

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$										--- Marginal Cost of Losses										--- Marginal Cost of Congestion										08/03/2023		
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	23.92	21.90	20.41	19.61	19.55	20.96	21.92	23.73	24.85	25.22	25.96	27.18	30.19	31.17	32.87	34.19	41.57	47.86	45.17	40.61	37.05	32.63	28.66	26.60									
		1.39	0.99	0.90	0.90	0.86	0.92	1.20	1.27	1.77	2.08	2.26	2.36	2.64	2.65	2.82	2.77	3.60	4.27	3.61	3.15	2.59	2.47	2.15	2.00									
		-3.78	-6.61	-6.07	-5.48	-5.65	-6.45	-4.34	-6.13	-2.54	-1.93	-0.18	0.00	0.00	0.00	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	0.00	-1.40									
74TH STREET_GT_1	24260	23.97	21.92	20.37	19.60	19.55	20.94	21.89	23.69	24.85	25.22	26.06	27.17	30.33	31.17	32.93	34.19	41.61	47.85	45.26	40.65	37.01	32.69	28.93	26.64									
		1.44	1.00	0.86	0.89	0.86	0.90	1.16	1.24	1.77	2.08	2.35	2.36	2.78	2.65	2.88	2.77	3.63	4.27	3.70	3.18	2.55	2.53	2.41	2.04									
		-3.78	-6.61	-6.07	-5.48	-5.65	-6.45	-4.34	-6.13	-2.54	-1.93	-0.18	0.00	0.00	0.00	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	0.00	-1.40									
74TH STREET_GT_2	24261	23.97	21.92	20.37	19.60	19.55	20.94	21.89	23.69	24.85	25.22	26.06	27.17	30.33	31.17	32.93	34.19	41.61	47.85	45.26	40.65	37.01	32.69	28.93	26.64									
		1.44	1.00	0.86	0.89	0.86	0.90	1.16	1.24	1.77	2.08	2.35	2.36	2.78	2.65	2.88	2.77	3.63	4.27	3.70	3.18	2.55	2.53	2.41	2.04									
		-3.78	-6.61	-6.07	-5.48	-5.65	-6.45	-4.34	-6.13	-2.54	-1.93	-0.18	0.00	0.00	0.00	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	0.00	-1.40									
ADK HUDSON___FALLS	24011	25.12	24.11	22.45	21.43	21.47	23.15	23.86	25.67	26.43	25.70	25.69	26.78	29.78	30.74	32.57	33.87	40.47	47.03	45.09	40.91	38.06	33.11	29.01	27.89									
		1.33	1.00	0.93	0.90	0.90	0.96	1.23	1.16	1.66	1.91	1.93	1.96	2.23	2.22	2.52	2.45	2.80	3.44	3.53	3.45	3.48	2.96	2.49	2.04									
		-5.03	-8.80	-8.09	-7.31	-7.53	-8.59	-6.25	-8.19	-4.23	-2.59	-0.24	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	-0.12	0.00	0.00	-2.65									
ADK RESOURCE___RCVRY	23798	25.23	24.23	22.55	21.54	21.56	23.26	23.97	25.82	26.55	25.90	25.81	26.98	29.94	30.97	32.85	34.16	40.81	47.37	45.47	41.25	38.43	33.38	29.16	28.03									
		1.44	1.12	1.02	1.00	0.99	1.07	1.36	1.31	1.83	2.10	2.05	2.16	2.40	2.45	2.80	2.73	3.14	3.79	3.91	3.78	3.86	3.23	2.65	2.23									
		-5.03	-8.81	-8.10	-7.31	-7.54	-8.60	-6.23	-8.19	-4.19	-2.59	-0.24	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	-0.12	0.00	0.00	-2.60									
ADK S GLENS___FALLS	24028	25.12	24.11	22.45	21.43	21.47	23.15	23.86	25.67	26.43	25.70	25.69	26.78	29.78	30.74	32.57	33.87	40.47	47.03	45.09	40.91	38.06	33.11	29.01	27.89									
		1.33	1.00	0.93	0.90	0.90	0.96	1.23	1.16	1.66	1.91	1.93	1.96	2.23	2.22	2.52	2.45	2.80	3.44	3.53	3.45	3.48	2.96	2.49	2.04									
		-5.03	-8.80	-8.09	-7.31	-7.53	-8.59	-6.25	-8.19	-4.23	-2.59	-0.24	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	-0.12	0.00	0.00	-2.65									
ADK_NYS___DAM	23527	24.55	23.53	21.93	20.97	20.98	22.59	23.75	25.03	26.54	25.03	25.16	26.26	29.12	30.09	31.76	33.06	39.36	46.02	43.80	39.56	36.76	31.90	27.94	27.91									
		0.97	0.79	0.74	0.74	0.73	0.76	0.93	0.85	1.15	1.34	1.41	1.44	1.57	1.57	1.71	1.63	1.85	2.44	2.24	2.10	2.07	1.75	1.43	1.44									
		-4.82	-8.44	-7.76	-7.00	-7.22	-8.24	-6.43	-7.86	-4.85	-2.48	-0.23	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.00	-0.23	0.00	0.00	-3.27									
AIR_PRODUCTS___DRP	24190	23.96	23.03	21.47	20.49	20.52	22.11	21.69	24.50	23.24	24.28	24.43	25.46	28.35	29.23	30.89	32.18	38.54	44.72	42.52	38.40	35.18	30.91	27.23	24.69									
		0.36	0.24	0.24	0.22	0.23	0.24	0.28	0.31	0.45	0.59	0.68	0.65	0.80	0.71	0.84	0.75	0.83	1.13	0.96	0.94	0.86	0.75	0.72	0.60									
		-4.85	-8.48	-7.80	-7.04	-7.26	-8.28	-5.03	-7.86	-2.24	-2.48	-0.23	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.14	0.00	0.00	-0.88									
AKWESSNE_115KV_BK	355683	18.34	13.96	13.10	12.88	12.68	13.18	15.89	15.85	19.99	20.51	22.79	24.00	26.69	27.64	29.18	30.45	36.70	42.36	40.52	36.53	33.53	29.40	25.88	22.64									
		-0.41	-0.34	-0.34	-0.34	-0.35	-0.41	-0.49	-0.47	-0.55	-0.70	-0.73	-0.82	-0.85	-0.88	-0.87	-0.97	-1.14	-1.22	-1.04	-0.94	-0.93	-0.75	-0.64	-0.56									
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
ALBANY___1	23571	23.96	23.03	21.47	20.49	20.52	22.11	21.69	24.50	23.24	24.28	24.43	25.46	28.35	29.23	30.89	32.18	38.54	44.72	42.52	38.40	35.18	30.91	27.23	24.69									
		0.36	0.24	0.24	0.22	0.23	0.24	0.28	0.31	0.45	0.59	0.68	0.65	0.80	0.71	0.84	0.75	0.83	1.13	0.96	0.94	0.86	0.75	0.72	0.60									
		-4.85	-8.48	-7.80	-7.04	-7.26	-8.28	-5.03	-7.86	-2.24	-2.48	-0.23	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.14	0.00	0.00	-0.88									
ALBANY___2	23572	23.96	23.03	21.47	20.49	20.52	22.11	21.69	24.50	23.24	24.28	24.43	25.46	28.35	29.23	30.89	32.18	38.54	44.72	42.52	38.40	35.18	30.91	27.23	24.69									
		0.36	0.24	0.24	0.22	0.23	0.24	0.28	0.31	0.45	0.59	0.68	0.65	0.80	0.71	0.84	0.75	0.83	1.13	0.96	0.94	0.86	0.75	0.72	0.60									
		-4.85	-8.48	-7.80	-7.04	-7.26	-8.28	-5.03	-7.86	-2.24	-2.48	-0.23	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.14	0.00	0.00	-0.88									
ALBANY___3	23573	23.96	23.03	21.47	20.49	20.52	22.11	21.69	24.50	23.24	24.28	24.43	25.46	28.35	29.23	30.89	32.18	38.54	44.72	42.52	38.40	35.18	30.91	27.23	24.69									
		0.36	0.24	0.24	0.22	0.23	0.24	0.28	0.31	0.45	0.59	0.68	0.65	0.80	0.71	0.84	0.75	0.83	1.13	0.96	0.94	0.86	0.75	0.72	0.60									
		-4.85	-8.48	-7.80	-7.04	-7.26	-8.28	-5.03	-7.86	-2.24	-2.48	-0.23	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.14	0.00	0.00	-0.88									

ALBANY___4 23574	23.96 0.36 -4.85	23.03 0.24 -8.48	21.47 0.24 -7.80	20.49 0.22 -7.04	20.52 0.23 -7.26	22.11 0.24 -8.28	21.69 0.28 -5.03	24.50 0.31 -7.86	23.24 0.45 -2.24	24.28 0.59 -2.48	24.43 0.68 -0.23	25.46 0.65 0.00	28.35 0.80 0.00	29.23 0.71 0.00	30.89 0.84 0.00	32.18 0.75 0.00	38.54 0.83 0.14	44.72 1.13 0.00	42.52 0.96 0.00	38.40 0.94 0.00	35.18 0.86 0.14	30.91 0.75 0.00	27.23 0.72 0.00	24.69 0.60 -0.88
ALBANY___LFGE 323615	24.20 0.54 -4.90	23.31 0.43 -8.57	21.72 0.40 -7.88	20.74 0.40 -7.11	20.77 0.40 -7.34	22.37 0.41 -8.37	22.00 0.49 -5.12	24.78 0.51 -7.95	23.36 0.57 -2.24	24.41 0.72 -2.48	24.53 0.78 -0.23	25.64 0.82 0.00	28.49 0.94 0.00	29.46 0.94 0.00	31.10 1.05 0.00	32.55 1.13 0.00	38.99 1.29 0.13	45.20 1.61 0.00	43.01 1.45 0.00	38.85 1.39 0.00	35.64 1.31 0.13	31.27 1.12 0.00	27.39 0.87 0.00	25.02 0.86 -0.96
ALCOA_PA_115KV_PL-6C 55860	18.34 -0.41 0.00	13.95 -0.36 0.00	13.08 -0.35 0.00	12.86 -0.37 0.00	12.65 -0.38 0.00	13.16 -0.43 0.00	15.86 -0.52 0.00	15.78 -0.54 0.00	19.91 -0.64 0.00	20.42 -0.78 0.00	22.72 -0.80 0.00	23.92 -0.89 0.00	26.61 -0.94 0.00	27.58 -0.94 0.00	29.09 -0.96 0.00	30.35 -1.07 0.00	36.63 -1.21 0.00	42.28 -1.31 0.00	40.56 -1.00 0.00	36.57 -0.90 0.00	33.60 -0.86 0.00	29.46 -0.69 0.00	25.96 -0.56 0.00	22.71 -0.49 0.00
ALCOA_RYNLDS___DRP 24188	18.34 -0.41 0.00	13.95 -0.36 0.00	13.08 -0.35 0.00	12.86 -0.37 0.00	12.65 -0.38 0.00	13.16 -0.43 0.00	15.86 -0.52 0.00	15.78 -0.54 0.00	19.91 -0.64 0.00	20.42 -0.78 0.00	22.72 -0.80 0.00	23.92 -0.89 0.00	26.61 -0.94 0.00	27.58 -0.94 0.00	29.09 -0.96 0.00	30.35 -1.07 0.00	36.63 -1.21 0.00	42.28 -1.31 0.00	40.56 -1.00 0.00	36.57 -0.90 0.00	33.60 -0.86 0.00	29.46 -0.69 0.00	25.96 -0.56 0.00	22.71 -0.49 0.00
ALCOA___DSASP 323711	18.34 -0.41 0.00	13.95 -0.36 0.00	13.08 -0.35 0.00	12.87 -0.36 0.00	12.67 -0.36 0.00	13.16 -0.44 0.00	15.86 -0.52 0.00	15.80 -0.52 0.00	19.90 -0.64 0.00	20.42 -0.78 0.00	22.68 -0.85 0.00	23.90 -0.92 0.00	26.61 -0.94 0.00	27.58 -0.94 0.00	29.09 -0.96 0.00	30.35 -1.07 0.00	36.63 -1.21 0.00	42.19 -1.40 0.00	40.56 -1.00 0.00	36.57 -0.90 0.00	33.60 -0.86 0.00	29.46 -0.69 0.00	25.93 -0.58 0.00	22.71 -0.49 0.00
ALLEGHENY___COGEN 23514	20.15 0.79 -0.61	15.93 0.56 -1.06	14.98 0.56 -0.98	14.70 0.60 -0.88	14.55 0.61 -0.91	15.27 0.64 -1.04	17.84 0.74 -0.72	17.84 0.51 -1.02	21.21 0.25 -0.42	22.02 0.49 -0.32	24.28 0.73 -0.03	25.54 0.72 0.00	27.38 -0.16 0.00	28.12 -0.40 0.00	29.63 -0.42 0.00	31.86 0.44 0.00	38.33 0.49 0.00	43.85 0.26 0.00	42.06 0.50 0.00	38.44 0.97 0.00	35.84 1.38 0.00	31.39 1.24 0.00	28.64 2.12 0.00	24.93 1.51 -0.23
ALTAMONT_115KV_TB 2 55880	24.22 0.62 -4.85	23.25 0.46 -8.48	21.66 0.43 -7.80	20.69 0.42 -7.04	20.72 0.43 -7.26	22.32 0.45 -8.28	22.24 0.54 -5.31	24.72 0.54 -7.86	24.10 0.78 -2.78	24.60 0.91 -2.48	24.79 1.04 -0.23	25.83 1.02 0.00	28.76 1.21 0.00	29.66 1.14 0.00	31.31 1.26 0.00	32.62 1.19 0.00	39.14 1.40 0.10	45.33 1.74 0.00	43.10 1.54 0.00	38.89 1.42 0.00	35.70 1.31 0.07	31.36 1.21 0.00	27.60 1.09 0.00	25.49 0.93 -1.36
ALTONA_WT_PWR 323606	18.55 -0.21 0.00	14.02 -0.29 0.00	13.07 -0.36 0.00	12.76 -0.46 0.00	12.51 -0.52 0.00	12.95 -0.64 0.00	15.61 -0.77 0.00	15.57 -0.75 0.00	19.74 -0.80 0.00	20.38 -0.83 0.00	22.63 -0.89 0.00	23.85 -0.97 0.00	26.50 -1.05 0.00	27.52 -1.00 0.00	29.36 -0.69 0.00	30.64 -0.78 0.00	37.08 -0.76 0.00	42.80 -0.78 0.00	41.06 -0.50 0.00	36.72 -0.75 0.00	33.67 -0.79 0.00	29.64 -0.51 0.00	25.90 -0.61 0.00	22.53 -0.67 0.00
AMERICAN_REF_FUEL 24010	18.67 -0.64 -0.55	14.80 -0.47 -0.96	14.02 -0.30 -0.88	13.81 -0.21 -0.80	13.66 -0.20 -0.82	14.27 -0.26 -0.94	16.62 -0.41 -0.65	16.60 -0.64 -0.92	19.90 -1.03 -0.38	20.99 -0.51 -0.29	23.24 -0.31 -0.03	24.42 -0.40 0.00	26.89 -0.66 0.00	27.95 -0.57 0.00	29.06 -0.99 0.00	30.67 -0.75 0.00	36.63 -1.21 0.00	41.67 -1.92 0.00	39.77 -1.79 0.00	35.85 -1.61 0.00	33.39 -1.07 0.00	29.31 -0.84 0.00	26.51 0.00 0.00	23.03 -0.37 -0.20
ARKWRIGHT___SUMMIT_WT_PWR 323751	19.30 -0.07 -0.62	15.26 -0.13 -1.08	14.36 -0.07 -0.99	14.12 0.00 -0.89	13.97 0.01 -0.92	14.66 0.01 -1.05	17.08 -0.03 -0.73	17.25 -0.10 -1.03	20.76 -0.21 -0.43	22.00 0.47 -0.32	24.59 1.03 -0.03	25.91 1.09 0.00	28.60 1.05 0.00	29.86 1.34 0.00	31.10 1.05 0.00	32.84 1.42 0.00	39.28 1.44 0.00	44.76 1.18 0.00	42.60 1.04 0.00	38.44 0.97 0.00	35.77 1.31 0.00	31.36 1.21 0.00	28.08 1.56 0.00	24.15 0.72 -0.23
ARTHUR_KILL_GT_1 23520	24.06 1.52 -3.78	21.96 1.04 -6.61	20.46 0.95 -6.07	19.64 0.93 -5.48	19.57 0.89 -5.65	20.87 0.83 -6.45	21.76 1.03 -4.34	23.54 1.09 -6.12	24.63 1.56 -2.53	25.04 1.91 -1.93	25.77 2.07 -0.17	26.94 2.13 0.01	30.05 2.51 0.01	31.05 2.54 0.01	32.75 2.71 0.01	34.02 2.61 0.01	41.33 3.37 -0.13	47.67 4.10 0.01	44.96 3.41 0.01	40.34 2.89 0.01	36.69 2.24 0.01	32.53 2.38 0.01	28.62 2.09 -0.01	26.72 2.11 -1.41
ARTHUR_KILL_2 23512	24.00 1.46 -3.78	21.92 1.00 -6.61	20.42 0.91 -6.07	19.60 0.89 -5.48	19.53 0.85 -5.65	20.84 0.80 -6.45	21.71 0.98 -4.34	23.49 1.05 -6.12	24.59 1.52 -2.53	24.98 1.84 -1.93	25.69 2.00 -0.17	26.87 2.06 0.01	29.97 2.42 0.01	30.97 2.45 0.01	32.65 2.61 0.01	33.90 2.48 0.01	41.18 3.21 -0.13	47.50 3.92 0.01	44.80 3.24 0.01	40.19 2.73 0.01	36.55 2.10 0.01	32.44 2.29 0.01	28.54 2.01 -0.01	26.63 2.02 -1.41
ARTHUR_KILL_3 23513	23.75 1.22 -3.78	21.76 0.84 -6.61	20.29 0.78 -6.07	19.48 0.77 -5.48	19.43 0.74 -5.65	20.83 0.79 -6.45	21.76 1.03 -4.34	23.56 1.11 -6.13	24.64 1.56 -2.54	24.99 1.84 -1.93	25.70 2.00 -0.18	26.90 2.08 0.00	29.83 2.29 0.00	30.83 2.31 0.00	32.48 2.43 0.00	33.78 2.36 0.00	41.04 3.06 -0.13	47.24 3.66 0.00	44.64 3.08 0.00	40.12 2.66 0.00	36.60 2.14 0.00	32.30 2.14 0.00	28.40 1.88 0.00	26.39 1.79 -1.40
ARTHUR_KILL_COGEN 323718	24.06 1.52 -3.78	21.96 1.04 -6.61	20.46 0.95 -6.07	19.64 0.93 -5.48	19.57 0.89 -5.65	20.87 0.83 -6.45	21.76 1.03 -4.34	23.54 1.09 -6.12	24.63 1.56 -2.53	25.04 1.91 -1.93	25.77 2.07 -0.17	26.94 2.13 0.01	30.05 2.51 0.01	31.05 2.54 0.01	32.75 2.71 0.01	34.02 2.61 0.01	41.33 3.37 -0.13	47.67 4.10 0.01	44.96 3.41 0.01	40.34 2.89 0.01	36.69 2.24 0.01	32.53 2.38 0.01	28.62 2.09 -0.01	26.72 2.11 -1.41
ASHOKAN____ 23654	23.24 0.21 -4.28	21.88 0.09 -7.48	20.35 0.04 -6.88	19.49 0.05 -6.21	19.51 0.08 -6.40	20.99 0.10 -7.30	21.39 0.33 -4.68	23.46 0.29 -6.84	24.52 1.46 -2.52	23.98 0.62 -2.16	25.11 1.39 -0.20	26.28 1.46 0.00	29.26 1.71 0.00	30.37 1.85 0.00	32.06 2.01 0.00	33.44 2.01 0.00	41.02 3.18 0.00	46.15 2.57 0.00	43.47 1.91 0.00	39.34 1.87 0.00	36.02 1.62 0.06	31.60 1.45 0.00	27.55 1.03 0.00	25.75 1.37 -1.19

ASTORIA_EAST_ENERGY_CC1 323581	24.00 1.46 -3.78	21.95 1.03 -6.61	20.48 0.97 -6.07	19.64 0.93 -5.48	19.56 0.87 -5.65	20.90 0.86 -6.45	21.81 1.08 -4.34	23.60 1.14 -6.13	24.63 1.56 -2.53	25.03 1.89 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	30.04 2.48 -0.01	31.10 2.57 -0.01	32.60 2.55 0.00	33.97 2.54 0.00	41.45 3.48 -0.13	47.82 4.23 -0.01	44.93 3.36 0.00	40.28 2.81 0.00	36.52 2.07 0.01	32.51 2.35 0.00	28.75 2.23 -0.01	26.70 2.09 -1.41
ASTORIA_EAST_ENERGY_CC2 323582	24.00 1.46 -3.78	21.95 1.03 -6.61	20.48 0.97 -6.07	19.64 0.93 -5.48	19.56 0.87 -5.65	20.90 0.86 -6.45	21.81 1.08 -4.34	23.60 1.14 -6.13	24.63 1.56 -2.53	25.03 1.89 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	30.04 2.48 -0.01	31.10 2.57 -0.01	32.60 2.55 0.00	33.97 2.54 0.00	41.45 3.48 -0.13	47.82 4.23 -0.01	44.93 3.36 0.00	40.28 2.81 0.00	36.52 2.07 0.01	32.51 2.35 0.00	28.75 2.23 -0.01	26.70 2.09 -1.41
ASTORIA_GT2_1 24094	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT2_2 24095	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT2_3 24096	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT2_4 24097	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT3_1 24098	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT3_2 24099	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT3_3 24100	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT3_4 24101	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT4_1 24102	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT4_2 24103	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT4_3 24104	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT4_4 24105	24.00 1.46 -3.78	21.95 1.03 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.66 1.58 -2.54	25.05 1.91 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.20 2.64 -0.01	31.09 2.57 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.57 3.59 -0.13	47.82 4.23 -0.01	45.01 3.45 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.54 2.38 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
ASTORIA_GT_1 23523	24.04 1.50 -3.78	21.99 1.07 -6.61	20.50 0.99 -6.07	19.66 0.95 -5.48	19.60 0.91 -5.65	20.92 0.88 -6.45	21.86 1.13 -4.34	23.65 1.19 -6.13	24.70 1.62 -2.53	25.09 1.95 -1.93	25.84 2.14 -0.18	27.05 2.23 0.00	30.12 2.56 -0.01	31.18 2.65 -0.01	32.69 2.65 0.00	34.06 2.64 0.00	41.57 3.60 -0.13	47.95 4.36 -0.01	45.05 3.49 0.00	40.39 2.92 0.00	36.62 2.17 0.00	32.60 2.44 0.00	28.83 2.31 -0.01	26.74 2.13 -1.41

ASTORIA_GT_10 24110	23.93 1.39 -3.78	21.87 0.96 -6.61	20.31 0.81 -6.07	19.56 0.85 -5.48	19.51 0.82 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.23 2.67 -0.01	31.04 2.51 -0.01	32.75 2.70 0.00	34.00 2.58 0.00	41.42 3.44 -0.13	47.64 4.05 0.00	44.93 3.37 0.00	40.35 2.88 0.00	36.63 2.17 0.00	32.54 2.38 0.00	28.88 2.36 -0.01	26.58 1.97 -1.41
ASTORIA_GT_11 24225	23.93 1.39 -3.78	21.87 0.96 -6.61	20.31 0.81 -6.07	19.56 0.85 -5.48	19.51 0.82 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.23 2.67 -0.01	31.04 2.51 -0.01	32.75 2.70 0.00	34.00 2.58 0.00	41.42 3.44 -0.13	47.64 4.05 0.00	44.93 3.37 0.00	40.35 2.88 0.00	36.63 2.17 0.00	32.54 2.38 0.00	28.88 2.36 -0.01	26.58 1.97 -1.41
ASTORIA_GT_12 24226	23.93 1.39 -3.78	21.87 0.96 -6.61	20.31 0.81 -6.07	19.56 0.85 -5.48	19.51 0.82 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.23 2.67 -0.01	31.04 2.51 -0.01	32.75 2.70 0.00	34.00 2.58 0.00	41.42 3.44 -0.13	47.64 4.05 0.00	44.93 3.37 0.00	40.35 2.88 0.00	36.63 2.17 0.00	32.54 2.38 0.00	28.88 2.36 -0.01	26.58 1.97 -1.41
ASTORIA_GT_13 24227	23.93 1.39 -3.78	21.87 0.96 -6.61	20.31 0.81 -6.07	19.56 0.85 -5.48	19.51 0.82 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.23 2.67 -0.01	31.04 2.51 -0.01	32.75 2.70 0.00	34.00 2.58 0.00	41.42 3.44 -0.13	47.64 4.05 0.00	44.93 3.37 0.00	40.35 2.88 0.00	36.63 2.17 0.00	32.54 2.38 0.00	28.88 2.36 -0.01	26.58 1.97 -1.41
ASTORIA_GT_5 24106	24.04 1.50 -3.78	21.99 1.07 -6.61	20.50 0.99 -6.07	19.66 0.95 -5.48	19.60 0.91 -5.65	20.92 0.88 -6.45	21.86 1.13 -4.34	23.65 1.19 -6.13	24.70 1.62 -2.53	25.09 1.95 -1.93	25.84 2.14 -0.18	27.05 2.23 0.00	30.12 2.56 -0.01	31.18 2.65 -0.01	32.69 2.65 0.00	34.06 2.64 0.00	41.57 3.60 -0.13	47.95 4.36 -0.01	45.05 3.49 0.00	40.39 2.92 0.00	36.62 2.17 0.01	32.60 2.44 0.00	28.83 2.31 -0.01	26.74 2.13 -1.41
ASTORIA_GT_7 24107	24.04 1.50 -3.78	21.99 1.07 -6.61	20.50 0.99 -6.07	19.66 0.95 -5.48	19.60 0.91 -5.65	20.92 0.88 -6.45	21.86 1.13 -4.34	23.65 1.19 -6.13	24.70 1.62 -2.53	25.09 1.95 -1.93	25.84 2.14 -0.18	27.05 2.23 0.00	30.12 2.56 -0.01	31.18 2.65 -0.01	32.69 2.65 0.00	34.06 2.64 0.00	41.57 3.60 -0.13	47.95 4.36 -0.01	45.05 3.49 0.00	40.39 2.92 0.00	36.62 2.17 0.01	32.60 2.44 0.00	28.83 2.31 -0.01	26.74 2.13 -1.41
ASTORIA_GT_8 24108	24.04 1.50 -3.78	21.97 1.06 -6.61	20.38 0.87 -6.07	19.64 0.93 -5.48	19.57 0.89 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.09 1.95 -1.93	25.96 2.26 -0.18	27.05 2.23 0.00	30.26 2.70 -0.01	31.15 2.62 -0.01	32.84 2.79 0.00	34.13 2.70 0.00	41.64 3.67 -0.13	47.95 4.36 -0.01	45.09 3.53 0.00	40.42 2.96 0.00	36.60 2.14 0.00	32.63 2.47 0.00	29.04 2.52 -0.01	26.72 2.11 -1.41
ASTORIA___2 24149	24.00 1.46 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.64 0.93 -5.48	19.57 0.89 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.61 1.16 -6.13	24.65 1.58 -2.53	25.05 1.91 -1.93	25.80 2.09 -0.18	27.00 2.18 0.00	30.06 2.51 -0.01	31.12 2.59 -0.01	32.60 2.55 0.00	33.97 2.54 0.00	41.49 3.52 -0.13	47.87 4.27 -0.01	44.97 3.41 0.00	40.31 2.85 0.00	36.55 2.10 0.01	32.54 2.38 0.00	28.77 2.25 -0.01	26.70 2.09 -1.41
ASTORIA___3 23516	23.93 1.39 -3.78	21.89 0.97 -6.61	20.41 0.90 -6.07	19.60 0.89 -5.48	19.53 0.85 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.63 1.18 -6.13	24.73 1.64 -2.54	25.09 1.95 -1.93	25.82 2.12 -0.18	27.03 2.21 0.00	30.09 2.53 -0.01	31.07 2.54 -0.01	32.69 2.65 0.00	34.00 2.58 0.00	41.38 3.41 -0.13	47.68 4.10 0.00	44.93 3.36 0.00	40.35 2.89 0.00	36.70 2.24 0.00	32.51 2.35 0.00	28.64 2.12 -0.01	26.60 2.00 -1.41
ASTORIA___4 23517	23.93 1.39 -3.78	21.87 0.96 -6.61	20.31 0.81 -6.07	19.56 0.85 -5.48	19.51 0.82 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.23 2.67 -0.01	31.04 2.51 -0.01	32.75 2.70 0.00	34.00 2.58 0.00	41.42 3.44 -0.13	47.64 4.05 0.00	44.93 3.37 0.00	40.35 2.88 0.00	36.63 2.17 0.00	32.54 2.38 0.00	28.88 2.36 -0.01	26.58 1.97 -1.41
ASTORIA___5 23518	23.93 1.39 -3.78	21.89 0.97 -6.61	20.41 0.90 -6.07	19.60 0.89 -5.48	19.53 0.85 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.63 1.18 -6.13	24.73 1.64 -2.54	25.09 1.95 -1.93	25.82 2.12 -0.18	27.03 2.21 0.00	30.09 2.53 -0.01	31.07 2.54 -0.01	32.69 2.65 0.00	34.00 2.58 0.00	41.38 3.41 -0.13	47.68 4.10 0.00	44.93 3.36 0.00	40.31 2.85 0.00	36.70 2.24 0.00	32.51 2.35 0.00	28.64 2.12 -0.01	26.60 2.00 -1.41
AST_ENERGY_2_CC3 323677	23.81 1.28 -3.78	21.80 0.89 -6.61	20.33 0.82 -6.07	19.52 0.81 -5.48	19.46 0.77 -5.65	20.87 0.83 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.66 1.58 -2.54	25.03 1.89 -1.93	25.73 2.02 -0.18	26.93 2.11 0.00	29.92 2.37 0.00	30.89 2.37 0.00	32.57 2.52 0.00	33.88 2.45 0.00	41.15 3.18 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.39 2.23 0.00	28.48 1.96 0.00	26.46 1.86 -1.40
AST_ENERGY_2_CC4 323678	23.81 1.28 -3.78	21.80 0.89 -6.61	20.33 0.82 -6.07	19.52 0.81 -5.48	19.46 0.77 -5.65	20.87 0.83 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.66 1.58 -2.54	25.03 1.89 -1.93	25.73 2.02 -0.18	26.93 2.11 0.00	29.92 2.37 0.00	30.89 2.37 0.00	32.57 2.52 0.00	33.88 2.45 0.00	41.15 3.18 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.39 2.23 0.00	28.48 1.96 0.00	26.46 1.86 -1.40
ATHENS_STG_1 23668	23.80 0.79 -4.26	22.37 0.60 -7.46	20.86 0.56 -6.86	19.97 0.56 -6.19	19.96 0.55 -6.38	21.46 0.58 -7.28	21.99 0.70 -4.90	23.95 0.70 -6.92	24.37 0.97 -2.87	24.54 1.14 -2.18	24.95 1.22 -0.20	26.11 1.29 0.00	28.98 1.43 0.00	29.92 1.40 0.00	31.52 1.47 0.00	32.87 1.45 0.00	39.62 1.74 -0.04	45.72 2.14 0.00	43.39 1.83 0.00	39.11 1.65 0.00	35.94 1.48 0.00	31.54 1.39 0.00	27.71 1.19 0.00	25.92 1.14 -1.58
ATHENS_STG_2 23670	23.80 0.79 -4.26	22.37 0.60 -7.46	20.86 0.56 -6.86	19.97 0.56 -6.19	19.96 0.55 -6.38	21.46 0.58 -7.28	21.99 0.70 -4.90	23.95 0.70 -6.92	24.37 0.97 -2.87	24.54 1.14 -2.18	24.95 1.22 -0.20	26.11 1.29 0.00	28.98 1.43 0.00	29.92 1.40 0.00	31.52 1.47 0.00	32.87 1.45 0.00	39.62 1.74 -0.04	45.72 2.14 0.00	43.39 1.83 0.00	39.11 1.65 0.00	35.94 1.48 0.00	31.54 1.39 0.00	27.71 1.19 0.00	25.92 1.14 -1.58

ATHENS_STG_3 23677	23.80 0.79 -4.26	22.37 0.60 -7.46	20.86 0.56 -6.86	19.97 0.56 -6.19	19.96 0.55 -6.38	21.46 0.58 -7.28	21.99 0.70 -4.90	23.95 0.70 -6.92	24.37 0.97 -2.87	24.54 1.14 -2.18	24.95 1.22 -0.20	26.11 1.29 0.00	28.98 1.43 0.00	29.92 1.40 0.00	31.52 1.47 0.00	32.87 1.45 0.00	39.62 1.74 -0.04	45.72 2.14 0.00	43.39 1.83 0.00	39.11 1.65 0.00	35.94 1.48 0.00	31.54 1.39 0.00	27.71 1.19 0.00	25.92 1.14 -1.58
AUBURN____LFGE 323710	19.50 0.30 -0.45	15.37 0.27 -0.79	14.43 0.27 -0.72	14.14 0.26 -0.65	13.98 0.27 -0.67	14.68 0.33 -0.77	17.68 0.75 -0.54	17.83 0.75 -0.76	21.68 0.82 -0.31	22.45 1.00 -0.24	24.58 1.04 -0.02	26.11 1.29 0.00	28.87 1.32 0.00	30.06 1.54 0.00	31.64 1.59 0.00	33.40 1.98 0.00	40.22 2.38 0.00	46.07 2.48 0.00	44.55 1.29 -1.70	40.86 1.16 -2.23	35.99 1.10 -0.43	31.00 0.84 0.00	27.15 0.64 0.00	23.88 0.51 -0.17
BABYLON_RES_REC 323704	24.41 1.88 -3.78	22.65 1.44 -6.90	21.18 1.34 -6.40	19.98 1.27 -5.49	19.89 1.20 -5.66	21.41 1.36 -6.46	22.15 1.42 -4.34	24.04 1.58 -6.13	25.16 2.07 -2.54	25.48 2.33 -1.94	26.34 2.63 -0.18	27.52 2.71 0.00	32.58 3.17 -1.87	34.05 3.25 -2.28	33.57 3.51 -0.01	37.12 3.46 -2.24	44.87 4.35 -2.68	49.70 5.23 -0.89	46.18 4.61 -0.01	43.12 3.97 -1.69	38.01 3.55 0.00	35.03 3.32 -1.56	32.36 2.94 -2.91	31.83 2.62 -6.01
BABYLON__69_KV_BK2 356345	24.69 2.16 -3.78	22.85 1.65 -6.90	21.35 1.50 -6.41	20.13 1.42 -5.49	20.04 1.36 -5.66	21.58 1.54 -6.45	22.33 1.61 -4.34	24.24 1.78 -6.13	25.42 2.34 -2.54	25.75 2.61 -1.94	26.78 3.08 -0.18	27.94 3.13 0.00	33.22 3.80 -1.87	34.62 3.82 -2.28	34.14 4.09 0.00	37.69 4.02 -2.24	46.09 5.07 -3.18	50.54 6.06 -0.89	46.92 5.36 0.00	46.59 4.53 -4.59	38.47 4.00 -0.01	35.60 3.89 -1.56	32.97 3.55 -2.91	32.20 2.99 -6.01
BARON_WINDS____WT_PWR 323822	19.54 0.02 -0.77	15.64 -0.01 -1.35	14.71 0.04 -1.24	14.44 0.09 -1.12	14.29 0.10 -1.15	15.03 0.12 -1.32	17.43 0.13 -0.91	17.66 0.05 -1.29	20.99 -0.08 -0.53	21.91 0.30 -0.41	24.22 0.66 -0.04	25.54 0.72 0.00	28.18 0.63 0.00	29.29 0.77 0.00	30.62 0.57 0.00	32.27 0.85 0.00	38.75 0.91 0.00	44.24 0.65 0.00	42.48 0.54 -0.38	38.45 0.49 -0.50	35.25 0.69 -0.10	30.76 0.60 0.00	27.42 0.90 0.00	23.83 0.35 -0.29
BARRETT_IC_1 23704	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_10 23701	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_11 23702	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_12 23703	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_2 23705	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_3 23706	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_4 23707	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_5 23708	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_6 23709	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_7 23710	24.11 1.58 -3.78	22.41 1.17 -6.93	20.92 1.06 -6.43	19.72 1.01 -5.49	19.64 0.95 -5.66	21.13 1.09 -6.45	21.91 1.18 -4.34	23.78 1.32 -6.13	24.85 1.77 -2.54	25.14 1.99 -1.94	26.01 2.31 -0.18	27.10 2.28 0.00	32.03 2.62 -1.87	33.31 2.51 -2.28	32.87 2.82 0.00	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.62 0.00	40.54 3.07 0.00	37.01 2.55 0.00	34.25 2.53 -1.56	32.04 2.62 -2.91	31.43 2.23 -6.01

BARRETT_IC_8 23711	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT_IC_9 23700	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT___1 23545	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BARRETT___2 23546	24.11 1.58 -3.78	22.43 1.19 -6.93	20.98 1.11 -6.43	19.77 1.06 -5.49	19.68 0.99 -5.66	21.16 1.11 -6.46	21.94 1.21 -4.34	23.82 1.35 -6.14	24.85 1.77 -2.54	25.16 2.02 -1.94	25.89 2.19 -0.18	27.08 2.26 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.88 2.82 -0.01	36.36 2.70 -2.23	43.55 3.44 -2.27	48.40 3.92 -0.89	45.18 3.61 -0.01	40.57 3.11 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.87 2.44 -2.91	31.44 2.23 -6.01
BATAVIA___115KV_TB1 55881	19.41 0.15 -0.51	15.41 0.21 -0.89	14.60 0.35 -0.82	14.35 0.38 -0.74	14.20 0.40 -0.76	14.87 0.41 -0.87	17.44 0.46 -0.60	17.47 0.29 -0.85	20.83 -0.06 -0.35	21.94 0.47 -0.27	23.90 0.35 -0.02	25.61 0.79 0.00	27.91 0.36 0.00	29.40 0.88 0.00	30.44 0.39 0.00	32.24 0.82 0.00	38.67 0.83 0.00	44.06 0.48 0.00	42.18 0.62 0.00	38.03 0.56 0.00	35.39 0.93 0.00	30.88 0.72 0.00	26.96 0.45 0.00	24.08 0.70 -0.19
BAYONEEC___CTG1 323682	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG10 323750	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG2 323683	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG3 323684	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG4 323685	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG5 323686	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG6 323687	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG7 323688	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG8 323689	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40
BAYONEEC___CTG9 323749	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.48 0.80 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.73 2.27 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.48 1.88 -1.40

BEACON___LESR 323632	24.21 0.62 -4.84	23.26 0.49 -8.47	21.68 0.46 -7.78	20.69 0.44 -7.03	20.74 0.46 -7.25	22.32 0.46 -8.26	21.91 0.57 -4.95	24.75 0.57 -7.86	23.42 0.76 -2.12	24.60 0.91 -2.48	24.74 0.99 -0.23	25.88 1.07 0.00	28.76 1.21 0.00	29.72 1.20 0.00	31.40 1.35 0.00	32.71 1.29 0.00	39.17 1.47 0.14	45.46 1.87 0.00	43.22 1.66 0.00	39.07 1.61 0.00	35.82 1.51 0.16	31.45 1.30 0.00	27.55 1.03 0.00	24.95 0.97 -0.77
BEAVER RIVER___HYD 24048	18.85 -0.04 -0.14	14.52 -0.03 -0.24	13.56 -0.09 -0.22	13.32 -0.11 -0.20	13.13 -0.10 -0.20	13.73 -0.09 -0.23	16.51 -0.03 -0.16	16.50 -0.05 -0.22	20.51 -0.12 -0.09	21.11 -0.17 -0.07	23.41 -0.12 -0.01	24.77 -0.05 0.00	27.47 -0.08 0.00	28.49 -0.03 0.00	30.02 -0.03 0.00	31.61 0.19 0.00	38.33 0.49 0.00	44.15 0.57 0.00	43.23 0.75 -0.92	39.50 0.82 -1.21	35.59 0.89 -0.23	30.67 0.51 0.00	26.94 0.42 0.00	23.58 0.32 -0.05
BEEBEE_GT_13 23619	19.34 0.15 -0.44	15.26 0.19 -0.76	14.40 0.27 -0.70	14.15 0.29 -0.63	13.98 0.30 -0.65	14.65 0.31 -0.74	17.29 0.39 -0.51	17.34 0.29 -0.73	20.93 0.08 -0.30	21.88 0.45 -0.23	23.80 0.26 -0.02	25.39 0.57 0.00	27.82 0.28 0.00	29.18 0.66 0.00	30.41 0.36 0.00	32.11 0.69 0.00	38.56 0.72 0.00	43.98 0.39 0.00	42.02 0.46 0.00	37.84 0.37 0.00	35.05 0.59 0.00	30.61 0.45 0.00	26.78 0.27 0.00	23.90 0.53 -0.16
BENSHRST_27_KV_BENSHRST_1 355998	24.15 1.61 -3.78	22.00 1.09 -6.61	20.42 0.91 -6.07	19.68 0.97 -5.48	19.61 0.93 -5.65	20.94 0.90 -6.45	21.87 1.15 -4.34	23.69 1.24 -6.13	24.87 1.79 -2.54	25.26 2.12 -1.93	26.15 2.45 -0.18	27.25 2.43 0.00	30.50 2.95 -0.01	31.35 2.82 -0.01	33.11 3.07 0.00	34.35 2.92 0.00	41.76 3.78 -0.13	48.07 4.49 0.00	45.38 3.82 0.00	40.72 3.26 0.00	36.98 2.52 0.00	32.87 2.71 0.00	29.15 2.62 -0.01	26.84 2.23 -1.41
BETHLEHEM___GRP 23843	23.96 0.36 -4.85	23.03 0.24 -8.48	21.47 0.24 -7.80	20.49 0.22 -7.04	20.52 0.23 -7.26	22.11 0.24 -8.28	21.69 0.28 -5.03	24.50 0.31 -7.86	23.24 0.45 -2.24	24.28 0.59 -2.48	24.43 0.68 -0.23	25.46 0.65 0.00	28.35 0.80 0.00	29.23 0.71 0.00	30.89 0.84 0.00	32.18 0.75 0.00	38.54 0.83 0.14	44.72 1.13 0.00	42.52 0.96 0.00	38.40 0.94 0.00	35.18 0.86 0.14	30.91 0.75 0.00	27.23 0.72 0.00	24.69 0.60 -0.88
BETHLEHEM___GS1 323560	23.95 0.36 -4.85	23.07 0.29 -8.48	21.50 0.27 -7.80	20.53 0.26 -7.04	20.58 0.29 -7.26	22.14 0.27 -8.28	21.74 0.33 -5.03	24.55 0.36 -7.86	23.24 0.45 -2.24	24.28 0.59 -2.48	24.36 0.61 -0.23	25.46 0.64 0.00	28.29 0.74 0.00	29.23 0.71 0.00	30.86 0.81 0.00	32.18 0.75 0.00	38.54 0.83 0.13	44.71 1.13 0.00	42.52 0.96 0.00	38.40 0.94 0.00	35.18 0.86 0.14	30.91 0.75 0.00	27.10 0.58 0.00	24.69 0.60 -0.89
BETHLEHEM___GS2 323561	23.95 0.36 -4.85	23.07 0.29 -8.48	21.50 0.27 -7.80	20.53 0.26 -7.04	20.58 0.29 -7.26	22.14 0.27 -8.28	21.74 0.33 -5.03	24.55 0.36 -7.86	23.24 0.45 -2.24	24.28 0.59 -2.48	24.36 0.61 -0.23	25.46 0.64 0.00	28.29 0.74 0.00	29.23 0.71 0.00	30.86 0.81 0.00	32.18 0.75 0.00	38.54 0.83 0.13	44.71 1.13 0.00	42.52 0.96 0.00	38.40 0.94 0.00	35.18 0.86 0.14	30.91 0.75 0.00	27.10 0.58 0.00	24.69 0.60 -0.89
BETHLEHEM___GS3 323562	23.95 0.36 -4.85	23.07 0.29 -8.48	21.50 0.27 -7.80	20.53 0.26 -7.04	20.58 0.29 -7.26	22.14 0.27 -8.28	21.74 0.33 -5.03	24.55 0.36 -7.86	23.24 0.45 -2.24	24.28 0.59 -2.48	24.36 0.61 -0.23	25.46 0.64 0.00	28.29 0.74 0.00	29.23 0.71 0.00	30.86 0.81 0.00	32.18 0.75 0.00	38.54 0.83 0.13	44.71 1.13 0.00	42.52 0.96 0.00	38.40 0.94 0.00	35.18 0.86 0.14	30.91 0.75 0.00	27.10 0.58 0.00	24.69 0.60 -0.89
BETHLEHEM___STEEL 23779	19.12 -0.23 -0.59	15.28 -0.06 -1.03	14.49 0.11 -0.95	14.24 0.16 -0.86	14.10 0.18 -0.88	14.78 0.18 -1.01	17.20 0.11 -0.70	17.24 -0.07 -0.99	20.42 -0.53 -0.41	21.56 0.04 -0.31	23.65 0.09 -0.03	25.31 0.50 0.00	27.55 0.00 0.00	29.09 0.57 0.00	30.17 0.12 0.00	31.96 0.53 0.00	38.22 0.38 0.00	43.50 -0.09 0.00	41.48 -0.08 0.00	37.31 -0.15 0.00	34.77 0.31 0.00	30.40 0.24 0.00	26.62 0.11 0.00	23.60 0.19 -0.22
BETHLHEM_115KV_TB1 79974	24.01 0.41 -4.84	23.07 0.29 -8.47	21.51 0.28 -7.79	20.52 0.26 -7.03	20.56 0.27 -7.25	22.15 0.29 -8.27	21.79 0.34 -5.06	24.54 0.36 -7.86	23.37 0.51 -2.31	24.34 0.66 -2.48	24.51 0.75 -0.23	25.54 0.72 0.00	28.43 0.88 0.00	29.32 0.80 0.00	30.98 0.93 0.00	32.27 0.85 0.00	38.66 0.95 0.13	44.80 1.22 0.00	42.60 1.04 0.00	38.48 1.01 0.00	35.26 0.93 0.13	31.00 0.84 0.00	27.31 0.80 0.00	24.82 0.67 -0.95
BETHPAGE_CC_5 323564	24.33 1.80 -3.78	22.55 1.36 -6.89	21.09 1.26 -6.39	19.92 1.20 -5.49	19.82 1.13 -5.66	21.33 1.28 -6.46	22.10 1.38 -4.34	23.97 1.52 -6.13	25.07 1.99 -2.54	25.39 2.25 -1.94	26.27 2.56 -0.18	27.40 2.58 0.00	32.33 2.92 -1.87	33.79 2.99 -2.28	33.27 3.22 -0.01	36.80 3.14 -2.23	44.29 3.97 -2.48	49.18 4.71 -0.89	45.68 4.12 -0.01	41.90 3.56 -0.88	37.63 3.17 0.00	34.70 2.99 -1.56	32.07 2.65 -2.91	31.60 2.39 -6.01
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	19.11 -0.24 -0.60	15.28 -0.07 -1.05	14.49 0.09 -0.96	14.24 0.15 -0.87	14.08 0.16 -0.90	14.76 0.15 -1.02	17.17 0.08 -0.71	17.24 -0.08 -1.00	20.42 -0.53 -0.41	21.57 0.04 -0.32	23.72 0.16 -0.03	25.39 0.57 0.00	27.66 0.11 0.00	29.20 0.68 0.00	30.32 0.27 0.00	32.08 0.66 0.00	38.41 0.57 0.00	43.71 0.13 0.00	41.64 0.08 0.00	37.46 0.00 0.00	34.87 0.41 0.00	30.49 0.33 0.00	26.70 0.19 0.00	23.58 0.16 -0.22
BINGHAMTON___COGEN 23790	20.05 0.19 -1.11	16.43 0.17 -1.95	15.41 0.19 -1.79	15.04 0.20 -1.62	14.89 0.20 -1.67	15.72 0.23 -1.90	17.99 0.29 -1.32	18.46 0.28 -1.86	21.56 0.25 -0.77	22.22 0.42 -0.59	24.10 0.52 -0.05	25.49 0.67 0.00	28.16 0.61 0.00	29.29 0.77 0.00	30.74 0.69 0.00	32.33 0.91 0.00	38.90 1.06 0.00	44.59 1.00 0.00	43.11 0.83 -0.72	39.16 0.75 -0.95	35.40 0.76 -0.18	30.79 0.63 0.00	26.99 0.48 0.00	23.98 0.37 -0.41
BIXINCNT_115KV_LOAD 355685	19.09 -0.30 -0.63	15.26 -0.16 -1.11	14.41 -0.04 -1.02	14.13 -0.01 -0.92	13.98 0.00 -0.95	14.64 -0.03 -1.08	17.02 -0.11 -0.75	17.15 -0.23 -1.06	20.32 -0.66 -0.44	21.42 -0.13 -0.33	23.72 0.16 -0.03	25.51 0.69 0.00	27.80 0.25 0.00	29.32 0.80 0.00	30.44 0.39 0.00	32.15 0.72 0.00	38.56 0.72 0.00	43.80 0.22 0.00	41.69 0.12 0.00	37.65 0.19 0.00	35.05 0.59 0.00	30.61 0.45 0.00	26.75 0.24 0.00	23.43 0.00 -0.23
BLACK RIVER___HYD 24047	19.17 0.23 -0.19	14.81 0.17 -0.33	13.83 0.09 -0.30	13.58 0.08 -0.27	13.39 0.08 -0.28	14.02 0.11 -0.32	16.84 0.25 -0.21	16.85 0.23 -0.30	20.87 0.21 -0.12	21.52 0.21 -0.10	23.82 0.28 -0.01	25.21 0.40 0.00	27.99 0.44 0.00	29.00 0.48 0.00	30.50 0.45 0.00	32.21 0.79 0.00	38.94 1.10 0.00	44.85 1.26 0.00	44.53 1.41 -1.56	41.05 1.54 -2.05	36.47 1.62 -0.39	31.15 0.99 0.00	27.31 0.79 0.00	23.90 0.63 -0.07

BLACKRVR_115KV_TB2 79977	19.17 0.23 -0.19	14.82 0.19 -0.33	13.84 0.11 -0.30	13.59 0.09 -0.27	13.40 0.09 -0.28	14.03 0.12 -0.32	16.86 0.26 -0.21	16.87 0.24 -0.30	20.87 0.21 -0.12	21.52 0.21 -0.10	23.79 0.26 -0.01	25.21 0.40 0.00	27.93 0.39 0.00	29.06 0.54 0.00	30.50 0.45 0.00	32.21 0.79 0.00	38.94 1.10 0.00	44.85 1.26 0.00	44.53 1.41 -1.56	41.05 1.54 -2.05	36.58 1.72 -0.39	31.15 1.00 0.00	27.23 0.72 0.00	23.90 0.63 -0.07
BLISS_WT_PWR 323608	19.09 -0.30 -0.63	15.11 -0.30 -1.11	14.24 -0.22 -1.02	13.97 -0.17 -0.92	13.81 -0.17 -0.95	14.47 -0.20 -1.08	16.82 -0.31 -0.75	16.96 -0.42 -1.06	20.30 -0.68 -0.44	21.39 -0.15 -0.33	24.03 0.47 -0.03	25.51 0.69 0.00	28.13 0.58 0.00	29.32 0.80 0.00	30.50 0.45 0.00	32.11 0.69 0.00	38.52 0.68 0.00	43.80 0.22 0.00	41.60 0.04 0.00	37.65 0.19 0.00	34.98 0.52 0.00	30.64 0.48 0.00	27.44 0.93 0.00	23.41 -0.02 -0.23
BLUE_CIRC_CHEM_DRP 24182	24.14 0.64 -4.75	23.09 0.47 -8.31	21.53 0.46 -7.64	20.56 0.44 -6.90	20.59 0.44 -7.11	22.17 0.46 -8.11	22.06 0.57 -5.11	24.50 0.55 -7.62	23.98 0.82 -2.61	24.54 0.93 -2.40	24.80 1.06 -0.22	25.86 1.04 0.00	28.79 1.24 0.00	29.69 1.17 0.00	31.37 1.32 0.00	32.68 1.26 0.00	39.20 1.44 0.08	45.37 1.79 0.00	43.10 1.54 0.00	38.93 1.46 0.00	35.78 1.41 0.09	31.39 1.24 0.00	27.63 1.11 0.00	25.31 0.95 -1.16
BOC_GAS_DRP 24189	24.14 0.56 -4.82	23.15 0.40 -8.44	21.58 0.39 -7.76	20.61 0.38 -7.00	20.63 0.38 -7.22	22.22 0.39 -8.24	22.12 0.48 -5.26	24.62 0.47 -7.82	23.96 0.70 -2.72	24.50 0.83 -2.47	24.69 0.94 -0.23	25.74 0.92 0.00	28.65 1.10 0.00	29.52 1.00 0.00	31.19 1.14 0.00	32.49 1.07 0.00	38.99 1.25 0.09	45.11 1.53 0.00	42.89 1.33 0.00	38.70 1.24 0.00	35.49 1.10 0.07	31.18 1.03 0.00	27.49 0.98 0.00	25.34 0.84 -1.31
BOONVILLE_115KV_TB1 79983	19.08 0.21 -0.12	14.68 0.16 -0.21	13.74 0.11 -0.20	13.50 0.09 -0.18	13.32 0.10 -0.18	13.92 0.12 -0.21	16.76 0.23 -0.14	16.77 0.24 -0.20	20.91 0.29 -0.08	21.55 0.28 -0.06	23.95 0.42 -0.01	25.36 0.55 0.00	28.10 0.55 0.00	29.18 0.66 0.00	30.59 0.54 0.00	32.18 0.75 0.00	38.94 1.10 0.00	44.85 1.26 0.00	43.25 1.25 -0.44	39.24 1.20 -0.58	35.78 1.21 -0.11	30.94 0.78 0.00	27.10 0.58 0.00	23.76 0.51 -0.04
BORALEX_4TH_BRANCH 23824	24.55 0.97 -4.82	23.53 0.79 -8.44	21.93 0.74 -7.76	20.97 0.74 -7.00	20.98 0.73 -7.22	22.59 0.76 -8.24	23.75 0.93 -6.43	25.03 0.85 -7.86	26.54 1.15 -4.85	25.03 1.34 -2.48	25.16 1.41 -0.23	26.26 1.44 0.00	29.12 1.57 0.00	30.09 1.57 0.00	31.76 1.71 0.00	33.06 1.63 0.00	39.36 1.85 0.34	46.02 2.44 0.00	43.80 2.24 0.00	39.56 2.10 0.00	36.76 2.07 -0.23	31.90 1.75 0.00	27.94 1.43 0.00	27.91 1.44 -3.27
BOWLINE___1 23526	23.49 1.11 -3.63	21.44 0.79 -6.35	19.98 0.71 -5.84	19.20 0.70 -5.27	19.14 0.68 -5.43	20.52 0.73 -6.20	21.47 0.92 -4.17	23.18 0.96 -5.89	24.32 1.33 -2.44	24.66 1.59 -1.86	25.39 1.69 -0.17	26.61 1.79 0.00	29.56 2.01 0.00	30.57 2.05 0.00	32.24 2.19 0.00	33.59 2.17 0.00	40.72 2.76 -0.12	46.81 3.23 0.00	44.30 2.74 0.00	39.90 2.43 0.00	36.49 2.03 0.00	32.12 1.96 0.00	28.16 1.64 0.00	26.10 1.55 -1.34
BOWLINE___2 23595	23.49 1.11 -3.63	21.44 0.79 -6.35	19.98 0.71 -5.84	19.20 0.70 -5.27	19.14 0.68 -5.43	20.52 0.73 -6.20	21.47 0.92 -4.17	23.18 0.96 -5.89	24.32 1.33 -2.44	24.66 1.59 -1.86	25.39 1.69 -0.17	26.61 1.79 0.00	29.56 2.01 0.00	30.57 2.05 0.00	32.24 2.19 0.00	33.59 2.17 0.00	40.72 2.76 -0.12	46.81 3.23 0.00	44.30 2.74 0.00	39.90 2.43 0.00	36.49 2.03 0.00	32.12 1.96 0.00	28.16 1.64 0.00	26.10 1.55 -1.34
BRADY___115KV_TB2 356060	18.40 -0.36 0.00	13.99 -0.31 0.00	13.10 -0.34 0.00	12.87 -0.36 0.00	12.67 -0.36 0.00	13.17 -0.42 0.00	15.88 -0.51 0.00	15.82 -0.51 0.00	19.91 -0.64 0.00	20.40 -0.81 0.00	22.70 -0.82 0.00	23.92 -0.89 0.00	26.64 -0.91 0.00	27.61 -0.91 0.00	29.12 -0.93 0.00	30.45 -0.97 0.00	36.74 -1.10 0.00	42.36 -1.22 0.00	40.77 -0.79 0.00	36.79 -0.67 0.00	33.84 -0.62 0.00	29.61 -0.54 0.00	26.12 -0.40 0.00	22.85 -0.35 0.00
BRANSCOMB___SOLAR 323811	24.84 1.09 -5.00	23.91 0.86 -8.74	22.26 0.79 -8.04	21.26 0.78 -7.25	21.30 0.78 -7.48	22.95 0.83 -8.53	23.81 1.02 -6.41	25.41 0.95 -8.14	26.41 1.29 -4.57	25.26 1.48 -2.57	25.29 1.53 -0.24	26.41 1.59 0.00	29.31 1.76 0.00	30.32 1.80 0.00	32.06 2.01 0.00	33.37 1.95 0.00	39.89 2.23 0.18	46.46 2.88 0.00	44.39 2.83 0.00	40.20 2.73 0.00	37.36 2.72 -0.17	32.45 2.29 0.00	28.42 1.91 0.00	27.84 1.67 -2.97
BRENTWOD_69_KV_W. BRTWOOD 56703	24.56 2.03 -3.78	22.79 1.57 -6.91	21.29 1.44 -6.42	20.06 1.35 -5.49	19.98 1.29 -5.66	21.52 1.48 -6.45	22.24 1.51 -4.34	24.14 1.68 -6.13	25.30 2.22 -2.54	25.60 2.46 -1.94	26.60 2.89 -0.18	27.75 2.93 0.00	32.97 3.55 -1.87	34.33 3.54 -2.28	33.87 3.82 0.00	37.34 3.68 -2.24	46.89 4.69 -4.36	50.10 5.62 -0.89	46.47 4.90 0.00	51.20 4.08 -9.65	38.06 3.58 -0.01	35.30 3.59 -1.56	32.73 3.31 -2.91	32.04 2.83 -6.01
BRISTLHL_115KV_TB1 79998	18.85 -0.19 -0.29	14.72 -0.09 -0.50	13.83 -0.07 -0.46	13.58 -0.07 -0.42	13.40 -0.07 -0.43	14.04 -0.04 -0.49	16.64 -0.07 -0.32	16.70 -0.07 -0.45	20.50 -0.23 -0.19	21.10 -0.25 -0.14	23.25 -0.28 -0.01	24.59 -0.22 0.00	27.25 -0.30 0.00	28.32 -0.20 0.00	29.69 -0.36 0.00	31.17 -0.25 0.00	37.50 -0.34 0.00	43.06 -0.52 0.00	44.56 -0.42 -0.34	41.61 -0.34 -0.49	35.05 -0.28 -0.86	29.85 -0.30 0.00	26.22 -0.29 0.00	23.07 -0.23 -0.11
BROOKHAVEN___DRP 24191	24.37 1.84 -3.78	22.78 1.56 -6.91	21.32 1.45 -6.44	20.06 1.35 -5.49	19.99 1.30 -5.66	21.54 1.50 -6.45	22.02 1.29 -4.34	23.94 1.49 -6.13	25.05 1.97 -2.54	25.35 2.21 -1.94	26.29 2.59 -0.18	27.37 2.56 0.00	32.64 3.22 -1.87	34.05 3.25 -2.28	33.60 3.55 0.00	37.14 3.43 -2.29	45.56 4.39 -3.33	49.76 5.27 -0.90	46.18 4.61 -0.01	49.41 3.86 -8.08	37.86 3.34 -0.06	35.09 3.38 -1.56	32.50 3.08 -2.91	31.85 2.64 -6.01
BROOKLYN_NAVY_YARD 23515	23.82 1.29 -3.78	21.82 0.90 -6.61	20.34 0.83 -6.07	19.53 0.82 -5.48	19.47 0.78 -5.65	20.88 0.84 -6.45	21.82 1.10 -4.34	23.63 1.18 -6.13	24.73 1.64 -2.54	25.09 1.95 -1.93	25.77 2.07 -0.18	26.95 2.13 0.00	29.94 2.40 0.00	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.23 3.25 -0.13	47.46 3.88 0.00	44.84 3.28 0.00	40.31 2.85 0.00	36.77 2.31 0.00	32.42 2.26 0.00	28.50 1.99 0.00	26.50 1.90 -1.40
BROOKLYN___ARMY_DRP 323595	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41



BROOKVLE_69_KV_TB1 55790	24.18 1.65 -3.78	22.33 1.20 -6.82	20.82 1.07 -6.31	19.74 1.03 -5.49	19.68 0.99 -5.66	21.14 1.10 -6.45	21.99 1.26 -4.34	23.84 1.39 -6.13	24.97 1.89 -2.54	25.31 2.16 -1.94	26.27 2.56 -0.18	27.42 2.61 0.00	32.45 3.03 -1.87	33.74 2.94 -2.28	33.24 3.19 0.00	36.80 3.14 -2.23	44.05 3.94 -2.27	49.10 4.62 -0.89	45.63 4.07 0.00	40.99 3.52 0.00	37.42 2.96 0.00	34.58 2.86 -1.56	32.07 2.65 -2.91	31.50 2.30 -6.01
BROOME_2_LFGE 323671	20.05 0.19 -1.11	16.38 0.13 -1.95	15.37 0.15 -1.79	15.00 0.16 -1.62	14.87 0.17 -1.67	15.68 0.19 -1.90	17.96 0.26 -1.32	18.41 0.23 -1.86	21.56 0.25 -0.77	22.20 0.40 -0.59	24.19 0.61 -0.05	25.49 0.67 0.00	28.24 0.69 0.00	29.29 0.77 0.00	30.74 0.69 0.00	32.33 0.91 0.00	38.90 1.06 0.00	44.63 1.04 0.00	43.07 0.79 -0.72	39.16 0.75 -0.95	35.40 0.76 -0.18	30.79 0.63 0.00	27.15 0.64 0.00	23.98 0.37 -0.41
BROOME__LFGE 323600	20.05 0.19 -1.11	16.38 0.13 -1.95	15.37 0.15 -1.79	15.00 0.16 -1.62	14.87 0.17 -1.67	15.68 0.19 -1.90	17.96 0.26 -1.32	18.41 0.23 -1.86	21.56 0.25 -0.77	22.20 0.40 -0.59	24.19 0.61 -0.05	25.49 0.67 0.00	28.24 0.69 0.00	29.29 0.77 0.00	30.74 0.69 0.00	32.33 0.91 0.00	38.90 1.06 0.00	44.63 1.04 0.00	43.07 0.79 -0.72	39.16 0.75 -0.95	35.40 0.76 -0.18	30.79 0.63 0.00	27.15 0.64 0.00	23.98 0.37 -0.41
BROWNFLS_115KV_TB_3_5 80003	18.57 -0.28 -0.10	14.23 -0.24 -0.17	13.31 -0.28 -0.15	13.08 -0.29 -0.14	12.88 -0.30 -0.14	13.40 -0.35 -0.16	16.07 -0.43 -0.11	16.04 -0.44 -0.16	20.01 -0.60 -0.07	20.56 -0.70 -0.05	22.82 -0.71 0.00	24.12 -0.69 0.00	26.78 -0.77 0.00	27.78 -0.74 0.00	29.27 -0.78 0.00	30.73 -0.69 0.00	37.20 -0.64 0.00	42.89 -0.70 0.00	41.78 -0.42 -0.63	38.04 -0.26 -0.83	34.48 -0.14 -0.16	29.88 -0.27 0.00	26.35 -0.16 0.00	23.14 -0.09 -0.04
BROWNSV1_27_KV_LOAD 356125	24.01 1.48 -3.78	21.93 1.02 -6.61	20.38 0.87 -6.07	19.62 0.91 -5.48	19.57 0.89 -5.65	20.95 0.91 -6.45	21.92 1.20 -4.34	23.73 1.27 -6.13	24.89 1.81 -2.54	25.26 2.12 -1.93	26.10 2.40 -0.18	27.22 2.41 0.00	30.39 2.84 0.00	31.20 2.68 0.00	32.96 2.91 0.00	34.25 2.83 0.00	41.68 3.71 -0.13	47.94 4.36 0.00	45.34 3.78 0.00	40.76 3.30 0.00	37.08 2.62 0.00	32.78 2.62 0.00	29.01 2.49 0.00	26.69 2.09 -1.40
BURROWS__LYONSDAL 23803	19.01 0.13 -0.12	14.63 0.10 -0.22	13.67 0.04 -0.20	13.45 0.04 -0.18	13.26 0.04 -0.19	13.87 0.07 -0.21	16.69 0.16 -0.15	16.69 0.16 -0.21	20.81 0.18 -0.09	21.44 0.17 -0.07	23.81 0.28 -0.01	25.19 0.37 0.00	27.93 0.39 0.00	28.98 0.46 0.00	30.44 0.39 0.00	32.02 0.60 0.00	38.82 0.98 0.00	44.72 1.13 0.00	43.22 1.12 -0.53	39.29 1.12 -0.70	35.77 1.17 -0.13	30.88 0.72 0.00	27.07 0.56 0.00	23.71 0.46 -0.05
CAITHNESS_CC_1 323624	24.35 1.82 -3.78	22.75 1.53 -6.91	21.33 1.46 -6.44	20.09 1.38 -5.49	19.99 1.30 -5.66	21.53 1.48 -6.46	22.05 1.33 -4.34	23.96 1.50 -6.13	25.05 1.97 -2.54	25.35 2.21 -1.94	26.17 2.47 -0.18	27.32 2.51 0.00	32.47 3.06 -1.87	34.02 3.22 -2.28	33.51 3.45 -0.01	37.08 3.36 -2.29	46.36 4.27 -4.25	49.67 5.18 -0.90	46.07 4.49 -0.02	49.37 3.86 -8.05	38.00 3.48 -0.06	35.00 3.29 -1.56	32.26 2.84 -2.91	31.83 2.62 -6.01
CALPINE BETH_PAGE_GT4 24209	24.33 1.80 -3.78	22.51 1.33 -6.88	21.01 1.20 -6.38	19.85 1.14 -5.49	19.77 1.08 -5.66	21.27 1.22 -6.45	22.05 1.33 -4.34	23.94 1.49 -6.13	25.03 1.95 -2.54	25.35 2.21 -1.94	26.31 2.61 -0.18	27.42 2.61 0.00	32.42 3.00 -1.87	33.71 2.91 -2.28	33.24 3.19 0.00	36.77 3.11 -2.23	44.17 3.94 -2.39	49.10 4.62 -0.89	45.63 4.07 0.00	41.62 3.48 -0.67	37.39 2.93 0.00	34.64 2.93 -1.56	32.20 2.78 -2.91	31.53 2.32 -6.01
CALPINE_BETH_PAGE_GT_4 323586	24.31 1.78 -3.78	22.53 1.34 -6.88	21.06 1.25 -6.38	19.90 1.19 -5.49	19.80 1.11 -5.66	21.31 1.26 -6.46	22.10 1.38 -4.34	23.96 1.50 -6.13	25.03 1.95 -2.54	25.37 2.23 -1.94	26.24 2.54 -0.18	27.40 2.58 0.00	32.28 2.86 -1.87	33.74 2.94 -2.28	33.21 3.15 -0.01	36.77 3.11 -2.23	44.17 3.90 -2.43	49.14 4.67 -0.89	45.64 4.08 -0.01	41.62 3.48 -0.67	37.60 3.14 0.00	34.64 2.92 -1.56	32.02 2.60 -2.91	31.55 2.34 -6.01
CALPINE_BP_GT1 23823	24.31 1.78 -3.78	22.53 1.34 -6.88	21.06 1.25 -6.38	19.90 1.19 -5.49	19.80 1.11 -5.66	21.31 1.26 -6.46	22.10 1.38 -4.34	23.96 1.50 -6.13	25.03 1.95 -2.54	25.37 2.23 -1.94	26.24 2.54 -0.18	27.40 2.58 0.00	32.28 2.86 -1.87	33.74 2.94 -2.28	33.21 3.15 -0.01	36.77 3.11 -2.23	44.17 3.90 -2.43	49.14 4.67 -0.89	45.64 4.08 -0.01	41.62 3.48 -0.67	37.60 3.14 0.00	34.64 2.92 -1.56	32.02 2.60 -2.91	31.55 2.34 -6.01
CALSPAN__DRP 24200	19.12 -0.23 -0.59	15.28 -0.06 -1.03	14.49 0.11 -0.95	14.24 0.16 -0.86	14.10 0.18 -0.88	14.78 0.18 -1.01	17.20 0.11 -0.70	17.24 -0.07 -0.99	20.42 -0.53 -0.41	21.56 0.04 -0.31	23.65 0.09 -0.03	25.31 0.50 0.00	27.55 0.00 0.00	29.09 0.57 0.00	30.17 0.12 0.00	31.96 0.53 0.00	38.22 0.38 0.00	43.50 -0.09 0.00	41.48 -0.08 0.00	37.31 -0.15 0.00	34.77 0.31 0.00	30.40 0.24 0.00	26.62 0.11 0.00	23.60 0.19 -0.22
CALVERTON__SOLAR 323806	24.41 1.88 -3.78	22.85 1.63 -6.91	21.43 1.56 -6.44	20.19 1.48 -5.49	20.10 1.41 -5.66	21.64 1.59 -6.46	22.10 1.38 -4.34	23.99 1.53 -6.13	25.12 2.03 -2.54	25.41 2.27 -1.94	26.27 2.56 -0.18	27.42 2.61 0.00	32.64 3.22 -1.87	34.22 3.42 -2.28	33.69 3.63 -0.01	37.29 3.58 -2.29	46.64 4.54 -4.26	50.02 5.54 -0.90	46.40 4.82 -0.02	49.72 4.16 -8.10	38.24 3.72 -0.06	35.21 3.50 -1.56	32.41 3.00 -2.91	31.94 2.74 -6.01
CANDIGU_WT_PWR 323617	19.54 0.02 -0.77	15.64 -0.01 -1.35	14.71 0.04 -1.24	14.44 0.09 -1.12	14.29 0.10 -1.15	15.03 0.12 -1.32	17.43 0.13 -0.91	17.66 0.05 -1.29	20.99 -0.08 -0.53	21.91 0.30 -0.41	24.22 0.66 -0.04	25.54 0.72 0.00	28.18 0.63 0.00	29.29 0.77 0.00	30.62 0.57 0.00	32.27 0.85 0.00	38.75 0.91 0.00	44.24 0.65 0.00	42.48 0.54 -0.38	38.45 0.49 -0.50	35.25 0.69 -0.10	30.76 0.60 0.00	27.42 0.90 0.00	23.83 0.35 -0.29
CARR STREET_E__SYR 24060	19.00 -0.07 -0.33	14.85 -0.03 -0.57	13.93 -0.03 -0.52	13.69 -0.01 -0.47	13.51 -0.01 -0.49	14.16 0.01 -0.56	16.86 0.08 -0.40	16.97 0.08 -0.56	20.82 0.04 -0.23	21.47 0.09 -0.18	23.71 0.17 -0.02	24.97 0.15 0.00	27.63 0.08 0.00	28.63 0.11 0.00	30.11 0.06 0.00	31.61 0.19 0.00	38.03 0.19 0.00	43.63 0.04 0.00	42.37 -0.21 -1.02	38.65 -0.15 -1.34	34.58 -0.14 -0.26	29.98 -0.18 0.00	26.41 -0.11 0.00	23.16 -0.16 -0.12
CARTHAGE__PAPER 23857	19.00 0.08 -0.17	14.64 0.04 -0.29	13.68 -0.03 -0.27	13.43 -0.04 -0.24	13.24 -0.04 -0.25	13.85 -0.03 -0.29	16.64 0.07 -0.19	16.64 0.05 -0.27	20.65 0.00 -0.11	21.25 -0.04 -0.09	23.53 0.00 -0.01	24.92 0.10 0.00	27.63 0.08 0.00	28.66 0.14 0.00	30.17 0.12 0.00	31.80 0.38 0.00	38.52 0.68 0.00	44.41 0.83 0.00	43.91 1.04 -1.31	40.35 1.16 -1.72	36.00 1.21 -0.33	30.88 0.72 0.00	27.10 0.58 0.00	23.70 0.44 -0.06

CASSADAGA_WT_PWR 323784	19.39 0.02 -0.62	15.32 -0.07 -1.08	14.39 -0.04 -1.00	14.15 0.03 -0.90	14.00 0.04 -0.93	14.70 0.05 -1.06	17.13 0.02 -0.73	17.34 -0.02 -1.03	20.89 -0.08 -0.43	22.13 0.59 -0.33	24.80 1.25 -0.03	26.11 1.29 0.00	28.84 1.30 0.00	30.14 1.62 0.00	31.37 1.32 0.00	33.09 1.66 0.00	39.62 1.78 0.00	45.15 1.57 0.00	42.93 1.37 0.00	38.78 1.31 0.00	36.11 1.65 0.00	31.63 1.48 0.00	28.32 1.80 0.00	24.31 0.88 -0.23
CE_DUNWOOD___DRP 24194	23.74 1.22 -3.77	21.75 0.86 -6.59	20.23 0.74 -6.06	19.45 0.75 -5.47	19.41 0.74 -5.64	20.80 0.77 -6.43	21.70 0.98 -4.33	23.48 1.04 -6.11	24.55 1.48 -2.53	24.90 1.76 -1.93	25.68 1.98 -0.18	26.80 1.99 0.00	29.89 2.34 0.00	30.74 2.22 0.00	32.48 2.43 0.00	33.78 2.36 0.00	41.00 3.03 -0.13	47.16 3.57 0.00	44.64 3.08 0.00	40.20 2.73 0.00	36.70 2.24 0.00	32.36 2.20 0.00	28.58 2.07 0.00	26.34 1.74 -1.40
CE_MILLWOOD___DRP 24193	23.68 1.18 -3.75	21.69 0.83 -6.56	20.17 0.71 -6.03	19.39 0.73 -5.44	19.35 0.70 -5.61	20.74 0.75 -6.40	21.63 0.93 -4.31	23.40 1.00 -6.08	24.48 1.42 -2.52	24.80 1.68 -1.92	25.58 1.88 -0.18	26.73 1.91 0.00	29.81 2.26 0.00	30.66 2.14 0.00	32.42 2.37 0.00	33.72 2.29 0.00	40.89 2.91 -0.13	47.07 3.49 0.00	44.55 2.99 0.00	40.09 2.62 0.00	36.63 2.17 0.00	32.27 2.11 0.00	28.50 1.99 0.00	26.26 1.67 -1.39
CE_NYC2_DRP 24202	23.94 1.41 -3.78	21.87 0.96 -6.61	20.31 0.81 -6.07	19.56 0.85 -5.48	19.51 0.82 -5.65	20.87 0.83 -6.45	21.79 1.06 -4.34	23.61 1.16 -6.13	24.75 1.66 -2.54	25.12 1.97 -1.93	25.94 2.23 -0.18	27.05 2.23 0.00	30.23 2.67 -0.01	31.07 2.54 -0.01	32.78 2.73 0.00	34.03 2.61 0.00	41.42 3.44 -0.13	47.68 4.10 0.00	44.97 3.41 0.00	40.39 2.92 0.00	36.70 2.24 0.00	32.54 2.38 0.00	28.88 2.36 -0.01	26.60 2.00 -1.41
CE_NYC_DRP 24195	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.60 1.14 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.87 2.16 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.94 2.42 0.00	32.69 2.64 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.51 3.92 0.00	44.93 3.37 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.51 2.35 0.00	28.77 2.25 0.00	26.48 1.88 -1.40
CHAFFEE___LFGE 323603	19.14 -0.22 -0.61	15.21 -0.17 -1.07	14.36 -0.05 -0.98	14.13 0.01 -0.89	13.99 0.04 -0.92	14.65 0.01 -1.04	17.03 -0.08 -0.72	17.12 -0.23 -1.02	20.47 -0.49 -0.42	21.62 0.09 -0.32	24.16 0.61 -0.03	25.44 0.62 0.00	28.10 0.55 0.00	29.29 0.77 0.00	30.50 0.45 0.00	32.18 0.75 0.00	38.48 0.64 0.00	43.85 0.26 0.00	41.73 0.17 0.00	37.58 0.11 0.00	34.94 0.48 0.00	30.61 0.45 0.00	27.50 0.98 0.00	23.64 0.21 -0.23
CHATEAUG_35_KV_LOAD 355732	18.43 -0.32 0.00	13.94 -0.37 0.00	12.99 -0.44 0.00	12.70 -0.53 0.00	12.45 -0.59 0.00	12.88 -0.71 0.00	15.53 -0.85 0.00	15.51 -0.82 0.00	19.64 -0.90 0.00	20.25 -0.95 0.00	22.54 -0.99 0.00	23.68 -1.14 0.00	26.36 -1.18 0.00	27.35 -1.17 0.00	29.15 -0.90 0.00	30.42 -1.01 0.00	36.82 -1.02 0.00	42.62 -0.96 0.00	40.81 -0.75 0.00	36.53 -0.94 0.00	33.53 -0.93 0.00	29.46 -0.69 0.00	25.80 -0.72 0.00	22.43 -0.77 0.00
CHATEAUG_WT_PWR 323614	18.47 -0.28 0.00	13.96 -0.34 0.00	13.03 -0.40 0.00	12.74 -0.49 0.00	12.47 -0.56 0.00	12.93 -0.67 0.00	15.56 -0.82 0.00	15.52 -0.80 0.00	19.68 -0.86 0.00	20.32 -0.89 0.00	22.58 -0.94 0.00	23.78 -1.04 0.00	26.42 -1.13 0.00	27.44 -1.08 0.00	29.24 -0.81 0.00	30.51 -0.91 0.00	36.89 -0.94 0.00	42.58 -1.00 0.00	40.85 -0.71 0.00	36.57 -0.90 0.00	33.53 -0.93 0.00	29.46 -0.69 0.00	25.80 -0.71 0.00	22.44 -0.77 0.00
CHAT_HIGH_FALL_HYD 323578	18.43 -0.32 0.00	13.94 -0.37 0.00	13.00 -0.43 0.00	12.71 -0.52 0.00	12.45 -0.59 0.00	12.90 -0.69 0.00	15.55 -0.83 0.00	15.51 -0.82 0.00	19.64 -0.90 0.00	20.25 -0.95 0.00	22.49 -1.03 0.00	23.68 -1.14 0.00	26.34 -1.21 0.00	27.35 -1.17 0.00	29.15 -0.90 0.00	30.42 -1.01 0.00	36.82 -1.02 0.00	42.54 -1.05 0.00	40.81 -0.75 0.00	36.53 -0.94 0.00	33.53 -0.93 0.00	29.46 -0.69 0.00	25.77 -0.74 0.00	22.44 -0.77 0.00
CHAUTAUQUA___LFGE 323629	19.36 0.00 -0.61	15.33 -0.04 -1.07	14.44 0.03 -0.98	14.22 0.11 -0.88	14.06 0.12 -0.91	14.74 0.11 -1.04	17.17 0.07 -0.72	17.31 -0.03 -1.02	20.78 -0.19 -0.42	21.98 0.45 -0.32	24.52 0.96 -0.03	25.81 0.99 0.00	28.49 0.94 0.00	29.75 1.23 0.00	30.98 0.93 0.00	32.68 1.26 0.00	39.09 1.25 0.00	44.54 0.96 0.00	42.35 0.79 0.00	38.21 0.75 0.00	35.56 1.10 0.00	31.15 0.99 0.00	27.94 1.43 0.00	24.05 0.63 -0.23
CHERRYST_13_KV_LD 356241	23.90 1.37 -3.78	21.86 0.94 -6.61	20.31 0.81 -6.07	19.56 0.85 -5.48	19.51 0.82 -5.65	20.90 0.86 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.79 1.70 -2.54	25.18 2.04 -1.93	25.98 2.28 -0.18	27.10 2.28 0.00	30.25 2.70 0.00	31.06 2.54 0.00	32.81 2.76 0.00	34.09 2.67 0.00	41.45 3.48 -0.13	47.72 4.14 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.87 2.41 0.00	32.60 2.44 0.00	28.85 2.33 0.00	26.55 1.95 -1.40
CHESTROR_138KV_BK263 355645	23.12 0.94 -3.43	20.96 0.66 -6.00	19.53 0.58 -5.51	18.80 0.60 -4.98	18.74 0.57 -5.13	20.04 0.60 -5.85	21.08 0.75 -3.94	22.69 0.80 -5.57	23.98 1.13 -2.31	24.32 1.36 -1.76	25.19 1.51 -0.16	26.33 1.51 0.00	29.34 1.79 0.00	30.26 1.74 0.00	31.97 1.92 0.00	33.31 1.89 0.00	40.33 2.38 -0.11	46.33 2.75 0.00	43.89 2.33 0.00	39.56 2.10 0.00	36.18 1.72 0.00	31.85 1.69 0.00	28.08 1.56 0.00	25.77 1.30 -1.27
CH_MIDHUDSON___DRP 24192	23.73 1.11 -3.87	21.84 0.77 -6.76	20.34 0.69 -6.22	19.53 0.69 -5.61	19.50 0.68 -5.79	20.90 0.71 -6.60	21.71 0.88 -4.44	23.51 0.91 -6.27	24.45 1.31 -2.60	24.74 1.55 -1.98	25.45 1.74 -0.18	26.58 1.76 0.00	29.62 2.07 0.00	30.52 2.00 0.00	32.24 2.19 0.00	33.53 2.11 0.00	40.62 2.69 -0.09	46.68 3.09 0.00	44.26 2.70 0.00	39.90 2.44 0.00	36.49 2.03 0.00	32.12 1.96 0.00	28.32 1.80 0.00	26.16 1.53 -1.43
CH_MISC_IPPS 23765	23.71 1.18 -3.78	21.75 0.83 -6.61	20.26 0.75 -6.08	19.47 0.75 -5.49	19.42 0.73 -5.66	20.82 0.77 -6.45	21.69 0.97 -4.34	23.45 1.00 -6.13	24.46 1.38 -2.54	24.75 1.61 -1.93	25.44 1.74 -0.18	26.68 1.86 0.00	29.62 2.07 0.00	30.69 2.17 0.00	32.40 2.35 0.00	33.72 2.29 0.00	40.85 2.91 -0.10	46.89 3.31 0.00	44.43 2.87 0.00	40.09 2.62 0.00	36.67 2.21 0.00	32.21 2.05 0.00	28.21 1.70 0.00	26.20 1.60 -1.40
CH_RES_BVR_FALLS 23983	18.49 -0.26 0.00	14.09 -0.21 0.00	13.22 -0.22 0.00	13.00 -0.22 0.00	12.81 -0.22 0.00	13.35 -0.24 0.00	16.09 -0.29 0.00	16.03 -0.29 0.00	20.17 -0.37 0.00	20.76 -0.45 0.00	23.03 -0.50 0.00	24.29 -0.52 0.00	27.00 -0.55 0.00	27.95 -0.57 0.00	29.48 -0.57 0.00	30.79 -0.63 0.00	37.12 -0.72 0.00	42.80 -0.78 0.00	40.89 -0.67 0.00	36.86 -0.60 0.00	33.87 -0.59 0.00	29.67 -0.48 0.00	26.06 -0.45 0.00	22.83 -0.37 0.00

CH_RES_NIAGARA 23895	18.66 -0.64 -0.54	14.82 -0.44 -0.95	14.05 -0.26 -0.88	13.85 -0.17 -0.79	13.69 -0.16 -0.82	14.30 -0.22 -0.93	16.60 -0.43 -0.64	16.53 -0.70 -0.91	19.79 -1.13 -0.38	20.90 -0.59 -0.29	23.13 -0.42 -0.03	24.27 -0.55 0.00	26.72 -0.83 0.00	27.72 -0.80 0.00	28.85 -1.20 0.00	30.45 -0.97 0.00	36.32 -1.51 0.00	41.32 -2.27 0.00	39.44 -2.12 0.00	35.56 -1.91 0.00	33.12 -1.34 0.00	29.10 -1.06 0.00	26.36 -0.16 0.00	22.94 -0.46 -0.20
CH_RES_SYRACUSE 23985	19.13 0.02 -0.36	14.98 0.04 -0.63	14.06 0.04 -0.58	13.79 0.04 -0.53	13.63 0.05 -0.54	14.28 0.07 -0.62	17.16 0.34 -0.43	17.29 0.36 -0.61	21.17 0.37 -0.25	21.87 0.47 -0.19	24.18 0.64 -0.02	25.54 0.72 0.00	28.32 0.77 0.00	29.37 0.85 0.00	30.80 0.75 0.00	32.43 1.01 0.00	39.01 1.17 0.00	44.71 1.13 0.00	43.67 0.21 -1.90	40.19 0.23 -2.50	35.15 0.21 -0.48	30.28 0.12 0.00	26.65 0.13 0.00	23.36 0.02 -0.13
CLINTON_WT_PWR 323605	18.47 -0.28 0.00	13.96 -0.34 0.00	13.03 -0.40 0.00	12.74 -0.49 0.00	12.47 -0.56 0.00	12.93 -0.67 0.00	15.56 -0.82 0.00	15.52 -0.80 0.00	19.68 -0.86 0.00	20.32 -0.89 0.00	22.58 -0.94 0.00	23.78 -1.04 0.00	26.42 -1.13 0.00	27.44 -1.08 0.00	29.24 -0.81 0.00	30.51 -0.91 0.00	36.89 -0.94 0.00	42.58 -1.00 0.00	40.85 -0.71 0.00	36.57 -0.90 0.00	33.53 -0.93 0.00	29.46 -0.69 0.00	25.80 -0.71 0.00	22.44 -0.77 0.00
CLINTON____LFGE 323618	18.57 -0.19 0.00	14.04 -0.27 0.00	13.08 -0.35 0.00	12.79 -0.44 0.00	12.52 -0.51 0.00	12.97 -0.62 0.00	15.65 -0.74 0.00	15.62 -0.70 0.00	19.80 -0.74 0.00	20.45 -0.76 0.00	22.70 -0.82 0.00	23.92 -0.89 0.00	26.61 -0.94 0.00	27.61 -0.91 0.00	29.45 -0.60 0.00	30.70 -0.72 0.00	37.20 -0.64 0.00	42.97 -0.61 0.00	41.27 -0.29 0.00	36.90 -0.56 0.00	33.80 -0.66 0.00	29.73 -0.42 0.00	26.01 -0.50 0.00	22.60 -0.60 0.00
COBBLENY_34_KV_TB1 80064	19.14 -0.23 -0.61	15.33 -0.04 -1.07	14.54 0.12 -0.98	14.27 0.16 -0.89	14.13 0.18 -0.92	14.81 0.18 -1.04	17.22 0.11 -0.72	17.30 -0.05 -1.02	20.47 -0.49 -0.42	21.62 0.08 -0.32	23.77 0.21 -0.03	25.44 0.62 0.00	27.69 0.14 0.00	29.29 0.77 0.00	30.38 0.33 0.00	32.18 0.75 0.00	38.48 0.64 0.00	43.84 0.26 0.00	41.77 0.21 0.00	37.58 0.11 0.00	34.98 0.52 0.00	30.55 0.39 0.00	26.73 0.21 0.00	23.64 0.21 -0.23
COFFEEN__115KV_TB3 355620	19.30 0.36 -0.19	14.93 0.29 -0.33	13.93 0.19 -0.31	13.68 0.17 -0.28	13.50 0.18 -0.29	14.12 0.20 -0.33	16.98 0.38 -0.22	16.99 0.36 -0.31	21.02 0.35 -0.13	21.67 0.36 -0.10	23.96 0.42 -0.01	25.41 0.60 0.00	28.16 0.61 0.00	29.29 0.77 0.00	30.71 0.66 0.00	32.49 1.07 0.00	39.28 1.44 0.00	45.24 1.66 0.00	44.99 1.83 -1.60	41.52 1.95 -2.11	36.97 2.10 -0.40	31.42 1.27 0.00	27.44 0.93 0.00	24.08 0.81 -0.07
COLDSPRG_115KV_BK1 355956	19.52 0.13 -0.64	15.59 0.17 -1.11	14.71 0.26 -1.02	14.45 0.30 -0.92	14.31 0.33 -0.95	15.03 0.35 -1.09	17.51 0.38 -0.75	17.71 0.33 -1.06	21.06 0.08 -0.44	22.29 0.74 -0.34	24.68 1.13 -0.03	26.33 1.51 0.00	28.73 1.18 0.00	30.40 1.88 0.00	31.58 1.53 0.00	33.40 1.98 0.00	40.00 2.16 0.00	45.50 1.92 0.00	43.26 1.70 0.00	39.08 1.61 0.00	36.46 2.00 0.00	31.85 1.69 0.00	27.81 1.30 0.00	24.36 0.93 -0.24
COLONIE_LFGE____ 323577	24.50 0.82 -4.92	23.58 0.66 -8.61	21.97 0.62 -7.92	20.98 0.61 -7.15	21.01 0.61 -7.37	22.63 0.64 -8.40	24.00 0.80 -6.81	25.11 0.75 -8.03	26.97 1.03 -5.40	24.95 1.21 -2.54	25.03 1.27 -0.23	26.13 1.31 0.00	29.01 1.46 0.00	29.97 1.45 0.00	31.67 1.62 0.00	32.96 1.54 0.00	39.40 1.78 0.22	45.85 2.26 0.00	43.68 2.12 0.00	39.45 1.98 0.00	36.69 1.93 -0.30	31.81 1.66 0.00	27.86 1.35 0.00	28.23 1.28 -3.75
COOPERNY_115KV_TB1 80082	22.03 0.71 -2.56	19.29 0.50 -4.48	18.00 0.44 -4.12	17.40 0.45 -3.72	17.31 0.44 -3.84	18.43 0.46 -4.37	19.90 0.57 -2.95	21.09 0.60 -4.16	23.11 0.84 -1.72	23.56 1.04 -1.31	24.80 1.15 -0.12	26.01 1.19 0.00	28.93 1.38 0.00	29.86 1.34 0.00	31.49 1.44 0.00	32.87 1.45 0.00	39.72 1.82 -0.06	45.72 2.14 0.00	43.39 1.83 0.00	39.08 1.61 0.00	35.80 1.34 0.00	31.45 1.30 0.00	27.71 1.19 0.00	25.15 1.00 -0.95
COPENHAGEN_WT_PWR 323753	19.14 0.19 -0.20	14.79 0.14 -0.34	13.82 0.07 -0.32	13.58 0.07 -0.29	13.39 0.07 -0.29	14.02 0.10 -0.34	16.82 0.21 -0.22	16.84 0.20 -0.32	20.84 0.16 -0.13	21.48 0.17 -0.10	23.77 0.24 -0.01	25.16 0.35 0.00	27.91 0.36 0.00	28.92 0.40 0.00	30.41 0.36 0.00	32.11 0.69 0.00	38.79 0.95 0.00	44.63 1.04 0.00	44.45 1.21 -1.68	41.02 1.35 -2.21	36.30 1.41 -0.42	31.03 0.88 0.00	27.20 0.69 0.00	23.81 0.53 -0.07
CORNELL____ 23752	19.90 0.38 -0.77	15.99 0.33 -1.36	14.99 0.31 -1.25	14.66 0.30 -1.13	14.51 0.31 -1.16	15.28 0.37 -1.32	17.87 0.56 -0.93	18.19 0.55 -1.31	21.64 0.55 -0.54	22.30 0.68 -0.41	24.34 0.78 -0.04	25.79 0.97 0.00	28.51 0.96 0.00	29.69 1.17 0.00	31.10 1.05 0.00	32.77 1.35 0.00	39.54 1.70 0.00	45.46 1.87 0.00	44.09 1.50 -1.03	40.20 1.39 -1.35	36.06 1.34 -0.26	31.18 1.03 0.00	27.28 0.77 0.00	24.11 0.63 -0.29
CORONA_AV_69_KV_TB1 355595	24.20 1.67 -3.78	22.40 1.23 -6.86	20.88 1.10 -6.35	19.77 1.06 -5.49	19.69 1.00 -5.66	21.17 1.13 -6.45	21.97 1.25 -4.34	23.84 1.39 -6.13	24.93 1.85 -2.54	25.26 2.12 -1.94	26.22 2.52 -0.18	27.35 2.53 0.00	32.36 2.95 -1.87	33.68 2.88 -2.28	33.15 3.10 0.00	36.73 3.08 -2.23	44.05 3.94 -2.27	49.05 4.58 -0.89	45.72 4.16 0.00	41.02 3.56 0.00	37.46 3.00 0.00	34.64 2.93 -1.56	32.23 2.81 -2.91	31.55 2.34 -6.01
CORTLAND_115KV_TB3 80093	19.63 0.24 -0.63	15.63 0.21 -1.11	14.65 0.20 -1.02	14.34 0.20 -0.92	14.19 0.21 -0.95	14.92 0.24 -1.08	17.54 0.39 -0.76	17.78 0.38 -1.08	21.38 0.39 -0.45	22.04 0.49 -0.34	24.14 0.59 -0.03	25.54 0.72 0.00	28.27 0.72 0.00	29.38 0.86 0.00	30.83 0.78 0.00	32.43 1.01 0.00	39.09 1.25 0.00	44.85 1.26 0.00	43.63 1.00 -1.07	39.81 0.94 -1.40	35.66 0.93 -0.27	30.85 0.69 0.00	27.02 0.50 0.00	23.85 0.42 -0.23
COXSACKIE____GT 23611	24.23 0.94 -4.54	22.92 0.67 -7.94	21.37 0.63 -7.30	20.45 0.63 -6.59	20.48 0.65 -6.80	22.02 0.68 -7.75	22.35 1.10 -4.87	24.61 1.06 -7.22	24.77 1.68 -2.54	25.01 1.53 -2.28	25.55 1.81 -0.21	26.70 1.89 0.00	29.70 2.15 0.00	30.83 2.31 0.00	32.63 2.58 0.00	34.03 2.61 0.00	41.16 3.37 0.04	47.03 3.44 0.00	44.14 2.58 0.00	40.09 2.62 0.00	36.82 2.45 0.09	32.24 2.08 0.00	28.05 1.54 0.00	25.77 1.46 -1.10
CPV_VALLEY____CC1 323721	22.66 0.79 -3.12	20.34 0.57 -5.46	18.98 0.52 -5.02	18.27 0.52 -4.53	18.21 0.51 -4.67	19.46 0.54 -5.33	20.66 0.69 -3.59	22.09 0.70 -5.07	23.61 0.97 -2.10	23.99 1.19 -1.60	24.94 1.27 -0.15	26.16 1.34 0.00	29.04 1.49 0.00	30.06 1.54 0.00	31.70 1.65 0.00	33.02 1.60 0.00	39.97 2.04 -0.09	45.98 2.40 0.00	43.60 2.04 0.00	39.26 1.80 0.00	35.97 1.51 0.00	31.60 1.45 0.00	27.71 1.19 0.00	25.49 1.14 -1.16

CPV_VALLEY___CC2 323722	22.66 0.79 -3.12	20.34 0.57 -5.46	18.98 0.52 -5.02	18.27 0.52 -4.53	18.21 0.51 -4.67	19.46 0.54 -5.33	20.66 0.69 -3.59	22.09 0.70 -5.07	23.61 0.97 -2.10	23.99 1.19 -1.60	24.94 1.27 -0.15	26.16 1.34 0.00	29.04 1.49 0.00	30.06 1.54 0.00	31.70 1.65 0.00	33.02 1.60 0.00	39.97 2.04 -0.09	45.98 2.40 0.00	43.60 2.04 0.00	39.26 1.80 0.00	35.97 1.51 0.00	31.60 1.45 0.00	27.71 1.19 0.00	25.49 1.14 -1.16
CRESCENT___HYD 24018	24.50 0.82 -4.92	23.58 0.66 -8.61	21.97 0.62 -7.92	20.98 0.61 -7.15	21.01 0.61 -7.37	22.63 0.64 -8.40	24.00 0.80 -6.81	25.11 0.75 -8.03	26.97 1.03 -5.40	24.95 1.21 -2.54	25.03 1.27 -0.23	26.13 1.31 0.00	29.01 1.46 0.00	29.97 1.45 0.00	31.67 1.62 0.00	32.96 1.54 0.00	39.40 1.78 0.22	45.85 2.26 0.00	43.68 2.12 0.00	39.45 1.98 0.00	36.69 1.93 -0.30	31.81 1.66 0.00	27.86 1.35 0.00	28.23 1.28 -3.75
CRICKET___VALLEY_CC1 323756	23.72 0.94 -4.03	22.08 0.73 -7.05	20.58 0.67 -6.48	19.74 0.66 -5.85	19.71 0.65 -6.03	21.15 0.68 -6.88	21.85 0.84 -4.63	23.69 0.83 -6.54	24.38 1.13 -2.71	24.61 1.34 -2.06	25.10 1.39 -0.19	26.26 1.44 0.00	29.15 1.60 0.00	30.12 1.60 0.00	31.79 1.74 0.00	33.09 1.66 0.00	37.86 2.04 2.02	46.11 2.53 0.00	43.76 2.20 0.00	39.45 1.98 0.00	36.22 1.76 0.00	31.75 1.60 0.00	27.84 1.33 0.00	26.01 1.32 -1.49
CRICKET___VALLEY_CC2 323757	23.72 0.94 -4.03	22.08 0.73 -7.05	20.58 0.67 -6.48	19.74 0.66 -5.85	19.71 0.65 -6.03	21.15 0.68 -6.88	21.85 0.84 -4.63	23.69 0.83 -6.54	24.38 1.13 -2.71	24.61 1.34 -2.06	25.10 1.39 -0.19	26.26 1.44 0.00	29.15 1.60 0.00	30.12 1.60 0.00	31.79 1.74 0.00	33.09 1.66 0.00	37.86 2.04 2.02	46.11 2.53 0.00	43.76 2.20 0.00	39.45 1.98 0.00	36.22 1.76 0.00	31.75 1.60 0.00	27.84 1.33 0.00	26.01 1.32 -1.49
CRICKET___VALLEY_CC3 323758	23.72 0.94 -4.03	22.08 0.73 -7.05	20.58 0.67 -6.48	19.74 0.66 -5.85	19.71 0.65 -6.03	21.15 0.68 -6.88	21.85 0.84 -4.63	23.69 0.83 -6.54	24.38 1.13 -2.71	24.61 1.34 -2.06	25.10 1.39 -0.19	26.26 1.44 0.00	29.15 1.60 0.00	30.12 1.60 0.00	31.79 1.74 0.00	33.09 1.66 0.00	37.86 2.04 2.02	46.11 2.53 0.00	43.76 2.20 0.00	39.45 1.98 0.00	36.22 1.76 0.00	31.75 1.60 0.00	27.84 1.33 0.00	26.01 1.32 -1.49
CRUCIBLE_METL_DRP 24180	19.13 0.02 -0.36	15.00 0.06 -0.63	14.08 0.07 -0.58	13.82 0.07 -0.53	13.64 0.07 -0.54	14.31 0.10 -0.62	17.21 0.39 -0.43	17.33 0.39 -0.61	21.16 0.37 -0.25	21.87 0.47 -0.19	24.08 0.54 -0.02	25.51 0.69 0.00	28.24 0.69 0.00	29.38 0.86 0.00	30.80 0.75 0.00	32.43 1.01 0.00	39.01 1.17 0.00	44.72 1.13 0.00	43.67 0.21 -1.90	40.19 0.22 -2.50	35.15 0.21 -0.48	30.28 0.12 0.00	26.54 0.03 0.00	23.36 0.02 -0.13
DAHOWA___HYDRO 323763	24.93 1.16 -5.01	23.99 0.92 -8.77	22.34 0.85 -8.06	21.33 0.83 -7.27	21.36 0.82 -7.50	23.03 0.88 -8.55	23.83 1.10 -6.35	25.51 1.03 -8.16	26.40 1.42 -4.44	25.40 1.61 -2.58	25.38 1.62 -0.24	26.53 1.71 0.00	29.45 1.90 0.00	30.46 1.94 0.00	32.21 2.16 0.00	33.53 2.11 0.00	40.09 2.42 0.18	46.63 3.05 0.00	44.64 3.08 0.00	40.42 2.96 0.00	37.58 2.96 -0.15	32.66 2.50 0.00	28.58 2.07 0.00	27.83 1.79 -2.84
DANC___LFGE 323619	19.02 0.04 -0.23	14.75 0.04 -0.40	13.80 0.00 -0.37	13.56 0.00 -0.33	13.38 0.00 -0.34	14.01 0.03 -0.39	16.74 0.10 -0.26	16.77 0.08 -0.37	20.71 0.02 -0.15	21.32 0.00 -0.12	23.58 0.05 -0.01	24.94 0.12 0.00	27.66 0.11 0.00	28.63 0.11 0.00	30.14 0.09 0.00	31.70 0.28 0.00	38.22 0.38 0.00	43.97 0.39 0.00	44.17 0.50 -2.10	40.87 0.64 -2.77	35.72 0.72 -0.53	30.55 0.39 0.00	26.86 0.34 0.00	23.52 0.23 -0.09
DANSKAMMER___1 23586	23.71 1.18 -3.78	21.75 0.83 -6.61	20.26 0.75 -6.08	19.47 0.75 -5.49	19.42 0.73 -5.66	20.82 0.77 -6.45	21.69 0.97 -4.34	23.45 1.00 -6.13	24.46 1.38 -2.54	24.75 1.61 -1.93	25.44 1.74 -0.18	26.68 1.86 0.00	29.62 2.07 0.00	30.69 2.17 0.00	32.40 2.35 0.00	33.72 2.29 0.00	40.85 2.91 -0.10	46.89 3.31 0.00	44.43 2.87 0.00	40.09 2.62 0.00	36.67 2.21 0.00	32.21 2.05 0.00	28.21 1.70 0.00	26.20 1.60 -1.40
DANSKAMMER___2 23589	23.71 1.18 -3.78	21.75 0.83 -6.61	20.26 0.75 -6.08	19.47 0.75 -5.49	19.42 0.73 -5.66	20.82 0.77 -6.45	21.69 0.97 -4.34	23.45 1.00 -6.13	24.46 1.38 -2.54	24.75 1.61 -1.93	25.44 1.74 -0.18	26.68 1.86 0.00	29.62 2.07 0.00	30.69 2.17 0.00	32.40 2.35 0.00	33.72 2.29 0.00	40.85 2.91 -0.10	46.89 3.31 0.00	44.43 2.87 0.00	40.09 2.62 0.00	36.67 2.21 0.00	32.21 2.05 0.00	28.21 1.70 0.00	26.20 1.60 -1.40
DANSKAMMER___3 23590	23.71 1.18 -3.78	21.75 0.83 -6.61	20.26 0.75 -6.08	19.47 0.75 -5.49	19.42 0.73 -5.66	20.82 0.77 -6.45	21.69 0.97 -4.34	23.45 1.00 -6.13	24.46 1.38 -2.54	24.75 1.61 -1.93	25.44 1.74 -0.18	26.68 1.86 0.00	29.62 2.07 0.00	30.69 2.17 0.00	32.40 2.35 0.00	33.72 2.29 0.00	40.85 2.91 -0.10	46.89 3.31 0.00	44.43 2.87 0.00	40.09 2.62 0.00	36.67 2.21 0.00	32.21 2.05 0.00	28.21 1.70 0.00	26.20 1.60 -1.40
DANSKAMMER___4 23591	23.71 1.18 -3.78	21.75 0.83 -6.61	20.26 0.75 -6.08	19.47 0.75 -5.49	19.42 0.73 -5.66	20.82 0.77 -6.45	21.69 0.97 -4.34	23.45 1.00 -6.13	24.46 1.38 -2.54	24.75 1.61 -1.93	25.44 1.74 -0.18	26.68 1.86 0.00	29.62 2.07 0.00	30.69 2.17 0.00	32.40 2.35 0.00	33.72 2.29 0.00	40.85 2.91 -0.10	46.89 3.31 0.00	44.43 2.87 0.00	40.09 2.62 0.00	36.67 2.21 0.00	32.21 2.05 0.00	28.21 1.70 0.00	26.20 1.60 -1.40
DANSKAMMER___DIESEL 23592	23.71 1.18 -3.78	21.73 0.82 -6.61	20.22 0.71 -6.08	19.44 0.73 -5.49	19.39 0.70 -5.66	20.79 0.75 -6.45	21.66 0.93 -4.34	23.42 0.96 -6.13	24.46 1.38 -2.54	24.76 1.61 -1.93	25.51 1.81 -0.18	26.68 1.86 0.00	29.73 2.18 0.00	30.66 2.14 0.00	32.42 2.37 0.00	33.72 2.29 0.00	40.85 2.91 -0.10	46.90 3.31 0.00	44.43 2.87 0.00	40.09 2.62 0.00	36.63 2.17 0.00	32.24 2.08 0.00	28.40 1.88 0.00	26.18 1.58 -1.40
DARBY___SOLAR 323810	24.86 1.11 -5.00	23.92 0.87 -8.74	22.28 0.81 -8.04	21.28 0.79 -7.26	21.30 0.78 -7.48	22.97 0.84 -8.53	23.84 1.05 -6.41	25.44 0.98 -8.14	26.46 1.36 -4.56	25.35 1.57 -2.57	25.36 1.60 -0.24	26.48 1.66 0.00	29.40 1.85 0.00	30.40 1.88 0.00	32.15 2.10 0.00	33.46 2.04 0.00	40.00 2.35 0.18	46.55 2.97 0.00	44.47 2.91 0.00	40.24 2.77 0.00	37.39 2.76 -0.17	32.51 2.35 0.00	28.45 1.93 0.00	27.86 1.69 -2.96
DASHVILLE___HYD 23610	23.47 0.81 -3.91	21.67 0.52 -6.84	20.16 0.43 -6.29	19.36 0.45 -5.68	19.32 0.43 -5.86	20.73 0.46 -6.68	21.40 0.61 -4.41	23.27 0.64 -6.31	24.34 1.29 -2.50	24.39 1.19 -1.99	25.31 1.60 -0.18	26.43 1.61 0.00	29.45 1.90 0.00	30.35 1.83 0.00	32.03 1.98 0.00	33.34 1.92 0.00	40.62 2.72 -0.05	46.33 2.75 0.00	43.93 2.37 0.00	39.60 2.14 0.00	36.37 1.93 0.02	31.85 1.69 0.00	28.10 1.59 0.00	25.98 1.48 -1.30

DEERFIELD_69_KV_DEERFIELD LD 355887	24.89 2.36 -3.78	23.21 1.99 -6.91	21.74 1.87 -6.44	20.46 1.75 -5.49	20.38 1.69 -5.66	21.96 1.92 -6.45	22.45 1.72 -4.34	24.40 1.94 -6.13	25.67 2.59 -2.54	26.03 2.88 -1.94	27.07 3.36 -0.18	28.24 3.42 0.00	33.74 4.33 -1.87	35.28 4.48 -2.28	34.86 4.81 0.00	38.52 4.81 -2.29	47.24 6.05 -3.35	51.72 7.23 -0.90	48.01 6.44 -0.01	51.02 5.43 -8.12	39.24 4.72 -0.06	36.27 4.55 -1.56	33.42 4.00 -2.91	32.62 3.41 -6.01
DELAWARE___LFGE 323621	20.76 0.64 -1.37	17.19 0.49 -2.39	16.09 0.46 -2.20	15.66 0.45 -1.98	15.53 0.46 -2.05	16.41 0.49 -2.33	18.60 0.62 -1.59	19.19 0.62 -2.25	22.29 0.82 -0.93	22.91 1.00 -0.71	24.72 1.13 -0.07	26.03 1.22 0.00	28.90 1.35 0.00	29.92 1.40 0.00	31.43 1.38 0.00	32.93 1.51 0.00	39.66 1.82 0.00	45.63 2.05 0.00	43.74 1.83 -0.35	39.58 1.65 -0.46	36.10 1.55 -0.09	31.45 1.30 0.00	27.65 1.14 0.00	24.66 0.95 -0.51
DERFIELD_115KV_TB7 355931	18.77 0.02 0.00	14.32 0.01 0.00	13.45 0.01 0.00	13.24 0.01 0.00	13.06 0.03 0.00	13.62 0.03 0.00	16.42 0.03 0.00	16.36 0.03 0.00	20.58 0.04 0.00	21.27 0.06 0.00	23.62 0.09 0.00	24.94 0.12 0.00	27.66 0.11 0.00	28.63 0.11 0.00	30.14 0.09 0.00	31.52 0.09 0.00	37.99 0.15 0.00	43.76 0.17 0.00	41.73 0.17 0.00	37.61 0.15 0.00	34.60 0.14 0.00	30.25 0.09 0.00	26.59 0.08 0.00	23.27 0.07 0.00
DOGLEVILLE___HYD 23807	18.60 -0.15 0.00	14.18 -0.13 0.00	13.30 -0.13 0.00	13.09 -0.13 0.00	12.91 -0.12 0.00	13.47 -0.12 0.00	16.27 -0.11 0.00	16.23 -0.10 0.00	20.44 -0.10 0.00	21.17 -0.04 0.00	23.62 0.09 0.00	24.94 0.12 0.00	27.66 0.11 0.00	28.63 0.11 0.00	29.87 -0.18 0.00	31.27 -0.16 0.00	37.65 -0.19 0.00	43.32 -0.26 0.00	41.27 -0.29 0.00	37.20 -0.26 0.00	34.25 -0.21 0.00	29.95 -0.21 0.00	26.30 -0.21 0.00	23.04 -0.16 0.00
DUNKIRK___115KV_TB_200 55889	19.34 -0.02 -0.61	15.46 0.09 -1.06	14.61 0.20 -0.98	14.36 0.25 -0.88	14.22 0.27 -0.91	14.91 0.29 -1.04	17.37 0.26 -0.72	17.49 0.15 -1.02	20.76 -0.21 -0.42	21.95 0.42 -0.32	24.09 0.54 -0.03	25.74 0.92 0.00	28.04 0.50 0.00	29.63 1.11 0.00	30.80 0.75 0.00	32.62 1.19 0.00	39.01 1.17 0.00	44.41 0.83 0.00	42.31 0.75 0.00	38.10 0.64 0.00	35.49 1.03 0.00	31.03 0.87 0.00	27.15 0.64 0.00	24.01 0.58 -0.22
DUNKIRK___1 23563	19.34 -0.02 -0.61	15.46 0.09 -1.06	14.61 0.20 -0.98	14.36 0.25 -0.88	14.22 0.27 -0.91	14.91 0.29 -1.04	17.37 0.26 -0.72	17.49 0.15 -1.02	20.76 -0.21 -0.42	21.95 0.42 -0.32	24.09 0.54 -0.03	25.74 0.92 0.00	28.04 0.50 0.00	29.63 1.11 0.00	30.80 0.75 0.00	32.62 1.19 0.00	39.01 1.17 0.00	44.41 0.83 0.00	42.31 0.75 0.00	38.10 0.64 0.00	35.49 1.03 0.00	31.03 0.87 0.00	27.15 0.64 0.00	24.01 0.58 -0.22
DUNKIRK___2 23564	19.34 -0.02 -0.61	15.46 0.09 -1.06	14.61 0.20 -0.98	14.36 0.25 -0.88	14.22 0.27 -0.91	14.91 0.29 -1.04	17.37 0.26 -0.72	17.49 0.15 -1.02	20.76 -0.21 -0.42	21.95 0.42 -0.32	24.09 0.54 -0.03	25.74 0.92 0.00	28.04 0.50 0.00	29.63 1.11 0.00	30.80 0.75 0.00	32.62 1.19 0.00	39.01 1.17 0.00	44.41 0.83 0.00	42.31 0.75 0.00	38.10 0.64 0.00	35.49 1.03 0.00	31.03 0.87 0.00	27.15 0.64 0.00	24.01 0.58 -0.22
DUNKIRK___3 23565	19.23 -0.13 -0.61	15.38 0.01 -1.06	14.56 0.15 -0.98	14.31 0.20 -0.88	14.16 0.22 -0.91	14.84 0.22 -1.04	17.28 0.18 -0.72	17.38 0.05 -1.01	20.61 -0.35 -0.42	21.76 0.23 -0.32	23.88 0.33 -0.03	25.54 0.72 0.00	27.82 0.28 0.00	29.38 0.86 0.00	30.53 0.48 0.00	32.33 0.91 0.00	38.67 0.83 0.00	44.02 0.44 0.00	41.93 0.37 0.00	37.76 0.30 0.00	35.15 0.69 0.00	30.73 0.57 0.00	26.91 0.40 0.00	23.80 0.37 -0.22
DUNKIRK___4 23566	19.23 -0.13 -0.61	15.38 0.01 -1.06	14.56 0.15 -0.98	14.31 0.20 -0.88	14.16 0.22 -0.91	14.84 0.22 -1.04	17.28 0.18 -0.72	17.38 0.05 -1.01	20.61 -0.35 -0.42	21.76 0.23 -0.32	23.88 0.33 -0.03	25.54 0.72 0.00	27.82 0.28 0.00	29.38 0.86 0.00	30.53 0.48 0.00	32.33 0.91 0.00	38.67 0.83 0.00	44.02 0.44 0.00	41.93 0.37 0.00	37.76 0.30 0.00	35.15 0.69 0.00	30.73 0.57 0.00	26.91 0.40 0.00	23.80 0.37 -0.22
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	23.80 1.28 -3.78	21.80 0.89 -6.61	20.27 0.77 -6.07	19.49 0.78 -5.48	19.46 0.77 -5.65	20.84 0.80 -6.45	21.74 1.02 -4.34	23.53 1.08 -6.13	24.62 1.54 -2.54	24.97 1.82 -1.93	25.75 2.05 -0.18	26.88 2.06 0.00	29.97 2.42 0.00	30.83 2.31 0.00	32.57 2.52 0.00	33.87 2.45 0.00	41.11 3.14 -0.13	47.33 3.75 0.00	44.76 3.20 0.00	40.31 2.85 0.00	36.80 2.34 0.00	32.45 2.29 0.00	28.66 2.15 0.00	26.41 1.81 -1.40
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	23.42 1.03 -3.63	21.38 0.72 -6.35	19.91 0.63 -5.84	19.13 0.63 -5.27	19.10 0.63 -5.44	20.44 0.65 -6.20	21.38 0.82 -4.17	23.08 0.87 -5.89	24.21 1.23 -2.44	24.53 1.46 -1.86	25.34 1.65 -0.17	26.48 1.66 0.00	29.50 1.96 0.00	30.43 1.91 0.00	32.15 2.10 0.00	33.47 2.04 0.00	40.55 2.61 -0.10	46.55 2.96 0.00	44.14 2.58 0.00	39.79 2.32 0.00	36.39 1.93 0.00	32.00 1.84 0.00	28.21 1.70 0.00	25.96 1.42 -1.35
E179THST_138_KV_TB4_REV_LBMP_J 345001	23.98 1.44 -3.78	21.92 1.00 -6.61	20.34 0.83 -6.07	19.60 0.89 -5.48	19.53 0.85 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.56 1.11 -6.13	24.66 1.58 -2.54	25.03 1.89 -1.93	25.89 2.19 -0.18	26.98 2.16 0.00	30.20 2.64 -0.01	31.07 2.54 -0.01	32.72 2.67 0.00	34.03 2.61 0.00	41.53 3.56 -0.13	47.78 4.18 -0.01	44.93 3.37 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.57 2.41 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41
E179THST_13_KV_LOAD 356214	24.09 1.56 -3.78	21.99 1.07 -6.61	20.41 0.90 -6.07	19.66 0.95 -5.48	19.60 0.91 -5.65	20.92 0.88 -6.45	21.86 1.13 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.24 2.71 -0.01	32.90 2.85 0.00	34.22 2.80 0.00	41.76 3.78 -0.13	48.08 4.49 -0.01	45.22 3.66 0.00	40.54 3.07 0.00	36.73 2.27 0.00	32.75 2.59 0.00	29.12 2.60 -0.01	26.79 2.18 -1.41
EAST HAMPTON___GT 23717	25.21 2.68 -3.78	23.47 2.25 -6.91	22.01 2.14 -6.44	20.74 2.02 -5.49	20.62 1.93 -5.66	22.21 2.16 -6.46	22.76 2.03 -4.34	24.68 2.22 -6.13	26.04 2.96 -2.54	26.43 3.29 -1.94	27.49 3.79 -0.18	28.74 3.92 0.00	34.27 4.85 -1.87	35.99 5.19 -2.28	35.50 5.44 -0.01	39.25 5.53 -2.29	49.03 6.93 -4.27	52.77 8.28 -0.90	49.02 7.44 -0.02	51.99 6.40 -8.12	40.20 5.68 -0.06	36.90 5.19 -1.56	33.82 4.40 -2.91	33.08 3.87 -6.01
EAST RIVER___6 23660	23.84 1.31 -3.78	21.84 0.93 -6.61	20.37 0.86 -6.07	19.57 0.86 -5.48	19.51 0.82 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.73 2.02 -0.18	26.93 2.11 0.00	29.92 2.37 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.97 2.54 0.00	41.30 3.33 -0.13	47.55 3.97 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.84 2.38 0.00	32.51 2.35 0.00	28.64 2.12 0.00	26.57 1.97 -1.40

EAST_RIVER___7 23524	23.84 1.31 -3.78	21.84 0.93 -6.61	20.37 0.86 -6.07	19.57 0.86 -5.48	19.51 0.82 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.73 2.02 -0.18	26.93 2.11 0.00	29.92 2.37 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.97 2.54 0.00	41.30 3.33 -0.13	47.55 3.97 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.84 2.38 0.00	32.51 2.35 0.00	28.64 2.12 0.00	26.57 1.97 -1.40
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	23.74 1.22 -3.77	21.75 0.86 -6.59	20.23 0.74 -6.06	19.45 0.75 -5.47	19.41 0.74 -5.64	20.80 0.77 -6.43	21.70 0.98 -4.33	23.48 1.04 -6.11	24.55 1.48 -2.53	24.90 1.76 -1.93	25.68 1.98 -0.18	26.80 1.99 0.00	29.89 2.34 0.00	30.74 2.22 0.00	32.48 2.43 0.00	33.78 2.36 0.00	41.00 3.03 -0.13	47.16 3.57 0.00	44.64 3.08 0.00	40.20 2.73 0.00	36.70 2.24 0.00	32.36 2.20 0.00	28.58 2.07 0.00	26.34 1.74 -1.40
EAST_HAMPTON___DIESEL 23722	25.21 2.68 -3.78	23.47 2.25 -6.91	22.01 2.14 -6.44	20.74 2.02 -5.49	20.63 1.94 -5.66	22.21 2.16 -6.46	22.76 2.03 -4.34	24.69 2.24 -6.13	26.04 2.96 -2.54	26.43 3.29 -1.94	27.49 3.79 -0.18	28.74 3.92 0.00	34.27 4.85 -1.87	35.99 5.19 -2.28	35.50 5.44 -0.01	39.25 5.53 -2.29	49.07 6.96 -4.27	52.77 8.28 -0.90	49.02 7.44 -0.02	52.03 6.45 -8.12	40.24 5.72 -0.06	36.90 5.19 -1.56	33.82 4.40 -2.91	33.10 3.90 -6.01
EAST_PULASKI___ESR 323781	18.90 -0.11 -0.26	14.72 -0.04 -0.46	13.82 -0.04 -0.42	13.57 -0.04 -0.38	13.39 -0.04 -0.39	14.03 -0.01 -0.45	16.67 0.00 -0.29	16.73 0.00 -0.41	20.57 -0.14 -0.17	21.19 -0.15 -0.13	23.35 -0.19 -0.01	24.72 -0.10 0.00	27.36 -0.19 0.00	28.43 -0.09 0.00	29.78 -0.27 0.00	31.27 -0.16 0.00	37.61 -0.23 0.00	43.23 -0.35 0.00	44.36 -0.21 -3.00	41.30 -0.11 -3.95	35.25 0.03 -0.76	30.04 -0.12 0.00	26.41 -0.11 0.00	23.23 -0.07 -0.10
EAST_RIVER___1 323558	23.84 1.31 -3.78	21.84 0.93 -6.61	20.35 0.85 -6.07	19.54 0.83 -5.48	19.50 0.81 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.63 1.18 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.80 2.09 -0.18	26.98 2.16 0.00	29.97 2.42 0.00	30.97 2.45 0.00	32.66 2.61 0.00	33.97 2.54 0.00	41.26 3.29 -0.13	47.51 3.92 0.00	44.89 3.33 0.00	40.35 2.89 0.00	36.80 2.34 0.00	32.48 2.32 0.00	28.53 2.01 0.00	26.50 1.90 -1.40
EAST_RIVER___2 323559	23.84 1.31 -3.78	21.84 0.93 -6.61	20.37 0.86 -6.07	19.57 0.86 -5.48	19.51 0.82 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.73 2.02 -0.18	26.93 2.11 0.00	29.92 2.37 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.97 2.54 0.00	41.30 3.33 -0.13	47.55 3.97 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.84 2.38 0.00	32.51 2.35 0.00	28.64 2.12 0.00	26.57 1.97 -1.40
EAST___DELAWARE_HYD 23607	22.89 0.86 -3.28	20.62 0.57 -5.74	19.20 0.50 -5.27	18.49 0.50 -4.76	18.42 0.48 -4.91	19.72 0.53 -5.60	20.82 0.67 -3.76	22.32 0.69 -5.31	23.71 0.97 -2.20	24.05 1.17 -1.68	24.85 1.18 -0.15	26.08 1.26 0.00	28.95 1.40 0.00	30.03 1.51 0.00	31.76 1.71 0.00	33.15 1.73 0.00	40.14 2.23 -0.07	46.07 2.48 0.00	43.76 2.20 0.00	39.45 1.98 0.00	36.11 1.65 0.00	31.69 1.54 0.00	27.76 1.25 0.00	25.57 1.16 -1.21
EIGHT_POINT___WT_PWR 323820	19.66 0.19 -0.72	15.68 0.11 -1.26	14.74 0.15 -1.16	14.46 0.19 -1.05	14.32 0.21 -1.08	15.05 0.23 -1.23	17.52 0.28 -0.85	17.74 0.21 -1.21	21.14 0.10 -0.50	22.12 0.53 -0.38	24.59 1.03 -0.04	25.96 1.14 0.00	28.62 1.07 0.00	29.77 1.25 0.00	31.04 0.99 0.00	32.77 1.35 0.00	39.39 1.55 0.00	44.94 1.35 0.00	43.19 1.25 -0.38	39.09 1.12 -0.50	35.83 1.28 -0.10	31.24 1.08 0.00	27.84 1.33 0.00	24.12 0.65 -0.27
ELBRIDGE_115KV_TB2 80188	19.12 -0.02 -0.38	15.01 0.03 -0.67	14.09 0.04 -0.62	13.82 0.04 -0.56	13.66 0.05 -0.57	14.33 0.08 -0.65	17.35 0.51 -0.46	17.46 0.49 -0.65	21.30 0.49 -0.27	22.03 0.62 -0.20	24.25 0.71 -0.02	25.71 0.89 0.00	28.43 0.88 0.00	29.60 1.08 0.00	31.01 0.96 0.00	32.71 1.29 0.00	39.35 1.51 0.00	45.11 1.53 0.00	43.71 0.12 -2.03	40.24 0.11 -2.67	35.11 0.14 -0.51	30.22 0.06 0.00	26.49 -0.03 0.00	23.32 -0.02 -0.14
ELEC_TRO_TEK 24086	24.07 1.54 -3.78	22.26 1.14 -6.80	20.75 1.02 -6.29	19.69 0.98 -5.49	19.61 0.93 -5.66	21.09 1.05 -6.45	21.87 1.15 -4.34	23.75 1.29 -6.13	24.83 1.75 -2.54	25.14 1.99 -1.94	26.06 2.35 -0.18	27.17 2.36 0.00	32.17 2.75 -1.87	33.45 2.65 -2.28	32.99 2.94 0.00	36.48 2.83 -2.23	43.70 3.59 -2.27	48.70 4.23 -0.89	45.30 3.74 0.00	40.65 3.18 0.00	37.15 2.69 0.00	34.37 2.65 -1.56	31.99 2.57 -2.91	31.36 2.16 -6.01
ELLENBURG_WT_PWR 323604	18.47 -0.28 0.00	13.96 -0.34 0.00	13.03 -0.40 0.00	12.74 -0.49 0.00	12.47 -0.56 0.00	12.93 -0.67 0.00	15.56 -0.82 0.00	15.52 -0.80 0.00	19.68 -0.86 0.00	20.32 -0.89 0.00	22.58 -0.94 0.00	23.78 -1.04 0.00	26.42 -1.13 0.00	27.44 -1.08 0.00	29.24 -0.81 0.00	30.51 -0.91 0.00	36.89 -0.94 0.00	42.58 -1.00 0.00	40.85 -0.71 0.00	36.57 -0.90 0.00	33.53 -0.93 0.00	29.46 -0.69 0.00	25.80 -0.71 0.00	22.44 -0.77 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	19.07 -0.26 -0.58	15.25 -0.07 -1.01	14.47 0.11 -0.93	14.22 0.16 -0.84	14.08 0.18 -0.86	14.74 0.16 -0.98	17.16 0.10 -0.68	17.19 -0.10 -0.96	20.37 -0.58 -0.40	21.49 -0.02 -0.30	23.51 -0.05 -0.03	25.14 0.32 0.00	27.33 -0.22 0.00	28.86 0.34 0.00	29.96 -0.09 0.00	31.71 0.28 0.00	37.92 0.08 0.00	43.15 -0.44 0.00	41.14 -0.42 0.00	37.02 -0.45 0.00	34.49 0.03 0.00	30.19 0.03 0.00	26.43 -0.08 0.00	23.53 0.12 -0.21
EMPIRE_CC_1 323656	23.97 0.58 -4.64	22.91 0.49 -8.12	21.35 0.46 -7.46	20.42 0.46 -6.73	20.43 0.46 -6.95	21.96 0.45 -7.92	21.45 0.52 -4.54	24.31 0.46 -7.53	22.85 0.64 -1.67	24.37 0.79 -2.38	24.57 0.82 -0.22	25.66 0.84 0.00	28.49 0.94 0.00	29.46 0.94 0.00	31.10 1.05 0.00	32.36 0.94 0.00	38.63 1.06 0.27	45.02 1.44 0.00	42.77 1.21 0.00	38.59 1.12 0.00	35.39 1.14 0.21	31.12 0.96 0.00	27.28 0.77 0.00	24.43 0.83 -0.39
EMPIRE_CC_2 323658	23.97 0.58 -4.64	22.91 0.49 -8.12	21.35 0.46 -7.46	20.42 0.46 -6.73	20.43 0.46 -6.95	21.96 0.45 -7.92	21.45 0.52 -4.54	24.31 0.46 -7.53	22.85 0.64 -1.67	24.37 0.79 -2.38	24.57 0.82 -0.22	25.66 0.84 0.00	28.49 0.94 0.00	29.46 0.94 0.00	31.10 1.05 0.00	32.36 0.94 0.00	38.63 1.06 0.27	45.02 1.44 0.00	42.77 1.21 0.00	38.59 1.12 0.00	35.39 1.14 0.21	31.12 0.96 0.00	27.28 0.77 0.00	24.43 0.83 -0.39
ENORWICH_115KV_TB1 80156	20.86 1.07 -1.03	16.96 0.84 -1.81	15.82 0.73 -1.66	15.43 0.70 -1.50	15.27 0.69 -1.55	16.12 0.76 -1.77	18.72 1.11 -1.22	19.14 1.09 -1.73	22.53 1.27 -0.71	23.17 1.42 -0.54	25.27 1.69 -0.05	26.85 2.04 0.00	29.70 2.15 0.00	30.92 2.40 0.00	32.18 2.13 0.00	34.19 2.77 0.00	41.24 3.41 0.00	47.55 3.97 0.00	46.07 3.74 -0.77	41.96 3.48 -1.01	38.10 3.45 -0.19	32.63 2.47 0.00	28.40 1.88 0.00	25.14 1.55 -0.38

ERIE_ST__34_KV_TB1-2 80199	19.01 -0.34 -0.60	15.20 -0.16 -1.05	14.40 0.00 -0.96	14.15 0.05 -0.87	14.01 0.08 -0.90	14.68 0.07 -1.02	17.09 0.00 -0.71	17.17 -0.15 -1.00	20.36 -0.60 -0.41	21.50 -0.02 -0.32	23.86 0.31 -0.03	25.54 0.72 0.00	27.82 0.28 0.00	29.40 0.88 0.00	30.56 0.51 0.00	32.37 0.94 0.00	38.71 0.87 0.00	44.06 0.48 0.00	41.98 0.42 0.00	37.73 0.26 0.00	35.08 0.62 0.00	30.67 0.51 0.00	26.81 0.29 0.00	23.47 0.05 -0.22
ERIE_WT_PWR 323693	19.12 -0.22 -0.59	15.17 -0.17 -1.03	14.33 -0.05 -0.95	14.11 0.03 -0.86	13.96 0.04 -0.88	14.61 0.01 -1.01	17.00 -0.08 -0.70	17.06 -0.24 -0.99	20.44 -0.51 -0.41	21.56 0.04 -0.31	24.07 0.52 -0.03	25.34 0.52 0.00	27.96 0.41 0.00	29.12 0.60 0.00	30.29 0.24 0.00	31.99 0.57 0.00	38.26 0.42 0.00	43.58 0.00 0.00	41.48 -0.08 0.00	37.35 -0.11 0.00	34.73 0.27 0.00	30.46 0.30 0.00	27.42 0.90 0.00	23.63 0.21 -0.22
ESPRGFLD_115KV_TB1 80157	18.85 1.16 1.07	13.34 0.90 1.87	12.55 0.83 1.72	12.50 0.82 1.55	12.26 0.82 1.60	12.67 0.90 1.82	16.32 1.15 1.21	15.74 1.13 1.71	21.32 1.48 0.70	22.35 1.68 0.54	25.36 1.88 0.05	26.88 2.06 0.00	29.81 2.26 0.00	30.89 2.37 0.00	32.42 2.37 0.00	34.06 2.64 0.00	40.87 3.10 0.07	47.20 3.62 0.00	45.01 3.45 0.00	40.69 3.22 0.00	37.46 3.00 0.00	32.66 2.50 0.00	28.58 2.07 0.00	24.52 1.72 0.39
ETNA_115_KV_TB1_REV_LBMP_C 345029	19.88 0.36 -0.77	15.97 0.31 -1.35	14.97 0.30 -1.24	14.64 0.29 -1.12	14.49 0.30 -1.16	15.25 0.34 -1.32	17.85 0.54 -0.93	18.15 0.52 -1.31	21.62 0.53 -0.54	22.28 0.66 -0.41	24.32 0.75 -0.04	25.74 0.92 0.00	28.49 0.94 0.00	29.63 1.11 0.00	31.07 1.02 0.00	32.71 1.29 0.00	39.47 1.63 0.00	45.37 1.79 0.00	44.04 1.41 -1.07	40.18 1.31 -1.41	36.00 1.28 -0.27	31.12 0.96 0.00	27.23 0.72 0.00	24.09 0.60 -0.29
ETNA____115KV_TB2 80207	19.88 0.36 -0.77	15.97 0.31 -1.35	14.97 0.30 -1.24	14.64 0.29 -1.12	14.49 0.30 -1.16	15.25 0.34 -1.32	17.85 0.54 -0.93	18.15 0.52 -1.31	21.62 0.53 -0.54	22.28 0.66 -0.41	24.32 0.75 -0.04	25.74 0.92 0.00	28.49 0.94 0.00	29.63 1.11 0.00	31.07 1.02 0.00	32.71 1.29 0.00	39.47 1.63 0.00	45.37 1.79 0.00	44.04 1.41 -1.07	40.18 1.31 -1.41	36.00 1.28 -0.27	31.12 0.96 0.00	27.23 0.72 0.00	24.09 0.60 -0.29
EUCLID____115KV_TB2 356179	18.89 -0.17 -0.31	14.77 -0.07 -0.53	13.87 -0.05 -0.49	13.62 -0.05 -0.44	13.45 -0.04 -0.46	14.09 -0.03 -0.52	16.78 0.03 -0.37	16.85 0.02 -0.52	20.67 -0.08 -0.21	21.31 -0.06 -0.16	23.47 -0.07 -0.02	24.82 0.00 0.00	27.44 -0.11 0.00	28.52 0.00 0.00	29.96 -0.09 0.00	31.45 0.03 0.00	37.84 0.00 0.00	43.41 -0.17 0.00	42.10 -0.33 -0.88	38.32 -0.30 -1.15	34.44 -0.24 -0.22	29.88 -0.27 0.00	26.22 -0.29 0.00	23.10 -0.21 -0.11
E_CANADA_CAP_HY 24051	26.32 1.44 -6.12	26.17 1.15 -10.72	24.35 1.06 -9.85	23.17 1.04 -8.89	23.25 1.04 -9.17	25.18 1.13 -10.46	24.86 1.42 -7.05	27.63 1.35 -9.95	26.49 1.83 -4.12	26.37 2.02 -3.14	26.05 2.24 -0.29	27.15 2.33 0.00	30.17 2.62 0.00	31.23 2.71 0.00	32.81 2.76 0.00	34.41 2.99 0.00	41.22 3.48 0.10	47.81 4.23 0.00	45.64 4.08 0.00	41.36 3.90 0.00	38.08 3.62 0.00	33.32 3.17 0.00	29.14 2.63 0.00	27.65 2.18 -2.27
E_CANADA_MHWK_HY 24050	18.60 -0.15 0.00	14.18 -0.13 0.00	13.30 -0.13 0.00	13.09 -0.13 0.00	12.91 -0.12 0.00	13.47 -0.12 0.00	16.27 -0.11 0.00	16.23 -0.10 0.00	20.44 -0.10 0.00	21.17 -0.04 0.00	23.62 0.09 0.00	24.94 0.12 0.00	27.66 0.11 0.00	28.63 0.11 0.00	29.87 -0.18 0.00	31.27 -0.16 0.00	37.65 -0.19 0.00	43.32 -0.26 0.00	41.27 -0.29 0.00	37.20 -0.26 0.00	34.25 -0.21 0.00	29.95 -0.21 0.00	26.30 -0.21 0.00	23.04 -0.16 0.00
E_FISHKILL____LBMP 23776	23.70 1.07 -3.88	21.85 0.76 -6.79	20.35 0.67 -6.24	19.53 0.67 -5.63	19.51 0.66 -5.81	20.91 0.69 -6.62	21.71 0.87 -4.46	23.52 0.90 -6.30	24.44 1.29 -2.61	24.72 1.53 -1.99	25.40 1.69 -0.18	26.53 1.71 0.00	29.56 2.01 0.00	30.43 1.91 0.00	32.15 2.10 0.00	33.43 2.01 0.00	40.51 2.54 -0.14	46.63 3.05 0.00	44.18 2.62 0.00	39.79 2.32 0.00	36.42 1.96 0.00	32.03 1.87 0.00	28.29 1.78 0.00	26.15 1.51 -1.44
FALCON____SEABRD_CC1 323796	18.64 -0.11 0.00	14.09 -0.21 0.00	13.15 -0.28 0.00	12.84 -0.38 0.00	12.59 -0.44 0.00	13.03 -0.56 0.00	15.70 -0.69 0.00	15.67 -0.65 0.00	19.86 -0.68 0.00	20.53 -0.68 0.00	22.79 -0.73 0.00	24.00 -0.82 0.00	26.69 -0.85 0.00	27.72 -0.80 0.00	29.57 -0.48 0.00	30.82 -0.60 0.00	37.31 -0.53 0.00	43.10 -0.48 0.00	41.35 -0.21 0.00	36.98 -0.49 0.00	33.91 -0.55 0.00	29.83 -0.33 0.00	26.09 -0.43 0.00	22.67 -0.53 0.00
FALCON____SEABRD_CC2 323797	18.64 -0.11 0.00	14.09 -0.21 0.00	13.15 -0.28 0.00	12.84 -0.38 0.00	12.59 -0.44 0.00	13.03 -0.56 0.00	15.70 -0.69 0.00	15.67 -0.65 0.00	19.86 -0.68 0.00	20.53 -0.68 0.00	22.79 -0.73 0.00	24.00 -0.82 0.00	26.69 -0.85 0.00	27.72 -0.80 0.00	29.57 -0.48 0.00	30.82 -0.60 0.00	37.31 -0.53 0.00	43.10 -0.48 0.00	41.35 -0.21 0.00	36.98 -0.49 0.00	33.91 -0.55 0.00	29.83 -0.33 0.00	26.09 -0.43 0.00	22.67 -0.53 0.00
FAR ROCKAWAY____4 23548	24.39 1.86 -3.78	22.53 1.36 -6.87	21.02 1.22 -6.36	19.88 1.16 -5.49	19.80 1.11 -5.66	21.28 1.24 -6.45	22.10 1.38 -4.34	23.97 1.52 -6.13	25.12 2.03 -2.54	25.46 2.31 -1.94	26.46 2.75 -0.18	27.60 2.78 0.00	32.56 3.14 -1.87	33.94 3.14 -2.28	33.42 3.37 0.00	37.02 3.36 -2.23	44.35 4.24 -2.27	49.49 5.01 -0.89	46.09 4.53 0.00	41.32 3.86 0.00	37.73 3.27 0.00	34.88 3.17 -1.56	32.42 3.00 -2.91	31.69 2.48 -6.01
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	23.86 1.33 -3.78	21.83 0.92 -6.61	20.30 0.79 -6.07	19.53 0.82 -5.48	19.48 0.79 -5.65	20.87 0.83 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.74 1.66 -2.54	25.09 1.95 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.17 2.62 0.00	30.97 2.45 0.00	32.72 2.67 0.00	34.00 2.58 0.00	41.34 3.37 -0.13	47.55 3.97 0.00	44.97 3.41 0.00	40.39 2.92 0.00	36.80 2.34 0.00	32.51 2.35 0.00	28.79 2.28 0.00	26.50 1.90 -1.40
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	23.86 1.33 -3.78	21.83 0.92 -6.61	20.30 0.79 -6.07	19.53 0.82 -5.48	19.48 0.79 -5.65	20.87 0.83 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.74 1.66 -2.54	25.09 1.95 -1.93	25.89 2.19 -0.18	27.03 2.21 0.00	30.17 2.62 0.00	30.97 2.45 0.00	32.72 2.67 0.00	34.00 2.58 0.00	41.34 3.37 -0.13	47.55 3.97 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.80 2.34 0.00	32.54 2.38 0.00	28.79 2.28 0.00	26.50 1.90 -1.40
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	23.84 1.31 -3.78	21.83 0.92 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.14 2.59 0.00	30.94 2.42 0.00	32.69 2.64 0.00	33.97 2.55 0.00	41.30 3.33 -0.13	47.51 3.92 0.00	44.93 3.37 0.00	40.39 2.92 0.00	36.77 2.31 0.00	32.51 2.35 0.00	28.77 2.25 0.00	26.48 1.88 -1.40

FARRAGUT___LBMP 323566	23.84 1.31 -3.78	21.82 0.90 -6.61	20.27 0.77 -6.07	19.50 0.79 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.87 2.16 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.73 2.27 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
FENNER___WINDPWR 24204	19.48 0.30 -0.42	15.28 0.23 -0.74	14.30 0.19 -0.68	14.03 0.19 -0.62	13.86 0.20 -0.64	14.55 0.23 -0.72	17.27 0.38 -0.51	17.42 0.38 -0.72	21.29 0.45 -0.30	21.95 0.51 -0.23	24.25 0.71 -0.02	25.59 0.77 0.00	28.40 0.85 0.00	29.43 0.91 0.00	30.89 0.84 0.00	32.46 1.04 0.00	39.16 1.32 0.00	45.02 1.44 0.00	43.59 1.21 -0.82	39.70 1.16 -1.08	35.77 1.10 -0.21	30.94 0.78 0.00	27.18 0.66 0.00	23.85 0.49 -0.16
FIBERTEK___ENERGY 23856	19.13 0.02 -0.36	15.00 0.06 -0.63	14.08 0.07 -0.58	13.82 0.07 -0.53	13.64 0.07 -0.54	14.31 0.10 -0.62	17.21 0.39 -0.43	17.33 0.39 -0.61	21.16 0.37 -0.25	21.87 0.47 -0.19	24.08 0.54 -0.02	25.51 0.69 0.00	28.24 0.69 0.00	29.38 0.86 0.00	30.80 0.75 0.00	32.43 1.01 0.00	39.01 1.17 0.00	44.72 1.13 0.00	43.67 0.21 -1.90	40.19 0.22 -2.50	35.15 0.21 -0.48	30.28 0.12 0.00	26.54 0.03 0.00	23.36 0.02 -0.13
FITZPATRICK____ 23598	18.54 -0.43 -0.22	14.39 -0.30 -0.38	13.52 -0.27 -0.35	13.28 -0.26 -0.32	13.10 -0.26 -0.33	13.71 -0.26 -0.37	16.29 -0.33 -0.23	16.30 -0.34 -0.33	20.16 -0.51 -0.13	20.74 -0.57 -0.10	22.92 -0.61 -0.01	24.17 -0.65 0.00	26.83 -0.72 0.00	27.78 -0.74 0.00	29.21 -0.84 0.00	30.61 -0.82 0.00	36.86 -0.98 0.00	42.36 -1.22 0.00	30.05 -1.08 10.42	22.79 -0.97 13.70	30.97 -0.86 2.63	29.37 -0.78 0.00	25.88 -0.64 0.00	22.68 -0.60 -0.08
FLOWRFLD_69_KV_BK1 356044	24.54 2.01 -3.78	22.82 1.60 -6.91	21.35 1.48 -6.44	20.09 1.38 -5.49	20.01 1.32 -5.66	21.55 1.51 -6.45	22.19 1.46 -4.34	24.10 1.65 -6.13	25.22 2.14 -2.54	25.50 2.35 -1.94	26.41 2.71 -0.18	27.52 2.71 0.00	32.89 3.47 -1.87	34.28 3.48 -2.28	33.90 3.85 0.00	37.54 3.80 -2.31	46.34 4.62 -3.88	50.03 5.54 -0.91	46.40 4.82 -0.02	51.26 4.27 -9.53	38.23 3.69 -0.08	35.39 3.68 -1.56	32.76 3.34 -2.91	32.06 2.85 -6.01
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	23.77 1.22 -3.79	21.79 0.84 -6.64	20.28 0.74 -6.10	19.48 0.74 -5.51	19.43 0.72 -5.68	20.83 0.76 -6.48	21.70 0.95 -4.36	23.48 1.00 -6.16	24.51 1.42 -2.55	24.81 1.65 -1.94	25.56 1.86 -0.18	26.73 1.91 0.00	29.78 2.23 0.00	30.72 2.20 0.00	32.48 2.43 0.00	33.78 2.36 0.00	40.93 2.99 -0.10	46.98 3.40 0.00	44.51 2.95 0.00	40.16 2.70 0.00	36.70 2.24 0.00	32.30 2.14 0.00	28.45 1.94 0.00	26.23 1.62 -1.41
FORT ORANGE____ 23900	24.09 0.52 -4.81	23.14 0.42 -8.42	21.56 0.39 -7.74	20.60 0.38 -6.99	20.63 0.39 -7.21	22.20 0.39 -8.22	22.35 1.02 -4.95	24.67 0.98 -7.37	24.66 1.56 -2.56	24.98 1.44 -2.32	25.50 1.77 -0.21	26.68 1.86 0.00	29.67 2.12 0.00	30.75 2.23 0.00	32.48 2.43 0.00	33.88 2.45 0.00	40.92 3.14 0.06	46.99 3.40 0.00	42.93 1.37 0.00	38.81 1.35 0.00	35.59 1.28 0.15	31.24 1.08 0.00	27.36 0.85 0.00	24.85 0.83 -0.82
FORT_DRUM_COGEN 23780	19.14 0.21 -0.18	14.80 0.17 -0.32	13.82 0.09 -0.30	13.57 0.08 -0.27	13.39 0.08 -0.27	14.00 0.10 -0.31	16.82 0.23 -0.21	16.85 0.23 -0.30	20.85 0.18 -0.12	21.49 0.19 -0.09	23.74 0.21 -0.01	25.19 0.37 0.00	27.91 0.36 0.00	29.00 0.48 0.00	30.47 0.42 0.00	32.18 0.75 0.00	38.90 1.06 0.00	44.80 1.22 0.00	44.44 1.37 -1.51	40.95 1.50 -1.99	36.50 1.65 -0.38	31.12 0.96 0.00	27.20 0.69 0.00	23.87 0.60 -0.07
FPL_FAR_ROCK_GT1 24212	24.39 1.86 -3.78	22.55 1.37 -6.87	21.06 1.26 -6.36	19.92 1.20 -5.49	19.82 1.13 -5.66	21.33 1.28 -6.46	22.14 1.41 -4.34	23.99 1.53 -6.14	25.12 2.03 -2.54	25.46 2.31 -1.94	26.36 2.66 -0.18	27.57 2.75 0.00	32.45 3.03 -1.87	33.96 3.17 -2.28	33.42 3.36 -0.01	37.02 3.36 -2.23	44.35 4.24 -2.27	49.49 5.01 -0.89	46.10 4.53 -0.01	41.36 3.90 0.00	37.91 3.45 0.00	34.88 3.17 -1.56	32.23 2.81 -2.91	31.72 2.51 -6.01
FPL_FAR_ROCK_GT2 23815	24.39 1.86 -3.78	22.55 1.37 -6.87	21.06 1.26 -6.36	19.92 1.20 -5.49	19.82 1.13 -5.66	21.33 1.28 -6.46	22.14 1.41 -4.34	23.99 1.53 -6.14	25.12 2.03 -2.54	25.46 2.31 -1.94	26.36 2.66 -0.18	27.57 2.75 0.00	32.45 3.03 -1.87	33.96 3.17 -2.28	33.42 3.36 -0.01	37.02 3.36 -2.23	44.35 4.24 -2.27	49.49 5.01 -0.89	46.10 4.53 -0.01	41.36 3.90 0.00	37.91 3.45 0.00	34.88 3.17 -1.56	32.23 2.81 -2.91	31.72 2.51 -6.01
FRANKLIN_FALL_HYD 24054	18.42 -0.34 0.00	13.94 -0.37 0.00	13.00 -0.43 0.00	12.72 -0.50 0.00	12.47 -0.56 0.00	12.91 -0.68 0.00	15.56 -0.82 0.00	15.52 -0.80 0.00	19.66 -0.88 0.00	20.25 -0.95 0.00	22.56 -0.96 0.00	23.70 -1.12 0.00	26.39 -1.16 0.00	27.38 -1.14 0.00	29.15 -0.90 0.00	30.39 -1.04 0.00	36.78 -1.06 0.00	42.54 -1.05 0.00	40.77 -0.79 0.00	36.57 -0.90 0.00	33.56 -0.90 0.00	29.49 -0.66 0.00	25.88 -0.64 0.00	22.55 -0.65 0.00
FREEPORT_EQUS_GT1 23764	24.33 1.80 -3.78	22.52 1.34 -6.86	21.03 1.24 -6.36	19.89 1.18 -5.49	19.80 1.11 -5.66	21.30 1.25 -6.46	22.10 1.38 -4.34	23.96 1.50 -6.14	25.07 1.99 -2.54	25.41 2.27 -1.94	26.27 2.56 -0.18	27.47 2.66 0.00	32.45 3.03 -1.87	33.91 3.11 -2.28	33.42 3.36 -0.01	36.98 3.33 -2.23	44.41 4.20 -2.37	49.40 4.92 -0.89	45.97 4.40 -0.01	41.66 3.78 -0.41	37.84 3.38 0.00	34.82 3.11 -1.56	32.20 2.78 -2.91	31.69 2.48 -6.01
FREEPORT___CT2 23818	24.33 1.80 -3.78	22.52 1.34 -6.86	21.03 1.24 -6.36	19.89 1.18 -5.49	19.80 1.11 -5.66	21.30 1.25 -6.46	22.10 1.38 -4.34	23.96 1.50 -6.14	25.07 1.99 -2.54	25.41 2.27 -1.94	26.27 2.56 -0.18	27.47 2.66 0.00	32.45 3.03 -1.87	33.91 3.11 -2.28	33.42 3.36 -0.01	36.98 3.33 -2.23	44.41 4.20 -2.37	49.40 4.92 -0.89	45.97 4.40 -0.01	41.66 3.78 -0.41	37.84 3.38 0.00	34.82 3.11 -1.56	32.20 2.78 -2.91	31.69 2.48 -6.01
FRESHKLS_33_KV_LOAD 356253	24.06 1.52 -3.78	21.93 1.02 -6.61	20.35 0.85 -6.07	19.61 0.90 -5.48	19.55 0.86 -5.65	20.83 0.79 -6.45	21.71 0.98 -4.34	23.51 1.06 -6.12	24.63 1.56 -2.53	25.04 1.91 -1.93	25.86 2.16 -0.17	26.94 2.13 0.01	30.19 2.64 0.01	31.02 2.51 0.01	32.81 2.76 0.01	34.02 2.61 0.01	41.37 3.41 -0.13	47.63 4.05 0.01	44.96 3.41 0.01	40.34 2.88 0.01	36.62 2.17 0.01	32.56 2.41 0.01	28.93 2.41 -0.01	26.70 2.09 -1.41
FULTON COGEN____ 23766	18.85 -0.19 -0.29	14.72 -0.09 -0.50	13.83 -0.07 -0.46	13.58 -0.07 -0.42	13.40 -0.07 -0.43	14.04 -0.04 -0.49	16.64 -0.07 -0.32	16.70 -0.07 -0.45	20.50 -0.23 -0.19	21.10 -0.25 -0.14	23.25 -0.28 -0.01	24.59 -0.22 0.00	27.25 -0.30 0.00	28.32 -0.20 0.00	29.69 -0.36 0.00	31.17 -0.25 0.00	37.50 -0.34 0.00	43.06 -0.52 0.00	44.56 -0.42 -3.41	41.61 -0.34 -4.49	35.05 -0.28 -0.86	29.85 -0.30 0.00	26.22 -0.29 0.00	23.07 -0.23 -0.11



FULTON___LFGE 323630	26.15 1.65 -5.75	25.68 1.32 -10.05	23.89 1.21 -9.24	22.76 1.19 -8.34	22.82 1.19 -8.60	24.71 1.30 -9.81	24.67 1.67 -6.61	27.24 1.58 -9.33	26.57 2.16 -3.87	26.51 2.35 -2.95	26.81 3.01 -0.27	27.94 3.13 0.00	31.08 3.53 0.00	32.14 3.62 0.00	33.44 3.39 0.00	35.07 3.64 0.00	41.93 4.20 0.11	48.72 5.14 0.00	46.55 4.99 0.00	42.22 4.76 0.00	38.94 4.48 0.00	33.89 3.74 0.00	29.56 3.05 0.00	27.93 2.60 -2.13
G.F.CEMENT___DRP 24184	25.12 1.33 -5.03	24.11 1.00 -8.80	22.45 0.93 -8.09	21.43 0.90 -7.31	21.47 0.90 -7.53	23.15 0.96 -8.59	23.86 1.23 -6.25	25.67 1.16 -8.19	26.43 1.66 -4.23	25.70 1.91 -2.59	25.69 1.93 -0.24	26.78 1.96 0.00	29.78 2.23 0.00	30.74 2.22 0.00	32.57 2.52 0.00	33.87 2.45 0.00	40.47 2.80 0.17	47.03 3.44 0.00	45.09 3.53 0.00	40.91 3.45 0.00	38.06 3.48 -0.12	33.11 2.96 0.00	29.01 2.49 0.00	27.89 2.04 -2.65
GARDENVILLE___LBMP 24039	19.08 -0.26 -0.59	15.26 -0.07 -1.03	14.47 0.09 -0.95	14.23 0.15 -0.85	14.08 0.17 -0.88	14.74 0.15 -1.00	17.18 0.10 -0.70	17.21 -0.10 -0.98	20.39 -0.55 -0.41	21.52 0.00 -0.31	23.60 0.05 -0.03	25.24 0.42 0.00	27.47 -0.08 0.00	28.98 0.46 0.00	30.08 0.03 0.00	31.86 0.44 0.00	38.10 0.26 0.00	43.37 -0.22 0.00	41.35 -0.21 0.00	37.20 -0.26 0.00	34.67 0.21 0.00	30.31 0.15 0.00	26.54 0.03 0.00	23.56 0.14 -0.22
GARDNVLA_35_KV_LD 355827	19.16 -0.19 -0.59	15.31 -0.03 -1.03	14.53 0.15 -0.95	14.28 0.20 -0.86	14.13 0.21 -0.89	14.80 0.20 -1.01	17.23 0.15 -0.70	17.28 -0.03 -0.99	20.48 -0.47 -0.41	21.61 0.08 -0.31	23.72 0.16 -0.03	25.39 0.57 0.00	27.63 0.08 0.00	29.18 0.66 0.00	30.29 0.24 0.00	32.05 0.63 0.00	38.33 0.49 0.00	43.67 0.09 0.00	41.60 0.04 0.00	37.43 -0.04 0.00	34.87 0.41 0.00	30.49 0.33 0.00	26.67 0.16 0.00	23.65 0.23 -0.22
GELCKHM___115KV_LOAD 80723	18.99 -0.09 -0.33	14.85 -0.03 -0.57	13.95 -0.01 -0.53	13.69 -0.01 -0.47	13.52 0.00 -0.49	14.16 0.01 -0.56	16.94 0.16 -0.39	17.04 0.16 -0.55	20.85 0.08 -0.23	21.51 0.13 -0.17	23.68 0.14 -0.02	25.07 0.25 0.00	27.74 0.19 0.00	28.83 0.31 0.00	30.26 0.21 0.00	31.83 0.41 0.00	38.29 0.45 0.00	43.93 0.35 0.00	42.69 -0.12 -1.25	39.00 -0.11 -1.64	34.71 -0.07 -0.32	30.04 -0.12 0.00	26.33 -0.19 0.00	23.21 -0.12 0.00
GENERAL___MILLS 23808	19.12 -0.23 -0.59	15.28 -0.06 -1.03	14.49 0.11 -0.95	14.24 0.16 -0.86	14.10 0.18 -0.88	14.78 0.18 -1.01	17.20 0.11 -0.70	17.24 -0.07 -0.99	20.42 -0.53 -0.41	21.56 0.04 -0.31	23.65 0.09 -0.03	25.31 0.50 0.00	27.55 0.00 0.00	29.09 0.57 0.00	30.17 0.12 0.00	31.96 0.53 0.00	38.22 0.38 0.00	43.50 -0.09 0.00	41.48 -0.08 0.00	37.31 -0.15 0.00	34.77 0.31 0.00	30.40 0.24 0.00	26.62 0.11 0.00	23.60 0.19 -0.22
GE_PLASTICS___DRP 24183	24.11 0.54 -4.82	23.12 0.39 -8.43	21.56 0.38 -7.75	20.58 0.36 -6.99	20.61 0.36 -7.21	22.20 0.38 -8.22	21.98 0.46 -5.13	23.74 0.47 -7.80	24.48 0.81 -2.50	24.69 0.94 -2.46	25.74 0.92 -0.23	28.65 1.10 0.00	29.55 1.03 0.00	31.19 1.14 0.00	32.49 1.07 0.00	38.98 1.25 0.11	45.15 1.57 0.00	42.89 1.33 0.00	38.70 1.24 0.00	35.53 1.17 0.11	31.18 1.03 0.00	27.47 0.95 0.00	25.14 0.84 -1.11	
GILBOA___1 23756	23.09 0.64 -3.70	21.26 0.47 -6.48	19.89 0.50 -5.96	19.09 0.49 -5.38	19.06 0.48 -5.54	20.42 0.50 -6.32	21.22 0.57 -4.26	22.91 0.57 -6.01	23.79 0.76 -2.49	24.04 0.93 -1.90	24.71 1.01 -0.18	25.88 1.07 0.00	28.73 1.18 0.00	29.69 1.17 0.00	31.28 1.23 0.00	32.65 1.22 0.00	39.24 1.40 0.00	45.28 1.70 0.00	43.01 1.45 0.00	38.81 1.35 0.00	35.70 1.24 0.00	31.30 1.15 0.00	27.52 1.01 0.00	25.50 0.93 -1.37
GILBOA___2 23757	23.09 0.64 -3.70	21.26 0.47 -6.48	19.89 0.50 -5.96	19.09 0.49 -5.38	19.06 0.48 -5.54	20.42 0.50 -6.32	21.22 0.57 -4.26	22.91 0.57 -6.01	23.79 0.76 -2.49	24.04 0.93 -1.90	24.71 1.01 -0.18	25.88 1.07 0.00	28.73 1.18 0.00	29.69 1.17 0.00	31.28 1.23 0.00	32.65 1.22 0.00	39.24 1.40 0.00	45.28 1.70 0.00	43.01 1.45 0.00	38.81 1.35 0.00	35.70 1.24 0.00	31.30 1.15 0.00	27.52 1.01 0.00	25.50 0.93 -1.37
GILBOA___3 23758	23.09 0.64 -3.70	21.26 0.47 -6.48	19.89 0.50 -5.96	19.09 0.49 -5.38	19.06 0.48 -5.54	20.42 0.50 -6.32	21.22 0.57 -4.26	22.91 0.57 -6.01	23.79 0.76 -2.49	24.04 0.93 -1.90	24.71 1.01 -0.18	25.88 1.07 0.00	28.73 1.18 0.00	29.69 1.17 0.00	31.28 1.23 0.00	32.65 1.22 0.00	39.24 1.40 0.00	45.28 1.70 0.00	43.01 1.45 0.00	38.81 1.35 0.00	35.70 1.24 0.00	31.30 1.15 0.00	27.52 1.01 0.00	25.50 0.93 -1.37
GILBOA___4 23759	23.09 0.64 -3.70	21.26 0.47 -6.48	19.89 0.50 -5.96	19.09 0.49 -5.38	19.06 0.48 -5.54	20.42 0.50 -6.32	21.22 0.57 -4.26	22.91 0.57 -6.01	23.79 0.76 -2.49	24.04 0.93 -1.90	24.71 1.01 -0.18	25.88 1.07 0.00	28.73 1.18 0.00	29.69 1.17 0.00	31.28 1.23 0.00	32.65 1.22 0.00	39.24 1.40 0.00	45.28 1.70 0.00	43.01 1.45 0.00	38.81 1.35 0.00	35.70 1.24 0.00	31.30 1.15 0.00	27.52 1.01 0.00	25.50 0.93 -1.37
GILBOA___ 23599	23.09 0.64 -3.70	21.24 0.46 -6.48	19.86 0.47 -5.96	19.08 0.48 -5.38	19.05 0.47 -5.54	20.40 0.49 -6.32	21.18 0.54 -4.26	22.88 0.54 -6.01	23.79 0.76 -2.49	24.04 0.93 -1.90	24.73 1.04 -0.18	25.88 1.07 0.00	28.76 1.21 0.00	29.69 1.17 0.00	31.31 1.26 0.00	32.65 1.23 0.00	39.24 1.40 0.00	45.24 1.66 0.00	43.02 1.45 0.00	38.78 1.31 0.00	35.70 1.24 0.00	31.30 1.15 0.00	27.60 1.09 0.00	25.50 0.93 -1.37
GINNA___ 23603	18.42 -0.75 -0.42	14.45 -0.59 -0.73	13.58 -0.52 -0.67	13.34 -0.49 -0.61	13.19 -0.47 -0.62	13.81 -0.49 -0.71	16.32 -0.56 -0.49	16.42 -0.60 -0.70	19.99 -0.84 -0.29	20.79 -0.64 -0.22	22.91 -0.63 -0.02	24.17 -0.65 0.00	26.81 -0.74 0.00	27.84 -0.68 0.00	29.06 -0.99 0.00	30.61 -0.82 0.00	36.78 -1.06 0.00	42.06 -1.53 0.00	40.15 -1.41 0.00	36.19 -1.27 0.00	33.43 -1.03 0.00	29.19 -0.97 0.00	25.93 -0.58 0.00	22.71 -0.65 -0.15
GLEN PARK___ 23778	19.26 0.32 -0.19	14.88 0.24 -0.33	13.89 0.15 -0.30	13.65 0.15 -0.28	13.46 0.14 -0.28	14.09 0.18 -0.32	16.94 0.34 -0.22	16.94 0.31 -0.30	20.98 0.31 -0.13	21.62 0.32 -0.10	23.93 0.40 -0.01	25.36 0.55 0.00	28.13 0.58 0.00	29.18 0.66 0.00	30.68 0.63 0.00	32.40 0.98 0.00	39.20 1.36 0.00	45.11 1.52 0.00	44.86 1.70 -1.59	41.39 1.84 -2.09	36.76 1.89 -0.40	31.36 1.21 0.00	27.47 0.95 0.00	24.04 0.76 -0.07
GLENDALE_27_KV_LOAD 356172	24.02 1.48 -3.78	21.93 1.02 -6.61	20.38 0.87 -6.07	19.62 0.91 -5.48	19.57 0.89 -5.65	20.92 0.88 -6.45	21.87 1.15 -4.34	23.69 1.24 -6.13	24.85 1.77 -2.54	25.22 2.08 -1.93	26.08 2.38 -0.18	27.17 2.36 0.00	30.39 2.84 -0.01	31.24 2.71 -0.01	32.96 2.91 0.00	34.22 2.80 0.00	41.64 3.67 -0.13	47.94 4.36 0.00	45.22 3.66 0.00	40.61 3.15 0.00	36.91 2.45 0.00	32.72 2.56 0.00	29.01 2.49 -0.01	26.72 2.11 -1.41

GLENWOOD_IC_1_G5 23712	24.07 1.54 -3.78	22.23 1.12 -6.80	20.71 0.98 -6.29	19.68 0.97 -5.49	19.61 0.93 -5.66	21.06 1.02 -6.45	21.91 1.18 -4.34	23.75 1.29 -6.13	24.87 1.79 -2.54	25.20 2.06 -1.94	26.13 2.42 -0.18	27.25 2.43 0.00	32.20 2.78 -1.87	33.42 2.62 -2.28	32.90 2.85 0.00	36.45 2.80 -2.23	43.63 3.52 -2.27	48.62 4.14 -0.89	45.22 3.66 0.00	40.61 3.15 0.00	37.04 2.58 0.00	34.28 2.56 -1.56	31.81 2.39 -2.91	31.36 2.16 -6.01
GLENWOOD_IC_2_G1 23688	23.94 1.41 -3.78	22.06 1.03 -6.72	20.58 0.94 -6.20	19.64 0.93 -5.49	19.56 0.87 -5.66	21.02 0.97 -6.46	21.86 1.13 -4.34	23.68 1.22 -6.13	24.75 1.66 -2.54	25.07 1.93 -1.94	25.84 2.14 -0.18	27.05 2.23 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.79 2.73 -0.01	36.36 2.70 -2.23	43.52 3.41 -2.27	48.53 4.05 -0.89	45.10 3.53 -0.01	40.54 3.07 0.00	37.11 2.65 0.00	34.19 2.47 -1.56	31.57 2.15 -2.91	31.20 2.00 -6.01
GLENWOOD_IC_3_G1 23689	23.94 1.41 -3.78	22.06 1.03 -6.72	20.58 0.94 -6.20	19.64 0.93 -5.49	19.56 0.87 -5.66	21.02 0.97 -6.46	21.86 1.13 -4.34	23.68 1.22 -6.13	24.75 1.66 -2.54	25.07 1.93 -1.94	25.84 2.14 -0.18	27.05 2.23 0.00	31.92 2.51 -1.87	33.34 2.54 -2.28	32.79 2.73 -0.01	36.36 2.70 -2.23	43.52 3.41 -2.27	48.53 4.05 -0.89	45.10 3.53 -0.01	40.54 3.07 0.00	37.11 2.65 0.00	34.19 2.47 -1.56	31.57 2.15 -2.91	31.20 2.00 -6.01
GLENWOOD___4 23550	24.07 1.54 -3.78	22.23 1.12 -6.80	20.71 0.98 -6.29	19.68 0.97 -5.49	19.61 0.93 -5.66	21.06 1.02 -6.45	21.91 1.18 -4.34	23.75 1.29 -6.13	24.87 1.79 -2.54	25.20 2.06 -1.94	26.13 2.42 -0.18	27.25 2.43 0.00	32.23 2.81 -1.87	33.48 2.68 -2.28	32.99 2.94 0.00	36.51 2.86 -2.23	43.74 3.63 -2.27	48.75 4.27 -0.89	45.30 3.74 0.00	40.69 3.22 0.00	37.15 2.69 0.00	34.34 2.62 -1.56	31.89 2.47 -2.91	31.36 2.16 -6.01
GLENWOOD___5 23614	24.07 1.54 -3.78	22.23 1.12 -6.80	20.71 0.98 -6.29	19.68 0.97 -5.49	19.61 0.93 -5.66	21.06 1.02 -6.45	21.91 1.18 -4.34	23.75 1.29 -6.13	24.87 1.79 -2.54	25.20 2.06 -1.94	26.13 2.42 -0.18	27.25 2.43 0.00	32.23 2.81 -1.87	33.48 2.68 -2.28	32.99 2.94 0.00	36.51 2.86 -2.23	43.74 3.63 -2.27	48.75 4.27 -0.89	45.30 3.74 0.00	40.69 3.22 0.00	37.15 2.69 0.00	34.34 2.62 -1.56	31.89 2.47 -2.91	31.36 2.16 -6.01
GLOBAL GREEN_PORT_GT1 23814	25.16 2.63 -3.78	23.41 2.19 -6.91	21.95 2.08 -6.44	20.68 1.97 -5.49	20.58 1.89 -5.66	22.16 2.11 -6.46	22.71 1.98 -4.34	24.63 2.17 -6.13	25.96 2.88 -2.54	26.37 3.22 -1.94	27.37 3.67 -0.18	28.64 3.82 0.00	34.16 4.74 -1.87	35.85 5.05 -2.28	35.38 5.32 -0.01	39.12 5.41 -2.29	48.88 6.77 -4.27	52.59 8.10 -0.90	48.85 7.27 -0.02	51.88 6.29 -8.12	40.10 5.58 -0.06	36.81 5.10 -1.56	33.74 4.32 -2.91	33.01 3.81 -6.01
GLOBE___DSASP 323697	18.60 -0.69 -0.54	14.93 -0.33 -0.95	14.21 -0.09 -0.87	14.02 0.00 -0.79	13.86 0.01 -0.81	14.47 -0.05 -0.93	16.80 -0.23 -0.64	16.69 -0.54 -0.91	19.75 -1.17 -0.38	20.86 -0.64 -0.29	22.61 -0.94 -0.03	24.17 -0.65 0.00	26.20 -1.35 0.00	27.64 -0.88 0.00	28.64 -1.41 0.00	30.35 -1.07 0.00	36.21 -1.63 0.00	41.19 -2.40 0.00	39.36 -2.20 0.00	35.44 -2.02 0.00	33.08 -1.38 0.00	28.98 -1.18 0.00	25.43 -1.09 0.00	22.87 -0.53 -0.20
GOETHSLN___LBMP 323567	23.75 1.22 -3.78	21.74 0.83 -6.61	20.21 0.70 -6.07	19.44 0.73 -5.48	19.40 0.72 -5.65	20.79 0.75 -6.45	21.71 0.98 -4.34	23.53 1.08 -6.13	24.64 1.56 -2.54	24.99 1.85 -1.93	25.77 2.07 -0.18	26.88 2.06 0.00	30.00 2.45 0.00	30.77 2.25 0.00	32.48 2.43 0.00	33.75 2.33 0.00	41.04 3.06 -0.13	47.24 3.66 0.00	44.64 3.08 0.00	40.12 2.66 0.00	36.53 2.07 0.00	32.30 2.14 0.00	28.61 2.09 0.00	26.36 1.76 -1.40
GOLAH___69_KV_TB 1_2 80279	19.40 0.21 -0.44	15.34 0.26 -0.77	14.48 0.34 -0.71	14.21 0.34 -0.64	14.05 0.35 -0.66	14.71 0.37 -0.76	17.37 0.46 -0.52	17.36 0.29 -0.74	20.91 0.06 -0.31	21.87 0.42 -0.23	23.88 0.33 -0.02	25.49 0.67 0.00	27.88 0.33 0.00	29.26 0.74 0.00	30.29 0.24 0.00	31.99 0.57 0.00	38.33 0.49 0.00	43.80 0.22 0.00	41.89 0.33 0.00	37.73 0.26 0.00	34.98 0.52 0.00	30.61 0.45 0.00	26.75 0.24 0.00	23.94 0.58 -0.16
GOODYEAR_LAKE_HYD 323669	20.25 0.84 -0.66	16.10 0.64 -1.15	15.08 0.59 -1.06	14.76 0.58 -0.95	14.59 0.57 -0.98	15.35 0.64 -1.12	17.98 0.82 -0.77	18.23 0.82 -1.09	22.08 1.09 -0.45	22.81 1.25 -0.35	25.01 1.46 -0.03	26.41 1.59 0.00	29.31 1.76 0.00	30.35 1.83 0.00	31.85 1.80 0.00	33.43 2.01 0.00	40.22 2.38 0.00	46.33 2.75 0.00	44.39 2.54 -0.29	40.13 2.29 -0.38	36.67 2.14 -0.07	31.91 1.75 0.00	27.97 1.46 0.00	24.67 1.23 -0.24
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	20.03 0.17 -1.11	16.41 0.17 -1.93	15.40 0.19 -1.78	15.03 0.20 -1.60	14.90 0.21 -1.65	15.71 0.23 -1.89	17.99 0.29 -1.31	18.45 0.28 -1.85	21.53 0.23 -0.76	22.19 0.40 -0.58	24.10 0.52 -0.05	25.49 0.67 0.00	28.13 0.58 0.00	29.29 0.77 0.00	30.71 0.66 0.00	32.30 0.88 0.00	38.90 1.06 0.00	44.59 1.00 0.00	43.07 0.79 -0.72	39.12 0.71 -0.94	35.40 0.76 -0.18	30.76 0.60 0.00	26.99 0.48 0.00	23.98 0.37 -0.41
GOUDEY___7 23579	20.05 0.19 -1.11	16.41 0.17 -1.93	15.41 0.20 -1.78	15.04 0.21 -1.60	14.90 0.21 -1.65	15.72 0.24 -1.89	18.00 0.31 -1.31	18.45 0.28 -1.85	21.55 0.25 -0.76	22.22 0.42 -0.58	24.12 0.54 -0.05	25.51 0.69 0.00	28.18 0.63 0.00	29.32 0.80 0.00	30.74 0.69 0.00	32.37 0.94 0.00	38.94 1.10 0.00	44.63 1.05 0.00	43.15 0.87 -0.72	39.15 0.75 -0.94	35.43 0.79 -0.18	30.82 0.66 0.00	27.02 0.50 0.00	24.00 0.39 -0.41
GOUDEY___8 23580	20.03 0.17 -1.11	16.41 0.17 -1.93	15.40 0.19 -1.78	15.03 0.20 -1.60	14.90 0.21 -1.65	15.71 0.23 -1.89	17.99 0.29 -1.31	18.45 0.28 -1.85	21.53 0.23 -0.76	22.19 0.40 -0.58	24.10 0.52 -0.05	25.49 0.67 0.00	28.13 0.58 0.00	29.29 0.77 0.00	30.71 0.66 0.00	32.30 0.88 0.00	38.90 1.06 0.00	44.59 1.00 0.00	43.07 0.79 -0.72	39.12 0.71 -0.94	35.40 0.76 -0.18	30.76 0.60 0.00	26.99 0.48 0.00	23.98 0.37 -0.41
GOWANUS_GT1_1 24077	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT1_2 24078	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41

GOWANUS_GT1_3 24079	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT1_4 24080	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT1_5 24084	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT1_6 24111	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT1_7 24112	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT1_8 24113	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT2_1 24114	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT2_2 24115	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT2_3 24116	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT2_4 24117	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT2_5 24118	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT2_6 24119	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT2_7 24120	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT2_8 24121	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT3_1 24122	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41

GOWANUS_GT3_2 24123	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT3_3 24124	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT3_4 24125	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT3_5 24126	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT3_6 24127	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT3_7 24128	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT3_8 24129	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
GOWANUS_GT4_1 24130	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT4_2 24131	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT4_3 24132	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT4_4 24133	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT4_5 24134	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT4_6 24135	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT4_7 24136	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GOWANUS_GT4_8 24137	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41

GREENBSH_115KV_TB3 55895	24.04 0.45 -4.84	23.09 0.31 -8.47	21.53 0.31 -7.78	20.55 0.29 -7.03	20.58 0.30 -7.25	22.17 0.31 -8.26	21.70 0.36 -4.95	24.55 0.38 -7.86	23.22 0.55 -2.12	24.36 0.68 -2.48	24.53 0.78 -0.23	25.59 0.77 0.00	28.49 0.94 0.00	29.35 0.83 0.00	31.04 0.99 0.00	32.30 0.88 0.00	38.72 1.02 0.14	44.89 1.31 0.00	42.68 1.12 0.00	38.55 1.09 0.00	35.34 1.03 0.16	31.06 0.90 0.00	27.36 0.85 0.00	24.69 0.72 -0.77
GREENDGE_115KV_TB5 80291	19.63 0.19 -0.69	15.69 0.19 -1.20	14.77 0.23 -1.10	14.45 0.22 -1.00	14.31 0.25 -1.03	15.06 0.30 -1.17	17.66 0.46 -0.81	17.90 0.42 -1.15	21.33 0.31 -0.48	22.14 0.57 -0.36	24.24 0.68 -0.03	25.81 0.99 0.00	28.40 0.85 0.00	29.69 1.17 0.00	30.95 0.90 0.00	32.49 1.07 0.00	39.16 1.32 0.00	44.76 1.18 0.00	43.06 0.91 -0.58	39.05 0.82 -0.76	35.47 0.86 -0.15	31.03 0.87 0.00	27.12 0.61 0.00	23.97 0.51 -0.25
GREENIDGE___3 23582	19.63 0.19 -0.69	15.69 0.19 -1.20	14.77 0.23 -1.10	14.45 0.22 -1.00	14.31 0.25 -1.03	15.06 0.30 -1.17	17.66 0.46 -0.81	17.90 0.42 -1.15	21.33 0.31 -0.48	22.14 0.57 -0.36	24.24 0.68 -0.03	25.81 0.99 0.00	28.40 0.85 0.00	29.69 1.17 0.00	30.95 0.90 0.00	32.49 1.07 0.00	39.16 1.32 0.00	44.76 1.18 0.00	43.06 0.91 -0.58	39.05 0.82 -0.76	35.47 0.86 -0.15	31.03 0.87 0.00	27.12 0.61 0.00	23.97 0.51 -0.25
GREENIDGE___4 23583	19.63 0.19 -0.69	15.62 0.11 -1.20	14.67 0.13 -1.10	14.38 0.16 -1.00	14.24 0.18 -1.03	14.98 0.22 -1.17	17.56 0.36 -0.81	17.80 0.33 -1.15	21.33 0.31 -0.48	22.14 0.57 -0.36	24.45 0.89 -0.03	25.84 1.02 0.00	28.57 1.02 0.00	29.72 1.20 0.00	31.04 0.99 0.00	32.49 1.07 0.00	39.13 1.29 0.00	44.76 1.18 0.00	43.05 0.91 -0.58	39.05 0.82 -0.76	35.43 0.83 -0.15	31.06 0.90 0.00	27.47 0.95 0.00	23.99 0.53 -0.25
GREENLWN_69_KV_BK 3 55738	24.05 1.52 -3.78	22.36 1.14 -6.91	20.87 1.02 -6.42	19.66 0.95 -5.49	19.59 0.90 -5.66	21.08 1.03 -6.45	21.81 1.08 -4.34	23.71 1.26 -6.13	24.79 1.70 -2.54	25.10 1.95 -1.94	26.03 2.33 -0.18	27.15 2.33 0.00	32.14 2.73 -1.87	33.36 2.57 -2.28	32.90 2.85 0.00	36.59 2.95 -2.22	43.07 3.48 -1.75	48.66 4.18 -0.89	45.17 3.62 0.00	39.24 3.30 1.52	37.13 2.69 0.02	34.46 2.74 -1.56	32.12 2.70 -2.91	31.48 2.27 -6.01
GREENWD_138_KV_38B11_REV_LBMP_J 345004	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41
GRISSOM___SOLAR 323813	26.15 1.65 -5.75	25.68 1.32 -10.05	23.89 1.21 -9.24	22.76 1.19 -8.34	22.82 1.19 -8.60	24.71 1.30 -9.81	24.67 1.67 -6.61	27.24 1.58 -9.33	26.57 2.16 -3.87	26.51 2.35 -2.95	26.81 3.01 -0.27	27.94 3.13 0.00	31.08 3.53 0.00	32.14 3.62 0.00	33.44 3.39 0.00	35.07 3.64 0.00	41.93 4.20 0.11	48.72 5.14 0.00	46.55 4.99 0.00	42.22 4.76 0.00	38.94 4.48 0.00	33.89 3.74 0.00	29.56 3.05 0.00	27.93 2.60 -2.13
GROVEVILLE___HYD 323602	23.77 1.22 -3.79	21.79 0.84 -6.64	20.28 0.74 -6.10	19.48 0.74 -5.51	19.43 0.72 -5.68	20.83 0.76 -6.48	21.70 0.95 -4.36	23.48 1.00 -6.16	24.51 1.42 -2.55	24.81 1.65 -1.94	25.56 1.86 -0.18	26.73 1.91 0.00	29.78 2.23 0.00	30.72 2.20 0.00	32.48 2.43 0.00	33.78 2.36 0.00	40.93 2.99 -0.10	46.98 3.40 0.00	44.51 2.95 0.00	40.16 2.70 0.00	36.70 2.24 0.00	32.30 2.14 0.00	28.45 1.94 0.00	26.23 1.62 -1.41
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	19.13 0.02 -0.36	15.00 0.06 -0.63	14.08 0.07 -0.58	13.82 0.07 -0.53	13.64 0.07 -0.54	14.31 0.10 -0.62	17.21 0.39 -0.43	17.33 0.39 -0.61	21.16 0.37 -0.25	21.87 0.47 -0.19	24.08 0.54 -0.02	25.51 0.69 0.00	28.24 0.69 0.00	29.38 0.86 0.00	30.80 0.75 0.00	32.43 1.01 0.00	39.01 1.17 0.00	44.72 1.13 0.00	43.67 0.21 -1.90	40.19 0.22 -2.50	35.15 0.21 -0.48	30.28 0.12 0.00	26.54 0.03 0.00	23.36 0.02 -0.13
HAMLTNNY_34_KV_TB 80303	19.21 0.08 -0.39	15.10 0.11 -0.67	14.17 0.12 -0.62	13.91 0.12 -0.56	13.74 0.13 -0.58	14.41 0.16 -0.66	17.44 0.59 -0.46	17.56 0.59 -0.65	21.43 0.62 -0.27	22.18 0.76 -0.21	24.41 0.87 -0.02	25.91 1.09 0.00	28.65 1.10 0.00	29.86 1.34 0.00	31.28 1.23 0.00	32.96 1.54 0.00	39.66 1.82 0.00	45.41 1.83 0.00	43.98 0.46 -1.96	40.49 0.45 -2.58	35.40 0.45 -0.49	30.46 0.30 0.00	26.70 0.19 0.00	23.51 0.16 -0.14
HAMPSHIRE___PAPER_HYD 323593	18.57 -0.28 -0.10	14.23 -0.24 -0.17	13.31 -0.28 -0.15	13.08 -0.29 -0.14	12.88 -0.30 -0.14	13.40 -0.35 -0.16	16.09 -0.41 -0.11	16.04 -0.44 -0.16	20.01 -0.60 -0.07	20.56 -0.70 -0.05	22.82 -0.71 0.00	24.12 -0.69 0.00	26.78 -0.77 0.00	27.78 -0.74 0.00	29.27 -0.78 0.00	30.73 -0.69 0.00	37.20 -0.64 0.00	42.84 -0.74 0.00	41.78 -0.42 -0.63	38.04 -0.26 -0.83	34.45 -0.17 -0.16	29.88 -0.27 0.00	26.36 -0.16 0.00	23.14 -0.09 -0.04
HARDSCRABBLE_WT_PWR 323673	18.62 -0.13 0.00	14.21 -0.10 0.00	13.33 -0.11 0.00	13.12 -0.11 0.00	12.94 -0.09 0.00	13.50 -0.09 0.00	16.30 -0.08 0.00	16.26 -0.07 0.00	20.48 -0.06 0.00	21.21 0.00 0.00	23.69 0.17 0.00	25.01 0.20 0.00	27.74 0.19 0.00	28.69 0.17 0.00	29.96 -0.09 0.00	31.36 -0.06 0.00	37.76 -0.08 0.00	43.41 -0.17 0.00	41.35 -0.21 0.00	37.32 -0.15 0.00	34.29 -0.17 0.00	29.98 -0.18 0.00	26.33 -0.18 0.00	23.06 -0.14 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	23.30 1.07 -3.48	21.14 0.74 -6.09	19.66 0.63 -5.60	18.93 0.65 -5.05	18.88 0.64 -5.21	20.20 0.67 -5.94	21.24 0.85 -4.00	22.87 0.90 -5.65	24.16 1.27 -2.34	24.52 1.53 -1.78	25.43 1.74 -0.16	26.60 1.79 0.00	29.64 2.09 0.00	30.60 2.08 0.00	32.27 2.22 0.00	33.62 2.20 0.00	40.75 2.80 -0.11	46.68 3.09 0.00	44.22 2.66 0.00	39.86 2.40 0.00	36.42 1.96 0.00	32.06 1.90 0.00	28.26 1.75 0.00	25.95 1.46 -1.29
HARSNRAD_115KV_TB1 81005	18.93 -0.36 -0.53	15.10 -0.14 -0.94	14.35 0.05 -0.86	14.11 0.11 -0.78	13.96 0.13 -0.80	14.61 0.11 -0.91	17.05 0.03 -0.63	17.02 -0.20 -0.89	20.19 -0.72 -0.37	21.32 -0.17 -0.28	23.22 -0.33 -0.03	24.87 0.05 0.00	27.00 -0.55 0.00	28.49 -0.03 0.00	29.51 -0.54 0.00	31.27 -0.16 0.00	37.35 -0.49 0.00	42.49 -1.09 0.00	40.60 -0.96 0.00	36.57 -0.90 0.00	34.12 -0.34 0.00	29.85 -0.30 0.00	26.14 -0.37 0.00	23.40 0.00 -0.20
HARZA MOOSE___RIVER 24016	19.01 0.13 -0.12	14.63 0.10 -0.22	13.67 0.04 -0.20	13.45 0.04 -0.18	13.26 0.04 -0.19	13.87 0.07 -0.21	16.69 0.16 -0.15	16.69 0.16 -0.21	20.81 0.18 -0.09	21.44 0.17 -0.07	23.81 0.28 -0.01	25.19 0.37 0.00	27.93 0.39 0.00	28.98 0.46 0.00	30.44 0.39 0.00	32.02 0.60 0.00	38.82 0.98 0.00	44.72 1.13 0.00	43.22 1.12 -0.53	39.29 1.12 -0.70	35.77 1.17 -0.13	30.88 0.72 0.00	27.07 0.56 0.00	23.71 0.46 -0.05

HDSNBRDG_115KV_BRDG_TB1 355580	19.01 -0.08 -0.33	14.87 -0.01 -0.58	13.96 0.00 -0.53	13.71 0.00 -0.48	13.54 0.01 -0.49	14.18 0.03 -0.56	16.90 0.11 -0.40	17.01 0.11 -0.57	20.80 0.02 -0.24	21.45 0.06 -0.18	23.63 0.09 -0.02	24.97 0.15 0.00	27.60 0.06 0.00	28.72 0.20 0.00	30.14 0.09 0.00	31.67 0.25 0.00	38.10 0.26 0.00	43.71 0.13 0.00	42.45 -0.12 -1.02	38.73 -0.07 -1.34	34.68 -0.03 -0.26	30.04 -0.12 0.00	26.35 -0.16 0.00	23.21 -0.12 -0.12
HELLGATE_13_KV_LD 55870	23.94 1.41 -3.78	21.87 0.96 -6.61	20.33 0.82 -6.07	19.57 0.86 -5.48	19.51 0.82 -5.65	20.86 0.82 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.94 2.23 -0.18	27.03 2.21 0.00	30.23 2.67 -0.01	31.07 2.54 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.42 3.44 -0.13	47.68 4.10 0.00	44.97 3.41 0.00	40.35 2.88 0.00	36.67 2.21 0.00	32.54 2.38 0.00	28.91 2.39 -0.01	26.60 2.00 -1.41
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	23.94 1.41 -3.78	21.87 0.96 -6.61	20.33 0.82 -6.07	19.57 0.86 -5.48	19.51 0.82 -5.65	20.86 0.82 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.94 2.23 -0.18	27.03 2.21 0.00	30.23 2.67 -0.01	31.07 2.54 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.42 3.44 -0.13	47.68 4.10 0.00	44.97 3.41 0.00	40.35 2.88 0.00	36.67 2.21 0.00	32.54 2.38 0.00	28.91 2.39 -0.01	26.60 2.00 -1.41
HEMPSTEAD____ 23647	24.11 1.58 -3.78	22.32 1.17 -6.84	20.86 1.09 -6.34	19.76 1.04 -5.49	19.67 0.98 -5.66	21.15 1.10 -6.46	21.96 1.23 -4.34	23.80 1.34 -6.13	24.87 1.79 -2.54	25.20 2.06 -1.94	26.01 2.31 -0.18	27.20 2.38 0.00	32.12 2.70 -1.87	33.56 2.77 -2.28	33.06 3.00 -0.01	36.58 2.92 -2.23	43.82 3.71 -2.27	48.83 4.36 -0.89	45.43 3.87 -0.01	40.76 3.30 0.00	37.39 2.93 0.00	34.43 2.72 -1.56	31.83 2.41 -2.91	31.41 2.21 -6.01
HEWLETT__69_KV_BK3 55828	24.28 1.74 -3.78	22.46 1.29 -6.87	20.95 1.16 -6.36	19.81 1.10 -5.49	19.73 1.04 -5.66	21.21 1.17 -6.45	22.02 1.29 -4.34	23.89 1.44 -6.13	25.01 1.93 -2.54	25.33 2.18 -1.94	26.31 2.61 -0.18	27.45 2.63 0.00	32.45 3.03 -1.87	33.79 2.99 -2.28	33.30 3.25 0.00	36.86 3.21 -2.23	44.16 4.05 -2.27	49.23 4.75 -0.89	45.84 4.28 0.00	41.14 3.67 0.00	37.56 3.10 0.00	34.73 3.02 -1.56	32.31 2.89 -2.91	31.60 2.39 -6.01
HICKLING___1 23621	20.01 0.39 -0.86	16.17 0.36 -1.51	15.22 0.40 -1.38	14.89 0.41 -1.25	14.75 0.43 -1.29	15.54 0.48 -1.47	17.98 0.57 -1.02	18.29 0.52 -1.44	21.55 0.41 -0.60	22.43 0.76 -0.45	24.46 0.89 -0.04	26.03 1.22 0.00	28.60 1.05 0.00	29.77 1.25 0.00	31.16 1.11 0.00	32.90 1.48 0.00	39.58 1.74 0.00	45.15 1.57 0.00	43.51 1.37 -0.58	39.46 1.24 -0.76	35.92 1.31 -0.15	31.24 1.09 0.00	27.34 0.82 0.00	24.15 0.63 -0.32
HICKLING___2 23622	20.01 0.39 -0.86	16.17 0.36 -1.51	15.22 0.40 -1.38	14.89 0.41 -1.25	14.75 0.43 -1.29	15.54 0.48 -1.47	17.98 0.57 -1.02	18.29 0.52 -1.44	21.55 0.41 -0.60	22.43 0.76 -0.45	24.46 0.89 -0.04	26.03 1.22 0.00	28.60 1.05 0.00	29.77 1.25 0.00	31.16 1.11 0.00	32.90 1.48 0.00	39.58 1.74 0.00	45.15 1.57 0.00	43.51 1.37 -0.58	39.46 1.24 -0.76	35.92 1.31 -0.15	31.24 1.09 0.00	27.34 0.82 0.00	24.15 0.63 -0.32
HIGH FALLS___HY 23754	23.57 1.09 -3.73	21.55 0.72 -6.53	20.06 0.62 -6.00	19.28 0.63 -5.42	19.23 0.61 -5.59	20.62 0.65 -6.37	21.40 0.79 -4.23	23.19 0.83 -6.03	24.17 1.21 -2.42	24.51 1.40 -1.90	25.32 1.62 -0.18	26.50 1.69 0.00	29.50 1.96 0.00	30.49 1.97 0.00	32.12 2.07 0.00	33.50 2.07 0.00	40.59 2.69 -0.06	46.55 2.96 0.00	44.22 2.66 0.00	39.86 2.40 0.00	36.41 1.96 0.02	32.03 1.87 0.00	28.21 1.70 0.00	25.91 1.44 -1.27
HILLBURN___GT 23639	23.38 1.09 -3.54	21.28 0.77 -6.20	19.82 0.68 -5.70	19.06 0.69 -5.14	19.00 0.66 -5.31	20.35 0.71 -6.05	21.36 0.90 -4.08	23.02 0.95 -5.75	24.24 1.32 -2.38	24.59 1.57 -1.82	25.46 1.77 -0.17	26.68 1.86 0.00	29.64 2.09 0.00	30.66 2.14 0.00	32.27 2.22 0.00	33.62 2.20 0.00	40.76 2.80 -0.12	46.81 3.23 0.00	44.30 2.74 0.00	39.86 2.40 0.00	36.46 2.00 0.00	32.09 1.93 0.00	28.13 1.62 0.00	26.04 1.53 -1.31
HILLSIDE_115KV_TB1 80332	19.55 -0.11 -0.91	15.86 -0.03 -1.58	14.92 0.03 -1.46	14.59 0.05 -1.31	14.47 0.08 -1.36	15.23 0.10 -1.55	17.57 0.11 -1.07	17.90 0.07 -1.52	21.05 -0.12 -0.63	21.86 0.17 -0.48	23.85 0.28 -0.04	25.31 0.50 0.00	27.85 0.30 0.00	29.15 0.63 0.00	30.47 0.42 0.00	32.15 0.72 0.00	38.67 0.83 0.00	44.15 0.57 0.00	42.53 0.37 -0.60	38.55 0.30 -0.79	35.06 0.45 -0.15	30.55 0.39 0.00	26.75 0.24 0.00	23.65 0.12 -0.33
HISHELDN_WT_PWR 323625	19.16 -0.22 -0.63	15.21 -0.20 -1.10	14.37 -0.08 -1.01	14.12 -0.03 -0.91	13.98 0.00 -0.94	14.64 -0.03 -1.08	17.02 -0.11 -0.75	17.13 -0.24 -1.05	20.48 -0.49 -0.44	21.54 0.00 -0.33	23.95 0.40 -0.03	25.21 0.40 0.00	27.82 0.28 0.00	28.95 0.43 0.00	30.17 0.12 0.00	31.83 0.41 0.00	38.07 0.23 0.00	43.41 -0.17 0.00	41.35 -0.21 0.00	37.28 -0.19 0.00	34.63 0.17 0.00	30.37 0.21 0.00	27.25 0.74 0.00	23.60 0.16 -0.23
HOLTSVILLE_IC_1 23690	24.41 1.88 -3.78	22.75 1.53 -6.91	21.31 1.44 -6.44	20.07 1.36 -5.49	19.98 1.29 -5.66	21.52 1.47 -6.46	22.12 1.39 -4.34	24.01 1.55 -6.13	25.12 2.03 -2.54	25.41 2.27 -1.94	26.22 2.52 -0.18	27.37 2.56 0.00	32.53 3.11 -1.87	34.05 3.25 -2.28	33.54 3.48 -0.01	37.11 3.39 -2.29	46.35 4.27 -4.23	49.67 5.18 -0.90	46.07 4.49 -0.02	49.31 3.86 -7.99	38.00 3.48 -0.06	35.03 3.32 -1.56	32.31 2.89 -2.91	31.87 2.67 -6.01
HOLTSVILLE_IC_10 23699	24.54 2.01 -3.78	22.85 1.63 -6.91	21.41 1.54 -6.44	20.18 1.47 -5.49	20.07 1.38 -5.66	21.63 1.58 -6.46	22.23 1.51 -4.34	24.12 1.67 -6.13	25.26 2.18 -2.54	25.56 2.42 -1.94	26.31 2.61 -0.18	27.47 2.66 0.00	32.69 3.28 -1.87	34.25 3.45 -2.28	33.81 3.76 -0.01	37.49 3.77 -2.29	46.89 4.69 -4.36	50.15 5.66 -0.90	46.52 4.94 -0.02	50.24 4.27 -8.51	38.42 3.89 -0.06	35.36 3.65 -1.56	32.57 3.15 -2.91	32.08 2.88 -6.01
HOLTSVILLE_IC_2 23691	24.41 1.88 -3.78	22.75 1.53 -6.91	21.31 1.44 -6.44	20.07 1.36 -5.49	19.98 1.29 -5.66	21.52 1.47 -6.46	22.12 1.39 -4.34	24.01 1.55 -6.13	25.12 2.03 -2.54	25.41 2.27 -1.94	26.22 2.52 -0.18	27.37 2.56 0.00	32.53 3.11 -1.87	34.05 3.25 -2.28	33.54 3.48 -0.01	37.11 3.39 -2.29	46.35 4.27 -4.23	49.67 5.18 -0.90	46.07 4.49 -0.02	49.31 3.86 -7.99	38.00 3.48 -0.06	35.03 3.32 -1.56	32.31 2.89 -2.91	31.87 2.67 -6.01
HOLTSVILLE_IC_3 23692	24.41 1.88 -3.78	22.75 1.53 -6.91	21.31 1.44 -6.44	20.07 1.36 -5.49	19.98 1.29 -5.66	21.52 1.47 -6.46	22.12 1.39 -4.34	24.01 1.55 -6.13	25.12 2.03 -2.54	25.41 2.27 -1.94	26.22 2.52 -0.18	27.37 2.56 0.00	32.53 3.11 -1.87	34.05 3.25 -2.28	33.54 3.48 -0.01	37.11 3.39 -2.29	46.35 4.27 -4.23	49.67 5.18 -0.90	46.07 4.49 -0.02	49.31 3.86 -7.99	38.00 3.48 -0.06	35.03 3.32 -1.56	32.31 2.89 -2.91	31.87 2.67 -6.01

HOLTSVILLE_IC_4 23693	24.41 1.88 -3.78	22.75 1.53 -6.91	21.31 1.44 -6.44	20.07 1.36 -5.49	19.98 1.29 -5.66	21.52 1.47 -6.46	22.12 1.39 -4.34	24.01 1.55 -6.13	25.12 2.03 -2.54	25.41 2.27 -1.94	26.22 2.52 -0.18	27.37 2.56 0.00	32.53 3.11 -1.87	34.05 3.25 -2.28	33.54 3.48 -0.01	37.11 3.39 -2.29	46.35 4.27 -4.23	49.67 5.18 -0.90	46.07 4.49 -0.02	49.31 3.86 -7.99	38.00 3.48 -0.06	35.03 3.32 -1.56	32.31 2.89 -2.91	31.87 2.67 -6.01
HOLTSVILLE_IC_5 23694	24.41 1.88 -3.78	22.75 1.53 -6.91	21.31 1.44 -6.44	20.07 1.36 -5.49	19.98 1.29 -5.66	21.52 1.47 -6.46	22.12 1.39 -4.34	24.01 1.55 -6.13	25.12 2.03 -2.54	25.41 2.27 -1.94	26.22 2.52 -0.18	27.37 2.56 0.00	32.53 3.11 -1.87	34.05 3.25 -2.28	33.54 3.48 -0.01	37.11 3.39 -2.29	46.35 4.27 -4.23	49.67 5.18 -0.90	46.07 4.49 -0.02	49.31 3.86 -7.99	38.00 3.48 -0.06	35.03 3.32 -1.56	32.31 2.89 -2.91	31.87 2.67 -6.01
HOLTSVILLE_IC_6 23695	24.54 2.01 -3.78	22.85 1.63 -6.91	21.41 1.54 -6.44	20.18 1.47 -5.49	20.07 1.38 -5.66	21.63 1.58 -6.46	22.23 1.51 -4.34	24.12 1.67 -6.13	25.26 2.18 -2.54	25.56 2.42 -1.94	26.31 2.61 -0.18	27.47 2.66 0.00	32.69 3.28 -1.87	34.25 3.45 -2.28	33.81 3.76 -0.01	37.49 3.77 -2.29	46.89 4.69 -4.36	50.15 5.66 -0.90	46.52 4.94 -0.02	50.24 4.27 -8.51	38.42 3.89 -0.06	35.36 3.65 -1.56	32.57 3.15 -2.91	32.08 2.88 -6.01
HOLTSVILLE_IC_7 23696	24.54 2.01 -3.78	22.85 1.63 -6.91	21.41 1.54 -6.44	20.18 1.47 -5.49	20.07 1.38 -5.66	21.63 1.58 -6.46	22.23 1.51 -4.34	24.12 1.67 -6.13	25.26 2.18 -2.54	25.56 2.42 -1.94	26.31 2.61 -0.18	27.47 2.66 0.00	32.69 3.28 -1.87	34.25 3.45 -2.28	33.81 3.76 -0.01	37.49 3.77 -2.29	46.89 4.69 -4.36	50.15 5.66 -0.90	46.52 4.94 -0.02	50.24 4.27 -8.51	38.42 3.89 -0.06	35.36 3.65 -1.56	32.57 3.15 -2.91	32.08 2.88 -6.01
HOLTSVILLE_IC_8 23697	24.54 2.01 -3.78	22.85 1.63 -6.91	21.41 1.54 -6.44	20.18 1.47 -5.49	20.07 1.38 -5.66	21.63 1.58 -6.46	22.23 1.51 -4.34	24.12 1.67 -6.13	25.26 2.18 -2.54	25.56 2.42 -1.94	26.31 2.61 -0.18	27.47 2.66 0.00	32.69 3.28 -1.87	34.25 3.45 -2.28	33.81 3.76 -0.01	37.49 3.77 -2.29	46.89 4.69 -4.36	50.15 5.66 -0.90	46.52 4.94 -0.02	50.24 4.27 -8.51	38.42 3.89 -0.06	35.36 3.65 -1.56	32.57 3.15 -2.91	32.08 2.88 -6.01
HOLTSVILLE_IC_9 23698	24.54 2.01 -3.78	22.85 1.63 -6.91	21.41 1.54 -6.44	20.18 1.47 -5.49	20.07 1.38 -5.66	21.63 1.58 -6.46	22.23 1.51 -4.34	24.12 1.67 -6.13	25.26 2.18 -2.54	25.56 2.42 -1.94	26.31 2.61 -0.18	27.47 2.66 0.00	32.69 3.28 -1.87	34.25 3.45 -2.28	33.81 3.76 -0.01	37.49 3.77 -2.29	46.89 4.69 -4.36	50.15 5.66 -0.90	46.52 4.94 -0.02	50.24 4.27 -8.51	38.42 3.89 -0.06	35.36 3.65 -1.56	32.57 3.15 -2.91	32.08 2.88 -6.01
HOMER_HL_115KV_TB2 355744	18.84 -0.58 -0.66	15.11 -0.36 -1.16	14.27 -0.23 -1.07	14.02 -0.17 -0.96	13.88 -0.14 -0.99	14.58 -0.15 -1.13	16.92 -0.25 -0.79	17.11 -0.33 -1.11	20.24 -0.76 -0.46	21.26 -0.30 -0.35	23.67 0.12 -0.03	25.26 0.45 0.00	27.60 0.06 0.00	29.12 0.60 0.00	30.35 0.30 0.00	32.18 0.75 0.00	38.56 0.72 0.00	43.80 0.22 0.00	41.64 0.08 0.00	37.46 0.00 0.00	34.84 0.38 0.00	30.49 0.33 0.00	26.67 0.16 0.00	23.08 -0.37 -0.25
HOWARD_WT_PWR 323690	19.67 0.19 -0.73	15.70 0.11 -1.28	14.76 0.15 -1.18	14.47 0.19 -1.06	14.33 0.21 -1.09	15.07 0.23 -1.25	17.53 0.28 -0.87	17.76 0.21 -1.22	21.17 0.12 -0.51	22.15 0.55 -0.39	24.62 1.06 -0.04	26.01 1.19 0.00	28.68 1.13 0.00	29.83 1.31 0.00	31.10 1.05 0.00	32.84 1.42 0.00	39.47 1.63 0.00	45.02 1.44 0.00	43.26 1.29 -0.41	39.21 1.20 -0.54	35.87 1.31 -0.10	31.27 1.12 0.00	27.86 1.35 0.00	24.14 0.67 -0.27
HQ_GEN_CEDARS 23644	18.27 -0.49 0.00	13.91 -0.40 0.00	13.03 -0.40 0.00	12.80 -0.42 0.00	12.60 -0.43 0.00	13.09 -0.50 0.00	15.78 -0.61 0.00	15.70 -0.62 0.00	19.80 -0.74 0.00	20.32 -0.89 0.00	22.58 -0.94 0.00	23.77 -1.04 0.00	26.47 -1.07 0.00	27.41 -1.11 0.00	28.94 -1.11 0.00	30.20 -1.23 0.00	36.44 -1.40 0.00	42.06 -1.53 0.00	40.48 -1.08 0.00	36.49 -0.97 0.00	33.53 -0.93 0.00	29.40 -0.75 0.00	25.90 -0.61 0.00	22.69 -0.51 0.00
HQ_GEN_CEDARS_PROXY 323590	18.27 -0.49 0.00	13.91 -0.40 0.00	13.04 -0.39 0.00	12.82 -0.41 0.00	12.61 -0.42 0.00	13.10 -0.49 0.00	15.78 -0.61 0.00	15.72 -0.60 0.00	19.80 -0.74 0.00	20.32 -0.89 0.00	22.56 -0.97 0.00	24.07 -1.04 -0.29	26.15 -1.10 0.29	27.41 -1.11 0.00	28.94 -1.11 0.00	30.20 -1.23 0.00	36.44 -1.40 0.00	41.97 -1.61 0.00	40.48 -1.08 0.00	36.49 -0.97 0.00	33.53 -0.93 0.00	29.40 -0.75 0.00	25.88 -0.64 0.00	22.69 -0.51 0.00
HQ_GEN_IMPORT 323601	18.51 -0.24 0.00	14.11 -0.20 0.00	13.23 -0.20 0.00	13.01 -0.21 0.00	12.82 -0.21 0.00	13.36 -0.23 0.00	16.10 -0.28 0.00	16.05 -0.28 0.00	20.19 -0.35 0.00	20.76 -0.45 0.00	23.03 -0.50 0.00	24.57 -0.55 -0.29	26.68 -0.58 0.29	27.95 -0.57 0.00	29.48 -0.57 0.00	30.79 -0.63 0.00	37.08 -0.76 0.00	42.75 -0.83 0.00	40.85 -0.71 0.00	36.83 -0.64 0.00	33.84 -0.62 0.00	29.64 -0.51 0.00	26.04 -0.48 0.00	22.81 -0.39 0.00
HQ_GEN_WHEEL 23651	18.51 -0.24 0.00	14.11 -0.20 0.00	13.23 -0.20 0.00	13.01 -0.21 0.00	12.82 -0.21 0.00	13.36 -0.23 0.00	16.10 -0.28 0.00	16.05 -0.28 0.00	20.19 -0.35 0.00	20.76 -0.45 0.00	23.03 -0.50 0.00	24.57 -0.55 -0.29	26.68 -0.58 0.29	27.95 -0.57 0.00	29.48 -0.57 0.00	30.79 -0.63 0.00	37.08 -0.76 0.00	42.75 -0.83 0.00	40.85 -0.71 0.00	36.83 -0.64 0.00	33.84 -0.62 0.00	29.64 -0.51 0.00	26.04 -0.48 0.00	22.81 -0.39 0.00
HUDSON_AVE_GT_3 23810	23.88 1.35 -3.78	21.83 0.92 -6.61	20.30 0.79 -6.07	19.53 0.82 -5.48	19.48 0.79 -5.65	20.87 0.83 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.74 1.66 -2.54	25.12 1.97 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.17 2.62 0.00	30.97 2.45 0.00	32.72 2.67 0.00	34.00 2.58 0.00	41.34 3.37 -0.13	47.59 4.01 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.80 2.34 0.00	32.54 2.38 0.00	28.79 2.28 0.00	26.53 1.93 -1.40
HUDSON_AVE_GT_4 23540	23.88 1.35 -3.78	21.83 0.92 -6.61	20.30 0.79 -6.07	19.53 0.82 -5.48	19.48 0.79 -5.65	20.87 0.83 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.74 1.66 -2.54	25.12 1.97 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.17 2.62 0.00	30.97 2.45 0.00	32.72 2.67 0.00	34.00 2.58 0.00	41.34 3.37 -0.13	47.59 4.01 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.80 2.34 0.00	32.54 2.38 0.00	28.79 2.28 0.00	26.53 1.93 -1.40
HUDSON_AVE_GT_5 23657	23.88 1.35 -3.78	21.83 0.92 -6.61	20.30 0.79 -6.07	19.53 0.82 -5.48	19.48 0.79 -5.65	20.87 0.83 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.74 1.66 -2.54	25.12 1.97 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.17 2.62 0.00	30.97 2.45 0.00	32.72 2.67 0.00	34.00 2.58 0.00	41.34 3.37 -0.13	47.59 4.01 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.80 2.34 0.00	32.54 2.38 0.00	28.79 2.28 0.00	26.53 1.93 -1.40

HUDSON_AVE_10 24168	23.82 1.29 -3.78	21.80 0.89 -6.61	20.26 0.75 -6.07	19.49 0.78 -5.48	19.44 0.76 -5.65	20.84 0.80 -6.45	21.77 1.05 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.84 2.14 -0.18	26.95 2.13 0.00	30.08 2.53 0.00	30.89 2.37 0.00	32.63 2.58 0.00	33.91 2.48 0.00	41.23 3.25 -0.13	47.46 3.88 0.00	44.84 3.28 0.00	40.31 2.85 0.00	36.70 2.24 0.00	32.45 2.29 0.00	28.77 2.25 0.00	26.48 1.88 -1.40
HUDSON___115KV_TB 4 355613	24.14 0.69 -4.70	23.01 0.49 -8.22	21.44 0.46 -7.55	20.48 0.44 -6.82	20.51 0.44 -7.03	22.09 0.48 -8.02	22.29 0.95 -4.95	24.61 0.91 -7.37	24.62 1.52 -2.56	24.93 1.40 -2.32	25.50 1.76 -0.21	26.63 1.81 0.00	29.67 2.12 0.00	30.69 2.17 0.00	32.45 2.40 0.00	33.81 2.39 0.00	40.85 3.06 0.06	46.85 3.27 0.00	43.51 1.95 0.00	39.41 1.95 0.00	36.24 1.90 0.12	31.72 1.57 0.00	27.84 1.33 0.00	25.36 1.16 -0.99
HUNTER MOUNT___DRP 323613	23.97 0.68 -4.54	22.72 0.47 -7.94	21.19 0.46 -7.30	20.25 0.44 -6.59	20.27 0.44 -6.80	21.82 0.48 -7.75	22.11 0.85 -4.87	24.36 0.82 -7.22	24.52 1.44 -2.54	24.76 1.27 -2.28	25.33 1.60 -0.21	26.46 1.64 0.00	29.48 1.93 0.00	30.52 2.00 0.00	32.27 2.22 0.00	33.62 2.20 0.00	40.63 2.84 0.04	46.55 2.96 0.00	43.60 2.04 0.00	39.56 2.10 0.00	36.51 2.14 0.09	31.81 1.66 0.00	27.89 1.38 0.00	25.53 1.23 -1.10
HUNTINGTON_RES_REC 323705	24.33 1.80 -3.78	22.62 1.40 -6.91	21.21 1.32 -6.46	19.94 1.23 -5.49	19.82 1.13 -5.66	21.36 1.30 -6.46	22.02 1.29 -4.34	23.93 1.47 -6.13	25.01 1.93 -2.54	25.33 2.18 -1.94	26.13 2.42 -0.18	27.32 2.51 0.00	32.39 2.98 -1.87	33.88 3.08 -2.28	33.39 3.34 -0.01	37.24 3.43 -2.39	47.71 4.13 -5.74	49.48 4.97 -0.93	45.89 4.28 -0.05	55.11 3.71 -13.94	38.10 3.48 -0.16	34.94 3.23 -1.56	32.31 2.89 -2.91	31.80 2.60 -6.01
HUNTLEY___63 23557	19.01 -0.30 -0.55	15.19 -0.09 -0.97	14.43 0.11 -0.89	14.20 0.17 -0.81	14.07 0.21 -0.83	14.70 0.16 -0.95	17.12 0.08 -0.66	17.09 -0.16 -0.93	20.25 -0.68 -0.38	21.42 -0.08 -0.29	23.36 -0.19 -0.03	25.02 0.20 0.00	27.19 -0.36 0.00	28.72 0.20 0.00	29.75 -0.30 0.00	31.52 0.09 0.00	37.69 -0.15 0.00	42.89 -0.70 0.00	40.90 -0.66 0.00	36.79 -0.67 0.00	34.32 -0.14 0.00	30.13 -0.03 0.00	26.38 -0.13 0.00	23.57 0.16 -0.21
HUNTLEY___64 23558	19.01 -0.30 -0.55	15.19 -0.09 -0.97	14.43 0.11 -0.89	14.20 0.17 -0.81	14.07 0.21 -0.83	14.70 0.16 -0.95	17.12 0.08 -0.66	17.09 -0.16 -0.93	20.25 -0.68 -0.38	21.42 -0.08 -0.29	23.36 -0.19 -0.03	25.02 0.20 0.00	27.19 -0.36 0.00	28.72 0.20 0.00	29.75 -0.30 0.00	31.52 0.09 0.00	37.69 -0.15 0.00	42.89 -0.70 0.00	40.90 -0.66 0.00	36.79 -0.67 0.00	34.32 -0.14 0.00	30.13 -0.03 0.00	26.38 -0.13 0.00	23.57 0.16 -0.21
HUNTLEY___65 23559	19.01 -0.30 -0.55	15.19 -0.09 -0.97	14.43 0.11 -0.89	14.20 0.17 -0.81	14.07 0.21 -0.83	14.70 0.16 -0.95	17.12 0.08 -0.66	17.09 -0.16 -0.93	20.25 -0.68 -0.38	21.42 -0.08 -0.29	23.36 -0.19 -0.03	25.02 0.20 0.00	27.19 -0.36 0.00	28.72 0.20 0.00	29.75 -0.30 0.00	31.52 0.09 0.00	37.69 -0.15 0.00	42.89 -0.70 0.00	40.90 -0.66 0.00	36.79 -0.67 0.00	34.32 -0.14 0.00	30.13 -0.03 0.00	26.38 -0.13 0.00	23.57 0.16 -0.21
HUNTLEY___66 23560	19.01 -0.30 -0.55	15.19 -0.09 -0.97	14.43 0.11 -0.89	14.20 0.17 -0.81	14.07 0.21 -0.83	14.70 0.16 -0.95	17.12 0.08 -0.66	17.09 -0.16 -0.93	20.25 -0.68 -0.38	21.42 -0.08 -0.29	23.36 -0.19 -0.03	25.02 0.20 0.00	27.19 -0.36 0.00	28.72 0.20 0.00	29.75 -0.30 0.00	31.52 0.09 0.00	37.69 -0.15 0.00	42.89 -0.70 0.00	40.90 -0.66 0.00	36.79 -0.67 0.00	34.32 -0.14 0.00	30.13 -0.03 0.00	26.38 -0.13 0.00	23.57 0.16 -0.21
HUNTLEY___67 23561	18.96 -0.36 -0.57	15.15 -0.14 -0.99	14.40 0.05 -0.91	14.17 0.12 -0.82	14.01 0.13 -0.85	14.67 0.11 -0.97	17.09 0.03 -0.67	17.09 -0.18 -0.94	20.23 -0.70 -0.39	21.36 -0.15 -0.30	23.29 -0.26 -0.03	24.92 0.10 0.00	27.05 -0.50 0.00	28.55 0.03 0.00	29.63 -0.42 0.00	31.39 -0.03 0.00	37.50 -0.34 0.00	42.62 -0.96 0.00	40.69 -0.87 0.00	36.64 -0.82 0.00	34.15 -0.31 0.00	29.88 -0.27 0.00	26.20 -0.32 0.00	23.39 -0.02 -0.21
HUNTLEY___68 23562	18.96 -0.36 -0.57	15.15 -0.14 -0.99	14.40 0.05 -0.91	14.17 0.12 -0.82	14.01 0.13 -0.85	14.67 0.11 -0.97	17.09 0.03 -0.67	17.09 -0.18 -0.94	20.23 -0.70 -0.39	21.36 -0.15 -0.30	23.29 -0.26 -0.03	24.92 0.10 0.00	27.05 -0.50 0.00	28.55 0.03 0.00	29.63 -0.42 0.00	31.39 -0.03 0.00	37.50 -0.34 0.00	42.62 -0.96 0.00	40.69 -0.87 0.00	36.64 -0.82 0.00	34.15 -0.31 0.00	29.88 -0.27 0.00	26.20 -0.32 0.00	23.39 -0.02 -0.21
HYLAND___LFGE 323620	20.22 0.86 -0.61	16.00 0.63 -1.06	15.03 0.62 -0.98	14.76 0.65 -0.88	14.61 0.66 -0.91	15.33 0.71 -1.04	17.89 0.79 -0.72	17.88 0.54 -1.02	21.19 0.23 -0.42	21.95 0.42 -0.32	24.19 0.64 -0.03	25.41 0.59 0.00	27.22 -0.33 0.00	27.95 -0.57 0.00	29.48 -0.57 0.00	31.83 0.41 0.00	38.33 0.49 0.00	43.85 0.26 0.00	42.10 0.54 0.00	38.59 1.12 0.00	36.05 1.59 0.00	31.57 1.42 0.00	28.79 2.28 0.00	25.05 1.62 -0.23
INDECK___CORINTH 23802	25.09 1.29 -5.04	24.13 1.00 -8.82	22.47 0.93 -8.11	21.45 0.90 -7.32	21.48 0.90 -7.55	23.17 0.97 -8.61	23.79 1.21 -6.20	25.70 1.18 -8.20	26.30 1.64 -4.12	25.69 1.89 -2.59	25.55 1.79 -0.24	26.68 1.86 0.00	29.62 2.07 0.00	30.63 2.11 0.00	32.45 2.40 0.00	33.75 2.33 0.00	40.33 2.65 0.16	46.85 3.27 0.00	44.97 3.41 0.00	40.76 3.30 0.00	37.98 3.41 -0.10	33.02 2.87 0.00	28.87 2.36 0.00	27.73 2.00 -2.54
INDECK___ILION 23567	18.73 -0.02 0.00	14.29 -0.01 0.00	13.41 -0.03 0.00	13.20 -0.03 0.00	13.02 -0.01 0.00	13.58 -0.01 0.00	16.38 0.00 0.00	16.34 0.02 0.00	20.56 0.02 0.00	21.27 0.06 0.00	23.67 0.14 0.00	25.02 0.20 0.00	27.74 0.19 0.00	28.72 0.20 0.00	30.11 0.06 0.00	31.49 0.06 0.00	37.95 0.11 0.00	43.67 0.09 0.00	41.64 0.08 0.00	37.54 0.07 0.00	34.56 0.10 0.00	30.19 0.03 0.00	26.51 0.00 0.00	23.20 0.00 0.00
INDECK___OLEAN 23982	18.84 -0.58 -0.66	15.00 -0.47 -1.16	14.11 -0.39 -1.07	13.89 -0.30 -0.96	13.75 -0.27 -0.99	14.44 -0.29 -1.13	16.79 -0.38 -0.79	16.96 -0.47 -1.11	20.24 -0.76 -0.46	21.24 -0.32 -0.35	23.98 0.42 -0.03	25.29 0.47 0.00	27.91 0.36 0.00	29.15 0.63 0.00	30.44 0.39 0.00	32.18 0.75 0.00	38.52 0.68 0.00	43.85 0.26 0.00	41.60 0.04 0.00	37.46 0.00 0.00	34.80 0.34 0.00	30.52 0.36 0.00	27.23 0.72 0.00	23.07 -0.37 -0.25
INDECK___OSWEGO 23783	18.75 -0.28 -0.28	14.61 -0.19 -0.49	13.72 -0.16 -0.45	13.47 -0.16 -0.40	13.30 -0.14 -0.42	13.93 -0.14 -0.47	16.47 -0.21 -0.30	16.53 -0.21 -0.42	20.35 -0.37 -0.17	20.92 -0.42 -0.13	23.09 -0.45 -0.01	24.37 -0.45 0.00	27.05 -0.50 0.00	27.78 -0.74 0.00	29.21 -0.84 0.00	30.64 -0.78 0.00	36.86 -0.98 0.00	42.36 -1.22 0.00	45.11 -0.95 -4.50	42.56 -0.82 -5.92	34.87 -0.73 -1.13	29.46 -0.69 0.00	26.14 -0.37 0.00	22.91 -0.39 -0.10



INDECK___YERKES 23781	18.99 -0.32 -0.55	15.06 -0.21 -0.97	14.26 -0.07 -0.89	14.03 0.00 -0.81	13.89 0.03 -0.83	14.52 -0.01 -0.95	16.89 -0.15 -0.66	16.89 -0.36 -0.93	20.25 -0.68 -0.38	21.40 -0.11 -0.29	23.79 0.24 -0.03	25.01 0.20 0.00	27.60 0.06 0.00	28.72 0.20 0.00	29.87 -0.18 0.00	31.52 0.09 0.00	37.65 -0.19 0.00	42.88 -0.70 0.00	40.85 -0.71 0.00	36.79 -0.67 0.00	34.25 -0.21 0.00	30.19 0.03 0.00	27.23 0.72 0.00	23.59 0.18 -0.21
INDIAN POINT_GT_1 24139	23.64 1.16 -3.73	21.64 0.82 -6.52	20.12 0.70 -5.99	19.35 0.71 -5.41	19.30 0.69 -5.58	20.67 0.72 -6.36	21.57 0.90 -4.28	23.35 0.98 -6.05	24.44 1.40 -2.51	24.77 1.65 -1.91	25.56 1.86 -0.18	26.70 1.89 0.00	29.75 2.20 0.00	30.63 2.11 0.00	32.39 2.34 0.00	33.69 2.26 0.00	40.85 2.88 -0.13	47.03 3.44 0.00	44.51 2.95 0.00	40.05 2.59 0.00	36.60 2.14 0.00	32.24 2.08 0.00	28.45 1.94 0.00	26.23 1.65 -1.38
INDIAN POINT_GT_2 23659	23.64 1.16 -3.73	21.64 0.82 -6.52	20.12 0.70 -5.99	19.35 0.71 -5.41	19.30 0.69 -5.58	20.67 0.72 -6.36	21.57 0.90 -4.28	23.35 0.98 -6.05	24.44 1.40 -2.51	24.77 1.65 -1.91	25.56 1.86 -0.18	26.70 1.89 0.00	29.75 2.20 0.00	30.63 2.11 0.00	32.39 2.34 0.00	33.69 2.26 0.00	40.85 2.88 -0.13	47.03 3.44 0.00	44.51 2.95 0.00	40.05 2.59 0.00	36.60 2.14 0.00	32.24 2.08 0.00	28.45 1.94 0.00	26.23 1.65 -1.38
INDIAN POINT_GT_3 24019	23.64 1.16 -3.73	21.64 0.82 -6.52	20.12 0.70 -5.99	19.35 0.71 -5.41	19.30 0.69 -5.58	20.67 0.72 -6.36	21.57 0.90 -4.28	23.35 0.98 -6.05	24.44 1.40 -2.51	24.77 1.65 -1.91	25.56 1.86 -0.18	26.70 1.89 0.00	29.75 2.20 0.00	30.63 2.11 0.00	32.39 2.34 0.00	33.69 2.26 0.00	40.85 2.88 -0.13	47.03 3.44 0.00	44.51 2.95 0.00	40.05 2.59 0.00	36.60 2.14 0.00	32.24 2.08 0.00	28.45 1.94 0.00	26.23 1.65 -1.38
INDIAN POINT___2 23530	23.56 1.14 -3.66	21.53 0.82 -6.40	20.06 0.74 -5.89	19.27 0.73 -5.31	19.22 0.70 -5.48	20.59 0.75 -6.25	21.54 0.95 -4.21	23.26 1.00 -5.94	24.38 1.38 -2.46	24.72 1.63 -1.88	25.46 1.77 -0.17	26.65 1.84 0.00	29.62 2.07 0.00	30.63 2.11 0.00	32.33 2.28 0.00	33.65 2.23 0.00	40.80 2.84 -0.13	46.94 3.36 0.00	44.43 2.87 0.00	39.98 2.51 0.00	36.56 2.10 0.00	32.18 2.02 0.00	28.24 1.72 0.00	26.18 1.62 -1.36
INDIAN POINT___3 23531	23.63 1.14 -3.73	21.63 0.80 -6.52	20.13 0.70 -6.00	19.34 0.70 -5.41	19.31 0.69 -5.58	20.68 0.72 -6.37	21.59 0.92 -4.29	23.34 0.96 -6.05	24.43 1.38 -2.51	24.75 1.63 -1.91	25.54 1.83 -0.18	26.65 1.84 0.00	29.73 2.18 0.00	30.60 2.08 0.00	32.33 2.28 0.00	33.62 2.20 0.00	40.81 2.84 -0.13	46.90 3.31 0.00	44.43 2.87 0.00	39.97 2.51 0.00	36.53 2.07 0.00	32.18 2.02 0.00	28.42 1.91 0.00	26.18 1.60 -1.38
INGHAM_C_115KV_TB7 356103	18.58 -0.17 0.00	14.18 -0.13 0.00	13.31 -0.12 0.00	13.09 -0.13 0.00	12.92 -0.12 0.00	13.47 -0.12 0.00	16.27 -0.11 0.00	16.22 -0.10 0.00	20.44 -0.10 0.00	21.17 -0.04 0.00	23.62 0.09 0.00	24.94 0.12 0.00	27.66 0.11 0.00	28.63 0.11 0.00	29.87 -0.18 0.00	31.27 -0.16 0.00	37.65 -0.19 0.00	43.32 -0.26 0.00	41.27 -0.29 0.00	37.20 -0.26 0.00	34.25 -0.21 0.00	29.95 -0.21 0.00	26.30 -0.21 0.00	23.01 -0.19 0.00
IP CORINTH___1 23988	25.09 1.29 -5.04	24.10 0.97 -8.82	22.44 0.90 -8.11	21.42 0.87 -7.32	21.46 0.87 -7.55	23.14 0.94 -8.61	23.78 1.20 -6.20	25.67 1.14 -8.20	26.30 1.64 -4.12	25.69 1.89 -2.59	25.60 1.83 -0.24	26.68 1.86 0.00	29.64 2.09 0.00	30.60 2.08 0.00	32.45 2.40 0.00	33.75 2.33 0.00	40.33 2.65 0.16	46.85 3.27 0.00	44.97 3.41 0.00	40.76 3.30 0.00	37.98 3.41 -0.10	33.02 2.86 0.00	28.95 2.44 0.00	27.74 2.00 -2.54
IP___TICONDEROGA 23804	25.81 2.03 -5.03	24.65 1.53 -8.81	22.94 1.41 -8.10	21.91 1.38 -7.31	21.95 1.38 -7.54	23.70 1.51 -8.60	24.53 1.92 -6.23	26.36 1.84 -8.19	27.36 2.63 -4.19	26.72 2.93 -2.59	26.84 3.08 -0.24	28.09 3.28 0.00	31.27 3.72 0.00	32.34 3.82 0.00	34.32 4.27 0.00	35.60 4.18 0.00	42.41 4.73 0.16	49.12 5.54 0.00	47.17 5.61 0.00	42.90 5.43 0.00	39.99 5.41 -0.12	34.74 4.58 0.00	30.33 3.82 0.00	28.92 3.11 -2.61
ISLIP_RES_REC 323679	24.65 2.12 -3.78	22.94 1.72 -6.91	21.49 1.62 -6.43	20.25 1.53 -5.49	20.15 1.46 -5.66	21.69 1.64 -6.46	22.32 1.59 -4.34	24.24 1.78 -6.13	25.40 2.32 -2.54	25.71 2.57 -1.94	26.50 2.80 -0.18	27.67 2.85 0.00	32.97 3.56 -1.87	34.53 3.74 -2.28	34.11 4.06 -0.01	37.79 4.08 -2.29	47.23 5.07 -4.32	50.54 6.06 -0.90	46.90 5.32 -0.02	50.41 4.61 -8.34	38.72 4.20 -0.06	35.63 3.92 -1.56	32.79 3.37 -2.91	32.24 3.04 -6.01
JAMAICA___27_KV_LOAD 355505	23.97 1.44 -3.78	21.89 0.97 -6.61	20.34 0.83 -6.07	19.57 0.86 -5.48	19.52 0.83 -5.65	20.94 0.90 -6.45	21.92 1.20 -4.34	23.78 1.32 -6.13	24.97 1.89 -2.54	25.35 2.21 -1.93	26.03 2.33 -0.18	27.15 2.33 0.00	30.22 2.67 0.00	31.06 2.54 0.00	32.84 2.79 0.00	34.09 2.67 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.18 3.62 0.00	40.61 3.15 0.00	36.94 2.48 0.00	32.63 2.47 0.00	29.03 2.52 0.00	26.69 2.09 -1.40
JANIS___SOLAR 323808	20.40 0.73 -0.92	16.47 0.56 -1.60	15.39 0.48 -1.47	15.03 0.48 -1.33	14.89 0.48 -1.37	15.70 0.54 -1.57	18.29 0.82 -1.09	18.64 0.78 -1.54	22.02 0.84 -0.64	22.61 0.91 -0.49	24.70 1.13 -0.04	26.08 1.26 0.00	28.93 1.38 0.00	30.03 1.51 0.00	31.40 1.35 0.00	33.24 1.82 0.00	40.19 2.35 0.00	46.38 2.79 0.00	45.00 2.54 -0.91	41.13 2.47 -1.19	37.06 2.38 -0.23	31.94 1.78 0.00	28.02 1.51 0.00	24.65 1.11 -0.34
JARVIS____ 23743	18.77 0.02 0.00	14.34 0.03 0.00	13.46 0.03 0.00	13.25 0.03 0.00	13.06 0.03 0.00	13.62 0.03 0.00	16.42 0.03 0.00	16.36 0.03 0.00	20.58 0.04 0.00	21.29 0.09 0.00	23.62 0.09 0.00	24.94 0.12 0.00	27.66 0.11 0.00	28.63 0.11 0.00	30.14 0.09 0.00	31.52 0.09 0.00	37.99 0.15 0.00	43.76 0.18 0.00	41.73 0.17 0.00	37.62 0.15 0.00	34.60 0.14 0.00	30.25 0.09 0.00	26.59 0.08 0.00	23.27 0.07 0.00
JENNISON___1 23625	20.77 0.86 -1.15	17.00 0.67 -2.02	15.89 0.60 -1.85	15.50 0.60 -1.67	15.34 0.59 -1.73	16.20 0.64 -1.97	18.64 0.90 -1.36	19.12 0.88 -1.91	22.38 1.05 -0.79	23.02 1.21 -0.60	25.04 1.46 -0.06	26.50 1.69 0.00	29.34 1.79 0.00	30.52 2.00 0.00	31.85 1.80 0.00	33.69 2.26 0.00	40.60 2.76 0.00	46.68 3.09 0.00	45.07 2.87 -0.64	40.96 2.66 -0.84	37.24 2.62 -0.16	32.09 1.93 0.00	28.05 1.54 0.00	24.90 1.28 -0.43
JENNISON___2 23626	20.77 0.86 -1.15	17.00 0.67 -2.02	15.89 0.60 -1.85	15.50 0.60 -1.67	15.34 0.59 -1.73	16.20 0.64 -1.97	18.64 0.90 -1.36	19.12 0.88 -1.91	22.38 1.05 -0.79	23.02 1.21 -0.60	25.04 1.46 -0.06	26.50 1.69 0.00	29.34 1.79 0.00	30.52 2.00 0.00	31.85 1.80 0.00	33.69 2.26 0.00	40.60 2.76 0.00	46.68 3.09 0.00	45.07 2.87 -0.64	40.96 2.66 -0.84	37.24 2.62 -0.16	32.09 1.93 0.00	28.05 1.54 0.00	24.90 1.28 -0.43

JERICO_RISE_WT_PWR 323719	18.40 -0.36 0.00	13.92 -0.39 0.00	12.98 -0.46 0.00	12.68 -0.54 0.00	12.43 -0.60 0.00	12.87 -0.72 0.00	15.51 -0.87 0.00	15.49 -0.83 0.00	19.62 -0.92 0.00	20.23 -0.98 0.00	22.47 -1.06 0.00	23.65 -1.17 0.00	26.31 -1.24 0.00	27.32 -1.20 0.00	29.12 -0.93 0.00	30.35 -1.07 0.00	36.74 -1.10 0.00	42.45 -1.13 0.00	40.73 -0.83 0.00	36.45 -1.01 0.00	33.43 -1.03 0.00	29.37 -0.78 0.00	25.72 -0.79 0.00	22.37 -0.83 0.00
KATONAH__115KV_46KV_TB4 355592	23.85 1.26 -3.84	21.91 0.89 -6.72	20.36 0.75 -6.18	19.56 0.75 -5.58	19.51 0.73 -5.75	20.90 0.75 -6.56	21.72 0.92 -4.42	23.57 1.01 -6.23	24.60 1.48 -2.58	24.94 1.76 -1.97	25.66 1.95 -0.18	26.88 2.06 0.00	29.95 2.40 0.00	30.83 2.31 0.00	32.63 2.58 0.00	33.94 2.51 0.00	41.15 3.18 -0.13	47.51 3.92 0.00	44.89 3.32 0.00	40.46 3.00 0.00	36.91 2.45 0.00	32.51 2.35 0.00	28.63 2.12 0.00	26.41 1.79 -1.42
KCE_NY_1 323755	24.90 1.13 -5.02	23.99 0.89 -8.79	22.34 0.82 -8.08	21.33 0.81 -7.30	21.37 0.81 -7.52	23.03 0.86 -8.58	23.72 1.06 -6.28	25.51 1.01 -8.18	26.22 1.40 -4.28	25.38 1.59 -2.58	25.41 1.65 -0.24	26.55 1.74 0.00	29.51 1.96 0.00	30.52 2.00 0.00	32.24 2.19 0.00	33.59 2.17 0.00	40.17 2.50 0.17	46.68 3.09 0.00	44.55 2.99 0.00	40.31 2.85 0.00	37.35 2.76 -0.13	32.51 2.35 0.00	28.48 1.96 0.00	27.61 1.72 -2.70
KCE_NY_6_ESR 323823	19.12 -0.22 -0.59	15.17 -0.17 -1.03	14.33 -0.05 -0.95	14.11 0.03 -0.86	13.96 0.04 -0.88	14.61 0.01 -1.01	17.00 -0.08 -0.70	17.06 -0.24 -0.99	20.44 -0.51 -0.41	21.56 0.04 -0.31	24.07 0.52 -0.03	25.34 0.52 0.00	27.96 0.41 0.00	29.12 0.60 0.00	30.29 0.24 0.00	31.99 0.57 0.00	38.26 0.42 0.00	43.58 0.00 0.00	41.48 -0.08 0.00	37.35 -0.11 0.00	34.73 0.27 0.00	30.46 0.30 0.00	27.42 0.90 0.00	23.63 0.21 -0.22
KEDC_PORT_JEFF_GT2 24210	24.48 1.95 -3.78	22.81 1.59 -6.91	21.38 1.50 -6.44	20.14 1.43 -5.49	20.03 1.34 -5.66	21.57 1.52 -6.46	22.19 1.46 -4.34	24.07 1.62 -6.13	25.14 2.05 -2.54	25.44 2.29 -1.94	26.24 2.54 -0.18	27.40 2.58 0.00	32.66 3.25 -1.87	34.22 3.42 -2.28	33.75 3.70 -0.01	37.40 3.67 -2.30	46.65 4.35 -4.46	49.72 5.23 -0.91	46.11 4.53 -0.02	50.40 4.05 -8.89	38.29 3.76 -0.07	35.24 3.53 -1.56	32.49 3.07 -2.91	32.01 2.81 -6.01
KEDC_PORT_JEFF_GT3 24211	24.48 1.95 -3.78	22.81 1.59 -6.91	21.38 1.50 -6.44	20.14 1.43 -5.49	20.03 1.34 -5.66	21.57 1.52 -6.46	22.19 1.46 -4.34	24.07 1.62 -6.13	25.14 2.05 -2.54	25.44 2.29 -1.94	26.24 2.54 -0.18	27.40 2.58 0.00	32.66 3.25 -1.87	34.22 3.42 -2.28	33.75 3.70 -0.01	37.40 3.67 -2.30	46.65 4.35 -4.46	49.72 5.23 -0.91	46.11 4.53 -0.02	50.40 4.05 -8.89	38.29 3.76 -0.07	35.24 3.53 -1.56	32.49 3.07 -2.91	32.01 2.81 -6.01
KEDC_GLWD_GT4 24219	24.07 1.54 -3.78	22.24 1.13 -6.80	20.76 1.03 -6.29	19.72 1.00 -5.49	19.64 0.95 -5.66	21.11 1.06 -6.46	21.96 1.23 -4.34	23.78 1.32 -6.13	24.87 1.79 -2.54	25.20 2.06 -1.94	26.03 2.33 -0.18	27.25 2.43 0.00	32.09 2.67 -1.87	33.42 2.62 -2.28	32.91 2.86 -0.01	36.45 2.80 -2.23	43.63 3.52 -2.27	48.66 4.18 -0.89	45.23 3.66 -0.01	40.61 3.15 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.62 2.20 -2.91	31.39 2.18 -6.01
KEDC_GLWD_GT5 24220	24.07 1.54 -3.78	22.24 1.13 -6.80	20.76 1.03 -6.29	19.72 1.00 -5.49	19.64 0.95 -5.66	21.11 1.06 -6.46	21.96 1.23 -4.34	23.78 1.32 -6.13	24.87 1.79 -2.54	25.20 2.06 -1.94	26.03 2.33 -0.18	27.25 2.43 0.00	32.09 2.67 -1.87	33.42 2.62 -2.28	32.91 2.86 -0.01	36.45 2.80 -2.23	43.63 3.52 -2.27	48.66 4.18 -0.89	45.23 3.66 -0.01	40.61 3.15 0.00	37.18 2.72 0.00	34.25 2.53 -1.56	31.62 2.20 -2.91	31.39 2.18 -6.01
KENSICO____ 23655	23.74 1.22 -3.77	21.75 0.86 -6.59	20.23 0.74 -6.06	19.45 0.75 -5.47	19.41 0.74 -5.64	20.80 0.77 -6.43	21.70 0.98 -4.33	23.48 1.04 -6.11	24.55 1.48 -2.53	24.90 1.76 -1.93	25.68 1.98 -0.18	26.80 1.99 0.00	29.89 2.34 0.00	30.74 2.22 0.00	32.48 2.43 0.00	33.78 2.36 0.00	41.00 3.03 -0.13	47.16 3.57 0.00	44.64 3.08 0.00	40.20 2.73 0.00	36.70 2.24 0.00	32.36 2.20 0.00	28.58 2.07 0.00	26.34 1.74 -1.40
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	23.32 1.09 -3.48	21.12 0.73 -6.09	19.65 0.62 -5.60	18.91 0.63 -5.05	18.85 0.61 -5.21	20.20 0.67 -5.94	21.19 0.82 -3.99	22.80 0.85 -5.63	24.11 1.23 -2.33	24.43 1.44 -1.78	25.36 1.67 -0.16	26.53 1.71 0.00	29.56 2.01 0.00	30.52 2.00 0.00	32.18 2.13 0.00	33.53 2.11 0.00	40.67 2.76 -0.07	46.63 3.05 0.00	44.26 2.70 0.00	39.90 2.44 0.00	36.45 2.00 0.01	32.06 1.90 0.00	28.24 1.72 0.00	25.88 1.46 -1.22
KIAC_JFK_GT1 23816	23.86 1.33 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.87 0.83 -6.45	21.84 1.11 -4.34	23.69 1.24 -6.13	24.87 1.79 -2.54	25.24 2.10 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	29.97 2.42 0.00	30.77 2.25 0.00	32.57 2.52 0.00	33.81 2.39 0.00	41.15 3.18 -0.13	47.38 3.79 0.00	44.80 3.24 0.00	40.27 2.81 0.00	36.63 2.17 0.00	32.36 2.20 0.00	28.90 2.39 0.00	26.57 1.97 -1.40
KIAC_JFK_GT2 23817	23.86 1.33 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.87 0.83 -6.45	21.84 1.11 -4.34	23.69 1.24 -6.13	24.87 1.79 -2.54	25.24 2.10 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	29.97 2.42 0.00	30.77 2.25 0.00	32.57 2.52 0.00	33.81 2.39 0.00	41.15 3.18 -0.13	47.38 3.79 0.00	44.80 3.24 0.00	40.27 2.81 0.00	36.63 2.17 0.00	32.36 2.20 0.00	28.90 2.39 0.00	26.57 1.97 -1.40
KIAC_JFK____ 323774	23.86 1.33 -3.78	21.84 0.93 -6.61	20.35 0.85 -6.07	19.54 0.83 -5.48	19.48 0.80 -5.65	20.91 0.87 -6.45	21.89 1.16 -4.34	23.73 1.27 -6.13	24.87 1.79 -2.54	25.24 2.10 -1.93	25.80 2.09 -0.18	27.00 2.18 0.00	29.81 2.26 0.00	30.80 2.28 0.00	32.54 2.49 0.00	33.81 2.39 0.00	41.15 3.18 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.70 2.24 0.00	32.33 2.17 0.00	28.50 1.99 0.00	26.60 2.00 -1.40
KINTIGH____ 23543	19.00 -0.24 -0.49	15.09 -0.07 -0.85	14.32 0.11 -0.78	14.08 0.15 -0.71	13.92 0.16 -0.73	14.57 0.15 -0.83	17.07 0.11 -0.57	17.05 -0.08 -0.81	20.36 -0.51 -0.34	21.42 -0.04 -0.26	23.19 -0.35 -0.02	24.77 -0.05 0.00	26.94 -0.61 0.00	28.32 -0.20 0.00	29.45 -0.60 0.00	31.17 -0.25 0.00	37.27 -0.57 0.00	42.45 -1.13 0.00	40.52 -1.04 0.00	36.49 -0.97 0.00	33.98 -0.48 0.00	29.70 -0.45 0.00	26.06 -0.45 0.00	23.40 0.02 -0.18
KNTFSRNC_46_KV_46KV_LOAD 80397	18.57 -0.19 0.00	14.04 -0.27 0.00	13.08 -0.35 0.00	12.79 -0.44 0.00	12.52 -0.51 0.00	12.97 -0.63 0.00	15.63 -0.75 0.00	15.60 -0.72 0.00	19.80 -0.74 0.00	20.45 -0.76 0.00	22.72 -0.80 0.00	23.92 -0.89 0.00	26.64 -0.91 0.00	27.61 -0.91 0.00	29.45 -0.60 0.00	30.70 -0.72 0.00	37.20 -0.64 0.00	43.06 -0.52 0.00	41.27 -0.29 0.00	36.90 -0.56 0.00	33.84 -0.62 0.00	29.76 -0.39 0.00	26.04 -0.48 0.00	22.60 -0.60 0.00

LACHUTE___HYDRO 323717	25.81 2.03 -5.03	24.68 1.56 -8.81	22.96 1.42 -8.10	21.94 1.40 -7.31	21.97 1.40 -7.54	23.71 1.52 -8.60	24.55 1.93 -6.23	26.38 1.86 -8.19	27.36 2.63 -4.19	26.72 2.93 -2.59	26.82 3.06 -0.24	28.09 3.28 0.00	31.24 3.69 0.00	32.34 3.82 0.00	34.32 4.27 0.00	35.60 4.18 0.00	42.40 4.73 0.16	49.12 5.54 0.00	47.17 5.61 0.00	42.90 5.43 0.00	39.99 5.41 -0.12	34.74 4.58 0.00	30.30 3.79 0.00	28.91 3.11 -2.60
LAWRNCAV_115KV_TB1 80681	18.19 -0.56 0.00	13.84 -0.47 0.00	12.95 -0.48 0.00	12.72 -0.50 0.00	12.51 -0.52 0.00	12.95 -0.64 0.00	15.56 -0.82 0.00	15.47 -0.85 0.00	19.47 -1.07 0.00	19.98 -1.23 0.00	22.23 -1.29 0.00	23.40 -1.41 0.00	26.06 -1.49 0.00	27.01 -1.51 0.00	28.52 -1.53 0.00	29.82 -1.60 0.00	35.99 -1.85 0.00	41.53 -2.05 0.00	40.27 -1.58 -0.29	36.45 -1.39 -0.37	33.22 -1.31 -0.07	29.10 -1.06 0.00	25.74 -0.77 0.00	22.60 -0.60 0.00
LEDERLE___ 23769	23.52 1.18 -3.59	21.42 0.83 -6.28	19.92 0.71 -5.77	19.17 0.73 -5.21	19.11 0.70 -5.38	20.47 0.75 -6.13	21.46 0.95 -4.13	23.16 1.01 -5.83	24.39 1.44 -2.41	24.74 1.70 -1.84	25.60 1.91 -0.17	26.75 1.94 0.00	29.84 2.29 0.00	30.74 2.22 0.00	32.48 2.43 0.00	33.78 2.36 0.00	40.99 3.03 -0.12	47.03 3.44 0.00	44.55 2.99 0.00	40.09 2.62 0.00	36.63 2.17 0.00	32.27 2.11 0.00	28.48 1.96 0.00	26.15 1.62 -1.33
LIGHTHSE_115KV_TB6 355974	18.95 -0.06 -0.26	14.76 0.00 -0.45	13.83 -0.01 -0.41	13.59 -0.01 -0.37	13.40 -0.01 -0.38	14.04 0.01 -0.44	16.72 0.05 -0.29	16.78 0.05 -0.41	20.65 -0.06 -0.17	21.27 -0.06 -0.13	23.44 -0.09 -0.01	24.82 0.00 0.00	27.47 -0.08 0.00	28.55 0.03 0.00	29.93 -0.12 0.00	31.45 0.03 0.00	37.84 0.00 0.00	43.54 -0.04 0.00	44.04 0.04 0.00	40.78 0.11 0.00	35.35 0.28 -0.61	30.22 0.06 0.00	26.51 0.00 0.00	23.32 0.02 -0.10
LINDEN COGEN___ 23786	23.75 1.22 -3.78	21.76 0.84 -6.61	20.27 0.77 -6.07	19.46 0.75 -5.48	19.42 0.73 -5.65	20.83 0.79 -6.45	21.74 1.02 -4.34	23.55 1.09 -6.13	24.62 1.54 -2.54	24.99 1.84 -1.93	25.68 1.98 -0.18	26.88 2.06 0.00	29.83 2.29 0.00	30.80 2.28 0.00	32.45 2.40 0.00	33.75 2.33 0.00	41.00 3.03 -0.13	47.24 3.66 0.00	44.64 3.08 0.00	40.09 2.62 0.00	36.56 2.10 0.00	32.27 2.11 0.00	28.37 1.86 0.00	26.36 1.76 -1.40
LINDHRST_69_KV_BK1 356055	24.61 2.08 -3.78	22.77 1.57 -6.89	21.25 1.42 -6.40	20.06 1.35 -5.49	19.98 1.29 -5.66	21.51 1.47 -6.45	22.28 1.56 -4.34	24.19 1.73 -6.13	25.38 2.30 -2.54	25.71 2.57 -1.94	26.71 3.01 -0.18	27.87 3.05 0.00	33.08 3.66 -1.87	34.48 3.68 -2.28	34.02 3.97 0.00	37.56 3.90 -2.24	45.46 4.92 -2.70	50.32 5.84 -0.89	46.76 5.20 0.00	44.09 4.42 -2.20	38.33 3.86 -0.01	35.48 3.77 -1.56	32.87 3.45 -2.91	32.08 2.88 -6.01
LIPA_MISC_IPP 23656	24.37 1.84 -3.78	22.78 1.56 -6.91	21.32 1.45 -6.44	20.06 1.35 -5.49	19.99 1.30 -5.66	21.54 1.50 -6.45	22.02 1.29 -4.34	23.94 1.49 -6.13	25.05 1.97 -2.54	25.35 2.21 -1.94	26.29 2.59 -0.18	27.37 2.56 0.00	32.64 3.22 -1.87	34.05 3.25 -2.28	33.60 3.55 0.00	37.14 3.43 -2.29	45.56 4.39 -3.33	49.76 5.27 -0.90	46.18 4.61 -0.01	49.41 3.86 -8.08	37.86 3.34 -0.06	35.09 3.38 -1.56	32.50 3.08 -2.91	31.85 2.64 -6.01
LISF___SOLAR 323691	24.39 1.86 -3.78	22.81 1.59 -6.91	21.39 1.52 -6.44	20.15 1.44 -5.49	20.06 1.37 -5.66	21.60 1.55 -6.46	22.09 1.36 -4.34	23.97 1.52 -6.13	25.10 2.01 -2.54	25.37 2.23 -1.94	26.22 2.52 -0.18	27.40 2.58 0.00	32.58 3.17 -1.87	34.16 3.36 -2.28	33.60 3.54 -0.01	37.20 3.49 -2.29	46.55 4.43 -4.28	49.85 5.36 -0.90	46.27 4.69 -0.02	49.69 4.05 -8.18	38.14 3.62 -0.06	35.12 3.41 -1.56	32.34 2.92 -2.91	31.90 2.69 -6.01
LITTLE FALLS___HYD 24013	18.58 -0.17 0.00	14.18 -0.13 0.00	13.31 -0.12 0.00	13.09 -0.13 0.00	12.92 -0.12 0.00	13.47 -0.12 0.00	16.27 -0.11 0.00	16.22 -0.10 0.00	20.44 -0.10 0.00	21.17 -0.04 0.00	23.62 0.09 0.00	24.94 0.12 0.00	27.66 0.11 0.00	28.63 0.11 0.00	29.87 -0.18 0.00	31.27 -0.16 0.00	37.65 -0.19 0.00	43.32 -0.26 0.00	41.27 -0.29 0.00	37.20 -0.26 0.00	34.25 -0.21 0.00	29.95 -0.21 0.00	26.30 -0.21 0.00	23.01 -0.19 0.00
LITTLRIV_115KV_TB1 356100	18.30 -0.45 0.00	13.92 -0.39 0.00	13.02 -0.42 0.00	12.79 -0.44 0.00	12.59 -0.44 0.00	13.05 -0.54 0.00	15.71 -0.67 0.00	15.62 -0.70 0.00	19.64 -0.90 0.00	20.15 -1.06 0.00	22.49 -1.04 0.00	23.70 -1.12 0.00	26.42 -1.13 0.00	27.38 -1.14 0.00	28.82 -1.23 0.00	30.13 -1.29 0.00	36.40 -1.44 0.00	41.93 -1.66 0.00	40.70 -1.16 -0.31	36.86 -1.01 -0.40	33.64 -0.90 -0.08	29.37 -0.78 0.00	25.98 -0.53 0.00	22.78 -0.42 0.00
LI_NEWBRDGE___DRP 323616	24.05 1.52 -3.78	22.36 1.13 -6.92	20.88 1.01 -6.44	19.66 0.95 -5.49	19.60 0.91 -5.66	21.09 1.05 -6.45	21.83 1.10 -4.34	23.71 1.26 -6.13	24.77 1.68 -2.54	25.07 1.93 -1.94	26.01 2.31 -0.18	27.10 2.28 0.00	32.11 2.70 -1.87	33.39 2.60 -2.28	32.93 2.88 0.00	36.42 2.77 -2.23	43.59 3.48 -2.27	48.62 4.14 -0.89	45.22 3.66 0.00	40.57 3.11 0.00	37.04 2.58 0.00	34.34 2.62 -1.56	31.97 2.55 -2.91	31.34 2.13 -6.01
LOCKPORT_115KV_TB60_63_64 80432	18.93 -0.36 -0.53	15.09 -0.14 -0.93	14.34 0.05 -0.85	14.10 0.11 -0.77	13.96 0.13 -0.79	14.61 0.11 -0.91	17.04 0.03 -0.63	17.01 -0.20 -0.89	20.19 -0.72 -0.37	21.34 -0.15 -0.28	23.22 -0.33 -0.03	24.87 0.05 0.00	27.00 -0.55 0.00	28.49 -0.03 0.00	29.51 -0.54 0.00	31.30 -0.13 0.00	37.39 -0.45 0.00	42.54 -1.05 0.00	40.65 -0.91 0.00	36.60 -0.86 0.00	34.15 -0.31 0.00	29.85 -0.30 0.00	26.17 -0.34 0.00	23.42 0.02 -0.20
LOCKPORT___CC1 323769	18.93 -0.36 -0.53	14.97 -0.27 -0.94	14.17 -0.12 -0.86	13.96 -0.04 -0.78	13.81 -0.03 -0.80	14.44 -0.07 -0.91	16.84 -0.18 -0.63	16.82 -0.39 -0.89	20.19 -0.72 -0.37	21.32 -0.17 -0.28	23.67 0.12 -0.03	24.87 0.05 0.00	27.41 -0.14 0.00	28.49 -0.03 0.00	29.60 -0.45 0.00	31.27 -0.16 0.00	37.35 -0.49 0.00	42.50 -1.09 0.00	40.56 -1.00 0.00	36.57 -0.90 0.00	34.05 -0.41 0.00	29.88 -0.27 0.00	26.99 0.48 0.00	23.40 0.00 -0.20
LOCKPORT___CC2 323770	18.93 -0.36 -0.53	14.97 -0.27 -0.94	14.17 -0.12 -0.86	13.96 -0.04 -0.78	13.81 -0.03 -0.80	14.44 -0.07 -0.91	16.84 -0.18 -0.63	16.82 -0.39 -0.89	20.19 -0.72 -0.37	21.32 -0.17 -0.28	23.67 0.12 -0.03	24.87 0.05 0.00	27.41 -0.14 0.00	28.49 -0.03 0.00	29.60 -0.45 0.00	31.27 -0.16 0.00	37.35 -0.49 0.00	42.50 -1.09 0.00	40.56 -1.00 0.00	36.57 -0.90 0.00	34.05 -0.41 0.00	29.88 -0.27 0.00	26.99 0.48 0.00	23.40 0.00 -0.20
LOCKPORT___CC3 323771	18.93 -0.36 -0.53	14.97 -0.27 -0.94	14.17 -0.12 -0.86	13.96 -0.04 -0.78	13.81 -0.03 -0.80	14.44 -0.07 -0.91	16.84 -0.18 -0.63	16.82 -0.39 -0.89	20.19 -0.72 -0.37	21.32 -0.17 -0.28	23.67 0.12 -0.03	24.87 0.05 0.00	27.41 -0.14 0.00	28.49 -0.03 0.00	29.60 -0.45 0.00	31.27 -0.16 0.00	37.35 -0.49 0.00	42.50 -1.09 0.00	40.56 -1.00 0.00	36.57 -0.90 0.00	34.05 -0.41 0.00	29.88 -0.27 0.00	26.99 0.48 0.00	23.40 0.00 -0.20

LONG_LAKE_PHOENIX 24014	18.85 -0.19 -0.29	14.72 -0.09 -0.50	13.83 -0.07 -0.46	13.58 -0.07 -0.42	13.40 -0.07 -0.43	14.04 -0.04 -0.49	16.64 -0.07 -0.32	16.70 -0.07 -0.45	20.50 -0.23 -0.19	21.10 -0.25 -0.14	23.25 -0.28 -0.01	24.59 -0.22 0.00	27.25 -0.30 0.00	28.32 -0.20 0.00	29.69 -0.36 0.00	31.17 -0.25 0.00	37.50 -0.34 0.00	43.06 -0.52 0.00	44.56 -0.42 -3.41	41.61 -0.34 -4.49	35.05 -0.28 -0.86	29.85 -0.30 0.00	26.22 -0.29 0.00	23.07 -0.23 -0.11
LOVETT___3 23632	23.47 1.11 -3.61	21.40 0.77 -6.32	19.91 0.67 -5.81	19.16 0.69 -5.24	19.10 0.66 -5.41	20.46 0.71 -6.17	21.42 0.88 -4.15	23.13 0.95 -5.86	24.33 1.36 -2.43	24.67 1.61 -1.85	25.48 1.79 -0.17	26.63 1.81 0.00	29.70 2.15 0.00	30.57 2.05 0.00	32.30 2.25 0.00	33.62 2.20 0.00	40.76 2.80 -0.12	46.85 3.27 0.00	44.35 2.78 0.00	39.94 2.47 0.00	36.49 2.03 0.00	32.15 1.99 0.00	28.37 1.86 0.00	26.09 1.55 -1.34
LOVETT___4 23642	23.47 1.11 -3.61	21.40 0.77 -6.32	19.91 0.67 -5.81	19.16 0.69 -5.24	19.10 0.66 -5.41	20.46 0.71 -6.17	21.42 0.88 -4.15	23.13 0.95 -5.86	24.33 1.36 -2.43	24.67 1.61 -1.85	25.48 1.79 -0.17	26.63 1.81 0.00	29.70 2.15 0.00	30.57 2.05 0.00	32.30 2.25 0.00	33.62 2.20 0.00	40.76 2.80 -0.12	46.85 3.27 0.00	44.35 2.78 0.00	39.94 2.47 0.00	36.49 2.03 0.00	32.15 1.99 0.00	28.37 1.86 0.00	26.09 1.55 -1.34
LOVETT___5 23593	23.47 1.11 -3.61	21.40 0.77 -6.32	19.91 0.67 -5.81	19.16 0.69 -5.24	19.10 0.66 -5.41	20.46 0.71 -6.17	21.42 0.88 -4.15	23.13 0.95 -5.86	24.33 1.36 -2.43	24.67 1.61 -1.85	25.48 1.79 -0.17	26.63 1.81 0.00	29.70 2.15 0.00	30.57 2.05 0.00	32.30 2.25 0.00	33.62 2.20 0.00	40.76 2.80 -0.12	46.85 3.27 0.00	44.35 2.78 0.00	39.94 2.47 0.00	36.49 2.03 0.00	32.15 1.99 0.00	28.37 1.86 0.00	26.09 1.55 -1.34
LOWER RAQUET___HYD 24057	18.17 -0.58 0.00	13.81 -0.50 0.00	12.92 -0.51 0.00	12.70 -0.53 0.00	12.50 -0.53 0.00	12.91 -0.68 0.00	15.51 -0.87 0.00	15.41 -0.91 0.00	19.35 -1.19 0.00	19.85 -1.36 0.00	22.07 -1.46 0.00	23.28 -1.54 0.00	25.92 -1.63 0.00	26.87 -1.65 0.00	28.37 -1.68 0.00	29.66 -1.76 0.00	35.83 -2.01 0.00	41.27 -2.31 0.00	40.14 -1.74 -0.33	36.36 -1.54 -0.43	33.10 -1.45 -0.08	28.98 -1.18 0.00	25.66 -0.85 0.00	22.58 -0.63 0.00
LOWER___HUDSON 24059	24.50 0.82 -4.92	23.58 0.66 -8.61	21.97 0.62 -7.92	20.98 0.61 -7.15	21.01 0.61 -7.37	22.63 0.64 -8.40	24.00 0.80 -6.81	25.11 0.75 -8.03	26.97 1.03 -5.40	24.95 1.21 -2.54	25.03 1.27 -0.23	26.13 1.31 0.00	29.01 1.46 0.00	29.97 1.45 0.00	31.67 1.62 0.00	32.96 1.54 0.00	39.40 1.78 0.22	45.85 2.26 0.00	43.68 2.12 0.00	39.45 1.98 0.00	36.69 1.93 -0.30	31.81 1.66 0.00	27.86 1.35 0.00	28.23 1.28 -3.75
LOWVILLE_115KV_TB2 356335	18.90 0.02 -0.13	14.55 0.01 -0.23	13.60 -0.04 -0.21	13.36 -0.05 -0.19	13.18 -0.05 -0.20	13.79 -0.03 -0.22	16.59 0.05 -0.15	16.59 0.05 -0.22	20.63 0.00 -0.09	21.21 -0.06 -0.07	23.53 0.00 -0.01	24.92 0.10 0.00	27.60 0.06 0.00	28.63 0.11 0.00	30.17 0.12 0.00	31.80 0.38 0.00	38.63 0.79 0.00	44.50 0.92 0.00	43.33 1.04 -0.73	39.51 1.09 -0.96	35.82 1.17 -0.18	30.82 0.66 0.00	27.02 0.50 0.00	23.69 0.44 -0.05
LUTHERFT_115KV_GLOB_FND_222 355753	24.90 1.13 -5.02	23.94 0.84 -8.79	22.31 0.79 -8.08	21.29 0.77 -7.30	21.33 0.77 -7.52	22.99 0.82 -8.58	23.68 1.02 -6.28	25.46 0.96 -8.18	26.20 1.38 -4.28	25.38 1.59 -2.58	25.43 1.67 -0.24	26.53 1.71 0.00	29.53 1.98 0.00	30.49 1.97 0.00	32.24 2.19 0.00	33.56 2.14 0.00	40.13 2.46 0.17	46.63 3.05 0.00	44.51 2.95 0.00	40.27 2.81 0.00	37.31 2.72 -0.13	32.51 2.35 0.00	28.56 2.04 0.00	27.62 1.72 -2.70
LUTHERNY_35_KV_BK2 355980	24.90 1.13 -5.02	23.94 0.84 -8.79	22.31 0.79 -8.08	21.30 0.78 -7.30	21.34 0.78 -7.52	23.00 0.83 -8.58	23.69 1.03 -6.28	25.48 0.98 -8.18	26.22 1.40 -4.28	25.38 1.59 -2.58	25.46 1.69 -0.24	26.55 1.74 0.00	29.53 1.98 0.00	30.49 1.97 0.00	32.27 2.22 0.00	33.59 2.17 0.00	40.17 2.50 0.17	46.68 3.09 0.00	44.51 2.95 0.00	40.31 2.85 0.00	37.35 2.76 -0.13	32.51 2.35 0.00	28.56 2.04 0.00	27.62 1.72 -2.70
LWR___OSWEGATCHIE_HYD 23850	18.57 -0.28 -0.10	14.23 -0.24 -0.17	13.31 -0.28 -0.15	13.08 -0.29 -0.14	12.88 -0.30 -0.14	13.40 -0.35 -0.16	16.07 -0.43 -0.11	16.04 -0.44 -0.16	20.01 -0.60 -0.07	20.56 -0.70 -0.05	22.82 -0.71 0.00	24.12 -0.69 0.00	26.78 -0.77 0.00	27.78 -0.74 0.00	29.27 -0.78 0.00	30.73 -0.69 0.00	37.20 -0.64 0.00	42.89 -0.70 0.00	41.78 -0.42 -0.63	38.04 -0.26 -0.83	34.48 -0.14 -0.16	29.88 -0.27 0.00	26.35 -0.16 0.00	23.14 -0.09 -0.04
LYONS_FALL_HYD 23570	19.01 0.13 -0.12	14.61 0.09 -0.22	13.67 0.04 -0.20	13.43 0.03 -0.18	13.26 0.04 -0.19	13.86 0.05 -0.21	16.69 0.16 -0.15	16.69 0.16 -0.21	20.81 0.18 -0.09	21.44 0.17 -0.07	23.84 0.31 -0.01	25.19 0.37 0.00	27.93 0.39 0.00	28.97 0.45 0.00	30.44 0.39 0.00	32.02 0.60 0.00	38.82 0.98 0.00	44.71 1.13 0.00	43.22 1.12 -0.53	39.29 1.12 -0.70	35.73 1.14 -0.13	30.88 0.72 0.00	27.10 0.58 0.00	23.71 0.46 -0.05
MADISON___COUNTY_LFGE 323628	19.36 0.39 -0.21	14.99 0.31 -0.37	14.04 0.27 -0.34	13.78 0.25 -0.31	13.61 0.26 -0.32	14.25 0.30 -0.36	17.08 0.44 -0.25	17.15 0.47 -0.36	21.25 0.55 -0.15	21.94 0.62 -0.11	24.31 0.78 -0.01	25.76 0.94 0.00	28.54 0.99 0.00	29.63 1.11 0.00	31.04 0.99 0.00	32.65 1.23 0.00	39.39 1.55 0.00	45.33 1.74 0.00	43.70 1.58 -0.56	39.67 1.46 -0.74	36.05 1.45 -0.14	31.12 0.96 0.00	27.26 0.74 0.00	23.90 0.63 -0.08
MALONE___115KV_TB1 356076	18.42 -0.34 0.00	13.94 -0.37 0.00	13.00 -0.43 0.00	12.72 -0.50 0.00	12.47 -0.56 0.00	12.91 -0.68 0.00	15.56 -0.82 0.00	15.52 -0.80 0.00	19.66 -0.88 0.00	20.25 -0.95 0.00	22.56 -0.96 0.00	23.70 -1.12 0.00	26.39 -1.16 0.00	27.38 -1.14 0.00	29.15 -0.90 0.00	30.39 -1.04 0.00	36.78 -1.06 0.00	42.54 -1.05 0.00	40.77 -0.79 0.00	36.57 -0.90 0.00	33.56 -0.90 0.00	29.49 -0.66 0.00	25.88 -0.64 0.00	22.55 -0.65 0.00
MAPLEWOD_115KV_TB3 80458	24.43 0.77 -4.91	23.46 0.56 -8.60	21.86 0.52 -7.90	20.86 0.50 -7.13	20.90 0.51 -7.36	22.51 0.53 -8.39	22.13 0.64 -5.11	24.93 0.64 -7.97	23.79 0.92 -2.33	24.83 1.10 -2.52	25.00 1.25 -0.23	26.08 1.27 0.00	29.04 1.49 0.00	29.95 1.43 0.00	31.67 1.62 0.00	32.93 1.51 0.00	39.43 1.74 0.15	45.76 2.18 0.00	43.56 1.99 0.00	39.38 1.91 0.00	36.11 1.79 0.14	31.69 1.54 0.00	27.89 1.38 0.00	25.28 1.16 -0.92
MAPLE RIDGE_WT_1 323574	17.89 -0.86 0.00	13.61 -0.70 0.00	12.75 -0.68 0.00	12.54 -0.69 0.00	12.37 -0.66 0.00	12.91 -0.68 0.00	15.60 -0.79 0.00	15.62 -0.70 0.00	19.76 -0.78 0.00	20.53 -0.68 0.00	22.89 -0.63 0.00	24.22 -0.60 0.00	26.89 -0.66 0.00	27.81 -0.71 0.00	29.33 -0.72 0.00	30.76 -0.66 0.00	37.16 -0.68 0.00	42.97 -0.61 0.00	41.02 -0.54 0.00	36.79 -0.67 0.00	33.67 -0.79 0.00	29.34 -0.81 0.00	25.66 -0.85 0.00	22.39 -0.81 0.00

MAPLE_RIDGE_WT_2 323611	17.89 -0.86 0.00	13.61 -0.70 0.00	12.75 -0.68 0.00	12.54 -0.69 0.00	12.37 -0.66 0.00	12.91 -0.68 0.00	15.60 -0.79 0.00	15.62 -0.70 0.00	19.76 -0.78 0.00	20.53 -0.68 0.00	22.89 -0.63 0.00	24.22 -0.60 0.00	26.89 -0.66 0.00	27.81 -0.71 0.00	29.33 -0.72 0.00	30.76 -0.66 0.00	37.16 -0.68 0.00	42.97 -0.61 0.00	41.02 -0.54 0.00	36.79 -0.67 0.00	33.67 -0.79 0.00	29.34 -0.81 0.00	25.66 -0.85 0.00	22.39 -0.81 0.00
MARBLE_RIVER_WT_PWR 323696	18.45 -0.30 0.00	13.95 -0.36 0.00	13.02 -0.42 0.00	12.71 -0.52 0.00	12.45 -0.59 0.00	12.90 -0.69 0.00	15.55 -0.83 0.00	15.51 -0.82 0.00	19.64 -0.90 0.00	20.28 -0.93 0.00	22.51 -1.01 0.00	23.73 -1.09 0.00	26.39 -1.16 0.00	27.38 -1.14 0.00	29.21 -0.84 0.00	30.45 -0.97 0.00	36.86 -0.98 0.00	42.58 -1.00 0.00	40.85 -0.71 0.00	36.57 -0.90 0.00	33.53 -0.93 0.00	29.49 -0.66 0.00	25.80 -0.71 0.00	22.44 -0.77 0.00
MARSHVLE_115KV_TB1 80742	26.30 1.48 -6.06	26.08 1.16 -10.61	24.26 1.07 -9.75	23.09 1.06 -8.80	23.17 1.06 -9.08	25.10 1.16 -10.35	24.80 1.44 -6.98	27.56 1.39 -9.85	26.47 1.85 -4.08	26.38 2.06 -3.11	26.07 2.26 -0.29	27.20 2.38 0.00	30.22 2.67 0.00	31.29 2.77 0.00	32.90 2.85 0.00	34.47 3.05 0.00	41.30 3.56 0.10	47.90 4.31 0.00	45.76 4.20 0.00	41.47 4.01 0.00	38.22 3.76 0.00	33.41 3.26 0.00	29.19 2.68 0.00	27.68 2.23 -2.25
MARSH_HILL_WT_PWR 323713	19.66 0.19 -0.72	15.68 0.11 -1.26	14.74 0.15 -1.16	14.46 0.19 -1.05	14.32 0.21 -1.08	15.05 0.23 -1.23	17.52 0.28 -0.85	17.74 0.21 -1.21	21.14 0.10 -0.50	22.12 0.53 -0.38	24.59 1.03 -0.04	25.96 1.14 0.00	28.62 1.07 0.00	29.77 1.25 0.00	31.04 0.99 0.00	32.77 1.35 0.00	39.39 1.55 0.00	44.94 1.35 0.00	43.19 1.25 -0.38	39.09 1.12 -0.50	35.83 1.28 -0.10	31.24 1.08 0.00	27.84 1.33 0.00	24.12 0.65 -0.27
MCINTYRE_115KV_TB2 80467	18.40 -0.36 0.00	13.99 -0.31 0.00	13.08 -0.35 0.00	12.84 -0.38 0.00	12.65 -0.38 0.00	13.16 -0.43 0.00	15.86 -0.52 0.00	15.80 -0.52 0.00	19.86 -0.68 0.00	20.36 -0.85 0.00	22.68 -0.85 0.00	23.87 -0.94 0.00	26.64 -0.91 0.00	27.61 -0.91 0.00	29.12 -0.93 0.00	30.45 -0.97 0.00	36.78 -1.06 0.00	42.36 -1.22 0.00	40.81 -0.75 0.00	36.87 -0.60 0.00	33.94 -0.52 0.00	29.67 -0.48 0.00	26.17 -0.34 0.00	22.90 -0.30 0.00
MECO____69_KV_BK1 80468	26.17 1.67 -5.75	25.66 1.30 -10.05	23.89 1.21 -9.24	22.75 1.18 -8.34	22.82 1.19 -8.60	24.69 1.29 -9.81	24.65 1.65 -6.61	27.22 1.57 -9.33	26.57 2.16 -3.87	26.51 2.35 -2.95	26.81 3.01 -0.27	27.94 3.13 0.00	31.08 3.53 0.00	32.14 3.62 0.00	33.45 3.40 0.00	35.07 3.65 0.00	41.93 4.20 0.11	48.73 5.14 0.00	46.55 4.99 0.00	42.22 4.76 0.00	38.94 4.48 0.00	33.90 3.74 0.00	29.56 3.05 0.00	27.93 2.60 -2.13
MENANDS__115KV_TB5 355628	24.23 0.60 -4.88	23.28 0.43 -8.54	21.70 0.42 -7.85	20.71 0.40 -7.09	20.75 0.40 -7.31	22.35 0.42 -8.34	21.86 0.49 -4.98	24.73 0.49 -7.92	23.42 0.74 -2.14	24.60 0.89 -2.50	24.77 1.01 -0.23	25.81 0.99 0.00	28.73 1.18 0.00	29.63 1.11 0.00	31.31 1.26 0.00	32.55 1.13 0.00	38.97 1.29 0.16	45.24 1.66 0.00	43.02 1.45 0.00	38.85 1.39 0.00	35.61 1.31 0.16	31.30 1.15 0.00	27.57 1.06 0.00	24.86 0.90 -0.75
MG INDUSTRY___DRP 24185	24.14 0.64 -4.75	23.09 0.47 -8.31	21.53 0.46 -7.64	20.56 0.44 -6.90	20.59 0.44 -7.11	22.17 0.46 -8.11	22.06 0.57 -5.11	24.50 0.55 -7.62	23.98 0.82 -2.61	24.54 0.93 -2.40	24.80 1.06 -0.22	25.86 1.04 0.00	28.79 1.24 0.00	29.69 1.17 0.00	31.37 1.32 0.00	32.68 1.26 0.00	39.20 1.44 0.08	45.37 1.79 0.00	43.10 1.54 0.00	38.93 1.46 0.00	35.78 1.41 0.09	31.39 1.24 0.00	27.63 1.11 0.00	25.31 0.95 -1.16
MID___OSWEGATCHIE_HYD 23849	18.57 -0.28 -0.10	14.23 -0.24 -0.17	13.31 -0.28 -0.15	13.08 -0.29 -0.14	12.88 -0.30 -0.14	13.40 -0.35 -0.16	16.07 -0.43 -0.11	16.04 -0.44 -0.16	20.01 -0.60 -0.07	20.56 -0.70 -0.05	22.82 -0.71 0.00	24.12 -0.69 0.00	26.78 -0.77 0.00	27.78 -0.74 0.00	29.27 -0.78 0.00	30.73 -0.69 0.00	37.20 -0.64 0.00	42.89 -0.70 0.00	41.78 -0.42 -0.63	38.04 -0.26 -0.83	34.48 -0.14 -0.16	29.88 -0.27 0.00	26.35 -0.16 0.00	23.14 -0.09 -0.04
MID___RAQUETTE_HYD 23851	18.17 -0.58 0.00	13.81 -0.50 0.00	12.92 -0.51 0.00	12.68 -0.54 0.00	12.49 -0.55 0.00	12.90 -0.69 0.00	15.50 -0.88 0.00	15.41 -0.91 0.00	19.35 -1.19 0.00	19.85 -1.36 0.00	22.11 -1.41 0.00	23.28 -1.54 0.00	25.92 -1.63 0.00	26.89 -1.63 0.00	28.37 -1.68 0.00	29.66 -1.76 0.00	35.83 -2.01 0.00	41.36 -2.22 0.00	40.14 -1.75 -0.33	36.36 -1.54 -0.43	33.13 -1.41 -0.08	28.98 -1.18 0.00	25.69 -0.82 0.00	22.57 -0.63 0.00
MILLIKEN___1 23584	19.83 0.38 -0.70	15.85 0.31 -1.22	14.87 0.31 -1.12	14.55 0.30 -1.01	14.38 0.30 -1.05	15.14 0.35 -1.19	17.83 0.61 -0.84	18.11 0.60 -1.18	21.65 0.62 -0.49	22.32 0.74 -0.37	24.43 0.87 -0.03	25.86 1.04 0.00	28.62 1.07 0.00	29.77 1.25 0.00	31.19 1.14 0.00	32.90 1.48 0.00	39.69 1.85 0.00	45.59 2.00 0.00	44.25 1.45 -1.23	40.43 1.35 -1.62	36.05 1.28 -0.31	31.15 1.00 0.00	27.26 0.74 0.00	24.06 0.60 -0.26
MILLIKEN___2 23585	19.83 0.38 -0.70	15.85 0.31 -1.22	14.87 0.31 -1.12	14.55 0.30 -1.01	14.38 0.30 -1.05	15.14 0.35 -1.19	17.83 0.61 -0.84	18.11 0.60 -1.18	21.65 0.62 -0.49	22.32 0.74 -0.37	24.43 0.87 -0.03	25.86 1.04 0.00	28.62 1.07 0.00	29.77 1.25 0.00	31.19 1.14 0.00	32.90 1.48 0.00	39.69 1.85 0.00	45.59 2.00 0.00	44.25 1.45 -1.23	40.43 1.35 -1.62	36.05 1.28 -0.31	31.15 1.00 0.00	27.26 0.74 0.00	24.06 0.60 -0.26
MILLIKEN___DIESEL 23629	19.83 0.38 -0.70	15.85 0.31 -1.22	14.87 0.31 -1.12	14.55 0.30 -1.01	14.38 0.30 -1.05	15.14 0.35 -1.19	17.83 0.61 -0.84	18.11 0.60 -1.18	21.65 0.62 -0.49	22.32 0.74 -0.37	24.43 0.87 -0.03	25.86 1.04 0.00	28.62 1.07 0.00	29.77 1.25 0.00	31.19 1.14 0.00	32.90 1.48 0.00	39.69 1.85 0.00	45.59 2.00 0.00	44.25 1.45 -1.23	40.43 1.35 -1.62	36.05 1.28 -0.31	31.15 1.00 0.00	27.26 0.74 0.00	24.06 0.60 -0.26
MILLSEAT___LFGE 323607	19.25 -0.02 -0.51	15.18 -0.03 -0.90	14.34 0.08 -0.83	14.12 0.15 -0.75	13.97 0.17 -0.77	14.61 0.14 -0.88	17.11 0.12 -0.61	17.12 -0.07 -0.86	20.63 -0.27 -0.36	21.74 0.26 -0.27	24.09 0.54 -0.03	25.36 0.55 0.00	28.02 0.47 0.00	29.12 0.60 0.00	30.23 0.18 0.00	31.96 0.53 0.00	38.26 0.42 0.00	43.58 0.00 0.00	41.64 0.08 0.00	37.58 0.11 0.00	34.94 0.48 0.00	30.61 0.45 0.00	27.52 1.01 0.00	23.88 0.49 -0.19
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	23.68 1.18 -3.75	21.69 0.83 -6.56	20.17 0.71 -6.03	19.39 0.73 -5.44	19.35 0.70 -5.61	20.74 0.75 -6.40	21.63 0.93 -4.31	23.40 1.00 -6.08	24.48 1.42 -2.52	24.80 1.68 -1.92	25.58 1.88 -0.18	26.73 1.91 0.00	29.81 2.26 0.00	30.66 2.14 0.00	32.42 2.37 0.00	33.72 2.29 0.00	40.89 2.91 -0.13	47.07 3.49 0.00	44.55 2.99 0.00	40.09 2.62 0.00	36.63 2.17 0.00	32.27 2.11 0.00	28.50 1.99 0.00	26.26 1.67 -1.39

MILLWOOD_13_KV_LOAD 356217	23.72 1.22 -3.75	21.72 0.86 -6.56	20.20 0.74 -6.03	19.41 0.74 -5.44	19.36 0.72 -5.61	20.74 0.75 -6.40	21.63 0.93 -4.31	23.42 1.01 -6.08	24.52 1.46 -2.52	24.87 1.74 -1.92	25.63 1.93 -0.18	26.80 1.99 0.00	29.89 2.34 0.00	30.77 2.25 0.00	32.54 2.49 0.00	33.84 2.42 0.00	41.04 3.06 -0.13	47.29 3.70 0.00	44.72 3.16 0.00	40.27 2.81 0.00	36.77 2.31 0.00	32.39 2.23 0.00	28.58 2.07 0.00	26.33 1.74 -1.39
MODEL_CITY_ENERGY 24167	18.73 -0.56 -0.54	14.83 -0.43 -0.95	14.05 -0.26 -0.87	13.84 -0.17 -0.79	13.69 -0.16 -0.81	14.31 -0.20 -0.92	16.66 -0.36 -0.64	16.65 -0.57 -0.90	19.97 -0.94 -0.37	21.07 -0.42 -0.29	23.36 -0.19 -0.03	24.54 -0.27 0.00	27.05 -0.50 0.00	28.12 -0.40 0.00	29.21 -0.84 0.00	30.86 -0.56 0.00	36.86 -0.98 0.00	41.93 -1.66 0.00	40.02 -1.54 0.00	36.08 -1.39 0.00	33.60 -0.86 0.00	29.49 -0.66 0.00	26.65 0.13 0.00	23.15 -0.25 -0.20
MODERN_LFGE_ 323580	18.73 -0.56 -0.54	14.83 -0.43 -0.95	14.05 -0.26 -0.87	13.84 -0.17 -0.79	13.69 -0.16 -0.81	14.31 -0.20 -0.92	16.66 -0.36 -0.64	16.65 -0.57 -0.90	19.97 -0.94 -0.37	21.07 -0.42 -0.29	23.36 -0.19 -0.03	24.54 -0.27 0.00	27.05 -0.50 0.00	28.12 -0.40 0.00	29.21 -0.84 0.00	30.86 -0.56 0.00	36.86 -0.98 0.00	41.93 -1.66 0.00	40.02 -1.54 0.00	36.08 -1.39 0.00	33.60 -0.86 0.00	29.49 -0.66 0.00	26.65 0.13 0.00	23.15 -0.25 -0.20
MOHAWK_PAPER___DRP 24187	24.43 0.77 -4.91	23.46 0.56 -8.60	21.86 0.52 -7.90	20.86 0.50 -7.13	20.90 0.51 -7.36	22.51 0.53 -8.39	22.13 0.64 -5.11	24.93 0.64 -7.97	23.79 0.92 -2.33	24.83 1.10 -2.52	25.00 1.25 -0.23	26.08 1.27 0.00	29.04 1.49 0.00	29.95 1.43 0.00	31.67 1.62 0.00	32.93 1.51 0.00	39.43 1.74 0.15	45.76 2.18 0.00	43.56 1.99 0.00	39.38 1.91 0.00	36.11 1.79 0.14	31.69 1.54 0.00	27.89 1.38 0.00	25.28 1.16 -0.92
MOHICAN__35_KV_115KV_LD 80490	25.12 1.33 -5.03	24.11 1.00 -8.80	22.45 0.93 -8.09	21.43 0.90 -7.31	21.47 0.90 -7.53	23.15 0.96 -8.59	23.86 1.23 -6.25	25.67 1.16 -8.19	26.43 1.66 -4.23	25.70 1.91 -2.59	25.69 1.93 -0.24	26.78 1.96 0.00	29.78 2.23 0.00	30.74 2.22 0.00	32.57 2.52 0.00	33.87 2.45 0.00	40.47 2.80 0.17	47.03 3.44 0.00	45.09 3.53 0.00	40.91 3.45 0.00	38.06 3.48 -0.12	33.11 2.96 0.00	29.01 2.49 0.00	27.89 2.04 -2.65
MONGAUP___HYD 23641	23.08 0.97 -3.35	20.85 0.69 -5.86	19.44 0.62 -5.39	18.71 0.62 -4.86	18.66 0.61 -5.02	19.96 0.65 -5.72	21.06 0.82 -3.85	22.58 0.82 -5.44	23.88 1.09 -2.25	24.22 1.29 -1.72	25.05 1.36 -0.16	26.28 1.46 0.00	29.20 1.65 0.00	30.26 1.74 0.00	31.88 1.83 0.00	33.24 1.82 0.00	40.29 2.35 -0.11	46.20 2.61 0.00	43.89 2.33 0.00	39.60 2.13 0.00	36.29 1.83 0.00	31.94 1.78 0.00	27.94 1.43 0.00	25.74 1.30 -1.24
MONTAUK___DIESEL 23721	25.21 2.68 -3.78	23.45 2.23 -6.91	21.96 2.10 -6.44	20.67 1.96 -5.49	20.58 1.89 -5.66	22.18 2.13 -6.45	22.73 2.00 -4.34	24.68 2.22 -6.13	26.04 2.96 -2.54	26.41 3.27 -1.94	27.56 3.86 -0.18	28.76 3.95 0.00	34.37 4.96 -1.87	35.96 5.16 -2.28	35.52 5.47 0.00	39.24 5.53 -2.29	48.15 6.96 -3.35	52.72 8.24 -0.90	49.01 7.44 -0.01	51.88 6.29 -8.12	40.00 5.48 -0.06	36.90 5.19 -1.56	33.98 4.56 -2.91	33.08 3.87 -6.01
MOONROAD_115KV_HARTFLD_TB1-2 355988	19.39 0.02 -0.62	15.45 0.06 -1.08	14.56 0.13 -1.00	14.30 0.17 -0.90	14.16 0.20 -0.93	14.87 0.22 -1.06	17.33 0.21 -0.73	17.52 0.16 -1.03	20.89 -0.08 -0.43	22.15 0.62 -0.33	24.42 0.87 -0.03	26.08 1.27 0.00	28.46 0.91 0.00	30.12 1.60 0.00	31.28 1.23 0.00	33.09 1.67 0.00	39.62 1.78 0.00	45.11 1.53 0.00	42.97 1.41 0.00	38.78 1.31 0.00	36.15 1.69 0.00	31.60 1.45 0.00	27.60 1.09 0.00	24.31 0.88 -0.23
MORTIMER_115KV_TB3 55949	19.32 0.13 -0.44	15.25 0.17 -0.77	14.39 0.26 -0.71	14.14 0.28 -0.64	13.98 0.29 -0.66	14.64 0.30 -0.75	17.28 0.38 -0.52	17.33 0.28 -0.73	20.91 0.06 -0.30	21.84 0.40 -0.23	23.76 0.21 -0.02	25.34 0.52 0.00	27.77 0.22 0.00	29.12 0.60 0.00	30.35 0.30 0.00	32.05 0.63 0.00	38.48 0.64 0.00	43.89 0.31 0.00	41.89 0.33 0.00	37.76 0.30 0.00	34.98 0.52 0.00	30.55 0.39 0.00	26.73 0.21 0.00	23.85 0.49 -0.16
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	23.84 1.31 -3.78	21.83 0.92 -6.61	20.30 0.79 -6.07	19.52 0.81 -5.48	19.48 0.79 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.95 2.13 0.00	30.08 2.53 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
MUNSVILLE_WIND_PWR 323609	20.93 1.14 -1.03	16.98 0.86 -1.81	15.81 0.71 -1.66	15.42 0.69 -1.50	15.27 0.69 -1.55	16.12 0.76 -1.77	18.74 1.13 -1.22	19.16 1.11 -1.73	22.59 1.33 -0.71	23.28 1.53 -0.54	25.48 1.90 -0.05	26.98 2.16 0.00	29.94 2.40 0.00	31.09 2.57 0.00	32.36 2.31 0.00	34.41 2.99 0.00	41.51 3.67 0.00	47.86 4.27 0.00	46.28 3.95 -0.77	42.19 3.71 -1.01	38.24 3.58 -0.19	32.78 2.62 0.00	28.66 2.15 0.00	25.23 1.65 -0.38
N SALMON___HYD 24042	18.42 -0.34 0.00	13.94 -0.37 0.00	13.00 -0.43 0.00	12.72 -0.50 0.00	12.49 -0.55 0.00	12.93 -0.67 0.00	15.58 -0.80 0.00	15.54 -0.78 0.00	19.66 -0.88 0.00	20.25 -0.95 0.00	22.51 -1.01 0.00	23.70 -1.12 0.00	26.39 -1.16 0.00	27.38 -1.14 0.00	29.12 -0.93 0.00	30.39 -1.04 0.00	36.78 -1.06 0.00	42.45 -1.13 0.00	40.77 -0.79 0.00	36.57 -0.90 0.00	33.56 -0.90 0.00	29.49 -0.66 0.00	25.85 -0.66 0.00	22.55 -0.65 0.00
N.AKRON__115KV_KNAPP 355671	19.25 -0.02 -0.52	15.30 0.09 -0.91	14.52 0.26 -0.83	14.27 0.29 -0.75	14.12 0.31 -0.78	14.79 0.31 -0.89	17.32 0.33 -0.61	17.32 0.13 -0.87	20.61 -0.29 -0.36	21.74 0.25 -0.27	23.69 0.14 -0.03	25.36 0.55 0.00	27.63 0.08 0.00	29.12 0.60 0.00	30.11 0.06 0.00	31.93 0.50 0.00	38.22 0.38 0.00	43.54 -0.04 0.00	41.64 0.08 0.00	37.54 0.07 0.00	34.94 0.48 0.00	30.55 0.39 0.00	26.70 0.19 0.00	23.86 0.46 -0.19
N.BELMOR_69_KV_BK1 55787	24.28 1.74 -3.78	22.45 1.29 -6.86	20.94 1.16 -6.35	19.81 1.10 -5.49	19.73 1.04 -5.66	21.22 1.18 -6.45	22.02 1.29 -4.34	23.89 1.44 -6.13	25.01 1.93 -2.54	25.33 2.18 -1.94	26.29 2.59 -0.18	27.42 2.61 0.00	32.47 3.06 -1.87	33.79 2.99 -2.28	33.33 3.28 0.00	36.86 3.21 -2.23	44.16 4.05 -2.27	49.27 4.79 -0.89	45.80 4.24 0.00	41.10 3.63 0.00	37.56 3.10 0.00	34.76 3.05 -1.56	32.28 2.86 -2.91	31.60 2.39 -6.01
N.E._GEN_SANDY PD 24062	24.00 0.88 -4.36	22.63 0.69 -7.64	21.10 0.64 -7.02	20.20 0.63 -6.34	20.19 0.63 -6.54	21.70 0.65 -7.45	22.40 0.80 -5.21	24.16 0.75 -7.09	24.86 1.03 -3.29	24.65 1.21 -2.24	25.00 1.27 -0.21	26.43 1.31 -0.29	28.69 1.43 0.29	29.97 1.45 0.00	31.64 1.59 0.00	32.90 1.48 0.00	38.53 1.78 1.09	45.85 2.26 0.00	43.56 1.99 0.00	39.30 1.84 0.00	36.20 1.69 -0.05	31.63 1.48 0.00	27.76 1.25 0.00	26.40 1.25 -1.95

N. HEMPST_138_KV_BK345_REV_LBMP_G 345014	23.50 1.14 -3.60	21.40 0.79 -6.30	19.91 0.69 -5.79	19.14 0.69 -5.23	19.10 0.68 -5.39	20.45 0.71 -6.15	21.43 0.90 -4.14	23.13 0.96 -5.85	24.34 1.38 -2.42	24.69 1.63 -1.85	25.53 1.83 -0.17	26.68 1.86 0.00	29.73 2.18 0.00	30.63 2.11 0.00	32.36 2.31 0.00	33.69 2.26 0.00	40.84 2.88 -0.12	46.90 3.31 0.00	44.39 2.83 0.00	39.97 2.51 0.00	36.53 2.07 0.00	32.18 2.02 0.00	28.40 1.88 0.00	26.11 1.58 -1.33
N. QUEENS_27_KV_LOAD 356247	24.04 1.50 -3.78	21.97 1.06 -6.61	20.38 0.87 -6.07	19.64 0.93 -5.48	19.57 0.89 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.09 1.95 -1.93	25.96 2.26 -0.18	27.05 2.23 0.00	30.26 2.70 -0.01	31.15 2.62 -0.01	32.84 2.79 0.00	34.13 2.70 0.00	41.64 3.67 -0.13	47.95 4.36 -0.01	45.09 3.53 0.00	40.42 2.96 0.00	36.60 2.14 0.00	32.63 2.47 0.00	29.04 2.52 -0.01	26.72 2.11 -1.41
N. TROY___115KV_TB1 355778	24.50 0.83 -4.92	23.53 0.62 -8.61	21.93 0.58 -7.92	20.94 0.57 -7.15	20.97 0.57 -7.37	22.59 0.60 -8.40	23.97 0.77 -6.81	25.07 0.72 -8.03	26.97 1.03 -5.40	24.95 1.21 -2.54	25.08 1.32 -0.23	26.13 1.32 0.00	29.06 1.52 0.00	29.97 1.45 0.00	31.67 1.62 0.00	32.96 1.54 0.00	39.40 1.78 0.22	45.85 2.27 0.00	43.68 2.12 0.00	39.45 1.99 0.00	36.66 1.90 -0.30	31.81 1.66 0.00	28.00 1.48 0.00	28.24 1.28 -3.76
NARROWS_GT1_1 24228	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT1_2 24229	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT1_3 24230	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT1_4 24231	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT1_5 24232	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT1_6 24233	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT1_7 24234	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT1_8 24235	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT2_1 24236	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT2_2 24237	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT2_3 24238	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT2_4 24239	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41

NARROWS_GT2_5 24240	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT2_6 24241	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT2_7 24242	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NARROWS_GT2_8 24243	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	23.97 0.68 -4.54	22.72 0.47 -7.94	21.19 0.46 -7.30	20.25 0.44 -6.59	20.27 0.44 -6.80	21.82 0.48 -7.75	22.11 0.85 -4.87	24.36 0.82 -7.22	24.52 1.44 -2.54	24.76 1.27 -2.28	25.33 1.60 -0.21	26.46 1.64 0.00	29.48 1.93 0.00	30.52 2.00 0.00	32.27 2.22 0.00	33.62 2.20 0.00	40.63 2.84 0.04	46.55 2.96 0.00	43.60 2.04 0.00	39.56 2.10 0.00	36.51 2.14 0.09	31.81 1.66 0.00	27.89 1.38 0.00	25.53 1.23 -1.10
NCHELSEA_115KV_TR2 355582	23.74 1.20 -3.79	21.75 0.82 -6.62	20.25 0.73 -6.09	19.45 0.73 -5.50	19.40 0.70 -5.67	20.80 0.75 -6.46	21.67 0.93 -4.35	23.45 0.98 -6.14	24.48 1.40 -2.54	24.78 1.63 -1.94	25.54 1.83 -0.18	26.70 1.89 0.00	29.73 2.18 0.00	30.69 2.17 0.00	32.42 2.37 0.00	33.75 2.33 0.00	40.89 2.95 -0.10	46.90 3.31 0.00	44.47 2.91 0.00	40.12 2.66 0.00	36.67 2.21 0.00	32.24 2.08 0.00	28.40 1.88 0.00	26.20 1.60 -1.40
NEG CAPITAL___MECHNVIL 23645	24.83 1.09 -4.99	23.89 0.84 -8.74	22.24 0.78 -8.03	21.24 0.77 -7.25	21.28 0.77 -7.48	22.93 0.82 -8.53	23.83 1.02 -6.43	25.42 0.96 -8.13	26.48 1.33 -4.60	25.32 1.55 -2.57	25.38 1.62 -0.24	26.53 1.71 0.00	29.48 1.93 0.00	30.49 1.97 0.00	32.21 2.16 0.00	33.56 2.14 0.00	40.11 2.46 0.19	46.63 3.05 0.00	44.47 2.91 0.00	40.24 2.77 0.00	37.33 2.69 -0.18	32.45 2.29 0.00	28.40 1.88 0.00	27.87 1.67 -3.00
NEG CENTRAL_HIGH_ACRES 23767	18.97 -0.21 -0.42	14.87 -0.17 -0.74	13.99 -0.12 -0.68	13.75 -0.09 -0.61	13.59 -0.08 -0.63	14.23 -0.08 -0.72	16.88 0.00 -0.50	16.98 -0.05 -0.71	20.69 -0.14 -0.29	21.54 0.11 -0.22	23.76 0.21 -0.02	25.07 0.25 0.00	27.80 0.25 0.00	28.86 0.34 0.00	30.17 0.12 0.00	31.80 0.38 0.00	38.22 0.38 0.00	43.63 0.04 0.00	41.88 -0.12 -0.45	37.94 -0.11 -0.59	34.61 0.03 -0.11	30.13 -0.03 0.00	26.75 0.24 0.00	23.38 0.02 -0.16
NEG CENTRAL___DRP 24199	19.34 0.13 -0.46	15.27 0.16 -0.80	14.35 0.17 -0.74	14.07 0.17 -0.67	13.90 0.18 -0.69	14.61 0.23 -0.79	17.46 0.52 -0.55	17.60 0.51 -0.77	21.31 0.45 -0.32	22.13 0.68 -0.24	24.35 0.80 -0.02	25.88 1.07 0.00	28.54 0.99 0.00	29.80 1.28 0.00	31.10 1.05 0.00	32.77 1.35 0.00	39.47 1.63 0.00	45.20 1.61 0.00	43.54 0.79 -1.19	39.74 0.71 -1.56	35.52 0.76 -0.30	30.76 0.60 0.00	26.91 0.40 0.00	23.72 0.35 -0.17
NEG CENTRAL___INDECK 23768	19.96 0.60 -0.61	15.80 0.43 -1.06	14.87 0.46 -0.98	14.60 0.49 -0.88	14.44 0.50 -0.91	15.16 0.53 -1.04	17.71 0.61 -0.72	17.78 0.44 -1.02	21.23 0.27 -0.42	22.10 0.57 -0.32	24.47 0.92 -0.03	25.78 0.97 0.00	27.66 0.11 0.00	28.43 -0.09 0.00	29.87 -0.18 0.00	31.89 0.47 0.00	38.30 0.46 0.00	43.80 0.22 0.00	41.98 0.42 0.00	38.17 0.71 0.00	35.49 1.03 0.00	31.06 0.90 0.00	28.34 1.83 0.00	24.68 1.25 -0.23
NEG CENTRAL___SENECA 23627	19.45 0.19 -0.51	15.38 0.19 -0.89	14.48 0.23 -0.82	14.19 0.22 -0.74	14.04 0.25 -0.76	14.76 0.30 -0.87	17.48 0.49 -0.60	17.63 0.46 -0.85	21.24 0.35 -0.35	22.09 0.62 -0.27	24.30 0.75 -0.02	25.86 1.04 0.00	28.46 0.91 0.00	29.77 1.25 0.00	31.01 0.96 0.00	32.62 1.19 0.00	39.32 1.48 0.00	44.98 1.39 0.00	43.16 1.00 -0.60	39.15 0.90 -0.79	35.54 0.93 -0.15	31.00 0.84 0.00	27.07 0.56 0.00	23.90 0.51 -0.19
NEG CENTRAL___STATE_STREET 24147	19.50 0.30 -0.45	15.37 0.27 -0.79	14.43 0.27 -0.72	14.14 0.26 -0.65	13.98 0.27 -0.67	14.68 0.33 -0.77	17.68 0.75 -0.54	17.83 0.75 -0.76	21.68 0.82 -0.31	22.45 1.00 -0.24	24.58 1.04 -0.02	26.11 1.29 0.00	28.87 1.32 0.00	30.06 1.54 0.00	31.64 1.59 0.00	33.40 1.98 0.00	40.22 2.38 0.00	46.07 2.48 0.00	44.55 1.29 -1.70	40.86 1.16 -2.23	35.99 1.10 -0.43	31.00 0.84 0.00	27.15 0.64 0.00	23.88 0.51 -0.17
NEG MILLWOOD___DRP 24198	23.86 1.28 -3.83	21.91 0.90 -6.71	20.36 0.77 -6.16	19.56 0.77 -5.56	19.50 0.73 -5.74	20.90 0.76 -6.54	21.72 0.93 -4.41	23.57 1.03 -6.22	24.60 1.48 -2.58	24.91 1.74 -1.96	25.66 1.95 -0.18	26.88 2.06 0.00	29.95 2.40 0.00	30.86 2.34 0.00	32.66 2.61 0.00	34.00 2.58 0.00	41.21 3.25 -0.11	47.51 3.92 0.00	44.89 3.32 0.00	40.50 3.03 0.00	36.94 2.48 0.00	32.54 2.38 0.00	28.61 2.09 0.00	26.38 1.76 -1.42
NEG NORTH_FLCN_SEA 23793	18.64 -0.11 0.00	14.09 -0.21 0.00	13.14 -0.30 0.00	12.84 -0.38 0.00	12.58 -0.46 0.00	13.02 -0.57 0.00	15.70 -0.69 0.00	15.67 -0.65 0.00	19.86 -0.68 0.00	20.53 -0.68 0.00	22.82 -0.71 0.00	24.00 -0.82 0.00	26.69 -0.85 0.00	27.72 -0.80 0.00	29.57 -0.48 0.00	30.83 -0.60 0.00	37.31 -0.53 0.00	43.19 -0.39 0.00	41.35 -0.21 0.00	36.98 -0.49 0.00	33.91 -0.55 0.00	29.82 -0.33 0.00	26.09 -0.42 0.00	22.67 -0.53 0.00
NEG NORTH_KES_CHATEGAY 23792	18.43 -0.32 0.00	13.94 -0.37 0.00	12.99 -0.44 0.00	12.70 -0.53 0.00	12.45 -0.59 0.00	12.88 -0.71 0.00	15.53 -0.85 0.00	15.51 -0.82 0.00	19.64 -0.90 0.00	20.25 -0.95 0.00	22.54 -0.99 0.00	23.68 -1.14 0.00	26.36 -1.18 0.00	27.35 -1.17 0.00	29.15 -0.90 0.00	30.42 -1.01 0.00	36.82 -1.02 0.00	42.62 -0.96 0.00	40.81 -0.75 0.00	36.53 -0.94 0.00	33.53 -0.93 0.00	29.46 -0.69 0.00	25.80 -0.72 0.00	22.43 -0.77 0.00



NEG NORTH___ALICE_FALLS 23915	18.57 -0.19 0.00	14.04 -0.27 0.00	13.08 -0.35 0.00	12.79 -0.44 0.00	12.52 -0.51 0.00	12.97 -0.63 0.00	15.63 -0.75 0.00	15.60 -0.72 0.00	19.80 -0.74 0.00	20.45 -0.76 0.00	22.72 -0.80 0.00	23.92 -0.89 0.00	26.64 -0.91 0.00	27.61 -0.91 0.00	29.45 -0.60 0.00	30.70 -0.72 0.00	37.20 -0.64 0.00	43.06 -0.52 0.00	41.27 -0.29 0.00	36.90 -0.56 0.00	33.84 -0.62 0.00	29.76 -0.39 0.00	26.04 -0.48 0.00	22.60 -0.60 0.00
NEG NORTH___LWR_SARANAC 23913	18.57 -0.19 0.00	14.04 -0.27 0.00	13.08 -0.35 0.00	12.79 -0.44 0.00	12.52 -0.51 0.00	12.97 -0.63 0.00	15.63 -0.75 0.00	15.60 -0.72 0.00	19.80 -0.74 0.00	20.45 -0.76 0.00	22.72 -0.80 0.00	23.92 -0.89 0.00	26.64 -0.91 0.00	27.61 -0.91 0.00	29.45 -0.60 0.00	30.70 -0.72 0.00	37.20 -0.64 0.00	43.06 -0.52 0.00	41.27 -0.29 0.00	36.90 -0.56 0.00	33.84 -0.62 0.00	29.76 -0.39 0.00	26.04 -0.48 0.00	22.60 -0.60 0.00
NEG NORTH___PLATTSBURG 23628	18.57 -0.19 0.00	14.04 -0.27 0.00	13.08 -0.35 0.00	12.79 -0.44 0.00	12.52 -0.51 0.00	12.97 -0.62 0.00	15.65 -0.74 0.00	15.62 -0.70 0.00	19.80 -0.74 0.00	20.45 -0.76 0.00	22.70 -0.82 0.00	23.92 -0.89 0.00	26.61 -0.94 0.00	27.61 -0.91 0.00	29.45 -0.60 0.00	30.70 -0.72 0.00	37.20 -0.64 0.00	42.97 -0.61 0.00	41.27 -0.29 0.00	36.90 -0.56 0.00	33.80 -0.66 0.00	29.73 -0.42 0.00	26.01 -0.50 0.00	22.60 -0.60 0.00
NEG WEST_LEA_LOCKPORT 23791	18.93 -0.36 -0.53	15.10 -0.14 -0.94	14.35 0.05 -0.86	14.11 0.11 -0.78	13.96 0.13 -0.80	14.61 0.11 -0.91	17.05 0.03 -0.63	17.02 -0.20 -0.89	20.19 -0.72 -0.37	21.32 -0.17 -0.28	23.22 -0.33 -0.03	24.87 0.05 0.00	27.00 -0.55 0.00	28.49 -0.03 0.00	29.51 -0.54 0.00	31.27 -0.16 0.00	37.35 -0.49 0.00	42.49 -1.09 0.00	40.60 -0.96 0.00	36.57 -0.90 0.00	34.12 -0.34 0.00	29.85 -0.30 0.00	26.14 -0.37 0.00	23.40 0.00 -0.20
NEG WEST___LANCASTR 23811	18.65 -0.73 -0.62	14.96 -0.44 -1.09	14.14 -0.30 -1.00	13.90 -0.24 -0.91	13.76 -0.21 -0.93	14.43 -0.23 -1.07	16.76 -0.36 -0.74	16.89 -0.47 -1.04	19.99 -0.99 -0.43	21.05 -0.49 -0.33	23.53 -0.02 -0.03	25.16 0.35 0.00	27.47 -0.08 0.00	28.98 0.46 0.00	30.14 0.09 0.00	31.93 0.50 0.00	38.22 0.38 0.00	43.50 -0.09 0.00	41.39 -0.17 0.00	37.24 -0.22 0.00	34.63 0.17 0.00	30.28 0.12 0.00	26.49 -0.03 0.00	22.94 -0.49 -0.23
NEG_PENN_ALLEGHNY 23528	20.09 0.23 -1.11	16.41 0.16 -1.94	15.38 0.16 -1.79	15.03 0.19 -1.61	14.89 0.20 -1.66	15.71 0.22 -1.90	17.99 0.30 -1.31	18.46 0.28 -1.86	21.60 0.29 -0.77	22.26 0.47 -0.59	24.26 0.68 -0.05	25.56 0.74 0.00	28.32 0.77 0.00	29.41 0.89 0.00	30.86 0.81 0.00	32.43 1.01 0.00	39.01 1.17 0.00	44.76 1.18 0.00	43.24 0.96 -0.72	39.27 0.86 -0.95	35.50 0.86 -0.18	30.88 0.72 0.00	27.23 0.72 0.00	24.05 0.44 -0.41
NEG___GEN_MONROE 24207	19.40 0.21 -0.44	15.34 0.26 -0.77	14.48 0.34 -0.71	14.21 0.34 -0.64	14.05 0.35 -0.66	14.71 0.37 -0.76	17.37 0.46 -0.52	17.36 0.29 -0.74	20.91 0.06 -0.31	21.87 0.42 -0.23	23.88 0.33 -0.02	25.49 0.67 0.00	27.88 0.33 0.00	29.26 0.74 0.00	30.29 0.24 0.00	31.99 0.57 0.00	38.33 0.49 0.00	43.80 0.22 0.00	41.89 0.33 0.00	37.73 0.26 0.00	34.98 0.52 0.00	30.61 0.45 0.00	26.75 0.24 0.00	23.94 0.58 -0.16
NEPA___ENERGY 23901	19.25 -0.13 -0.63	15.41 0.00 -1.10	14.57 0.12 -1.01	14.31 0.17 -0.91	14.17 0.20 -0.94	14.86 0.19 -1.07	17.29 0.16 -0.74	17.41 0.03 -1.05	20.67 -0.31 -0.44	21.75 0.21 -0.33	23.84 0.28 -0.03	25.46 0.65 0.00	27.77 0.22 0.00	29.26 0.74 0.00	30.50 0.45 0.00	32.30 0.88 0.00	38.67 0.83 0.00	43.98 0.39 0.00	41.85 0.29 0.00	37.65 0.19 0.00	35.05 0.59 0.00	30.67 0.51 0.00	26.86 0.34 0.00	23.69 0.26 -0.23
NEVERSINK___HYD 23608	22.89 0.88 -3.25	20.60 0.60 -5.69	19.19 0.52 -5.24	18.48 0.53 -4.73	18.41 0.51 -4.87	19.71 0.56 -5.56	20.82 0.70 -3.73	22.31 0.72 -5.27	23.73 1.01 -2.18	24.06 1.19 -1.66	24.95 1.27 -0.15	26.21 1.39 0.00	29.09 1.54 0.00	30.17 1.65 0.00	31.82 1.77 0.00	33.21 1.79 0.00	40.21 2.31 -0.07	46.15 2.57 0.00	43.84 2.28 0.00	39.52 2.06 0.00	36.18 1.72 0.00	31.75 1.60 0.00	27.81 1.30 0.00	25.61 1.21 -1.21
NEWKRMKL_115KV_TB1 55635	24.12 0.49 -4.88	23.19 0.34 -8.54	21.61 0.32 -7.85	20.63 0.32 -7.09	20.65 0.31 -7.31	22.27 0.34 -8.34	21.86 0.39 -5.09	24.65 0.41 -7.92	23.32 0.53 -2.24	24.36 0.68 -2.48	24.55 0.80 -0.23	25.59 0.77 0.00	28.51 0.96 0.00	29.40 0.88 0.00	31.07 1.02 0.00	32.43 1.01 0.00	38.83 1.14 0.14	45.07 1.48 0.00	42.85 1.29 0.00	38.70 1.24 0.00	35.46 1.14 0.14	31.18 1.03 0.00	27.44 0.93 0.00	24.92 0.79 -0.93
NEWTON___FALLS_HYD 23847	18.57 -0.28 -0.10	14.23 -0.24 -0.17	13.31 -0.28 -0.15	13.08 -0.29 -0.14	12.88 -0.30 -0.14	13.40 -0.35 -0.16	16.07 -0.43 -0.11	16.04 -0.44 -0.16	20.01 -0.60 -0.07	20.56 -0.70 -0.05	22.82 -0.71 0.00	24.12 -0.69 0.00	26.78 -0.77 0.00	27.78 -0.74 0.00	29.27 -0.78 0.00	30.73 -0.69 0.00	37.20 -0.64 0.00	42.89 -0.70 0.00	41.78 -0.42 -0.63	38.04 -0.26 -0.83	34.48 -0.14 -0.16	29.88 -0.27 0.00	26.35 -0.16 0.00	23.14 -0.09 -0.04
NGRID_A1_DSASP 323792	18.66 -0.64 -0.54	14.82 -0.44 -0.95	14.05 -0.26 -0.88	13.85 -0.17 -0.79	13.69 -0.16 -0.82	14.30 -0.22 -0.93	16.60 -0.43 -0.64	16.53 -0.70 -0.91	19.79 -1.13 -0.38	20.90 -0.59 -0.29	23.13 -0.42 -0.03	24.27 -0.55 0.00	26.72 -0.83 0.00	27.72 -0.80 0.00	28.85 -1.20 0.00	30.45 -0.97 0.00	36.32 -1.51 0.00	41.32 -2.27 0.00	39.44 -2.12 0.00	35.56 -1.91 0.00	33.12 -1.34 0.00	29.10 -1.06 0.00	26.36 -0.16 0.00	22.94 -0.46 -0.20
NGRID_A2_DSASP 323793	18.66 -0.64 -0.54	14.82 -0.44 -0.95	14.05 -0.26 -0.88	13.85 -0.17 -0.79	13.69 -0.16 -0.82	14.30 -0.22 -0.93	16.60 -0.43 -0.64	16.53 -0.70 -0.91	19.79 -1.13 -0.38	20.90 -0.59 -0.29	23.13 -0.42 -0.03	24.27 -0.55 0.00	26.72 -0.83 0.00	27.72 -0.80 0.00	28.85 -1.20 0.00	30.45 -0.97 0.00	36.32 -1.51 0.00	41.32 -2.27 0.00	39.44 -2.12 0.00	35.56 -1.91 0.00	33.12 -1.34 0.00	29.10 -1.06 0.00	26.36 -0.16 0.00	22.94 -0.46 -0.20
NGRID_A4_DSASP 323807	18.66 -0.64 -0.54	14.96 -0.30 -0.95	14.24 -0.07 -0.88	14.03 0.01 -0.79	13.89 0.04 -0.82	14.49 -0.03 -0.93	16.83 -0.20 -0.64	16.74 -0.49 -0.91	19.79 -1.13 -0.38	20.90 -0.59 -0.29	22.68 -0.87 -0.03	24.25 -0.57 0.00	26.28 -1.27 0.00	27.72 -0.80 0.00	28.73 -1.32 0.00	30.45 -0.97 0.00	36.33 -1.51 0.00	41.32 -2.27 0.00	39.48 -2.08 0.00	35.55 -1.91 0.00	33.19 -1.28 0.00	29.07 -1.09 0.00	25.51 -1.01 0.00	22.94 -0.46 -0.20
NIAGARA_115E_LBMP 323715	18.62 -0.67 -0.55	14.76 -0.50 -0.95	13.98 -0.34 -0.88	13.77 -0.25 -0.79	13.63 -0.22 -0.82	14.24 -0.29 -0.93	16.57 -0.46 -0.65	16.56 -0.67 -0.91	19.85 -1.07 -0.38	20.94 -0.55 -0.29	23.20 -0.35 -0.03	24.37 -0.45 0.00	26.83 -0.72 0.00	27.89 -0.63 0.00	29.00 -1.05 0.00	30.61 -0.82 0.00	36.55 -1.29 0.00	41.58 -2.00 0.00	39.69 -1.87 0.00	35.78 -1.69 0.00	33.32 -1.14 0.00	29.25 -0.90 0.00	26.46 -0.05 0.00	22.99 -0.42 -0.20

NIAGARA_115W_LBMP 323714	18.60 -0.69 -0.54	14.79 -0.47 -0.95	14.03 -0.28 -0.87	13.82 -0.20 -0.79	13.68 -0.17 -0.81	14.28 -0.24 -0.93	16.57 -0.46 -0.64	16.50 -0.73 -0.91	19.75 -1.17 -0.38	20.84 -0.66 -0.29	23.06 -0.50 -0.03	24.20 -0.62 0.00	26.64 -0.91 0.00	27.64 -0.88 0.00	28.76 -1.29 0.00	30.35 -1.07 0.00	36.21 -1.63 0.00	41.19 -2.40 0.00	39.32 -2.24 0.00	35.44 -2.02 0.00	33.01 -1.45 0.00	29.04 -1.12 0.00	26.27 -0.24 0.00	22.87 -0.53 -0.20
NIAGARA_230_LBMP 323716	18.80 -0.49 -0.54	14.89 -0.36 -0.94	14.11 -0.19 -0.86	13.90 -0.11 -0.78	13.75 -0.09 -0.80	14.36 -0.15 -0.92	16.72 -0.29 -0.63	16.71 -0.51 -0.90	20.03 -0.88 -0.37	21.13 -0.36 -0.28	23.39 -0.16 -0.03	24.54 -0.27 0.00	27.02 -0.52 0.00	28.03 -0.49 0.00	29.18 -0.87 0.00	30.82 -0.60 0.00	36.78 -1.06 0.00	41.84 -1.74 0.00	39.90 -1.66 0.00	35.96 -1.50 0.00	33.50 -0.96 0.00	29.43 -0.72 0.00	26.62 0.11 0.00	23.14 -0.25 -0.20
NIAGARA__115KV_198_GIBSON 55903	18.60 -0.69 -0.54	14.93 -0.33 -0.95	14.21 -0.09 -0.87	14.02 0.00 -0.79	13.86 0.01 -0.81	14.47 -0.05 -0.93	16.80 -0.23 -0.64	16.69 -0.54 -0.91	19.75 -1.17 -0.38	20.86 -0.64 -0.29	22.61 -0.94 -0.03	24.17 -0.65 0.00	26.20 -1.35 0.00	27.64 -0.88 0.00	28.64 -1.41 0.00	30.35 -1.07 0.00	36.21 -1.63 0.00	41.19 -2.40 0.00	39.36 -2.20 0.00	35.44 -2.02 0.00	33.08 -1.38 0.00	28.98 -1.18 0.00	25.43 -1.09 0.00	22.87 -0.53 -0.20
NIAGARA____ 23760	18.62 -0.67 -0.54	14.77 -0.49 -0.95	14.00 -0.31 -0.88	13.79 -0.22 -0.79	13.64 -0.21 -0.82	14.25 -0.27 -0.93	16.57 -0.46 -0.64	16.56 -0.67 -0.91	19.87 -1.05 -0.38	20.97 -0.53 -0.29	23.20 -0.35 -0.03	24.37 -0.45 0.00	26.83 -0.72 0.00	27.87 -0.65 0.00	28.97 -1.08 0.00	30.61 -0.82 0.00	36.55 -1.29 0.00	41.58 -2.00 0.00	39.69 -1.87 0.00	35.74 -1.72 0.00	33.29 -1.17 0.00	29.25 -0.90 0.00	26.43 -0.08 0.00	22.94 -0.46 -0.20
NINE_MILE_1 23575	18.55 -0.43 -0.23	14.40 -0.30 -0.39	13.53 -0.27 -0.36	13.29 -0.26 -0.33	13.11 -0.26 -0.34	13.72 -0.26 -0.38	16.29 -0.33 -0.24	16.33 -0.33 -0.34	20.17 -0.51 -0.14	20.74 -0.57 -0.11	22.92 -0.61 -0.01	24.17 -0.65 0.00	26.83 -0.72 0.00	27.78 -0.74 0.00	29.21 -0.84 0.00	30.64 -0.78 0.00	36.86 -0.98 0.00	42.36 -1.22 0.00	29.93 -1.08 10.55	22.62 -0.97 13.87	30.94 -0.86 2.66	29.37 -0.78 0.00	25.88 -0.64 0.00	22.68 -0.60 -0.08
NINE_MILE_2 23744	18.55 -0.43 -0.22	14.40 -0.30 -0.39	13.53 -0.27 -0.36	13.29 -0.26 -0.33	13.12 -0.25 -0.34	13.72 -0.26 -0.38	16.29 -0.33 -0.24	16.33 -0.33 -0.33	20.17 -0.51 -0.14	20.74 -0.57 -0.11	22.92 -0.61 -0.01	24.17 -0.65 0.00	26.83 -0.72 0.00	27.78 -0.74 0.00	29.21 -0.84 0.00	30.61 -0.82 0.00	36.86 -0.98 0.00	42.36 -1.22 0.00	29.77 -1.08 10.71	22.41 -0.97 14.08	30.90 -0.86 2.70	29.37 -0.78 0.00	25.88 -0.64 0.00	22.68 -0.60 -0.08
NM_CAPITAL____DRP 24208	24.16 0.54 -4.86	23.21 0.39 -8.51	21.63 0.38 -7.82	20.65 0.36 -7.06	20.68 0.36 -7.28	22.28 0.38 -8.31	21.76 0.44 -4.93	24.65 0.44 -7.89	23.29 0.68 -2.07	24.53 0.83 -2.49	24.69 0.94 -0.23	25.74 0.92 0.00	28.65 1.10 0.00	29.55 1.03 0.00	31.22 1.17 0.00	32.49 1.07 0.00	38.89 1.21 0.16	45.11 1.53 0.00	42.89 1.33 0.00	38.78 1.31 0.00	35.49 1.21 0.17	31.21 1.06 0.00	27.49 0.98 0.00	24.73 0.84 -0.70
NM_CENTRAL____DRP 24181	19.01 -0.06 -0.32	14.86 0.00 -0.55	13.96 0.01 -0.51	13.70 0.01 -0.46	13.53 0.03 -0.47	14.17 0.04 -0.54	16.90 0.13 -0.38	17.00 0.13 -0.54	20.83 0.06 -0.23	21.49 0.11 -0.17	23.66 0.12 -0.02	25.02 0.20 0.00	27.66 0.11 0.00	28.78 0.26 0.00	30.20 0.15 0.00	31.74 0.31 0.00	38.18 0.34 0.00	43.76 0.17 0.00	42.54 -0.04 -1.02	38.77 -0.04 -1.34	34.72 0.00 -0.26	30.07 -0.09 0.00	26.38 -0.13 0.00	23.23 -0.09 -0.12
NM_FRONTIER____DRP 24179	18.60 -0.69 -0.54	14.93 -0.33 -0.95	14.21 -0.09 -0.87	14.02 0.00 -0.79	13.86 0.01 -0.81	14.47 -0.05 -0.93	16.80 -0.23 -0.64	16.69 -0.54 -0.91	19.75 -1.17 -0.38	20.86 -0.64 -0.29	22.61 -0.94 -0.03	24.17 -0.65 0.00	26.20 -1.35 0.00	27.64 -0.88 0.00	28.64 -1.41 0.00	30.35 -1.07 0.00	36.21 -1.63 0.00	41.19 -2.40 0.00	39.36 -2.20 0.00	35.44 -2.02 0.00	33.08 -1.38 0.00	28.98 -1.18 0.00	25.43 -1.09 0.00	22.87 -0.53 -0.20
NM_ST_REGIS____HYD 24053	18.23 -0.53 0.00	13.84 -0.47 0.00	12.94 -0.50 0.00	12.68 -0.54 0.00	12.47 -0.56 0.00	12.90 -0.69 0.00	15.52 -0.87 0.00	15.42 -0.90 0.00	19.41 -1.13 0.00	19.94 -1.27 0.00	22.21 -1.32 0.00	23.38 -1.44 0.00	26.03 -1.52 0.00	26.98 -1.54 0.00	28.55 -1.50 0.00	29.82 -1.60 0.00	36.06 -1.78 0.00	41.62 -1.96 0.00	40.32 -1.54 -0.30	36.47 -1.39 -0.39	33.23 -1.31 -0.07	29.10 -1.06 0.00	25.72 -0.80 0.00	22.55 -0.65 0.00
NORTHPORT____1 23551	24.33 1.80 -3.78	22.63 1.40 -6.92	21.18 1.32 -6.43	19.97 1.26 -5.49	19.86 1.17 -5.66	21.40 1.35 -6.46	22.09 1.36 -4.34	23.97 1.52 -6.13	25.07 1.99 -2.54	25.37 2.23 -1.94	26.22 2.52 -0.18	27.40 2.58 0.00	32.39 2.98 -1.87	33.85 3.05 -2.28	33.24 3.18 -0.01	36.61 2.95 -2.23	43.82 3.86 -2.12	49.23 4.75 -0.89	45.56 3.99 -0.01	40.25 3.41 0.62	37.43 2.96 0.00	34.70 2.99 -1.56	32.10 2.68 -2.91	31.69 2.48 -6.01
NORTHPORT____2 23552	24.33 1.80 -3.78	22.63 1.40 -6.92	21.18 1.32 -6.43	19.97 1.26 -5.49	19.86 1.17 -5.66	21.40 1.35 -6.46	22.09 1.36 -4.34	23.97 1.52 -6.13	25.07 1.99 -2.54	25.37 2.23 -1.94	26.22 2.52 -0.18	27.40 2.58 0.00	32.39 2.98 -1.87	33.85 3.05 -2.28	33.24 3.18 -0.01	36.61 2.95 -2.23	43.82 3.86 -2.12	49.23 4.75 -0.89	45.56 3.99 -0.01	40.25 3.41 0.62	37.43 2.96 0.00	34.70 2.99 -1.56	32.10 2.68 -2.91	31.69 2.48 -6.01
NORTHPORT____3 23553	23.98 1.44 -3.78	22.32 1.10 -6.91	20.88 1.02 -6.42	19.66 0.95 -5.49	19.58 0.89 -5.66	21.07 1.02 -6.46	21.78 1.05 -4.34	23.66 1.21 -6.13	24.70 1.62 -2.54	25.01 1.87 -1.94	25.82 2.12 -0.18	27.00 2.18 0.00	31.84 2.42 -1.87	33.16 2.37 -2.27	32.63 2.58 0.00	36.41 2.77 -2.23	43.19 3.18 -2.17	48.35 3.88 -0.89	44.84 3.28 0.00	39.87 2.81 0.41	37.24 2.79 0.01	34.27 2.56 -1.56	31.86 2.44 -2.91	31.41 2.21 -6.01
NORTHPORT____4 23650	23.98 1.44 -3.78	22.32 1.10 -6.91	20.88 1.02 -6.42	19.66 0.95 -5.49	19.58 0.89 -5.66	21.07 1.02 -6.46	21.78 1.05 -4.34	23.66 1.21 -6.13	24.70 1.62 -2.54	25.01 1.87 -1.94	25.82 2.12 -0.18	27.00 2.18 0.00	31.84 2.42 -1.87	33.16 2.37 -2.27	32.63 2.58 0.00	36.41 2.77 -2.23	43.19 3.18 -2.17	48.35 3.88 -0.89	44.84 3.28 0.00	39.87 2.81 0.41	37.24 2.79 0.01	34.27 2.56 -1.56	31.86 2.44 -2.91	31.41 2.21 -6.01
NORTHPORT____IC 23718	24.33 1.80 -3.78	22.63 1.40 -6.92	21.18 1.32 -6.43	19.97 1.26 -5.49	19.86 1.17 -5.66	21.40 1.35 -6.46	22.09 1.36 -4.34	23.97 1.52 -6.13	25.07 1.99 -2.54	25.37 2.23 -1.94	26.22 2.52 -0.18	27.40 2.58 0.00	32.39 2.98 -1.87	33.85 3.05 -2.28	33.24 3.18 -0.01	36.61 2.95 -2.23	43.82 3.86 -2.12	49.23 4.75 -0.89	45.56 3.99 -0.01	40.25 3.41 0.62	37.43 2.96 0.00	34.70 2.99 -1.56	32.10 2.68 -2.91	31.69 2.48 -6.01

NORTH__COUNTRY_ESR 323785	18.40 -0.36 0.00	13.92 -0.39 0.00	12.98 -0.46 0.00	12.68 -0.54 0.00	12.43 -0.60 0.00	12.87 -0.72 0.00	15.51 -0.87 0.00	15.49 -0.83 0.00	19.62 -0.92 0.00	20.23 -0.98 0.00	22.47 -1.06 0.00	23.65 -1.17 0.00	26.31 -1.24 0.00	27.32 -1.20 0.00	29.12 -0.93 0.00	30.35 -1.07 0.00	36.74 -1.10 0.00	42.45 -1.13 0.00	40.73 -0.83 0.00	36.45 -1.01 0.00	33.43 -1.03 0.00	29.37 -0.78 0.00	25.72 -0.79 0.00	22.37 -0.83 0.00
NPX_GEN_1385_PROXY 323591	24.05 1.52 -3.78	22.43 1.20 -6.92	20.99 1.13 -6.43	19.80 1.08 -5.49	19.67 0.98 -5.66	21.22 1.17 -6.46	21.89 1.16 -4.34	23.73 1.27 -6.13	24.79 1.70 -2.54	24.95 1.80 -1.94	25.98 2.28 -0.18	27.39 2.28 -0.29	31.44 2.31 -1.57	33.19 2.40 -2.28	32.46 2.40 -0.01	35.40 1.85 -2.12	42.57 2.61 -2.12	48.40 3.92 -0.89	44.56 2.99 -0.01	39.35 2.51 0.62	36.91 2.45 0.00	34.15 2.44 -1.56	31.65 2.23 -2.91	31.32 2.11 -6.01
NPX_GEN_CSC 323557	24.28 1.74 -3.78	22.81 1.59 -6.91	21.40 1.53 -6.44	20.17 1.45 -5.49	20.07 1.38 -5.66	21.63 1.58 -6.46	21.97 1.24 -4.34	23.88 1.42 -6.13	24.97 1.89 -2.54	25.26 2.12 -1.94	26.10 2.40 -0.18	27.54 2.43 -0.29	32.18 3.06 -1.57	34.02 3.22 -2.28	33.48 3.42 -0.01	37.08 3.36 -2.29	46.41 4.31 -4.26	49.71 5.23 -0.90	46.11 4.53 -0.02	49.46 3.90 -8.10	38.00 3.48 -0.06	35.00 3.29 -1.56	32.23 2.81 -2.91	31.78 2.57 -6.01
NSINS_S_GLNS_FALLS 23858	25.14 1.35 -5.03	24.13 1.02 -8.81	22.47 0.94 -8.10	21.45 0.91 -7.31	21.48 0.91 -7.54	23.17 0.98 -8.60	23.86 1.25 -6.23	25.71 1.19 -8.19	26.43 1.70 -4.18	25.75 1.95 -2.59	25.72 1.95 -0.24	26.80 1.99 0.00	29.81 2.26 0.00	30.77 2.25 0.00	32.60 2.55 0.00	33.91 2.48 0.00	40.51 2.84 0.16	47.07 3.49 0.00	45.13 3.57 0.00	40.95 3.48 0.00	38.12 3.55 -0.11	33.14 2.99 0.00	29.06 2.55 0.00	27.89 2.09 -2.61
NUCOR_STEEL__DRP 24197	19.39 0.21 -0.43	15.28 0.21 -0.75	14.34 0.21 -0.69	14.05 0.20 -0.63	13.89 0.21 -0.65	14.59 0.26 -0.74	17.57 0.67 -0.52	17.72 0.67 -0.73	21.56 0.72 -0.30	22.31 0.87 -0.23	24.53 0.99 -0.02	26.03 1.22 0.00	28.79 1.24 0.00	29.97 1.45 0.00	31.40 1.35 0.00	33.15 1.73 0.00	39.92 2.08 0.00	45.76 2.18 0.00	44.31 0.91 -1.84	40.71 0.82 -2.42	35.72 0.79 -0.46	30.76 0.60 0.00	26.94 0.42 0.00	23.69 0.32 -0.16
NUMBER_THREE_WT_PWR 323818	18.88 0.00 -0.13	14.52 -0.01 -0.23	13.58 -0.07 -0.21	13.34 -0.08 -0.19	13.15 -0.08 -0.20	13.76 -0.05 -0.22	16.57 0.03 -0.15	16.56 0.02 -0.22	20.61 -0.02 -0.09	21.19 -0.08 -0.07	23.53 0.00 -0.01	24.87 0.05 0.00	27.58 0.03 0.00	28.61 0.09 0.00	30.14 0.09 0.00	31.74 0.31 0.00	38.60 0.76 0.00	44.45 0.87 0.00	43.31 1.00 -0.75	39.50 1.05 -0.99	35.72 1.07 -0.19	30.82 0.66 0.00	27.04 0.53 0.00	23.67 0.42 -0.05
NYISO_LBMP_REFERENCE 24008	18.75 0.00 0.00	14.31 0.00 0.00	13.43 0.00 0.00	13.23 0.00 0.00	13.03 0.00 0.00	13.59 0.00 0.00	16.38 0.00 0.00	16.32 0.00 0.00	20.54 0.00 0.00	21.21 0.00 0.00	23.52 0.00 0.00	24.82 0.00 0.00	27.55 0.00 0.00	28.52 0.00 0.00	30.05 0.00 0.00	31.42 0.00 0.00	37.84 0.00 0.00	43.58 0.00 0.00	41.56 0.00 0.00	37.46 0.00 0.00	34.46 0.00 0.00	30.16 0.00 0.00	26.51 0.00 0.00	23.20 0.00 0.00
NYPA_BRENTWD__GT 24164	24.56 2.03 -3.78	22.81 1.59 -6.91	21.35 1.49 -6.42	20.11 1.40 -5.49	20.02 1.33 -5.66	21.56 1.51 -6.46	22.27 1.54 -4.34	24.15 1.70 -6.13	25.30 2.22 -2.54	25.62 2.48 -1.94	26.50 2.80 -0.18	27.72 2.90 0.00	32.86 3.44 -1.87	34.36 3.56 -2.28	33.84 3.79 -0.01	37.34 3.67 -2.24	47.13 4.69 -4.60	50.14 5.66 -0.89	46.47 4.90 -0.01	51.35 4.23 -9.65	38.23 3.76 -0.01	35.30 3.59 -1.56	32.57 3.15 -2.91	32.04 2.83 -6.01
NYPA_GOWANUS__GT5 24156	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.46 3.00 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NYPA_GOWANUS__GT6 24157	24.06 1.52 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.65 0.94 -5.48	19.59 0.90 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.16 2.02 -1.93	25.91 2.21 -0.18	27.10 2.28 0.00	30.23 2.67 -0.01	31.21 2.68 -0.01	32.87 2.82 0.00	34.16 2.73 0.00	41.49 3.52 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.46 3.00 0.00	36.84 2.38 0.00	32.66 2.50 0.00	28.75 2.23 -0.01	26.74 2.13 -1.41
NYPA_HARLEM_RVR_GT1 24160	24.00 1.46 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.64 0.93 -5.48	19.57 0.89 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.61 1.16 -6.13	24.65 1.58 -2.53	25.05 1.91 -1.93	25.80 2.09 -0.18	27.00 2.18 0.00	30.06 2.51 -0.01	31.10 2.57 -0.01	32.60 2.55 0.00	33.97 2.54 0.00	41.45 3.48 -0.13	47.82 4.23 -0.01	44.93 3.36 0.00	40.28 2.81 0.00	36.55 2.10 0.01	32.51 2.35 0.00	28.77 2.25 -0.01	26.70 2.09 -1.41
NYPA_HARLEM_RVR_GT2 24161	24.00 1.46 -3.78	21.96 1.04 -6.61	20.48 0.97 -6.07	19.64 0.93 -5.48	19.57 0.89 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.61 1.16 -6.13	24.65 1.58 -2.53	25.05 1.91 -1.93	25.80 2.09 -0.18	27.00 2.18 0.00	30.06 2.51 -0.01	31.10 2.57 -0.01	32.60 2.55 0.00	33.97 2.54 0.00	41.45 3.48 -0.13	47.82 4.23 -0.01	44.93 3.36 0.00	40.28 2.81 0.00	36.55 2.10 0.01	32.51 2.35 0.00	28.77 2.25 -0.01	26.70 2.09 -1.41
NYPA_KENT__GT 24152	24.00 1.46 -3.78	21.93 1.02 -6.61	20.45 0.94 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.92 0.88 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.77 1.68 -2.54	25.14 1.99 -1.93	25.89 2.19 -0.18	27.08 2.26 0.00	30.18 2.62 -0.01	31.15 2.62 -0.01	32.81 2.76 0.00	34.09 2.67 0.00	41.42 3.44 -0.13	47.73 4.14 0.00	45.01 3.45 0.00	40.42 2.96 0.00	36.80 2.34 0.00	32.60 2.44 0.00	28.70 2.17 -0.01	26.70 2.09 -1.41
NYPA_POUCH1__GT 24155	24.06 1.52 -3.78	21.96 1.04 -6.61	20.46 0.95 -6.07	19.64 0.93 -5.48	19.57 0.89 -5.65	20.90 0.86 -6.45	21.81 1.08 -4.34	23.60 1.14 -6.14	24.71 1.62 -2.54	25.10 1.95 -1.94	25.85 2.14 -0.18	27.03 2.21 0.00	30.15 2.59 -0.02	31.13 2.59 -0.02	32.82 2.76 0.00	34.10 2.67 0.00	41.38 3.41 -0.13	47.68 4.10 0.00	44.97 3.41 0.00	40.39 2.92 0.00	36.73 2.27 0.00	32.60 2.44 0.00	28.70 2.17 -0.01	26.72 2.11 -1.41
NYPA_VERNON__GT2 24162	23.95 1.41 -3.79	21.90 0.99 -6.61	20.42 0.91 -6.07	19.60 0.89 -5.48	19.55 0.86 -5.65	20.91 0.87 -6.45	21.86 1.13 -4.34	23.66 1.21 -6.13	24.74 1.66 -2.54	25.12 1.97 -1.93	25.87 2.16 -0.18	27.05 2.23 0.00	30.12 2.56 -0.01	31.12 2.59 -0.01	32.76 2.71 0.00	34.03 2.61 0.00	41.42 3.44 -0.13	47.73 4.14 0.00	44.97 3.41 0.00	40.39 2.92 0.00	36.77 2.31 0.00	32.54 2.38 0.00	28.67 2.15 -0.01	26.63 2.02 -1.41

NYPA_VERNON____GT3 24163	23.95	21.90	20.42	19.60	19.55	20.91	21.86	23.66	24.74	25.12	25.87	27.05	30.12	31.12	32.76	34.03	41.42	47.73	44.97	40.39	36.77	32.54	28.67	26.63
	1.41	0.99	0.91	0.89	0.86	0.87	1.13	1.21	1.66	1.97	2.16	2.23	2.56	2.59	2.71	2.61	3.44	4.14	3.41	2.92	2.31	2.38	2.15	2.02
	-3.79	-6.61	-6.07	-5.48	-5.65	-6.45	-4.34	-6.13	-2.54	-1.93	-0.18	0.00	-0.01	-0.01	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	-0.01	-1.41
NYPA____ASTORIA_CC1 323568	23.93	21.89	20.41	19.60	19.53	20.90	21.82	23.63	24.73	25.09	25.82	27.03	30.09	31.07	32.69	34.00	41.38	47.68	44.93	40.35	36.70	32.51	28.64	26.60
	1.39	0.97	0.90	0.89	0.85	0.86	1.10	1.18	1.64	1.95	2.12	2.21	2.53	2.54	2.65	2.58	3.41	4.10	3.36	2.89	2.24	2.35	2.12	2.00
	-3.78	-6.61	-6.07	-5.48	-5.65	-6.45	-4.34	-6.13	-2.54	-1.93	-0.18	0.00	-0.01	-0.01	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	-0.01	-1.41
NYPA____ASTORIA_CC2 323569	23.93	21.89	20.41	19.60	19.53	20.90	21.82	23.63	24.73	25.09	25.82	27.03	30.09	31.07	32.69	34.00	41.38	47.68	44.93	40.35	36.70	32.51	28.64	26.60
	1.39	0.97	0.90	0.89	0.85	0.86	1.10	1.18	1.64	1.95	2.12	2.21	2.53	2.54	2.65	2.58	3.41	4.10	3.36	2.89	2.24	2.35	2.12	2.00
	-3.78	-6.61	-6.07	-5.48	-5.65	-6.45	-4.34	-6.13	-2.54	-1.93	-0.18	0.00	-0.01	-0.01	0.00	0.00	-0.13	0.00	0.00	0.00	0.00	0.00	-0.01	-1.41
NYPA____HOLTSVILL 23794	24.41	22.75	21.31	20.07	19.98	21.52	22.12	24.01	25.12	25.41	26.22	27.37	32.50	34.05	33.54	37.11	46.35	49.67	46.03	49.31	38.00	35.03	32.31	31.87
	1.88	1.53	1.44	1.36	1.29	1.47	1.39	1.55	2.03	2.27	2.52	2.56	3.08	3.25	3.48	3.39	4.27	5.18	4.45	3.86	3.48	3.32	2.89	2.67
	-3.78	-6.91	-6.44	-5.49	-5.66	-6.46	-4.34	-6.13	-2.54	-1.94	-0.18	0.00	-1.87	-2.28	-0.01	-2.29	-4.23	-0.90	-0.02	-7.99	-0.06	-1.56	-2.91	-6.01
NYPA____HELLGATE_GT1 24158	24.00	21.96	20.48	19.64	19.57	20.90	21.82	23.61	24.65	25.05	25.80	27.00	30.06	31.10	32.60	33.97	41.45	47.82	44.93	40.28	36.55	32.51	28.77	26.70
	1.46	1.04	0.97	0.93	0.89	0.86	1.10	1.16	1.58	1.91	2.09	2.18	2.51	2.57	2.55	2.54	3.48	4.23	3.36	2.81	2.10	2.35	2.25	2.09
	-3.78	-6.61	-6.07	-5.48	-5.65	-6.45	-4.34	-6.13	-2.53	-1.93	-0.18	0.00	-0.01	-0.01	0.00	0.00	-0.13	-0.01	0.00	0.00	0.01	0.00	-0.01	-1.41
NYPA____HELLGATE_GT2 24159	24.00	21.96	20.48	19.64	19.57	20.90	21.82	23.61	24.65	25.05	25.80	27.00	30.06	31.10	32.60	33.97	41.45	47.82	44.93	40.28	36.55	32.51	28.77	26.70
	1.46	1.04	0.97	0.93	0.89	0.86	1.10	1.16	1.58	1.91	2.09	2.18	2.51	2.57	2.55	2.54	3.48	4.23	3.36	2.81	2.10	2.35	2.25	2.09
	-3.78	-6.61	-6.07	-5.48	-5.65	-6.45	-4.34	-6.13	-2.53	-1.93	-0.18	0.00	-0.01	-0.01	0.00	0.00	-0.13	-0.01	0.00	0.00	0.01	0.00	-0.01	-1.41
NYS_BARGE____HYD 23848	18.91	14.96	14.15	13.94	13.80	14.43	16.83	16.82	20.19	21.32	23.67	24.87	27.44	28.52	29.63	31.30	37.39	42.54	40.61	36.60	34.08	29.91	26.99	23.42
	-0.37	-0.27	-0.13	-0.05	-0.03	-0.07	-0.18	-0.39	-0.72	-0.17	0.12	0.05	-0.11	0.00	-0.42	-0.13	-0.45	-1.05	-0.95	-0.86	-0.38	-0.24	0.48	0.02
	-0.53	-0.93	-0.85	-0.77	-0.79	-0.91	-0.63	-0.89	-0.37	-0.28	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
OAK ORCHARD____HYD 24046	19.32	15.16	14.29	14.05	13.88	14.53	17.13	17.20	20.91	21.84	24.04	25.34	28.05	29.12	30.41	32.05	38.44	43.89	41.89	37.76	34.94	30.58	27.28	23.85
	0.13	0.09	0.15	0.19	0.20	0.19	0.23	0.15	0.06	0.40	0.49	0.52	0.50	0.60	0.36	0.63	0.60	0.31	0.33	0.30	0.48	0.42	0.77	0.49
	-0.44	-0.77	-0.71	-0.64	-0.66	-0.75	-0.52	-0.73	-0.30	-0.23	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.16
OAKDALE____35_KV_LOAD 356122	20.00	16.38	15.38	15.01	14.86	15.67	17.96	18.41	21.51	22.17	24.05	25.44	28.10	29.23	30.68	32.24	38.79	44.46	42.97	39.02	35.29	30.70	26.94	23.93
	0.15	0.14	0.17	0.19	0.18	0.20	0.28	0.24	0.21	0.38	0.47	0.62	0.55	0.71	0.63	0.82	0.95	0.87	0.71	0.64	0.65	0.54	0.42	0.32
	-1.10	-1.93	-1.77	-1.60	-1.65	-1.88	-1.30	-1.84	-0.76	-0.58	-0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.70	-0.92	-0.18	0.00	0.00	-0.41
OCC_CHEM____DRP 24175	18.66	14.96	14.24	14.03	13.89	14.49	16.83	16.74	19.79	20.90	22.68	24.25	26.28	27.72	28.73	30.45	36.33	41.32	39.48	35.55	33.19	29.07	25.51	22.94
	-0.64	-0.30	-0.07	0.01	0.04	-0.03	-0.20	-0.49	-1.13	-0.59	-0.87	-0.57	-1.27	-0.80	-1.32	-0.97	-1.51	-2.27	-2.08	-1.91	-1.28	-1.09	-1.01	-0.46
	-0.54	-0.95	-0.88	-0.79	-0.82	-0.93	-0.64	-0.91	-0.38	-0.29	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
OH_GEN_PROXY 24063	18.82	14.89	14.11	13.90	13.76	14.37	16.74	16.73	20.07	21.17	23.41	24.86	26.76	28.09	29.24	30.89	36.86	41.93	40.02	36.04	33.56	29.46	26.62	23.14
	-0.47	-0.36	-0.19	-0.11	-0.08	-0.14	-0.28	-0.49	-0.84	-0.32	-0.14	-0.25	-0.50	-0.43	-0.81	-0.53	-0.98	-1.66	-1.54	-1.42	-0.90	-0.69	0.11	-0.25
	-0.54	-0.94	-0.86	-0.78	-0.80	-0.92	-0.64	-0.90	-0.37	-0.28	-0.03	-0.29	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
OLIN_CORP_DRP 24177	18.67	14.93	14.20	13.96	13.82	14.46	16.84	16.82	19.89	21.01	22.82	24.42	26.47	27.92	28.94	30.67	36.63	41.62	39.82	35.82	33.46	29.28	25.67	23.03
	-0.64	-0.34	-0.12	-0.07	-0.04	-0.07	-0.20	-0.42	-1.03	-0.49	-0.73	-0.40	-1.07	-0.60	-1.11	-0.75	-1.21	-1.96	-1.75	-1.65	-1.00	-0.87	-0.85	-0.37
	-0.55	-0.96	-0.88	-0.80	-0.82	-0.94	-0.65	-0.92	-0.38	-0.29	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
OLIN_CORP_DSASP 323712	18.66	14.82	14.05	13.85	13.69	14.30	16.60	16.53	19.79	20.90	23.13	24.27	26.72	27.72	28.85	30.45	36.32	41.32	39.44	35.56	33.12	29.10	26.36	22.94
	-0.64	-0.44	-0.26	-0.17	-0.16	-0.22	-0.43	-0.70	-1.13	-0.59	-0.42	-0.55	-0.83	-0.80	-1.20	-0.97	-1.51	-2.27	-2.12	-1.91	-1.34	-1.06	-0.16	-0.46
	-0.54	-0.95	-0.88	-0.79	-0.82	-0.93	-0.64	-0.91	-0.38	-0.29	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.20
ONEIDA_HERK_LFGE 323681	19.06	14.65	13.72	13.48	13.30	13.90	16.75	16.75	20.91	21.55	23.98	25.34	28.10	29.15	30.59	32.15	38.86	44.76	43.13	39.13	35.67	30.88	27.10	23.73
	0.19	0.14	0.09	0.08	0.09	0.11	0.23	0.23	0.29	0.27	0.45	0.52	0.55	0.63	0.54	0.72	1.02	1.18	1.16	1.12	1.10	0.72	0.58	0.49
	-0.12	-0.20	-0.19	-0.17	-0.17	-0.20	-0.14	-0.20	-0.08	-0.06	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.41	-0.54	-0.10	0.00	0.00	-0.04
ONEIDA____115KV_TB4 55905	19.36	14.99	14.04	13.78	13.61	14.25	17.08	17.15	21.25	21.94	24.31	25.76	28.54	29.63	31.04	32.65	39.39	45.33	43.70	39.67	36.05	31.12	27.26	23.90
	0.39	0.31	0.27	0.25	0.26	0.30	0.44	0.47	0.55	0.62	0.78	0.94	0.99	1.11	0.99	1.23	1.55	1.74	1.58	1.46	1.45	0.96	0.74	0.63
	-0.21	-0.37	-0.34	-0.31	-0.32	-0.36	-0.25	-0.36	-0.15	-0.11	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.56	-0.74	-0.14	0.00	0.00	-0.08

ONONDAGA_REF_OCCRA 23987	19.14 0.00 -0.39	15.03 0.04 -0.68	14.10 0.04 -0.63	13.83 0.04 -0.57	13.67 0.05 -0.58	14.34 0.08 -0.66	17.07 0.21 -0.47	17.20 0.21 -0.67	20.98 0.16 -0.28	21.63 0.21 -0.21	23.80 0.26 -0.02	25.19 0.37 0.00	27.85 0.30 0.00	28.98 0.46 0.00	30.41 0.36 0.00	31.99 0.57 0.00	38.48 0.64 0.00	44.15 0.57 0.00	42.96 0.17 -1.24	39.28 0.19 -1.63	34.98 0.21 -0.31	30.25 0.09 0.00	26.51 0.00 0.00	23.34 0.00 -0.14
ONONDAGA___COGEN 23986	19.13 0.02 -0.36	15.00 0.06 -0.63	14.08 0.07 -0.58	13.82 0.07 -0.53	13.64 0.07 -0.54	14.31 0.10 -0.62	17.21 0.39 -0.43	17.33 0.39 -0.61	21.16 0.37 -0.25	21.87 0.47 -0.19	24.08 0.54 -0.02	25.51 0.69 0.00	28.24 0.69 0.00	29.38 0.86 0.00	30.80 0.75 0.00	32.43 1.01 0.00	39.01 1.17 0.00	44.72 1.13 0.00	43.67 0.21 -1.90	40.19 0.22 -2.50	35.15 0.21 -0.48	30.28 0.12 0.00	26.54 0.03 0.00	23.36 0.02 -0.13
ONTARIO___LFGE 23819	19.45 0.19 -0.51	15.33 0.13 -0.89	14.40 0.15 -0.82	14.12 0.16 -0.74	13.98 0.18 -0.76	14.68 0.22 -0.87	17.38 0.39 -0.60	17.55 0.38 -0.85	21.24 0.35 -0.35	22.09 0.62 -0.27	24.47 0.92 -0.02	25.88 1.07 0.00	28.62 1.07 0.00	29.77 1.25 0.00	31.07 1.02 0.00	32.62 1.19 0.00	39.31 1.47 0.00	44.98 1.39 0.00	43.16 1.00 -0.60	39.15 0.90 -0.79	35.54 0.93 -0.15	31.00 0.84 0.00	27.42 0.90 0.00	23.90 0.51 -0.19
ORANGEVILLE_WT_PWR 323706	19.22 -0.19 -0.65	15.27 -0.17 -1.14	14.41 -0.07 -1.05	14.16 -0.01 -0.94	14.01 0.00 -0.97	14.69 -0.01 -1.11	17.07 -0.08 -0.77	17.20 -0.21 -1.09	20.56 -0.43 -0.45	21.59 0.04 -0.34	23.98 0.42 -0.03	25.26 0.45 0.00	27.88 0.33 0.00	29.00 0.48 0.00	30.23 0.18 0.00	31.89 0.47 0.00	38.18 0.34 0.00	43.54 -0.04 0.00	41.48 -0.08 0.00	37.39 -0.07 0.00	34.73 0.27 0.00	30.43 0.27 0.00	27.28 0.77 0.00	23.65 0.21 -0.24
ORANGEVILLE___ESR 323794	19.22 -0.19 -0.65	15.27 -0.17 -1.14	14.41 -0.07 -1.05	14.16 -0.01 -0.94	14.01 0.00 -0.97	14.69 -0.01 -1.11	17.07 -0.08 -0.77	17.20 -0.21 -1.09	20.56 -0.43 -0.45	21.59 0.04 -0.34	23.98 0.42 -0.03	25.26 0.45 0.00	27.88 0.33 0.00	29.00 0.48 0.00	30.23 0.18 0.00	31.89 0.47 0.00	38.18 0.34 0.00	43.54 -0.04 0.00	41.48 -0.08 0.00	37.39 -0.07 0.00	34.73 0.27 0.00	30.43 0.27 0.00	27.28 0.77 0.00	23.65 0.21 -0.24
OSWEGATCHIE___HYD 24044	18.57 -0.28 -0.10	14.23 -0.24 -0.17	13.31 -0.28 -0.15	13.08 -0.29 -0.14	12.88 -0.30 -0.14	13.40 -0.35 -0.16	16.09 -0.41 -0.11	16.04 -0.44 -0.16	20.01 -0.60 -0.07	20.56 -0.70 -0.05	22.82 -0.71 0.00	24.12 -0.69 0.00	26.78 -0.77 0.00	27.78 -0.74 0.00	29.27 -0.78 0.00	30.73 -0.69 0.00	37.20 -0.64 0.00	42.84 -0.74 0.00	41.78 -0.42 -0.63	38.04 -0.26 -0.83	34.45 -0.17 -0.16	29.88 -0.27 0.00	26.36 -0.16 0.00	23.14 -0.09 -0.04
OSWEGO___5 23606	18.71 -0.30 -0.26	14.56 -0.20 -0.45	13.66 -0.19 -0.42	13.43 -0.17 -0.37	13.25 -0.17 -0.39	13.87 -0.16 -0.44	16.38 -0.25 -0.24	16.40 -0.26 -0.34	20.27 -0.41 -0.14	20.87 -0.45 -0.11	23.06 -0.47 -0.01	24.32 -0.50 0.00	27.00 -0.55 0.00	27.95 -0.57 0.00	29.39 -0.66 0.00	30.79 -0.63 0.00	37.04 -0.80 0.00	42.58 -1.00 0.00	48.68 -0.75 -7.87	47.17 -0.64 -10.34	35.89 -0.55 -1.98	29.61 -0.54 0.00	26.12 -0.40 0.00	22.88 -0.42 -0.10
OSWEGO___6 23613	18.71 -0.30 -0.26	14.56 -0.20 -0.45	13.66 -0.19 -0.42	13.43 -0.17 -0.37	13.25 -0.17 -0.39	13.87 -0.16 -0.44	16.38 -0.25 -0.24	16.40 -0.26 -0.34	20.27 -0.41 -0.14	20.87 -0.45 -0.11	23.06 -0.47 -0.01	24.32 -0.50 0.00	27.00 -0.55 0.00	27.95 -0.57 0.00	29.39 -0.66 0.00	30.79 -0.63 0.00	37.04 -0.80 0.00	42.58 -1.00 0.00	48.68 -0.75 -7.87	47.17 -0.64 -10.34	35.89 -0.55 -1.98	29.61 -0.54 0.00	26.12 -0.40 0.00	22.88 -0.42 -0.10
OUTOKUMPU-AB___DRP 24206	19.01 -0.30 -0.55	15.19 -0.09 -0.97	14.43 0.11 -0.89	14.20 0.17 -0.81	14.07 0.21 -0.83	14.70 0.16 -0.95	17.12 0.08 -0.66	17.09 -0.16 -0.93	20.25 -0.68 -0.38	21.42 -0.08 -0.29	23.36 -0.19 -0.03	25.02 0.20 0.00	27.19 -0.36 0.00	28.72 0.20 0.00	29.75 -0.30 0.00	31.52 0.09 0.00	37.69 -0.15 0.00	42.89 -0.70 0.00	40.90 -0.66 0.00	36.79 -0.67 0.00	34.32 -0.14 0.00	30.13 -0.03 0.00	26.38 -0.13 0.00	23.57 0.16 -0.21
OXBOW____ 24026	18.87 -0.43 -0.55	14.98 -0.29 -0.96	14.18 -0.13 -0.88	13.97 -0.05 -0.80	13.83 -0.03 -0.82	14.45 -0.08 -0.94	16.79 -0.25 -0.65	16.75 -0.49 -0.92	20.08 -0.84 -0.38	21.20 -0.30 -0.29	23.53 -0.02 -0.03	24.72 -0.10 0.00	27.27 -0.28 0.00	28.35 -0.17 0.00	29.45 -0.60 0.00	31.11 -0.31 0.00	37.12 -0.72 0.00	42.28 -1.31 0.00	40.31 -1.25 0.00	36.30 -1.16 0.00	33.80 -0.66 0.00	29.73 -0.42 0.00	26.86 0.34 0.00	23.31 -0.09 -0.20
OXY_CHEM_DSASP 323612	18.66 -0.64 -0.54	14.96 -0.30 -0.95	14.24 -0.07 -0.88	14.03 0.01 -0.79	13.89 0.04 -0.82	14.49 -0.03 -0.93	16.83 -0.20 -0.64	16.74 -0.49 -0.91	19.79 -1.13 -0.38	20.90 -0.59 -0.29	22.68 -0.87 -0.03	24.25 -0.57 0.00	26.28 -1.27 0.00	27.72 -0.80 0.00	28.73 -1.32 0.00	30.45 -0.97 0.00	36.33 -1.51 0.00	41.32 -2.27 0.00	39.48 -2.08 0.00	35.55 -1.91 0.00	33.19 -1.28 0.00	29.07 -1.09 0.00	25.51 -1.01 0.00	22.94 -0.46 -0.20
OZONE_PARK_ESR 323760	24.01 1.48 -3.78	21.95 1.03 -6.61	20.39 0.89 -6.07	19.62 0.91 -5.48	19.57 0.89 -5.65	20.96 0.92 -6.45	21.92 1.20 -4.34	23.74 1.29 -6.13	24.91 1.83 -2.54	25.26 2.12 -1.93	26.10 2.40 -0.18	27.22 2.41 0.00	30.39 2.84 0.00	31.20 2.68 0.00	32.99 2.94 0.00	34.25 2.83 0.00	41.68 3.71 -0.13	47.99 4.40 0.00	45.34 3.78 0.00	40.76 3.30 0.00	37.11 2.65 0.00	32.81 2.65 0.00	29.03 2.52 0.00	26.71 2.11 -1.40
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	18.66 -0.64 -0.54	14.96 -0.30 -0.95	14.24 -0.07 -0.88	14.03 0.01 -0.79	13.89 0.04 -0.82	14.49 -0.03 -0.93	16.83 -0.20 -0.64	16.74 -0.49 -0.91	19.79 -1.13 -0.38	20.90 -0.59 -0.29	22.68 -0.87 -0.03	24.25 -0.57 0.00	26.28 -1.27 0.00	27.72 -0.80 0.00	28.73 -1.32 0.00	30.45 -0.97 0.00	36.33 -1.51 0.00	41.32 -2.27 0.00	39.48 -2.08 0.00	35.55 -1.91 0.00	33.19 -1.28 0.00	29.07 -1.09 0.00	25.51 -1.01 0.00	22.94 -0.46 -0.20
PACKARD___115KV_DUPONT_184 80571	18.66 -0.64 -0.54	14.96 -0.30 -0.95	14.24 -0.07 -0.88	14.03 0.01 -0.79	13.89 0.04 -0.82	14.49 -0.03 -0.93	16.83 -0.20 -0.64	16.74 -0.49 -0.91	19.79 -1.13 -0.38	20.90 -0.59 -0.29	22.68 -0.87 -0.03	24.25 -0.57 0.00	26.28 -1.27 0.00	27.72 -0.80 0.00	28.73 -1.32 0.00	30.45 -0.97 0.00	36.33 -1.51 0.00	41.32 -2.27 0.00	39.48 -2.08 0.00	35.55 -1.91 0.00	33.19 -1.28 0.00	29.07 -1.09 0.00	25.51 -1.01 0.00	22.94 -0.46 -0.20
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	23.98 1.44 -3.78	21.92 1.00 -6.61	20.34 0.83 -6.07	19.60 0.89 -5.48	19.53 0.85 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.56 1.11 -6.13	24.64 1.56 -2.54	25.03 1.89 -1.93	25.87 2.16 -0.18	26.98 2.16 0.00	30.20 2.64 -0.01	31.07 2.54 -0.01	32.72 2.67 0.00	34.03 2.61 0.00	41.49 3.52 -0.13	47.78 4.18 -0.01	44.93 3.37 0.00	40.31 2.85 0.00	36.53 2.07 0.00	32.57 2.41 0.00	28.99 2.47 -0.01	26.67 2.06 -1.41

PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	24.17 1.63 -3.78	22.06 1.14 -6.61	20.48 0.97 -6.07	19.73 1.02 -5.48	19.66 0.98 -5.65	20.98 0.94 -6.45	21.92 1.20 -4.34	23.71 1.26 -6.13	24.85 1.77 -2.54	25.24 2.10 -1.93	26.24 2.54 -0.18	27.35 2.53 0.00	30.64 3.09 -0.01	31.52 2.99 -0.01	33.02 2.97 0.00	34.35 2.92 0.00	41.91 3.94 -0.13	48.25 4.66 -0.01	45.38 3.82 0.00	40.72 3.26 0.00	36.87 2.41 0.00	32.87 2.71 0.00	29.23 2.70 -0.01	26.86 2.25 -1.41
PATROON__115KV_TB1 80586	24.20 0.54 -4.90	23.27 0.39 -8.57	21.68 0.36 -7.88	20.70 0.36 -7.11	20.72 0.35 -7.34	22.34 0.38 -8.37	21.95 0.44 -5.12	24.73 0.46 -7.95	23.36 0.58 -2.24	24.41 0.72 -2.48	24.58 0.82 -0.23	25.64 0.82 0.00	28.57 1.02 0.00	29.46 0.94 0.00	31.13 1.08 0.00	32.55 1.13 0.00	38.98 1.29 0.15	45.20 1.61 0.00	42.97 1.41 0.00	38.85 1.39 0.00	35.60 1.28 0.13	31.27 1.12 0.00	27.52 1.01 0.00	25.01 0.86 -0.96
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	18.89 -0.47 -0.60	15.11 -0.26 -1.06	14.31 -0.09 -0.97	14.06 -0.04 -0.88	13.92 -0.01 -0.90	14.60 -0.03 -1.03	16.98 -0.11 -0.71	17.07 -0.26 -1.01	20.22 -0.74 -0.42	21.34 -0.19 -0.32	23.72 0.16 -0.03	25.36 0.55 0.00	27.66 0.11 0.00	29.20 0.68 0.00	30.35 0.30 0.00	32.15 0.72 0.00	38.48 0.64 0.00	43.76 0.17 0.00	41.69 0.12 0.00	37.50 0.04 0.00	34.87 0.41 0.00	30.49 0.33 0.00	26.65 0.13 0.00	23.28 -0.14 -0.22
PAWLING_115_KV_BK3_REV_LBMP_H 345028	23.86 1.28 -3.83	21.91 0.90 -6.71	20.36 0.77 -6.16	19.56 0.77 -5.56	19.50 0.73 -5.74	20.90 0.76 -6.54	21.72 0.93 -4.41	23.57 1.03 -6.22	24.60 1.48 -2.58	24.91 1.74 -1.96	25.66 1.95 -0.18	26.88 2.06 0.00	29.95 2.40 0.00	30.86 2.34 0.00	32.66 2.61 0.00	34.00 2.58 0.00	41.21 3.25 -0.11	47.51 3.92 0.00	44.89 3.32 0.00	40.50 3.03 0.00	36.94 2.48 0.00	32.54 2.38 0.00	28.61 2.09 0.00	26.38 1.76 -1.42
PEEKSKILL____ 23653	23.64 1.16 -3.73	21.66 0.83 -6.52	20.18 0.75 -5.99	19.38 0.74 -5.41	19.33 0.72 -5.58	20.71 0.76 -6.36	21.62 0.95 -4.28	23.38 1.01 -6.05	24.44 1.40 -2.51	24.77 1.66 -1.91	25.49 1.79 -0.18	26.70 1.89 0.00	29.64 2.09 0.00	30.66 2.14 0.00	32.36 2.31 0.00	33.69 2.26 0.00	40.84 2.87 -0.13	47.03 3.44 0.00	44.47 2.91 0.00	40.05 2.58 0.00	36.63 2.17 0.00	32.24 2.08 0.00	28.26 1.75 0.00	26.23 1.65 -1.38
PGE MADISON__WINDPWR 24146	20.93 1.14 -1.03	16.98 0.86 -1.81	15.81 0.71 -1.66	15.42 0.69 -1.50	15.27 0.69 -1.55	16.12 0.76 -1.77	18.74 1.13 -1.22	19.16 1.11 -1.73	22.59 1.33 -0.71	23.28 1.53 -0.54	25.48 1.90 -0.05	26.98 2.16 0.00	29.94 2.40 0.00	31.09 2.57 0.00	32.36 2.31 0.00	34.41 2.99 0.00	41.51 3.67 0.00	47.86 4.27 0.00	46.28 3.95 -0.77	42.19 3.71 -1.01	38.24 3.58 -0.19	32.78 2.62 0.00	28.66 2.15 0.00	25.23 1.65 -0.38
PIERCEFIELD__HYD 23852	18.17 -0.58 0.00	13.81 -0.50 0.00	12.92 -0.51 0.00	12.68 -0.54 0.00	12.49 -0.55 0.00	12.90 -0.69 0.00	15.50 -0.88 0.00	15.41 -0.91 0.00	19.35 -1.19 0.00	19.85 -1.36 0.00	22.11 -1.41 0.00	23.28 -1.54 0.00	25.92 -1.63 0.00	26.89 -1.63 0.00	28.37 -1.68 0.00	29.66 -1.76 0.00	35.83 -2.01 0.00	41.36 -2.22 0.00	40.14 -1.75 -0.33	36.36 -1.54 -0.43	33.13 -1.41 -0.08	28.98 -1.18 0.00	25.69 -0.82 0.00	22.57 -0.63 0.00
PINELAWN_CC_1 323563	24.41 1.88 -3.78	22.65 1.44 -6.90	21.18 1.34 -6.40	19.98 1.27 -5.49	19.89 1.20 -5.66	21.41 1.36 -6.46	22.15 1.42 -4.34	24.04 1.58 -6.13	25.16 2.07 -2.54	25.48 2.33 -1.94	26.34 2.63 -0.18	27.52 2.71 0.00	32.58 3.17 -1.87	34.05 3.25 -2.28	33.57 3.51 -0.01	37.12 3.46 -2.24	44.87 4.35 -2.68	49.70 5.23 -0.89	46.18 4.61 -0.01	43.12 3.97 -1.69	38.01 3.55 0.00	35.03 3.32 -1.56	32.36 2.94 -2.91	31.83 2.62 -6.01
PJM_GEN_HTP_PROXY 323702	23.81 1.28 -3.78	21.82 0.90 -6.61	20.33 0.82 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.87 0.83 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.66 1.58 -2.54	25.03 1.89 -1.93	25.75 2.05 -0.18	27.22 2.11 -0.29	29.62 2.37 0.29	30.92 2.40 0.00	32.60 2.55 0.00	33.90 2.48 0.00	41.19 3.21 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.28 2.81 0.00	36.77 2.31 0.00	32.42 2.26 0.00	28.48 1.96 0.00	26.46 1.86 -1.40
PJM_GEN_KEystone 24065	21.37 0.34 -2.28	18.52 0.23 -3.99	17.33 0.23 -3.67	16.80 0.26 -3.31	16.71 0.26 -3.41	17.77 0.29 -3.89	19.36 0.34 -2.63	20.35 0.31 -3.72	22.47 0.39 -1.54	23.08 0.70 -1.17	24.53 0.89 -0.11	26.03 0.92 -0.29	28.22 0.96 0.29	29.58 1.06 0.00	31.07 1.02 0.00	32.55 1.13 0.00	39.23 1.32 -0.07	44.94 1.35 0.00	42.60 1.04 0.00	38.33 0.86 0.00	35.29 0.83 0.00	31.03 0.88 0.00	27.44 0.93 0.00	24.69 0.65 -0.84
PJM_GEN_NEPTUNE_PROXY 323594	24.03 1.50 -3.78	22.17 1.13 -6.74	20.70 1.05 -6.22	19.72 1.00 -5.49	19.63 0.94 -5.66	21.12 1.07 -6.46	21.86 1.13 -4.34	23.71 1.26 -6.13	24.77 1.68 -2.54	25.07 1.93 -1.94	25.89 2.19 -0.18	27.35 2.23 -0.29	31.68 2.56 -1.57	33.39 2.59 -2.28	32.88 2.82 -0.01	36.39 2.73 -2.23	43.55 3.44 -2.27	48.62 4.14 -0.89	45.18 3.61 -0.01	40.54 3.07 0.00	37.22 2.76 0.00	34.31 2.59 -1.56	31.75 2.33 -2.91	31.34 2.13 -6.01
PJM_GEN_VFT_PROXY 323633	23.75 1.22 -3.78	21.76 0.84 -6.61	20.27 0.77 -6.07	19.46 0.75 -5.48	19.42 0.73 -5.65	20.83 0.79 -6.45	21.74 1.02 -4.34	23.55 1.09 -6.13	24.62 1.54 -2.54	24.99 1.84 -1.93	25.68 1.98 -0.18	27.17 2.06 -0.29	29.54 2.29 0.29	30.80 2.28 0.00	32.45 2.40 0.00	33.75 2.33 0.00	41.00 3.03 -0.13	47.24 3.66 0.00	44.64 3.08 0.00	40.09 2.62 0.00	36.56 2.10 0.00	32.27 2.11 0.00	28.37 1.86 0.00	26.36 1.76 -1.40
PLATSBRG_115KV_PMLD1 355749	18.64 -0.11 0.00	14.09 -0.21 0.00	13.14 -0.30 0.00	12.83 -0.40 0.00	12.58 -0.46 0.00	13.02 -0.57 0.00	15.68 -0.70 0.00	15.65 -0.67 0.00	19.86 -0.68 0.00	20.51 -0.70 0.00	22.79 -0.73 0.00	23.97 -0.84 0.00	26.69 -0.85 0.00	27.69 -0.83 0.00	29.54 -0.51 0.00	30.83 -0.60 0.00	37.31 -0.53 0.00	43.15 -0.44 0.00	41.31 -0.25 0.00	36.94 -0.52 0.00	33.87 -0.59 0.00	29.79 -0.36 0.00	26.09 -0.42 0.00	22.64 -0.56 0.00
PLEASANTVLY__LBMP 24000	23.79 1.05 -3.99	22.03 0.74 -6.97	20.50 0.66 -6.41	19.68 0.66 -5.79	19.65 0.65 -5.97	21.08 0.68 -6.81	21.82 0.85 -4.58	23.68 0.88 -6.47	24.47 1.25 -2.68	24.74 1.48 -2.04	25.38 1.67 -0.19	26.48 1.66 0.00	29.50 1.96 0.00	30.37 1.85 0.00	32.09 2.04 0.00	33.37 1.95 0.00	40.45 2.46 -0.15	46.55 2.96 0.00	44.10 2.54 0.00	39.75 2.29 0.00	36.36 1.90 0.00	32.00 1.84 0.00	28.24 1.72 0.00	26.14 1.46 -1.48
PLSNTVLE_13_KV_13.8KVDIST 80602	23.79 1.22 -3.81	21.84 0.86 -6.67	20.32 0.75 -6.13	19.53 0.77 -5.54	19.48 0.74 -5.71	20.88 0.77 -6.51	21.75 0.98 -4.38	23.56 1.04 -6.19	24.58 1.48 -2.56	24.90 1.74 -1.95	25.68 1.98 -0.18	26.80 1.99 0.00	29.89 2.34 0.00	30.74 2.22 0.00	32.51 2.46 0.00	33.81 2.39 0.00	41.00 3.03 -0.14	47.20 3.62 0.00	44.68 3.12 0.00	40.24 2.77 0.00	36.77 2.31 0.00	32.39 2.23 0.00	28.61 2.09 0.00	26.38 1.76 -1.41

PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	23.79 1.22 -3.81	21.84 0.86 -6.67	20.32 0.75 -6.13	19.53 0.77 -5.54	19.48 0.74 -5.71	20.88 0.77 -6.51	21.75 0.98 -4.38	23.56 1.04 -6.19	24.58 1.48 -2.56	24.90 1.74 -1.95	25.68 1.98 -0.18	26.80 1.99 0.00	29.89 2.34 0.00	30.74 2.22 0.00	32.51 2.46 0.00	33.81 2.39 0.00	41.00 3.03 -0.14	47.20 3.62 0.00	44.68 3.12 0.00	40.24 2.77 0.00	36.77 2.31 0.00	32.39 2.23 0.00	28.61 2.09 0.00	26.38 1.76 -1.41
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	23.79 1.14 -3.89	21.90 0.79 -6.80	20.39 0.70 -6.25	19.57 0.70 -5.65	19.55 0.69 -5.82	20.96 0.73 -6.64	21.77 0.92 -4.47	23.56 0.93 -6.31	24.49 1.34 -2.61	24.77 1.57 -1.99	25.47 1.76 -0.18	26.60 1.79 0.00	29.64 2.09 0.00	30.57 2.05 0.00	32.30 2.25 0.00	33.59 2.17 0.00	40.56 2.76 0.04	46.72 3.14 0.00	44.30 2.74 0.00	39.97 2.51 0.00	36.56 2.10 0.00	32.15 1.99 0.00	28.34 1.83 0.00	26.17 1.53 -1.44
POLETTI____ 23519	23.80 1.28 -3.78	21.79 0.87 -6.61	20.26 0.75 -6.07	19.48 0.77 -5.48	19.44 0.76 -5.65	20.83 0.79 -6.45	21.76 1.03 -4.34	23.56 1.11 -6.13	24.66 1.58 -2.54	25.03 1.89 -1.93	25.82 2.12 -0.18	26.93 2.11 0.00	30.06 2.51 0.00	30.86 2.34 0.00	32.60 2.55 0.00	33.87 2.45 0.00	41.19 3.22 -0.13	47.42 3.84 0.00	44.80 3.24 0.00	40.27 2.81 0.00	36.70 2.24 0.00	32.42 2.26 0.00	28.71 2.20 0.00	26.43 1.83 -1.40
POMONA____ESR 323819	23.50 1.14 -3.60	21.41 0.80 -6.30	19.95 0.72 -5.79	19.17 0.71 -5.23	19.13 0.70 -5.39	20.49 0.75 -6.15	21.48 0.95 -4.14	23.17 1.00 -5.85	24.34 1.38 -2.42	24.69 1.63 -1.85	25.46 1.77 -0.17	26.65 1.84 0.00	29.62 2.07 0.00	30.66 2.14 0.00	32.33 2.28 0.00	33.69 2.26 0.00	40.84 2.87 -0.12	46.89 3.31 0.00	44.39 2.83 0.00	39.98 2.51 0.00	36.56 2.10 0.00	32.18 2.02 0.00	28.21 1.70 0.00	26.13 1.60 -1.33
PORT_JEFF_3 23555	24.46 1.93 -3.78	22.78 1.56 -6.91	21.35 1.48 -6.44	20.11 1.40 -5.49	20.02 1.33 -5.66	21.56 1.51 -6.46	22.17 1.44 -4.34	24.06 1.60 -6.13	25.16 2.07 -2.54	25.46 2.31 -1.94	26.27 2.56 -0.18	27.42 2.61 0.00	32.64 3.22 -1.87	34.16 3.36 -2.28	33.66 3.60 -0.01	37.26 3.55 -2.29	46.51 4.39 -4.29	49.80 5.32 -0.90	46.19 4.61 -0.02	49.67 4.01 -8.20	38.17 3.65 -0.06	35.18 3.47 -1.56	32.41 3.00 -2.91	31.97 2.76 -6.01
PORT_JEFF_4 23616	24.46 1.93 -3.78	22.78 1.56 -6.91	21.35 1.48 -6.44	20.11 1.40 -5.49	20.02 1.33 -5.66	21.56 1.51 -6.46	22.17 1.44 -4.34	24.06 1.60 -6.13	25.16 2.07 -2.54	25.46 2.31 -1.94	26.27 2.56 -0.18	27.42 2.61 0.00	32.64 3.22 -1.87	34.16 3.36 -2.28	33.66 3.60 -0.01	37.26 3.55 -2.29	46.51 4.39 -4.29	49.80 5.32 -0.90	46.19 4.61 -0.02	49.67 4.01 -8.20	38.17 3.65 -0.06	35.18 3.47 -1.56	32.41 3.00 -2.91	31.97 2.76 -6.01
PORT_JEFF_IC 23713	24.48 1.95 -3.78	22.81 1.59 -6.91	21.38 1.50 -6.44	20.14 1.43 -5.49	20.03 1.34 -5.66	21.57 1.52 -6.46	22.19 1.46 -4.34	24.07 1.62 -6.13	25.14 2.05 -2.54	25.44 2.29 -1.94	26.24 2.54 -0.18	27.40 2.58 0.00	32.66 3.25 -1.87	34.22 3.42 -2.28	33.75 3.70 -0.01	37.40 3.67 -2.30	46.65 4.35 -4.46	49.72 5.23 -0.91	46.11 4.53 -0.02	50.40 4.05 -8.89	38.29 3.76 -0.07	35.24 3.53 -1.56	32.49 3.07 -2.91	32.01 2.81 -6.01
PPL PILGRIM_ST_GT1 24216	24.56 2.03 -3.78	22.81 1.59 -6.91	21.35 1.49 -6.42	20.11 1.40 -5.49	20.02 1.33 -5.66	21.56 1.51 -6.46	22.27 1.54 -4.34	24.15 1.70 -6.13	25.30 2.22 -2.54	25.62 2.48 -1.94	26.50 2.80 -0.18	27.72 2.90 0.00	32.86 3.44 -1.87	34.36 3.56 -2.28	33.84 3.79 -0.01	37.34 3.67 -2.24	47.13 4.69 -4.60	50.14 5.66 -0.89	46.47 4.90 -0.01	51.35 4.23 -9.65	38.23 3.76 -0.01	35.30 3.59 -1.56	32.57 3.15 -2.91	32.04 2.83 -6.01
PPL PILGRIM_ST_GT2 24217	24.56 2.03 -3.78	22.81 1.59 -6.91	21.35 1.49 -6.42	20.11 1.40 -5.49	20.02 1.33 -5.66	21.56 1.51 -6.46	22.27 1.54 -4.34	24.15 1.70 -6.13	25.30 2.22 -2.54	25.62 2.48 -1.94	26.50 2.80 -0.18	27.72 2.90 0.00	32.86 3.44 -1.87	34.36 3.56 -2.28	33.84 3.79 -0.01	37.34 3.67 -2.24	47.13 4.69 -4.60	50.14 5.66 -0.89	46.47 4.90 -0.01	51.35 4.23 -9.65	38.23 3.76 -0.01	35.30 3.59 -1.56	32.57 3.15 -2.91	32.04 2.83 -6.01
PPL_SHRM_GT3 24213	24.29 1.76 -3.78	22.81 1.59 -6.91	21.40 1.53 -6.44	20.17 1.45 -5.49	20.08 1.40 -5.66	21.63 1.58 -6.46	21.99 1.26 -4.34	23.88 1.42 -6.13	24.97 1.89 -2.54	25.26 2.12 -1.94	26.13 2.42 -0.18	27.27 2.46 0.00	32.47 3.06 -1.87	34.05 3.25 -2.28	33.51 3.45 -0.01	37.11 3.39 -2.29	46.51 4.35 -4.32	49.76 5.27 -0.90	46.19 4.61 -0.02	49.72 3.93 -8.32	38.04 3.52 -0.06	35.03 3.32 -1.56	32.23 2.81 -2.91	31.80 2.60 -6.01
PPL_SHRM_GT4 24214	24.29 1.76 -3.78	22.81 1.59 -6.91	21.40 1.53 -6.44	20.17 1.45 -5.49	20.08 1.40 -5.66	21.63 1.58 -6.46	21.99 1.26 -4.34	23.88 1.42 -6.13	24.97 1.89 -2.54	25.26 2.12 -1.94	26.13 2.42 -0.18	27.27 2.46 0.00	32.47 3.06 -1.87	34.05 3.25 -2.28	33.51 3.45 -0.01	37.11 3.39 -2.29	46.51 4.35 -4.32	49.76 5.27 -0.90	46.19 4.61 -0.02	49.72 3.93 -8.32	38.04 3.52 -0.06	35.03 3.32 -1.56	32.23 2.81 -2.91	31.80 2.60 -6.01
PROJECT___ORANGE 1 24174	19.02 -0.06 -0.32	14.88 0.01 -0.56	13.98 0.03 -0.52	13.72 0.03 -0.47	13.54 0.03 -0.48	14.19 0.05 -0.55	16.92 0.15 -0.39	17.02 0.15 -0.55	20.83 0.06 -0.23	21.49 0.11 -0.17	23.68 0.14 -0.02	25.04 0.22 0.00	27.69 0.14 0.00	28.81 0.29 0.00	30.23 0.18 0.00	31.77 0.35 0.00	38.22 0.38 0.00	43.80 0.22 0.00	42.54 -0.04 -1.02	38.80 0.00 -1.34	34.75 0.03 -0.26	30.10 -0.06 0.00	26.38 -0.13 0.00	23.25 -0.07 -0.12
PROJECT___ORANGE 2 24166	19.02 -0.06 -0.32	14.88 0.01 -0.56	13.98 0.03 -0.52	13.72 0.03 -0.47	13.54 0.03 -0.48	14.19 0.05 -0.55	16.92 0.15 -0.39	17.02 0.15 -0.55	20.83 0.06 -0.23	21.49 0.11 -0.17	23.68 0.14 -0.02	25.04 0.22 0.00	27.69 0.14 0.00	28.81 0.29 0.00	30.23 0.18 0.00	31.77 0.35 0.00	38.22 0.38 0.00	43.80 0.22 0.00	42.54 -0.04 -1.02	38.80 0.00 -1.34	34.75 0.03 -0.26	30.10 -0.06 0.00	26.38 -0.13 0.00	23.25 -0.07 -0.12
PUCKETT___SOLAR 323809	20.29 0.41 -1.13	16.59 0.31 -1.97	15.54 0.30 -1.81	15.17 0.30 -1.63	15.02 0.30 -1.68	15.85 0.34 -1.92	18.19 0.48 -1.33	18.64 0.44 -1.88	21.77 0.45 -0.78	22.37 0.57 -0.59	24.33 0.75 -0.05	25.64 0.82 0.00	28.40 0.85 0.00	29.49 0.97 0.00	30.89 0.84 0.00	32.59 1.16 0.00	39.28 1.44 0.00	45.20 1.61 0.00	43.75 1.49 -0.70	39.80 1.42 -0.91	36.02 1.38 -0.18	31.27 1.12 0.00	27.52 1.01 0.00	24.31 0.70 -0.42
PYRITES___HYD 24023	18.38 -0.38 0.00	13.98 -0.33 0.00	13.06 -0.38 0.00	12.83 -0.40 0.00	12.63 -0.40 0.00	13.12 -0.48 0.00	15.79 -0.59 0.00	15.72 -0.60 0.00	19.76 -0.78 0.00	20.28 -0.93 0.00	22.65 -0.87 0.00	23.87 -0.94 0.00	26.61 -0.94 0.00	27.61 -0.91 0.00	29.00 -1.05 0.00	30.35 -1.07 0.00	36.63 -1.21 0.00	42.19 -1.39 0.00	40.91 -0.96 -0.30	37.07 -0.79 -0.40	33.85 -0.69 -0.08	29.55 -0.60 0.00	26.09 -0.42 0.00	22.85 -0.35 0.00

QUAKERRD_115KV_BK1 80622	18.80 -0.38 -0.42	14.82 -0.21 -0.73	13.97 -0.13 -0.67	13.71 -0.12 -0.61	13.55 -0.10 -0.63	14.21 -0.10 -0.71	16.78 -0.10 -0.49	16.86 -0.16 -0.70	20.38 -0.45 -0.29	21.22 -0.21 -0.22	23.14 -0.40 -0.02	24.64 -0.17 0.00	27.08 -0.47 0.00	28.32 -0.20 0.00	29.54 -0.51 0.00	31.17 -0.25 0.00	37.46 -0.38 0.00	42.80 -0.78 0.00	40.85 -0.71 0.00	36.79 -0.67 0.00	34.05 -0.41 0.00	29.70 -0.45 0.00	26.01 -0.50 0.00	23.15 -0.21 -0.15
QUENSBRY_115KV_TB8 356137	25.18 1.39 -5.04	24.17 1.04 -8.82	22.51 0.97 -8.11	21.48 0.94 -7.32	21.52 0.94 -7.55	23.22 1.02 -8.60	23.89 1.29 -6.21	25.76 1.24 -8.20	26.46 1.77 -4.15	25.81 2.01 -2.59	25.76 2.00 -0.24	26.85 2.04 0.00	29.86 2.31 0.00	30.83 2.31 0.00	32.72 2.67 0.00	34.03 2.61 0.00	40.63 2.95 0.16	47.20 3.62 0.00	45.30 3.74 0.00	41.06 3.60 0.00	38.26 3.69 -0.11	33.26 3.11 0.00	29.14 2.62 0.00	27.93 2.16 -2.57
RAMAPO___LBMP 323565	23.41 1.07 -3.59	21.33 0.74 -6.27	19.85 0.64 -5.77	19.10 0.66 -5.21	19.04 0.64 -5.37	20.39 0.68 -6.12	21.36 0.85 -4.12	23.06 0.91 -5.82	24.27 1.31 -2.41	24.59 1.55 -1.84	25.41 1.72 -0.17	26.55 1.74 0.00	29.62 2.07 0.00	30.49 1.97 0.00	32.21 2.16 0.00	33.53 2.11 0.00	40.65 2.69 -0.12	46.72 3.14 0.00	44.22 2.66 0.00	39.82 2.36 0.00	36.39 1.93 0.00	32.06 1.90 0.00	28.29 1.78 0.00	26.04 1.51 -1.33
RANKINE____ 23646	19.12 -0.23 -0.59	15.28 -0.06 -1.03	14.49 0.11 -0.95	14.24 0.16 -0.86	14.10 0.18 -0.88	14.78 0.18 -1.01	17.20 0.11 -0.70	17.24 -0.07 -0.99	20.42 -0.53 -0.41	21.56 0.04 -0.31	23.65 0.09 -0.03	25.31 0.50 0.00	27.55 0.00 0.00	29.09 0.57 0.00	30.17 0.12 0.00	31.96 0.53 0.00	38.22 0.38 0.00	43.50 -0.09 0.00	41.48 -0.08 0.00	37.31 -0.15 0.00	34.77 0.31 0.00	30.40 0.24 0.00	26.62 0.11 0.00	23.60 0.19 -0.22
RAVENSWOOD_GT2_1 24244	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.73 2.27 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
RAVENSWOOD_GT2_2 24245	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.73 2.27 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
RAVENSWOOD_GT2_3 24246	23.86 1.33 -3.78	21.83 0.92 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.48 0.79 -5.65	20.86 0.82 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.87 2.16 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.94 2.42 0.00	32.69 2.64 0.00	33.97 2.55 0.00	41.27 3.29 -0.13	47.51 3.92 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.51 2.35 0.00	28.77 2.25 0.00	26.50 1.90 -1.40
RAVENSWOOD_GT2_4 24247	23.86 1.33 -3.78	21.83 0.92 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.48 0.79 -5.65	20.86 0.82 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.87 2.16 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.94 2.42 0.00	32.69 2.64 0.00	33.97 2.55 0.00	41.27 3.29 -0.13	47.51 3.92 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.51 2.35 0.00	28.77 2.25 0.00	26.50 1.90 -1.40
RAVENSWOOD_GT3_1 24248	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.73 2.27 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
RAVENSWOOD_GT3_2 24249	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.92 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.73 2.27 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
RAVENSWOOD_GT3_3 24250	23.88 1.35 -3.78	21.84 0.93 -6.61	20.30 0.79 -6.07	19.53 0.82 -5.48	19.48 0.79 -5.65	20.87 0.83 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.89 2.19 -0.18	27.03 2.21 0.00	30.17 2.62 0.00	30.97 2.45 0.00	32.72 2.67 0.00	34.00 2.58 0.00	41.34 3.37 -0.13	47.55 3.97 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.80 2.34 0.00	32.54 2.38 0.00	28.79 2.28 0.00	26.53 1.93 -1.40
RAVENSWOOD_GT3_4 24251	23.88 1.35 -3.78	21.84 0.93 -6.61	20.30 0.79 -6.07	19.53 0.82 -5.48	19.48 0.79 -5.65	20.87 0.83 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.89 2.19 -0.18	27.03 2.21 0.00	30.17 2.62 0.00	30.97 2.45 0.00	32.72 2.67 0.00	34.00 2.58 0.00	41.34 3.37 -0.13	47.55 3.97 0.00	44.97 3.41 0.00	40.42 2.96 0.00	36.80 2.34 0.00	32.54 2.38 0.00	28.79 2.28 0.00	26.53 1.93 -1.40
RAVENSWOOD_GT_1 23729	23.95 1.41 -3.79	21.90 0.99 -6.61	20.42 0.91 -6.07	19.60 0.89 -5.48	19.55 0.86 -5.65	20.91 0.87 -6.45	21.86 1.13 -4.34	23.66 1.21 -6.13	24.74 1.66 -2.54	25.12 1.97 -1.93	25.87 2.16 -0.18	27.05 2.23 0.00	30.12 2.56 -0.01	31.12 2.59 -0.01	32.76 2.71 0.00	34.03 2.61 0.00	41.42 3.44 -0.13	47.73 4.14 0.00	44.97 3.41 0.00	40.39 2.92 0.00	36.77 2.31 0.00	32.54 2.38 0.00	28.67 2.15 -0.01	26.63 2.02 -1.41
RAVENSWOOD_GT_10 24258	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.91 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
RAVENSWOOD_GT_11 24259	23.84 1.31 -3.78	21.84 0.93 -6.61	20.35 0.85 -6.07	19.54 0.83 -5.48	19.50 0.81 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.97 2.42 0.00	30.94 2.42 0.00	32.63 2.58 0.00	33.94 2.51 0.00	41.23 3.25 -0.13	47.46 3.88 0.00	44.89 3.33 0.00	40.35 2.89 0.00	36.80 2.34 0.00	32.45 2.29 0.00	28.53 2.01 0.00	26.50 1.90 -1.40



RAVENSWOOD_GT_4 24252	23.82 1.29 -3.77	21.82 0.90 -6.61	20.29 0.78 -6.07	19.50 0.79 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.95 2.13 0.00	30.08 2.53 0.01	30.91 2.40 0.01	32.66 2.61 0.00	33.94 2.51 0.00	41.23 3.25 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.01	26.45 1.86 -1.39
RAVENSWOOD_GT_5 24254	23.82 1.29 -3.77	21.82 0.90 -6.61	20.29 0.78 -6.07	19.50 0.79 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.95 2.13 0.00	30.08 2.53 0.01	30.91 2.40 0.01	32.66 2.61 0.00	33.94 2.51 0.00	41.23 3.25 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.01	26.45 1.86 -1.39
RAVENSWOOD_GT_6 24253	23.82 1.29 -3.77	21.82 0.90 -6.61	20.29 0.78 -6.07	19.50 0.79 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.95 2.13 0.00	30.08 2.53 0.01	30.91 2.40 0.01	32.66 2.61 0.00	33.94 2.51 0.00	41.23 3.25 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.01	26.45 1.86 -1.39
RAVENSWOOD_GT_7 24255	23.82 1.29 -3.77	21.82 0.90 -6.61	20.29 0.78 -6.07	19.50 0.79 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.95 2.13 0.00	30.08 2.53 0.01	30.91 2.40 0.01	32.66 2.61 0.00	33.94 2.51 0.00	41.23 3.25 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.01	26.45 1.86 -1.39
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.91 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
RAVENSWOOD_GT_9 24257	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.52 0.81 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.77 1.05 -4.34	23.58 1.13 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.84 2.14 -0.18	26.98 2.16 0.00	30.11 2.56 0.00	30.91 2.40 0.00	32.66 2.61 0.00	33.94 2.51 0.00	41.27 3.29 -0.13	47.46 3.88 0.00	44.89 3.32 0.00	40.35 2.88 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.48 1.88 -1.40
RAVENSWOOD___1 23533	23.94 1.41 -3.78	21.89 0.97 -6.61	20.41 0.90 -6.07	19.60 0.89 -5.48	19.53 0.85 -5.65	20.91 0.87 -6.45	21.84 1.11 -4.34	23.65 1.19 -6.13	24.74 1.66 -2.54	25.12 1.97 -1.93	25.84 2.14 -0.18	27.03 2.21 0.00	30.09 2.53 -0.01	31.10 2.57 -0.01	32.72 2.67 0.00	34.03 2.61 0.00	41.38 3.41 -0.13	47.68 4.10 0.00	44.97 3.41 0.00	40.39 2.92 0.00	36.77 2.31 0.00	32.54 2.38 0.00	28.64 2.12 -0.01	26.63 2.02 -1.41
RAVENSWOOD___2 23534	23.93 1.39 -3.78	21.89 0.97 -6.61	20.41 0.90 -6.07	19.58 0.87 -5.48	19.53 0.85 -5.65	20.90 0.86 -6.45	21.84 1.11 -4.34	23.63 1.18 -6.13	24.73 1.64 -2.54	25.09 1.95 -1.93	25.84 2.14 -0.18	27.03 2.21 0.00	30.09 2.53 -0.01	31.10 2.57 -0.01	32.72 2.67 0.00	34.03 2.61 0.00	41.38 3.41 -0.13	47.68 4.10 0.00	44.97 3.41 0.00	40.35 2.89 0.00	36.73 2.27 0.00	32.51 2.35 0.00	28.64 2.12 -0.01	26.60 2.00 -1.41
RAVENSWOOD___3 23535	23.84 1.31 -3.78	21.84 0.93 -6.61	20.35 0.85 -6.07	19.54 0.83 -5.48	19.50 0.81 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.61 1.16 -6.13	24.70 1.62 -2.54	25.05 1.91 -1.93	25.77 2.07 -0.18	26.98 2.16 0.00	29.97 2.42 0.00	30.97 2.45 0.00	32.63 2.58 0.00	33.94 2.51 0.00	41.23 3.25 -0.13	47.51 3.92 0.00	44.89 3.33 0.00	40.35 2.89 0.00	36.80 2.34 0.00	32.48 2.32 0.00	28.53 2.01 0.00	26.50 1.90 -1.40
RAVENSWOOD___4 23820	23.92 1.39 -3.78	21.89 0.97 -6.61	20.39 0.89 -6.07	19.58 0.87 -5.48	19.52 0.83 -5.65	20.90 0.86 -6.45	21.82 1.10 -4.34	23.63 1.18 -6.13	24.73 1.64 -2.54	25.09 1.95 -1.93	25.82 2.12 -0.18	27.03 2.21 0.00	30.09 2.53 -0.01	31.06 2.54 -0.01	32.69 2.65 0.00	34.00 2.58 0.00	41.38 3.41 -0.13	47.68 4.10 0.00	44.93 3.36 0.00	40.35 2.89 0.00	36.73 2.27 0.00	32.51 2.35 0.00	28.64 2.12 -0.01	26.60 2.00 -1.41
RCPI_TRUST___DRP 24196	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.50 0.79 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.70 1.62 -2.54	25.07 1.93 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.14 2.59 0.00	30.94 2.42 0.00	32.69 2.64 0.00	33.97 2.55 0.00	41.30 3.33 -0.13	47.51 3.92 0.00	44.93 3.37 0.00	40.39 2.92 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.46 1.86 -1.40
RED___ROCHESTER 323720	19.45 0.26 -0.44	15.26 0.19 -0.76	14.36 0.23 -0.70	14.12 0.26 -0.63	13.96 0.27 -0.65	14.61 0.27 -0.74	17.24 0.34 -0.51	17.31 0.26 -0.73	21.05 0.21 -0.30	22.01 0.57 -0.23	24.23 0.68 -0.02	25.59 0.77 0.00	28.32 0.77 0.00	29.43 0.91 0.00	30.71 0.66 0.00	32.40 0.98 0.00	38.90 1.06 0.00	44.37 0.79 0.00	42.35 0.79 0.00	38.17 0.71 0.00	35.32 0.86 0.00	30.88 0.72 0.00	27.52 1.01 0.00	24.06 0.70 -0.16
REGAN___SOLAR 323812	26.15 1.65 -5.75	25.68 1.32 -10.05	23.89 1.21 -9.24	22.76 1.19 -8.34	22.82 1.19 -8.60	24.71 1.30 -9.81	24.67 1.67 -6.61	27.24 1.58 -9.33	26.57 2.16 -3.87	26.51 2.35 -2.95	26.81 3.01 -0.27	27.94 3.13 0.00	31.08 3.53 0.00	32.14 3.62 0.00	33.44 3.39 0.00	35.07 3.64 0.00	41.93 4.20 0.11	48.72 5.14 0.00	46.55 4.99 0.00	42.22 4.76 0.00	38.94 4.48 0.00	33.89 3.74 0.00	29.56 3.05 0.00	27.93 2.60 -2.13
RENSSELAER___COGEN 23796	24.04 0.45 -4.84	23.13 0.36 -8.47	21.55 0.34 -7.78	20.60 0.34 -7.03	20.63 0.35 -7.25	22.21 0.35 -8.26	21.75 0.41 -4.95	24.59 0.41 -7.86	23.22 0.55 -2.12	24.36 0.68 -2.48	24.48 0.73 -0.23	25.59 0.77 0.00	28.40 0.85 0.00	29.37 0.85 0.00	31.01 0.96 0.00	32.30 0.88 0.00	38.72 1.02 0.14	44.89 1.31 0.00	42.72 1.16 0.00	38.55 1.09 0.00	35.33 1.03 0.16	31.06 0.90 0.00	27.23 0.72 0.00	24.70 0.72 -0.77
REPUBLIC_115KV_BARTNBRK 55605	25.95 2.16 -5.03	24.75 1.63 -8.81	23.02 1.49 -8.10	22.01 1.47 -7.31	22.03 1.46 -7.54	23.79 1.60 -8.60	24.64 2.03 -6.23	26.49 1.98 -8.19	27.54 2.81 -4.19	26.91 3.12 -2.59	27.10 3.34 -0.24	28.39 3.57 0.00	31.60 4.05 0.00	32.71 4.19 0.00	34.65 4.60 0.00	35.92 4.49 0.00	42.78 5.11 0.16	49.47 5.88 0.00	47.50 5.94 0.00	43.23 5.77 0.00	40.30 5.72 -0.12	35.04 4.89 0.00	30.57 4.06 0.00	29.10 3.29 -2.61

REVERE_CPPR_DRP 24186	19.42 0.49 -0.18	15.01 0.39 -0.32	14.03 0.31 -0.29	13.78 0.29 -0.26	13.60 0.30 -0.27	14.24 0.34 -0.31	17.13 0.52 -0.22	17.19 0.55 -0.31	21.37 0.70 -0.13	22.05 0.74 -0.10	24.47 0.94 -0.01	25.91 1.09 0.00	28.71 1.16 0.00	29.83 1.31 0.00	31.25 1.20 0.00	32.90 1.48 0.00	39.77 1.93 0.00	45.76 2.18 0.00	44.12 2.04 -0.52	40.06 1.91 -0.69	36.49 1.90 -0.13	31.42 1.27 0.00	27.47 0.95 0.00	24.08 0.81 -0.07
REYNOLDS_115KV_TB3 80639	24.22 0.62 -4.85	23.23 0.44 -8.48	21.66 0.43 -7.80	20.68 0.41 -7.04	20.71 0.42 -7.26	22.29 0.42 -8.28	21.66 0.49 -4.78	24.66 0.47 -7.86	23.07 0.72 -1.81	24.56 0.87 -2.48	24.72 0.96 -0.23	25.76 0.94 0.00	28.68 1.13 0.00	29.58 1.06 0.00	31.25 1.20 0.00	32.52 1.10 0.00	38.92 1.25 0.17	45.20 1.61 0.00	42.97 1.41 0.00	38.81 1.35 0.00	35.53 1.28 0.21	31.27 1.12 0.00	27.55 1.03 0.00	24.58 0.90 -0.47
RIVERBAY____ 323610	24.17 1.63 -3.78	22.06 1.14 -6.61	20.48 0.97 -6.07	19.73 1.02 -5.48	19.66 0.98 -5.65	20.98 0.94 -6.45	21.92 1.20 -4.34	23.71 1.26 -6.13	24.85 1.77 -2.54	25.24 2.10 -1.93	26.24 2.54 -0.18	27.35 2.53 0.00	30.64 3.09 -0.01	31.52 2.99 -0.01	33.02 2.97 0.00	34.35 2.92 0.00	41.91 3.94 -0.13	48.25 4.66 -0.01	45.38 3.82 0.00	40.72 3.26 0.00	36.87 2.41 0.00	32.87 2.71 0.00	29.23 2.70 -0.01	26.86 2.25 -1.41
RIVERSDE_115KV_TB3 55908	24.16 0.54 -4.86	23.21 0.39 -8.51	21.63 0.38 -7.82	20.65 0.36 -7.06	20.68 0.36 -7.28	22.28 0.38 -8.31	21.76 0.44 -4.93	24.65 0.44 -7.89	23.29 0.68 -2.07	24.53 0.83 -2.49	24.69 0.94 -0.23	25.74 0.92 0.00	28.65 1.10 0.00	29.55 1.03 0.00	31.22 1.17 0.00	32.49 1.07 0.00	38.89 1.21 0.16	45.11 1.53 0.00	42.89 1.33 0.00	38.78 1.31 0.00	35.49 1.21 0.17	31.21 1.06 0.00	27.49 0.98 0.00	24.73 0.84 -0.70
ROARING__BROOK_WT_PWR 323790	17.89 -0.86 0.00	13.61 -0.70 0.00	12.75 -0.68 0.00	12.54 -0.69 0.00	12.37 -0.66 0.00	12.91 -0.68 0.00	15.60 -0.79 0.00	15.62 -0.70 0.00	19.76 -0.78 0.00	20.53 -0.68 0.00	22.89 -0.63 0.00	24.22 -0.60 0.00	26.89 -0.66 0.00	27.81 -0.71 0.00	29.33 -0.72 0.00	30.76 -0.66 0.00	37.16 -0.68 0.00	42.97 -0.61 0.00	41.02 -0.54 0.00	36.79 -0.67 0.00	33.67 -0.79 0.00	29.34 -0.81 0.00	25.66 -0.85 0.00	22.39 -0.81 0.00
ROCHESRG_115KV_T4 355643	19.20 0.02 -0.43	15.16 0.10 -0.76	14.32 0.19 -0.70	14.07 0.21 -0.63	13.90 0.22 -0.65	14.56 0.23 -0.74	17.17 0.28 -0.51	17.21 0.16 -0.72	20.76 -0.08 -0.30	21.69 0.25 -0.23	23.62 0.07 -0.02	25.16 0.35 0.00	27.58 0.03 0.00	28.89 0.37 0.00	30.11 0.06 0.00	31.80 0.38 0.00	38.14 0.30 0.00	43.54 -0.04 0.00	41.56 0.00 0.00	37.46 0.00 0.00	34.70 0.24 0.00	30.31 0.15 0.00	26.54 0.03 0.00	23.69 0.32 -0.16
ROCHESTER_9_IC 23652	19.34 0.15 -0.44	15.26 0.19 -0.76	14.40 0.27 -0.70	14.15 0.29 -0.63	13.98 0.30 -0.65	14.65 0.31 -0.74	17.29 0.39 -0.51	17.34 0.29 -0.73	20.93 0.08 -0.30	21.88 0.45 -0.23	23.80 0.26 -0.02	25.39 0.57 0.00	27.82 0.28 0.00	29.18 0.66 0.00	30.41 0.36 0.00	32.11 0.69 0.00	38.56 0.72 0.00	43.98 0.39 0.00	42.02 0.46 0.00	37.84 0.37 0.00	35.05 0.59 0.00	30.61 0.45 0.00	26.78 0.27 0.00	23.90 0.53 -0.16
ROCKVIEW_13_KV_LD 356306	23.84 1.31 -3.78	21.85 0.93 -6.61	20.31 0.81 -6.07	19.53 0.82 -5.48	19.48 0.79 -5.65	20.87 0.83 -6.45	21.78 1.05 -4.34	23.58 1.13 -6.13	24.68 1.60 -2.54	25.03 1.89 -1.93	25.82 2.12 -0.18	26.95 2.13 0.00	30.08 2.53 0.00	30.94 2.42 0.00	32.69 2.64 0.00	34.00 2.58 0.00	41.27 3.29 -0.13	47.51 3.92 0.00	44.97 3.41 0.00	40.46 3.00 0.00	36.98 2.52 0.00	32.60 2.44 0.00	28.77 2.25 0.00	26.50 1.90 -1.40
ROME____115KV_TB2 80656	19.42 0.49 -0.18	15.01 0.39 -0.32	14.03 0.31 -0.29	13.78 0.29 -0.26	13.60 0.30 -0.27	14.24 0.34 -0.31	17.13 0.52 -0.22	17.19 0.55 -0.31	21.37 0.70 -0.13	22.05 0.74 -0.10	24.47 0.94 -0.01	25.91 1.09 0.00	28.71 1.16 0.00	29.83 1.31 0.00	31.25 1.20 0.00	32.90 1.48 0.00	39.77 1.93 0.00	45.76 2.18 0.00	44.12 2.04 -0.52	40.06 1.91 -0.69	36.49 1.90 -0.13	31.42 1.27 0.00	27.47 0.95 0.00	24.08 0.81 -0.07
ROSETON__1 23587	23.54 1.01 -3.77	21.66 0.74 -6.61	20.19 0.68 -6.07	19.38 0.67 -5.48	19.34 0.65 -5.65	20.73 0.69 -6.45	21.59 0.87 -4.34	23.35 0.90 -6.13	24.31 1.23 -2.54	24.61 1.46 -1.93	25.25 1.55 -0.18	26.45 1.64 0.00	29.37 1.82 0.00	30.37 1.85 0.00	32.03 1.98 0.00	33.37 1.95 0.00	40.42 2.46 -0.12	46.50 2.92 0.00	44.05 2.49 0.00	39.67 2.21 0.00	36.35 1.89 0.00	31.94 1.78 0.00	28.02 1.51 0.00	26.04 1.44 -1.40
ROSETON__2 23588	23.54 1.01 -3.77	21.66 0.74 -6.61	20.19 0.68 -6.07	19.38 0.67 -5.48	19.34 0.65 -5.65	20.73 0.69 -6.45	21.59 0.87 -4.34	23.35 0.90 -6.13	24.31 1.23 -2.54	24.61 1.46 -1.93	25.25 1.55 -0.18	26.45 1.64 0.00	29.37 1.82 0.00	30.37 1.85 0.00	32.03 1.98 0.00	33.37 1.95 0.00	40.42 2.46 -0.12	46.50 2.92 0.00	44.05 2.49 0.00	39.67 2.21 0.00	36.35 1.89 0.00	31.94 1.78 0.00	28.02 1.51 0.00	26.04 1.44 -1.40
ROTTTRDAM_115KV_TB3 80664	24.64 0.79 -5.10	23.82 0.59 -8.93	22.19 0.55 -8.21	21.18 0.54 -7.41	21.22 0.55 -7.64	22.88 0.57 -8.72	22.96 0.70 -5.87	25.30 0.69 -8.29	25.03 0.99 -3.51	24.97 1.15 -2.62	25.04 1.27 -0.24	26.11 1.29 0.00	29.04 1.49 0.00	29.97 1.45 0.00	31.64 1.59 0.00	32.96 1.54 0.00	39.49 1.78 0.13	45.81 2.22 0.00	43.60 2.04 0.00	39.38 1.91 0.00	36.26 1.79 -0.01	31.75 1.60 0.00	27.92 1.41 0.00	26.34 1.18 -1.96
RUSSELL__1 23602	19.45 0.26 -0.44	15.34 0.27 -0.76	14.47 0.34 -0.70	14.22 0.36 -0.63	14.05 0.36 -0.65	14.72 0.38 -0.74	17.37 0.48 -0.51	17.44 0.39 -0.73	21.05 0.21 -0.30	22.01 0.57 -0.23	23.95 0.40 -0.02	25.56 0.74 0.00	28.04 0.50 0.00	29.40 0.88 0.00	30.65 0.60 0.00	32.40 0.97 0.00	38.90 1.06 0.00	44.37 0.78 0.00	42.39 0.83 0.00	38.18 0.71 0.00	35.36 0.90 0.00	30.85 0.69 0.00	26.99 0.48 0.00	24.06 0.70 -0.16
RUSSELL__2 23532	19.45 0.26 -0.44	15.34 0.27 -0.76	14.47 0.34 -0.70	14.22 0.36 -0.63	14.05 0.36 -0.65	14.72 0.38 -0.74	17.37 0.48 -0.51	17.44 0.39 -0.73	21.05 0.21 -0.30	22.01 0.57 -0.23	23.95 0.40 -0.02	25.56 0.74 0.00	28.04 0.50 0.00	29.40 0.88 0.00	30.65 0.60 0.00	32.40 0.97 0.00	38.90 1.06 0.00	44.37 0.78 0.00	42.39 0.83 0.00	38.18 0.71 0.00	35.36 0.90 0.00	30.85 0.69 0.00	26.99 0.48 0.00	24.06 0.70 -0.16
RUSSELL__3 23549	19.45 0.26 -0.44	15.34 0.27 -0.76	14.47 0.34 -0.70	14.22 0.36 -0.63	14.05 0.36 -0.65	14.72 0.38 -0.74	17.37 0.48 -0.51	17.44 0.39 -0.73	21.05 0.21 -0.30	22.01 0.57 -0.23	23.95 0.40 -0.02	25.56 0.74 0.00	28.04 0.50 0.00	29.40 0.88 0.00	30.65 0.60 0.00	32.40 0.97 0.00	38.90 1.06 0.00	44.37 0.78 0.00	42.39 0.83 0.00	38.18 0.71 0.00	35.36 0.90 0.00	30.85 0.69 0.00	26.99 0.48 0.00	24.06 0.70 -0.16

RUSSELL___4 23556	19.45 0.26 -0.44	15.34 0.27 -0.76	14.47 0.34 -0.70	14.22 0.36 -0.63	14.05 0.36 -0.65	14.72 0.38 -0.74	17.37 0.48 -0.51	17.44 0.39 -0.73	21.05 0.21 -0.30	22.01 0.57 -0.23	23.95 0.40 -0.02	25.56 0.74 0.00	28.04 0.50 0.00	29.40 0.88 0.00	30.65 0.60 0.00	32.40 0.97 0.00	38.90 1.06 0.00	44.37 0.78 0.00	42.39 0.83 0.00	38.18 0.71 0.00	35.36 0.90 0.00	30.85 0.69 0.00	26.99 0.48 0.00	24.06 0.70 -0.16
RUSSELL___STATION 23914	19.45 0.26 -0.44	15.34 0.27 -0.76	14.47 0.34 -0.70	14.22 0.36 -0.63	14.05 0.36 -0.65	14.72 0.38 -0.74	17.37 0.48 -0.51	17.44 0.39 -0.73	21.05 0.21 -0.30	22.01 0.57 -0.23	23.95 0.40 -0.02	25.56 0.74 0.00	28.04 0.50 0.00	29.40 0.88 0.00	30.65 0.60 0.00	32.40 0.97 0.00	38.90 1.06 0.00	44.37 0.78 0.00	42.39 0.83 0.00	38.18 0.71 0.00	35.36 0.90 0.00	30.85 0.69 0.00	26.99 0.48 0.00	24.06 0.70 -0.16
S SALMON___HYD 24043	18.95 -0.06 -0.26	14.74 -0.01 -0.45	13.81 -0.04 -0.41	13.56 -0.04 -0.37	13.39 -0.03 -0.38	14.02 -0.01 -0.44	16.71 0.03 -0.29	16.75 0.02 -0.41	20.65 -0.06 -0.17	21.25 -0.08 -0.13	23.49 -0.05 -0.01	24.82 0.00 0.00	27.52 -0.03 0.00	28.49 -0.03 0.00	29.96 -0.09 0.00	31.45 0.03 0.00	37.84 0.00 0.00	43.54 -0.04 0.00	44.04 0.04 -2.44	40.78 0.11 -3.20	35.32 0.24 -0.61	30.22 0.06 0.00	26.62 0.11 0.00	23.32 0.02 -0.10
S.PERRY___115KV_TB1 80734	19.96 0.60 -0.61	15.90 0.53 -1.06	14.99 0.58 -0.98	14.71 0.60 -0.88	14.54 0.60 -0.91	15.28 0.65 -1.04	17.86 0.75 -0.72	17.91 0.57 -1.02	21.23 0.27 -0.42	22.12 0.59 -0.32	24.19 0.64 -0.03	25.79 0.97 0.00	27.38 -0.17 0.00	28.43 -0.09 0.00	29.81 -0.24 0.00	31.89 0.47 0.00	38.33 0.49 0.00	43.80 0.22 0.00	42.02 0.46 0.00	38.18 0.71 0.00	35.56 1.10 0.00	31.03 0.87 0.00	27.76 1.25 0.00	24.68 1.25 -0.23
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	19.02 -0.30 -0.57	15.21 -0.09 -0.99	14.45 0.11 -0.91	14.21 0.16 -0.82	14.05 0.17 -0.85	14.71 0.15 -0.97	17.13 0.08 -0.67	17.14 -0.13 -0.94	20.30 -0.64 -0.39	21.44 -0.06 -0.30	23.39 -0.16 -0.03	25.02 0.20 0.00	27.16 -0.39 0.00	28.66 0.14 0.00	29.75 -0.30 0.00	31.52 0.09 0.00	37.65 -0.19 0.00	42.84 -0.74 0.00	40.90 -0.66 0.00	36.79 -0.67 0.00	34.29 -0.17 0.00	30.01 -0.15 0.00	26.30 -0.21 0.00	23.48 0.07 -0.21
SAWYER___23_KV_LOAD 55526	19.02 -0.30 -0.57	15.21 -0.09 -0.99	14.45 0.11 -0.91	14.21 0.16 -0.82	14.05 0.17 -0.85	14.71 0.15 -0.97	17.13 0.08 -0.67	17.14 -0.13 -0.94	20.30 -0.64 -0.39	21.44 -0.06 -0.30	23.39 -0.16 -0.03	25.02 0.20 0.00	27.16 -0.39 0.00	28.66 0.14 0.00	29.75 -0.30 0.00	31.52 0.09 0.00	37.65 -0.19 0.00	42.84 -0.74 0.00	40.90 -0.66 0.00	36.79 -0.67 0.00	34.29 -0.17 0.00	30.01 -0.15 0.00	26.30 -0.21 0.00	23.48 0.07 -0.21
SELKIRK___I 23801	24.14 0.64 -4.75	23.12 0.50 -8.31	21.56 0.48 -7.64	20.60 0.48 -6.90	20.63 0.48 -7.11	22.19 0.49 -8.11	22.11 0.62 -5.11	24.55 0.60 -7.62	23.98 0.82 -2.61	24.54 0.93 -2.40	24.76 1.01 -0.22	25.86 1.04 0.00	28.73 1.18 0.00	29.69 1.17 0.00	31.37 1.32 0.00	32.68 1.26 0.00	39.20 1.44 0.08	45.37 1.79 0.00	43.10 1.54 0.00	38.92 1.46 0.00	35.78 1.41 0.09	31.39 1.24 0.00	27.52 1.01 0.00	25.32 0.95 -1.16
SELKIRK___II 23799	24.11 0.54 -4.82	23.15 0.42 -8.43	21.58 0.40 -7.75	20.62 0.40 -6.99	20.65 0.40 -7.21	22.22 0.41 -8.22	22.03 0.51 -5.13	24.63 0.51 -7.80	23.74 0.70 -2.50	24.47 0.81 -2.46	24.62 0.87 -0.23	25.74 0.92 0.00	28.57 1.02 0.00	29.55 1.03 0.00	31.19 1.14 0.00	32.49 1.07 0.00	39.02 1.29 0.11	45.15 1.57 0.00	42.89 1.33 0.00	38.70 1.23 0.00	35.53 1.17 0.11	31.18 1.03 0.00	27.36 0.85 0.00	25.14 0.83 -1.11
SENECA OSWGO___HYD 24041	18.87 -0.17 -0.29	14.69 -0.11 -0.50	13.80 -0.09 -0.46	13.55 -0.09 -0.42	13.38 -0.08 -0.43	14.01 -0.07 -0.49	16.60 -0.10 -0.32	16.67 -0.10 -0.45	20.50 -0.23 -0.19	21.10 -0.25 -0.14	23.33 -0.21 -0.01	24.59 -0.22 0.00	27.30 -0.25 0.00	28.26 -0.26 0.00	29.69 -0.36 0.00	31.17 -0.25 0.00	37.50 -0.34 0.00	43.10 -0.48 0.00	44.56 -0.42 -3.41	41.61 -0.34 -4.49	35.04 -0.28 -0.86	29.85 -0.30 0.00	26.33 -0.18 0.00	23.07 -0.23 -0.11
SENECA___115KV_TB3 355854	19.14 -0.21 -0.59	15.31 -0.03 -1.03	14.52 0.13 -0.95	14.27 0.19 -0.86	14.12 0.21 -0.88	14.79 0.19 -1.01	17.21 0.13 -0.70	17.26 -0.05 -0.99	20.46 -0.49 -0.41	21.60 0.08 -0.31	23.69 0.14 -0.03	25.36 0.55 0.00	27.60 0.06 0.00	29.15 0.63 0.00	30.26 0.21 0.00	32.02 0.60 0.00	38.29 0.45 0.00	43.58 0.00 0.00	41.56 0.00 0.00	37.39 -0.07 0.00	34.84 0.38 0.00	30.46 0.30 0.00	26.67 0.16 0.00	23.65 0.23 -0.22
SENECA___ENERGY 23797	19.25 0.04 -0.46	15.13 0.03 -0.80	14.21 0.04 -0.73	13.94 0.05 -0.66	13.79 0.08 -0.68	14.49 0.12 -0.78	17.34 0.41 -0.54	17.48 0.39 -0.77	21.25 0.39 -0.32	22.04 0.59 -0.24	24.39 0.85 -0.02	25.78 0.97 0.00	28.57 1.02 0.00	29.69 1.17 0.00	31.04 0.99 0.00	32.65 1.22 0.00	39.31 1.47 0.00	45.02 1.44 0.00	43.52 0.54 -1.42	39.85 0.52 -1.86	35.34 0.52 -0.36	30.61 0.45 0.00	26.99 0.48 0.00	23.60 0.23 -0.17
SHOEMAKER___GT 23640	22.98 0.88 -3.35	20.80 0.63 -5.86	19.40 0.58 -5.39	18.67 0.58 -4.86	18.61 0.56 -5.02	19.91 0.60 -5.72	20.99 0.75 -3.85	22.53 0.77 -5.44	23.84 1.05 -2.25	24.18 1.25 -1.72	24.98 1.29 -0.16	26.18 1.36 0.00	29.09 1.54 0.00	30.12 1.60 0.00	31.79 1.74 0.00	33.15 1.73 0.00	40.14 2.19 -0.11	46.11 2.53 0.00	43.72 2.16 0.00	39.41 1.95 0.00	36.11 1.65 0.00	31.72 1.57 0.00	27.81 1.30 0.00	25.65 1.21 -1.24
SHOEMAKR_138KV_BK 111 55601	22.95 0.88 -3.32	20.73 0.62 -5.81	19.31 0.54 -5.34	18.60 0.56 -4.82	18.54 0.53 -4.97	19.83 0.57 -5.67	20.91 0.70 -3.82	22.45 0.73 -5.39	23.82 1.05 -2.23	24.16 1.25 -1.70	25.05 1.36 -0.16	26.21 1.39 0.00	29.20 1.65 0.00	30.12 1.60 0.00	31.82 1.77 0.00	33.15 1.73 0.00	40.14 2.19 -0.10	46.11 2.53 0.00	43.72 2.16 0.00	39.41 1.95 0.00	36.08 1.62 0.00	31.72 1.57 0.00	27.95 1.43 0.00	25.64 1.21 -1.23
SHOREHAM_IC_1 23715	24.29 1.76 -3.78	22.81 1.59 -6.91	21.40 1.53 -6.44	20.17 1.45 -5.49	20.08 1.40 -5.66	21.63 1.58 -6.46	21.99 1.26 -4.34	23.88 1.42 -6.13	24.97 1.89 -2.54	25.26 2.12 -1.94	26.13 2.42 -0.18	27.27 2.46 0.00	32.47 3.06 -1.87	34.05 3.25 -2.28	33.51 3.45 -0.01	37.11 3.39 -2.29	46.51 4.35 -4.32	49.76 5.27 -0.90	46.19 4.61 -0.02	49.72 3.93 -8.32	38.04 3.52 -0.06	35.03 3.32 -1.56	32.23 2.81 -2.91	31.80 2.60 -6.01
SHOREHAM_IC_2 23716	24.29 1.76 -3.78	22.81 1.59 -6.91	21.40 1.53 -6.44	20.17 1.45 -5.49	20.08 1.40 -5.66	21.63 1.58 -6.46	21.99 1.26 -4.34	23.88 1.42 -6.13	24.97 1.89 -2.54	25.26 2.12 -1.94	26.13 2.42 -0.18	27.27 2.46 0.00	32.47 3.06 -1.87	34.05 3.25 -2.28	33.51 3.45 -0.01	37.11 3.39 -2.29	46.51 4.35 -4.32	49.76 5.27 -0.90	46.19 4.61 -0.02	49.72 3.93 -8.32	38.04 3.52 -0.06	35.03 3.32 -1.56	32.23 2.81 -2.91	31.80 2.60 -6.01

SISSONVILLE____ 23735	18.17 -0.58 0.00	13.81 -0.50 0.00	12.92 -0.51 0.00	12.68 -0.54 0.00	12.49 -0.55 0.00	12.90 -0.69 0.00	15.50 -0.88 0.00	15.41 -0.91 0.00	19.35 -1.19 0.00	19.85 -1.36 0.00	22.11 -1.41 0.00	23.28 -1.54 0.00	25.92 -1.63 0.00	26.89 -1.63 0.00	28.37 -1.68 0.00	29.66 -1.76 0.00	35.83 -2.01 0.00	41.36 -2.22 0.00	40.14 -1.75 -0.33	36.36 -1.54 -0.43	33.13 -1.41 -0.08	28.98 -1.18 0.00	25.69 -0.82 0.00	22.57 -0.63 0.00
SITHE_IND_GS1 24169	18.57 -0.41 -0.23	14.42 -0.29 -0.40	13.54 -0.26 -0.37	13.30 -0.25 -0.33	13.12 -0.25 -0.34	13.73 -0.24 -0.39	16.31 -0.31 -0.24	16.35 -0.31 -0.34	20.19 -0.49 -0.14	20.74 -0.57 -0.11	22.92 -0.61 -0.01	24.17 -0.65 0.00	26.81 -0.74 0.00	27.78 -0.74 0.00	29.21 -0.84 0.00	30.61 -0.82 0.00	36.82 -1.02 0.00	42.32 -1.27 0.00	30.59 -1.12 9.85	23.54 -0.97 12.95	31.08 -0.90 2.48	29.34 -0.81 0.00	25.88 -0.64 0.00	22.66 -0.63 -0.08
SITHE_IND_GS2 24170	18.57 -0.41 -0.23	14.42 -0.29 -0.40	13.54 -0.26 -0.37	13.30 -0.25 -0.33	13.12 -0.25 -0.34	13.73 -0.24 -0.39	16.31 -0.31 -0.24	16.35 -0.31 -0.34	20.19 -0.49 -0.14	20.74 -0.57 -0.11	22.92 -0.61 -0.01	24.17 -0.65 0.00	26.81 -0.74 0.00	27.78 -0.74 0.00	29.21 -0.84 0.00	30.61 -0.82 0.00	36.82 -1.02 0.00	42.32 -1.27 0.00	30.59 -1.12 9.85	23.54 -0.97 12.95	31.08 -0.90 2.48	29.34 -0.81 0.00	25.88 -0.64 0.00	22.66 -0.63 -0.08
SITHE_IND_GS3 24171	18.57 -0.41 -0.23	14.42 -0.29 -0.40	13.54 -0.26 -0.37	13.30 -0.25 -0.33	13.12 -0.25 -0.34	13.73 -0.24 -0.39	16.31 -0.31 -0.24	16.35 -0.31 -0.34	20.19 -0.49 -0.14	20.74 -0.57 -0.11	22.92 -0.61 -0.01	24.17 -0.65 0.00	26.81 -0.74 0.00	27.78 -0.74 0.00	29.21 -0.84 0.00	30.61 -0.82 0.00	36.82 -1.02 0.00	42.32 -1.27 0.00	30.59 -1.12 9.85	23.54 -0.97 12.95	31.08 -0.90 2.48	29.34 -0.81 0.00	25.88 -0.64 0.00	22.66 -0.63 -0.08
SITHE_IND_GS4 24172	18.57 -0.41 -0.23	14.42 -0.29 -0.40	13.54 -0.26 -0.37	13.30 -0.25 -0.33	13.12 -0.25 -0.34	13.73 -0.24 -0.39	16.31 -0.31 -0.24	16.35 -0.31 -0.34	20.19 -0.49 -0.14	20.74 -0.57 -0.11	22.92 -0.61 -0.01	24.17 -0.65 0.00	26.81 -0.74 0.00	27.78 -0.74 0.00	29.21 -0.84 0.00	30.61 -0.82 0.00	36.82 -1.02 0.00	42.32 -1.27 0.00	30.59 -1.12 9.85	23.54 -0.97 12.95	31.08 -0.90 2.48	29.34 -0.81 0.00	25.88 -0.64 0.00	22.66 -0.63 -0.08
SITHE____BATAVIA 24024	19.44 0.19 -0.50	15.30 0.11 -0.88	14.44 0.20 -0.81	14.22 0.26 -0.73	14.07 0.29 -0.75	14.71 0.26 -0.86	17.26 0.28 -0.59	17.29 0.13 -0.84	20.87 -0.02 -0.35	21.96 0.49 -0.26	24.35 0.80 -0.02	25.66 0.84 0.00	28.35 0.80 0.00	29.49 0.97 0.00	30.59 0.54 0.00	32.33 0.91 0.00	38.75 0.91 0.00	44.15 0.57 0.00	42.22 0.66 0.00	38.10 0.64 0.00	35.42 0.96 0.00	31.00 0.84 0.00	27.79 1.27 0.00	24.13 0.74 -0.19
SITHE____INDEPEND 23800	18.57 -0.41 -0.23	14.43 -0.27 -0.40	13.56 -0.24 -0.37	13.32 -0.24 -0.33	13.15 -0.22 -0.34	13.76 -0.22 -0.39	16.35 -0.28 -0.24	16.37 -0.29 -0.34	20.19 -0.49 -0.14	20.74 -0.57 -0.11	22.88 -0.66 -0.01	24.17 -0.65 0.00	26.75 -0.80 0.00	27.78 -0.74 0.00	29.18 -0.87 0.00	30.61 -0.82 0.00	36.82 -1.02 0.00	42.32 -1.26 0.00	30.58 -1.12 9.85	23.54 -0.97 12.95	31.11 -0.86 2.48	29.34 -0.81 0.00	25.77 -0.74 0.00	22.66 -0.63 -0.08
SITHE____MASSENA 23902	18.32 -0.43 0.00	13.95 -0.36 0.00	13.08 -0.35 0.00	12.87 -0.36 0.00	12.65 -0.38 0.00	13.16 -0.44 0.00	15.86 -0.52 0.00	15.78 -0.54 0.00	19.88 -0.66 0.00	20.42 -0.78 0.00	22.68 -0.85 0.00	23.90 -0.92 0.00	26.58 -0.96 0.00	27.55 -0.97 0.00	29.09 -0.96 0.00	30.35 -1.07 0.00	36.59 -1.25 0.00	42.19 -1.40 0.00	40.56 -1.00 0.00	36.57 -0.90 0.00	33.60 -0.86 0.00	29.46 -0.69 0.00	25.93 -0.58 0.00	22.71 -0.49 0.00
SITHE____OGDNSBRG 24021	18.40 -0.36 0.00	13.99 -0.31 0.00	13.08 -0.35 0.00	12.86 -0.37 0.00	12.65 -0.38 0.00	13.17 -0.42 0.00	15.88 -0.51 0.00	15.80 -0.52 0.00	19.86 -0.68 0.00	20.38 -0.83 0.00	22.68 -0.85 0.00	23.90 -0.92 0.00	26.64 -0.91 0.00	27.61 -0.91 0.00	29.12 -0.93 0.00	30.45 -0.97 0.00	36.74 -1.10 0.00	42.36 -1.22 0.00	40.77 -0.79 0.00	36.83 -0.64 0.00	33.91 -0.55 0.00	29.64 -0.51 0.00	26.14 -0.37 0.00	22.88 -0.32 0.00
SITHE____STERLING 23777	19.36 0.39 -0.21	14.98 0.30 -0.37	14.01 0.24 -0.34	13.77 0.24 -0.31	13.59 0.25 -0.32	14.24 0.29 -0.36	17.08 0.44 -0.25	17.12 0.44 -0.36	21.25 0.55 -0.15	21.94 0.62 -0.11	24.36 0.82 -0.01	25.76 0.94 0.00	28.57 1.02 0.00	29.63 1.11 0.00	31.04 0.99 0.00	32.65 1.22 0.00	39.39 1.55 0.00	45.33 1.75 0.00	43.66 1.54 -0.56	39.66 1.46 -0.74	36.02 1.41 -0.14	31.12 0.96 0.00	27.31 0.79 0.00	23.91 0.63 -0.08
SLEIGHT__34_KV_TB1 80719	19.59 0.41 -0.43	15.43 0.37 -0.75	14.48 0.36 -0.69	14.20 0.36 -0.62	14.04 0.36 -0.64	14.75 0.43 -0.73	17.71 0.82 -0.51	17.86 0.82 -0.72	21.72 0.88 -0.30	22.54 1.10 -0.23	24.84 1.29 -0.02	26.43 1.61 0.00	29.20 1.65 0.00	30.49 1.97 0.00	31.79 1.74 0.00	33.59 2.17 0.00	40.41 2.57 0.00	46.20 2.62 0.00	44.45 1.75 -1.14	40.54 1.57 -1.50	36.26 1.52 -0.29	31.30 1.15 0.00	27.34 0.82 0.00	24.10 0.74 -0.16
SOUTH CAIRO____GT 23612	24.12 0.82 -4.54	22.85 0.60 -7.94	21.30 0.56 -7.30	20.39 0.57 -6.59	20.42 0.59 -6.80	21.96 0.61 -7.75	22.27 1.02 -4.87	24.51 0.96 -7.22	24.66 1.58 -2.54	24.91 1.42 -2.28	25.45 1.72 -0.21	26.61 1.79 0.00	29.59 2.04 0.00	30.72 2.20 0.00	32.48 2.43 0.00	33.88 2.45 0.00	40.98 3.18 0.04	46.81 3.23 0.00	43.89 2.33 0.00	39.86 2.40 0.00	36.61 2.24 0.09	32.06 1.90 0.00	27.92 1.40 0.00	25.67 1.37 -1.10
SOUTH HAMPTN____IC 23720	24.71 2.17 -3.78	23.10 1.87 -6.91	21.66 1.79 -6.44	20.41 1.69 -5.49	20.30 1.62 -5.66	21.87 1.82 -6.46	22.35 1.62 -4.34	24.25 1.80 -6.13	25.46 2.38 -2.54	25.82 2.67 -1.94	26.74 3.04 -0.18	27.94 3.13 0.00	33.30 3.89 -1.87	34.93 4.13 -2.28	34.45 4.39 -0.01	38.11 4.40 -2.29	47.67 5.56 -4.27	51.15 6.67 -0.90	47.48 5.90 -0.02	50.64 5.06 -8.12	39.03 4.51 -0.06	35.88 4.16 -1.56	32.97 3.55 -2.91	32.39 3.18 -6.01
SOUTHDOW_115KV_TB1 355954	19.59 0.21 -0.63	15.64 0.23 -1.10	14.76 0.31 -1.01	14.49 0.34 -0.91	14.34 0.36 -0.94	15.07 0.41 -1.08	17.56 0.43 -0.75	17.77 0.39 -1.05	21.14 0.16 -0.44	22.41 0.87 -0.33	24.78 1.22 -0.03	26.41 1.59 0.00	28.82 1.27 0.00	30.52 2.00 0.00	31.67 1.62 0.00	33.47 2.04 0.00	40.07 2.23 0.00	45.59 2.00 0.00	43.39 1.83 0.00	39.19 1.72 0.00	36.60 2.14 0.00	31.97 1.81 0.00	27.92 1.41 0.00	24.52 1.09 -0.23
SOUTHOLD_69_KV_BK 2 55809	25.16 2.63 -3.78	23.40 2.17 -6.91	21.91 2.04 -6.44	20.62 1.90 -5.49	20.54 1.85 -5.66	22.12 2.08 -6.45	22.68 1.95 -4.34	24.63 2.17 -6.13	25.96 2.88 -2.54	26.35 3.20 -1.94	27.47 3.76 -0.18	28.66 3.85 0.00	34.24 4.82 -1.87	35.82 5.02 -2.28	35.43 5.38 0.00	39.12 5.40 -2.29	48.00 6.81 -3.35	52.55 8.06 -0.90	48.84 7.27 -0.01	51.73 6.14 -8.12	39.89 5.38 -0.06	36.81 5.10 -1.56	33.87 4.45 -2.91	32.99 3.78 -6.01

SOUTHOLD___IC 23719	25.16 2.63 -3.78	23.41 2.19 -6.91	21.95 2.08 -6.44	20.68 1.97 -5.49	20.58 1.89 -5.66	22.16 2.11 -6.46	22.71 1.98 -4.34	24.63 2.17 -6.13	25.96 2.88 -2.54	26.37 3.22 -1.94	27.37 3.67 -0.18	28.64 3.82 0.00	34.16 4.74 -1.87	35.85 5.05 -2.28	35.38 5.32 -0.01	39.12 5.41 -2.29	48.88 6.77 -4.27	52.59 8.10 -0.90	48.85 7.27 -0.02	51.88 6.29 -8.12	40.10 5.58 -0.06	36.81 5.10 -1.56	33.74 4.32 -2.91	33.01 3.81 -6.01
SPIERFLS_115KV_TB 1 80737	25.09 1.29 -5.04	24.10 0.97 -8.82	22.44 0.90 -8.11	21.42 0.87 -7.32	21.46 0.87 -7.55	23.14 0.94 -8.61	23.78 1.20 -6.20	25.67 1.14 -8.20	26.30 1.64 -4.12	25.69 1.89 -2.59	25.60 1.83 -0.24	26.68 1.86 0.00	29.64 2.09 0.00	30.60 2.08 0.00	32.45 2.40 0.00	33.75 2.33 0.00	40.33 2.65 0.16	46.85 3.27 0.00	44.97 3.41 0.00	40.76 3.30 0.00	37.98 3.41 -0.10	33.02 2.86 0.00	28.95 2.44 0.00	27.74 2.00 -2.54
ST LAWRENCE____ 23600	18.29 -0.47 0.00	13.92 -0.39 0.00	13.06 -0.38 0.00	12.84 -0.38 0.00	12.64 -0.39 0.00	13.16 -0.44 0.00	15.86 -0.52 0.00	15.80 -0.52 0.00	19.90 -0.64 0.00	20.42 -0.78 0.00	22.65 -0.87 0.00	23.90 -0.92 0.00	26.56 -0.99 0.00	27.52 -1.00 0.00	29.06 -0.99 0.00	30.32 -1.10 0.00	36.55 -1.29 0.00	42.15 -1.44 0.00	40.35 -1.21 0.00	36.38 -1.09 0.00	33.43 -1.03 0.00	29.28 -0.88 0.00	25.74 -0.77 0.00	22.55 -0.65 0.00
STATE_CA_115KV_115_LB 55624	24.20 0.54 -4.90	23.27 0.39 -8.58	21.68 0.36 -7.89	20.70 0.36 -7.12	20.73 0.35 -7.34	22.35 0.38 -8.37	21.96 0.44 -5.13	24.74 0.46 -7.96	23.82 0.86 -2.42	24.75 1.02 -2.53	24.91 1.15 -0.23	25.98 1.17 0.00	28.90 1.35 0.00	29.83 1.31 0.00	31.52 1.47 0.00	32.55 1.13 0.00	38.98 1.29 0.15	45.20 1.61 0.00	42.97 1.41 0.00	38.85 1.39 0.00	35.60 1.28 0.13	31.27 1.12 0.00	27.52 1.01 0.00	25.03 0.86 -0.97
STATE_ST_34_KV_LOAD 55959	19.50 0.30 -0.45	15.37 0.27 -0.79	14.43 0.27 -0.72	14.14 0.26 -0.65	13.98 0.27 -0.67	14.68 0.33 -0.77	17.68 0.75 -0.54	17.83 0.75 -0.76	21.68 0.82 -0.31	22.45 1.00 -0.24	24.58 1.04 -0.02	26.11 1.29 0.00	28.87 1.32 0.00	30.06 1.54 0.00	31.64 1.59 0.00	33.40 1.98 0.00	40.22 2.38 0.00	46.07 2.48 0.00	44.55 1.29 -1.70	40.86 1.16 -2.23	35.99 1.10 -0.43	31.00 0.84 0.00	27.15 0.64 0.00	23.88 0.51 -0.17
STATION 5_MISC_HYD 23604	19.34 0.15 -0.44	15.18 0.11 -0.76	14.30 0.16 -0.70	14.06 0.20 -0.63	13.89 0.21 -0.65	14.54 0.20 -0.74	17.14 0.25 -0.51	17.21 0.16 -0.73	20.93 0.08 -0.30	21.86 0.42 -0.23	24.09 0.54 -0.02	25.39 0.57 0.00	28.10 0.55 0.00	29.18 0.66 0.00	30.47 0.42 0.00	32.11 0.69 0.00	38.56 0.72 0.00	44.02 0.44 0.00	41.98 0.42 0.00	37.84 0.37 0.00	35.01 0.55 0.00	30.64 0.48 0.00	27.31 0.79 0.00	23.90 0.53 -0.16
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	19.37 0.19 -0.43	15.25 0.19 -0.76	14.36 0.23 -0.70	14.09 0.24 -0.63	13.94 0.26 -0.65	14.62 0.29 -0.74	17.37 0.48 -0.51	17.47 0.42 -0.72	21.17 0.33 -0.30	22.03 0.59 -0.23	24.13 0.59 -0.02	25.71 0.89 0.00	28.29 0.74 0.00	29.60 1.08 0.00	30.83 0.78 0.00	32.52 1.10 0.00	39.09 1.25 0.00	44.63 1.05 0.00	42.71 0.79 -0.36	38.64 0.71 -0.47	35.38 0.83 -0.09	30.79 0.63 0.00	26.91 0.40 0.00	23.87 0.51 -0.16
STA_56_34_KV_BUS2_REV_LBMP_B 345033	19.24 0.06 -0.43	15.16 0.10 -0.75	14.30 0.17 -0.69	14.05 0.20 -0.63	13.89 0.21 -0.64	14.54 0.22 -0.74	17.19 0.29 -0.51	17.24 0.20 -0.72	20.84 0.00 -0.30	21.75 0.32 -0.23	23.71 0.16 -0.02	25.29 0.47 0.00	27.77 0.22 0.00	29.09 0.57 0.00	30.29 0.24 0.00	31.99 0.57 0.00	38.44 0.61 0.00	43.84 0.26 0.00	41.85 0.29 0.00	37.69 0.22 0.00	34.91 0.45 0.00	30.46 0.30 0.00	26.65 0.13 0.00	23.73 0.37 -0.16
STA_56___34_KV_BUS2 355983	19.24 0.06 -0.43	15.16 0.10 -0.75	14.30 0.17 -0.69	14.05 0.20 -0.63	13.89 0.21 -0.64	14.54 0.22 -0.74	17.19 0.29 -0.51	17.24 0.20 -0.72	20.84 0.00 -0.30	21.75 0.32 -0.23	23.71 0.16 -0.02	25.29 0.47 0.00	27.77 0.22 0.00	29.09 0.57 0.00	30.29 0.24 0.00	31.99 0.57 0.00	38.44 0.61 0.00	43.84 0.26 0.00	41.85 0.29 0.00	37.69 0.22 0.00	34.91 0.45 0.00	30.46 0.30 0.00	26.65 0.13 0.00	23.73 0.37 -0.16
STA_67___115KV_BK2 355882	19.30 0.11 -0.44	15.23 0.16 -0.76	14.38 0.24 -0.70	14.12 0.26 -0.63	13.96 0.27 -0.65	14.62 0.29 -0.74	17.26 0.36 -0.51	17.29 0.24 -0.73	20.86 0.02 -0.30	21.80 0.36 -0.23	23.73 0.19 -0.02	25.31 0.50 0.00	27.74 0.19 0.00	29.06 0.54 0.00	30.29 0.24 0.00	31.99 0.57 0.00	38.41 0.57 0.00	43.80 0.22 0.00	41.85 0.29 0.00	37.69 0.22 0.00	34.94 0.48 0.00	30.49 0.33 0.00	26.70 0.19 0.00	23.83 0.46 -0.16
STA_7___115KV_9TRANS 80674	19.45 0.26 -0.44	15.34 0.27 -0.76	14.47 0.34 -0.70	14.22 0.36 -0.63	14.05 0.36 -0.65	14.72 0.38 -0.74	17.37 0.48 -0.51	17.44 0.39 -0.73	21.05 0.21 -0.30	22.01 0.57 -0.23	23.95 0.40 -0.02	25.56 0.74 0.00	28.04 0.50 0.00	29.40 0.88 0.00	30.65 0.60 0.00	32.40 0.97 0.00	38.90 1.06 0.00	44.37 0.78 0.00	42.39 0.83 0.00	38.18 0.71 0.00	35.36 0.90 0.00	30.85 0.69 0.00	26.99 0.48 0.00	24.06 0.70 -0.16
STA_82___115KV_TB1 80780	19.32 0.13 -0.44	15.25 0.17 -0.77	14.39 0.26 -0.70	14.13 0.26 -0.64	13.97 0.29 -0.66	14.64 0.30 -0.75	17.28 0.38 -0.52	17.31 0.26 -0.73	20.89 0.04 -0.30	21.82 0.38 -0.23	23.76 0.21 -0.02	25.34 0.52 0.00	27.77 0.22 0.00	29.09 0.57 0.00	30.32 0.27 0.00	32.05 0.63 0.00	38.44 0.61 0.00	43.84 0.26 0.00	41.89 0.33 0.00	37.73 0.26 0.00	34.98 0.52 0.00	30.52 0.36 0.00	26.73 0.21 0.00	23.83 0.46 -0.16
STEEL___WIND 323596	19.12 -0.22 -0.59	15.17 -0.17 -1.03	14.33 -0.05 -0.95	14.11 0.03 -0.86	13.96 0.04 -0.88	14.61 0.01 -1.01	17.00 -0.08 -0.70	17.06 -0.24 -0.99	20.44 -0.51 -0.41	21.56 0.04 -0.31	24.07 0.52 -0.03	25.34 0.52 0.00	27.96 0.41 0.00	29.12 0.60 0.00	30.29 0.24 0.00	31.99 0.57 0.00	38.26 0.42 0.00	43.58 0.00 0.00	41.48 -0.08 0.00	37.35 -0.11 0.00	34.73 0.27 0.00	30.46 0.30 0.00	27.42 0.90 0.00	23.63 0.21 -0.22
STEPHTWN_115KV_BK_2 55603	24.21 0.62 -4.84	23.22 0.44 -8.47	21.63 0.42 -7.78	20.65 0.40 -7.03	20.68 0.40 -7.25	22.29 0.43 -8.26	21.86 0.52 -4.95	24.72 0.54 -7.86	23.42 0.76 -2.12	24.60 0.91 -2.48	24.81 1.06 -0.23	25.88 1.07 0.00	28.82 1.27 0.00	29.72 1.20 0.00	31.40 1.35 0.00	32.71 1.29 0.00	39.17 1.48 0.14	45.41 1.83 0.00	43.22 1.66 0.00	39.08 1.61 0.00	35.82 1.52 0.16	31.45 1.30 0.00	27.68 1.17 0.00	24.95 0.97 -0.77
STEUBEN_REC_LFGE 323667	19.76 0.24 -0.76	15.89 0.26 -1.33	14.97 0.31 -1.22	14.65 0.32 -1.10	14.52 0.35 -1.14	15.28 0.39 -1.30	17.76 0.48 -0.90	18.00 0.41 -1.27	21.25 0.18 -0.53	22.23 0.62 -0.40	24.43 0.87 -0.04	26.13 1.32 0.00	28.57 1.02 0.00	30.00 1.48 0.00	31.19 1.14 0.00	32.99 1.57 0.00	39.69 1.85 0.00	45.24 1.66 0.00	43.64 1.58 -0.50	39.51 1.39 -0.66	36.14 1.55 -0.13	31.42 1.27 0.00	27.47 0.95 0.00	24.22 0.74 -0.28

STONY___BROOK 24151	24.52 1.99 -3.78	22.82 1.60 -6.91	21.39 1.52 -6.44	20.15 1.44 -5.49	20.04 1.36 -5.66	21.59 1.54 -6.46	22.20 1.48 -4.34	24.10 1.65 -6.13	25.20 2.12 -2.54	25.50 2.35 -1.94	26.29 2.59 -0.18	27.47 2.66 0.00	32.72 3.30 -1.87	34.28 3.48 -2.28	33.84 3.79 -0.01	37.50 3.77 -2.31	46.95 4.54 -4.57	49.94 5.45 -0.91	46.32 4.74 -0.02	50.97 4.20 -9.31	38.43 3.89 -0.08	35.33 3.62 -1.56	32.57 3.15 -2.91	32.06 2.85 -6.01
STURGEON_POOL_HYD 23609	23.62 0.98 -3.89	21.76 0.64 -6.81	20.24 0.55 -6.26	19.44 0.57 -5.65	19.41 0.55 -5.83	20.82 0.58 -6.64	21.50 0.72 -4.39	23.37 0.77 -6.28	24.33 1.29 -2.50	24.53 1.34 -1.98	25.38 1.67 -0.18	26.50 1.69 0.00	29.53 1.98 0.00	30.43 1.91 0.00	32.09 2.04 0.00	33.40 1.98 0.00	40.58 2.69 -0.06	46.46 2.88 0.00	44.05 2.49 0.00	39.71 2.25 0.00	36.37 1.93 0.02	31.94 1.78 0.00	28.21 1.70 0.00	26.01 1.51 -1.31
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	23.16 0.96 -3.45	21.02 0.67 -6.04	19.56 0.58 -5.55	18.83 0.60 -5.01	18.77 0.57 -5.17	20.08 0.60 -5.89	21.12 0.77 -3.97	22.73 0.80 -5.61	24.01 1.15 -2.32	24.36 1.38 -1.77	25.26 1.58 -0.16	26.41 1.59 0.00	29.42 1.87 0.00	30.35 1.83 0.00	32.03 1.98 0.00	33.34 1.92 0.00	40.41 2.46 -0.11	46.37 2.79 0.00	43.97 2.41 0.00	39.60 2.14 0.00	36.22 1.76 0.00	31.88 1.72 0.00	28.10 1.59 0.00	25.80 1.32 -1.28
SWANROAD_115KV_TB1 355699	18.68 -0.62 -0.54	14.91 -0.34 -0.95	14.19 -0.12 -0.87	13.95 -0.07 -0.79	13.81 -0.04 -0.81	14.45 -0.07 -0.93	16.85 -0.18 -0.64	16.81 -0.42 -0.91	19.89 -1.03 -0.38	21.01 -0.49 -0.29	22.84 -0.71 -0.03	24.45 -0.37 0.00	26.50 -1.05 0.00	27.95 -0.57 0.00	29.00 -1.05 0.00	30.70 -0.72 0.00	36.67 -1.17 0.00	41.71 -1.87 0.00	39.86 -1.70 0.00	35.89 -1.57 0.00	33.50 -0.96 0.00	29.31 -0.84 0.00	25.72 -0.80 0.00	23.05 -0.35 -0.20
SYNERGY___BIOGAS 323694	19.44 0.19 -0.50	15.30 0.11 -0.88	14.44 0.20 -0.81	14.22 0.26 -0.73	14.07 0.29 -0.75	14.71 0.26 -0.86	17.26 0.28 -0.59	17.29 0.13 -0.84	20.87 -0.02 -0.35	21.96 0.49 -0.26	24.35 0.80 -0.02	25.66 0.84 0.00	28.35 0.80 0.00	29.49 0.97 0.00	30.59 0.54 0.00	32.33 0.91 0.00	38.75 0.91 0.00	44.15 0.57 0.00	42.22 0.66 0.00	38.10 0.64 0.00	35.42 0.96 0.00	31.00 0.84 0.00	27.79 1.27 0.00	24.13 0.74 -0.19
SYRACUSE___ENERGY_ST1 323597	19.13 0.02 -0.36	15.00 0.06 -0.63	14.08 0.07 -0.58	13.82 0.07 -0.53	13.64 0.07 -0.54	14.31 0.10 -0.62	17.21 0.39 -0.43	17.33 0.39 -0.61	21.16 0.37 -0.25	21.87 0.47 -0.19	24.08 0.54 -0.02	25.51 0.69 0.00	28.24 0.69 0.00	29.38 0.86 0.00	30.80 0.75 0.00	32.43 1.01 0.00	39.01 1.17 0.00	44.72 1.13 0.00	43.67 0.21 -1.90	40.19 0.22 -2.50	35.15 0.21 -0.48	30.28 0.12 0.00	26.54 0.03 0.00	23.36 0.02 -0.13
SYRACUSE___ENERGY_ST2 323598	19.13 0.02 -0.36	15.00 0.06 -0.63	14.08 0.07 -0.58	13.82 0.07 -0.53	13.64 0.07 -0.54	14.31 0.10 -0.62	17.21 0.39 -0.43	17.33 0.39 -0.61	21.16 0.37 -0.25	21.87 0.47 -0.19	24.08 0.54 -0.02	25.51 0.69 0.00	28.24 0.69 0.00	29.38 0.86 0.00	30.80 0.75 0.00	32.43 1.01 0.00	39.01 1.17 0.00	44.72 1.13 0.00	43.67 0.21 -1.90	40.19 0.22 -2.50	35.15 0.21 -0.48	30.28 0.12 0.00	26.54 0.03 0.00	23.36 0.02 -0.13
SYRACUSE___POWER 24017	19.11 -0.02 -0.38	15.00 0.03 -0.66	14.08 0.04 -0.61	13.81 0.04 -0.55	13.65 0.05 -0.57	14.30 0.07 -0.64	17.06 0.21 -0.46	17.18 0.21 -0.65	20.95 0.14 -0.27	21.63 0.21 -0.20	23.80 0.26 -0.02	25.16 0.35 0.00	27.85 0.30 0.00	28.95 0.43 0.00	30.38 0.33 0.00	31.96 0.53 0.00	38.44 0.61 0.00	44.11 0.52 0.00	42.93 0.12 -1.25	39.25 0.15 -1.64	34.95 0.17 -0.31	30.22 0.06 0.00	26.49 -0.03 0.00	23.34 0.00 -0.14
TALLMAN___138KV_BK151 55660	23.45 1.13 -3.58	21.35 0.79 -6.26	19.86 0.67 -5.75	19.11 0.69 -5.19	19.05 0.66 -5.35	20.40 0.71 -6.11	21.38 0.88 -4.11	23.08 0.95 -5.81	24.32 1.38 -2.40	24.67 1.63 -1.83	25.50 1.81 -0.17	26.65 1.84 0.00	29.70 2.15 0.00	30.60 2.08 0.00	32.33 2.28 0.00	33.65 2.23 0.00	40.83 2.88 -0.12	46.90 3.31 0.00	44.39 2.83 0.00	39.94 2.47 0.00	36.49 2.03 0.00	32.18 2.02 0.00	28.37 1.86 0.00	26.08 1.55 -1.32
TEALLAVE_115KV_TB7 355573	19.01 -0.06 -0.32	14.86 0.00 -0.55	13.96 0.01 -0.51	13.70 0.01 -0.46	13.53 0.03 -0.47	14.17 0.04 -0.54	16.90 0.13 -0.38	17.00 0.13 -0.54	20.83 0.06 -0.23	21.49 0.11 -0.17	23.66 0.12 -0.02	25.02 0.20 0.00	27.66 0.11 0.00	28.78 0.26 0.00	30.20 0.15 0.00	31.74 0.31 0.00	38.18 0.34 0.00	43.76 0.17 0.00	42.54 -0.04 -1.02	38.77 -0.04 -1.34	34.72 0.00 -0.26	30.07 -0.09 0.00	26.38 -0.13 0.00	23.23 -0.09 -0.12
TELGRAPH_34_KV_EAST 80808	19.12 -0.15 -0.52	15.21 0.00 -0.91	14.44 0.17 -0.83	14.19 0.21 -0.75	14.04 0.23 -0.78	14.71 0.23 -0.88	17.21 0.21 -0.61	17.20 0.02 -0.86	20.47 -0.43 -0.36	21.59 0.11 -0.27	23.53 -0.02 -0.03	25.19 0.37 0.00	27.41 -0.14 0.00	28.92 0.40 0.00	29.93 -0.12 0.00	31.71 0.28 0.00	37.95 0.11 0.00	43.19 -0.39 0.00	41.27 -0.29 0.00	37.20 -0.26 0.00	34.67 0.21 0.00	30.28 0.12 0.00	26.49 -0.03 0.00	23.69 0.30 -0.19
TEMPLE___115KV_TB 2 55572	19.02 -0.06 -0.32	14.88 0.01 -0.56	13.98 0.03 -0.52	13.72 0.03 -0.47	13.54 0.03 -0.48	14.19 0.05 -0.55	16.92 0.15 -0.39	17.02 0.15 -0.55	20.83 0.06 -0.23	21.49 0.11 -0.17	23.68 0.14 -0.02	25.04 0.22 0.00	27.69 0.14 0.00	28.81 0.29 0.00	30.23 0.18 0.00	31.77 0.35 0.00	38.22 0.38 0.00	43.80 0.22 0.00	42.54 -0.04 -1.02	38.80 0.00 -1.34	34.75 0.03 -0.26	30.10 -0.06 0.00	26.38 -0.13 0.00	23.25 -0.07 -0.12
TIANA___69_KV_BK 1 55817	24.61 2.08 -3.78	23.00 1.77 -6.91	21.53 1.67 -6.44	20.26 1.55 -5.49	20.20 1.51 -5.66	21.75 1.71 -6.45	22.22 1.49 -4.34	24.15 1.70 -6.13	25.34 2.26 -2.54	25.67 2.52 -1.94	26.67 2.96 -0.18	27.80 2.98 0.00	33.19 3.77 -1.87	34.68 3.88 -2.28	34.26 4.21 0.00	37.86 4.15 -2.29	46.45 5.26 -3.35	50.76 6.28 -0.90	47.14 5.57 -0.01	50.27 4.68 -8.12	38.59 4.07 -0.06	35.69 3.98 -1.56	32.95 3.53 -2.91	32.22 3.02 -6.01
TILDEN___115KV_TB1 80814	19.11 -0.02 -0.38	15.00 0.03 -0.66	14.08 0.04 -0.61	13.81 0.04 -0.55	13.65 0.05 -0.57	14.30 0.07 -0.64	17.06 0.21 -0.46	17.18 0.21 -0.65	20.95 0.14 -0.27	21.63 0.21 -0.20	23.80 0.26 -0.02	25.16 0.35 0.00	27.85 0.30 0.00	28.95 0.43 0.00	30.38 0.33 0.00	31.96 0.53 0.00	38.44 0.61 0.00	44.11 0.52 0.00	42.93 0.12 -1.25	39.25 0.15 -1.64	34.95 0.17 -0.31	30.22 0.06 0.00	26.49 -0.03 0.00	23.34 0.00 -0.14
TRIGEN___CC 323695	24.07 1.54 -3.78	22.26 1.14 -6.80	20.75 1.02 -6.29	19.69 0.98 -5.49	19.61 0.93 -5.66	21.09 1.05 -6.45	21.87 1.15 -4.34	23.75 1.29 -6.13	24.83 1.75 -2.54	25.14 1.99 -1.94	26.06 2.35 -0.18	27.17 2.36 0.00	32.17 2.75 -1.87	33.45 2.65 -2.28	32.99 2.94 0.00	36.48 2.83 -2.23	43.70 3.59 -2.27	48.70 4.23 -0.89	45.30 3.74 0.00	40.65 3.18 0.00	37.15 2.69 0.00	34.37 2.65 -1.56	31.99 2.57 -2.91	31.36 2.16 -6.01

TRINITY__115KV__4 BK 55933	24.09 0.49 -4.85	23.14 0.34 -8.49	21.58 0.34 -7.81	20.59 0.32 -7.05	20.63 0.33 -7.27	22.22 0.34 -8.29	21.77 0.39 -4.99	24.61 0.41 -7.88	23.31 0.60 -2.17	24.43 0.74 -2.48	24.60 0.85 -0.23	25.66 0.84 0.00	28.57 1.02 0.00	29.46 0.94 0.00	31.13 1.08 0.00	32.40 0.97 0.00	38.79 1.10 0.14	44.98 1.39 0.00	42.77 1.21 0.00	38.66 1.20 0.00	35.41 1.10 0.15	31.12 0.96 0.00	27.41 0.90 0.00	24.77 0.77 -0.81
UNION__PROCESSING_DRP 323587	19.32 0.13 -0.44	15.25 0.17 -0.77	14.39 0.26 -0.71	14.14 0.28 -0.64	13.98 0.29 -0.66	14.64 0.30 -0.75	17.28 0.38 -0.52	17.33 0.28 -0.73	20.91 0.06 -0.30	21.84 0.40 -0.23	23.76 0.21 -0.02	25.34 0.52 0.00	27.77 0.22 0.00	29.12 0.60 0.00	30.35 0.30 0.00	32.05 0.63 0.00	38.48 0.64 0.00	43.89 0.31 0.00	41.89 0.33 0.00	37.76 0.30 0.00	34.98 0.52 0.00	30.55 0.39 0.00	26.73 0.21 0.00	23.85 0.49 -0.16
UPPER HUDSON__HYD 24058	25.09 1.29 -5.04	24.13 1.00 -8.82	22.47 0.93 -8.11	21.45 0.90 -7.32	21.48 0.90 -7.55	23.17 0.97 -8.61	23.79 1.21 -6.20	25.70 1.18 -8.20	26.30 1.64 -4.12	25.69 1.89 -2.59	25.55 1.79 -0.24	26.68 1.86 0.00	29.62 2.07 0.00	30.63 2.11 0.00	32.45 2.40 0.00	33.75 2.33 0.00	40.33 2.65 0.16	46.85 3.27 0.00	44.97 3.41 0.00	40.76 3.30 0.00	37.98 3.41 -0.10	33.02 2.87 0.00	28.87 2.36 0.00	27.73 2.00 -2.54
UPPER RAQUET__HYD 24056	18.17 -0.58 0.00	13.81 -0.50 0.00	12.92 -0.51 0.00	12.70 -0.53 0.00	12.50 -0.53 0.00	12.91 -0.68 0.00	15.51 -0.87 0.00	15.41 -0.91 0.00	19.35 -1.19 0.00	19.85 -1.36 0.00	22.07 -1.46 0.00	23.28 -1.54 0.00	25.92 -1.63 0.00	26.87 -1.65 0.00	28.37 -1.68 0.00	29.66 -1.76 0.00	35.83 -2.01 0.00	41.27 -2.31 0.00	40.14 -1.74 -0.33	36.36 -1.54 -0.43	33.10 -1.45 -0.08	28.98 -1.18 0.00	25.66 -0.85 0.00	22.58 -0.63 0.00
VALLEY44_115KV_TB2 355964	18.85 -0.56 -0.66	15.13 -0.33 -1.15	14.29 -0.20 -1.06	14.04 -0.15 -0.96	13.90 -0.12 -0.99	14.59 -0.12 -1.12	16.95 -0.21 -0.78	17.11 -0.31 -1.10	20.24 -0.76 -0.46	21.26 -0.30 -0.35	23.65 0.09 -0.03	25.24 0.42 0.00	27.58 0.03 0.00	29.06 0.54 0.00	30.29 0.24 0.00	32.08 0.66 0.00	38.44 0.61 0.00	43.71 0.13 0.00	41.56 0.00 0.00	37.39 -0.07 0.00	34.74 0.28 0.00	30.43 0.27 0.00	26.62 0.11 0.00	23.10 -0.35 -0.24
VALLEY__115KV_TB 1-4 80826	18.70 -0.06 0.00	14.25 -0.06 0.00	13.38 -0.05 0.00	13.17 -0.05 0.00	12.98 -0.05 0.00	13.54 -0.05 0.00	16.35 -0.03 0.00	16.31 -0.02 0.00	20.54 0.00 0.00	21.27 0.06 0.00	23.74 0.21 0.00	25.09 0.27 0.00	27.82 0.28 0.00	28.81 0.29 0.00	30.08 0.03 0.00	31.49 0.06 0.00	37.92 0.08 0.00	43.58 0.00 0.00	41.56 0.00 0.00	37.46 0.00 0.00	34.46 0.00 0.00	30.10 -0.06 0.00	26.43 -0.08 0.00	23.15 -0.05 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	21.08 0.96 -1.37	17.43 0.73 -2.39	16.30 0.67 -2.20	15.87 0.66 -1.98	15.73 0.65 -2.05	16.63 0.71 -2.33	18.91 0.93 -1.59	19.51 0.95 -2.25	22.70 1.23 -0.93	23.36 1.44 -0.71	25.17 1.58 -0.07	26.53 1.71 0.00	29.42 1.87 0.00	30.46 1.94 0.00	32.06 2.01 0.00	33.69 2.26 0.00	40.53 2.69 0.00	46.59 3.01 0.00	44.66 2.74 -0.35	40.44 2.51 -0.46	36.96 2.41 -0.09	32.06 1.90 0.00	28.13 1.62 0.00	25.08 1.37 -0.51
VISCHER__FERRY HYD 24020	24.50 0.82 -4.92	23.58 0.66 -8.61	21.97 0.62 -7.92	20.98 0.61 -7.15	21.01 0.61 -7.37	22.63 0.64 -8.40	24.00 0.80 -6.81	25.11 0.75 -8.03	26.97 1.03 -5.40	24.95 1.21 -2.54	25.03 1.27 -0.23	26.13 1.31 0.00	29.01 1.46 0.00	29.97 1.45 0.00	31.67 1.62 0.00	32.96 1.54 0.00	39.40 1.78 0.22	45.85 2.26 0.00	43.68 2.12 0.00	39.45 1.98 0.00	36.69 1.93 -0.30	31.81 1.66 0.00	27.86 1.35 0.00	28.23 1.28 -3.75
V_A_10_SYNC_DSASP 323832	19.00 -0.24 -0.49	15.09 -0.07 -0.85	14.32 0.11 -0.78	14.08 0.15 -0.71	13.92 0.16 -0.73	14.57 0.15 -0.83	17.07 0.11 -0.57	17.05 -0.08 -0.81	20.36 -0.51 -0.34	21.42 -0.04 -0.26	23.19 -0.35 -0.02	24.77 -0.05 0.00	26.94 -0.61 0.00	28.32 -0.20 0.00	29.45 -0.60 0.00	31.17 -0.25 0.00	37.27 -0.57 0.00	42.45 -1.13 0.00	40.52 -1.04 0.00	36.49 -0.97 0.00	33.98 -0.48 0.00	29.70 -0.45 0.00	26.06 -0.45 0.00	23.40 0.02 -0.18
V_CMM_10_SYNC_DSASP 323787	18.34 -0.41 0.00	13.96 -0.34 0.00	13.10 -0.34 0.00	12.88 -0.34 0.00	12.68 -0.35 0.00	13.18 -0.41 0.00	15.89 -0.49 0.00	15.83 -0.49 0.00	19.97 -0.58 0.00	20.49 -0.72 0.00	22.75 -0.78 0.00	23.97 -0.84 0.00	26.64 -0.91 0.00	27.61 -0.91 0.00	29.15 -0.90 0.00	30.42 -1.01 0.00	36.67 -1.17 0.00	42.28 -1.31 0.00	40.48 -1.08 0.00	36.49 -0.97 0.00	33.53 -0.93 0.00	29.37 -0.78 0.00	25.82 -0.69 0.00	22.62 -0.58 0.00
V_CMP_10_SYNC_DSASP 323788	18.64 -0.11 0.00	14.09 -0.21 0.00	13.14 -0.30 0.00	12.84 -0.38 0.00	12.58 -0.46 0.00	13.02 -0.57 0.00	15.70 -0.69 0.00	15.67 -0.65 0.00	19.86 -0.68 0.00	20.51 -0.70 0.00	22.77 -0.75 0.00	23.97 -0.84 0.00	26.67 -0.88 0.00	27.69 -0.83 0.00	29.54 -0.51 0.00	30.82 -0.60 0.00	37.27 -0.57 0.00	43.06 -0.52 0.00	41.31 -0.25 0.00	36.94 -0.52 0.00	33.87 -0.59 0.00	29.80 -0.36 0.00	26.06 -0.45 0.00	22.64 -0.56 0.00
V_E_10_SYNC_DSASP 323830	20.93 1.14 -1.03	16.98 0.86 -1.81	15.81 0.71 -1.66	15.42 0.69 -1.50	15.27 0.69 -1.55	16.12 0.76 -1.77	18.74 1.13 -1.22	19.16 1.11 -1.73	22.59 1.33 -0.71	23.28 1.53 -0.54	25.48 1.90 -0.05	26.98 2.16 0.00	29.94 2.40 0.00	31.09 2.57 0.00	32.36 2.31 0.00	34.41 2.99 0.00	41.51 3.67 0.00	47.86 4.27 0.00	46.28 3.95 -0.77	42.19 3.71 -1.01	38.24 3.58 -0.19	32.78 2.62 0.00	28.66 2.15 0.00	25.23 1.65 -0.38
V_F_30_NSYNC__DSASP 323816	24.90 1.13 -5.02	23.97 0.87 -8.79	22.34 0.82 -8.08	21.33 0.81 -7.30	21.35 0.80 -7.52	23.02 0.84 -8.58	23.71 1.05 -6.28	25.50 1.00 -8.18	26.20 1.38 -4.28	25.38 1.59 -2.58	25.41 1.65 -0.24	26.53 1.71 0.00	29.48 1.93 0.00	30.49 1.97 0.00	32.24 2.19 0.00	33.56 2.14 0.00	40.13 2.46 0.17	46.63 3.05 0.00	44.51 2.95 0.00	40.28 2.81 0.00	37.35 2.76 -0.13	32.48 2.32 0.00	28.45 1.93 0.00	27.61 1.72 -2.70
V_F_30_SYNC_DSASP 323786	24.20 0.54 -4.90	23.27 0.39 -8.57	21.68 0.36 -7.88	20.70 0.36 -7.11	20.72 0.35 -7.34	22.34 0.38 -8.37	21.95 0.44 -5.12	24.73 0.46 -7.95	23.36 0.58 -2.24	24.41 0.72 -2.48	24.58 0.82 -0.23	25.64 0.82 0.00	28.57 1.02 0.00	29.46 0.94 0.00	31.13 1.08 0.00	32.55 1.13 0.00	38.98 1.29 0.15	45.20 1.61 0.00	42.97 1.41 0.00	38.85 1.39 0.00	35.60 1.28 0.13	31.27 1.12 0.00	27.52 1.01 0.00	25.01 0.86 -0.96
V_XM_10_SYNC_DSASP 323789	18.64 -0.11 0.00	14.09 -0.21 0.00	13.14 -0.30 0.00	12.84 -0.38 0.00	12.58 -0.46 0.00	13.02 -0.57 0.00	15.70 -0.69 0.00	15.67 -0.65 0.00	19.86 -0.68 0.00	20.51 -0.70 0.00	22.77 -0.75 0.00	23.97 -0.84 0.00	26.67 -0.88 0.00	27.69 -0.83 0.00	29.54 -0.51 0.00	30.82 -0.60 0.00	37.27 -0.57 0.00	43.06 -0.52 0.00	41.31 -0.25 0.00	36.94 -0.52 0.00	33.87 -0.59 0.00	29.80 -0.36 0.00	26.06 -0.45 0.00	22.64 -0.56 0.00

W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	23.54 1.18 -3.60	21.43 0.82 -6.30	19.94 0.71 -5.80	19.17 0.71 -5.23	19.13 0.70 -5.40	20.48 0.73 -6.15	21.46 0.93 -4.14	23.17 1.00 -5.85	24.38 1.42 -2.42	24.73 1.68 -1.85	25.58 1.88 -0.17	26.73 1.91 0.00	29.81 2.26 0.00	30.72 2.20 0.00	32.45 2.40 0.00	33.75 2.33 0.00	40.95 2.99 -0.12	47.03 3.44 0.00	44.51 2.95 0.00	40.05 2.59 0.00	36.60 2.14 0.00	32.24 2.08 0.00	28.45 1.94 0.00	26.16 1.62 -1.34
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	23.84 1.31 -3.78	21.82 0.90 -6.61	20.29 0.78 -6.07	19.50 0.79 -5.48	19.47 0.78 -5.65	20.86 0.82 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.07 1.93 -1.93	25.89 2.19 -0.18	27.00 2.18 0.00	30.14 2.59 0.00	30.94 2.42 0.00	32.69 2.64 0.00	33.97 2.55 0.00	41.30 3.33 -0.13	47.51 3.92 0.00	44.93 3.37 0.00	40.39 2.92 0.00	36.77 2.31 0.00	32.48 2.32 0.00	28.74 2.23 0.00	26.46 1.86 -1.40
W50THST__13_KV_LOAD 356117	23.92 1.39 -3.78	21.87 0.96 -6.61	20.34 0.83 -6.07	19.57 0.86 -5.48	19.53 0.85 -5.65	20.92 0.88 -6.45	21.87 1.15 -4.34	23.69 1.24 -6.13	24.85 1.77 -2.54	25.22 2.08 -1.93	26.06 2.35 -0.18	27.17 2.36 0.00	30.33 2.78 0.00	31.17 2.65 0.00	32.93 2.88 0.00	34.19 2.77 0.00	41.57 3.59 -0.13	47.85 4.27 0.00	45.22 3.66 0.00	40.61 3.15 0.00	36.98 2.52 0.00	32.66 2.50 0.00	28.87 2.36 0.00	26.57 1.97 -1.40
WADING RIVER_IC_1 23522	24.28 1.74 -3.78	22.81 1.59 -6.91	21.40 1.53 -6.44	20.17 1.45 -5.49	20.08 1.40 -5.66	21.63 1.58 -6.46	21.97 1.24 -4.34	23.88 1.42 -6.13	24.95 1.87 -2.54	25.24 2.10 -1.94	26.10 2.40 -0.18	27.25 2.43 0.00	32.45 3.03 -1.87	34.02 3.22 -2.28	33.48 3.42 -0.01	37.08 3.36 -2.29	46.41 4.31 -4.26	49.71 5.23 -0.90	46.11 4.53 -0.02	49.46 3.90 -8.10	38.00 3.48 -0.06	35.00 3.29 -1.56	32.20 2.78 -2.91	31.78 2.57 -6.01
WADING RIVER_IC_2 23547	24.28 1.74 -3.78	22.81 1.59 -6.91	21.40 1.53 -6.44	20.17 1.45 -5.49	20.08 1.40 -5.66	21.63 1.58 -6.46	21.97 1.24 -4.34	23.88 1.42 -6.13	24.95 1.87 -2.54	25.24 2.10 -1.94	26.10 2.40 -0.18	27.25 2.43 0.00	32.45 3.03 -1.87	34.02 3.22 -2.28	33.48 3.42 -0.01	37.08 3.36 -2.29	46.41 4.31 -4.26	49.71 5.23 -0.90	46.11 4.53 -0.02	49.46 3.90 -8.10	38.00 3.48 -0.06	35.00 3.29 -1.56	32.20 2.78 -2.91	31.78 2.57 -6.01
WADING RIVER_IC_3 23601	24.28 1.74 -3.78	22.81 1.59 -6.91	21.40 1.53 -6.44	20.17 1.45 -5.49	20.08 1.40 -5.66	21.63 1.58 -6.46	21.97 1.24 -4.34	23.88 1.42 -6.13	24.95 1.87 -2.54	25.24 2.10 -1.94	26.10 2.40 -0.18	27.25 2.43 0.00	32.45 3.03 -1.87	34.02 3.22 -2.28	33.48 3.42 -0.01	37.08 3.36 -2.29	46.41 4.31 -4.26	49.71 5.23 -0.90	46.11 4.53 -0.02	49.46 3.90 -8.10	38.00 3.48 -0.06	35.00 3.29 -1.56	32.20 2.78 -2.91	31.78 2.57 -6.01
WALDENNY_I2_KV_BK2 80841	19.13 -0.21 -0.59	15.30 -0.03 -1.02	14.51 0.13 -0.94	14.26 0.19 -0.85	14.12 0.21 -0.88	14.79 0.20 -1.00	17.22 0.15 -0.69	17.27 -0.03 -0.98	20.45 -0.49 -0.40	21.60 0.08 -0.31	23.69 0.14 -0.03	25.36 0.55 0.00	27.58 0.03 0.00	29.15 0.63 0.00	30.23 0.18 0.00	32.02 0.60 0.00	38.29 0.45 0.00	43.58 0.00 0.00	41.56 0.00 0.00	37.35 -0.11 0.00	34.81 0.34 0.00	30.43 0.27 0.00	26.62 0.11 0.00	23.65 0.23 -0.22
WALDEN___HYDRO 24148	23.49 1.11 -3.63	21.43 0.77 -6.35	19.97 0.70 -5.84	19.20 0.70 -5.27	19.15 0.68 -5.44	20.51 0.72 -6.20	21.47 0.92 -4.17	23.15 0.93 -5.89	24.28 1.29 -2.44	24.57 1.51 -1.86	25.32 1.62 -0.17	26.53 1.71 0.00	29.45 1.90 0.00	30.52 2.00 0.00	32.21 2.16 0.00	33.56 2.14 0.00	40.70 2.76 -0.10	46.68 3.09 0.00	44.26 2.70 0.00	39.94 2.47 0.00	36.56 2.10 0.00	32.12 1.96 0.00	28.10 1.59 0.00	26.03 1.49 -1.35
WARRENSBURG____ 23737	25.09 1.29 -5.04	24.13 1.00 -8.82	22.47 0.93 -8.11	21.45 0.90 -7.32	21.48 0.90 -7.55	23.17 0.97 -8.61	23.79 1.21 -6.20	25.70 1.18 -8.20	26.30 1.64 -4.12	25.69 1.89 -2.59	25.55 1.79 -0.24	26.68 1.86 0.00	29.62 2.07 0.00	30.63 2.11 0.00	32.45 2.40 0.00	33.75 2.33 0.00	40.33 2.65 0.16	46.85 3.27 0.00	44.97 3.41 0.00	40.76 3.30 0.00	37.98 3.41 -0.10	33.02 2.87 0.00	28.87 2.36 0.00	27.73 2.00 -2.54
WATERSIDE___6 8 9 23538	23.92 1.39 -3.78	21.86 0.94 -6.61	20.31 0.81 -6.07	19.56 0.85 -5.48	19.51 0.82 -5.65	20.86 0.82 -6.45	21.79 1.06 -4.34	23.60 1.14 -6.13	24.72 1.64 -2.54	25.09 1.95 -1.93	25.91 2.21 -0.18	27.03 2.21 0.00	30.23 2.67 -0.01	31.04 2.51 -0.01	32.75 2.70 0.00	34.03 2.61 0.00	41.38 3.41 -0.13	47.64 4.05 0.00	44.97 3.41 0.00	40.35 2.88 0.00	36.70 2.24 0.00	32.54 2.38 0.00	28.85 2.33 -0.01	26.58 1.97 -1.41
WATKINRD_115KV_LN8_ILLION 55919	18.73 -0.02 0.00	14.29 -0.01 0.00	13.41 -0.03 0.00	13.20 -0.03 0.00	13.02 -0.01 0.00	13.58 -0.01 0.00	16.38 0.00 0.00	16.34 0.02 0.00	20.56 0.02 0.00	21.27 0.06 0.00	23.67 0.14 0.00	25.02 0.20 0.00	27.74 0.19 0.00	28.72 0.20 0.00	30.11 0.06 0.00	31.49 0.06 0.00	37.95 0.11 0.00	43.67 0.09 0.00	41.64 0.08 0.00	37.54 0.07 0.00	34.56 0.10 0.00	30.19 0.03 0.00	26.51 0.00 0.00	23.20 0.00 0.00
WATSON___69_KV_BK 1 55734	24.73 2.19 -3.78	22.92 1.70 -6.91	21.43 1.57 -6.43	20.18 1.47 -5.49	20.10 1.41 -5.66	21.65 1.60 -6.45	22.35 1.62 -4.34	24.27 1.81 -6.13	25.46 2.38 -2.54	25.77 2.63 -1.94	26.81 3.11 -0.18	27.94 3.13 0.00	33.27 3.86 -1.87	34.71 3.91 -2.28	34.26 4.21 0.00	37.83 4.15 -2.26	46.72 5.22 -3.66	50.71 6.23 -0.90	47.09 5.53 0.00	49.66 4.68 -7.52	38.59 4.10 -0.03	35.72 4.01 -1.56	33.05 3.63 -2.91	32.27 3.06 -6.01
WDELAWARE___HYD 323627	22.89 0.86 -3.27	20.61 0.57 -5.73	19.21 0.51 -5.27	18.50 0.52 -4.75	18.42 0.48 -4.90	19.71 0.53 -5.59	20.81 0.67 -3.76	22.33 0.70 -5.30	23.72 0.99 -2.20	24.05 1.17 -1.67	24.88 1.20 -0.15	26.11 1.29 0.00	28.98 1.43 0.00	30.06 1.54 0.00	31.76 1.71 0.00	33.18 1.76 0.00	40.18 2.27 -0.07	46.11 2.53 0.00	43.76 2.20 0.00	39.45 1.98 0.00	36.11 1.65 0.00	31.69 1.54 0.00	27.76 1.25 0.00	25.60 1.18 -1.21
WEST BABYLON___IC 23714	24.65 2.12 -3.78	22.82 1.62 -6.89	21.30 1.46 -6.40	20.09 1.38 -5.49	20.01 1.32 -5.66	21.54 1.50 -6.45	22.30 1.57 -4.34	24.20 1.75 -6.13	25.40 2.32 -2.54	25.71 2.57 -1.94	26.74 3.03 -0.18	27.89 3.08 0.00	33.16 3.75 -1.87	34.53 3.74 -2.28	34.05 4.00 0.00	37.62 3.96 -2.24	45.67 4.99 -2.83	50.40 5.93 -0.89	46.84 5.28 0.00	44.78 4.46 -2.86	38.36 3.89 -0.01	35.54 3.83 -1.56	32.92 3.50 -2.91	32.13 2.92 -6.01
WEST CANADA___HYD 24049	18.77 0.02 0.00	14.34 0.03 0.00	13.46 0.03 0.00	13.25 0.03 0.00	13.06 0.03 0.00	13.62 0.03 0.00	16.42 0.03 0.00	16.36 0.03 0.00	20.58 0.04 0.00	21.29 0.09 0.00	23.62 0.09 0.00	24.94 0.12 0.00	27.66 0.11 0.00	28.63 0.11 0.00	30.14 0.09 0.00	31.52 0.09 0.00	37.99 0.15 0.00	43.76 0.18 0.00	41.73 0.17 0.00	37.62 0.15 0.00	34.60 0.14 0.00	30.25 0.09 0.00	26.59 0.08 0.00	23.27 0.07 0.00



WESTERN_NY_WIND 24143	19.41 0.15 -0.51	15.30 0.10 -0.89	14.44 0.19 -0.82	14.20 0.24 -0.74	14.05 0.26 -0.76	14.70 0.24 -0.87	17.25 0.26 -0.60	17.27 0.10 -0.85	20.83 -0.06 -0.35	21.92 0.45 -0.27	24.30 0.75 -0.02	25.61 0.79 0.00	28.29 0.74 0.00	29.43 0.91 0.00	30.53 0.48 0.00	32.27 0.85 0.00	38.64 0.80 0.00	44.06 0.48 0.00	42.14 0.58 0.00	38.03 0.56 0.00	35.35 0.89 0.00	30.94 0.78 0.00	27.76 1.25 0.00	24.08 0.70 -0.19
WESTOVER___LESR 323668	20.05 0.19 -1.11	16.41 0.17 -1.93	15.41 0.20 -1.78	15.04 0.21 -1.60	14.90 0.21 -1.65	15.72 0.24 -1.89	18.00 0.31 -1.31	18.45 0.28 -1.85	21.55 0.25 -0.76	22.22 0.42 -0.58	24.12 0.54 -0.05	25.51 0.69 0.00	28.18 0.63 0.00	29.32 0.80 0.00	30.74 0.69 0.00	32.37 0.94 0.00	38.94 1.10 0.00	44.63 1.05 0.00	43.15 0.87 -0.72	39.15 0.75 -0.94	35.43 0.79 -0.18	30.82 0.66 0.00	27.02 0.50 0.00	24.00 0.39 -0.41
WETHRSFD_WT_PWR 323626	19.22 -0.19 -0.66	15.30 -0.16 -1.15	14.42 -0.07 -1.05	14.17 -0.01 -0.95	14.03 0.01 -0.98	14.70 -0.01 -1.12	17.09 -0.07 -0.78	17.22 -0.20 -1.10	20.58 -0.41 -0.45	21.62 0.06 -0.35	24.00 0.45 -0.03	25.29 0.47 0.00	27.91 0.36 0.00	29.03 0.51 0.00	30.26 0.21 0.00	31.92 0.50 0.00	38.22 0.38 0.00	43.58 0.00 0.00	41.52 -0.04 0.00	37.43 -0.04 0.00	34.77 0.31 0.00	30.43 0.27 0.00	27.31 0.79 0.00	23.65 0.21 -0.24
WHAVSTOR_138KV_BK127 55557	23.47 1.11 -3.61	21.39 0.77 -6.31	19.91 0.67 -5.80	19.15 0.69 -5.24	19.10 0.66 -5.40	20.45 0.69 -6.16	21.42 0.88 -4.15	23.13 0.95 -5.86	24.32 1.36 -2.43	24.67 1.61 -1.85	25.48 1.79 -0.17	26.63 1.81 0.00	29.70 2.15 0.00	30.57 2.05 0.00	32.30 2.25 0.00	33.62 2.20 0.00	40.76 2.80 -0.12	46.85 3.27 0.00	44.35 2.78 0.00	39.94 2.47 0.00	36.49 2.03 0.00	32.15 1.99 0.00	28.37 1.86 0.00	26.09 1.55 -1.34
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	23.47 1.11 -3.61	21.39 0.77 -6.31	19.91 0.67 -5.80	19.15 0.69 -5.24	19.10 0.66 -5.40	20.45 0.69 -6.16	21.42 0.88 -4.15	23.13 0.95 -5.86	24.32 1.36 -2.43	24.67 1.61 -1.85	25.48 1.79 -0.17	26.63 1.81 0.00	29.70 2.15 0.00	30.57 2.05 0.00	32.30 2.25 0.00	33.62 2.20 0.00	40.76 2.80 -0.12	46.85 3.27 0.00	44.35 2.78 0.00	39.94 2.47 0.00	36.49 2.03 0.00	32.15 1.99 0.00	28.37 1.86 0.00	26.09 1.55 -1.34
WHITEHAL_115KV_TB1 80871	25.42 1.63 -5.03	24.35 1.23 -8.81	22.66 1.13 -8.10	21.64 1.10 -7.31	21.68 1.11 -7.54	23.40 1.21 -8.60	24.14 1.52 -6.23	25.98 1.47 -8.19	26.82 2.10 -4.19	26.17 2.38 -2.59	26.12 2.35 -0.24	27.27 2.46 0.00	30.33 2.78 0.00	31.34 2.82 0.00	33.36 3.31 0.00	34.63 3.21 0.00	41.35 3.67 0.16	47.99 4.40 0.00	46.09 4.53 0.00	41.85 4.38 0.00	38.99 4.41 -0.12	33.87 3.71 0.00	29.62 3.10 0.00	28.34 2.53 -2.61
WHITEPLN_13_KV_LOAD 356215	23.85 1.33 -3.77	21.84 0.94 -6.59	20.31 0.82 -6.06	19.51 0.82 -5.47	19.48 0.81 -5.64	20.85 0.83 -6.43	21.78 1.06 -4.33	23.58 1.14 -6.11	24.68 1.60 -2.53	25.03 1.89 -1.93	25.96 2.26 -0.18	27.13 2.31 0.00	30.28 2.73 0.00	31.12 2.60 0.00	32.72 2.67 0.00	34.03 2.61 0.00	41.34 3.37 -0.13	47.55 3.97 0.00	45.01 3.45 0.00	40.54 3.07 0.00	37.04 2.58 0.00	32.63 2.47 0.00	28.82 2.31 0.00	26.54 1.95 -1.40
WM_FLOYD_69_KV_BK2 356380	24.43 1.89 -3.78	22.82 1.60 -6.91	21.37 1.50 -6.44	20.10 1.39 -5.49	20.04 1.36 -5.66	21.59 1.55 -6.45	22.09 1.36 -4.34	24.01 1.55 -6.13	25.16 2.07 -2.54	25.41 2.27 -1.94	26.38 2.68 -0.18	27.50 2.68 0.00	32.80 3.39 -1.87	34.22 3.42 -2.28	33.75 3.70 0.00	37.30 3.58 -2.29	45.83 4.58 -3.41	50.02 5.54 -0.90	46.39 4.82 -0.01	49.79 4.08 -8.24	38.07 3.55 -0.06	35.24 3.53 -1.56	32.60 3.18 -2.91	31.97 2.76 -6.01
WOODARD___115KV_TB2 355635	18.98 -0.09 -0.32	14.84 -0.03 -0.56	13.93 -0.01 -0.51	13.68 -0.01 -0.46	13.50 -0.01 -0.48	14.15 0.01 -0.55	16.90 0.13 -0.38	16.98 0.11 -0.54	20.81 0.04 -0.22	21.46 0.08 -0.17	23.63 0.09 -0.02	25.02 0.20 0.00	27.66 0.11 0.00	28.75 0.23 0.00	30.17 0.12 0.00	31.71 0.28 0.00	38.14 0.30 0.00	43.76 0.17 0.00	42.67 -0.17 -1.27	39.03 -0.11 -1.67	34.71 -0.07 -0.32	30.01 -0.15 0.00	26.33 -0.19 0.00	23.18 -0.14 -0.12
YORK___WARBASSE 23770	24.06 1.52 -3.78	21.95 1.03 -6.61	20.37 0.86 -6.07	19.62 0.91 -5.48	19.56 0.87 -5.65	20.88 0.84 -6.45	21.81 1.08 -4.34	23.61 1.16 -6.13	24.77 1.68 -2.54	25.16 2.01 -1.93	26.01 2.31 -0.18	27.13 2.31 0.00	30.37 2.81 -0.01	31.18 2.65 -0.01	32.93 2.88 0.00	34.19 2.77 0.00	41.53 3.56 -0.13	47.81 4.23 0.00	45.09 3.53 0.00	40.50 3.03 0.00	36.80 2.34 0.00	32.69 2.53 0.00	28.99 2.47 -0.01	26.72 2.11 -1.41