00	23.31 1.86 0.00	23.67 2.09 0.00	25.06 2.24 0.00	28.59 2.17 0.00	30.68 2.45 0.00	31.07 2.51 -0.01	31.91 2.46 -0.46	33.64 2.83 -0.72	35.22 2.71 -0.97	38.84 2.74 -1.39	41.20 2.62 -0.64	42.33 3.14 -0.35	43.99 3.45 -0.47	48.58 3.68 0.00	60.78 5.52 -0.63	62.95 6.24 0.00	56.65 5.66 0.00	51.54 4.69 0.00	43.22 4.00 0.00	35.48 2.48 0.00	32.00 2.96 0.00
PORT_JEFF_4 23616	28.47 2.70 0.00	25.04 2.28 0.00	23.81 2.10 0.00	23.31 1.86 0.00	23.67 2.09 0.00	25.06 2.24 0.00	28.59 2.17 0.00	30.68 2.45 0.00	31.07 2.51 -0.01	31.91 2.46 -0.46	33.64 2.83 -0.72	35.22 2.71 -0.97	38.84 2.74 -1.39	41.20 2.62 -0.64	42.33 3.14 -0.35	43.99 3.45 -0.47	48.58 3.68 0.00	60.78 5.52 -0.63	62.95 6.24 0.00	56.65 5.66 0.00	51.54 4.69 0.00	43.22 4.00 0.00	35.48 2.48 0.00	32.00 2.96 0.00
PORT_JEFF_IC 23713	28.52 2.76 0.00	25.11 2.35 0.00	23.61 1.91 0.00	23.36 1.91 0.00	23.41 1.83 0.00	25.11 2.28 0.00	28.61 2.19 0.00	30.73 2.51 0.00	31.12 2.57 -0.01	31.97 2.52 -0.46	33.70 2.89 -0.72	35.29 2.78 -0.97	38.91 2.81 -1.39	41.24 2.66 -0.64	42.52 3.34 -0.35	44.07 3.53 -0.47	48.63 3.73 0.00	60.89 5.63 -0.63	63.06 6.35 0.00	56.59 5.61 0.00	51.64 4.78 0.00	43.37 4.16 0.00	35.84 2.84 0.00	32.09 3.05 0.00



PPL PILGRIM_ST_GT1 24216	28.62 2.86 0.00	25.18 2.41 0.00	23.96 2.26 0.00	23.46 2.02 0.00	23.82 2.24 0.00	25.22 2.40 0.00	28.85 2.43 0.00	30.99 2.77 0.00	31.35 2.80 -0.01	32.20 2.76 -0.46	33.94 3.13 -0.72	35.54 3.03 -0.97	39.22 3.12 -1.39	41.77 3.19 -0.64	43.18 4.00 -0.35	44.83 4.29 -0.47	49.48 4.58 0.00	61.32 6.06 -0.63	63.51 6.80 0.00	57.10 6.12 0.00	52.01 5.15 0.00	44.00 4.78 0.00	35.90 2.90 0.00	32.35 3.31 0.00
PPL PILGRIM_ST_GT2 24217	28.62 2.86 0.00	25.18 2.41 0.00	23.96 2.26 0.00	23.46 2.02 0.00	23.82 2.24 0.00	25.22 2.40 0.00	28.85 2.43 0.00	30.99 2.77 0.00	31.35 2.80 -0.01	32.20 2.76 -0.46	33.94 3.13 -0.72	35.54 3.03 -0.97	39.22 3.12 -1.39	41.77 3.19 -0.64	43.18 4.00 -0.35	44.83 4.29 -0.47	49.48 4.58 0.00	61.32 6.06 -0.63	63.51 6.80 0.00	57.10 6.12 0.00	52.01 5.15 0.00	44.00 4.78 0.00	35.90 2.90 0.00	32.35 3.31 0.00
PPL_SHRM_GT3 24213	28.26 2.50 0.00	24.89 2.12 0.00	23.63 1.93 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.88 2.06 0.00	28.35 1.93 0.00	30.42 2.20 0.00	30.78 2.23 -0.01	31.62 2.18 -0.46	33.34 2.53 -0.72	34.91 2.40 -0.97	38.49 2.39 -1.39	40.90 2.31 -0.64	42.17 2.99 -0.35	43.83 3.29 -0.47	48.54 3.64 0.00	60.84 5.57 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.68 4.83 0.00	43.22 4.00 0.00	35.27 2.28 0.00	31.80 2.76 0.00
PPL_SHRM_GT4 24214	28.26 2.50 0.00	24.89 2.12 0.00	23.63 1.93 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.88 2.06 0.00	28.35 1.93 0.00	30.42 2.20 0.00	30.78 2.23 -0.01	31.62 2.18 -0.46	33.34 2.53 -0.72	34.91 2.40 -0.97	38.49 2.39 -1.39	40.90 2.31 -0.64	42.17 2.99 -0.35	43.83 3.29 -0.47	48.54 3.64 0.00	60.84 5.57 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.68 4.83 0.00	43.22 4.00 0.00	35.27 2.28 0.00	31.80 2.76 0.00
PROJECT___ORANGE 1 24174	25.71 -0.05 0.00	22.65 -0.11 0.00	21.47 -0.24 0.00	21.19 -0.26 0.00	21.28 -0.30 0.00	22.66 -0.16 0.00	26.00 -0.03 0.40	27.65 0.06 0.63	28.24 0.09 0.39	28.63 0.12 0.48	29.63 0.09 0.56	31.06 0.13 0.61	33.94 0.10 0.87	37.10 0.19 1.04	37.97 0.23 1.10	39.29 0.40 1.19	44.53 0.67 1.05	53.13 0.60 2.10	54.69 0.51 2.53	49.30 0.46 2.14	45.39 0.33 1.79	38.04 0.16 1.33	32.17 0.07 0.90	28.59 0.03 0.48
PROJECT___ORANGE 2 24166	25.71 -0.05 0.00	22.65 -0.11 0.00	21.47 -0.24 0.00	21.19 -0.26 0.00	21.28 -0.30 0.00	22.66 -0.16 0.00	26.00 -0.03 0.40	27.65 0.06 0.63	28.24 0.09 0.39	28.63 0.12 0.48	29.63 0.09 0.56	31.06 0.13 0.61	33.94 0.10 0.87	37.10 0.19 1.04	37.97 0.23 1.10	39.29 0.40 1.19	44.53 0.67 1.05	53.13 0.60 2.10	54.69 0.51 2.53	49.30 0.46 2.14	45.39 0.33 1.79	38.04 0.16 1.33	32.17 0.07 0.90	28.59 0.03 0.48
PUCKETT___SOLAR 323809	26.72 0.95 0.00	23.50 0.73 0.00	22.40 0.69 0.00	21.92 0.47 0.00	22.22 0.65 0.00	23.55 0.73 0.00	27.18 0.95 0.19	28.99 1.07 0.30	29.38 1.03 0.19	29.78 0.96 0.16	30.83 0.90 0.17	32.37 0.98 0.15	35.53 1.04 0.21	38.86 1.33 0.41	39.91 1.56 0.48	41.37 1.81 0.51	46.81 2.42 0.51	56.59 2.89 0.93	58.48 3.00 1.23	52.75 2.80 1.04	48.37 2.39 0.87	40.45 1.88 0.65	33.95 1.39 0.44	29.91 1.10 0.23
PYRITES___HYD 24023	25.53 -0.23 0.00	22.59 -0.18 0.00	21.75 0.04 0.00	21.40 -0.04 0.00	21.69 0.11 0.00	22.73 -0.09 0.00	26.42 0.00 0.00	28.25 0.03 0.00	28.40 -0.14 0.00	28.73 -0.26 0.00	29.82 -0.27 0.00	31.48 -0.06 0.00	34.77 0.07 0.00	37.98 0.04 0.00	38.53 -0.31 0.00	39.59 -0.48 0.00	43.28 -1.62 0.00	52.23 -2.40 0.00	50.49 -2.38 3.84	45.79 -1.94 3.26	42.40 -1.73 2.73	38.67 -0.55 0.00	32.87 -0.13 0.00	28.81 -0.23 0.00
QUAKERRD_115KV_BK1 80622	25.07 -0.70 0.00	22.04 -0.73 0.00	20.75 -0.95 0.00	20.50 -0.94 0.00	20.56 -1.01 0.00	21.96 -0.87 0.00	25.04 -0.55 0.83	26.44 -0.48 1.30	27.42 -0.31 0.81	27.64 -0.35 1.00	28.57 -0.36 1.16	29.96 -0.32 1.27	32.38 -0.52 1.80	35.37 -0.42 2.16	36.20 -0.35 2.29	37.32 -0.28 2.48	42.86 0.13 2.18	49.76 -0.49 4.37	50.49 -0.96 5.26	45.72 -0.82 4.45	42.33 -0.80 3.73	35.78 -0.67 2.77	30.51 -0.63 1.86	27.53 -0.52 0.99
QUENSBRY_115KV_TB8 356137	26.87 1.11 0.00	23.75 0.98 0.00	22.68 0.98 0.00	22.41 0.97 0.00	22.51 0.93 0.00	23.97 1.14 0.00	27.72 1.29 0.00	29.49 1.27 0.00	29.77 1.23 0.00	29.84 1.10 0.25	30.67 0.96 0.39	31.78 0.76 0.52	34.99 1.04 0.76	38.81 1.21 0.35	39.97 1.32 0.19	41.43 1.60 0.25	47.10 2.20 0.00	57.35 3.06 0.34	59.83 3.12 0.00	54.10 3.11 0.00	49.67 2.81 0.00	41.29 2.08 0.00	34.55 1.55 0.00	30.37 1.34 0.00
RAMAPO___LBMP 323565	27.49 1.73 0.00	24.20 1.43 0.00	22.88 1.17 0.00	22.65 1.20 0.00	22.68 1.10 0.00	24.31 1.48 0.00	28.03 1.61 0.00	30.06 1.83 0.00	30.52 1.97 -0.01	31.45 2.03 -0.43	32.96 2.20 -0.67	34.60 2.14 -0.91	38.38 2.36 -1.31	41.01 2.47 -0.60	42.35 3.18 -0.32	43.76 3.25 -0.44	48.40 3.50 0.00	60.14 4.92 -0.59	61.82 5.10 0.00	55.32 4.33 0.00	50.65 3.80 0.00	42.19 2.98 0.00	35.08 2.08 0.00	30.96 1.92 0.00
RANKINE____ 23646	25.71 -0.05 0.00	22.40 -0.36 0.00	20.99 -0.72 0.00	20.74 -0.71 0.00	20.69 -0.88 0.00	22.32 -0.50 0.00	25.03 -0.66 0.73	26.58 -0.48 1.16	27.71 -0.11 0.72	27.87 -0.23 0.89	28.85 -0.21 1.03	30.10 -0.32 1.13	32.44 -0.66 1.60	35.61 -0.42 1.92	36.49 -0.31 2.03	37.40 -0.48 2.20	43.15 0.18 1.93	50.09 -0.66 3.88	50.62 -1.42 4.67	45.96 -1.07 3.95	42.33 -1.22 3.31	35.74 -1.02 2.46	30.59 -0.76 1.65	27.61 -0.55 0.88
RAVENSWOOD_GT2_1 24244	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.95 1.50 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.09 2.64 -0.46	33.64 2.83 -0.72	35.38 2.87 -0.97	40.59 3.12 -2.76	41.85 3.26 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.12 4.22 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.98 3.76 0.00	35.77 2.77 0.00	31.54 2.50 0.00
RAVENSWOOD_GT2_2 24245	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.95 1.50 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.09 2.64 -0.46	33.64 2.83 -0.72	35.38 2.87 -0.97	40.59 3.12 -2.76	41.85 3.26 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.12 4.22 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.98 3.76 0.00	35.77 2.77 0.00	31.54 2.50 0.00
RAVENSWOOD_GT2_3 24246	27.93 2.16 0.00	24.54 1.78 0.00	23.18 1.48 0.00	22.97 1.52 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.48 2.06 0.00	30.59 2.37 0.00	31.12 2.57 -0.01	32.12 2.67 -0.46	33.67 2.86 -0.72	35.38 2.87 -0.97	40.62 3.16 -2.76	41.85 3.26 -0.64	43.22 4.04 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.29 5.30 0.00	51.49 4.64 0.00	43.02 3.80 0.00	35.77 2.77 0.00	31.57 2.53 0.00



RAVENSWOOD_GT2_4 24247	27.93 2.16 0.00	24.54 1.78 0.00	23.18 1.48 0.00	22.97 1.52 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.48 2.06 0.00	30.59 2.37 0.00	31.12 2.57 -0.01	32.12 2.67 -0.46	33.67 2.86 -0.72	35.38 2.87 -0.97	40.62 3.16 -2.76	41.85 3.26 -0.64	43.22 4.04 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.29 5.30 0.00	51.49 4.64 0.00	43.02 3.80 0.00	35.77 2.77 0.00	31.57 2.53 0.00
RAVENSWOOD_GT3_1 24248	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.97 1.52 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.45 2.03 0.00	30.59 2.37 0.00	31.10 2.54 -0.01	32.12 2.67 -0.46	33.64 2.83 -0.72	35.38 2.87 -0.97	40.59 3.12 -2.76	41.85 3.26 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.98 3.76 0.00	35.77 2.77 0.00	31.54 2.50 0.00
RAVENSWOOD_GT3_2 24249	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.97 1.52 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.45 2.03 0.00	30.59 2.37 0.00	31.10 2.54 -0.01	32.12 2.67 -0.46	33.64 2.83 -0.72	35.38 2.87 -0.97	40.59 3.12 -2.76	41.85 3.26 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.98 3.76 0.00	35.77 2.77 0.00	31.54 2.50 0.00
RAVENSWOOD_GT3_3 24250	27.95 2.19 0.00	24.57 1.80 0.00	23.20 1.50 0.00	22.99 1.54 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.70 2.89 -0.72	35.41 2.90 -0.97	40.66 3.19 -2.76	41.88 3.30 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.32 6.06 -0.63	63.01 6.30 0.00	56.34 5.35 0.00	51.59 4.73 0.00	43.06 3.84 0.00	35.80 2.80 0.00	31.59 2.56 0.00
RAVENSWOOD_GT3_4 24251	27.95 2.19 0.00	24.57 1.80 0.00	23.20 1.50 0.00	22.99 1.54 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.70 2.89 -0.72	35.41 2.90 -0.97	40.66 3.19 -2.76	41.88 3.30 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.21 4.31 0.00	61.32 6.06 -0.63	63.01 6.30 0.00	56.34 5.35 0.00	51.59 4.73 0.00	43.06 3.84 0.00	35.80 2.80 0.00	31.59 2.56 0.00
RAVENSWOOD_GT_1 23729	28.04 2.27 -0.01	24.64 1.87 -0.01	23.30 1.58 -0.01	23.06 1.61 -0.01	23.10 1.51 -0.01	24.72 1.89 0.00	28.59 2.17 0.00	30.70 2.48 0.00	31.24 2.68 -0.01	32.27 2.81 -0.47	33.80 2.98 -0.72	35.55 3.03 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.67 4.13 -0.47	49.08 4.18 0.00	61.11 5.85 -0.63	62.78 6.07 0.00	56.14 5.15 0.00	51.35 4.50 0.00	43.10 3.88 0.00	35.95 2.94 -0.01	31.69 2.64 -0.01
RAVENSWOOD_GT_10 24258	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.95 1.50 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.09 2.64 -0.46	33.64 2.83 -0.71	35.38 2.87 -0.97	40.59 3.12 -2.76	41.85 3.26 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.98 3.76 0.00	35.74 2.74 0.00	31.54 2.50 0.00
RAVENSWOOD_GT_11 24259	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.95 1.50 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.09 2.64 -0.46	33.64 2.83 -0.71	35.38 2.87 -0.97	40.59 3.12 -2.76	41.85 3.26 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.98 3.76 0.00	35.74 2.74 0.00	31.54 2.50 0.00
RAVENSWOOD_GT_4 24252	27.87 2.11 0.01	24.52 1.75 0.01	23.15 1.45 0.01	22.94 1.50 0.01	22.98 1.40 0.01	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.08 2.64 -0.45	33.60 2.80 -0.71	35.34 2.84 -0.96	40.59 3.12 -2.76	41.81 3.23 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.17 4.27 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.29 5.30 0.00	51.54 4.69 0.00	42.98 3.76 0.00	35.73 2.74 0.01	31.53 2.50 0.01
RAVENSWOOD_GT_5 24254	27.87 2.11 0.01	24.52 1.75 0.01	23.15 1.45 0.01	22.94 1.50 0.01	22.98 1.40 0.01	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.08 2.64 -0.45	33.60 2.80 -0.71	35.34 2.84 -0.96	40.59 3.12 -2.76	41.81 3.23 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.17 4.27 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.29 5.30 0.00	51.54 4.69 0.00	42.98 3.76 0.00	35.73 2.74 0.01	31.53 2.50 0.01
RAVENSWOOD_GT_6 24253	27.87 2.11 0.01	24.52 1.75 0.01	23.15 1.45 0.01	22.94 1.50 0.01	22.98 1.40 0.01	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.08 2.64 -0.45	33.60 2.80 -0.71	35.34 2.84 -0.96	40.59 3.12 -2.76	41.81 3.23 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.17 4.27 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.29 5.30 0.00	51.54 4.69 0.00	42.98 3.76 0.00	35.73 2.74 0.01	31.53 2.50 0.01
RAVENSWOOD_GT_7 24255	27.87 2.11 0.01	24.52 1.75 0.01	23.15 1.45 0.01	22.94 1.50 0.01	22.98 1.40 0.01	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.08 2.64 -0.45	33.60 2.80 -0.71	35.34 2.84 -0.96	40.59 3.12 -2.76	41.81 3.23 -0.64	43.18 4.00 -0.35	44.55 4.01 -0.47	49.17 4.27 0.00	61.27 6.01 -0.63	62.95 6.24 0.00	56.29 5.30 0.00	51.54 4.69 0.00	42.98 3.76 0.00	35.73 2.74 0.01	31.53 2.50 0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.95 1.50 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.09 2.64 -0.46	33.64 2.83 -0.71	35.38 2.87 -0.97	40.59 3.12 -2.76	41.85 3.26 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.98 3.76 0.00	35.74 2.74 0.00	31.54 2.50 0.00
RAVENSWOOD_GT_9 24257	27.90 2.14 0.00	24.52 1.75 0.00	23.18 1.48 0.00	22.95 1.50 0.00	22.98 1.40 0.00	24.60 1.78 0.00	28.45 2.03 0.00	30.56 2.34 0.00	31.10 2.54 -0.01	32.09 2.64 -0.46	33.64 2.83 -0.71	35.38 2.87 -0.97	40.59 3.12 -2.76	41.85 3.26 -0.64	43.18 4.00 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.21 5.95 -0.63	62.89 6.18 0.00	56.24 5.25 0.00	51.49 4.64 0.00	42.98 3.76 0.00	35.74 2.74 0.00	31.54 2.50 0.00
RAVENSWOOD___1 23533	28.04 2.27 -0.01	24.62 1.84 -0.01	23.49 1.78 -0.01	23.06 1.61 -0.01	23.40 1.81 -0.01	24.70 1.87 0.00	28.59 2.17 0.00	30.68 2.45 0.00	31.24 2.68 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.69 3.23 -2.76	42.07 3.49 -0.64	43.38 4.20 -0.35	44.71 4.17 -0.47	49.12 4.22 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.13 5.15 0.00	51.35 4.50 0.00	43.10 3.88 0.00	35.85 2.84 -0.01	31.69 2.64 -0.01



RAVENSWOOD___2 23534	27.96 2.19 -0.01	24.57 1.80 -0.01	23.45 1.74 -0.01	23.02 1.56 -0.01	23.33 1.75 -0.01	24.65 1.83 0.00	28.51 2.09 0.00	30.62 2.40 0.00	31.18 2.62 -0.01	32.18 2.72 -0.47	33.71 2.89 -0.72	35.42 2.90 -0.98	40.62 3.16 -2.76	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	48.85 3.95 0.00	60.62 5.36 -0.63	62.21 5.50 0.00	55.67 4.69 0.00	51.07 4.22 0.00	42.98 3.77 0.00	35.78 2.77 -0.01	31.60 2.56 -0.01
RAVENSWOOD___3 23535	27.90 2.14 0.00	24.52 1.75 0.00	23.40 1.69 0.00	22.97 1.52 0.00	23.28 1.70 0.00	24.61 1.78 0.00	28.45 2.03 0.00	30.59 2.37 0.00	31.10 2.54 -0.01	32.11 2.67 -0.46	33.64 2.83 -0.72	35.35 2.84 -0.97	40.59 3.12 -2.76	41.92 3.34 -0.64	43.22 4.04 -0.35	44.59 4.05 -0.47	49.17 4.27 0.00	61.22 5.96 -0.63	62.89 6.18 0.00	56.29 5.30 0.00	51.50 4.64 0.00	42.98 3.77 0.00	35.71 2.71 0.00	31.54 2.50 0.00
RAVENSWOOD___4 23820	28.01 2.24 -0.01	24.62 1.84 -0.01	23.49 1.78 -0.01	23.04 1.59 -0.01	23.37 1.79 -0.01	24.67 1.85 0.00	28.56 2.14 0.00	30.68 2.45 0.00	31.21 2.66 -0.01	32.21 2.76 -0.47	33.77 2.95 -0.72	35.48 2.96 -0.98	40.65 3.19 -2.76	42.04 3.45 -0.64	43.34 4.16 -0.35	44.67 4.13 -0.47	49.08 4.18 0.00	61.05 5.79 -0.63	62.67 5.95 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.06 3.85 0.00	35.81 2.80 -0.01	31.66 2.61 -0.01
RCPI_TRUST___DRP 24196	27.93 2.16 0.00	24.54 1.78 0.00	23.20 1.50 0.00	22.97 1.52 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.70 2.89 -0.72	35.44 2.93 -0.97	40.61 3.23 -2.68	41.92 3.34 -0.64	43.30 4.12 -0.35	44.67 4.13 -0.47	49.30 4.40 0.00	61.43 6.17 -0.63	63.06 6.35 0.00	56.39 5.40 0.00	51.64 4.78 0.00	43.06 3.84 0.00	35.77 2.77 0.00	31.57 2.53 0.00
RED___ROCHESTER 323720	25.79 0.03 0.00	22.65 -0.11 0.00	21.53 -0.17 0.00	21.00 -0.45 0.00	21.32 -0.26 0.00	22.53 -0.30 0.00	25.72 0.16 0.86	27.21 0.34 1.35	28.27 0.57 0.84	28.51 0.55 1.03	29.46 0.57 1.21	30.89 0.66 1.32	33.29 0.45 1.87	36.43 0.72 2.24	37.39 0.93 2.37	38.43 0.92 2.57	44.22 1.57 2.25	51.19 1.09 4.53	51.83 0.57 5.45	46.99 0.61 4.61	43.46 0.47 3.86	36.78 0.43 2.87	31.53 0.46 1.93	28.30 0.29 1.03
REGAN___SOLAR 323812	29.65 3.89 0.00	26.25 3.48 0.00	24.96 3.25 0.00	24.45 3.00 0.00	24.81 3.24 0.00	26.29 3.47 0.00	30.75 4.33 0.00	32.68 4.46 0.00	32.85 4.31 0.00	32.75 3.89 0.12	33.58 3.67 0.19	35.39 4.10 0.26	39.05 4.72 0.37	43.32 5.54 0.17	44.88 6.13 0.09	46.89 6.93 0.12	53.43 8.53 0.00	65.94 11.48 0.17	68.63 11.91 0.00	62.46 11.47 0.00	56.93 10.08 0.00	47.10 7.88 0.00	39.04 6.04 0.00	34.06 5.02 0.00
RENSSELAER___COGEN 23796	26.54 0.77 0.00	23.68 0.91 0.00	22.57 0.87 0.00	22.24 0.79 0.00	22.46 0.89 0.00	23.71 0.89 0.00	27.29 0.87 0.00	28.87 0.65 0.00	29.08 0.54 0.00	29.25 0.49 0.23	30.25 0.51 0.36	31.59 0.54 0.49	34.62 0.63 0.70	38.31 0.68 0.32	39.71 1.05 0.17	41.04 1.20 0.23	46.29 1.39 0.00	56.17 1.86 0.32	58.75 2.04 0.00	52.82 1.83 0.00	48.64 1.78 0.00	40.62 1.41 0.00	33.86 0.86 0.00	29.82 0.78 0.00
REPUBLIC_115KV_BARTNBRK 55605	28.21 2.45 0.00	24.91 2.14 0.00	23.74 2.04 0.00	23.42 1.97 0.00	23.52 1.94 0.00	25.06 2.24 0.00	29.06 2.64 0.00	30.87 2.65 0.00	31.17 2.63 0.00	31.17 2.44 0.25	31.93 2.23 0.39	33.19 2.18 0.53	36.64 2.71 0.77	40.71 3.11 0.35	42.03 3.38 0.19	43.79 3.97 0.26	50.02 5.12 0.00	61.00 6.72 0.35	63.52 6.81 0.00	57.72 6.73 0.00	52.90 6.04 0.00	43.92 4.71 0.00	36.50 3.50 0.00	32.03 2.99 0.00
REVERE_CPPR_DRP 24186	26.82 1.06 0.00	23.61 0.84 0.00	22.40 0.69 0.00	22.07 0.62 0.00	22.18 0.60 0.00	23.62 0.80 0.00	27.34 1.08 0.16	29.16 1.19 0.25	29.56 1.17 0.16	30.01 1.22 0.19	31.17 1.29 0.22	32.78 1.48 0.24	35.95 1.60 0.35	39.50 1.97 0.42	40.45 2.06 0.44	41.80 2.20 0.48	47.13 2.65 0.42	56.90 3.11 0.84	58.85 3.29 1.15	53.17 3.16 0.98	48.85 2.81 0.82	41.00 2.31 0.53	34.36 1.72 0.36	30.21 1.36 0.19
REYNOLDS_115KV_TB3 80639	26.64 0.88 0.00	23.72 0.96 0.00	22.53 0.82 0.00	22.28 0.84 0.00	22.33 0.76 0.00	23.78 0.96 0.00	27.35 0.92 0.00	28.95 0.73 0.00	29.17 0.63 0.01	29.32 0.61 0.28	30.29 0.63 0.44	31.58 0.63 0.59	34.61 0.76 0.86	38.31 0.76 0.39	39.79 1.17 0.21	41.03 1.24 0.29	46.43 1.53 0.00	56.26 2.02 0.39	58.92 2.21 0.00	52.92 1.94 0.00	48.78 1.92 0.00	40.74 1.53 0.00	33.99 0.99 0.00	29.94 0.90 0.00
RIVERBAY____ 323610	28.14 2.37 -0.01	24.78 2.00 -0.01	23.43 1.71 -0.01	23.21 1.76 -0.01	23.25 1.66 -0.01	24.86 2.03 0.00	28.72 2.30 0.00	30.73 2.51 0.00	31.30 2.74 -0.01	32.25 2.81 -0.45	33.78 2.98 -0.71	35.50 3.00 -0.96	39.39 3.26 -1.42	41.96 3.38 -0.64	43.26 4.08 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.05 5.79 -0.63	62.78 6.07 0.00	56.14 5.15 0.00	51.40 4.55 0.00	43.14 3.92 0.00	35.98 2.97 -0.01	31.81 2.76 -0.01
RIVERSDE_115KV_TB3 55908	26.61 0.85 0.00	23.72 0.96 0.00	22.53 0.82 0.00	22.28 0.84 0.00	22.35 0.78 0.00	23.78 0.96 0.00	27.35 0.92 0.00	28.95 0.73 0.00	29.17 0.63 0.01	29.31 0.58 0.26	30.30 0.60 0.40	31.63 0.63 0.54	34.68 0.76 0.78	38.38 0.80 0.36	39.85 1.20 0.19	41.10 1.28 0.26	46.47 1.57 0.00	56.35 2.08 0.35	58.98 2.27 0.00	52.97 1.99 0.00	48.78 1.92 0.00	40.74 1.53 0.00	33.99 0.99 0.00	29.91 0.87 0.00
ROARING___BROOK_WT_PWR 323790	25.12 -0.64 0.00	22.20 -0.57 0.00	21.14 -0.56 0.00	20.95 -0.49 0.00	21.04 -0.54 0.00	22.30 -0.52 0.00	25.86 -0.56 0.00	27.68 -0.54 0.00	28.09 -0.46 0.00	28.61 -0.38 0.00	29.70 -0.39 0.00	31.13 -0.41 0.00	34.22 -0.49 0.00	37.34 -0.61 0.00	38.06 -0.78 0.00	39.16 -0.92 0.00	43.73 -1.17 0.00	53.27 -1.36 0.00	47.35 -1.36 8.00	42.94 -1.27 6.77	40.02 -1.17 5.67	38.27 -0.94 0.00	32.30 -0.69 0.00	28.37 -0.67 0.00
ROCHESRG_115KV_T4 355643	25.53 -0.23 0.00	22.40 -0.36 0.00	21.10 -0.61 0.00	20.83 -0.62 0.00	20.87 -0.71 0.00	22.32 -0.50 0.00	25.44 -0.11 0.87	26.85 0.00 1.37	27.89 0.20 0.86	28.11 0.17 1.05	29.05 0.18 1.23	30.43 0.22 1.34	32.80 0.00 1.90	35.86 0.19 2.27	36.66 0.23 2.41	37.74 0.28 2.61	43.42 0.81 2.29	50.35 0.33 4.61	50.94 -0.23 5.54	46.24 -0.05 4.70	42.78 -0.14 3.93	36.22 -0.08 2.92	30.94 -0.10 1.96	28.00 0.00 1.04
ROCHESTER_9_IC 23652	25.69 -0.08 0.00	22.54 -0.23 0.00	21.20 -0.50 0.00	20.93 -0.51 0.00	20.97 -0.60 0.00	22.44 -0.39 0.00	25.62 0.05 0.86	27.07 0.20 1.35	28.13 0.43 0.84	28.36 0.41 1.03	29.31 0.42 1.21	30.70 0.47 1.32	33.11 0.28 1.87	36.20 0.49 2.24	37.05 0.58 2.37	38.15 0.64 2.57	43.90 1.26 2.25	50.86 0.76 4.53	51.49 0.23 5.45	46.68 0.31 4.61	43.18 0.19 3.86	36.54 0.20 2.87	31.20 0.13 1.93	28.19 0.17 1.03



ROCKVIEW_13_KV_LD 356306	27.88 2.11 0.00	24.50 1.73 0.00	23.16 1.45 0.00	22.95 1.50 0.00	22.98 1.40 0.00	24.58 1.76 0.00	28.43 2.01 0.00	30.56 2.34 0.00	31.07 2.51 -0.01	32.06 2.61 -0.46	33.61 2.80 -0.72	35.35 2.84 -0.97	39.27 3.16 -1.41	41.88 3.30 -0.64	43.22 4.04 -0.35	44.63 4.09 -0.47	49.35 4.45 0.00	61.43 6.17 -0.63	63.12 6.41 0.00	56.49 5.51 0.00	51.68 4.83 0.00	43.06 3.84 0.00	35.71 2.71 0.00	31.51 2.47 0.00
ROME____115KV_TB2 80656	26.82 1.06 0.00	23.61 0.84 0.00	22.40 0.69 0.00	22.07 0.62 0.00	22.18 0.60 0.00	23.62 0.80 0.00	27.34 1.08 0.16	29.16 1.19 0.25	29.56 1.17 0.16	30.01 1.22 0.19	31.17 1.29 0.22	32.78 1.48 0.24	35.95 1.60 0.35	39.50 1.97 0.42	40.45 2.06 0.44	41.80 2.20 0.48	47.13 2.65 0.42	56.90 3.11 0.84	58.85 3.29 1.15	53.17 3.16 0.98	48.85 2.81 0.82	41.00 2.31 0.53	34.36 1.72 0.36	30.21 1.36 0.19
ROSETON___1 23587	27.34 1.57 0.00	24.11 1.34 0.00	23.01 1.30 0.00	22.60 1.16 0.00	22.92 1.34 0.00	24.22 1.39 0.00	27.90 1.48 0.00	29.86 1.64 0.00	30.30 1.74 -0.01	31.21 1.80 -0.43	32.69 1.93 -0.67	34.37 1.92 -0.90	38.12 2.12 -1.30	40.82 2.28 -0.60	42.03 2.87 -0.32	43.43 2.92 -0.43	48.09 3.19 0.00	59.64 4.42 -0.59	61.36 4.65 0.00	54.97 3.98 0.00	50.37 3.52 0.00	42.00 2.78 0.00	34.88 1.88 0.00	30.81 1.77 0.00
ROSETON___2 23588	27.34 1.57 0.00	24.11 1.34 0.00	23.01 1.30 0.00	22.60 1.16 0.00	22.92 1.34 0.00	24.22 1.39 0.00	27.90 1.48 0.00	29.86 1.64 0.00	30.30 1.74 -0.01	31.21 1.80 -0.43	32.69 1.93 -0.67	34.37 1.92 -0.90	38.12 2.12 -1.30	40.82 2.28 -0.60	42.03 2.87 -0.32	43.43 2.92 -0.43	48.09 3.19 0.00	59.64 4.42 -0.59	61.36 4.65 0.00	54.97 3.98 0.00	50.37 3.52 0.00	42.00 2.78 0.00	34.88 1.88 0.00	30.81 1.77 0.00
ROTTDRAM_115KV_TB3 80664	26.67 0.90 0.00	23.59 0.82 0.00	22.42 0.72 0.00	22.15 0.71 0.00	22.25 0.67 0.00	23.67 0.84 0.00	27.32 0.90 0.00	29.12 0.90 0.00	29.40 0.86 0.00	29.64 0.84 0.19	30.63 0.84 0.30	31.95 0.82 0.41	35.08 0.97 0.59	38.74 1.06 0.27	40.05 1.36 0.15	41.32 1.44 0.20	46.65 1.75 0.00	56.66 2.29 0.27	59.15 2.44 0.00	53.23 2.24 0.00	48.92 2.06 0.00	40.86 1.65 0.00	34.15 1.15 0.00	30.06 1.02 0.00
RUSSELL___1 23602	25.79 0.03 0.00	22.63 -0.14 0.00	21.27 -0.43 0.00	21.00 -0.45 0.00	21.06 -0.52 0.00	22.53 -0.30 0.00	25.72 0.16 0.86	27.21 0.34 1.35	28.27 0.57 0.84	28.51 0.55 1.03	29.46 0.57 1.21	30.89 0.66 1.32	33.32 0.49 1.87	36.43 0.72 2.24	37.32 0.85 2.37	38.43 0.92 2.57	44.22 1.57 2.25	51.19 1.09 4.53	51.83 0.57 5.45	46.98 0.61 4.61	43.46 0.47 3.86	36.78 0.43 2.87	31.37 0.30 1.93	28.30 0.29 1.03
RUSSELL___2 23532	25.79 0.03 0.00	22.63 -0.14 0.00	21.27 -0.43 0.00	21.00 -0.45 0.00	21.06 -0.52 0.00	22.53 -0.30 0.00	25.72 0.16 0.86	27.21 0.34 1.35	28.27 0.57 0.84	28.51 0.55 1.03	29.46 0.57 1.21	30.89 0.66 1.32	33.32 0.49 1.87	36.43 0.72 2.24	37.32 0.85 2.37	38.43 0.92 2.57	44.22 1.57 2.25	51.19 1.09 4.53	51.83 0.57 5.45	46.98 0.61 4.61	43.46 0.47 3.86	36.78 0.43 2.87	31.37 0.30 1.93	28.30 0.29 1.03
RUSSELL___3 23549	25.79 0.03 0.00	22.63 -0.14 0.00	21.27 -0.43 0.00	21.00 -0.45 0.00	21.06 -0.52 0.00	22.53 -0.30 0.00	25.72 0.16 0.86	27.21 0.34 1.35	28.27 0.57 0.84	28.51 0.55 1.03	29.46 0.57 1.21	30.89 0.66 1.32	33.32 0.49 1.87	36.43 0.72 2.24	37.32 0.85 2.37	38.43 0.92 2.57	44.22 1.57 2.25	51.19 1.09 4.53	51.83 0.57 5.45	46.98 0.61 4.61	43.46 0.47 3.86	36.78 0.43 2.87	31.37 0.30 1.93	28.30 0.29 1.03
RUSSELL___4 23556	25.79 0.03 0.00	22.63 -0.14 0.00	21.27 -0.43 0.00	21.00 -0.45 0.00	21.06 -0.52 0.00	22.53 -0.30 0.00	25.72 0.16 0.86	27.21 0.34 1.35	28.27 0.57 0.84	28.51 0.55 1.03	29.46 0.57 1.21	30.89 0.66 1.32	33.32 0.49 1.87	36.43 0.72 2.24	37.32 0.85 2.37	38.43 0.92 2.57	44.22 1.57 2.25	51.19 1.09 4.53	51.83 0.57 5.45	46.98 0.61 4.61	43.46 0.47 3.86	36.78 0.43 2.87	31.37 0.30 1.93	28.30 0.29 1.03
RUSSELL___STATION 23914	25.79 0.03 0.00	22.63 -0.14 0.00	21.27 -0.43 0.00	21.00 -0.45 0.00	21.06 -0.52 0.00	22.53 -0.30 0.00	25.72 0.16 0.86	27.21 0.34 1.35	28.27 0.57 0.84	28.51 0.55 1.03	29.46 0.57 1.21	30.89 0.66 1.32	33.32 0.49 1.87	36.43 0.72 2.24	37.32 0.85 2.37	38.43 0.92 2.57	44.22 1.57 2.25	51.19 1.09 4.53	51.83 0.57 5.45	46.98 0.61 4.61	43.46 0.47 3.86	36.78 0.43 2.87	31.37 0.30 1.93	28.30 0.29 1.03
S SALMON___HYD 24043	25.69 -0.08 0.00	22.61 -0.16 0.00	21.53 -0.17 0.00	21.15 -0.30 0.00	21.38 -0.19 0.00	22.64 -0.18 0.00	26.64 -0.05 -0.28	28.68 0.03 -0.43	28.82 0.00 -0.27	29.35 0.03 -0.33	30.48 0.00 -0.39	32.00 0.03 -0.42	35.30 0.00 -0.60	38.66 0.00 -0.72	39.60 0.00 -0.76	40.98 0.08 -0.83	45.72 0.09 -0.72	56.14 0.05 -1.46	58.29 0.17 -1.40	52.58 0.41 -1.19	48.18 0.33 -1.00	40.33 0.20 -0.92	33.82 0.20 -0.62	29.40 0.03 -0.33
S.PERRY___115KV_TB1 80734	26.54 0.77 0.00	23.22 0.46 0.00	21.75 0.04 0.00	21.47 0.02 0.00	21.53 -0.04 0.00	23.17 0.34 0.00	26.63 0.87 0.66	28.27 1.10 1.05	29.03 1.14 0.65	29.23 1.04 0.80	30.03 0.87 0.94	31.44 0.91 1.02	33.88 0.62 1.45	35.83 -0.38 1.74	36.68 -0.31 1.84	37.92 -0.16 1.99	43.82 0.67 1.75	51.66 0.55 3.52	52.82 0.34 4.23	48.07 0.66 3.58	44.46 0.61 3.00	37.42 0.43 2.23	32.75 1.25 1.50	29.26 1.02 0.80
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	25.43 -0.33 0.00	22.18 -0.59 0.00	20.79 -0.91 0.00	20.52 -0.92 0.00	20.48 -1.10 0.00	22.05 -0.78 0.00	24.89 -0.77 0.76	26.37 -0.65 1.20	27.51 -0.29 0.75	27.69 -0.38 0.92	28.60 -0.42 1.07	29.87 -0.50 1.17	32.14 -0.90 1.66	35.27 -0.68 1.99	36.07 -0.66 2.11	36.95 -0.84 2.28	42.67 -0.22 2.00	49.45 -1.15 4.03	49.94 -1.93 4.84	45.40 -1.48 4.10	41.87 -1.55 3.44	35.41 -1.25 2.55	30.36 -0.92 1.72	27.49 -0.64 0.91
SAWYER___23_KV_LOAD 55526	25.43 -0.33 0.00	22.18 -0.59 0.00	20.79 -0.91 0.00	20.52 -0.92 0.00	20.48 -1.10 0.00	22.05 -0.78 0.00	24.89 -0.77 0.76	26.37 -0.65 1.20	27.51 -0.29 0.75	27.69 -0.38 0.92	28.60 -0.42 1.07	29.87 -0.50 1.17	32.14 -0.90 1.66	35.27 -0.68 1.99	36.07 -0.66 2.11	36.95 -0.84 2.28	42.67 -0.22 2.00	49.45 -1.15 4.03	49.94 -1.93 4.84	45.40 -1.48 4.10	41.87 -1.55 3.44	35.41 -1.25 2.55	30.36 -0.92 1.72	27.49 -0.64 0.91
SELKIRK___I 23801	26.69 0.93 0.00	23.72 0.96 0.00	22.64 0.93 0.00	22.28 0.84 0.00	22.51 0.93 0.00	23.76 0.94 0.00	27.34 0.92 0.00	28.93 0.71 0.00	29.11 0.57 0.00	29.32 0.46 0.13	30.31 0.42 0.20	31.71 0.44 0.27	34.83 0.52 0.39	38.37 0.61 0.18	39.67 0.93 0.10	41.06 1.12 0.13	46.29 1.39 0.00	56.41 1.96 0.18	58.87 2.15 0.00	52.97 1.99 0.00	48.82 1.97 0.00	40.78 1.57 0.00	34.05 1.06 0.00	30.03 0.99 0.00



SELKIRK___II 23799	26.56 0.80 0.00	23.61 0.84 0.00	22.53 0.82 0.00	22.18 0.73 0.00	22.42 0.84 0.00	23.67 0.84 0.00	27.24 0.82 0.00	28.90 0.68 0.00	29.14 0.60 0.00	29.40 0.58 0.16	30.44 0.60 0.26	31.79 0.60 0.35	34.89 0.69 0.50	38.47 0.76 0.23	39.80 1.09 0.12	41.15 1.24 0.17	46.29 1.39 0.00	56.31 1.91 0.23	58.81 2.10 0.00	52.82 1.83 0.00	48.64 1.78 0.00	40.62 1.41 0.00	33.89 0.89 0.00	29.85 0.81 0.00
SENECA OSWGO___HYD 24041	25.53 -0.23 0.00	22.50 -0.27 0.00	21.42 -0.28 0.00	21.06 -0.39 0.00	21.28 -0.30 0.00	22.50 -0.32 0.00	26.76 -0.24 -0.58	28.96 -0.17 -0.91	28.95 -0.17 -0.57	29.54 -0.14 -0.70	30.73 -0.18 -0.81	32.28 -0.16 -0.89	35.76 -0.21 -1.26	39.27 -0.19 -1.51	40.28 -0.15 -1.60	41.81 0.00 -1.73	46.65 0.23 -1.52	57.80 0.11 -3.06	60.45 0.06 -3.68	54.21 0.10 -3.12	49.51 0.05 -2.61	41.07 -0.08 -1.94	34.20 -0.10 -1.30	29.56 -0.17 -0.69
SENECA___115KV_TB3 355854	25.76 0.00 0.00	22.45 -0.32 0.00	21.03 -0.67 0.00	20.76 -0.69 0.00	20.71 -0.86 0.00	22.34 -0.48 0.00	25.05 -0.63 0.73	26.61 -0.45 1.16	27.77 -0.06 0.72	27.93 -0.17 0.89	28.91 -0.15 1.03	30.16 -0.25 1.13	32.51 -0.59 1.60	35.72 -0.30 1.92	36.57 -0.23 2.03	37.48 -0.40 2.20	43.24 0.27 1.93	50.20 -0.55 3.88	50.74 -1.30 4.67	46.06 -0.97 3.95	42.42 -1.12 3.31	35.82 -0.94 2.46	30.65 -0.69 1.65	27.67 -0.49 0.88
SENECA___ENERGY 23797	25.76 0.00 0.00	22.65 -0.11 0.00	21.57 -0.13 0.00	21.13 -0.32 0.00	21.40 -0.17 0.00	22.71 -0.11 0.00	26.34 0.11 0.19	28.17 0.25 0.30	28.67 0.31 0.19	29.05 0.29 0.23	30.07 0.24 0.27	31.50 0.25 0.29	34.50 0.21 0.41	37.79 0.34 0.50	38.70 0.39 0.53	40.07 0.56 0.57	45.43 1.03 0.50	54.61 0.98 1.01	56.35 0.85 1.21	50.83 0.87 1.03	46.65 0.66 0.86	38.97 0.39 0.64	32.90 0.33 0.43	28.96 0.15 0.23
SHOEMAKER___GT 23640	27.31 1.55 0.00	24.06 1.30 0.00	22.96 1.26 0.00	22.52 1.07 0.00	22.85 1.27 0.00	24.15 1.32 0.00	27.85 1.43 0.00	29.77 1.55 0.00	30.21 1.66 -0.01	31.07 1.68 -0.40	32.55 1.84 -0.62	34.18 1.80 -0.84	37.93 2.01 -1.22	40.70 2.20 -0.56	41.90 2.76 -0.30	43.37 2.89 -0.41	48.09 3.19 0.00	59.55 4.37 -0.55	61.30 4.59 0.00	54.91 3.93 0.00	50.32 3.47 0.00	41.92 2.70 0.00	34.78 1.78 0.00	30.72 1.68 0.00
SHOEMAKR_138KV_BK 111 55601	27.31 1.55 0.00	24.07 1.30 0.00	22.75 1.04 0.00	22.52 1.07 0.00	22.55 0.97 0.00	24.13 1.30 0.00	27.85 1.43 0.00	29.77 1.55 0.00	30.21 1.66 -0.01	31.10 1.71 -0.40	32.55 1.84 -0.62	34.21 1.83 -0.84	37.92 2.01 -1.21	40.66 2.16 -0.55	41.93 2.80 -0.30	43.32 2.85 -0.40	48.09 3.19 0.00	59.54 4.37 -0.55	61.31 4.59 0.00	54.86 3.87 0.00	50.28 3.42 0.00	41.92 2.71 0.00	34.81 1.81 0.00	30.72 1.68 0.00
SHOREHAM_IC_1 23715	28.26 2.50 0.00	24.89 2.12 0.00	23.63 1.93 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.88 2.06 0.00	28.35 1.93 0.00	30.42 2.20 0.00	30.78 2.23 -0.01	31.62 2.18 -0.46	33.34 2.53 -0.72	34.91 2.40 -0.97	38.49 2.39 -1.39	40.90 2.31 -0.64	42.17 2.99 -0.35	43.83 3.29 -0.47	48.54 3.64 0.00	60.84 5.57 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.68 4.83 0.00	43.22 4.00 0.00	35.27 2.28 0.00	31.80 2.76 0.00
SHOREHAM_IC_2 23716	28.26 2.50 0.00	24.89 2.12 0.00	23.63 1.93 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.88 2.06 0.00	28.35 1.93 0.00	30.42 2.20 0.00	30.78 2.23 -0.01	31.62 2.18 -0.46	33.34 2.53 -0.72	34.91 2.40 -0.97	38.49 2.39 -1.39	40.90 2.31 -0.64	42.17 2.99 -0.35	43.83 3.29 -0.47	48.54 3.64 0.00	60.84 5.57 -0.63	63.12 6.41 0.00	56.80 5.81 0.00	51.68 4.83 0.00	43.22 4.00 0.00	35.27 2.28 0.00	31.80 2.76 0.00
SISSONVILLE____ 23735	25.30 -0.46 0.00	22.38 -0.39 0.00	21.51 -0.20 0.00	21.19 -0.26 0.00	21.47 -0.11 0.00	22.48 -0.34 0.00	26.13 -0.29 0.00	27.94 -0.28 0.00	28.09 -0.46 0.00	28.38 -0.61 0.00	29.43 -0.66 0.00	31.13 -0.41 0.00	34.46 -0.24 0.00	37.64 -0.30 0.00	38.14 -0.70 0.00	39.23 -0.84 0.00	42.79 -2.11 0.00	51.46 -3.17 0.00	49.74 -3.23 3.74	45.07 -2.75 3.17	41.77 -2.44 2.65	38.16 -1.06 0.00	32.50 -0.49 0.00	28.52 -0.52 0.00
SITHE_IND_GS1 24169	25.17 -0.59 0.00	22.20 -0.57 0.00	21.14 -0.56 0.00	20.78 -0.67 0.00	21.00 -0.58 0.00	22.21 -0.62 0.00	20.08 -0.63 5.71	18.59 -0.62 9.01	22.32 -0.60 5.63	21.48 -0.61 6.90	21.39 -0.66 8.04	22.10 -0.66 8.78	21.49 -0.76 12.45	22.23 -0.80 14.92	22.23 -0.78 15.83	22.23 -0.72 17.13	29.19 -0.67 15.04	23.47 -0.93 30.23	19.28 -1.08 36.35	19.28 -0.92 30.79	20.18 -0.89 25.78	19.31 -0.78 19.12	19.43 -0.69 12.87	21.56 -0.64 6.84
SITHE_IND_GS2 24170	25.17 -0.59 0.00	22.20 -0.57 0.00	21.14 -0.56 0.00	20.78 -0.67 0.00	21.00 -0.58 0.00	22.21 -0.62 0.00	20.08 -0.63 5.71	18.59 -0.62 9.01	22.32 -0.60 5.63	21.48 -0.61 6.90	21.39 -0.66 8.04	22.10 -0.66 8.78	21.49 -0.76 12.45	22.23 -0.80 14.92	22.23 -0.78 15.83	22.23 -0.72 17.13	29.19 -0.67 15.04	23.47 -0.93 30.23	19.28 -1.08 36.35	19.28 -0.92 30.79	20.18 -0.89 25.78	19.31 -0.78 19.12	19.43 -0.69 12.87	21.56 -0.64 6.84
SITHE_IND_GS3 24171	25.17 -0.59 0.00	22.20 -0.57 0.00	21.14 -0.56 0.00	20.78 -0.67 0.00	21.00 -0.58 0.00	22.21 -0.62 0.00	20.08 -0.63 5.71	18.59 -0.62 9.01	22.32 -0.60 5.63	21.48 -0.61 6.90	21.39 -0.66 8.04	22.10 -0.66 8.78	21.49 -0.76 12.45	22.23 -0.80 14.92	22.23 -0.78 15.83	22.23 -0.72 17.13	29.19 -0.67 15.04	23.47 -0.93 30.23	19.28 -1.08 36.35	19.28 -0.92 30.79	20.18 -0.89 25.78	19.31 -0.78 19.12	19.43 -0.69 12.87	21.56 -0.64 6.84
SITHE_IND_GS4 24172	25.17 -0.59 0.00	22.20 -0.57 0.00	21.14 -0.56 0.00	20.78 -0.67 0.00	21.00 -0.58 0.00	22.21 -0.62 0.00	20.08 -0.63 5.71	18.59 -0.62 9.01	22.32 -0.60 5.63	21.48 -0.61 6.90	21.39 -0.66 8.04	22.10 -0.66 8.78	21.49 -0.76 12.45	22.23 -0.80 14.92	22.23 -0.78 15.83	22.23 -0.72 17.13	29.19 -0.67 15.04	23.47 -0.93 30.23	19.28 -1.08 36.35	19.28 -0.92 30.79	20.18 -0.89 25.78	19.31 -0.78 19.12	19.43 -0.69 12.87	21.56 -0.64 6.84
SITHE___BATAVIA 24024	25.95 0.18 0.00	22.70 -0.07 0.00	21.60 -0.11 0.00	20.98 -0.47 0.00	21.34 -0.24 0.00	22.55 -0.27 0.00	25.72 0.11 0.80	27.27 0.31 1.27	28.38 0.63 0.79	28.48 0.46 0.97	29.48 0.51 1.13	30.81 0.50 1.23	33.09 0.14 1.75	36.38 0.53 2.10	37.35 0.74 2.23	38.35 0.68 2.41	44.27 1.48 2.11	51.20 0.82 4.25	51.72 0.11 5.11	47.02 0.36 4.33	43.42 0.19 3.62	36.76 0.24 2.69	31.59 0.40 1.81	28.31 0.23 0.96
SITHE___INDEPEND 23800	25.17 -0.59 0.00	22.20 -0.57 0.00	21.05 -0.65 0.00	20.78 -0.66 0.00	20.89 -0.69 0.00	22.21 -0.62 0.00	20.08 -0.63 5.71	18.59 -0.62 9.01	22.32 -0.60 5.63	21.48 -0.61 6.90	21.39 -0.66 8.04	22.10 -0.66 8.78	21.46 -0.80 12.45	22.23 -0.80 14.92	22.23 -0.78 15.83	22.23 -0.72 17.13	29.19 -0.67 15.04	23.47 -0.93 30.23	19.28 -1.08 36.35	19.28 -0.92 30.79	20.18 -0.89 25.78	19.31 -0.78 19.12	19.40 -0.73 12.87	21.56 -0.64 6.84



SITHE___MASSENA 23902	25.33 -0.44 0.00	22.43 -0.34 0.00	21.38 -0.32 0.00	21.25 -0.19 0.00	21.26 -0.32 0.00	22.53 -0.30 0.00	26.10 -0.32 0.00	27.88 -0.34 0.00	28.17 -0.37 0.00	28.58 -0.41 0.00	29.64 -0.45 0.00	31.17 -0.38 0.00	34.35 -0.35 0.00	37.53 -0.42 0.00	38.10 -0.74 0.00	39.03 -1.04 0.00	43.15 -1.75 0.00	52.28 -2.35 0.00	49.68 -2.49 4.54	44.95 -2.19 3.84	41.72 -1.92 3.21	38.24 -0.98 0.00	32.44 -0.56 0.00	28.55 -0.49 0.00
SITHE___OGDNSBRG 24021	25.53 -0.23 0.00	22.61 -0.16 0.00	21.75 0.04 0.00	21.43 -0.02 0.00	21.71 0.13 0.00	22.71 -0.11 0.00	26.37 -0.05 0.00	28.16 -0.06 0.00	28.35 -0.20 0.00	28.70 -0.29 0.00	29.79 -0.30 0.00	31.35 -0.19 0.00	34.60 -0.10 0.00	37.79 -0.15 0.00	38.33 -0.50 0.00	39.43 -0.64 0.00	43.24 -1.66 0.00	52.33 -2.29 0.00	50.39 -2.27 4.05	45.72 -1.84 3.43	42.35 -1.64 2.87	38.67 -0.55 0.00	32.83 -0.16 0.00	28.81 -0.23 0.00
SITHE___STERLING 23777	26.61 0.85 0.00	23.45 0.68 0.00	22.33 0.63 0.00	21.92 0.47 0.00	22.16 0.58 0.00	23.49 0.66 0.00	27.09 0.87 0.20	28.89 0.99 0.32	29.32 0.97 0.20	29.73 0.99 0.24	30.87 1.05 0.28	32.40 1.17 0.31	35.51 1.25 0.44	38.98 1.56 0.52	39.95 1.67 0.56	41.36 1.88 0.60	46.66 2.29 0.53	56.24 2.68 1.06	58.21 2.78 1.28	52.55 2.65 1.08	48.25 2.30 0.91	40.39 1.84 0.67	33.93 1.39 0.45	29.90 1.10 0.24
SLEIGHT___34_KV_TB1 80719	25.56 -0.21 0.00	22.45 -0.32 0.00	21.16 -0.54 0.00	20.89 -0.56 0.00	20.97 -0.60 0.00	22.41 -0.41 0.00	25.74 -0.03 0.65	27.31 0.11 1.03	28.16 0.26 0.64	28.46 0.26 0.79	29.39 0.21 0.92	30.86 0.32 1.00	33.52 0.24 1.42	36.70 0.46 1.70	37.57 0.54 1.81	38.80 0.68 1.95	44.40 1.21 1.72	52.11 0.93 3.45	53.07 0.51 4.15	47.98 0.51 3.51	44.29 0.37 2.94	37.27 0.24 2.18	31.60 0.07 1.47	28.29 0.03 0.78
SOUTH CAIRO___GT 23612	27.44 1.67 0.00	24.38 1.62 0.00	23.14 1.43 0.00	22.82 1.37 0.00	22.89 1.32 0.00	24.33 1.51 0.00	28.06 1.64 0.00	29.43 1.21 0.00	29.57 1.03 0.00	29.83 0.90 0.05	30.91 0.90 0.08	32.25 0.82 0.11	35.75 1.21 0.16	39.39 1.52 0.07	40.74 1.94 0.04	42.23 2.20 0.05	47.73 2.83 0.00	58.76 4.21 0.07	61.25 4.54 0.00	55.12 4.13 0.00	50.70 3.84 0.00	42.12 2.90 0.00	34.72 1.72 0.00	30.46 1.42 0.00
SOUTH HAMPTN___IC 23720	28.49 2.73 0.00	25.09 2.32 0.00	23.85 2.15 0.00	23.33 1.89 0.00	23.69 2.12 0.00	25.06 2.24 0.00	28.56 2.14 0.00	30.65 2.43 0.00	31.01 2.46 -0.01	31.85 2.40 -0.46	33.61 2.80 -0.72	35.22 2.71 -0.97	38.80 2.71 -1.39	41.28 2.69 -0.64	42.56 3.38 -0.35	44.27 3.73 -0.47	49.03 4.13 0.00	61.43 6.17 -0.63	63.74 7.03 0.00	57.36 6.37 0.00	52.15 5.29 0.00	43.57 4.35 0.00	35.54 2.54 0.00	32.03 2.99 0.00
SOUTHDOW___115KV_TB1 355954	26.64 0.88 0.00	23.09 0.32 0.00	21.53 -0.17 0.00	21.21 -0.24 0.00	21.17 -0.41 0.00	22.96 0.14 0.00	25.65 -0.08 0.69	27.63 0.51 1.10	28.89 1.03 0.68	29.02 0.87 0.84	30.05 0.93 0.98	31.30 0.82 1.07	33.85 0.66 1.51	37.38 1.25 1.81	38.58 1.67 1.93	39.52 1.52 2.08	45.45 2.38 1.83	52.97 2.02 3.68	53.37 1.08 4.42	48.52 1.27 3.75	44.42 0.70 3.14	37.40 0.51 2.33	31.86 0.43 1.57	28.44 0.23 0.83
SOUTHOLD_69_KV_BK 2 55809	28.60 2.83 0.00	25.25 2.48 0.00	23.70 2.00 0.00	23.40 1.95 0.00	23.43 1.86 0.00	25.11 2.28 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.04 2.48 -0.01	31.88 2.44 -0.46	33.70 2.89 -0.72	35.32 2.81 -0.97	38.84 2.74 -1.39	41.20 2.62 -0.64	42.68 3.50 -0.35	44.27 3.73 -0.47	49.12 4.22 0.00	61.60 6.34 -0.63	63.97 7.26 0.00	57.41 6.42 0.00	52.34 5.48 0.00	43.65 4.43 0.00	35.80 2.80 0.00	32.00 2.96 0.00
SOUTHOLD___IC 23719	28.60 2.83 0.00	25.20 2.44 0.00	23.94 2.24 0.00	23.40 1.95 0.00	23.74 2.16 0.00	25.11 2.28 0.00	28.59 2.17 0.00	30.68 2.45 0.00	31.04 2.48 -0.01	31.88 2.44 -0.46	33.70 2.89 -0.72	35.29 2.78 -0.97	38.80 2.71 -1.39	41.28 2.69 -0.64	42.60 3.42 -0.35	44.31 3.77 -0.47	49.12 4.22 0.00	61.60 6.33 -0.63	63.97 7.26 0.00	57.57 6.58 0.00	52.34 5.48 0.00	43.64 4.43 0.00	35.51 2.51 0.00	32.00 2.96 0.00
SOUTH_FORK_WT_PWR 323839	28.42 2.65 0.00	25.04 2.28 0.00	23.79 2.08 0.00	23.25 1.80 0.00	23.56 1.98 0.00	24.92 2.10 0.00	28.38 1.96 0.00	30.42 2.20 0.00	30.78 2.23 -0.01	31.62 2.18 -0.46	33.43 2.62 -0.72	35.00 2.49 -0.97	38.46 2.36 -1.39	40.86 2.28 -0.64	42.17 2.99 -0.35	43.83 3.29 -0.47	48.58 3.68 0.00	60.94 5.68 -0.63	63.29 6.58 0.00	56.95 5.96 0.00	51.77 4.92 0.00	43.17 3.96 0.00	35.14 2.14 0.00	31.68 2.64 0.00
SPIERFLS_115KV_TB 1 80737	26.69 0.93 0.00	23.61 0.84 0.00	22.55 0.85 0.00	22.28 0.84 0.00	22.38 0.80 0.00	23.81 0.98 0.00	27.56 1.14 0.00	29.29 1.07 0.00	29.57 1.03 0.00	29.67 0.93 0.25	30.50 0.78 0.38	31.59 0.57 0.52	34.75 0.80 0.75	38.51 0.91 0.34	39.66 1.01 0.19	41.11 1.28 0.25	46.70 1.80 0.00	56.80 2.51 0.34	59.32 2.61 0.00	53.59 2.60 0.00	49.20 2.34 0.00	40.94 1.73 0.00	34.29 1.29 0.00	30.17 1.13 0.00
ST LAWRENCE___ 23600	25.09 -0.67 0.00	22.22 -0.55 0.00	21.16 -0.54 0.00	21.08 -0.36 0.00	21.04 -0.54 0.00	22.30 -0.52 0.00	25.81 -0.61 0.00	27.60 -0.62 0.00	27.89 -0.66 0.00	28.32 -0.67 0.00	29.40 -0.69 0.00	30.85 -0.69 0.00	34.01 -0.69 0.00	37.11 -0.83 0.00	37.67 -1.16 0.00	38.67 -1.40 0.00	43.06 -1.84 0.00	52.34 -2.29 0.00	49.63 -2.38 4.70	44.87 -2.14 3.98	41.60 -1.92 3.33	37.84 -1.37 0.00	32.11 -0.89 0.00	28.26 -0.78 0.00
STATE_CA_115KV_115_LB 55624	26.67 0.90 0.00	23.79 1.02 0.00	22.57 0.87 0.00	22.33 0.88 0.00	22.40 0.82 0.00	23.83 1.00 0.00	27.42 1.00 0.00	29.01 0.79 0.00	29.23 0.69 0.00	29.42 0.67 0.24	30.42 0.69 0.37	31.74 0.69 0.50	34.85 0.87 0.72	38.56 0.95 0.33	39.98 1.32 0.18	41.28 1.44 0.24	46.65 1.75 0.00	56.60 2.29 0.33	59.15 2.44 0.00	53.18 2.19 0.00	48.96 2.11 0.00	40.86 1.65 0.00	34.09 1.09 0.00	30.00 0.96 0.00
STATE_ST_34_KV_LOAD 55959	25.92 0.15 0.00	22.81 0.05 0.00	21.57 -0.13 0.00	21.30 -0.15 0.00	21.38 -0.19 0.00	22.85 0.02 0.00	26.66 0.24 0.00	28.59 0.37 0.00	28.95 0.40 0.00	29.42 0.43 0.00	30.46 0.36 0.00	31.98 0.44 0.00	35.15 0.45 0.00	38.55 0.61 0.00	39.54 0.70 0.00	40.96 0.88 0.00	46.29 1.39 0.00	56.05 1.42 0.00	58.07 1.36 0.00	52.21 1.22 0.00	47.93 1.08 0.00	39.96 0.75 0.00	33.46 0.46 0.00	29.36 0.32 0.00
STATION 5_MISC_HYD 23604	25.69 -0.08 0.00	22.56 -0.21 0.00	21.44 -0.26 0.00	20.93 -0.51 0.00	21.23 -0.35 0.00	22.44 -0.39 0.00	25.62 0.05 0.86	27.07 0.20 1.35	28.13 0.43 0.84	28.36 0.41 1.03	29.31 0.42 1.21	30.70 0.47 1.32	33.08 0.24 1.87	36.20 0.49 2.24	37.12 0.66 2.37	38.15 0.64 2.57	43.90 1.26 2.25	50.86 0.76 4.53	51.49 0.23 5.45	46.68 0.31 4.61	43.18 0.19 3.86	36.55 0.20 2.87	31.37 0.30 1.93	28.19 0.18 1.03



STA_168_34_KV_BK1_2_REV_LBMP_B 345032	25.89 0.13 0.00	22.74 -0.02 0.00	21.40 -0.30 0.00	21.15 -0.30 0.00	21.21 -0.37 0.00	22.71 -0.11 0.00	26.07 0.29 0.64	27.72 0.51 1.00	28.55 0.63 0.63	28.83 0.61 0.77	29.83 0.63 0.90	31.29 0.73 0.98	33.97 0.66 1.39	37.15 0.87 1.66	38.08 1.01 1.77	39.37 1.20 1.91	45.02 1.80 1.68	52.84 1.58 3.37	53.85 1.19 4.06	48.62 1.07 3.44	44.87 0.89 2.88	37.79 0.71 2.13	32.02 0.46 1.44	28.65 0.38 0.76
STA_56_34_KV_BUS2_REV_LBMP_B 345033	25.53 -0.23 0.00	22.43 -0.34 0.00	21.10 -0.61 0.00	20.83 -0.62 0.00	20.89 -0.69 0.00	22.34 -0.48 0.00	25.50 -0.08 0.84	26.95 0.06 1.33	27.97 0.26 0.83	28.23 0.26 1.02	29.18 0.27 1.19	30.59 0.35 1.30	33.04 0.17 1.84	36.09 0.34 2.20	36.97 0.47 2.34	38.07 0.52 2.53	43.76 1.08 2.22	50.77 0.60 4.46	51.41 0.06 5.36	46.55 0.10 4.54	43.10 0.05 3.80	36.47 0.08 2.82	31.07 -0.03 1.90	28.06 0.03 1.01
STA_56____34_KV_BUS2 355983	25.53 -0.23 0.00	22.43 -0.34 0.00	21.10 -0.61 0.00	20.83 -0.62 0.00	20.89 -0.69 0.00	22.34 -0.48 0.00	25.50 -0.08 0.84	26.95 0.06 1.33	27.97 0.26 0.83	28.23 0.26 1.02	29.18 0.27 1.19	30.59 0.35 1.30	33.04 0.17 1.84	36.09 0.34 2.20	36.97 0.47 2.34	38.07 0.52 2.53	43.76 1.08 2.22	50.77 0.60 4.46	51.41 0.06 5.36	46.55 0.10 4.54	43.10 0.05 3.80	36.47 0.08 2.82	31.07 -0.03 1.90	28.06 0.03 1.01
STA_67____115KV_BK2 355882	25.63 -0.13 0.00	22.49 -0.27 0.00	21.16 -0.54 0.00	20.89 -0.56 0.00	20.93 -0.65 0.00	22.39 -0.43 0.00	25.56 0.00 0.86	27.01 0.14 1.35	28.04 0.34 0.85	28.27 0.32 1.04	29.22 0.33 1.21	30.60 0.38 1.32	33.01 0.17 1.87	36.08 0.38 2.24	36.92 0.47 2.38	38.02 0.52 2.57	43.72 1.08 2.26	50.69 0.60 4.54	51.31 0.06 5.46	46.51 0.15 4.63	43.03 0.05 3.87	36.46 0.12 2.87	31.10 0.03 1.93	28.10 0.09 1.03
STA_7____115KV_9TRANS 80674	25.79 0.03 0.00	22.63 -0.14 0.00	21.27 -0.43 0.00	21.00 -0.45 0.00	21.06 -0.52 0.00	22.53 -0.30 0.00	25.72 0.16 0.86	27.21 0.34 1.35	28.27 0.57 0.84	28.51 0.55 1.03	29.46 0.57 1.21	30.89 0.66 1.32	33.32 0.49 1.87	36.43 0.72 2.24	37.32 0.85 2.37	38.43 0.92 2.57	44.22 1.57 2.25	51.19 1.09 4.53	51.83 0.57 5.45	46.98 0.61 4.61	43.46 0.47 3.86	36.78 0.43 2.87	31.37 0.30 1.93	28.30 0.29 1.03
STA_82____115KV_TB1 80780	25.66 -0.10 0.00	22.49 -0.27 0.00	21.16 -0.54 0.00	20.91 -0.54 0.00	20.95 -0.63 0.00	22.41 -0.41 0.00	25.57 0.00 0.85	27.06 0.17 1.33	28.08 0.37 0.83	28.32 0.35 1.02	29.23 0.33 1.19	30.65 0.41 1.30	33.07 0.21 1.84	36.11 0.38 2.21	36.96 0.47 2.35	38.06 0.52 2.54	43.79 1.12 2.23	50.75 0.60 4.48	51.44 0.11 5.39	46.63 0.20 4.56	43.13 0.09 3.82	36.50 0.12 2.83	31.16 0.07 1.91	28.14 0.12 1.01
STEEL____WIND 323596	25.74 -0.03 0.00	22.45 -0.32 0.00	21.44 -0.26 0.00	20.76 -0.69 0.00	21.12 -0.45 0.00	22.34 -0.48 0.00	25.03 -0.66 0.73	26.61 -0.45 1.16	27.74 -0.09 0.72	27.90 -0.20 0.89	28.88 -0.18 1.03	30.13 -0.28 1.13	32.37 -0.73 1.60	35.69 -0.34 1.92	36.57 -0.23 2.03	37.44 -0.44 2.20	43.19 0.23 1.93	50.15 -0.60 3.88	50.68 -1.36 4.67	46.06 -0.97 3.95	42.37 -1.17 3.31	35.78 -0.98 2.46	30.88 -0.46 1.65	27.64 -0.52 0.88
STEPHTWN_115KV_BK_2 55603	26.92 1.16 0.00	24.00 1.23 0.00	22.77 1.06 0.00	22.50 1.05 0.00	22.57 0.99 0.00	24.01 1.19 0.00	27.66 1.24 0.00	29.24 1.02 0.00	29.46 0.91 0.00	29.63 0.87 0.23	30.58 0.84 0.36	31.94 0.88 0.49	35.07 1.08 0.70	38.80 1.18 0.32	40.26 1.59 0.17	41.61 1.76 0.23	47.10 2.20 0.00	57.26 2.95 0.32	59.77 3.06 0.00	53.74 2.75 0.00	49.48 2.62 0.00	41.29 2.08 0.00	34.39 1.39 0.00	30.23 1.19 0.00
STEUBEN_REC_LFGE 323667	26.15 0.39 0.00	22.77 0.00 0.00	21.33 -0.37 0.00	21.06 -0.39 0.00	21.10 -0.47 0.00	22.85 0.02 0.00	26.12 0.16 0.46	28.00 0.51 0.72	28.87 0.77 0.45	29.20 0.72 0.51	30.12 0.60 0.58	31.50 0.57 0.61	34.26 0.42 0.86	37.38 0.57 1.14	38.26 0.66 1.24	39.50 0.76 1.33	45.35 1.66 1.21	53.79 1.53 2.37	54.92 1.13 2.93	49.68 1.17 2.48	45.58 0.80 2.08	38.07 0.39 1.54	32.29 0.33 1.04	28.72 0.23 0.55
STILLWATER____SOLAR 323814	27.00 1.24 0.00	23.88 1.12 0.00	22.83 1.13 0.00	22.48 1.03 0.00	22.70 1.12 0.00	23.99 1.16 0.00	27.66 1.24 0.00	29.41 1.19 0.00	29.65 1.11 0.01	29.76 1.04 0.27	30.70 1.02 0.42	31.98 1.01 0.57	35.06 1.18 0.83	38.93 1.36 0.38	40.26 1.63 0.20	41.76 1.96 0.28	47.19 2.29 0.00	57.31 3.06 0.37	59.94 3.23 0.00	54.10 3.11 0.00	49.71 2.86 0.00	41.45 2.23 0.00	34.58 1.58 0.00	30.46 1.42 0.00
STONY____BROOK 24151	28.57 2.81 0.00	25.14 2.37 0.00	23.89 2.19 0.00	23.40 1.95 0.00	23.76 2.18 0.00	25.13 2.30 0.00	28.69 2.27 0.00	30.79 2.57 0.00	31.18 2.62 -0.01	32.03 2.58 -0.46	33.76 2.95 -0.72	35.32 2.81 -0.97	38.94 2.85 -1.39	41.39 2.81 -0.64	42.60 3.42 -0.35	44.27 3.73 -0.47	48.90 3.99 0.00	61.16 5.90 -0.63	63.34 6.63 0.00	57.00 6.01 0.00	51.87 5.02 0.00	43.49 4.28 0.00	35.64 2.64 0.00	32.18 3.14 0.00
STURGEON_POOL_HYD 23609	27.52 1.75 0.00	24.18 1.41 0.00	22.85 1.15 0.00	22.61 1.16 0.00	22.66 1.08 0.00	24.24 1.42 0.00	27.95 1.53 0.00	29.97 1.75 0.00	30.46 1.91 0.00	31.29 2.06 -0.24	32.76 2.29 -0.38	34.33 2.27 -0.51	38.01 2.57 -0.74	41.02 2.73 -0.34	42.44 3.42 -0.18	43.81 3.49 -0.25	48.58 3.68 0.00	60.26 5.30 -0.34	62.10 5.39 0.00	55.47 4.49 0.00	50.79 3.94 0.00	42.27 3.06 0.00	35.01 2.01 0.00	30.90 1.86 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	27.41 1.65 0.00	24.16 1.39 0.00	22.81 1.11 0.00	22.58 1.14 0.00	22.64 1.06 0.00	24.22 1.39 0.00	27.93 1.51 0.00	29.91 1.69 0.00	30.38 1.83 -0.01	31.28 1.88 -0.41	32.78 2.05 -0.64	34.43 2.02 -0.87	38.18 2.22 -1.25	40.87 2.35 -0.57	42.18 3.03 -0.31	43.62 3.13 -0.42	48.31 3.41 0.00	59.95 4.75 -0.57	61.70 4.99 0.00	55.17 4.18 0.00	50.51 3.65 0.00	42.08 2.86 0.00	34.95 1.95 0.00	30.84 1.80 0.00
SWANROAD_115KV_TB1 355699	24.89 -0.88 0.00	21.72 -1.05 0.00	20.40 -1.30 0.00	20.14 -1.31 0.00	20.09 -1.49 0.00	21.57 -1.26 0.00	24.45 -1.19 0.78	25.78 -1.21 1.23	26.95 -0.83 0.77	27.06 -0.99 0.94	27.95 -1.05 1.10	29.18 -1.17 1.20	31.34 -1.67 1.70	34.36 -1.56 2.03	35.09 -1.59 2.16	35.94 -1.80 2.33	41.59 -1.26 2.05	48.05 -2.46 4.12	48.53 -3.23 4.95	44.14 -2.65 4.20	40.77 -2.58 3.51	34.53 -2.08 2.61	29.66 -1.58 1.75	26.92 -1.19 0.93
SYNERGY____BIOGAS 323694	25.95 0.18 0.00	22.70 -0.07 0.00	21.60 -0.11 0.00	20.98 -0.47 0.00	21.34 -0.24 0.00	22.55 -0.27 0.00	25.72 0.11 0.80	27.27 0.31 1.27	28.38 0.63 0.79	28.48 0.46 0.97	29.48 0.51 1.13	30.81 0.50 1.23	33.09 0.14 1.75	36.38 0.53 2.10	37.35 0.74 2.23	38.35 0.68 2.41	44.27 1.48 2.11	51.20 0.82 4.25	51.72 0.11 5.11	47.02 0.36 4.33	43.42 0.19 3.62	36.76 0.24 2.69	31.59 0.40 1.81	28.31 0.23 0.96



SYRACUSE___ENERGY_ST1 323597	25.84 0.08 0.00	22.74 -0.02 0.00	21.55 -0.15 0.00	21.28 -0.17 0.00	21.36 -0.22 0.00	22.76 -0.07 0.00	26.50 0.08 0.00	28.39 0.17 0.00	28.75 0.20 0.00	29.19 0.20 0.00	30.28 0.18 0.00	31.76 0.22 0.00	34.94 0.24 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.68 0.60 0.00	45.80 0.90 0.00	55.56 0.93 0.00	57.56 0.85 0.00	51.75 0.76 0.00	47.51 0.66 0.00	39.65 0.43 0.00	33.23 0.23 0.00	29.21 0.17 0.00
SYRACUSE___ENERGY_ST2 323598	25.84 0.08 0.00	22.74 -0.02 0.00	21.55 -0.15 0.00	21.28 -0.17 0.00	21.36 -0.22 0.00	22.76 -0.07 0.00	26.50 0.08 0.00	28.39 0.17 0.00	28.75 0.20 0.00	29.19 0.20 0.00	30.28 0.18 0.00	31.76 0.22 0.00	34.94 0.24 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.68 0.60 0.00	45.80 0.90 0.00	55.56 0.93 0.00	57.56 0.85 0.00	51.75 0.76 0.00	47.51 0.66 0.00	39.65 0.43 0.00	33.23 0.23 0.00	29.21 0.17 0.00
SYRACUSE___POWER 24017	25.81 0.05 0.00	22.72 -0.05 0.00	21.53 -0.17 0.00	21.25 -0.19 0.00	21.34 -0.24 0.00	22.76 -0.07 0.00	26.20 0.05 0.28	27.92 0.14 0.44	28.44 0.17 0.27	28.83 0.17 0.34	29.85 0.15 0.39	31.31 0.19 0.43	34.30 0.21 0.61	37.48 0.27 0.73	38.42 0.35 0.77	39.76 0.52 0.83	44.98 0.81 0.73	53.98 0.82 1.47	55.74 0.79 1.77	50.20 0.71 1.50	46.16 0.56 1.25	38.64 0.35 0.93	32.57 0.20 0.63	28.85 0.15 0.33
TALLMAN__138KV_BK151 55660	27.57 1.80 0.00	24.27 1.50 0.00	22.92 1.22 0.00	22.69 1.24 0.00	22.72 1.14 0.00	24.35 1.53 0.00	28.08 1.66 0.00	30.11 1.89 0.00	30.64 2.08 -0.01	31.56 2.15 -0.43	33.08 2.32 -0.67	34.72 2.27 -0.91	38.51 2.50 -1.31	41.16 2.62 -0.60	42.50 3.34 -0.32	43.92 3.41 -0.44	48.58 3.68 0.00	60.30 5.08 -0.59	62.04 5.33 0.00	55.47 4.49 0.00	50.75 3.89 0.00	42.27 3.06 0.00	35.14 2.14 0.00	31.04 2.00 0.00
TEALLAVE_115KV_TB7 355573	25.71 -0.05 0.00	22.63 -0.14 0.00	21.44 -0.26 0.00	21.19 -0.26 0.00	21.28 -0.30 0.00	22.66 -0.16 0.00	25.97 -0.05 0.40	27.63 0.03 0.62	28.21 0.06 0.39	28.60 0.09 0.48	29.60 0.06 0.56	31.03 0.09 0.61	33.91 0.07 0.86	37.06 0.15 1.03	37.93 0.19 1.10	39.21 0.32 1.19	44.49 0.63 1.04	53.08 0.55 2.09	54.65 0.45 2.52	49.26 0.41 2.13	45.35 0.28 1.79	38.05 0.16 1.32	32.14 0.03 0.89	28.59 0.03 0.47
TELGRAPH_34_KV_EAST 80808	25.53 -0.23 0.00	22.31 -0.46 0.00	20.92 -0.78 0.00	20.65 -0.79 0.00	20.65 -0.93 0.00	22.19 -0.64 0.00	25.20 -0.42 0.79	26.69 -0.28 1.25	27.77 0.00 0.78	27.89 -0.14 0.96	28.83 -0.15 1.12	30.10 -0.22 1.22	32.35 -0.62 1.73	35.49 -0.38 2.07	36.33 -0.31 2.20	37.46 -0.24 2.38	43.26 0.45 2.09	49.99 -0.44 4.20	50.47 -0.87 5.05	45.84 -0.87 4.28	42.34 -0.94 3.58	35.85 -0.71 2.66	30.65 -0.56 1.79	27.74 -0.35 0.95
TEMPLE___115KV_TB 2 55572	25.71 -0.05 0.00	22.65 -0.11 0.00	21.47 -0.24 0.00	21.19 -0.26 0.00	21.28 -0.30 0.00	22.66 -0.16 0.00	26.00 -0.03 0.40	27.65 0.06 0.63	28.24 0.09 0.39	28.63 0.12 0.48	29.63 0.09 0.56	31.06 0.13 0.61	33.94 0.10 0.87	37.10 0.19 1.04	37.97 0.23 1.10	39.29 0.40 1.19	44.53 0.67 1.05	53.13 0.60 2.10	54.69 0.51 2.53	49.30 0.46 2.14	45.39 0.33 1.79	38.04 0.16 1.33	32.17 0.07 0.90	28.59 0.03 0.48
TIANA____69_KV_BK 1 55817	28.49 2.73 0.00	25.11 2.35 0.00	23.61 1.91 0.00	23.33 1.89 0.00	23.39 1.81 0.00	25.06 2.24 0.00	28.56 2.14 0.00	30.65 2.43 0.00	31.04 2.48 -0.01	31.88 2.44 -0.46	33.64 2.83 -0.72	35.26 2.74 -0.97	38.84 2.74 -1.39	41.20 2.62 -0.64	42.68 3.50 -0.35	44.23 3.69 -0.47	49.03 4.13 0.00	61.43 6.17 -0.63	63.74 7.03 0.00	57.21 6.22 0.00	52.20 5.34 0.00	43.61 4.39 0.00	35.87 2.87 0.00	32.06 3.02 0.00
TILDEN___115KV_TB1 80814	25.81 0.05 0.00	22.72 -0.05 0.00	21.53 -0.17 0.00	21.25 -0.19 0.00	21.34 -0.24 0.00	22.76 -0.07 0.00	26.20 0.05 0.28	27.92 0.14 0.44	28.44 0.17 0.27	28.83 0.17 0.34	29.85 0.15 0.39	31.31 0.19 0.43	34.30 0.21 0.61	37.48 0.27 0.73	38.42 0.35 0.77	39.76 0.52 0.83	44.98 0.81 0.73	53.98 0.82 1.47	55.74 0.79 1.77	50.20 0.71 1.50	46.16 0.56 1.25	38.64 0.35 0.93	32.57 0.20 0.63	28.85 0.15 0.33
TRIGEN___CC 323695	28.16 2.40 0.00	24.79 2.03 0.00	23.35 1.65 0.00	23.10 1.65 0.00	23.15 1.58 0.00	24.81 1.99 0.00	28.48 2.06 0.00	30.59 2.37 0.00	31.04 2.48 -0.01	31.94 2.49 -0.46	33.64 2.83 -0.72	35.22 2.71 -0.97	38.98 2.88 -1.39	41.43 2.85 -0.64	42.87 3.69 -0.35	44.31 3.77 -0.47	48.99 4.09 0.00	61.11 5.85 -0.63	63.06 6.35 0.00	56.54 5.56 0.00	51.64 4.78 0.00	43.25 4.04 0.00	35.71 2.71 0.00	31.83 2.79 0.00
TRINITY__115KV__4 BK 55933	26.56 0.80 0.00	23.70 0.93 0.00	22.51 0.80 0.00	22.26 0.81 0.00	22.31 0.73 0.00	23.74 0.91 0.00	27.32 0.90 0.00	28.90 0.68 0.00	29.11 0.57 0.00	29.31 0.55 0.23	30.30 0.57 0.36	31.62 0.57 0.49	34.69 0.69 0.71	38.34 0.72 0.32	39.79 1.13 0.18	41.04 1.20 0.24	46.38 1.48 0.00	56.28 1.97 0.32	58.87 2.16 0.00	52.87 1.89 0.00	48.68 1.83 0.00	40.67 1.45 0.00	33.92 0.92 0.00	29.85 0.81 0.00
UNION___PROCESSING_DRP 323587	25.66 -0.10 0.00	22.52 -0.25 0.00	21.16 -0.54 0.00	20.91 -0.54 0.00	20.95 -0.63 0.00	22.41 -0.41 0.00	25.60 0.03 0.84	27.06 0.17 1.33	28.09 0.37 0.83	28.32 0.35 1.02	29.27 0.36 1.19	30.66 0.41 1.29	33.07 0.21 1.84	36.16 0.42 2.20	37.01 0.50 2.33	38.11 0.56 2.52	43.81 1.12 2.22	50.83 0.66 4.46	51.47 0.11 5.36	46.65 0.20 4.54	43.20 0.14 3.80	36.55 0.16 2.82	31.17 0.07 1.90	28.18 0.15 1.01
UPPER HUDSON___HYD 24058	26.69 0.93 0.00	23.61 0.84 0.00	22.66 0.95 0.00	22.28 0.84 0.00	22.53 0.95 0.00	23.80 0.98 0.00	27.56 1.14 0.00	29.29 1.07 0.00	29.57 1.03 0.00	29.67 0.93 0.25	30.49 0.78 0.38	31.62 0.60 0.52	34.75 0.80 0.75	38.55 0.95 0.34	39.66 1.01 0.19	41.27 1.44 0.25	46.70 1.80 0.00	56.81 2.51 0.34	59.32 2.61 0.00	53.58 2.60 0.00	49.20 2.34 0.00	40.94 1.72 0.00	34.28 1.29 0.00	30.17 1.13 0.00
UPPER RAQUET___HYD 24056	25.30 -0.46 0.00	22.38 -0.39 0.00	21.31 -0.39 0.00	21.19 -0.26 0.00	21.19 -0.39 0.00	22.48 -0.34 0.00	26.13 -0.29 0.00	27.94 -0.28 0.00	28.09 -0.46 0.00	28.38 -0.61 0.00	29.43 -0.66 0.00	31.13 -0.41 0.00	34.46 -0.24 0.00	37.64 -0.30 0.00	38.18 -0.66 0.00	39.00 -1.08 0.00	42.79 -2.11 0.00	51.46 -3.17 0.00	49.74 -3.23 3.74	45.07 -2.75 3.17	41.77 -2.44 2.65	38.16 -1.06 0.00	32.51 -0.49 0.00	28.52 -0.52 0.00
VALLEY44_115KV_TB2 355964	25.89 0.13 0.00	22.54 -0.23 0.00	21.05 -0.65 0.00	20.85 -0.60 0.00	20.78 -0.80 0.00	22.55 -0.27 0.00	24.65 -1.11 0.66	26.30 -0.87 1.05	27.35 -0.54 0.65	27.55 -0.64 0.80	28.50 -0.66 0.94	29.73 -0.79 1.02	32.11 -1.15 1.45	35.37 -0.83 1.73	36.26 -0.74 1.84	37.04 -1.04 1.99	42.66 -0.49 1.75	49.80 -1.31 3.52	50.44 -2.04 4.23	45.72 -1.68 3.58	41.94 -1.92 3.00	35.54 -1.45 2.22	30.35 -1.15 1.50	27.17 -1.07 0.80



VALLEY___115KV_TB 1-4 80826	25.92 0.15 0.00	22.90 0.14 0.00	21.81 0.11 0.00	21.55 0.11 0.00	21.66 0.09 0.00	23.01 0.18 0.00	26.63 0.21 0.00	28.45 0.23 0.00	28.80 0.26 0.00	29.28 0.29 0.00	30.43 0.33 0.00	31.89 0.35 0.00	35.05 0.35 0.00	38.32 0.38 0.00	39.34 0.50 0.00	40.48 0.40 0.00	45.39 0.49 0.00	55.28 0.66 0.00	57.62 0.68 -0.23	51.74 0.56 -0.19	47.53 0.52 -0.16	39.65 0.43 0.00	33.30 0.30 0.00	29.30 0.26 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	27.54 1.78 0.00	24.27 1.50 0.00	22.96 1.26 0.00	22.67 1.22 0.00	22.74 1.17 0.00	24.31 1.48 0.00	28.06 1.77 0.13	29.99 1.98 0.21	30.45 2.03 0.13	30.97 2.06 0.08	32.27 2.23 0.06	33.95 2.43 0.03	37.27 2.60 0.03	40.75 3.04 0.23	41.99 3.46 0.30	43.34 3.57 0.31	48.64 4.09 0.34	59.02 4.97 0.58	60.93 5.05 0.83	54.82 4.54 0.70	50.25 3.98 0.59	42.03 3.25 0.44	35.15 2.44 0.29	31.00 2.12 0.16
VISCHER___FERRY HYD 24020	26.80 1.03 0.00	23.77 1.00 0.00	22.68 0.98 0.00	22.35 0.90 0.00	22.59 1.01 0.00	23.85 1.03 0.00	27.48 1.06 0.00	29.18 0.96 0.00	29.37 0.83 0.01	29.44 0.78 0.33	30.39 0.81 0.52	31.63 0.79 0.70	34.62 0.94 1.02	38.50 1.02 0.47	39.94 1.36 0.25	41.26 1.52 0.34	46.70 1.80 0.00	56.57 2.40 0.46	59.32 2.61 0.00	53.38 2.40 0.00	49.20 2.34 0.00	41.06 1.84 0.00	34.25 1.25 0.00	30.17 1.13 0.00
V_A_10_SYNC_DSASP 323832	25.20 -0.57 0.00	22.06 -0.71 0.00	21.03 -0.67 0.00	20.46 -0.99 0.00	20.76 -0.82 0.00	21.93 -0.89 0.00	25.02 -0.56 0.85	26.37 -0.51 1.34	27.48 -0.23 0.84	27.67 -0.29 1.03	28.60 -0.30 1.20	29.89 -0.35 1.31	32.05 -0.80 1.85	35.16 -0.57 2.22	35.94 -0.54 2.35	36.85 -0.68 2.55	42.57 -0.09 2.24	49.21 -0.93 4.49	49.72 -1.59 5.40	45.24 -1.17 4.58	41.80 -1.22 3.83	35.39 -0.98 2.84	30.59 -0.49 1.91	27.59 -0.43 1.02
V_CMM_10_SYNC_DSASP 323787	25.20 -0.57 0.00	22.29 -0.48 0.00	21.25 -0.46 0.00	21.15 -0.30 0.00	21.12 -0.45 0.00	22.39 -0.43 0.00	25.92 -0.50 0.00	27.71 -0.51 0.00	28.00 -0.54 0.00	28.47 -0.52 0.00	29.52 -0.57 0.00	30.98 -0.57 0.00	34.15 -0.56 0.00	37.26 -0.68 0.00	37.83 -1.01 0.00	38.83 -1.24 0.00	43.29 -1.61 0.00	52.55 -2.08 0.00	49.86 -2.16 4.70	45.07 -1.94 3.98	41.79 -1.73 3.33	38.00 -1.22 0.00	32.24 -0.76 0.00	28.37 -0.67 0.00
V_CMP_10_SYNC_DSASP 323788	25.22 -0.54 0.00	22.24 -0.52 0.00	21.25 -0.46 0.00	21.08 -0.36 0.00	21.10 -0.47 0.00	22.44 -0.39 0.00	26.29 -0.13 0.00	28.28 0.06 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.28 0.18 0.00	31.79 0.25 0.00	35.22 0.52 0.00	38.36 0.42 0.00	38.95 0.12 0.00	39.16 -0.92 0.00	43.46 -1.44 0.00	52.66 -1.96 0.00	49.81 -2.27 4.64	44.72 -2.34 3.93	41.56 -2.01 3.29	37.41 -1.80 0.00	32.01 -0.99 0.00	28.05 -0.99 0.00
V_D_10_SYNC_DSASP 323841	25.33 -0.44 0.00	22.45 -0.32 0.00	21.38 -0.32 0.00	21.27 -0.17 0.00	21.26 -0.32 0.00	22.53 -0.30 0.00	26.10 -0.32 0.00	27.88 -0.34 0.00	28.17 -0.37 0.00	28.58 -0.41 0.00	29.67 -0.42 0.00	31.17 -0.38 0.00	34.35 -0.35 0.00	37.53 -0.42 0.00	38.10 -0.74 0.00	39.03 -1.04 0.00	43.15 -1.75 0.00	52.34 -2.29 0.00	49.73 -2.44 4.55	45.00 -2.14 3.85	41.76 -1.88 3.22	38.24 -0.98 0.00	32.44 -0.56 0.00	28.55 -0.49 0.00
V_E_10_SYNC_DSASP 323830	28.03 2.27 0.00	24.59 1.82 0.00	23.40 1.69 0.00	22.82 1.37 0.00	23.17 1.60 0.00	24.61 1.78 0.00	28.61 2.38 0.18	30.56 2.62 0.29	30.94 2.57 0.18	31.29 2.46 0.16	32.52 2.59 0.16	34.29 2.90 0.15	37.65 3.16 0.21	41.38 3.83 0.40	42.64 4.27 0.46	44.27 4.69 0.49	50.25 5.83 0.49	60.79 7.05 0.89	62.86 7.32 1.17	56.67 6.68 0.99	51.83 5.81 0.83	43.26 4.66 0.62	36.18 3.60 0.42	31.75 2.93 0.22
V_F_30_NSYNC___DSASP 323816	27.03 1.26 0.00	23.93 1.16 0.00	22.85 1.15 0.00	22.50 1.05 0.00	22.72 1.14 0.00	24.01 1.19 0.00	27.71 1.29 0.00	29.46 1.24 0.00	29.71 1.17 0.01	29.83 1.10 0.26	30.77 1.08 0.40	32.07 1.07 0.55	35.20 1.28 0.79	39.02 1.44 0.36	40.39 1.75 0.20	41.86 2.04 0.26	47.32 2.42 0.00	57.49 3.22 0.36	60.06 3.35 0.00	54.20 3.21 0.00	49.81 2.95 0.00	41.53 2.31 0.00	34.65 1.65 0.00	30.49 1.45 0.00
V_F_30_SYNC_DSASP 323786	26.67 0.90 0.00	23.79 1.02 0.00	22.57 0.87 0.00	22.33 0.88 0.00	22.40 0.82 0.00	23.81 0.98 0.00	27.42 1.00 0.00	29.01 0.79 0.00	29.23 0.69 0.00	29.42 0.67 0.24	30.42 0.69 0.37	31.74 0.69 0.50	34.85 0.87 0.72	38.56 0.95 0.33	39.98 1.32 0.18	41.28 1.44 0.24	46.65 1.75 0.00	56.60 2.29 0.33	59.15 2.44 0.00	53.18 2.19 0.00	48.96 2.11 0.00	40.86 1.65 0.00	34.09 1.09 0.00	30.00 0.96 0.00
V_XM_10_SYNC_DSASP 323789	25.22 -0.54 0.00	22.24 -0.52 0.00	21.25 -0.46 0.00	21.08 -0.36 0.00	21.10 -0.47 0.00	22.44 -0.39 0.00	26.29 -0.13 0.00	28.28 0.06 0.00	28.80 0.26 0.00	29.31 0.32 0.00	30.28 0.18 0.00	31.79 0.25 0.00	35.22 0.52 0.00	38.36 0.42 0.00	38.95 0.12 0.00	39.16 -0.92 0.00	43.46 -1.44 0.00	52.66 -1.96 0.00	49.81 -2.27 4.64	44.72 -2.34 3.93	41.56 -2.01 3.29	37.41 -1.80 0.00	32.01 -0.99 0.00	28.05 -0.99 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	27.64 1.88 0.00	24.34 1.57 0.00	22.98 1.28 0.00	22.76 1.31 0.00	22.79 1.21 0.00	24.42 1.60 0.00	28.14 1.72 0.00	30.17 1.95 0.00	30.67 2.11 -0.01	31.63 2.20 -0.43	33.15 2.38 -0.68	34.79 2.33 -0.91	38.56 2.53 -1.32	41.24 2.69 -0.60	42.58 3.42 -0.33	44.00 3.49 -0.44	48.67 3.77 0.00	60.47 5.24 -0.60	62.16 5.44 0.00	55.57 4.59 0.00	50.89 4.03 0.00	42.35 3.14 0.00	35.21 2.21 0.00	31.07 2.03 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	27.93 2.16 0.00	24.54 1.78 0.00	23.20 1.50 0.00	22.97 1.52 0.00	23.00 1.42 0.00	24.63 1.80 0.00	28.48 2.06 0.00	30.62 2.40 0.00	31.15 2.60 -0.01	32.14 2.70 -0.46	33.70 2.89 -0.72	35.44 2.93 -0.97	40.61 3.23 -2.68	41.92 3.34 -0.64	43.30 4.12 -0.35	44.67 4.13 -0.47	49.30 4.40 0.00	61.43 6.17 -0.63	63.06 6.35 0.00	56.39 5.40 0.00	51.64 4.78 0.00	43.06 3.84 0.00	35.77 2.77 0.00	31.57 2.53 0.00
W50THST__13_KV_LOAD 356117	28.03 2.27 0.00	24.63 1.87 0.00	23.27 1.56 0.00	23.06 1.61 0.00	23.07 1.49 0.00	24.72 1.89 0.00	28.61 2.19 0.00	30.76 2.54 0.00	31.32 2.77 -0.01	32.32 2.87 -0.46	33.88 3.07 -0.72	35.63 3.12 -0.97	40.88 3.50 -2.68	42.19 3.60 -0.64	43.57 4.39 -0.35	44.95 4.41 -0.47	49.61 4.71 0.00	61.82 6.56 -0.63	63.46 6.75 0.00	56.75 5.76 0.00	51.92 5.06 0.00	43.25 4.04 0.00	35.94 2.94 0.00	31.68 2.64 0.00
WADING RIVER_IC_1 23522	28.26 2.50 0.00	24.89 2.12 0.00	23.63 1.93 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.88 2.06 0.00	28.35 1.93 0.00	30.42 2.20 0.00	30.81 2.25 -0.01	31.65 2.20 -0.46	33.37 2.56 -0.72	34.94 2.43 -0.97	38.52 2.43 -1.39	40.94 2.35 -0.64	42.21 3.03 -0.35	43.87 3.32 -0.47	48.58 3.68 0.00	60.78 5.52 -0.63	63.06 6.35 0.00	56.75 5.76 0.00	51.64 4.78 0.00	43.17 3.96 0.00	35.27 2.28 0.00	31.83 2.79 0.00



WADING RIVER_IC_2 23547	28.26 2.50 0.00	24.89 2.12 0.00	23.63 1.93 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.88 2.06 0.00	28.35 1.93 0.00	30.42 2.20 0.00	30.81 2.25 -0.01	31.65 2.20 -0.46	33.37 2.56 -0.72	34.94 2.43 -0.97	38.52 2.43 -1.39	40.94 2.35 -0.64	42.21 3.03 -0.35	43.87 3.32 -0.47	48.58 3.68 0.00	60.78 5.52 -0.63	63.06 6.35 0.00	56.75 5.76 0.00	51.64 4.78 0.00	43.17 3.96 0.00	35.27 2.28 0.00	31.83 2.79 0.00
WADING RIVER_IC_3 23601	28.26 2.50 0.00	24.89 2.12 0.00	23.63 1.93 0.00	23.16 1.72 0.00	23.50 1.92 0.00	24.88 2.06 0.00	28.35 1.93 0.00	30.42 2.20 0.00	30.81 2.25 -0.01	31.65 2.20 -0.46	33.37 2.56 -0.72	34.94 2.43 -0.97	38.52 2.43 -1.39	40.94 2.35 -0.64	42.21 3.03 -0.35	43.87 3.32 -0.47	48.58 3.68 0.00	60.78 5.52 -0.63	63.06 6.35 0.00	56.75 5.76 0.00	51.64 4.78 0.00	43.17 3.96 0.00	35.27 2.28 0.00	31.83 2.79 0.00
WALDENNY_I2_KV_BK2 80841	25.71 -0.05 0.00	22.40 -0.36 0.00	20.99 -0.72 0.00	20.74 -0.71 0.00	20.69 -0.88 0.00	22.30 -0.52 0.00	25.05 -0.63 0.74	26.60 -0.45 1.16	27.76 -0.06 0.73	27.92 -0.17 0.89	28.90 -0.15 1.04	30.19 -0.22 1.14	32.50 -0.59 1.61	35.71 -0.30 1.93	36.60 -0.19 2.05	37.50 -0.36 2.21	43.22 0.27 1.94	50.17 -0.55 3.91	50.65 -1.36 4.70	46.04 -0.97 3.98	42.40 -1.12 3.33	35.76 -0.98 2.47	30.64 -0.69 1.66	27.63 -0.52 0.88
WALDEN___HYDRO 24148	27.54 1.78 0.00	24.25 1.48 0.00	22.92 1.22 0.00	22.67 1.22 0.00	22.72 1.14 0.00	24.31 1.48 0.00	28.03 1.61 0.00	30.00 1.78 0.00	30.44 1.88 -0.01	31.32 1.94 -0.39	32.81 2.11 -0.61	34.45 2.08 -0.82	38.25 2.36 -1.19	40.99 2.50 -0.54	42.31 3.18 -0.29	43.76 3.29 -0.39	48.54 3.64 0.00	60.19 5.03 -0.54	62.04 5.33 0.00	55.47 4.49 0.00	50.84 3.98 0.00	42.31 3.10 0.00	35.08 2.08 0.00	30.93 1.89 0.00
WARRENSBURG___ 23737	26.69 0.93 0.00	23.61 0.84 0.00	22.66 0.95 0.00	22.28 0.84 0.00	22.53 0.95 0.00	23.80 0.98 0.00	27.56 1.14 0.00	29.29 1.07 0.00	29.57 1.03 0.00	29.67 0.93 0.25	30.49 0.78 0.38	31.62 0.60 0.52	34.75 0.80 0.75	38.55 0.95 0.34	39.66 1.01 0.19	41.27 1.44 0.25	46.70 1.80 0.00	56.81 2.51 0.34	59.32 2.61 0.00	53.58 2.60 0.00	49.20 2.34 0.00	40.94 1.72 0.00	34.28 1.29 0.00	30.17 1.13 0.00
WATERSIDE___6 8 9 23538	28.01 2.24 -0.01	24.62 1.84 -0.01	23.27 1.56 -0.01	23.04 1.59 -0.01	23.07 1.49 -0.01	24.67 1.85 0.00	28.56 2.14 0.00	30.68 2.46 0.00	31.21 2.65 -0.01	32.21 2.75 -0.47	33.77 2.95 -0.72	35.48 2.97 -0.98	40.69 3.23 -2.76	41.96 3.38 -0.64	43.30 4.12 -0.35	44.63 4.09 -0.47	49.03 4.13 0.00	61.05 5.79 -0.63	62.67 5.95 0.00	56.03 5.05 0.00	51.31 4.45 0.00	43.06 3.84 0.00	35.88 2.87 -0.01	31.66 2.61 -0.01
WATKINRD_115KV_LN8_ILLION 55919	26.00 0.23 0.00	22.97 0.20 0.00	21.86 0.15 0.00	21.60 0.15 0.00	21.71 0.13 0.00	23.03 0.21 0.00	26.66 0.24 0.00	28.47 0.25 0.00	28.80 0.26 0.00	29.25 0.26 0.00	30.40 0.30 0.00	31.86 0.32 0.00	35.01 0.31 0.00	38.32 0.38 0.00	39.34 0.50 0.00	40.52 0.44 0.00	45.44 0.54 0.00	55.34 0.71 0.00	57.73 0.79 -0.23	51.89 0.71 -0.19	47.63 0.61 -0.16	39.72 0.51 0.00	33.33 0.33 0.00	29.33 0.29 0.00
WATSON___69_KV_BK 1 55734	28.83 3.07 0.00	25.41 2.64 0.00	23.87 2.17 0.00	23.61 2.17 0.00	23.67 2.09 0.00	25.38 2.56 0.00	29.01 2.59 0.00	31.16 2.93 0.00	31.55 3.00 -0.01	32.38 2.93 -0.46	34.15 3.34 -0.72	35.79 3.28 -0.97	39.50 3.40 -1.39	42.00 3.41 -0.64	43.57 4.39 -0.35	45.15 4.61 -0.47	49.97 5.07 0.00	62.20 6.94 -0.63	64.48 7.77 0.00	57.92 6.93 0.00	52.81 5.95 0.00	44.39 5.18 0.00	36.46 3.46 0.00	32.58 3.54 0.00
WDELAWARE___HYD 323627	27.88 2.11 0.00	24.43 1.66 0.00	23.31 1.61 0.00	22.80 1.35 0.00	23.13 1.55 0.00	24.44 1.62 0.00	28.24 1.82 0.00	30.17 1.95 0.00	30.66 2.11 -0.01	31.39 2.12 -0.28	32.88 2.35 -0.44	34.44 2.30 -0.59	38.27 2.71 -0.86	41.33 3.00 -0.39	42.74 3.69 -0.21	44.29 3.93 -0.28	49.43 4.53 0.00	61.29 6.28 -0.39	63.29 6.58 0.00	56.54 5.56 0.00	51.68 4.83 0.00	42.90 3.69 0.00	35.27 2.28 0.00	31.13 2.09 0.00
WEST BABYLON___IC 23714	28.65 2.89 0.00	25.23 2.46 0.00	23.74 2.04 0.00	23.46 2.02 0.00	23.52 1.94 0.00	25.22 2.40 0.00	28.85 2.43 0.00	30.99 2.77 0.00	31.41 2.85 -0.01	32.26 2.81 -0.46	34.00 3.19 -0.72	35.60 3.09 -0.97	39.29 3.19 -1.39	41.77 3.19 -0.64	43.34 4.16 -0.35	44.87 4.33 -0.47	49.66 4.76 0.00	61.93 6.66 -0.63	64.14 7.43 0.00	57.56 6.58 0.00	52.53 5.67 0.00	44.08 4.86 0.00	36.27 3.27 0.00	32.41 3.37 0.00
WEST CANADA___HYD 24049	26.02 0.26 0.00	23.00 0.23 0.00	21.92 0.22 0.00	21.62 0.17 0.00	21.79 0.22 0.00	23.05 0.23 0.00	26.66 0.24 0.00	28.47 0.25 0.00	28.80 0.26 0.00	29.25 0.26 0.00	30.37 0.27 0.00	31.83 0.28 0.00	34.98 0.28 0.00	38.29 0.34 0.00	39.26 0.43 0.00	40.56 0.48 0.00	45.44 0.54 0.00	55.34 0.71 0.00	57.73 0.79 -0.23	51.89 0.71 -0.19	47.67 0.66 -0.16	39.72 0.51 0.00	33.30 0.30 0.00	29.33 0.29 0.00
WESTERN_NY_WIND 24143	25.92 0.15 0.00	22.65 -0.11 0.00	21.23 -0.48 0.00	20.95 -0.49 0.00	20.97 -0.60 0.00	22.53 -0.30 0.00	25.70 0.08 0.80	27.24 0.28 1.26	28.33 0.57 0.79	28.46 0.43 0.97	29.42 0.45 1.13	30.76 0.44 1.23	33.10 0.14 1.74	36.31 0.46 2.09	37.20 0.58 2.21	38.28 0.60 2.40	44.19 1.39 2.10	51.11 0.71 4.23	51.63 0.00 5.09	46.93 0.25 4.31	43.34 0.09 3.61	36.70 0.16 2.68	31.30 0.10 1.80	28.23 0.15 0.96
WESTOVER___LESR 323668	26.30 0.54 0.00	23.13 0.36 0.00	21.83 0.13 0.00	21.58 0.13 0.00	21.64 0.06 0.00	23.17 0.34 0.00	26.63 0.42 0.21	28.46 0.56 0.33	28.97 0.63 0.20	29.44 0.64 0.18	30.54 0.63 0.19	32.03 0.66 0.18	35.15 0.69 0.25	38.37 0.87 0.45	39.40 1.09 0.53	40.72 1.20 0.56	46.01 1.66 0.55	55.48 1.86 1.01	57.14 1.76 1.33	51.49 1.63 1.12	47.23 1.31 0.94	39.54 1.02 0.70	33.22 0.69 0.47	29.34 0.55 0.25
WETHRSFD_WT_PWR 323626	25.66 -0.10 0.00	22.43 -0.34 0.00	21.38 -0.32 0.00	20.72 -0.73 0.00	21.08 -0.50 0.00	22.30 -0.52 0.00	25.19 -0.58 0.65	26.77 -0.42 1.03	27.85 -0.06 0.64	28.09 -0.12 0.79	29.00 -0.18 0.92	30.26 -0.28 1.00	32.59 -0.69 1.42	35.79 -0.45 1.70	36.68 -0.35 1.80	37.69 -0.44 1.95	43.41 0.23 1.71	50.81 -0.38 3.44	51.61 -0.96 4.14	46.92 -0.56 3.51	43.08 -0.84 2.94	36.25 -0.78 2.18	31.14 -0.39 1.47	27.79 -0.47 0.78
WHAVSTOR_138KV_BK127 55557	27.54 1.78 0.00	24.25 1.48 0.00	22.92 1.22 0.00	22.69 1.24 0.00	22.72 1.14 0.00	24.35 1.53 0.00	28.06 1.64 0.00	30.08 1.86 0.00	30.55 2.00 -0.01	31.51 2.09 -0.43	33.00 2.23 -0.68	34.64 2.18 -0.92	38.35 2.33 -1.33	40.98 2.43 -0.61	42.31 3.15 -0.33	43.72 3.21 -0.44	48.40 3.50 0.00	60.14 4.92 -0.60	61.82 5.10 0.00	55.32 4.33 0.00	50.65 3.80 0.00	42.19 2.98 0.00	35.11 2.11 0.00	30.98 1.95 0.00



WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	27.54 1.78 0.00	24.25 1.48 0.00	22.92 1.22 0.00	22.69 1.24 0.00	22.72 1.14 0.00	24.35 1.53 0.00	28.06 1.64 0.00	30.08 1.86 0.00	30.55 2.00 -0.01	31.51 2.09 -0.43	33.00 2.23 -0.68	34.64 2.18 -0.92	38.35 2.33 -1.33	40.98 2.43 -0.61	42.31 3.15 -0.33	43.72 3.21 -0.44	48.40 3.50 0.00	60.14 4.92 -0.60	61.82 5.10 0.00	55.32 4.33 0.00	50.65 3.80 0.00	42.19 2.98 0.00	35.11 2.11 0.00	30.98 1.95 0.00
WHITEHAL_115KV_TB1 80871	27.33 1.57 0.00	24.16 1.39 0.00	23.05 1.35 0.00	22.78 1.33 0.00	22.87 1.29 0.00	24.35 1.53 0.00	28.22 1.80 0.00	29.97 1.75 0.00	30.25 1.71 0.00	30.27 1.54 0.25	31.09 1.38 0.39	32.27 1.26 0.53	35.53 1.60 0.77	39.42 1.82 0.35	40.67 2.02 0.19	42.23 2.40 0.26	48.09 3.19 0.00	58.65 4.37 0.35	61.19 4.48 0.00	55.42 4.44 0.00	50.84 3.98 0.00	42.27 3.06 0.00	35.24 2.24 0.00	30.96 1.92 0.00
WHITEPLN_13_KV_LOAD 356215	27.95 2.19 0.00	24.59 1.82 0.00	23.27 1.56 0.00	23.03 1.59 0.00	23.07 1.49 0.00	24.67 1.85 0.00	28.53 2.11 0.00	30.65 2.43 0.00	31.18 2.63 -0.01	32.14 2.70 -0.46	33.73 2.92 -0.71	35.47 2.97 -0.97	39.43 3.33 -1.40	42.11 3.53 -0.64	43.53 4.35 -0.35	44.95 4.41 -0.47	49.70 4.80 0.00	61.92 6.66 -0.63	63.63 6.92 0.00	56.90 5.91 0.00	52.01 5.15 0.00	43.25 4.04 0.00	35.84 2.84 0.00	31.62 2.58 0.00
WM_FLOYD_69_KV_BK2 356380	28.49 2.73 0.00	25.11 2.35 0.00	23.61 1.91 0.00	23.33 1.89 0.00	23.39 1.81 0.00	25.08 2.26 0.00	28.59 2.17 0.00	30.68 2.46 0.00	31.04 2.48 -0.01	31.88 2.44 -0.46	33.64 2.83 -0.72	35.22 2.71 -0.97	38.84 2.74 -1.39	41.24 2.66 -0.64	42.64 3.46 -0.35	44.23 3.69 -0.47	48.99 4.09 0.00	61.32 6.06 -0.63	63.63 6.92 0.00	57.16 6.17 0.00	52.10 5.25 0.00	43.57 4.35 0.00	35.87 2.87 0.00	32.09 3.05 0.00
WOODARD__115KV_TB2 355635	25.63 -0.13 0.00	22.59 -0.18 0.00	21.40 -0.30 0.00	21.15 -0.30 0.00	21.23 -0.35 0.00	22.62 -0.21 0.00	25.96 -0.11 0.36	27.60 -0.06 0.56	28.17 -0.03 0.35	28.56 0.00 0.43	29.57 -0.03 0.50	31.00 0.00 0.55	33.89 -0.03 0.77	37.05 0.04 0.93	37.97 0.12 0.98	39.25 0.24 1.06	44.46 0.49 0.94	53.13 0.38 1.88	54.74 0.28 2.26	49.38 0.31 1.91	45.44 0.19 1.60	38.10 0.08 1.19	32.17 -0.03 0.80	28.56 -0.06 0.43
YORK___WARBASSE 23770	28.14 2.37 -0.01	24.71 1.94 -0.01	23.34 1.63 -0.01	23.13 1.67 -0.01	23.14 1.55 -0.01	24.76 1.94 0.00	28.64 2.22 0.00	30.73 2.51 0.00	31.27 2.71 -0.01	32.24 2.78 -0.47	33.80 2.98 -0.72	35.52 3.00 -0.98	40.73 3.26 -2.76	42.00 3.41 -0.64	43.34 4.16 -0.35	44.71 4.17 -0.47	48.94 4.04 0.00	61.05 5.79 -0.63	62.72 6.01 0.00	56.08 5.10 0.00	51.35 4.50 0.00	43.25 4.04 0.00	36.08 3.07 -0.01	31.81 2.76 -0.01