

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

10/24/2025

Name	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
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	49.67	47.87	47.99	44.15	42.66	50.37	68.30	156.41	108.64	52.90	47.55	49.80	44.13	44.69	44.72	45.67	47.20	56.39	67.16	71.90	63.27	65.39	53.41	53.72
24138	2.29	2.19	2.15	1.86	1.79	2.25	3.16	8.77	5.23	2.70	2.58	2.95	2.53	2.83	2.86	2.79	2.79	2.92	3.74	3.59	2.76	3.13	2.64	2.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	49.78	47.93	48.07	44.21	42.70	50.44	68.45	156.66	108.88	52.95	47.56	49.80	44.11	44.67	44.71	45.67	47.21	56.43	67.25	72.03	63.40	65.50	53.47	53.77
24260	2.39	2.25	2.23	1.92	1.84	2.32	3.31	9.02	5.46	2.75	2.60	2.94	2.51	2.80	2.85	2.79	2.79	2.96	3.83	3.72	2.89	3.24	2.70	2.51
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	49.78	47.93	48.07	44.21	42.70	50.44	68.45	156.66	108.88	52.95	47.56	49.80	44.11	44.67	44.71	45.67	47.21	56.43	67.25	72.03	63.40	65.50	53.47	53.77
24261	2.39	2.25	2.23	1.92	1.84	2.32	3.31	9.02	5.46	2.75	2.60	2.94	2.51	2.80	2.85	2.79	2.79	2.96	3.83	3.72	2.89	3.24	2.70	2.51
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	48.89	47.30	47.35	43.82	42.50	50.23	68.24	153.82	107.75	51.69	46.16	48.33	42.86	42.95	43.38	44.65	46.40	56.03	66.43	71.61	63.41	64.70	52.57	53.00
24011	1.51	1.62	1.51	1.53	1.63	2.12	3.09	6.18	4.33	1.49	1.20	1.47	1.26	1.09	1.52	1.77	1.98	2.56	3.01	3.30	2.90	2.44	1.80	1.74
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	48.99	47.41	47.44	43.94	42.66	50.51	68.73	154.65	108.35	51.87	46.34	48.61	43.17	43.16	43.63	44.95	46.72	56.47	66.91	72.23	63.95	65.04	52.74	53.20
23798	1.60	1.73	1.60	1.65	1.80	2.39	3.59	7.01	4.93	1.67	1.38	1.75	1.57	1.30	1.76	2.07	2.30	2.99	3.48	3.92	3.44	2.78	1.97	1.94
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	48.89	47.30	47.35	43.82	42.50	50.23	68.24	153.82	107.75	51.69	46.16	48.33	42.86	42.95	43.38	44.65	46.40	56.03	66.43	71.61	63.41	64.70	52.57	53.00
24028	1.51	1.62	1.51	1.53	1.63	2.12	3.09	6.18	4.33	1.49	1.20	1.47	1.26	1.09	1.52	1.77	1.98	2.56	3.01	3.30	2.90	2.44	1.80	1.74
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	48.40	46.93	47.05	43.51	42.17	49.65	67.03	150.87	106.27	50.47	44.94	47.14	41.63	42.23	42.73	44.15	45.81	55.18	65.31	70.38	62.68	63.95	52.02	52.48
23527	1.01	1.26	1.21	1.22	1.30	1.53	1.89	3.22	2.85	0.27	-0.03	0.29	0.03	0.37	0.86	1.28	1.39	1.70	1.89	2.07	2.16	1.69	1.25	1.22
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	46.99	45.44	45.63	42.12	40.71	47.95	64.89	146.74	102.81	49.53	44.28	46.25	41.03	41.45	41.73	42.83	44.45	53.31	63.23	67.97	60.22	61.85	50.43	50.81
24190	-0.40	-0.24	-0.21	-0.17	-0.15	-0.16	-0.25	-0.91	-0.61	-0.67	-0.68	-0.61	-0.58	-0.41	-0.13	-0.05	0.04	-0.17	-0.19	-0.34	-0.29	-0.41	-0.34	-0.45
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	48.45	46.56	46.67	43.01	41.62	49.07	66.32	149.32	66.50	51.47	46.12	47.97	42.60	42.71	42.53	43.54	45.02	54.40	64.51	69.61	61.72	63.54	51.78	52.32
355683	1.06	0.89	0.84	0.72	0.75	0.96	1.18	1.67	1.57	1.27	1.15	1.12	1.00	0.84	0.67	0.66	0.61	0.92	1.09	1.30	1.21	1.28	1.01	1.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	48.18	46.60	46.81	43.19	41.86	49.37	66.90	151.30	105.91	51.02	45.43	47.34	41.89	42.23	42.48	43.75	45.40	54.55	64.76	69.59	61.67	63.39	51.68	52.10
323833	0.79	0.92	0.97	0.90	0.99	1.25	1.75	3.66	2.49	0.82	0.46	0.48	0.29	0.37	0.61	0.87	0.98	1.08	1.34	1.28	1.16	1.13	0.91	0.84
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	48.17	46.59	46.80	43.18	41.83	49.35	66.86	151.25	105.84	51.00	45.41	47.31	41.87	42.22	42.47	43.74	45.39	54.54	64.74	69.56	61.64	63.38	51.67	52.09
323834	0.78	0.91	0.96	0.89	0.97	1.24	1.72	3.60	2.43	0.80	0.44	0.46	0.27	0.36	0.60	0.86	0.97	1.07	1.32	1.25	1.13	1.12	0.90	0.83
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	46.99	45.44	45.63	42.12	40.71	47.95	64.89	146.74	102.81	49.53	44.28	46.25	41.03	41.45	41.73	42.83	44.45	53.31	63.23	67.97	60.22	61.85	50.43	50.81
23571	-0.40	-0.24	-0.21	-0.17	-0.15	-0.16	-0.25	-0.91	-0.61	-0.67	-0.68	-0.61	-0.58	-0.41	-0.13	-0.05	0.04	-0.17	-0.19	-0.34	-0.29	-0.41	-0.34	-0.45
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

ALBANY___2 23572	46.99 -0.40 0.00	45.44 -0.24 0.00	45.63 -0.21 0.00	42.12 -0.17 0.00	40.71 -0.15 0.00	47.95 -0.16 0.00	64.89 -0.25 0.00	146.74 -0.91 0.00	102.81 -0.61 0.00	49.53 -0.67 0.00	44.28 -0.68 0.00	46.25 -0.61 0.00	41.03 -0.58 0.00	41.45 -0.41 0.00	41.73 -0.13 0.00	42.83 -0.05 0.00	44.45 0.04 0.00	53.31 -0.17 0.00	63.23 -0.19 0.00	67.97 -0.34 0.00	60.22 -0.29 0.00	61.85 -0.41 0.00	50.43 -0.34 0.00	50.81 -0.45 0.00
ALBANY___3 23573	46.99 -0.40 0.00	45.44 -0.24 0.00	45.63 -0.21 0.00	42.12 -0.17 0.00	40.71 -0.15 0.00	47.95 -0.16 0.00	64.89 -0.25 0.00	146.74 -0.91 0.00	102.81 -0.61 0.00	49.53 -0.67 0.00	44.28 -0.68 0.00	46.25 -0.61 0.00	41.03 -0.58 0.00	41.45 -0.41 0.00	41.73 -0.13 0.00	42.83 -0.05 0.00	44.45 0.04 0.00	53.31 -0.17 0.00	63.23 -0.19 0.00	67.97 -0.34 0.00	60.22 -0.29 0.00	61.85 -0.41 0.00	50.43 -0.34 0.00	50.81 -0.45 0.00
ALBANY___4 23574	46.99 -0.40 0.00	45.44 -0.24 0.00	45.63 -0.21 0.00	42.12 -0.17 0.00	40.71 -0.15 0.00	47.95 -0.16 0.00	64.89 -0.25 0.00	146.74 -0.91 0.00	102.81 -0.61 0.00	49.53 -0.67 0.00	44.28 -0.68 0.00	46.25 -0.61 0.00	41.03 -0.58 0.00	41.45 -0.41 0.00	41.73 -0.13 0.00	42.83 -0.05 0.00	44.45 0.04 0.00	53.31 -0.17 0.00	63.23 -0.19 0.00	67.97 -0.34 0.00	60.22 -0.29 0.00	61.85 -0.41 0.00	50.43 -0.34 0.00	50.81 -0.45 0.00
ALBANY___LFGE 323615	47.53 0.14 0.00	45.94 0.27 0.00	46.13 0.29 0.00	42.58 0.28 0.00	41.18 0.31 0.00	48.50 0.38 0.00	65.68 0.54 0.00	148.51 0.87 0.00	104.04 0.62 0.00	50.11 -0.09 0.00	44.79 -0.17 0.00	46.80 -0.05 0.00	41.48 -0.12 0.00	41.90 0.04 0.00	42.23 0.36 0.00	43.35 0.47 0.00	45.00 0.59 0.00	53.99 0.52 0.00	64.04 0.62 0.00	68.83 0.52 0.00	60.97 0.46 0.00	62.61 0.35 0.00	51.01 0.24 0.00	51.39 0.13 0.00
ALCOA_PA_115KV_PL-6C 55860	48.88 1.50 0.00	46.97 1.29 0.00	47.05 1.21 0.00	43.37 1.08 0.00	41.97 1.11 0.00	49.51 1.39 0.00	66.93 1.79 0.00	151.60 3.96 0.00	538.99 3.54 -432.03	51.95 1.75 0.00	46.51 1.54 0.00	48.43 1.57 0.00	42.99 1.39 0.00	43.05 1.19 0.00	42.85 0.98 0.00	43.84 0.95 0.00	45.32 0.90 0.00	54.79 1.32 0.00	65.00 1.58 0.00	70.16 1.85 0.00	62.27 1.76 0.00	64.11 1.85 0.00	52.25 1.48 0.00	52.81 1.55 0.00
ALCOA_RYNLDS___DRP 24188	48.88 1.50 0.00	46.97 1.29 0.00	47.05 1.21 0.00	43.37 1.08 0.00	41.97 1.11 0.00	49.51 1.39 0.00	66.93 1.79 0.00	151.60 3.96 0.00	538.99 3.54 -432.03	51.95 1.75 0.00	46.51 1.54 0.00	48.43 1.57 0.00	42.99 1.39 0.00	43.05 1.19 0.00	42.85 0.98 0.00	43.84 0.95 0.00	45.32 0.90 0.00	54.79 1.32 0.00	65.00 1.58 0.00	70.16 1.85 0.00	62.27 1.76 0.00	64.11 1.85 0.00	52.25 1.48 0.00	52.81 1.55 0.00
ALCOA___DSASP 323711	48.88 1.50 0.00	46.97 1.29 0.00	47.05 1.21 0.00	43.37 1.08 0.00	41.97 1.11 0.00	49.51 1.39 0.00	66.93 1.79 0.00	151.60 3.96 0.00	538.99 3.54 -432.03	51.95 1.75 0.00	46.51 1.54 0.00	48.43 1.57 0.00	42.99 1.39 0.00	43.05 1.19 0.00	42.84 0.98 0.00	43.83 0.95 0.00	45.32 0.90 0.00	54.79 1.32 0.00	65.00 1.58 0.00	70.16 1.85 0.00	62.27 1.76 0.00	64.11 1.85 0.00	52.25 1.48 0.00	52.81 1.55 0.00
ALLEGHENY___COGEN 23514	48.63 1.24 0.00	46.49 0.80 0.00	46.69 0.85 0.00	43.03 0.74 0.00	41.75 0.89 0.00	49.10 0.98 0.00	66.03 0.89 0.00	150.20 2.55 0.00	104.52 1.10 0.00	50.99 0.79 0.00	45.22 0.26 0.00	47.72 0.86 0.00	41.93 0.33 0.00	41.62 -0.24 0.00	41.98 0.12 0.00	42.44 -0.44 0.00	44.20 -0.21 0.00	54.46 0.98 0.00	65.09 1.67 0.00	70.61 2.30 0.00	62.50 1.99 0.00	64.32 2.07 0.00	52.29 1.52 0.00	53.28 2.02 0.00
ALTAMONT_115KV_TB 2 55880	47.69 0.31 0.00	46.12 0.44 0.00	46.34 0.51 0.00	42.74 0.45 0.00	41.26 0.40 0.00	48.59 0.47 0.00	65.77 0.63 0.00	149.00 1.36 0.00	104.24 0.82 0.00	50.36 0.15 0.00	45.04 0.07 0.00	47.02 0.17 0.00	41.66 0.06 0.00	42.09 0.23 0.00	42.27 0.40 0.00	43.34 0.46 0.00	44.97 0.55 0.00	53.93 0.46 0.00	64.00 0.58 0.00	68.81 0.51 0.00	60.95 0.44 0.00	62.72 0.46 0.00	51.16 0.39 0.00	51.58 0.32 0.00
ALTONA_WT_PWR 323606	48.69 1.31 0.00	47.08 1.40 0.00	47.25 1.41 0.00	43.67 1.38 0.00	42.36 1.50 0.00	50.01 1.89 0.00	67.05 1.91 0.00	151.81 4.16 0.00	107.45 4.03 0.00	51.89 1.69 0.00	46.39 1.42 0.00	48.06 1.21 0.00	42.69 1.09 0.00	42.69 0.82 0.00	42.63 0.77 0.00	44.05 1.17 0.00	45.37 0.95 0.00	54.92 1.45 0.00	64.98 1.56 0.00	69.67 1.36 0.00	61.65 1.14 0.00	63.11 0.84 0.00	51.62 0.85 0.00	52.44 1.18 0.00
AMERICAN_REF_FUEL 24010	45.59 -1.79 0.00	43.16 -2.52 0.00	43.30 -2.54 0.00	39.86 -2.43 0.00	38.68 -2.19 0.00	45.19 -2.93 0.00	59.31 -5.84 0.00	133.59 -14.06 0.00	93.40 -10.01 0.00	46.79 -3.42 0.00	43.06 -1.91 0.00	44.96 -1.89 0.00	40.11 -1.49 0.00	39.75 -1.96 0.15	38.35 -2.52 1.00	38.51 -3.15 1.23	39.50 -3.76 1.16	47.03 -4.29 2.16	56.39 -4.84 2.19	62.65 -4.76 0.90	55.64 -4.17 0.69	57.20 -3.88 1.18	45.00 -3.03 2.74	47.42 -1.90 1.94
ARKWRIGHT___SUMMIT_WT_PWR 323751	47.22 -0.17 0.00	44.75 -0.94 0.00	44.65 -1.18 0.00	41.22 -1.07 0.00	40.00 -0.87 0.00	46.68 -1.44 0.00	62.63 -2.51 0.00	142.05 -5.59 0.00	99.02 -4.40 0.00	48.94 -1.26 0.00	44.69 -0.28 0.00	46.19 -0.67 0.00	40.70 -0.90 0.00	40.26 -1.40 0.20	38.32 -2.14 1.40	38.59 -2.66 1.64	39.90 -2.98 1.53	48.07 -2.55 2.86	57.87 -2.65 2.90	65.11 -2.02 1.19	57.55 -2.04 0.92	59.17 -1.52 1.57	46.01 -1.12 3.64	48.59 -0.09 2.58
ARTHUR KILL_GT_1 23520	49.74 2.35 0.00	47.92 2.24 0.00	48.04 2.20 0.00	44.21 1.92 0.00	42.71 1.85 0.00	50.36 2.25 0.00	68.21 3.07 0.00	156.07 8.43 0.00	108.33 4.91 0.00	52.73 2.53 0.00	47.38 2.42 0.00	49.50 2.64 0.00	43.81 2.21 0.00	44.35 2.49 0.00	44.43 2.57 0.00	45.42 2.53 0.00	46.92 2.50 0.00	56.03 2.55 0.00	66.96 3.54 0.00	71.76 3.46 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.37 2.61 0.00	53.93 2.67 0.00
ARTHUR_KILL_2 23512	49.62 2.23 0.00	47.82 2.14 0.00	47.93 2.09 0.00	44.10 1.81 0.00	42.61 1.75 0.00	50.22 2.11 0.00	68.03 2.89 0.00	155.62 7.98 0.00	108.03 4.61 0.00	52.61 2.41 0.00	47.28 2.31 0.00	49.41 2.55 0.00	43.73 2.13 0.00	44.27 2.41 0.00	44.34 2.48 0.00	45.31 2.43 0.00	46.77 2.36 0.00	55.87 2.40 0.00	66.78 3.36 0.00	71.57 3.26 0.00	63.03 2.52 0.00	65.19 2.93 0.00	53.21 2.44 0.00	53.79 2.52 0.00
ARTHUR_KILL_3 23513	49.35 1.96 0.00	47.54 1.86 0.00	47.65 1.82 0.00	43.83 1.54 0.00	42.35 1.49 0.00	50.01 1.90 0.00	67.85 2.71 0.00	155.27 7.63 0.00	107.78 4.36 0.00	52.40 2.20 0.00	47.07 2.10 0.00	49.28 2.42 0.00	43.65 2.04 0.00	44.21 2.35 0.00	44.26 2.39 0.00	45.21 2.33 0.00	46.71 2.29 0.00	55.85 2.38 0.00	66.60 3.18 0.00	71.35 3.04 0.00	62.80 2.28 0.00	64.92 2.66 0.00	52.98 2.20 0.00	53.23 1.98 0.00

ARTHUR_KILL_COGEN 323718	49.74 2.35 0.00	47.93 2.25 0.00	48.03 2.20 0.00	44.21 1.92 0.00	42.71 1.85 0.00	50.36 2.24 0.00	68.21 3.07 0.00	156.06 8.42 0.00	108.34 4.92 0.00	52.73 2.53 0.00	47.38 2.41 0.00	49.50 2.65 0.00	43.81 2.21 0.00	44.35 2.49 0.00	44.43 2.56 0.00	45.42 2.53 0.00	46.87 2.46 0.00	56.02 2.54 0.00	66.96 3.54 0.00	71.77 3.46 0.00	63.21 2.70 0.00	65.37 3.11 0.00	53.36 2.59 0.00	53.92 2.66 0.00
ASHOKAN____ 23654	48.64 1.25 0.00	46.97 1.29 0.00	47.16 1.33 0.00	43.43 1.14 0.00	42.18 1.31 0.00	49.99 1.87 0.00	67.99 2.85 0.00	155.12 7.48 0.00	108.37 4.95 0.00	52.22 2.02 0.00	46.29 1.33 0.00	48.32 1.46 0.00	42.95 1.35 0.00	43.19 1.33 0.00	43.39 1.52 0.00	44.73 1.85 0.00	46.23 1.82 0.00	55.49 2.02 0.00	66.04 2.62 0.00	70.93 2.62 0.00	62.72 2.21 0.00	64.48 2.22 0.00	52.53 1.76 0.00	52.82 1.56 0.00
ASTORIA_EAST_ENERGY_CC1 323581	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.46 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.32 2.47 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.67 2.25 0.00	55.79 2.31 0.00	66.54 3.12 0.00	71.26 2.95 0.00	62.69 2.18 0.00	64.86 2.60 0.00	52.96 2.20 0.01	53.20 1.95 0.01
ASTORIA_EAST_ENERGY_CC2 323582	49.26 1.88 0.01	47.44 1.77 0.01	47.58 1.75 0.01	43.78 1.49 0.01	42.31 1.45 0.01	49.98 1.87 0.00	67.93 2.79 0.00	155.43 7.79 0.00	108.00 4.58 0.00	52.50 2.30 0.00	47.11 2.14 0.00	49.30 2.44 0.00	43.66 2.06 0.00	44.23 2.37 0.00	44.26 2.39 0.00	45.20 2.32 0.00	46.65 2.24 0.00	55.78 2.30 0.00	66.53 3.10 0.00	71.24 2.93 0.00	62.67 2.15 0.00	64.83 2.56 0.00	52.94 2.18 0.01	53.17 1.92 0.01
ASTORIA_GT2_1 24094	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT2_2 24095	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT2_3 24096	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT2_4 24097	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT3_1 24098	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT3_2 24099	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT3_3 24100	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT3_4 24101	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT4_1 24102	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT4_2 24103	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT4_3 24104	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01

ASTORIA_GT4_4 24105	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.47 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.31 2.46 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.69 2.27 0.00	55.80 2.32 0.00	66.55 3.13 0.00	71.26 2.96 0.00	62.70 2.19 0.00	64.87 2.61 0.00	52.97 2.20 0.01	53.20 1.95 0.01
ASTORIA_GT_1 23523	49.36 1.97 0.01	47.53 1.86 0.01	47.68 1.85 0.01	43.86 1.58 0.01	42.38 1.53 0.01	50.08 1.96 0.00	68.06 2.92 0.00	155.76 8.12 0.00	108.22 4.80 0.00	52.61 2.41 0.00	47.21 2.24 0.00	49.41 2.55 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.37 2.50 0.00	45.30 2.42 0.00	46.78 2.36 0.00	55.91 2.43 0.00	66.67 3.25 0.00	71.41 3.10 0.00	62.82 2.31 0.00	64.99 2.73 0.00	53.07 2.30 0.01	53.29 2.03 0.01
ASTORIA_GT_10 24110	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.08 1.78 0.00	42.57 1.70 0.00	50.19 2.08 0.00	68.05 2.91 0.00	155.72 8.08 0.00	108.20 4.78 0.00	52.67 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.47 2.61 0.00	44.51 2.64 0.00	45.47 2.59 0.00	46.97 2.55 0.00	56.08 2.61 0.00	66.83 3.41 0.00	71.59 3.29 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.29 2.52 0.00	53.57 2.32 0.00
ASTORIA_GT_11 24225	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.08 1.78 0.00	42.57 1.70 0.00	50.19 2.08 0.00	68.05 2.91 0.00	155.72 8.08 0.00	108.20 4.78 0.00	52.67 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.47 2.61 0.00	44.51 2.64 0.00	45.47 2.59 0.00	46.97 2.55 0.00	56.08 2.61 0.00	66.83 3.41 0.00	71.59 3.29 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.29 2.52 0.00	53.57 2.32 0.00
ASTORIA_GT_12 24226	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.08 1.78 0.00	42.57 1.70 0.00	50.19 2.08 0.00	68.05 2.91 0.00	155.72 8.08 0.00	108.20 4.78 0.00	52.67 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.47 2.61 0.00	44.51 2.64 0.00	45.47 2.59 0.00	46.97 2.55 0.00	56.08 2.61 0.00	66.83 3.41 0.00	71.59 3.29 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.29 2.52 0.00	53.57 2.32 0.00
ASTORIA_GT_13 24227	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.08 1.78 0.00	42.57 1.70 0.00	50.19 2.08 0.00	68.05 2.91 0.00	155.72 8.08 0.00	108.20 4.78 0.00	52.67 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.47 2.61 0.00	44.51 2.64 0.00	45.47 2.59 0.00	46.97 2.55 0.00	56.08 2.61 0.00	66.83 3.41 0.00	71.59 3.29 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.29 2.52 0.00	53.57 2.32 0.00
ASTORIA_GT_5 24106	49.36 1.97 0.01	47.53 1.86 0.01	47.68 1.85 0.01	43.86 1.58 0.01	42.38 1.53 0.01	50.08 1.96 0.00	68.06 2.92 0.00	155.76 8.12 0.00	108.22 4.80 0.00	52.61 2.41 0.00	47.21 2.24 0.00	49.41 2.55 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.37 2.50 0.00	45.30 2.42 0.00	46.78 2.36 0.00	55.91 2.43 0.00	66.67 3.25 0.00	71.41 3.10 0.00	62.82 2.31 0.00	64.99 2.73 0.00	53.07 2.30 0.01	53.29 2.03 0.01
ASTORIA_GT_7 24107	49.36 1.97 0.01	47.53 1.86 0.01	47.68 1.85 0.01	43.86 1.58 0.01	42.38 1.53 0.01	50.08 1.96 0.00	68.06 2.92 0.00	155.76 8.12 0.00	108.22 4.80 0.00	52.61 2.41 0.00	47.21 2.24 0.00	49.41 2.55 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.37 2.50 0.00	45.30 2.42 0.00	46.78 2.36 0.00	55.91 2.43 0.00	66.67 3.25 0.00	71.41 3.10 0.00	62.82 2.31 0.00	64.99 2.73 0.00	53.07 2.30 0.01	53.29 2.03 0.01
ASTORIA_GT_8 24108	49.36 1.97 0.01	47.53 1.86 0.01	47.68 1.85 0.01	43.86 1.58 0.01	42.38 1.53 0.01	50.08 1.96 0.00	68.06 2.92 0.00	155.76 8.12 0.00	108.22 4.80 0.00	52.61 2.41 0.00	47.21 2.24 0.00	49.41 2.55 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.37 2.50 0.00	45.30 2.42 0.00	46.78 2.36 0.00	55.91 2.43 0.00	66.67 3.25 0.00	71.41 3.10 0.00	62.82 2.31 0.00	64.99 2.73 0.00	53.07 2.30 0.01	53.29 2.03 0.01
ASTORIA___2 24149	49.27 1.89 0.01	47.45 1.78 0.01	47.59 1.76 0.01	43.78 1.50 0.01	42.33 1.47 0.01	50.00 1.88 0.00	67.95 2.81 0.00	155.46 7.82 0.00	108.02 4.60 0.00	52.51 2.31 0.00	47.12 2.15 0.00	49.32 2.47 0.00	43.69 2.09 0.00	44.24 2.38 0.00	44.29 2.42 0.00	45.21 2.33 0.00	46.67 2.25 0.00	55.79 2.31 0.00	66.54 3.12 0.00	71.26 2.95 0.00	62.69 2.18 0.00	64.86 2.60 0.00	52.96 2.20 0.01	53.20 1.95 0.01
ASTORIA___3 23516	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.07 1.78 0.00	42.57 1.70 0.00	50.19 2.07 0.00	68.05 2.91 0.00	155.73 8.09 0.00	108.19 4.78 0.00	52.66 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.46 2.61 0.00	44.51 2.64 0.00	45.46 2.58 0.00	46.94 2.52 0.00	56.08 2.60 0.00	66.83 3.41 0.00	71.58 3.27 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.27 2.50 0.00	53.56 2.30 0.00
ASTORIA___4 23517	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.08 1.78 0.00	42.57 1.70 0.00	50.19 2.08 0.00	68.05 2.91 0.00	155.72 8.08 0.00	108.20 4.78 0.00	52.67 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.47 2.61 0.00	44.51 2.64 0.00	45.47 2.59 0.00	46.97 2.55 0.00	56.08 2.61 0.00	66.83 3.41 0.00	71.59 3.29 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.29 2.52 0.00	53.57 2.32 0.00
ASTORIA___5 23518	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.07 1.78 0.00	42.57 1.70 0.00	50.19 2.07 0.00	68.05 2.91 0.00	155.73 8.09 0.00	108.19 4.78 0.00	52.66 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.46 2.61 0.00	44.51 2.64 0.00	45.46 2.58 0.00	46.94 2.52 0.00	56.08 2.60 0.00	66.83 3.41 0.00	71.58 3.27 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.27 2.50 0.00	53.56 2.30 0.00
AST_ENERGY_2_CC3 323677	48.94 1.56 0.01	47.15 1.48 0.01	47.29 1.46 0.01	43.50 1.22 0.01	42.05 1.18 0.01	49.67 1.56 0.00	67.52 2.38 0.00	154.46 6.82 0.00	107.31 3.89 0.00	52.17 1.97 0.00	46.81 1.84 0.00	49.00 2.15 0.00	43.40 1.80 0.00	43.95 2.09 0.00	43.99 2.13 0.00	44.93 2.05 0.00	46.37 1.96 0.00	55.43 1.96 0.00	66.12 2.70 0.00	70.83 2.52 0.00	62.29 1.78 0.00	64.45 2.19 0.00	52.60 1.84 0.01	52.66 1.41 0.01
AST_ENERGY_2_CC4 323678	48.94 1.56 0.01	47.15 1.48 0.01	47.29 1.46 0.01	43.50 1.22 0.01	42.05 1.18 0.01	49.67 1.56 0.00	67.52 2.38 0.00	154.46 6.82 0.00	107.31 3.89 0.00	52.17 1.97 0.00	46.81 1.84 0.00	49.00 2.15 0.00	43.40 1.80 0.00	43.95 2.09 0.00	43.99 2.13 0.00	44.93 2.05 0.00	46.37 1.96 0.00	55.43 1.96 0.00	66.12 2.70 0.00	70.83 2.52 0.00	62.29 1.78 0.00	64.45 2.19 0.00	52.60 1.84 0.01	52.66 1.41 0.01

ATHENS_STG_1 23668	48.27 0.88 0.00	46.69 1.01 0.00	46.93 1.10 0.00	43.21 0.92 0.00	41.66 0.79 0.00	49.08 0.96 0.00	66.48 1.34 0.00	151.08 3.44 0.00	105.43 2.02 0.00	51.03 0.83 0.00	45.71 0.75 0.00	47.78 0.93 0.00	42.34 0.74 0.00	42.79 0.93 0.00	42.91 1.05 0.00	43.94 1.06 0.00	45.50 1.09 0.00	54.51 1.04 0.00	64.76 1.34 0.00	69.55 1.25 0.00	61.52 1.01 0.00	63.43 1.17 0.00	51.79 1.02 0.00	52.18 0.92 0.00
ATHENS_STG_2 23670	48.27 0.88 0.00	46.69 1.01 0.00	46.93 1.10 0.00	43.21 0.92 0.00	41.66 0.79 0.00	49.08 0.96 0.00	66.48 1.34 0.00	151.08 3.44 0.00	105.43 2.02 0.00	51.03 0.83 0.00	45.71 0.75 0.00	47.78 0.93 0.00	42.34 0.74 0.00	42.79 0.93 0.00	42.91 1.05 0.00	43.94 1.06 0.00	45.50 1.09 0.00	54.51 1.04 0.00	64.76 1.34 0.00	69.55 1.25 0.00	61.52 1.01 0.00	63.43 1.17 0.00	51.79 1.02 0.00	52.18 0.92 0.00
ATHENS_STG_3 23677	48.27 0.88 0.00	46.69 1.01 0.00	46.93 1.10 0.00	43.21 0.92 0.00	41.66 0.79 0.00	49.08 0.96 0.00	66.48 1.34 0.00	151.08 3.44 0.00	105.43 2.02 0.00	51.03 0.83 0.00	45.71 0.75 0.00	47.78 0.93 0.00	42.34 0.74 0.00	42.79 0.93 0.00	42.91 1.05 0.00	43.94 1.06 0.00	45.50 1.09 0.00	54.51 1.04 0.00	64.76 1.34 0.00	69.55 1.25 0.00	61.52 1.01 0.00	63.43 1.17 0.00	51.79 1.02 0.00	52.18 0.92 0.00
AUBURN___LFGE 323710	47.33 -0.06 0.00	45.57 -0.11 0.00	45.66 -0.18 0.00	42.26 -0.03 0.00	40.74 -0.12 0.00	48.08 -0.04 0.00	65.17 0.03 0.00	147.13 -0.51 0.00	102.60 -0.82 0.00	50.01 -0.19 0.00	44.76 -0.21 0.00	46.61 -0.24 0.00	41.48 -0.12 0.00	41.56 -0.30 0.00	41.57 -0.30 0.00	42.50 -0.38 0.00	44.15 -0.27 0.00	53.34 -0.13 0.00	63.38 -0.04 0.00	68.36 0.05 0.00	60.50 -0.01 0.00	62.17 -0.09 0.00	50.61 -0.16 0.00	51.19 -0.07 0.00
BABYLON_RES_REC 323704	48.94 1.56 0.00	47.11 1.43 0.00	47.32 1.48 0.00	43.40 1.11 0.00	39.35 0.59 2.11	17.83 0.63 30.92	63.16 1.05 3.04	96.61 3.08 54.11	42.53 1.33 62.21	40.96 0.89 10.13	46.17 1.20 0.00	47.84 1.35 0.36	41.53 1.11 1.18	41.26 1.44 2.04	41.77 1.38 1.48	21.31 1.05 22.61	42.74 1.16 2.83	42.03 0.93 12.38	36.10 1.56 28.89	34.83 1.19 34.67	41.19 0.74 20.06	41.95 1.39 21.70	36.50 1.68 15.94	49.87 1.81 3.20
BALL_HILL_WT_PWR 323825	46.78 -0.61 0.00	44.47 -1.21 0.00	44.50 -1.34 0.00	41.01 -1.28 0.00	39.83 -1.04 0.00	46.54 -1.58 0.00	61.88 -3.26 0.00	139.90 -7.74 0.00	97.41 -6.01 0.00	48.32 -1.88 0.00	44.25 -0.71 0.00	46.04 -0.81 0.00	40.80 -0.81 0.00	40.48 -1.19 0.19	38.91 -1.69 1.27	39.12 -2.21 1.55	40.32 -2.65 1.45	48.07 -2.69 2.71	57.84 -2.84 2.75	64.69 -2.49 1.12	57.26 -2.38 0.87	58.78 -1.99 1.49	45.78 -1.54 3.45	48.29 -0.53 2.44
BARON_WINDS___WT_PWR 323822	46.50 -0.89 0.00	44.78 -0.90 0.00	44.95 -0.89 0.00	41.45 -0.84 0.00	40.17 -0.70 0.00	47.10 -1.01 0.00	63.12 -2.03 0.00	142.72 -4.92 0.00	99.05 -4.36 0.00	48.52 -1.68 0.00	43.87 -1.09 0.00	45.85 -1.00 0.00	40.57 -1.03 0.00	40.53 -1.42 -0.09	41.07 -1.39 -0.59	41.85 -1.72 -0.69	43.12 -1.94 -0.65	52.96 -1.73 -1.21	62.95 -1.70 -1.23	67.52 -1.28 -0.50	59.61 -1.30 -0.39	61.81 -1.11 -0.67	51.42 -0.89 -1.54	52.10 -0.25 -1.09
BARRETT_IC_1 23704	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_10 23701	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_11 23702	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_12 23703	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_2 23705	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_3 23706	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_4 23707	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_5 23708	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28

BARRETT_IC_6 23709	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_7 23710	48.97 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.55 1.35 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.29 1.26 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.59 1.73 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.20 1.55 -0.23	56.03 1.56 -1.00	68.02 2.26 -2.34	73.08 1.96 -2.80	63.53 1.40 -1.62	65.76 1.75 -1.76	53.66 1.60 -1.29	53.30 1.75 -0.28
BARRETT_IC_8 23711	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT_IC_9 23700	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT___1 23545	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BARRETT___2 23546	48.98 1.59 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.44 1.15 0.00	41.92 0.88 -0.17	49.88 0.98 -0.79	65.54 1.34 0.94	89.01 4.16 62.80	34.17 2.07 71.31	52.28 1.25 -0.82	46.44 1.47 0.00	48.54 1.68 0.00	43.02 1.42 0.00	43.60 1.74 0.00	43.60 1.68 -0.05	46.18 1.47 -1.83	46.18 1.53 -0.23	56.03 1.55 -1.00	68.02 2.26 -2.34	73.06 1.95 -2.80	63.53 1.39 -1.62	65.76 1.74 -1.76	53.65 1.59 -1.29	53.29 1.75 -0.28
BATAVIA___115KV_TB1 55881	47.51 0.13 0.00	45.11 -0.57 0.00	45.23 -0.61 0.00	41.65 -0.64 0.00	40.42 -0.44 0.00	47.43 -0.68 0.00	62.99 -2.15 0.00	142.74 -4.91 0.00	99.66 -3.76 0.00	49.34 -0.87 0.00	44.78 -0.19 0.00	46.57 -0.29 0.00	41.54 -0.06 0.00	41.48 -0.39 0.00	41.14 -0.73 0.00	41.72 -1.16 0.00	42.84 -1.57 0.00	52.08 -1.40 0.00	62.16 -1.26 0.00	67.28 -1.02 0.00	59.55 -0.96 0.00	61.47 -0.79 0.00	50.10 -0.67 0.00	51.39 0.13 0.00
BAYONEEC___CTG1 323682	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BAYONEEC___CTG10 323750	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BAYONEEC___CTG2 323683	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BAYONEEC___CTG3 323684	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BAYONEEC___CTG4 323685	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BAYONEEC___CTG5 323686	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BAYONEEC___CTG6 323687	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BAYONEEC___CTG7 323688	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00

BAYONEEC___CTG8 323689	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BAYONEEC___CTG9 323749	49.46 2.08 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.95 1.67 0.00	42.46 1.59 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.62 7.97 0.00	108.08 4.67 0.00	52.56 2.35 0.00	47.20 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.34 2.48 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.01 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.96 2.44 0.00	65.07 2.81 0.00	53.11 2.34 0.00	53.42 2.16 0.00
BEACON___LESR 323632	47.78 0.40 0.00	46.15 0.47 0.00	46.36 0.52 0.00	42.73 0.44 0.00	41.38 0.51 0.00	48.90 0.78 0.00	66.28 1.14 0.00	150.11 2.47 0.00	105.14 1.72 0.00	50.51 0.31 0.00	45.15 0.19 0.00	47.20 0.34 0.00	41.77 0.16 0.00	42.26 0.40 0.00	42.51 0.64 0.00	43.67 0.79 0.00	45.44 1.02 0.00	54.30 0.82 0.00	64.43 1.01 0.00	69.35 1.04 0.00	61.35 0.84 0.00	63.03 0.77 0.00	51.34 0.57 0.00	51.81 0.55 0.00
BEAVER RIVER___HYD 24048	48.71 1.33 0.00	46.54 0.86 0.00	46.44 0.61 0.00	42.96 0.67 0.00	41.87 1.00 0.00	49.47 1.35 0.00	67.77 2.63 0.00	154.29 6.65 0.00	202.20 4.81 -93.97	52.11 1.91 0.00	46.28 1.31 0.00	48.27 1.42 0.00	42.77 1.17 0.00	42.63 0.77 0.00	42.23 0.36 0.00	43.29 0.40 0.00	44.86 0.44 0.00	54.91 1.44 0.00	65.07 1.65 0.00	70.62 2.31 0.00	62.95 2.44 0.00	64.89 2.64 0.00	52.89 2.12 0.00	53.34 2.08 0.00
BEEBEE_GT_13 23619	47.01 -0.38 0.00	44.92 -0.75 0.00	45.02 -0.82 0.00	41.51 -0.78 0.00	40.21 -0.66 0.00	47.24 -0.87 0.00	63.39 -1.75 0.00	143.76 -3.89 0.00	100.47 -2.95 0.00	49.37 -0.84 0.00	44.71 -0.25 0.00	46.65 -0.21 0.00	41.51 -0.09 0.00	41.55 -0.31 0.00	41.31 -0.56 0.00	42.03 -0.85 0.00	43.37 -1.05 0.00	52.48 -0.99 0.00	62.40 -1.02 0.00	67.35 -0.96 0.00	59.63 -0.88 0.00	61.41 -0.85 0.00	50.02 -0.75 0.00	50.89 -0.37 0.00
BENSHRST_27_KV_BENSHRST_1 355998	49.89 2.50 0.00	48.05 2.37 0.00	48.15 2.31 0.00	44.29 2.00 0.00	42.79 1.93 0.00	50.49 2.37 0.00	68.56 3.43 0.00	156.99 9.35 0.00	109.09 5.67 0.00	53.08 2.88 0.00	47.68 2.72 0.00	49.87 3.02 0.00	44.16 2.57 0.00	44.72 2.86 0.00	44.78 2.91 0.00	45.75 2.87 0.00	47.25 2.83 0.00	56.49 3.02 0.00	67.43 4.00 0.00	72.22 3.91 0.00	63.57 3.06 0.00	65.75 3.49 0.00	53.65 2.88 0.00	53.96 2.70 0.00
BETHLEHEM___GRP 23843	46.99 -0.40 0.00	45.44 -0.24 0.00	45.63 -0.21 0.00	42.12 -0.17 0.00	40.71 -0.15 0.00	47.95 -0.16 0.00	64.89 -0.25 0.00	146.74 -0.91 0.00	102.81 -0.61 0.00	49.53 -0.67 0.00	44.28 -0.68 0.00	46.25 -0.61 0.00	41.03 -0.58 0.00	41.45 -0.41 0.00	41.73 -0.13 0.00	42.83 -0.05 0.00	44.45 0.04 0.00	53.31 -0.17 0.00	63.23 -0.19 0.00	67.97 -0.34 0.00	60.22 -0.29 0.00	61.85 -0.41 0.00	50.43 -0.34 0.00	50.81 -0.45 0.00
BETHLEHEM___GS1 323560	46.99 -0.40 0.00	45.44 -0.24 0.00	45.63 -0.21 0.00	42.12 -0.17 0.00	40.71 -0.15 0.00	47.95 -0.16 0.00	64.89 -0.25 0.00	146.74 -0.90 0.00	102.82 -0.60 0.00	49.53 -0.67 0.00	44.28 -0.68 0.00	46.25 -0.60 0.00	41.03 -0.57 0.00	41.45 -0.42 0.00	41.73 -0.13 0.00	42.82 -0.06 0.00	44.44 0.02 0.00	53.31 -0.17 0.00	63.23 -0.19 0.00	67.97 -0.34 0.00	60.22 -0.29 0.00	61.85 -0.41 0.00	50.41 -0.36 0.00	50.81 -0.45 0.00
BETHLEHEM___GS2 323561	46.99 -0.40 0.00	45.44 -0.24 0.00	45.63 -0.21 0.00	42.12 -0.17 0.00	40.71 -0.15 0.00	47.95 -0.16 0.00	64.89 -0.25 0.00	146.74 -0.90 0.00	102.82 -0.60 0.00	49.53 -0.67 0.00	44.28 -0.68 0.00	46.25 -0.60 0.00	41.03 -0.57 0.00	41.45 -0.42 0.00	41.73 -0.13 0.00	42.82 -0.06 0.00	44.44 0.02 0.00	53.31 -0.17 0.00	63.23 -0.19 0.00	67.97 -0.34 0.00	60.22 -0.29 0.00	61.85 -0.41 0.00	50.41 -0.36 0.00	50.81 -0.45 0.00
BETHLEHEM___GS3 323562	46.99 -0.40 0.00	45.44 -0.24 0.00	45.63 -0.21 0.00	42.12 -0.17 0.00	40.71 -0.15 0.00	47.95 -0.16 0.00	64.89 -0.25 0.00	146.74 -0.90 0.00	102.82 -0.60 0.00	49.53 -0.67 0.00	44.28 -0.68 0.00	46.25 -0.60 0.00	41.03 -0.57 0.00	41.45 -0.42 0.00	41.73 -0.13 0.00	42.82 -0.06 0.00	44.44 0.02 0.00	53.31 -0.17 0.00	63.23 -0.19 0.00	67.97 -0.34 0.00	60.22 -0.29 0.00	61.85 -0.41 0.00	50.41 -0.36 0.00	50.81 -0.45 0.00
BETHLEHEM___STEEL 23779	46.67 -0.71 0.00	44.36 -1.33 0.00	44.43 -1.40 0.00	40.91 -1.38 0.00	39.67 -1.19 0.00	46.45 -1.67 0.00	61.42 -3.72 0.00	138.72 -8.93 0.00	96.79 -6.63 0.00	48.17 -2.03 0.00	44.17 -0.80 0.00	46.11 -0.75 0.00	40.98 -0.62 0.00	40.82 -1.05 0.00	40.42 -1.45 0.00	40.94 -1.94 0.00	41.87 -2.55 0.00	50.81 -2.66 0.00	60.59 -2.83 0.00	65.70 -2.61 0.00	58.15 -2.36 0.00	60.22 -2.04 0.00	49.20 -1.57 0.00	50.69 -0.57 0.00
BETHLHEM_115KV_TB1 79974	47.17 -0.22 0.00	45.62 -0.06 0.00	45.80 -0.03 0.00	42.28 -0.02 0.00	40.84 -0.03 0.00	48.12 0.00 0.00	65.13 -0.01 0.00	147.33 -0.31 0.00	103.19 -0.23 0.00	49.74 -0.46 0.00	44.47 -0.49 0.00	46.47 -0.39 0.00	41.19 -0.41 0.00	41.62 -0.24 0.00	41.87 0.00 0.00	42.98 0.10 0.00	44.59 0.17 0.00	53.47 -0.01 0.00	63.42 0.00 0.00	68.17 -0.14 0.00	60.41 -0.10 0.00	62.07 -0.19 0.00	50.61 -0.16 0.00	51.01 -0.25 0.00
BETHPAGE_CC_5 323564	48.94 1.55 0.00	47.10 1.43 0.00	47.30 1.46 0.00	43.39 1.10 0.00	39.79 0.83 1.92	21.13 1.01 28.00	65.99 1.57 0.73	103.49 4.68 48.83	48.20 2.46 57.67	42.29 1.27 9.18	46.54 1.58 0.00	48.45 1.79 0.19	42.51 1.53 0.61	42.66 1.86 1.06	42.64 1.77 1.00	23.89 1.51 20.50	43.39 1.54 2.57	43.83 1.58 11.22	39.50 2.27 26.19	38.88 2.00 31.43	43.73 1.40 18.18	44.40 1.81 19.68	38.12 1.81 14.46	50.38 1.94 2.82
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	46.74 -0.65 0.00	44.44 -1.24 0.00	44.51 -1.33 0.00	40.99 -1.30 0.00	39.76 -1.11 0.00	46.54 -1.58 0.00	61.60 -3.54 0.00	139.11 -8.53 0.00	97.07 -6.35 0.00	48.30 -1.91 0.00	44.28 -0.69 0.00	46.22 -0.63 0.00	41.06 -0.54 0.00	40.90 -0.96 0.00	40.51 -1.35 0.00	41.04 -1.84 0.00	42.00 -2.42 0.00	50.95 -2.52 0.00	60.77 -2.65 0.00	65.88 -2.43 0.00	58.30 -2.21 0.00	60.36 -1.90 0.00	49.33 -1.44 0.00	50.79 -0.47 0.00
BINGHAMTON___COGEN 23790	47.44 0.06 0.00	45.74 0.06 0.00	45.90 0.06 0.00	42.36 0.07 0.00	41.01 0.14 0.00	48.13 0.01 0.00	65.09 -0.05 0.00	147.53 -0.11 0.00	102.64 -0.77 0.00	49.92 -0.28 0.00	44.91 -0.06 0.00	46.80 -0.05 0.00	41.57 -0.03 0.00	41.83 -0.03 0.00	41.73 -0.14 0.00	42.62 -0.26 0.00	44.12 -0.29 0.00	53.13 -0.34 0.00	63.19 -0.23 0.00	68.26 -0.05 0.00	60.33 -0.18 0.00	62.15 -0.11 0.00	50.63 -0.14 0.00	51.33 0.07 0.00

BIXINCNT_115KV_LOAD 355685	47.08 -0.31 0.00	44.99 -0.69 0.00	45.00 -0.84 0.00	41.43 -0.86 0.00	40.28 -0.59 0.00	47.15 -0.96 0.00	62.36 -2.78 0.00	141.21 -6.44 0.00	98.50 -4.92 0.00	48.97 -1.23 0.00	44.75 -0.22 0.00	46.56 -0.29 0.00	41.24 -0.36 0.00	40.75 -1.11 0.00	40.31 -1.56 0.00	40.99 -1.89 0.00	42.14 -2.28 0.00	51.32 -2.15 0.00	61.56 -1.86 0.00	66.64 -1.67 0.00	59.00 -1.51 0.00	61.02 -1.24 0.00	49.91 -0.86 0.00	51.33 0.07 0.00
BLACK RIVER___HYD 24047	48.72 1.33 0.00	46.46 0.78 0.00	46.36 0.52 0.00	42.92 0.63 0.00	41.83 0.96 0.00	49.51 1.39 0.00	68.01 2.87 0.00	155.20 7.56 0.00	173.57 5.39 -64.77	52.28 2.07 0.00	46.32 1.36 0.00	48.13 1.27 0.00	42.58 0.98 0.00	42.39 0.53 0.00	41.86 -0.01 0.00	42.95 0.06 0.00	44.97 0.56 0.00	55.25 1.77 0.00	65.57 2.15 0.00	71.19 2.88 0.00	63.38 2.87 0.00	65.19 2.93 0.00	53.04 2.27 0.00	53.47 2.21 0.00
BLACKRVR_115KV_TB2 79977	48.72 1.33 0.00	46.47 0.79 0.00	46.36 0.52 0.00	42.92 0.63 0.00	41.83 0.96 0.00	49.51 1.39 0.00	68.01 2.87 0.00	155.20 7.56 0.00	173.57 5.39 -64.77	52.28 2.07 0.00	46.32 1.36 0.00	48.13 1.27 0.00	42.58 0.98 0.00	42.39 0.53 0.00	41.86 -0.01 0.00	42.94 0.06 0.00	44.97 0.55 0.00	55.25 1.77 0.00	65.57 2.15 0.00	71.19 2.89 0.00	63.38 2.87 0.00	65.18 2.92 0.00	53.04 2.27 0.00	53.47 2.21 0.00
BLDWN_LI_69_KV_BK4 356085	49.23 1.84 0.00	47.38 1.70 0.00	47.57 1.73 0.00	43.66 1.37 0.00	40.92 1.13 1.08	33.36 1.37 16.13	66.57 2.05 0.63	110.79 5.80 42.65	57.43 3.18 49.17	46.69 1.65 5.16	46.78 1.82 0.00	48.88 2.02 0.00	43.34 1.74 0.00	43.90 2.04 0.00	43.54 1.98 0.31	33.13 1.77 11.53	44.88 1.91 1.45	49.19 2.03 6.31	51.58 2.88 14.72	53.27 2.63 17.67	52.27 1.98 10.22	53.54 2.34 11.06	44.69 2.05 8.13	51.88 2.13 1.52
BLISS_WT_PWR 323608	47.04 -0.35 0.00	44.97 -0.71 0.00	44.97 -0.87 0.00	41.40 -0.89 0.00	40.26 -0.61 0.00	47.14 -0.97 0.00	62.29 -2.85 0.00	141.07 -6.57 0.00	98.48 -4.94 0.00	48.97 -1.23 0.00	44.74 -0.22 0.00	46.50 -0.36 0.00	41.16 -0.44 0.00	40.36 -1.29 0.22	38.62 -1.77 1.48	39.14 -2.02 1.72	40.50 -2.31 1.61	48.26 -2.21 3.01	58.51 -1.86 3.05	65.39 -1.68 1.24	58.05 -1.50 0.97	59.40 -1.21 1.65	46.13 -0.83 3.82	48.66 0.10 2.70
BLUESTONE___WT_PWR 323821	48.96 1.57 0.00	46.97 1.30 0.00	47.25 1.41 0.00	43.52 1.23 0.00	42.37 1.51 0.00	49.93 1.81 0.00	68.04 2.90 0.00	155.40 7.76 0.00	108.01 4.59 0.00	51.99 1.79 0.00	46.51 1.54 0.00	48.23 1.38 0.00	42.68 1.08 0.96	42.86 0.22 -0.04	42.34 0.67 -0.26	43.87 0.88 -0.32	45.60 0.88 -0.30	55.01 0.98 -0.56	66.08 2.09 -0.57	71.66 3.12 -0.23	63.38 2.69 -0.18	65.02 2.45 -0.31	53.05 1.57 -0.71	53.13 1.37 -0.51
BLUE_CIRC_CHEM_DRP 24182	47.85 0.47 0.00	46.30 0.62 0.00	46.51 0.68 0.00	42.91 0.62 0.00	41.46 0.60 0.00	48.81 0.70 0.00	66.09 0.95 0.00	149.38 1.74 0.00	104.59 1.18 0.00	50.45 0.25 0.00	45.02 0.06 0.00	46.97 0.12 0.00	41.59 -0.01 0.00	41.98 0.11 0.00	42.22 0.36 0.00	43.41 0.53 0.00	45.11 0.70 0.00	54.14 0.67 0.00	64.24 0.82 0.00	69.04 0.73 0.00	61.19 0.68 0.00	62.91 0.65 0.00	51.32 0.55 0.00	51.75 0.49 0.00
BOC_GAS_DRP 24189	47.65 0.27 0.00	46.09 0.41 0.00	46.31 0.47 0.00	42.70 0.41 0.00	41.22 0.36 0.00	48.55 0.44 0.00	65.71 0.57 0.00	148.84 1.20 0.00	104.13 0.71 0.00	50.31 0.10 0.00	44.99 0.03 0.00	47.00 0.14 0.00	41.66 0.06 0.00	42.09 0.23 0.00	42.27 0.40 0.00	43.34 0.46 0.00	44.93 0.51 0.00	53.88 0.40 0.00	63.94 0.52 0.00	68.73 0.42 0.00	60.88 0.37 0.00	62.63 0.37 0.00	51.10 0.34 0.00	51.52 0.27 0.00
BOONVILLE_115KV_TB1 79983	48.41 1.03 0.00	46.49 0.81 0.00	46.51 0.67 0.00	43.01 0.72 0.00	41.80 0.93 0.00	49.35 1.23 0.00	67.36 2.22 0.00	153.14 5.50 0.00	143.39 3.68 -36.29	51.77 1.57 0.00	46.15 1.19 0.00	48.05 1.20 0.00	42.63 1.03 0.00	42.77 0.91 0.00	42.66 0.79 0.00	43.76 0.88 0.00	45.34 0.93 0.00	55.01 1.53 0.00	65.11 1.69 0.00	70.41 2.10 0.00	62.49 1.98 0.00	64.31 2.05 0.00	52.36 1.59 0.00	52.80 1.54 0.00
BORALEX_4TH_BRANCH 23824	48.40 1.01 0.00	46.94 1.26 0.00	47.05 1.21 0.00	43.51 1.22 0.00	42.17 1.31 0.00	49.65 1.53 0.00	67.03 1.89 0.00	150.87 3.23 0.00	106.27 2.86 0.00	50.47 0.27 0.00	44.94 -0.03 0.00	47.14 0.29 0.00	41.62 0.03 0.00	42.23 0.37 0.00	42.72 0.86 0.00	44.16 1.28 0.00	45.82 1.41 0.00	55.18 1.71 0.00	65.31 1.89 0.00	70.38 2.07 0.00	62.68 2.17 0.00	63.96 1.70 0.00	52.02 1.25 0.00	52.48 1.22 0.00
BOWLINE___1 23526	49.05 1.67 0.00	47.28 1.60 0.00	47.43 1.59 0.00	43.61 1.32 0.00	42.15 1.28 0.00	49.81 1.69 0.00	67.62 2.48 0.00	154.54 6.90 0.00	107.33 3.92 0.00	52.00 1.80 0.00	46.65 1.69 0.00	48.81 1.95 0.00	43.21 1.62 0.00	43.78 1.92 0.00	43.87 2.00 0.00	44.82 1.94 0.00	46.36 1.94 0.00	55.55 2.08 0.00	66.25 2.83 0.00	70.98 2.67 0.00	62.50 1.99 0.00	64.59 2.33 0.00	52.70 1.93 0.00	53.07 1.81 0.00
BOWLINE___2 23595	49.04 1.65 0.00	47.27 1.59 0.00	47.41 1.57 0.00	43.60 1.31 0.00	42.14 1.28 0.00	49.79 1.67 0.00	67.62 2.48 0.00	154.54 6.90 0.00	107.33 3.92 0.00	52.00 1.80 0.00	46.65 1.69 0.00	48.81 1.95 0.00	43.21 1.62 0.00	43.78 1.92 0.00	43.87 2.00 0.00	44.80 1.92 0.00	46.34 1.92 0.00	55.52 2.05 0.00	66.24 2.82 0.00	70.96 2.65 0.00	62.49 1.98 0.00	64.56 2.30 0.00	52.68 1.91 0.00	53.06 1.80 0.00
BRADY___115KV_TB2 356060	49.55 2.16 0.00	47.56 1.89 0.00	47.61 1.77 0.00	43.89 1.59 0.00	42.53 1.67 0.00	50.20 2.08 0.00	68.04 2.90 0.00	154.15 6.51 0.00	479.85 5.31 -371.12	52.53 2.33 0.00	46.98 2.01 0.00	49.06 2.20 0.00	43.46 1.86 0.00	43.36 1.49 0.00	43.07 1.21 0.00	43.97 1.09 0.00	45.55 1.13 0.00	55.35 1.88 0.00	65.76 2.34 0.00	71.13 2.83 0.00	63.23 2.72 0.00	65.10 2.84 0.00	53.09 2.32 0.00	53.61 2.35 0.00
BRANSCOMB___SOLAR 323811	48.69 1.31 0.00	47.08 1.40 0.00	47.19 1.35 0.00	43.61 1.32 0.00	42.25 1.39 0.00	49.86 1.75 0.00	67.62 2.48 0.00	152.60 4.96 0.00	106.87 3.45 0.00	51.33 1.13 0.00	45.81 0.84 0.00	47.86 1.00 0.00	42.41 0.81 0.00	42.63 0.77 0.00	43.04 1.17 0.00	44.25 1.37 0.00	46.05 1.63 0.00	55.53 2.05 0.00	65.84 2.42 0.00	70.91 2.60 0.00	62.84 2.33 0.00	64.30 2.04 0.00	52.31 1.54 0.00	52.74 1.48 0.00
BRDGHMPT_69_KV_BK1 55812	48.23 0.85 0.00	46.43 0.75 0.00	46.84 1.00 0.00	43.32 1.03 0.00	39.26 0.90 2.50	12.53 1.24 36.83	53.59 2.42 13.97	86.17 7.37 68.84	37.51 4.70 70.61	40.75 2.53 11.97	47.45 2.49 0.00	40.68 2.00 8.18	16.87 1.72 26.45	-1.83 2.01 45.70	23.61 1.78 20.04	17.77 1.63 26.74	43.10 2.04 3.35	40.72 1.88 14.64	32.13 2.86 34.16	29.42 2.10 40.99	38.31 1.51 23.72	38.60 2.00 25.66	33.16 1.25 18.85	44.37 1.05 7.94



BRENTWOD_69_KV_W. BRTWOOD 56703	49.08 1.69 0.00	47.24 1.56 0.00	47.44 1.60 0.00	43.52 1.23 0.00	39.43 0.96 2.40	13.82 1.09 35.39	54.75 1.83 12.22	86.91 4.73 65.46	38.04 2.59 67.97	40.09 1.40 11.52	46.80 1.84 0.00	48.24 2.15 0.77	40.93 1.80 2.48	39.74 2.16 4.28	41.40 2.04 2.51	18.71 1.55 25.72	42.93 1.74 3.22	41.13 1.74 14.08	33.00 2.43 32.86	31.06 2.17 39.43	39.29 1.59 22.81	39.47 1.89 24.68	34.28 1.65 18.13	49.38 1.94 3.82
BRISTLHL_115KV_TB1 79998	46.24 -1.15 0.00	44.51 -1.18 0.00	44.65 -1.19 0.00	41.25 -1.05 0.00	39.89 -0.98 0.00	46.91 -1.21 0.00	63.58 -1.57 0.00	144.10 -3.54 0.00	100.82 -2.59 0.00	48.98 -1.22 0.00	43.89 -1.07 0.00	45.73 -1.13 0.00	40.67 -0.93 0.00	40.92 -0.95 0.00	40.90 -0.97 0.00	41.83 -1.05 0.00	43.30 -1.12 0.00	52.26 -1.21 0.00	61.99 -1.43 0.00	66.78 -1.53 0.00	59.13 -1.38 0.00	60.76 -1.50 0.00	49.51 -1.26 0.00	50.00 -1.27 0.00
BROOKHAVEN___DRP 24191	48.10 0.71 0.00	46.29 0.61 0.00	46.52 0.69 0.00	42.73 0.44 0.00	38.61 0.24 2.50	11.61 0.37 36.87	51.92 0.95 14.17	82.23 3.64 69.05	34.85 2.11 70.68	39.48 1.27 11.99	46.40 1.43 0.00	39.75 1.09 8.19	16.03 0.92 26.49	-2.66 1.25 45.77	22.96 1.16 20.07	17.10 0.99 26.77	42.28 1.21 3.36	39.74 0.92 14.65	30.80 1.57 34.19	28.56 1.28 41.03	37.68 0.91 23.74	37.71 1.14 25.69	32.65 0.75 18.87	44.01 0.70 7.95
BROOKLYN_NAVY_YARD 23515	49.34 1.95 0.00	47.53 1.85 0.00	47.65 1.82 0.00	43.83 1.53 0.00	42.33 1.47 0.00	49.99 1.87 0.00	67.82 2.68 0.00	155.25 7.61 0.00	107.83 4.41 0.00	52.44 2.24 0.00	47.11 2.15 0.00	49.33 2.47 0.00	43.69 2.09 0.00	44.23 2.37 0.00	44.29 2.43 0.00	45.24 2.36 0.00	46.74 2.33 0.00	55.88 2.40 0.00	66.63 3.20 0.00	71.34 3.03 0.00	62.80 2.28 0.00	64.94 2.68 0.00	52.98 2.21 0.00	53.23 1.98 0.00
BROOKLYN___ARMY_DRP 323595	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.00	108.56 5.14 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.61 2.76 0.00	43.93 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	47.01 2.59 0.00	56.18 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.39 2.62 0.00	53.68 2.43 0.00
BROOME_2_LFGE 323671	47.44 0.06 0.00	45.74 0.06 0.00	45.90 0.06 0.00	42.36 0.07 0.00	41.01 0.14 0.00	48.13 0.01 0.00	65.09 -0.05 0.00	147.53 -0.11 0.00	102.64 -0.77 0.00	49.93 -0.28 0.00	44.91 -0.06 0.00	46.80 -0.05 0.00	41.57 -0.03 0.00	41.87 -0.03 -0.05	42.04 -0.13 -0.31	43.01 -0.26 -0.38	44.50 -0.28 -0.36	53.81 -0.34 -0.68	63.88 -0.23 -0.69	68.55 -0.04 -0.28	60.55 -0.18 -0.22	62.53 -0.10 -0.37	51.50 -0.14 -0.86	51.94 0.07 -0.61
BROOME___LFGE 323600	47.44 0.06 0.00	45.74 0.06 0.00	45.90 0.06 0.00	42.36 0.07 0.00	41.01 0.14 0.00	48.13 0.01 0.00	65.09 -0.05 0.00	147.53 -0.11 0.00	102.64 -0.77 0.00	49.93 -0.28 0.00	44.91 -0.06 0.00	46.80 -0.05 0.00	41.57 -0.03 0.00	41.87 -0.03 -0.05	42.04 -0.13 -0.31	43.01 -0.26 -0.38	44.50 -0.28 -0.36	53.81 -0.34 -0.68	63.88 -0.23 -0.69	68.55 -0.04 -0.28	60.55 -0.18 -0.22	62.53 -0.10 -0.37	51.50 -0.14 -0.86	51.94 0.07 -0.61
BROWNFLS_115KV_TB 3_5 80003	48.98 1.60 0.00	46.89 1.21 0.00	46.85 1.02 0.00	43.28 0.99 0.00	42.08 1.22 0.00	49.71 1.59 0.00	67.79 2.65 0.00	153.68 6.05 0.00	277.36 4.76 -169.19	52.15 1.95 0.00	46.44 1.47 0.00	48.62 1.76 0.00	43.14 1.54 0.00	42.93 1.07 0.00	42.57 0.70 0.00	43.47 0.58 0.00	44.77 0.35 0.00	54.55 1.08 0.00	64.71 1.29 0.00	70.27 1.96 0.00	62.77 2.26 0.00	64.85 2.59 0.00	52.94 2.17 0.00	53.41 2.16 0.00
BROWNSV1_27_KV_LOAD 356125	49.82 2.44 0.00	47.99 2.31 0.00	48.11 2.28 0.00	44.25 1.96 0.00	42.74 1.88 0.00	50.48 2.36 0.00	68.50 3.36 0.00	156.90 9.26 0.00	108.95 5.54 0.00	53.01 2.81 0.00	47.61 2.64 0.00	49.84 2.99 0.00	44.14 2.55 0.00	44.71 2.84 0.00	44.75 2.89 0.00	45.70 2.82 0.00	47.25 2.84 0.00	56.50 3.03 0.00	67.34 3.92 0.00	72.13 3.82 0.00	63.48 2.97 0.00	65.61 3.35 0.00	53.55 2.78 0.00	53.84 2.58 0.00
BURROWS___LYONSDAL 23803	48.45 1.06 0.00	46.44 0.76 0.00	46.44 0.60 0.00	42.95 0.66 0.00	41.78 0.91 0.00	49.34 1.22 0.00	67.43 2.29 0.00	153.40 5.76 0.00	154.97 3.94 -47.61	51.85 1.65 0.00	46.16 1.20 0.00	48.07 1.22 0.00	42.65 1.05 0.00	42.72 0.86 0.00	42.55 0.69 0.00	43.65 0.77 0.00	45.20 0.78 0.00	54.97 1.49 0.00	65.06 1.64 0.00	70.41 2.10 0.00	62.57 2.06 0.00	64.42 2.16 0.00	52.46 1.69 0.00	52.91 1.65 0.00
CAITHNESS_CC_1 323624	48.10 0.72 0.00	46.30 0.62 0.00	46.54 0.70 0.00	42.73 0.44 0.00	38.60 0.24 2.50	11.57 0.36 36.90	51.67 0.88 14.35	81.80 3.39 69.23	34.58 1.90 70.73	39.36 1.16 12.00	46.33 1.36 0.00	39.74 1.09 8.20	16.00 0.92 26.52	-2.69 1.27 45.82	22.94 1.17 20.09	17.07 0.98 26.79	42.18 1.13 3.36	39.67 0.86 14.66	30.69 1.49 34.22	28.44 1.20 41.06	37.57 0.82 23.76	37.58 1.03 25.71	32.58 0.70 18.89	44.01 0.71 7.96
CALPINE BETH_PAGE_GT4 24209	49.00 1.61 0.00	47.17 1.49 0.00	47.35 1.51 0.00	43.45 1.16 0.00	40.08 0.92 1.70	24.34 1.13 24.91	66.21 1.73 0.66	107.82 5.02 44.84	53.44 2.67 52.66	43.42 1.37 8.15	46.59 1.63 0.00	48.69 1.83 0.00	43.19 1.59 0.00	43.77 1.91 0.00	43.22 1.85 0.49	26.27 1.60 18.21	43.82 1.68 2.28	45.24 1.73 9.97	42.63 2.47 23.26	42.61 2.22 27.92	45.93 1.57 16.15	46.76 1.97 17.48	39.77 1.84 12.84	50.77 1.93 2.41
CALPINE_BETH_PAGE_GT_4 323586	49.00 1.61 0.00	47.17 1.49 0.00	47.35 1.51 0.00	43.45 1.16 0.00	40.09 0.92 1.70	24.34 1.13 24.91	66.21 1.73 0.66	107.83 5.03 44.84	53.45 2.69 52.66	43.42 1.38 8.15	46.59 1.63 0.00	48.69 1.84 0.00	43.19 1.59 0.00	43.78 1.92 0.00	43.22 1.85 0.49	26.27 1.60 18.21	43.80 1.66 2.28	45.22 1.72 9.97	42.61 2.46 23.26	42.59 2.20 27.92	45.93 1.57 16.15	46.74 1.96 17.48	39.76 1.83 12.84	50.77 1.93 2.41
CALPINE_BP_GT1 23823	49.00 1.61 0.00	47.17 1.49 0.00	47.35 1.51 0.00	43.45 1.16 0.00	40.09 0.92 1.70	24.34 1.13 24.91	66.21 1.73 0.66	107.83 5.03 44.84	53.45 2.69 52.66	43.42 1.38 8.15	46.59 1.63 0.00	48.69 1.84 0.00	43.19 1.59 0.00	43.78 1.92 0.00	43.22 1.85 0.49	26.27 1.60 18.21	43.80 1.66 2.28	45.22 1.72 9.97	42.61 2.46 23.26	42.59 2.20 27.92	45.93 1.57 16.15	46.74 1.96 17.48	39.76 1.83 12.84	50.77 1.93 2.41
CALSPAN___DRP 24200	46.67 -0.71 0.00	44.36 -1.33 0.00	44.43 -1.40 0.00	40.91 -1.38 0.00	39.67 -1.19 0.00	46.45 -1.67 0.00	61.42 -3.72 0.00	138.72 -8.93 0.00	96.79 -6.63 0.00	48.17 -2.03 0.00	44.17 -0.80 0.00	46.11 -0.75 0.00	40.98 -0.62 0.00	40.82 -1.05 0.00	40.42 -1.45 0.00	40.94 -1.94 0.00	41.87 -2.55 0.00	50.81 -2.66 0.00	60.59 -2.83 0.00	65.70 -2.61 0.00	58.15 -2.36 0.00	60.22 -2.04 0.00	49.20 -1.57 0.00	50.69 -0.57 0.00

CALVERTON___SOLAR 323806	48.10 0.71 0.00	46.30 0.62 0.00	46.54 0.70 0.00	42.77 0.48 0.00	38.65 0.29 2.50	11.67 0.41 36.86	52.13 1.08 14.10	82.66 3.99 68.98	35.13 2.37 70.66	39.60 1.38 11.98	46.51 1.54 0.00	39.80 1.14 8.19	16.06 0.96 26.50	-2.62 1.30 45.78	22.98 1.19 20.08	17.15 1.03 26.76	42.35 1.28 3.35	39.85 1.02 14.65	30.89 1.65 34.18	28.63 1.34 41.02	37.78 1.00 23.73	37.80 1.22 25.68	32.68 0.78 18.87	44.04 0.73 7.95
CANDIGU_WT_PWR 323617	46.50 -0.89 0.00	44.78 -0.90 0.00	44.95 -0.89 0.00	41.45 -0.84 0.00	40.17 -0.70 0.00	47.10 -1.01 0.00	63.12 -2.03 0.00	142.72 -4.92 0.00	99.05 -4.36 0.00	48.52 -1.68 0.00	43.87 -1.09 0.00	45.85 -1.00 0.00	40.57 -1.03 0.00	40.53 -1.42 -0.09	41.07 -1.39 -0.59	41.85 -1.72 -0.69	43.12 -1.94 -0.65	52.96 -1.73 -1.21	62.95 -1.70 -1.23	67.52 -1.28 -0.50	59.61 -1.30 -0.39	61.81 -1.11 -0.67	51.42 -0.89 -1.54	52.10 -0.25 -1.09
CARR STREET_E_SYR 24060	46.53 -0.86 0.00	44.81 -0.87 0.00	44.96 -0.88 0.00	41.54 -0.75 0.00	40.16 -0.71 0.00	47.22 -0.90 0.00	63.98 -1.16 0.00	145.01 -2.63 0.00	101.34 -2.07 0.00	49.27 -0.93 0.00	44.15 -0.82 0.00	46.03 -0.83 0.00	40.92 -0.68 0.00	41.19 -0.68 0.00	41.18 -0.69 0.00	42.13 -0.75 0.00	43.64 -0.78 0.00	52.56 -0.91 0.00	62.35 -1.07 0.00	67.18 -1.13 0.00	59.47 -1.04 0.00	61.10 -1.16 0.00	49.79 -0.98 0.00	50.30 -0.96 0.00
CARTHAGE___PAPER 23857	49.01 1.63 0.00	46.79 1.11 0.00	46.67 0.84 0.00	43.19 0.91 0.00	42.10 1.24 0.00	49.80 1.69 0.00	68.35 3.21 0.00	155.81 8.17 0.00	185.33 5.85 -76.07	52.48 2.28 0.00	46.56 1.60 0.00	48.48 1.62 0.00	42.93 1.33 0.00	42.75 0.89 0.00	42.27 0.40 0.00	43.30 0.42 0.00	45.19 0.78 0.00	55.44 1.96 0.00	65.74 2.32 0.00	71.36 3.05 0.00	63.56 3.05 0.00	65.47 3.21 0.00	53.30 2.54 0.00	53.74 2.48 0.00
CASSADAGA_WT_PWR 323784	47.55 0.17 0.00	45.08 -0.60 0.00	44.98 -0.86 0.00	41.45 -0.84 0.00	40.27 -0.60 0.00	46.96 -1.16 0.00	63.12 -2.02 0.00	143.30 -4.35 0.00	99.91 -3.50 0.00	49.45 -0.75 0.00	45.14 0.17 0.00	46.61 -0.25 0.00	40.97 -0.63 0.00	40.48 -1.17 0.21	38.51 -1.93 1.43	38.70 -2.52 1.66	39.94 -2.92 1.55	48.33 -2.25 2.90	58.16 -2.33 2.93	65.57 -1.54 1.20	57.95 -1.63 0.93	59.66 -1.01 1.59	46.44 -0.66 3.68	48.91 0.26 2.61
CE_DUNWOOD___DRP 24194	49.22 1.83 0.00	47.42 1.74 0.00	47.58 1.74 0.00	43.76 1.47 0.00	42.27 1.40 0.00	49.92 1.80 0.00	67.76 2.62 0.00	154.91 7.26 0.00	107.64 4.22 0.00	52.25 2.05 0.00	46.90 1.93 0.00	49.06 2.21 0.00	43.46 1.86 0.00	44.01 2.15 0.00	44.07 2.20 0.00	45.03 2.14 0.00	46.57 2.16 0.00	55.73 2.25 0.00	66.43 3.01 0.00	71.18 2.87 0.00	62.69 2.17 0.00	64.76 2.50 0.00	52.88 2.10 0.00	53.20 1.94 0.00
CE_MILLWOOD___DRP 24193	49.15 1.76 0.00	47.37 1.69 0.00	47.53 1.69 0.00	43.70 1.42 0.00	42.22 1.35 0.00	49.87 1.75 0.00	67.70 2.56 0.00	154.76 7.12 0.00	107.52 4.11 0.00	52.17 1.97 0.00	46.81 1.84 0.00	48.98 2.13 0.00	43.38 1.78 0.00	43.93 2.06 0.00	44.00 2.13 0.00	44.95 2.07 0.00	46.50 2.08 0.00	55.66 2.18 0.00	66.35 2.93 0.00	71.09 2.79 0.00	62.61 2.10 0.00	64.69 2.43 0.00	52.80 2.03 0.00	53.15 1.89 0.00
CE_NYC2_DRP 24202	49.56 2.17 0.00	47.76 2.08 0.00	47.88 2.04 0.00	44.07 1.78 0.00	42.56 1.70 0.00	50.19 2.08 0.00	68.06 2.92 0.00	155.78 8.13 0.00	108.22 4.80 0.00	52.67 2.46 0.00	47.34 2.37 0.00	49.56 2.71 0.00	43.92 2.32 0.00	44.48 2.62 0.00	44.51 2.64 0.00	45.47 2.59 0.00	46.98 2.56 0.00	56.10 2.63 0.00	66.85 3.43 0.00	71.60 3.29 0.00	63.03 2.52 0.00	65.21 2.95 0.00	53.29 2.52 0.00	53.58 2.32 0.00
CE_NYC_DRP 24195	49.53 2.15 0.00	47.72 2.04 0.00	47.85 2.01 0.00	44.00 1.71 0.00	42.51 1.65 0.00	50.19 2.07 0.00	68.08 2.94 0.00	155.78 8.14 0.00	108.20 4.79 0.00	52.65 2.45 0.00	47.29 2.33 0.00	49.51 2.66 0.00	43.85 2.25 0.00	44.42 2.56 0.00	44.46 2.60 0.00	45.41 2.53 0.00	46.94 2.53 0.00	56.12 2.65 0.00	66.87 3.45 0.00	71.62 3.31 0.00	63.04 2.53 0.00	65.14 2.88 0.00	53.17 2.40 0.00	53.47 2.21 0.00
CHAFFEE___LFGE 323603	46.77 -0.62 0.00	44.47 -1.20 0.00	44.55 -1.29 0.00	41.04 -1.26 0.00	39.79 -1.07 0.00	46.57 -1.54 0.00	61.75 -3.39 0.00	139.54 -8.10 0.00	97.32 -6.09 0.00	48.40 -1.80 0.00	44.36 -0.61 0.00	46.28 -0.58 0.00	41.12 -0.48 0.00	40.81 -0.86 0.19	39.29 -1.26 1.32	39.59 -1.73 1.56	40.73 -2.23 1.46	48.38 -2.37 2.72	58.19 -2.48 2.76	64.93 -2.25 1.13	57.56 -2.08 0.88	59.03 -1.74 1.49	45.95 -1.36 3.46	48.40 -0.41 2.45
CHATEAUG_35_KV_LOAD 355732	48.53 1.14 0.00	46.73 1.05 0.00	46.85 1.01 0.00	43.20 0.91 0.00	41.84 0.97 0.00	49.36 1.24 0.00	66.58 1.44 0.00	150.95 3.31 0.00	129.79 3.23 -23.15	51.72 1.52 0.00	46.19 1.22 0.00	47.80 0.95 0.00	42.49 0.89 0.00	42.59 0.72 0.00	42.46 0.59 0.00	43.63 0.75 0.00	45.09 0.68 0.00	54.60 1.12 0.00	64.73 1.32 0.00	69.63 1.32 0.00	61.76 1.25 0.00	63.48 1.23 0.00	51.82 1.06 0.00	52.40 1.14 0.00
CHATEAUG_WT_PWR 323614	48.36 0.98 0.00	46.59 0.90 0.00	46.71 0.87 0.00	43.08 0.79 0.00	41.73 0.86 0.00	49.22 1.11 0.00	66.35 1.21 0.00	150.34 2.70 0.00	106.08 2.66 0.00	51.51 1.31 0.00	46.06 1.09 0.00	47.78 0.92 0.00	42.45 0.85 0.00	42.52 0.66 0.00	42.42 0.55 0.00	43.57 0.69 0.00	45.01 0.59 0.00	54.41 0.94 0.00	64.47 1.05 0.00	69.39 1.08 0.00	61.50 0.99 0.00	63.18 0.92 0.00	51.58 0.81 0.00	52.19 0.93 0.00
CHAT_HIGH_FALL_HYD 323578	48.53 1.14 0.00	46.73 1.05 0.00	46.85 1.01 0.00	43.20 0.91 0.00	41.84 0.97 0.00	49.36 1.24 0.00	66.58 1.44 0.00	150.95 3.31 0.00	129.79 3.23 -23.15	51.72 1.52 0.00	46.19 1.22 0.00	47.80 0.95 0.00	42.49 0.89 0.00	42.59 0.72 0.00	42.46 0.59 0.00	43.63 0.75 0.00	45.09 0.68 0.00	54.60 1.12 0.00	64.73 1.32 0.00	69.63 1.32 0.00	61.76 1.25 0.00	63.48 1.23 0.00	51.82 1.06 0.00	52.40 1.14 0.00
CHAUTAUQUA___LFGE 323629	47.11 -0.28 0.00	44.76 -0.92 0.00	44.74 -1.10 0.00	41.27 -1.03 0.00	40.09 -0.78 0.00	46.80 -1.32 0.00	62.56 -2.58 0.00	141.67 -5.97 0.00	98.61 -4.81 0.00	48.78 -1.43 0.00	44.62 -0.35 0.00	46.25 -0.60 0.00	40.87 -0.73 0.00	40.52 -1.15 0.20	38.78 -1.75 1.34	39.03 -2.26 1.59	40.30 -2.62 1.49	48.25 -2.44 2.79	58.09 -2.51 2.83	65.17 -1.98 1.16	57.62 -1.99 0.90	59.18 -1.55 1.53	46.02 -1.20 3.55	48.57 -0.18 2.51
CHERRYST_13_KV_LD 356241	49.64 2.25 0.00	47.82 2.14 0.00	47.95 2.12 0.00	44.10 1.81 0.00	42.61 1.74 0.00	50.31 2.19 0.00	68.24 3.10 0.00	156.21 8.57 0.00	108.52 5.10 0.00	52.82 2.62 0.00	47.44 2.48 0.00	49.67 2.82 0.00	44.01 2.41 0.00	44.56 2.70 0.00	44.60 2.73 0.00	45.56 2.68 0.00	47.09 2.67 0.00	56.30 2.82 0.00	67.07 3.65 0.00	71.80 3.49 0.00	63.18 2.67 0.00	65.30 3.04 0.00	53.31 2.54 0.00	53.61 2.35 0.00

CHESTROR_138KV_BK263 355645	48.96 1.58 0.00	47.22 1.54 0.00	47.39 1.55 0.00	43.59 1.30 0.00	42.11 1.25 0.00	49.73 1.61 0.00	67.46 2.31 0.00	154.02 6.38 0.00	107.03 3.62 0.00	51.83 1.63 0.00	46.44 1.48 0.00	48.57 1.71 0.00	43.01 1.41 0.00	43.56 1.69 0.00	43.65 1.78 0.00	44.62 1.74 0.00	46.20 1.79 0.00	55.38 1.91 0.00	66.02 2.59 0.00	70.77 2.47 0.00	62.38 1.87 0.00	64.45 2.19 0.00	52.60 1.83 0.00	52.97 1.71 0.00
CH_MIDHUDSON___DRP 24192	48.97 1.59 0.00	47.26 1.58 0.00	47.46 1.62 0.00	43.64 1.35 0.00	42.13 1.27 0.00	49.74 1.62 0.00	67.47 2.33 0.00	153.97 6.33 0.00	107.12 3.70 0.00	51.92 1.72 0.00	46.52 1.56 0.00	48.64 1.79 0.00	43.10 1.50 0.00	43.63 1.77 0.00	43.73 1.86 0.00	44.73 1.85 0.00	46.30 1.89 0.00	55.47 2.00 0.00	66.05 2.63 0.00	70.83 2.52 0.00	62.48 1.97 0.00	64.48 2.23 0.00	52.65 1.88 0.00	52.98 1.72 0.00
CH_MISC_IPPS 23765	49.34 1.96 0.00	47.59 1.91 0.00	47.77 1.93 0.00	43.93 1.64 0.00	42.43 1.56 0.00	50.11 2.00 0.00	68.04 2.90 0.00	155.34 7.70 0.00	108.02 4.61 0.00	52.31 2.11 0.00	46.87 1.90 0.00	49.00 2.15 0.00	43.44 1.84 0.00	43.95 2.08 0.00	44.05 2.18 0.00	45.06 2.18 0.00	46.63 2.21 0.00	55.92 2.44 0.00	66.61 3.19 0.00	71.43 3.12 0.00	62.98 2.47 0.00	65.02 2.76 0.00	53.04 2.27 0.00	53.39 2.13 0.00
CH_RES_BVR_FALLS 23983	47.63 0.25 0.00	45.84 0.16 0.00	45.96 0.12 0.00	42.42 0.13 0.00	41.04 0.18 0.00	48.36 0.24 0.00	65.43 0.29 0.00	148.34 0.70 0.00	104.15 0.73 0.00	50.60 0.40 0.00	45.27 0.31 0.00	47.14 0.28 0.00	41.84 0.24 0.00	42.05 0.19 0.00	41.95 0.08 0.00	42.99 0.11 0.00	44.49 0.07 0.00	53.62 0.15 0.00	63.55 0.13 0.00	68.56 0.26 0.00	60.78 0.27 0.00	62.56 0.30 0.00	51.00 0.23 0.00	51.52 0.26 0.00
CH_RES_NIAGARA 23895	45.87 -1.52 0.00	43.46 -2.21 0.00	43.58 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.47 -2.65 0.00	59.35 -5.79 0.00	133.57 -14.07 0.00	93.42 -10.00 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.29 -1.57 0.00	40.37 -1.23 0.00	40.12 -1.74 0.00	39.64 -2.23 0.00	40.11 -2.77 0.00	40.89 -3.52 0.00	49.36 -4.12 0.00	58.68 -4.74 0.00	63.53 -4.78 0.00	56.35 -4.16 0.00	58.40 -3.86 0.00	47.88 -2.89 0.00	49.55 -1.71 0.00
CH_RES_SYRACUSE 23985	46.83 -0.56 0.00	45.10 -0.58 0.00	45.25 -0.59 0.00	41.80 -0.49 0.00	40.42 -0.45 0.00	47.55 -0.56 0.00	64.49 -0.65 0.00	146.03 -1.62 0.00	102.02 -1.39 0.00	49.58 -0.63 0.00	44.40 -0.57 0.00	46.27 -0.59 0.00	41.13 -0.47 0.00	41.37 -0.48 0.00	41.38 -0.49 0.00	42.35 -0.53 0.00	43.90 -0.52 0.00	52.90 -0.57 0.00	62.76 -0.66 0.00	67.64 -0.67 0.00	59.88 -0.63 0.00	61.52 -0.74 0.00	50.12 -0.65 0.00	50.62 -0.64 0.00
CLINTON_WT_PWR 323605	48.36 0.98 0.00	46.59 0.90 0.00	46.71 0.87 0.00	43.08 0.79 0.00	41.73 0.86 0.00	49.22 1.11 0.00	66.35 1.21 0.00	150.34 2.70 0.00	106.08 2.66 0.00	51.51 1.31 0.00	46.06 1.09 0.00	47.78 0.92 0.00	42.45 0.85 0.00	42.52 0.66 0.00	42.42 0.55 0.00	43.57 0.69 0.00	45.01 0.59 0.00	54.41 0.94 0.00	64.47 1.05 0.00	69.39 1.08 0.00	61.50 0.99 0.00	63.18 0.92 0.00	51.58 0.81 0.00	52.19 0.93 0.00
CLINTON___LFGE 323618	48.92 1.53 0.00	47.19 1.51 0.00	47.33 1.49 0.00	43.70 1.41 0.00	42.38 1.51 0.00	50.04 1.92 0.00	67.27 2.12 0.00	152.56 4.92 0.00	108.09 4.67 0.00	52.21 2.01 0.00	46.62 1.66 0.00	48.28 1.42 0.00	42.86 1.26 0.00	42.87 1.01 0.00	42.78 0.91 0.00	44.13 1.25 0.00	45.53 1.11 0.00	55.17 1.69 0.00	65.39 1.97 0.00	70.24 1.93 0.00	62.19 1.68 0.00	63.70 1.45 0.00	52.06 1.29 0.00	52.79 1.53 0.00
COBBLENY_34_KV_TB1 80064	46.77 -0.61 0.00	44.47 -1.20 0.00	44.55 -1.29 0.00	41.04 -1.26 0.00	39.79 -1.07 0.00	46.59 -1.53 0.00	61.75 -3.39 0.00	139.54 -8.10 0.00	97.36 -6.05 0.00	48.41 -1.80 0.00	44.36 -0.61 0.00	46.29 -0.57 0.00	41.13 -0.47 0.00	41.00 -0.86 0.00	40.61 -1.26 0.00	41.14 -1.74 0.00	42.10 -2.31 0.00	51.09 -2.38 0.00	60.94 -2.49 0.00	66.05 -2.26 0.00	58.43 -2.08 0.00	60.49 -1.77 0.00	49.40 -1.37 0.00	50.82 -0.44 0.00
COFFEEN___115KV_TB3 355620	48.93 1.54 0.00	46.67 0.99 0.00	46.57 0.73 0.00	43.10 0.81 0.00	42.01 1.14 0.00	49.72 1.61 0.00	68.35 3.21 0.00	156.05 8.41 0.00	172.12 5.94 -62.77	52.48 2.28 0.00	46.50 1.54 0.00	48.23 1.38 0.00	42.66 1.06 0.00	42.43 0.57 0.00	41.89 0.02 0.00	42.96 0.08 0.00	45.19 0.77 0.00	55.56 2.08 0.00	65.96 2.54 0.00	71.63 3.32 0.00	63.73 3.22 0.00	65.53 3.27 0.00	53.28 2.51 0.00	53.67 2.41 0.00
COLDSPRG_115KV_BK1 355956	48.04 0.66 0.00	45.72 0.04 0.00	45.70 -0.14 0.00	42.13 -0.16 0.00	40.94 0.08 0.00	47.81 -0.31 0.00	64.02 -1.12 0.00	145.26 -2.38 0.00	101.00 -2.41 0.00	50.00 -0.20 0.00	45.70 0.74 0.00	47.48 0.62 0.00	41.84 0.25 0.00	41.76 -0.10 0.00	41.23 -0.64 0.00	41.56 -1.32 0.00	42.54 -1.88 0.00	52.17 -1.31 0.00	62.32 -1.10 0.00	67.72 -0.59 0.00	59.78 -0.73 0.00	62.01 -0.24 0.00	50.69 -0.08 0.00	52.05 0.79 0.00
COLONIE_LFGE___ 323577	48.15 0.76 0.00	46.59 0.90 0.00	46.73 0.89 0.00	43.16 0.87 0.00	41.76 0.89 0.00	49.24 1.12 0.00	66.62 1.48 0.00	150.42 2.77 0.00	105.56 2.14 0.00	50.60 0.40 0.00	45.17 0.21 0.00	47.24 0.39 0.00	41.82 0.22 0.00	42.25 0.39 0.00	42.61 0.75 0.00	43.84 0.96 0.00	45.51 1.09 0.00	54.75 1.27 0.00	64.91 1.49 0.00	69.86 1.56 0.00	61.99 1.48 0.00	63.49 1.23 0.00	51.70 0.93 0.00	52.14 0.88 0.00
COOPERNY_115KV_TB1 80082	48.59 1.21 0.00	46.90 1.22 0.00	47.09 1.26 0.00	43.36 1.07 0.00	41.85 0.99 0.00	49.32 1.20 0.00	66.84 1.70 0.00	152.26 4.62 0.00	105.96 2.54 0.00	51.41 1.21 0.00	46.07 1.11 0.00	48.13 1.28 0.00	42.65 1.05 0.00	43.09 1.22 0.00	43.15 1.29 0.00	44.13 1.24 0.00	45.71 1.30 0.00	54.81 1.33 0.00	65.24 1.82 0.00	70.08 1.77 0.00	61.86 1.35 0.00	63.91 1.65 0.00	52.16 1.39 0.00	52.57 1.31 0.00
COPENHAGEN_WT_PWR 323753	48.33 0.94 0.00	46.04 0.36 0.00	45.92 0.08 0.00	42.56 0.27 0.00	41.48 0.61 0.00	49.09 0.98 0.00	67.44 2.29 0.00	153.96 6.32 0.00	167.22 4.58 -59.22	51.91 1.71 0.00	45.98 1.01 0.00	47.77 0.92 0.00	42.28 0.68 0.00	42.10 0.24 0.00	41.59 -0.27 0.00	42.64 -0.24 0.00	44.56 0.15 0.00	54.78 1.31 0.00	65.01 1.59 0.00	70.61 2.31 0.00	62.89 2.38 0.00	64.67 2.41 0.00	52.64 1.86 0.00	53.11 1.85 0.00
CORNELL_____ 23752	48.07 0.69 0.00	46.30 0.62 0.00	46.44 0.60 0.00	42.88 0.59 0.00	41.52 0.65 0.00	48.85 0.73 0.00	66.26 1.12 0.00	150.27 2.63 0.00	104.65 1.23 0.00	50.76 0.56 0.00	45.29 0.33 0.00	47.18 0.33 0.00	41.91 0.31 0.00	42.09 0.23 0.00	42.07 0.20 0.00	42.97 0.10 0.00	44.77 0.35 0.00	54.19 0.72 0.00	64.49 1.07 0.00	69.62 1.31 0.00	61.53 1.02 0.00	63.24 0.98 0.00	51.45 0.68 0.00	52.02 0.76 0.00

CORONA__69_KV_TB1 355595	49.36 1.97 0.00	47.51 1.83 0.00	47.69 1.86 0.00	43.79 1.50 0.00	42.15 1.28 0.00	49.54 1.56 0.13	67.42 2.27 -0.02	149.36 6.30 4.58	106.36 3.54 0.60	52.07 1.87 0.00	46.95 1.98 0.00	49.08 2.23 0.00	43.50 1.90 0.00	44.07 2.21 0.00	44.03 2.17 0.00	44.87 1.99 0.00	46.51 2.09 0.00	55.69 2.22 0.00	66.47 3.05 0.00	71.13 2.83 0.00	62.66 2.15 0.00	64.76 2.50 0.00	52.90 2.13 0.00	53.49 2.21 -0.03
CORTLAND__115KV_TB3 80093	47.53 0.15 0.00	45.81 0.13 0.00	45.97 0.13 0.00	42.45 0.16 0.00	41.09 0.22 0.00	48.36 0.24 0.00	65.59 0.44 0.00	148.76 1.12 0.00	103.70 0.29 0.00	50.33 0.12 0.00	45.06 0.09 0.00	46.94 0.08 0.00	41.69 0.09 0.00	41.95 0.09 0.00	41.92 0.05 0.00	42.90 0.02 0.00	44.53 0.11 0.00	53.68 0.21 0.00	63.74 0.33 0.00	68.80 0.49 0.00	60.83 0.32 0.00	62.55 0.28 0.00	50.93 0.16 0.00	51.48 0.22 0.00
COXSACKIE__GT 23611	48.95 1.57 0.00	47.31 1.63 0.00	47.51 1.67 0.00	43.86 1.57 0.00	42.89 2.03 0.00	50.99 2.88 0.00	69.46 4.31 0.00	158.18 10.54 0.00	110.75 7.33 0.00	53.10 2.90 0.00	46.73 1.76 0.00	48.63 1.78 0.00	43.13 1.53 0.00	43.23 1.37 0.00	43.45 1.58 0.00	45.08 2.19 0.00	46.46 2.04 0.00	56.13 2.65 0.00	66.75 3.32 0.00	71.64 3.34 0.00	63.47 2.96 0.00	65.03 2.77 0.00	52.89 2.12 0.00	53.21 1.95 0.00
CPV_VALLEY__CC1 323721	48.92 1.53 0.00	47.17 1.49 0.00	47.33 1.50 0.00	43.55 1.26 0.00	42.07 1.20 0.00	49.67 1.56 0.00	67.39 2.25 0.00	153.92 6.28 0.00	106.98 3.56 0.00	51.84 1.63 0.00	46.48 1.51 0.00	48.60 1.75 0.00	43.05 1.45 0.00	43.58 1.72 0.00	43.66 1.79 0.00	44.62 1.74 0.00	46.17 1.75 0.00	55.34 1.86 0.00	65.96 2.54 0.00	70.70 2.39 0.00	62.31 1.80 0.00	64.38 2.12 0.00	52.53 1.77 0.00	52.92 1.66 0.00
CPV_VALLEY__CC2 323722	48.92 1.53 0.00	47.17 1.49 0.00	47.33 1.50 0.00	43.55 1.26 0.00	42.07 1.20 0.00	49.67 1.56 0.00	67.39 2.25 0.00	153.92 6.28 0.00	106.98 3.56 0.00	51.84 1.63 0.00	46.48 1.51 0.00	48.60 1.75 0.00	43.05 1.45 0.00	43.58 1.72 0.00	43.66 1.79 0.00	44.62 1.74 0.00	46.17 1.75 0.00	55.34 1.86 0.00	65.96 2.54 0.00	70.70 2.39 0.00	62.31 1.80 0.00	64.38 2.12 0.00	52.53 1.77 0.00	52.92 1.66 0.00
CRESCENT__HYD 24018	48.15 0.76 0.00	46.59 0.90 0.00	46.73 0.89 0.00	43.16 0.87 0.00	41.76 0.89 0.00	49.24 1.12 0.00	66.62 1.48 0.00	150.42 2.77 0.00	105.56 2.14 0.00	50.60 0.40 0.00	45.17 0.21 0.00	47.24 0.39 0.00	41.82 0.22 0.00	42.25 0.39 0.00	42.61 0.75 0.00	43.84 0.96 0.00	45.51 1.09 0.00	54.75 1.27 0.00	64.91 1.49 0.00	69.86 1.56 0.00	61.99 1.48 0.00	63.49 1.23 0.00	51.70 0.93 0.00	52.14 0.88 0.00
CRICKET__VALLEY_CC1 323756	48.32 0.93 0.00	46.64 0.95 0.00	46.90 1.07 0.00	43.08 0.78 0.00	41.58 0.71 0.00	49.07 0.95 0.00	66.52 1.38 0.00	151.81 4.16 0.00	105.63 2.21 0.00	51.23 1.03 0.00	45.94 0.97 0.00	48.05 1.20 0.00	42.56 0.95 0.00	43.08 1.22 0.00	43.18 1.32 0.00	44.16 1.28 0.00	45.67 1.26 0.00	54.66 1.18 0.00	65.07 1.65 0.00	69.78 1.47 0.00	61.54 1.03 0.00	63.54 1.28 0.00	51.90 1.13 0.00	52.25 0.99 0.00
CRICKET__VALLEY_CC2 323757	48.32 0.93 0.00	46.64 0.95 0.00	46.90 1.07 0.00	43.08 0.78 0.00	41.58 0.71 0.00	49.07 0.95 0.00	66.52 1.38 0.00	151.81 4.16 0.00	105.63 2.21 0.00	51.23 1.03 0.00	45.94 0.97 0.00	48.05 1.20 0.00	42.56 0.95 0.00	43.08 1.22 0.00	43.18 1.32 0.00	44.16 1.28 0.00	45.67 1.26 0.00	54.66 1.18 0.00	65.07 1.65 0.00	69.78 1.47 0.00	61.54 1.03 0.00	63.54 1.28 0.00	51.90 1.13 0.00	52.25 0.99 0.00
CRICKET__VALLEY_CC3 323758	48.32 0.93 0.00	46.64 0.95 0.00	46.90 1.07 0.00	43.08 0.78 0.00	41.58 0.71 0.00	49.07 0.95 0.00	66.52 1.38 0.00	151.81 4.16 0.00	105.63 2.21 0.00	51.23 1.03 0.00	45.94 0.97 0.00	48.05 1.20 0.00	42.56 0.95 0.00	43.08 1.22 0.00	43.18 1.32 0.00	44.16 1.28 0.00	45.67 1.26 0.00	54.66 1.18 0.00	65.07 1.65 0.00	69.78 1.47 0.00	61.54 1.03 0.00	63.54 1.28 0.00	51.90 1.13 0.00	52.25 0.99 0.00
CRUCIBLE_METL_DRP 24180	46.83 -0.56 0.00	45.10 -0.58 0.00	45.25 -0.59 0.00	41.80 -0.49 0.00	40.42 -0.45 0.00	47.56 -0.56 0.00	64.49 -0.65 0.00	146.04 -1.61 0.00	102.02 -1.39 0.00	49.57 -0.63 0.00	44.40 -0.57 0.00	46.27 -0.58 0.00	41.14 -0.46 0.00	41.37 -0.49 0.00	41.38 -0.49 0.00	42.35 -0.54 0.00	43.89 -0.53 0.00	52.90 -0.57 0.00	62.76 -0.67 0.00	67.63 -0.67 0.00	59.87 -0.64 0.00	61.52 -0.74 0.00	50.12 -0.65 0.00	50.62 -0.64 0.00
DAHOWA__HYDRO 323763	48.82 1.44 0.00	47.21 1.53 0.00	47.31 1.48 0.00	43.74 1.45 0.00	42.39 1.52 0.00	50.06 1.94 0.00	67.90 2.76 0.00	153.23 5.59 0.00	107.30 3.89 0.00	51.52 1.32 0.00	45.97 1.01 0.00	48.06 1.20 0.00	42.60 1.00 0.00	42.79 0.93 0.00	43.18 1.31 0.00	44.44 1.55 0.00	46.24 1.82 0.00	55.79 2.31 0.00	66.14 2.72 0.00	71.25 2.94 0.00	63.12 2.61 0.00	64.53 2.27 0.00	52.47 1.69 0.00	52.90 1.64 0.00
DANC__LFGE 323619	47.57 0.18 0.00	45.48 -0.20 0.00	45.47 -0.37 0.00	42.08 -0.21 0.00	40.89 0.02 0.00	48.29 0.17 0.00	65.97 0.83 0.00	150.26 2.61 -39.75	145.08 1.91 0.00	50.81 0.61 0.00	45.21 0.25 0.00	47.03 0.17 0.00	41.67 0.07 0.00	41.64 -0.22 0.00	41.31 -0.55 0.00	42.31 -0.58 0.00	44.06 -0.36 0.00	53.79 0.32 0.00	63.83 0.40 0.00	69.12 0.82 0.00	61.47 0.96 0.00	63.21 0.95 0.00	51.48 0.70 0.00	51.95 0.69 0.00
DANSKAMMER__1 23586	49.34 1.96 0.00	47.59 1.91 0.00	47.77 1.93 0.00	43.93 1.64 0.00	42.43 1.56 0.00	50.11 2.00 0.00	68.04 2.90 0.00	155.34 7.70 0.00	108.02 4.61 0.00	52.31 2.11 0.00	46.87 1.90 0.00	49.00 2.15 0.00	43.44 1.84 0.00	43.95 2.08 0.00	44.05 2.18 0.00	45.06 2.18 0.00	46.63 2.21 0.00	55.92 2.44 0.00	66.61 3.19 0.00	71.43 3.12 0.00	62.98 2.47 0.00	65.02 2.76 0.00	53.04 2.27 0.00	53.39 2.13 0.00
DANSKAMMER__2 23589	49.34 1.96 0.00	47.59 1.91 0.00	47.77 1.93 0.00	43.93 1.64 0.00	42.43 1.56 0.00	50.11 2.00 0.00	68.04 2.90 0.00	155.34 7.70 0.00	108.02 4.61 0.00	52.31 2.11 0.00	46.87 1.90 0.00	49.00 2.15 0.00	43.44 1.84 0.00	43.95 2.08 0.00	44.05 2.18 0.00	45.06 2.18 0.00	46.63 2.21 0.00	55.92 2.44 0.00	66.61 3.19 0.00	71.43 3.12 0.00	62.98 2.47 0.00	65.02 2.76 0.00	53.04 2.27 0.00	53.39 2.13 0.00
DANSKAMMER__3 23590	49.34 1.96 0.00	47.59 1.91 0.00	47.77 1.93 0.00	43.93 1.64 0.00	42.43 1.56 0.00	50.11 2.00 0.00	68.04 2.90 0.00	155.34 7.70 0.00	108.02 4.61 0.00	52.31 2.11 0.00	46.87 1.90 0.00	49.00 2.15 0.00	43.44 1.84 0.00	43.95 2.08 0.00	44.05 2.18 0.00	45.06 2.18 0.00	46.63 2.21 0.00	55.92 2.44 0.00	66.61 3.19 0.00	71.43 3.12 0.00	62.98 2.47 0.00	65.02 2.76 0.00	53.04 2.27 0.00	53.39 2.13 0.00

DANSKAMMER___4 23591	49.34 1.96 0.00	47.59 1.91 0.00	47.77 1.93 0.00	43.93 1.64 0.00	42.43 1.56 0.00	50.11 2.00 0.00	68.04 2.90 0.00	155.34 7.70 0.00	108.02 4.61 0.00	52.31 2.11 0.00	46.87 1.90 0.00	49.00 2.15 0.00	43.44 1.84 0.00	43.95 2.08 0.00	44.05 2.18 0.00	45.06 2.18 0.00	46.63 2.21 0.00	55.92 2.44 0.00	66.61 3.19 0.00	71.43 3.12 0.00	62.98 2.47 0.00	65.02 2.76 0.00	53.04 2.27 0.00	53.39 2.13 0.00
DANSKAMMER___DIESEL 23592	49.34 1.96 0.00	47.59 1.91 0.00	47.78 1.94 0.00	43.93 1.64 0.00	42.43 1.56 0.00	50.11 2.00 0.00	68.04 2.90 0.00	155.35 7.71 0.00	108.02 4.61 0.00	52.31 2.11 0.00	46.87 1.90 0.00	49.00 2.15 0.00	43.44 1.84 0.00	43.95 2.08 0.00	44.05 2.18 0.00	45.07 2.18 0.00	46.66 2.24 0.00	55.92 2.45 0.00	66.61 3.19 0.00	71.43 3.13 0.00	62.98 2.47 0.00	65.03 2.77 0.00	53.05 2.28 0.00	53.39 2.13 0.00
DARBY___SOLAR 323810	48.67 1.28 0.00	47.07 1.39 0.00	47.18 1.35 0.00	43.61 1.32 0.00	42.24 1.37 0.00	49.85 1.74 0.00	67.62 2.48 0.00	152.60 4.96 0.00	106.87 3.45 0.00	51.32 1.12 0.00	45.81 0.84 0.00	47.86 1.00 0.00	42.42 0.82 0.00	42.64 0.78 0.00	43.04 1.17 0.00	44.26 1.38 0.00	46.04 1.62 0.00	55.52 2.04 0.00	65.84 2.41 0.00	70.90 2.59 0.00	62.83 2.32 0.00	64.27 2.01 0.00	52.29 1.52 0.00	52.73 1.47 0.00
DASHVILLE___HYD 23610	48.86 1.47 0.00	47.15 1.47 0.00	47.35 1.51 0.00	43.55 1.26 0.00	42.04 1.18 0.00	49.63 1.52 0.00	67.34 2.20 0.00	153.71 6.07 0.00	107.01 3.60 0.00	51.80 1.60 0.00	46.34 1.38 0.00	48.43 1.58 0.00	42.95 1.35 0.00	43.43 1.57 0.00	43.54 1.67 0.00	44.61 1.72 0.00	46.17 1.75 0.00	55.28 1.81 0.00	65.84 2.41 0.00	70.60 2.29 0.00	62.30 1.78 0.00	64.35 2.09 0.00	52.52 1.75 0.00	52.87 1.61 0.00
DELAWARE___LFGE 323621	48.30 0.92 0.00	46.68 0.99 0.00	46.89 1.06 0.00	43.22 0.93 0.00	41.69 0.83 0.00	49.03 0.92 0.00	66.54 1.39 0.00	151.17 3.53 0.00	105.44 2.02 0.00	51.16 0.95 0.00	45.88 0.91 0.00	47.85 0.99 0.00	42.44 0.84 0.00	42.79 0.93 0.00	42.73 0.86 0.00	43.74 0.86 0.00	45.32 0.91 0.00	54.38 0.91 0.00	64.64 1.22 0.00	69.60 1.29 0.00	61.58 1.07 0.00	63.52 1.25 0.00	51.81 1.04 0.00	52.28 1.02 0.00
DERFIELD_115KV_TB7 355931	47.40 0.01 0.00	45.73 0.05 0.00	45.90 0.07 0.00	42.37 0.08 0.00	40.94 0.07 0.00	48.17 0.05 0.00	65.26 0.12 0.00	147.94 0.30 0.00	103.52 0.10 0.00	50.17 -0.04 0.00	44.93 -0.04 0.00	46.81 -0.05 0.00	41.56 -0.04 0.00	41.85 -0.01 0.00	41.91 0.04 0.00	42.95 0.07 0.00	44.51 0.10 0.00	53.55 0.07 0.00	63.54 0.12 0.00	68.40 0.09 0.00	60.59 0.08 0.00	62.33 0.07 0.00	50.82 0.05 0.00	51.31 0.05 0.00
DOGLEVILLE___HYD 23807	49.43 2.05 0.00	47.82 2.14 0.00	48.01 2.17 0.00	44.33 2.04 0.00	42.95 2.08 0.00	50.45 2.34 0.00	68.73 3.59 0.00	155.85 8.20 0.00	108.26 4.85 0.00	51.86 1.66 0.00	46.19 1.22 0.00	47.88 1.03 0.00	41.95 0.35 0.00	42.24 0.37 0.00	42.35 0.48 0.00	44.10 1.21 0.00	45.97 1.56 0.00	55.65 2.17 0.00	66.72 3.30 0.00	71.92 3.61 0.00	63.73 3.22 0.00	65.55 3.29 0.00	53.26 2.49 0.00	53.58 2.32 0.00
DUNKIRK___115KV_TB_200 55889	47.04 -0.35 0.00	44.72 -0.96 0.00	44.70 -1.14 0.00	41.23 -1.07 0.00	40.06 -0.80 0.00	46.79 -1.32 0.00	62.48 -2.66 0.00	141.40 -6.24 0.00	98.40 -5.02 0.00	48.69 -1.52 0.00	44.55 -0.42 0.00	46.23 -0.63 0.00	40.88 -0.72 0.00	40.73 -1.13 0.00	40.17 -1.70 0.00	40.65 -2.23 0.00	41.74 -2.67 0.00	50.98 -2.49 0.00	60.85 -2.58 0.00	66.25 -2.05 0.00	58.45 -2.06 0.00	60.61 -1.65 0.00	49.48 -1.29 0.00	50.98 -0.28 0.00
DUNKIRK___1 23563	47.04 -0.35 0.00	44.72 -0.96 0.00	44.70 -1.14 0.00	41.23 -1.07 0.00	40.06 -0.80 0.00	46.79 -1.32 0.00	62.48 -2.66 0.00	141.40 -6.24 0.00	98.40 -5.02 0.00	48.69 -1.52 0.00	44.55 -0.42 0.00	46.23 -0.63 0.00	40.88 -0.72 0.00	40.73 -1.13 0.00	40.17 -1.70 0.00	40.65 -2.23 0.00	41.74 -2.67 0.00	50.98 -2.49 0.00	60.85 -2.58 0.00	66.25 -2.05 0.00	58.45 -2.06 0.00	60.61 -1.65 0.00	49.48 -1.29 0.00	50.98 -0.28 0.00
DUNKIRK___2 23564	47.04 -0.35 0.00	44.72 -0.96 0.00	44.70 -1.14 0.00	41.23 -1.07 0.00	40.06 -0.80 0.00	46.79 -1.32 0.00	62.48 -2.66 0.00	141.40 -6.24 0.00	98.40 -5.02 0.00	48.69 -1.52 0.00	44.55 -0.42 0.00	46.23 -0.63 0.00	40.88 -0.72 0.00	40.73 -1.13 0.00	40.17 -1.70 0.00	40.65 -2.23 0.00	41.74 -2.67 0.00	50.98 -2.49 0.00	60.85 -2.58 0.00	66.25 -2.05 0.00	58.45 -2.06 0.00	60.61 -1.65 0.00	49.48 -1.29 0.00	50.98 -0.28 0.00
DUNKIRK___3 23565	46.86 -0.53 0.00	44.57 -1.11 0.00	44.59 -1.25 0.00	41.11 -1.18 0.00	39.94 -0.92 0.00	46.66 -1.46 0.00	62.14 -3.00 0.00	140.54 -7.10 0.00	97.80 -5.62 0.00	48.44 -1.76 0.00	44.35 -0.62 0.00	46.12 -0.73 0.00	40.85 -0.75 0.00	40.74 -1.12 0.00	40.24 -1.63 0.00	40.72 -2.16 0.00	41.77 -2.65 0.00	50.88 -2.60 0.00	60.71 -2.71 0.00	65.99 -2.31 0.00	58.28 -2.24 0.00	60.38 -1.88 0.00	49.30 -1.46 0.00	50.79 -0.47 0.00
DUNKIRK___4 23566	46.86 -0.53 0.00	44.57 -1.11 0.00	44.59 -1.25 0.00	41.11 -1.18 0.00	39.94 -0.92 0.00	46.66 -1.46 0.00	62.14 -3.00 0.00	140.54 -7.10 0.00	97.80 -5.62 0.00	48.44 -1.76 0.00	44.35 -0.62 0.00	46.12 -0.73 0.00	40.85 -0.75 0.00	40.74 -1.12 0.00	40.24 -1.63 0.00	40.72 -2.16 0.00	41.77 -2.65 0.00	50.88 -2.60 0.00	60.71 -2.71 0.00	65.99 -2.31 0.00	58.28 -2.24 0.00	60.38 -1.88 0.00	49.30 -1.46 0.00	50.79 -0.47 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	49.25 1.87 0.00	47.46 1.78 0.00	47.61 1.77 0.00	43.79 1.49 0.00	42.29 1.42 0.00	49.99 1.88 0.00	67.84 2.69 0.00	155.12 7.47 0.00	107.77 4.35 0.00	52.33 2.13 0.00	46.99 2.02 0.00	49.16 2.31 0.00	43.55 1.95 0.00	44.09 2.23 0.00	44.15 2.29 0.00	45.11 2.23 0.00	46.64 2.23 0.00	55.80 2.33 0.00	66.52 3.10 0.00	71.27 2.96 0.00	62.78 2.27 0.00	64.86 2.60 0.00	52.95 2.18 0.00	53.30 2.04 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	49.18 1.79 0.00	47.41 1.74 0.00	47.59 1.76 0.00	43.76 1.47 0.00	42.28 1.41 0.00	49.93 1.81 0.00	67.78 2.64 0.00	154.82 7.18 0.00	107.60 4.19 0.00	52.10 1.89 0.00	46.66 1.70 0.00	48.79 1.93 0.00	43.24 1.64 0.00	43.77 1.91 0.00	43.86 1.99 0.00	44.85 1.97 0.00	46.43 2.01 0.00	55.66 2.19 0.00	66.35 2.93 0.00	71.15 2.84 0.00	62.69 2.18 0.00	64.80 2.53 0.00	52.87 2.09 0.00	53.22 1.96 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	49.49 2.10 0.00	47.70 2.02 0.00	47.84 2.00 0.00	44.01 1.72 0.00	42.52 1.65 0.00	50.11 1.99 0.00	68.02 2.87 0.00	155.54 7.90 0.00	108.09 4.67 0.00	52.55 2.34 0.00	47.15 2.18 0.00	49.37 2.52 0.00	43.76 2.16 0.00	44.31 2.45 0.00	44.35 2.48 0.00	45.30 2.42 0.00	46.81 2.39 0.00	55.94 2.47 0.00	66.70 3.28 0.00	71.49 3.18 0.00	62.94 2.43 0.00	65.12 2.86 0.00	53.19 2.42 0.00	53.43 2.17 0.00

E179THST_13_KV_LOAD 356214	49.68 2.30 0.00	47.87 2.19 0.00	48.01 2.17 0.00	44.16 1.87 0.00	42.66 1.79 0.00	50.27 2.16 0.00	68.27 3.13 0.00	156.17 8.53 0.00	108.54 5.12 0.00	52.76 2.56 0.00	47.34 2.38 0.00	49.60 2.74 0.00	43.95 2.35 0.00	44.50 2.64 0.00	44.54 2.67 0.00	45.49 2.61 0.00	47.00 2.59 0.00	56.19 2.71 0.00	67.01 3.59 0.00	71.82 3.51 0.00	63.21 2.70 0.00	65.40 3.14 0.00	53.40 2.63 0.00	53.64 2.38 0.00
EAST HAMPTON___GT 23717	47.93 0.54 0.00	46.15 0.47 0.00	46.72 0.88 0.00	43.47 1.18 0.00	39.47 1.11 2.50	12.84 1.55 36.82	54.11 2.93 13.96	87.57 8.77 68.83	38.43 5.62 70.61	41.19 2.96 11.97	47.84 2.88 0.00	41.09 2.41 8.18	17.23 2.07 26.45	-1.53 2.31 45.70	23.78 1.96 20.04	17.91 1.77 26.74	43.26 2.20 3.35	40.93 2.09 14.64	32.45 3.18 34.16	29.21 1.89 40.99	37.98 1.19 23.71	38.57 1.97 25.66	33.01 1.09 18.85	44.19 0.87 7.94
EAST RIVER___6 23660	49.55 2.17 0.00	47.74 2.06 0.00	47.85 2.02 0.00	44.01 1.72 0.00	42.52 1.65 0.00	50.20 2.08 0.00	68.04 2.90 0.00	155.74 8.10 0.00	108.23 4.81 0.00	52.73 2.53 0.00	47.37 2.41 0.00	49.62 2.77 0.00	43.97 2.36 0.00	44.52 2.66 0.00	44.59 2.72 0.00	45.53 2.65 0.00	47.06 2.64 0.00	56.26 2.78 0.00	66.99 3.56 0.00	71.71 3.40 0.00	63.15 2.64 0.00	65.20 2.94 0.00	53.24 2.47 0.00	53.49 2.23 0.00
EAST RIVER___7 23524	49.55 2.17 0.00	47.74 2.06 0.00	47.85 2.02 0.00	44.01 1.72 0.00	42.52 1.65 0.00	50.20 2.08 0.00	68.04 2.90 0.00	155.74 8.10 0.00	108.23 4.81 0.00	52.73 2.53 0.00	47.37 2.41 0.00	49.62 2.77 0.00	43.97 2.36 0.00	44.52 2.66 0.00	44.59 2.72 0.00	45.53 2.65 0.00	47.06 2.64 0.00	56.26 2.78 0.00	66.99 3.56 0.00	71.71 3.40 0.00	63.15 2.64 0.00	65.20 2.94 0.00	53.24 2.47 0.00	53.49 2.23 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	49.22 1.83 0.00	47.42 1.74 0.00	47.58 1.74 0.00	43.76 1.47 0.00	42.27 1.40 0.00	49.92 1.80 0.00	67.76 2.62 0.00	154.91 7.26 0.00	107.64 4.22 0.00	52.25 2.05 0.00	46.90 1.93 0.00	49.06 2.21 0.00	43.46 1.86 0.00	44.01 2.15 0.00	44.07 2.20 0.00	45.03 2.14 0.00	46.57 2.16 0.00	55.73 2.25 0.00	66.43 3.01 0.00	71.18 2.87 0.00	62.69 2.17 0.00	64.76 2.50 0.00	52.88 2.10 0.00	53.20 1.94 0.00
EAST_HAMPTON___DIESEL 23722	47.86 0.47 0.00	46.09 0.41 0.00	46.68 0.84 0.00	43.46 1.17 0.00	39.47 1.10 2.50	12.84 1.55 36.82	54.12 2.95 13.96	87.62 8.82 68.84	38.48 5.67 70.61	41.20 2.97 11.97	47.85 2.88 0.00	41.09 2.42 8.18	17.24 2.08 26.45	-1.53 2.31 45.70	23.76 1.94 20.04	17.89 1.75 26.74	43.24 2.18 3.35	40.91 2.07 14.64	32.43 3.17 34.16	29.12 1.80 40.99	37.88 1.09 23.71	38.50 1.90 25.66	32.94 1.02 18.85	44.12 0.80 7.94
EAST_POINT___SOLAR 323840	48.93 1.54 0.00	47.07 1.39 0.00	47.19 1.36 0.00	43.55 1.26 0.00	42.08 1.22 0.00	49.71 1.60 0.00	67.68 2.54 0.00	154.05 6.41 0.00	107.45 4.04 0.00	51.98 1.78 0.00	46.13 1.16 0.00	47.65 0.80 0.00	42.42 0.82 0.00	42.10 0.24 0.00	42.02 0.15 0.00	43.61 0.73 0.00	45.37 0.96 0.00	55.22 1.74 0.00	65.90 2.48 0.00	71.04 2.73 0.00	62.84 2.33 0.00	64.82 2.56 0.00	52.72 1.95 0.00	53.11 1.85 0.00
EAST_PULASKI___ESR 323781	46.83 -0.56 0.00	44.95 -0.73 0.00	45.03 -0.81 0.00	41.63 -0.66 0.00	40.33 -0.54 0.00	47.52 -0.59 0.00	64.58 -0.56 0.00	146.71 -0.94 0.00	123.46 -0.64 -20.68	49.76 -0.44 0.00	44.48 -0.48 0.00	46.30 -0.55 0.00	41.11 -0.49 0.00	41.21 -0.65 0.00	41.06 -0.80 0.00	42.00 -0.88 0.00	43.60 -0.81 0.00	52.88 -0.59 0.00	62.74 -0.68 0.00	67.74 -0.57 0.00	60.12 -0.39 0.00	61.82 -0.44 0.00	50.35 -0.42 0.00	50.81 -0.45 0.00
EAST_RIVER___1 323558	49.53 2.15 0.00	47.72 2.04 0.00	47.85 2.01 0.00	44.00 1.71 0.00	42.51 1.65 0.00	50.18 2.07 0.00	68.08 2.94 0.00	155.77 8.13 0.00	108.20 4.79 0.00	52.65 2.45 0.00	47.29 2.32 0.00	49.51 2.66 0.00	43.86 2.25 0.00	44.42 2.56 0.00	44.46 2.60 0.00	45.41 2.53 0.00	46.93 2.51 0.00	56.11 2.64 0.00	66.87 3.45 0.00	71.61 3.30 0.00	63.04 2.53 0.00	65.13 2.87 0.00	53.17 2.40 0.00	53.47 2.21 0.00
EAST_RIVER___2 323559	49.55 2.17 0.00	47.74 2.06 0.00	47.85 2.02 0.00	44.01 1.72 0.00	42.52 1.65 0.00	50.20 2.08 0.00	68.04 2.90 0.00	155.74 8.10 0.00	108.23 4.81 0.00	52.73 2.53 0.00	47.37 2.41 0.00	49.62 2.77 0.00	43.97 2.36 0.00	44.52 2.66 0.00	44.59 2.72 0.00	45.53 2.65 0.00	47.06 2.64 0.00	56.26 2.78 0.00	66.99 3.56 0.00	71.71 3.40 0.00	63.15 2.64 0.00	65.20 2.94 0.00	53.24 2.47 0.00	53.49 2.23 0.00
EAST___DELAWARE_HYD 23607	48.48 1.09 0.00	46.75 1.07 0.00	46.96 1.13 0.00	43.19 0.90 0.00	41.69 0.82 0.00	49.22 1.11 0.00	67.10 1.96 0.00	153.23 5.59 0.00	106.49 3.07 0.00	51.28 1.08 0.00	45.81 0.84 0.00	47.94 1.08 0.00	42.32 0.71 0.00	41.83 -0.03 0.00	42.02 0.16 0.00	43.36 0.48 0.00	44.65 0.23 0.00	53.52 0.05 0.00	63.81 0.39 0.00	68.48 0.17 0.00	60.56 0.05 0.00	63.99 1.73 0.00	52.20 1.43 0.00	52.52 1.27 0.00
EIGHT_POINT___WT_PWR 323820	45.83 -1.56 0.00	44.40 -1.28 0.00	44.76 -1.07 0.00	41.29 -1.00 0.00	39.85 -1.01 0.00	46.83 -1.29 0.00	62.65 -2.49 0.00	141.96 -5.68 0.00	98.70 -4.72 0.00	48.53 -1.67 0.00	43.82 -1.15 0.00	45.76 -1.10 0.00	40.35 -1.25 0.00	39.93 -2.00 -0.07	40.62 -1.73 -0.48	40.81 -2.12 -0.05	42.36 -2.06 0.00	51.91 -1.56 0.00	62.00 -1.42 0.00	67.47 -0.83 0.00	59.59 -0.92 0.00	61.66 -0.60 0.00	50.28 -0.49 0.00	51.56 0.30 0.00
ELBRIDGE_115KV_TB2 80188	46.61 -0.78 0.00	44.89 -0.79 0.00	45.03 -0.81 0.00	41.62 -0.66 0.00	40.19 -0.67 0.00	47.32 -0.79 0.00	64.13 -1.01 0.00	145.09 -2.55 0.00	101.33 -2.08 0.00	49.30 -0.91 0.00	44.16 -0.81 0.00	46.01 -0.85 0.00	40.92 -0.68 0.00	41.12 -0.74 0.00	41.12 -0.75 0.00	42.06 -0.83 0.00	43.62 -0.80 0.00	52.59 -0.88 0.00	62.42 -1.01 0.00	67.29 -1.02 0.00	59.56 -0.96 0.00	61.20 -1.06 0.00	49.86 -0.91 0.00	50.39 -0.87 0.00
ELEC_TRO_TEK 24086	49.07 1.68 0.00	47.25 1.57 0.00	47.44 1.60 0.00	43.54 1.25 0.00	41.54 1.08 0.40	43.51 1.34 5.95	67.02 2.04 0.16	138.64 5.80 14.80	92.62 3.18 13.98	49.93 1.64 1.91	46.76 1.79 0.00	48.87 2.01 0.00	43.32 1.71 0.00	43.89 2.02 0.00	43.73 1.98 0.11	40.41 1.79 4.26	45.74 1.85 0.53	53.05 1.91 2.33	60.63 2.65 5.44	64.21 2.43 6.53	58.51 1.78 3.78	60.30 2.13 4.09	49.60 1.84 3.00	52.60 1.90 0.56
ELLENBURG_WT_PWR 323604	48.36 0.98 0.00	46.59 0.90 0.00	46.71 0.87 0.00	43.08 0.79 0.00	41.73 0.86 0.00	49.22 1.11 0.00	66.35 1.21 0.00	150.34 2.70 0.00	106.08 2.66 0.00	51.51 1.31 0.00	46.06 1.09 0.00	47.78 0.92 0.00	42.45 0.85 0.00	42.52 0.66 0.00	42.42 0.55 0.00	43.57 0.69 0.00	45.01 0.59 0.00	54.41 0.94 0.00	64.47 1.05 0.00	69.39 1.08 0.00	61.50 0.99 0.00	63.18 0.92 0.00	51.58 0.81 0.00	52.19 0.93 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	46.51 -0.88 0.00	44.16 -1.52 0.00	44.24 -1.59 0.00	40.74 -1.55 0.00	39.51 -1.36 0.00	46.23 -1.89 0.00	61.04 -4.10 0.00	137.88 -9.77 0.00	96.25 -7.17 0.00	47.94 -2.26 0.00	44.00 -0.96 0.00	45.95 -0.91 0.00	40.86 -0.74 0.00	40.68 -1.18 0.00	40.24 -1.63 0.00	40.73 -2.15 0.00	41.65 -2.77 0.00	50.52 -2.95 0.00	60.21 -3.21 0.00	65.28 -3.02 0.00	57.81 -2.70 0.00	59.85 -2.41 0.00	48.94 -1.83 0.00	50.43 -0.83 0.00
EMPIRE_CC_1 323656	47.44 0.05 0.00	45.83 0.15 0.00	45.99 0.15 0.00	42.49 0.19 0.00	41.12 0.25 0.00	48.57 0.45 0.00	65.57 0.42 0.00	147.54 -0.10 0.00	103.60 0.18 0.00	49.68 -0.52 0.00	44.32 -0.64 0.00	46.39 -0.47 0.00	41.07 -0.53 0.00	41.58 -0.28 0.00	41.94 0.08 0.00	43.13 0.25 0.00	44.74 0.33 0.00	53.68 0.21 0.00	63.65 0.22 0.00	68.48 0.17 0.00	60.76 0.25 0.00	62.29 0.04 0.00	50.78 0.01 0.00	51.25 -0.01 0.00
EMPIRE_CC_2 323658	47.44 0.05 0.00	45.83 0.15 0.00	45.99 0.15 0.00	42.49 0.19 0.00	41.12 0.25 0.00	48.57 0.45 0.00	65.57 0.42 0.00	147.54 -0.10 0.00	103.60 0.18 0.00	49.68 -0.52 0.00	44.32 -0.64 0.00	46.39 -0.47 0.00	41.07 -0.53 0.00	41.58 -0.28 0.00	41.94 0.08 0.00	43.13 0.25 0.00	44.74 0.33 0.00	53.68 0.21 0.00	63.65 0.22 0.00	68.48 0.17 0.00	60.76 0.25 0.00	62.29 0.04 0.00	50.78 0.01 0.00	51.25 -0.01 0.00
ENORWICH_115KV_TB1 80156	49.73 2.34 0.00	47.78 2.10 0.00	47.91 2.07 0.00	44.19 1.90 0.00	43.02 2.15 0.00	50.69 2.58 0.00	69.33 4.19 0.00	158.00 10.36 0.00	109.58 6.17 0.00	52.65 2.45 0.00	46.90 1.94 0.00	48.64 1.79 0.00	43.17 1.57 0.00	43.38 1.52 0.00	42.92 1.05 0.00	44.10 1.22 0.00	46.43 2.01 0.00	56.02 2.54 0.00	66.94 3.52 0.00	72.51 4.21 0.00	64.18 3.67 0.00	65.76 3.50 0.00	53.37 2.60 0.00	53.85 2.60 0.00
ERIE_ST__34_KV_TB1-2 80199	46.71 -0.68 0.00	44.41 -1.27 0.00	44.46 -1.37 0.00	40.96 -1.33 0.00	39.75 -1.12 0.00	46.51 -1.61 0.00	61.64 -3.50 0.00	139.29 -8.35 0.00	97.12 -6.30 0.00	48.34 -1.86 0.00	44.35 -0.62 0.00	46.29 -0.57 0.00	41.10 -0.50 0.00	41.02 -0.84 0.00	40.69 -1.17 0.00	41.16 -1.72 0.00	42.12 -2.30 0.00	51.09 -2.38 0.00	60.95 -2.47 0.00	66.00 -2.31 0.00	58.38 -2.13 0.00	60.42 -1.84 0.00	49.36 -1.41 0.00	50.79 -0.47 0.00
ERIE_WT_PWR 323693	46.70 -0.69 0.00	44.38 -1.30 0.00	44.45 -1.39 0.00	40.93 -1.36 0.00	39.67 -1.20 0.00	46.43 -1.68 0.00	61.46 -3.68 0.00	138.78 -8.87 0.00	96.79 -6.63 0.00	48.18 -2.02 0.00	44.16 -0.80 0.00	46.10 -0.76 0.00	40.97 -0.63 0.00	40.65 -1.04 0.17	39.27 -1.44 1.15	39.58 -1.90 1.40	40.65 -2.45 1.31	48.37 -2.66 2.45	58.10 -2.84 2.48	64.69 -2.60 1.02	57.36 -2.36 0.79	58.91 -2.00 1.35	46.13 -1.52 3.11	48.54 -0.52 2.21
ESPRGFLD_115KV_TB1 80157	48.28 0.89 0.00	46.48 0.80 0.00	46.62 0.78 0.00	43.01 0.72 0.00	41.53 0.66 0.00	48.93 0.81 0.00	66.51 1.37 0.00	151.46 3.82 0.00	105.87 2.46 0.00	51.47 1.26 0.00	46.17 1.21 0.00	48.01 1.16 0.00	42.72 1.12 0.00	42.91 1.05 0.00	42.51 0.65 0.00	43.53 0.65 0.00	45.03 0.62 0.00	54.26 0.79 0.00	64.52 1.10 0.00	69.61 1.31 0.00	61.57 1.05 0.00	63.64 1.38 0.00	51.83 1.06 0.00	52.33 1.07 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	47.93 0.54 0.00	46.16 0.49 0.00	46.30 0.46 0.00	42.76 0.46 0.00	41.39 0.52 0.00	48.71 0.59 0.00	66.06 0.91 0.00	149.77 2.13 0.00	104.34 0.93 0.00	50.61 0.41 0.00	45.19 0.22 0.00	47.05 0.19 0.00	41.80 0.20 0.00	41.99 0.13 0.00	41.97 0.10 0.00	42.89 0.01 0.00	44.66 0.24 0.00	54.00 0.53 0.00	64.26 0.84 0.00	69.36 1.05 0.00	61.33 0.82 0.00	63.03 0.77 0.00	51.29 0.52 0.00	51.86 0.60 0.00
ETNA____115KV_TB2 80207	47.93 0.54 0.00	46.16 0.49 0.00	46.30 0.46 0.00	42.76 0.46 0.00	41.39 0.52 0.00	48.71 0.59 0.00	66.06 0.91 0.00	149.77 2.13 0.00	104.34 0.93 0.00	50.61 0.41 0.00	45.19 0.22 0.00	47.05 0.19 0.00	41.80 0.20 0.00	41.99 0.13 0.00	41.97 0.10 0.00	42.89 0.01 0.00	44.66 0.24 0.00	54.00 0.53 0.00	64.26 0.84 0.00	69.36 1.05 0.00	61.33 0.82 0.00	63.03 0.77 0.00	51.29 0.52 0.00	51.86 0.60 0.00
EUCLID__115KV_TB2 356179	46.38 -1.01 0.00	44.64 -1.04 0.00	44.79 -1.05 0.00	41.37 -0.92 0.00	40.00 -0.87 0.00	47.04 -1.08 0.00	63.70 -1.44 0.00	144.33 -3.31 0.00	100.93 -2.49 0.00	49.08 -1.12 0.00	44.01 -0.96 0.00	45.85 -1.00 0.00	40.76 -0.84 0.00	41.03 -0.83 0.00	41.01 -0.86 0.00	41.95 -0.93 0.00	43.44 -0.97 0.00	52.35 -1.13 0.00	62.10 -1.32 0.00	66.91 -1.40 0.00	59.25 -1.26 0.00	60.88 -1.38 0.00	49.62 -1.15 0.00	50.13 -1.13 0.00
E_CANADA_CAP_HY 24051	48.10 0.71 0.00	46.25 0.57 0.00	46.37 0.53 0.00	42.80 0.51 0.00	41.33 0.46 0.00	48.79 0.68 0.00	66.26 1.12 0.00	150.75 3.10 0.00	105.51 2.09 0.00	51.20 1.00 0.00	45.81 0.85 0.00	47.55 0.69 0.00	42.32 0.72 0.00	42.37 0.51 0.00	42.03 0.17 0.00	43.19 0.31 0.00	44.69 0.28 0.00	54.03 0.56 0.00	64.28 0.86 0.00	69.31 1.00 0.00	61.35 0.84 0.00	63.49 1.22 0.00	51.69 0.92 0.00	52.16 0.90 0.00
E_CANADA_MHWK_HY 24050	49.43 2.05 0.00	47.82 2.14 0.00	48.01 2.17 0.00	44.33 2.04 0.00	42.95 2.08 0.00	50.45 2.34 0.00	68.73 3.59 0.00	155.84 8.20 0.00	108.26 4.84 0.00	51.86 1.66 0.00	46.19 1.22 0.00	47.89 1.03 0.00	41.95 0.35 0.00	42.24 0.37 0.00	42.35 0.48 0.00	44.10 1.21 0.00	45.97 1.56 0.00	55.65 2.18 0.00	66.72 3.29 0.00	71.92 3.62 0.00	63.73 3.22 0.00	65.55 3.29 0.00	53.26 2.49 0.00	53.58 2.32 0.00
E_FISHKILL__LBMP 23776	48.78 1.40 0.00	47.07 1.39 0.00	47.27 1.43 0.00	43.46 1.17 0.00	41.97 1.10 0.00	49.53 1.42 0.00	67.16 2.02 0.00	153.29 5.65 0.00	106.67 3.25 0.00	51.73 1.53 0.00	46.39 1.42 0.00	48.52 1.66 0.00	42.98 1.37 0.00	43.51 1.65 0.00	43.60 1.73 0.00	44.58 1.70 0.00	46.11 1.70 0.00	55.19 1.71 0.00	65.72 2.30 0.00	70.46 2.15 0.00	62.13 1.62 0.00	64.17 1.91 0.00	52.41 1.64 0.00	52.76 1.51 0.00
FALCON__SEABRD_CC1 323796	48.67 1.29 0.00	47.03 1.35 0.00	47.18 1.34 0.00	43.59 1.30 0.00	42.30 1.43 0.00	49.92 1.81 0.00	66.85 1.71 0.00	151.39 3.74 0.00	107.16 3.74 0.00	51.77 1.57 0.00	46.26 1.30 0.00	47.91 1.05 0.00	42.55 0.95 0.00	42.57 0.71 0.00	42.52 0.66 0.00	44.01 1.13 0.00	45.27 0.85 0.00	54.81 1.34 0.00	64.87 1.44 0.00	69.59 1.28 0.00	61.59 1.08 0.00	63.07 0.81 0.00	51.69 0.92 0.00	52.47 1.21 0.00
FALCON__SEABRD_CC2 323797	48.67 1.29 0.00	47.03 1.35 0.00	47.18 1.34 0.00	43.59 1.30 0.00	42.30 1.43 0.00	49.92 1.81 0.00	66.85 1.71 0.00	151.39 3.74 0.00	107.16 3.74 0.00	51.77 1.57 0.00	46.26 1.30 0.00	47.91 1.05 0.00	42.55 0.95 0.00	42.57 0.71 0.00	42.52 0.66 0.00	44.01 1.13 0.00	45.27 0.85 0.00	54.81 1.34 0.00	64.87 1.44 0.00	69.59 1.28 0.00	61.59 1.08 0.00	63.07 0.81 0.00	51.69 0.92 0.00	52.47 1.21 0.00

FAR ROCKAWAY___4 23548	49.68 2.29 0.00	47.81 2.13 0.00	47.97 2.13 0.00	44.04 1.75 0.00	42.39 1.52 0.00	49.83 1.85 0.13	67.85 2.69 -0.02	150.29 7.31 4.67	107.11 4.18 0.49	52.39 2.19 0.00	47.24 2.28 0.00	49.40 2.55 0.00	43.81 2.21 0.00	44.38 2.51 0.00	44.33 2.47 0.00	45.19 2.31 0.00	46.85 2.43 0.00	56.14 2.66 0.00	67.03 3.61 0.00	71.68 3.37 0.00	63.14 2.63 0.00	65.22 2.96 0.00	53.26 2.49 0.00	53.87 2.59 -0.03
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	49.53 2.15 0.00	47.72 2.04 0.00	47.85 2.01 0.00	44.01 1.72 0.00	42.52 1.65 0.00	50.20 2.08 0.00	68.10 2.96 0.00	155.89 8.25 0.00	108.26 4.85 0.00	52.66 2.45 0.00	47.30 2.33 0.00	49.51 2.66 0.00	43.85 2.25 0.00	44.42 2.56 0.00	44.46 2.60 0.00	45.41 2.53 0.00	46.94 2.53 0.00	56.12 2.65 0.00	66.89 3.47 0.00	71.64 3.33 0.00	63.05 2.54 0.00	65.17 2.91 0.00	53.20 2.43 0.00	53.50 2.25 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	49.54 2.16 0.00	47.73 2.05 0.00	47.85 2.02 0.00	44.02 1.73 0.00	42.52 1.66 0.00	50.21 2.09 0.00	68.10 2.96 0.00	155.91 8.26 0.00	108.28 4.87 0.00	52.66 2.46 0.00	47.30 2.33 0.00	49.51 2.66 0.00	43.85 2.25 0.00	44.41 2.55 0.00	44.46 2.60 0.00	45.41 2.53 0.00	46.94 2.53 0.00	56.12 2.65 0.00	66.90 3.47 0.00	71.64 3.33 0.00	63.06 2.55 0.00	65.18 2.92 0.00	53.21 2.44 0.00	53.51 2.25 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	49.50 2.11 0.00	47.69 2.01 0.00	47.83 1.99 0.00	43.98 1.69 0.00	42.49 1.62 0.00	50.17 2.05 0.00	68.07 2.93 0.00	155.77 8.13 0.00	108.20 4.78 0.00	52.63 2.43 0.00	47.26 2.30 0.00	49.49 2.63 0.00	43.83 2.23 0.00	44.39 2.53 0.00	44.42 2.56 0.00	45.38 2.50 0.00	46.91 2.49 0.00	56.08 2.61 0.00	66.84 3.42 0.00	71.58 3.27 0.00	63.01 2.50 0.00	65.13 2.87 0.00	53.17 2.40 0.00	53.47 2.21 0.00
FARRAGUT___LBMP 323566	49.49 2.10 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.96 1.67 0.00	42.48 1.61 0.00	50.15 2.03 0.00	68.03 2.89 0.00	155.69 8.05 0.00	108.10 4.69 0.00	52.59 2.39 0.00	47.23 2.27 0.00	49.45 2.59 0.00	43.80 2.20 0.00	44.35 2.49 0.00	44.39 2.53 0.00	45.35 2.47 0.00	46.89 2.47 0.00	56.04 2.57 0.00	66.79 3.37 0.00	71.55 3.24 0.00	62.98 2.47 0.00	65.09 2.84 0.00	53.13 2.36 0.00	53.43 2.17 0.00
FENNER___WINDPWR 24204	47.89 0.50 0.00	46.14 0.46 0.00	46.29 0.45 0.00	42.82 0.53 0.00	41.50 0.64 0.00	49.01 0.89 0.00	66.66 1.52 0.00	151.40 3.76 0.00	116.56 2.27 -10.88	51.19 0.99 0.00	45.77 0.80 0.00	47.61 0.76 0.00	42.32 0.71 0.00	42.50 0.64 0.00	42.52 0.66 0.00	43.60 0.72 0.00	45.27 0.85 0.00	54.66 1.18 0.00	64.68 1.26 0.00	69.76 1.45 0.00	61.71 1.19 0.00	63.42 1.17 0.00	51.67 0.90 0.00	52.16 0.90 0.00
FIBERTEK___ENERGY 23856	46.83 -0.56 0.00	45.10 -0.58 0.00	45.25 -0.59 0.00	41.80 -0.49 0.00	40.42 -0.45 0.00	47.56 -0.56 0.00	64.49 -0.65 0.00	146.04 -1.61 0.00	102.02 -1.39 0.00	49.57 -0.63 0.00	44.40 -0.57 0.00	46.27 -0.58 0.00	41.14 -0.46 0.00	41.37 -0.49 0.00	41.38 -0.49 0.00	42.35 -0.54 0.00	43.89 -0.53 0.00	52.90 -0.57 0.00	62.76 -0.67 0.00	67.63 -0.67 0.00	59.87 -0.64 0.00	61.52 -0.74 0.00	50.12 -0.65 0.00	50.62 -0.64 0.00
FITZPATRICK___ 23598	45.73 -1.65 0.00	44.05 -1.63 0.00	44.19 -1.65 0.00	40.82 -1.47 0.00	39.45 -1.41 0.00	46.40 -1.71 0.00	62.85 -2.29 0.00	142.31 -5.34 0.00	99.56 -3.86 0.00	48.41 -1.79 0.00	43.40 -1.56 0.00	45.20 -1.66 0.00	40.20 -1.40 0.00	40.44 -1.42 0.00	40.42 -1.44 0.00	41.36 -1.53 0.00	42.85 -1.56 0.00	51.62 -1.85 0.00	61.21 -2.21 0.00	65.95 -2.36 0.00	58.41 -2.10 0.00	60.01 -2.24 0.00	48.95 -1.83 0.00	49.43 -1.83 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	49.42 2.04 0.00	47.66 1.98 0.00	47.85 2.01 0.00	44.01 1.72 0.00	42.50 1.63 0.00	50.19 2.08 0.00	68.14 3.00 0.00	155.61 7.97 0.00	108.20 4.78 0.00	52.41 2.21 0.00	46.96 1.99 0.00	49.10 2.25 0.00	43.52 1.92 0.00	44.03 2.17 0.00	44.13 2.27 0.00	45.16 2.28 0.00	46.74 2.33 0.00	56.02 2.55 0.00	66.73 3.31 0.00	71.56 3.25 0.00	63.09 2.58 0.00	65.11 2.86 0.00	53.13 2.36 0.00	53.47 2.22 0.00
FORT ORANGE___ 23900	47.51 0.12 0.00	45.93 0.25 0.00	46.12 0.29 0.00	42.57 0.27 0.00	42.26 1.40 0.00	50.62 2.50 0.00	68.88 3.74 0.00	156.46 8.82 0.00	109.49 6.07 0.00	52.64 2.43 0.00	46.30 1.34 0.00	48.01 1.15 0.00	42.77 1.17 0.00	43.02 1.16 0.00	43.04 1.17 0.00	44.42 1.54 0.00	44.89 0.48 0.00	53.92 0.45 0.00	64.02 0.60 0.00	68.82 0.51 0.00	60.97 0.46 0.00	62.61 0.35 0.00	51.02 0.25 0.00	51.42 0.16 0.00
FORT_DRUM_COGEN 23780	48.74 1.35 0.00	46.48 0.80 0.00	46.38 0.54 0.00	42.93 0.64 0.00	41.85 0.98 0.00	49.51 1.40 0.00	68.02 2.88 0.00	155.20 7.56 0.00	175.67 5.37 -66.88	52.28 2.08 0.00	46.33 1.37 0.00	48.16 1.30 0.00	42.63 1.03 0.00	42.43 0.57 0.00	41.90 0.03 0.00	42.98 0.10 0.00	44.97 0.56 0.00	55.24 1.77 0.00	65.54 2.12 0.00	71.18 2.88 0.00	63.37 2.85 0.00	65.17 2.91 0.00	53.04 2.27 0.00	53.47 2.22 0.00
FOX_HILLS___ESR 323835	49.65 2.26 0.00	47.82 2.14 0.00	47.95 2.11 0.00	44.12 1.83 0.00	42.63 1.77 0.00	50.26 2.15 0.00	68.16 3.02 0.00	155.95 8.30 0.00	108.31 4.89 0.00	52.71 2.51 0.00	47.34 2.37 0.00	49.49 2.63 0.00	43.81 2.22 0.00	44.36 2.50 0.00	44.43 2.57 0.00	45.40 2.52 0.00	46.89 2.47 0.00	56.02 2.55 0.00	66.91 3.49 0.00	71.70 3.39 0.00	63.13 2.62 0.00	65.30 3.04 0.00	53.30 2.53 0.00	53.75 2.49 0.00
FPL_FAR_ROCK_GT1 24212	49.68 2.29 0.00	47.81 2.13 0.00	47.97 2.13 0.00	44.03 1.74 0.00	42.39 1.52 0.00	49.83 1.85 0.13	67.85 2.69 -0.02	150.27 7.29 4.67	107.10 4.17 0.49	52.38 2.18 0.00	47.24 2.28 0.00	49.41 2.56 0.00	43.81 2.21 0.00	44.38 2.52 0.00	44.33 2.46 0.00	45.19 2.31 0.00	46.83 2.41 0.00	56.14 2.66 0.00	67.03 3.60 0.00	71.66 3.35 0.00	63.14 2.63 0.00	65.21 2.95 0.00	53.25 2.48 0.00	53.86 2.58 -0.03
FPL_FAR_ROCK_GT2 23815	49.68 2.29 0.00	47.81 2.13 0.00	47.97 2.13 0.00	44.03 1.74 0.00	42.39 1.52 0.00	49.83 1.85 0.13	67.85 2.69 -0.02	150.27 7.29 4.67	107.10 4.17 0.49	52.38 2.18 0.00	47.24 2.28 0.00	49.41 2.56 0.00	43.81 2.21 0.00	44.38 2.52 0.00	44.33 2.46 0.00	45.19 2.31 0.00	46.83 2.41 0.00	56.14 2.66 0.00	67.03 3.60 0.00	71.66 3.35 0.00	63.14 2.63 0.00	65.21 2.95 0.00	53.25 2.48 0.00	53.86 2.58 -0.03
FRANKLIN_FALL_HYD 24054	49.25 1.86 0.00	47.35 1.66 0.00	47.42 1.58 0.00	43.71 1.42 0.00	42.35 1.48 0.00	50.00 1.88 0.00	67.63 2.49 0.00	153.60 5.96 0.00	189.19 5.47 -80.31	52.66 2.46 0.00	46.99 2.03 0.00	50.83 3.98 0.00	44.44 2.84 0.00	43.28 1.42 0.00	43.11 1.24 0.00	44.23 1.35 0.00	45.61 1.19 0.00	55.26 1.78 0.00	65.60 2.18 0.00	70.75 2.44 0.00	62.87 2.35 0.00	64.65 2.39 0.00	52.76 1.98 0.00	53.28 2.02 0.00



FREEPORT_EQUS_GT1 23764	49.21 1.83 0.00	47.37 1.69 0.00	47.55 1.71 0.00	43.63 1.34 0.00	40.76 1.12 1.23	31.28 1.38 18.22	66.63 2.07 0.59	113.40 5.92 40.16	60.26 3.28 46.44	45.97 1.67 5.90	46.80 1.84 0.00	48.91 2.05 0.00	43.36 1.76 0.00	43.93 2.07 0.00	43.51 2.00 0.36	31.51 1.81 13.18	44.66 1.90 1.65	48.29 2.03 7.21	49.47 2.88 16.83	50.73 2.63 20.20	50.80 1.98 11.69	51.94 2.33 12.64	43.53 2.04 9.29	51.65 2.13 1.74
FREEPORT___CT2 23818	49.21 1.83 0.00	47.37 1.69 0.00	47.55 1.71 0.00	43.63 1.34 0.00	40.76 1.12 1.23	31.28 1.38 18.22	66.63 2.07 0.59	113.40 5.92 40.16	60.26 3.28 46.44	45.97 1.67 5.90	46.80 1.84 0.00	48.91 2.05 0.00	43.36 1.76 0.00	43.93 2.07 0.00	43.51 2.00 0.36	31.51 1.81 13.18	44.66 1.90 1.65	48.29 2.03 7.21	49.47 2.88 16.83	50.73 2.63 20.20	50.80 1.98 11.69	51.94 2.33 12.64	43.53 2.04 9.29	51.65 2.13 1.74
FRESHKLS_33_KV_LOAD 356253	49.74 2.35 0.00	47.92 2.24 0.00	48.04 2.20 0.00	44.21 1.92 0.00	42.71 1.85 0.00	50.36 2.25 0.00	68.21 3.07 0.00	156.07 8.43 0.00	108.33 4.91 0.00	52.73 2.53 0.00	47.38 2.42 0.00	49.50 2.64 0.00	43.81 2.21 0.00	44.35 2.49 0.00	44.43 2.57 0.00	45.42 2.53 0.00	46.92 2.50 0.00	56.03 2.55 0.00	66.96 3.54 0.00	71.76 3.46 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.37 2.61 0.00	53.93 2.67 0.00
FULTON COGEN____ 23766	46.24 -1.15 0.00	44.51 -1.18 0.00	44.65 -1.19 0.00	41.25 -1.05 0.00	39.89 -0.98 0.00	46.91 -1.21 0.00	63.58 -1.57 0.00	144.10 -3.54 0.00	100.82 -2.59 0.00	48.98 -1.22 0.00	43.89 -1.07 0.00	45.73 -1.13 0.00	40.67 -0.93 0.00	40.92 -0.95 0.00	40.90 -0.97 0.00	41.83 -1.05 0.00	43.30 -1.12 0.00	52.26 -1.21 0.00	61.99 -1.43 0.00	66.78 -1.53 0.00	59.13 -1.38 0.00	60.76 -1.50 0.00	49.51 -1.26 0.00	50.00 -1.27 0.00
FULTON___LFGE 323630	48.74 1.36 0.00	46.93 1.25 0.00	47.07 1.23 0.00	43.42 1.13 0.00	41.95 1.09 0.00	49.54 1.43 0.00	67.35 2.20 0.00	153.20 5.55 0.00	107.24 3.83 0.00	51.71 1.51 0.00	46.18 1.22 0.00	47.86 1.00 0.00	42.23 0.63 0.00	42.33 0.46 0.00	42.09 0.22 0.00	43.55 0.67 0.00	45.44 1.03 0.00	54.97 1.50 0.00	65.56 2.14 0.00	70.65 2.34 0.00	62.52 2.01 0.00	64.48 2.22 0.00	52.44 1.67 0.00	52.87 1.61 0.00
G.F.CEMENT___DRP 24184	48.89 1.51 0.00	47.30 1.62 0.00	47.35 1.51 0.00	43.82 1.53 0.00	42.50 1.63 0.00	50.23 2.12 0.00	68.24 3.09 0.00	153.82 6.18 0.00	107.75 4.33 0.00	51.69 1.49 0.00	46.16 1.20 0.00	48.33 1.47 0.00	42.86 1.26 0.00	42.95 1.09 0.00	43.38 1.52 0.00	44.65 1.77 0.00	46.40 1.98 0.00	56.03 2.56 0.00	66.43 3.01 0.00	71.61 3.30 0.00	63.41 2.90 0.00	64.70 2.44 0.00	52.57 1.80 0.00	53.00 1.74 0.00
GARDENVILLE___LBMP 24039	46.56 -0.82 0.00	44.27 -1.41 0.00	44.36 -1.48 0.00	40.85 -1.44 0.00	39.61 -1.26 0.00	46.36 -1.76 0.00	61.28 -3.86 0.00	138.40 -9.24 0.00	96.53 -6.89 0.00	48.03 -2.17 0.00	44.00 -0.96 0.00	45.94 -0.91 0.00	40.80 -0.80 0.00	40.61 -1.25 0.00	40.28 -1.59 0.00	40.81 -2.08 0.00	41.74 -2.67 0.00	50.72 -2.76 0.00	60.48 -2.94 0.00	65.58 -2.72 0.00	58.05 -2.46 0.00	60.11 -2.15 0.00	49.14 -1.63 0.00	50.63 -0.63 0.00
GARDNVLA_35_KV_LD 355827	46.82 -0.57 0.00	44.49 -1.19 0.00	44.58 -1.26 0.00	41.04 -1.25 0.00	39.79 -1.08 0.00	46.60 -1.51 0.00	61.68 -3.47 0.00	139.37 -8.27 0.00	97.25 -6.17 0.00	48.39 -1.82 0.00	44.35 -0.62 0.00	46.31 -0.54 0.00	41.15 -0.45 0.00	40.99 -0.87 0.00	40.60 -1.27 0.00	41.14 -1.74 0.00	42.08 -2.33 0.00	51.06 -2.42 0.00	60.88 -2.54 0.00	66.03 -2.28 0.00	58.44 -2.07 0.00	60.50 -1.77 0.00	49.42 -1.35 0.00	50.88 -0.38 0.00
GELCKHM___115KV_LOAD 80723	46.56 -0.83 0.00	44.82 -0.86 0.00	44.97 -0.87 0.00	41.54 -0.75 0.00	40.15 -0.71 0.00	47.24 -0.88 0.00	63.99 -1.15 0.00	144.99 -2.65 0.00	101.35 -2.06 0.00	49.28 -0.92 0.00	44.15 -0.81 0.00	46.01 -0.85 0.00	40.91 -0.69 0.00	41.16 -0.70 0.00	41.15 -0.72 0.00	42.09 -0.79 0.00	43.61 -0.81 0.00	52.56 -0.91 0.00	62.36 -1.06 0.00	67.19 -1.12 0.00	59.49 -1.02 0.00	61.14 -1.12 0.00	49.82 -0.95 0.00	50.32 -0.94 0.00
GENERAL___MILLS 23808	46.67 -0.71 0.00	44.36 -1.33 0.00	44.43 -1.40 0.00	40.91 -1.38 0.00	39.67 -1.19 0.00	46.45 -1.67 0.00	61.42 -3.72 0.00	138.72 -8.93 0.00	96.79 -6.63 0.00	48.17 -2.03 0.00	44.17 -0.80 0.00	46.11 -0.75 0.00	40.98 -0.62 0.00	40.82 -1.05 0.00	40.42 -1.45 0.00	40.94 -1.94 0.00	41.87 -2.55 0.00	50.81 -2.66 0.00	60.59 -2.83 0.00	65.70 -2.61 0.00	58.15 -2.36 0.00	60.22 -2.04 0.00	49.20 -1.57 0.00	50.69 -0.57 0.00
GE_PLASTICS___DRP 24183	47.57 0.19 0.00	46.01 0.33 0.00	46.21 0.38 0.00	42.63 0.34 0.00	41.20 0.33 0.00	48.54 0.42 0.00	65.71 0.57 0.00	148.75 1.11 0.00	104.12 0.70 0.00	50.24 0.03 0.00	44.89 -0.07 0.00	46.89 0.03 0.00	41.57 -0.03 0.00	41.98 0.12 0.00	42.20 0.33 0.00	43.30 0.42 0.00	44.90 0.48 0.00	53.86 0.38 0.00	63.91 0.49 0.00	68.69 0.39 0.00	60.86 0.35 0.00	62.58 0.32 0.00	51.04 0.27 0.00	51.45 0.19 0.00
GILBOA___1 23756	48.07 0.68 0.00	46.72 1.04 0.00	47.05 1.22 0.00	43.35 1.06 0.00	41.59 0.73 0.00	48.85 0.73 0.00	66.15 1.01 0.00	149.91 2.26 0.00	104.69 1.27 0.00	50.75 0.55 0.00	45.46 0.50 0.00	47.49 0.63 0.00	42.09 0.49 0.00	42.51 0.64 0.00	42.61 0.75 0.00	43.64 0.76 0.00	45.21 0.79 0.00	54.03 0.55 0.00	64.07 0.65 0.00	68.84 0.53 0.00	61.05 0.54 0.00	63.00 0.74 0.00	51.52 0.75 0.00	51.95 0.69 0.00
GILBOA___2 23757	48.07 0.68 0.00	46.72 1.04 0.00	47.05 1.22 0.00	43.35 1.06 0.00	41.59 0.73 0.00	48.85 0.73 0.00	66.15 1.01 0.00	149.91 2.26 0.00	104.69 1.27 0.00	50.75 0.55 0.00	45.46 0.50 0.00	47.49 0.63 0.00	42.09 0.49 0.00	42.51 0.64 0.00	42.61 0.75 0.00	43.64 0.76 0.00	45.21 0.79 0.00	54.03 0.55 0.00	64.07 0.65 0.00	68.84 0.53 0.00	61.05 0.54 0.00	63.00 0.74 0.00	51.52 0.75 0.00	51.95 0.69 0.00
GILBOA___3 23758	48.07 0.68 0.00	46.72 1.04 0.00	47.05 1.22 0.00	43.35 1.06 0.00	41.59 0.73 0.00	48.85 0.73 0.00	66.15 1.01 0.00	149.91 2.26 0.00	104.69 1.27 0.00	50.75 0.55 0.00	45.46 0.50 0.00	47.49 0.63 0.00	42.09 0.49 0.00	42.51 0.64 0.00	42.61 0.75 0.00	43.64 0.76 0.00	45.21 0.79 0.00	54.03 0.55 0.00	64.07 0.65 0.00	68.84 0.53 0.00	61.05 0.54 0.00	63.00 0.74 0.00	51.52 0.75 0.00	51.95 0.69 0.00
GILBOA___4 23759	48.07 0.68 0.00	46.72 1.04 0.00	47.05 1.22 0.00	43.35 1.06 0.00	41.59 0.73 0.00	48.85 0.73 0.00	66.15 1.01 0.00	149.91 2.26 0.00	104.69 1.27 0.00	50.75 0.55 0.00	45.46 0.50 0.00	47.49 0.63 0.00	42.09 0.49 0.00	42.51 0.64 0.00	42.61 0.75 0.00	43.64 0.76 0.00	45.21 0.79 0.00	54.03 0.55 0.00	64.07 0.65 0.00	68.84 0.53 0.00	61.05 0.54 0.00	63.00 0.74 0.00	51.52 0.75 0.00	51.95 0.69 0.00

GILBOA____ 23599	48.07 0.68 0.00	46.71 1.03 0.00	47.05 1.22 0.00	43.35 1.06 0.00	41.59 0.73 0.00	48.85 0.73 0.00	66.15 1.01 0.00	149.91 2.26 0.00	104.69 1.27 0.00	50.75 0.55 0.00	45.46 0.50 0.00	47.49 0.63 0.00	42.09 0.49 0.00	42.51 0.65 0.00	42.61 0.75 0.00	43.65 0.76 0.00	45.21 0.79 0.00	54.03 0.56 0.00	64.07 0.65 0.00	68.84 0.53 0.00	61.05 0.54 0.00	63.01 0.75 0.00	51.52 0.75 0.00	51.95 0.69 0.00
GINNA____ 23603	44.83 -2.56 0.00	42.91 -2.77 0.00	43.01 -2.83 0.00	39.68 -2.61 0.00	38.41 -2.45 0.00	45.20 -2.92 0.00	60.81 -4.33 0.00	137.98 -9.67 0.00	96.44 -6.97 0.00	47.24 -2.97 0.00	42.69 -2.27 0.00	44.55 -2.31 0.00	39.65 -1.95 0.00	39.67 -2.14 0.04	39.24 -2.33 0.30	39.91 -2.59 0.37	41.29 -2.78 0.35	49.67 -3.15 0.66	59.13 -3.62 0.67	64.21 -3.82 0.27	56.86 -3.43 0.21	58.35 -3.55 0.36	46.96 -2.97 0.84	47.91 -2.76 0.59
GLEN PARK____ 23778	48.88 1.49 0.00	46.61 0.93 0.00	46.50 0.67 0.00	43.05 0.76 0.00	41.96 1.09 0.00	49.67 1.55 0.00	68.26 3.12 0.00	155.80 8.16 0.00	172.50 5.79 -63.29	52.43 2.23 0.00	46.46 1.49 0.00	48.21 1.35 0.00	42.64 1.04 0.00	42.43 0.56 0.00	41.88 0.02 0.00	42.96 0.07 0.00	45.13 0.72 0.00	55.48 2.01 0.00	65.84 2.42 0.00	71.52 3.21 0.00	63.64 3.13 0.00	65.43 3.17 0.00	53.22 2.45 0.00	53.62 2.36 0.00
GLENDALE_27_KV_LOAD 356172	49.72 2.34 0.00	47.91 2.23 0.00	48.03 2.19 0.00	44.19 1.90 0.00	42.69 1.82 0.00	50.36 2.24 0.00	68.29 3.15 0.00	156.35 8.71 0.00	108.63 5.22 0.00	52.88 2.68 0.00	47.53 2.57 0.00	49.75 2.90 0.00	44.08 2.49 0.00	44.64 2.78 0.00	44.69 2.82 0.00	45.64 2.76 0.00	47.15 2.74 0.00	56.33 2.85 0.00	67.14 3.72 0.00	71.91 3.60 0.00	63.28 2.78 0.00	65.48 3.22 0.00	53.49 2.72 0.00	53.77 2.51 0.00
GLENWOOD_IC_1_G5 23712	49.33 1.94 0.00	47.51 1.83 0.00	47.68 1.84 0.00	43.80 1.51 0.00	41.49 1.37 0.75	38.80 1.74 11.06	67.41 2.57 0.30	133.41 7.11 21.34	83.16 4.12 24.38	48.66 2.06 3.61	47.06 2.09 0.00	49.21 2.36 0.00	43.61 2.01 0.00	44.17 2.31 0.00	43.95 2.30 0.22	36.99 2.17 8.06	45.62 2.22 1.01	51.41 2.34 4.41	56.28 3.15 10.29	58.94 2.99 12.35	55.62 2.26 7.15	57.13 2.61 7.73	47.27 2.18 5.68	52.36 2.16 1.06
GLENWOOD_IC_2_G1 23688	49.23 1.84 0.00	47.42 1.74 0.00	47.59 1.76 0.00	43.73 1.44 0.00	42.20 1.33 0.00	49.80 1.69 0.00	67.62 2.48 0.00	154.41 6.92 0.16	107.34 3.98 0.06	52.18 1.98 0.00	46.93 1.97 0.00	49.09 2.24 0.00	43.49 1.89 0.00	44.05 2.19 0.00	44.07 2.20 0.00	44.96 2.08 0.00	46.52 2.10 0.00	55.67 2.20 0.00	66.39 2.97 0.00	71.09 2.79 0.00	62.62 2.11 0.00	64.70 2.44 0.00	52.84 2.07 0.00	53.26 2.00 0.00
GLENWOOD_IC_3_G1 23689	49.23 1.84 0.00	47.42 1.74 0.00	47.59 1.76 0.00	43.73 1.44 0.00	42.20 1.33 0.00	49.80 1.69 0.00	67.62 2.48 0.00	154.41 6.92 0.16	107.34 3.98 0.06	52.18 1.98 0.00	46.93 1.97 0.00	49.09 2.24 0.00	43.49 1.89 0.00	44.05 2.19 0.00	44.07 2.20 0.00	44.96 2.08 0.00	46.52 2.10 0.00	55.67 2.20 0.00	66.39 2.97 0.00	71.09 2.79 0.00	62.62 2.11 0.00	64.70 2.44 0.00	52.84 2.07 0.00	53.26 2.00 0.00
GLENWOOD____4 23550	49.33 1.94 0.00	47.51 1.83 0.00	47.68 1.84 0.00	43.80 1.51 0.00	41.49 1.37 0.75	38.80 1.74 11.06	67.41 2.57 0.30	133.41 7.11 21.34	83.16 4.12 24.38	48.66 2.06 3.61	47.06 2.09 0.00	49.21 2.36 0.00	43.61 2.01 0.00	44.17 2.31 0.00	43.95 2.30 0.22	36.99 2.17 8.06	45.62 2.22 1.01	51.41 2.34 4.41	56.28 3.15 10.29	58.94 2.99 12.35	55.62 2.26 7.15	57.13 2.61 7.73	47.27 2.18 5.68	52.36 2.16 1.06
GLENWOOD____5 23614	49.33 1.94 0.00	47.51 1.83 0.00	47.68 1.84 0.00	43.80 1.51 0.00	41.49 1.37 0.75	38.80 1.74 11.06	67.41 2.57 0.30	133.41 7.11 21.34	83.16 4.12 24.38	48.66 2.06 3.61	47.06 2.09 0.00	49.21 2.36 0.00	43.61 2.01 0.00	44.17 2.31 0.00	43.95 2.30 0.22	36.99 2.17 8.06	45.62 2.22 1.01	51.41 2.34 4.41	56.28 3.15 10.29	58.94 2.99 12.35	55.62 2.26 7.15	57.13 2.61 7.73	47.27 2.18 5.68	52.36 2.16 1.06
GLOBAL GREEN_PORT_GT1 23814	48.19 0.80 0.00	46.39 0.70 0.00	46.87 1.03 0.00	43.45 1.16 0.00	39.42 1.05 2.50	12.75 1.47 36.82	53.94 2.76 13.96	87.06 8.25 68.83	38.10 5.28 70.60	41.02 2.79 11.97	47.69 2.73 0.00	40.95 2.28 8.18	17.10 1.95 26.44	-1.63 2.20 45.69	23.77 1.94 20.04	17.92 1.78 26.74	43.24 2.18 3.35	40.94 2.10 14.64	32.42 3.16 34.16	29.49 2.17 40.99	38.31 1.51 23.71	38.73 2.13 25.66	33.20 1.28 18.85	44.41 1.09 7.94
GLOBE____DSASP 323697	45.78 -1.61 0.00	43.38 -2.30 0.00	43.50 -2.34 0.00	40.02 -2.27 0.00	38.80 -2.07 0.00	45.37 -2.74 0.00	59.19 -5.95 0.00	133.14 -14.51 0.00	93.12 -10.29 0.00	46.65 -3.55 0.00	43.21 -1.75 0.00	45.18 -1.67 0.00	40.29 -1.31 0.00	40.04 -1.82 0.00	39.56 -2.31 0.00	40.04 -2.84 0.00	40.85 -3.57 0.00	49.28 -4.20 0.00	58.57 -4.86 0.00	63.42 -4.89 0.00	56.25 -4.26 0.00	58.29 -3.97 0.00	47.80 -2.97 0.00	49.46 -1.80 0.00
GOETHSLN____LBMP 323567	49.34 1.96 0.00	47.53 1.85 0.00	47.65 1.81 0.00	43.83 1.54 0.00	42.35 1.49 0.00	50.02 1.90 0.00	67.87 2.73 0.00	155.29 7.65 0.00	107.79 4.37 0.00	52.40 2.21 0.00	47.06 2.09 0.00	49.28 2.43 0.00	43.63 2.03 0.00	44.21 2.35 0.00	44.25 2.39 0.00	45.21 2.33 0.00	46.72 2.31 0.00	55.86 2.39 0.00	66.60 3.18 0.00	71.35 3.04 0.00	62.80 2.29 0.00	64.92 2.66 0.00	52.99 2.22 0.00	53.23 1.98 0.00
GOLAH____69_KV_TB 1_2 80279	47.32 -0.07 0.00	45.21 -0.47 0.00	45.21 -0.63 0.00	41.72 -0.57 0.00	40.42 -0.44 0.00	47.53 -0.59 0.00	63.56 -1.58 0.00	144.10 -3.54 0.00	100.72 -2.69 0.00	49.51 -0.69 0.00	44.84 -0.13 0.00	46.77 -0.08 0.00	41.56 -0.04 0.00	41.64 -0.22 0.00	41.39 -0.47 0.00	42.09 -0.79 0.00	43.33 -1.08 0.00	52.56 -0.91 0.00	62.58 -0.84 0.00	67.59 -0.72 0.00	59.83 -0.69 0.00	61.65 -0.61 0.00	50.21 -0.56 0.00	51.15 -0.10 0.00
GOODYEAR_LAKE_HYD 323669	48.53 1.15 0.00	46.84 1.16 0.00	47.01 1.17 0.00	43.33 1.04 0.00	41.84 0.97 0.00	49.23 1.12 0.00	66.92 1.78 0.00	152.21 4.56 0.00	106.20 2.79 0.00	51.55 1.35 0.00	46.24 1.27 0.00	48.17 1.32 0.00	42.76 1.16 0.00	43.08 1.22 0.00	42.87 1.00 0.00	43.88 1.00 0.00	45.47 1.06 0.00	54.63 1.16 0.00	64.96 1.54 0.00	70.01 1.70 0.00	61.92 1.41 0.00	63.91 1.65 0.00	52.08 1.31 0.00	52.56 1.30 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	47.47 0.09 0.00	45.75 0.07 0.00	45.91 0.08 0.00	42.38 0.09 0.00	41.04 0.18 0.00	48.15 0.03 0.00	65.09 -0.05 0.00	147.49 -0.15 0.00	102.60 -0.82 0.00	49.93 -0.27 0.00	44.91 -0.06 0.00	46.81 -0.04 0.00	41.57 -0.03 0.00	41.83 -0.03 0.00	41.74 -0.13 0.00	42.60 -0.28 0.00	44.12 -0.30 0.00	53.12 -0.36 0.00	63.17 -0.26 0.00	68.26 -0.05 0.00	60.33 -0.18 0.00	62.14 -0.12 0.00	50.63 -0.14 0.00	51.34 0.08 0.00

GOUDEY___7 23579	47.47 0.09 0.00	45.75 0.07 0.00	45.91 0.08 0.00	42.38 0.09 0.00	41.04 0.18 0.00	48.15 0.03 0.00	65.09 -0.05 0.00	147.49 -0.15 0.00	102.60 -0.82 0.00	49.93 -0.27 0.00	44.91 -0.06 0.00	46.81 -0.04 0.00	41.57 -0.03 0.00	41.83 -0.03 0.00	41.74 -0.13 0.00	42.60 -0.28 0.00	44.12 -0.30 0.00	53.12 -0.36 0.00	63.17 -0.26 0.00	68.26 -0.05 0.00	60.33 -0.18 0.00	62.14 -0.12 0.00	50.63 -0.14 0.00	51.34 0.08 0.00
GOUDEY___8 23580	47.47 0.09 0.00	45.75 0.07 0.00	45.91 0.08 0.00	42.38 0.09 0.00	41.04 0.18 0.00	48.15 0.03 0.00	65.09 -0.05 0.00	147.49 -0.15 0.00	102.60 -0.82 0.00	49.93 -0.27 0.00	44.91 -0.06 0.00	46.81 -0.04 0.00	41.57 -0.03 0.00	41.83 -0.03 0.00	41.74 -0.13 0.00	42.60 -0.28 0.00	44.12 -0.30 0.00	53.12 -0.36 0.00	63.17 -0.26 0.00	68.26 -0.05 0.00	60.33 -0.18 0.00	62.14 -0.12 0.00	50.63 -0.14 0.00	51.34 0.08 0.00
GOWANUS_GT1_1 24077	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.00	108.56 5.14 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.61 2.76 0.00	43.93 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	47.01 2.59 0.00	56.18 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.39 2.62 0.00	53.68 2.43 0.00
GOWANUS_GT1_2 24078	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.00	108.56 5.14 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.61 2.76 0.00	43.93 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	47.01 2.59 0.00	56.18 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.39 2.62 0.00	53.68 2.43 0.00
GOWANUS_GT1_3 24079	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.00	108.56 5.14 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.61 2.76 0.00	43.93 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	47.01 2.59 0.00	56.18 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.39 2.62 0.00	53.68 2.43 0.00
GOWANUS_GT1_4 24080	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.00	108.56 5.14 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.61 2.76 0.00	43.93 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	47.01 2.59 0.00	56.18 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.39 2.62 0.00	53.68 2.43 0.00
GOWANUS_GT1_5 24084	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.00	108.56 5.14 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.61 2.76 0.00	43.93 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	47.01 2.59 0.00	56.18 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.39 2.62 0.00	53.68 2.43 0.00
GOWANUS_GT1_6 24111	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.																

GOWANUS_GT2_6 24119	49.68 2.30 0.00	47.86 2.18 0.00	47.96 2.12 0.00	44.13 1.84 0.00	42.64 1.77 0.00	50.28 2.17 0.00	68.26 3.12 0.00	156.23 8.58 0.00	108.51 5.10 0.00	52.80 2.60 0.00	47.42 2.45 0.00	49.60 2.74 0.00	43.91 2.31 0.00	44.46 2.60 0.00	44.53 2.67 0.00	45.48 2.60 0.00	46.95 2.54 0.00	56.15 2.67 0.00	67.02 3.59 0.00	71.78 3.47 0.00	63.20 2.69 0.00	65.37 3.11 0.00	53.34 2.58 0.00	53.66 2.40 0.00
GOWANUS_GT2_7 24120	49.68 2.30 0.00	47.86 2.18 0.00	47.96 2.12 0.00	44.13 1.84 0.00	42.64 1.77 0.00	50.28 2.17 0.00	68.26 3.12 0.00	156.23 8.58 0.00	108.51 5.10 0.00	52.80 2.60 0.00	47.42 2.45 0.00	49.60 2.74 0.00	43.91 2.31 0.00	44.46 2.60 0.00	44.53 2.67 0.00	45.48 2.60 0.00	46.95 2.54 0.00	56.15 2.67 0.00	67.02 3.59 0.00	71.78 3.47 0.00	63.20 2.69 0.00	65.37 3.11 0.00	53.34 2.58 0.00	53.66 2.40 0.00
GOWANUS_GT2_8 24121	49.68 2.30 0.00	47.86 2.18 0.00	47.96 2.12 0.00	44.13 1.84 0.00	42.64 1.77 0.00	50.28 2.17 0.00	68.26 3.12 0.00	156.23 8.58 0.00	108.51 5.10 0.00	52.80 2.60 0.00	47.42 2.45 0.00	49.60 2.74 0.00	43.91 2.31 0.00	44.46 2.60 0.00	44.53 2.67 0.00	45.48 2.60 0.00	46.95 2.54 0.00	56.15 2.67 0.00	67.02 3.59 0.00	71.78 3.47 0.00	63.20 2.69 0.00	65.37 3.11 0.00	53.34 2.58 0.00	53.66 2.40 0.00
GOWANUS_GT3_1 24122	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
GOWANUS_GT3_2 24123	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
GOWANUS_GT3_3 24124	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
GOWANUS_GT3_4 24125	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
GOWANUS_GT3_5 24126	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00															

GOWANUS_GT4_5 24134	49.68 2.30 0.00	47.85 2.17 0.00	47.96 2.12 0.00	44.12 1.84 0.00	42.64 1.77 0.00	50.29 2.17 0.00	68.26 3.12 0.00	156.23 8.59 0.00	108.50 5.09 0.00	52.80 2.59 0.00	47.42 2.45 0.00	49.59 2.73 0.00	43.92 2.32 0.00	44.46 2.60 0.00	44.53 2.66 0.00	45.49 2.61 0.00	46.98 2.57 0.00	56.15 2.68 0.00	67.02 3.60 0.00	71.78 3.47 0.00	63.21 2.69 0.00	65.37 3.12 0.00	53.36 2.59 0.00	53.66 2.40 0.00
GOWANUS_GT4_6 24135	49.68 2.30 0.00	47.85 2.17 0.00	47.96 2.12 0.00	44.12 1.84 0.00	42.64 1.77 0.00	50.29 2.17 0.00	68.26 3.12 0.00	156.23 8.59 0.00	108.50 5.09 0.00	52.80 2.59 0.00	47.42 2.45 0.00	49.59 2.73 0.00	43.92 2.32 0.00	44.46 2.60 0.00	44.53 2.66 0.00	45.49 2.61 0.00	46.98 2.57 0.00	56.15 2.68 0.00	67.02 3.60 0.00	71.78 3.47 0.00	63.21 2.69 0.00	65.37 3.12 0.00	53.36 2.59 0.00	53.66 2.40 0.00
GOWANUS_GT4_7 24136	49.68 2.30 0.00	47.85 2.17 0.00	47.96 2.12 0.00	44.12 1.84 0.00	42.64 1.77 0.00	50.29 2.17 0.00	68.26 3.12 0.00	156.23 8.59 0.00	108.50 5.09 0.00	52.80 2.59 0.00	47.42 2.45 0.00	49.59 2.73 0.00	43.92 2.32 0.00	44.46 2.60 0.00	44.53 2.66 0.00	45.49 2.61 0.00	46.98 2.57 0.00	56.15 2.68 0.00	67.02 3.60 0.00	71.78 3.47 0.00	63.21 2.69 0.00	65.37 3.12 0.00	53.36 2.59 0.00	53.66 2.40 0.00
GOWANUS_GT4_8 24137	49.68 2.30 0.00	47.85 2.17 0.00	47.96 2.12 0.00	44.12 1.84 0.00	42.64 1.77 0.00	50.29 2.17 0.00	68.26 3.12 0.00	156.23 8.59 0.00	108.50 5.09 0.00	52.80 2.59 0.00	47.42 2.45 0.00	49.59 2.73 0.00	43.92 2.32 0.00	44.46 2.60 0.00	44.53 2.66 0.00	45.49 2.61 0.00	46.98 2.57 0.00	56.15 2.68 0.00	67.02 3.60 0.00	71.78 3.47 0.00	63.21 2.69 0.00	65.37 3.12 0.00	53.36 2.59 0.00	53.66 2.40 0.00
GREATVR_69_KV_BK1 356245	49.27 1.88 0.00	47.39 1.71 0.00	47.61 1.77 0.00	43.67 1.38 0.00	39.61 1.11 2.36	14.59 1.25 34.77	56.71 2.08 10.50	89.29 5.74 64.09	38.81 3.23 67.84	40.57 1.69 11.33	47.00 2.04 0.00	45.41 2.27 3.71	31.53 1.93 12.00	23.42 2.30 20.74	34.59 2.17 9.45	19.30 1.72 25.29	43.19 1.95 3.17	41.62 2.00 13.84	33.92 2.80 32.31	32.09 2.56 38.77	40.03 1.95 22.43	40.22 2.24 24.27	34.82 1.89 17.83	48.07 2.16 5.35
GREENBSH_115KV_TB3 55895	47.25 -0.14 0.00	45.69 0.01 0.00	45.89 0.05 0.00	42.34 0.05 0.00	40.94 0.07 0.00	48.22 0.10 0.00	65.24 0.10 0.00	147.48 -0.16 0.00	103.34 -0.08 0.00	49.76 -0.44 0.00	44.47 -0.49 0.00	46.47 -0.39 0.00	41.20 -0.40 0.00	41.63 -0.23 0.00	41.92 0.05 0.00	43.03 0.15 0.00	44.68 0.26 0.00	53.59 0.12 0.00	63.57 0.15 0.00	68.34 0.03 0.00	60.57 0.06 0.00	62.19 -0.07 0.00	50.71 -0.06 0.00	51.11 -0.15 0.00
GREENDGE_115KV_TB5 80291	47.10 -0.28 0.00	45.42 -0.26 0.00	45.50 -0.33 0.00	42.06 -0.23 0.00	40.75 -0.11 0.00	47.75 -0.37 0.00	64.17 -0.97 0.00	143.98 -3.66 0.00	100.23 -3.18 0.00	49.35 -0.85 0.00	44.70 -0.26 0.00	46.55 -0.30 0.00	41.27 -0.33 0.00	41.36 -0.50 0.00	41.36 -0.50 0.00	42.13 -0.75 0.00	43.45 -0.96 0.00	52.61 -0.86 0.00	62.68 -0.74 0.00	67.82 -0.49 0.00	59.91 -0.60 0.00	61.66 -0.60 0.00	50.17 -0.60 0.00	51.00 -0.27 0.00
GREENIDGE___3 23582	47.10 -0.28 0.00	45.42 -0.26 0.00	45.50 -0.33 0.00	42.06 -0.23 0.00	40.75 -0.11 0.00	47.75 -0.37 0.00	64.17 -0.97 0.00	143.98 -3.66 0.00	100.23 -3.18 0.00	49.35 -0.85 0.00	44.70 -0.26 0.00	46.55 -0.30 0.00	41.27 -0.33 0.00	41.36 -0.50 0.00	41.36 -0.50 0.00	42.13 -0.75 0.00	43.45 -0.96 0.00	52.61 -0.86 0.00	62.68 -0.74 0.00	67.82 -0.49 0.00	59.91 -0.60 0.00	61.66 -0.60 0.00	50.17 -0.60 0.00	51.00 -0.27 0.00
GREENIDGE___4 23583	47.11 -0.28 0.00	45.40 -0.28 0.00	45.52 -0.32 0.00	42.06 -0.23 0.00	40.75 -0.11 0.00	47.74 -0.37 0.00	64.17 -0.97 0.00	143.98 -3.66 0.00	100.26 -3.16 0.00	49.35 -0.85 0.00	44.71 -0.26 0.00	46.55 -0.31 0.00	41.26 -0.33 0.00	41.44 -0.50 -0.07	41.83 -0.51 -0.47	42.66 -0.74 -0.53	43.97 -0.94 -0.49	53.53 -0.87 -0.92	63.62 -0.73 -0.93	68.20 -0.48 -0.38	60.21 -0.60 -0.30	62.18 -0.59 -0.50	51.34 -0.59 -1.17	51.84 -0.24 -0.83
GREENLWN_69_KV_BK 3 55738	48.47 1.08 0.00	46.70 1.02 0.00	46.93 1.09 0.00	43.04 0.75 0.00	38.97 0.51 2.41	13.99 0.65 34.77	76.84 1.16 -10.55	102.53 3.56 48.68	36.75 1.53 68.20	39.47 0.83 11.56	46.23 1.27 0.00	49.42 1.55 -1.01	46.17 1.32 -3.25	49.10 1.61 -5.62	45.04 1.49 -1.68	18.21 1.14 25.81	42.32 1.14 3.23	40.38 1.03 14.13	32.08 1.63 32.97	30.05 1.31 39.57	38.44 0.82 22.89	38.62 1.13 24.77	33.61 1.04 18.20	49.60 1.23 2.88
GREENWD_138_KV_38B11_REV_LBMP_J 345004	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.00	108.56 5.14 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.61 2.76 0.00	43.93 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	47.01 2.59 0.00	56.18 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.39 2.62 0.00	53.68 2.43 0.00
GRISSOM___SOLAR 323813	48.84 1.45 0.00	47.05 1.37 0.00	47.19 1.35 0.00	43.52 1.23 0.00	42.06 1.20 0.00	49.66 1.55 0.00	67.48 2.34 0.00	153.45 5.81 0.00	107.39 3.97 0.00	51.70 1.50 0.00	46.16 1.20 0.00	47.84 0.98 0.00	42.12 0.52 0.00	42.22 0.36 0.00	42.04 0.17 0.00	43.59 0.71 0.00	45.56 1.14 0.00	55.10 1.62 0.00	65.74 2.32 0.00	70.79 2.48 0.00	62.66 2.15 0.00	64.55 2.30 0.00	52.53 1.76 0.00	52.93 1.67 0.00
GROVEVILLE___HYD 323602	49.42 2.04 0.00	47.66 1.98 0.00	47.85 2.01 0.00	44.01 1.72 0.00	42.50 1.63 0.00	50.19 2.08 0.00	68.14 3.00 0.00	155.61 7.97 0.00	108.20 4.78 0.00	52.41 2.21 0.00	46.96 1.99 0.00	49.10 2.25 0.00	43.52 1.92 0.00	44.03 2.17 0.00	44.13 2.27 0.00	45.16 2.28 0.00	46.74 2.33 0.00	56.02 2.55 0.00	66.73 3.31 0.00	71.56 3.25 0.00	63.09 2.58 0.00	65.11 2.86 0.00	53.13 2.36 0.00	53.47 2.22 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	46.83 -0.56 0.00	45.10 -0.58 0.00	45.25 -0.59 0.00	41.80 -0.49 0.00	40.42 -0.45 0.00	47.56 -0.56 0.00	64.49 -0.65 0.00	146.04 -1.61 0.00	102.02 -1.39 0.00	49.57 -0.63 0.00	44.40 -0.57 0.00	46.27 -0.58 0.00	41.14 -0.46 0.00	41.37 -0.49 0.00	41.38 -0.49 0.00	42.35 -0.54 0.00	43.89 -0.53 0.00	52.90 -0.57 0.00	62.76 -0.67 0.00	67.63 -0.67 0.00	59.87 -0.64 0.00	61.52 -0.74 0.00	50.12 -0.65 0.00	50.62 -0.64 0.00
HAMLTNNY_34_KV_TB 80303	46.98 -0.41 0.00	45.24 -0.44 0.00	45.37 -0.47 0.00	41.92 -0.37 0.00	40.52 -0.34 0.00	47.71 -0.41 0.00	64.66 -0.49 0.00	146.25 -1.39 0.00	102.14 -1.28 0.00	49.69 -0.51 0.00	44.48 -0.49 0.00	46.37 -0.48 0.00	41.24 -0.36 0.00	41.44 -0.42 0.00	41.46 -0.41 0.00	42.41 -0.47 0.00	43.96 -0.45 0.00	53.02 -0.46 0.00	62.93 -0.49 0.00	67.84 -0.46 0.00	60.04 -0.47 0.00	61.70 -0.56 0.00	50.24 -0.53 0.00	50.78 -0.48 0.00

HAMPSHIRE___PAPER_HYD 323593	48.98 1.60 0.00	46.89 1.21 0.00	46.85 1.02 0.00	43.28 0.99 0.00	42.08 1.22 0.00	49.71 1.59 0.00	67.79 2.65 0.00	153.69 6.05 0.00	277.36 4.75 -169.19	52.15 1.95 0.00	46.44 1.47 0.00	48.61 1.76 0.00	43.14 1.54 0.00	42.93 1.07 0.00	42.56 0.70 0.00	43.46 0.58 0.00	44.77 0.35 0.00	54.55 1.08 0.00	64.71 1.29 0.00	70.26 1.96 0.00	62.77 2.26 0.00	64.85 2.59 0.00	52.94 2.17 0.00	53.41 2.15 0.00
HARDSCRABBLE_WT_PWR 323673	48.98 1.59 0.00	47.34 1.66 0.00	47.53 1.70 0.00	43.90 1.61 0.00	42.52 1.65 0.00	49.97 1.86 0.00	68.00 2.86 0.00	154.13 6.49 0.00	107.26 3.84 0.00	51.52 1.31 0.00	45.94 0.97 0.00	47.68 0.83 0.00	41.89 0.29 0.00	42.17 0.31 0.00	42.19 0.32 0.00	43.82 0.94 0.00	45.55 1.14 0.00	55.12 1.65 0.00	65.98 2.56 0.00	71.13 2.82 0.00	63.04 2.53 0.00	64.87 2.61 0.00	52.74 1.97 0.00	53.08 1.82 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	49.34 1.95 0.00	47.55 1.87 0.00	47.70 1.87 0.00	43.89 1.60 0.00	42.41 1.54 0.00	50.11 1.99 0.00	68.06 2.91 0.00	155.50 7.85 0.00	108.01 4.59 0.00	52.31 2.11 0.00	46.90 1.94 0.00	49.06 2.21 0.00	43.47 1.87 0.00	44.00 2.13 0.00	44.10 2.24 0.00	45.06 2.18 0.00	46.66 2.24 0.00	55.95 2.47 0.00	66.73 3.30 0.00	71.43 3.13 0.00	62.91 2.40 0.00	64.99 2.73 0.00	53.01 2.23 0.00	53.36 2.09 0.00
HARSNRAD_115KV_TB1 81005	46.20 -1.19 0.00	43.78 -1.90 0.00	43.89 -1.94 0.00	40.40 -1.89 0.00	39.20 -1.67 0.00	45.84 -2.27 0.00	60.27 -4.87 0.00	135.97 -11.67 0.00	95.04 -8.37 0.00	47.47 -2.73 0.00	43.59 -1.37 0.00	45.55 -1.31 0.00	40.59 -1.01 0.00	40.39 -1.48 0.00	39.88 -1.99 0.00	40.32 -2.56 0.00	41.21 -3.20 0.00	50.00 -3.47 0.00	59.59 -3.84 0.00	64.58 -3.73 0.00	57.24 -3.27 0.00	59.27 -2.99 0.00	48.46 -2.31 0.00	50.01 -1.25 0.00
HARZA MOOSE___RIVER 24016	48.45 1.06 0.00	46.44 0.76 0.00	46.44 0.60 0.00	42.95 0.66 0.00	41.78 0.91 0.00	49.34 1.22 0.00	67.43 2.29 0.00	153.40 5.76 0.00	154.97 3.94 -47.61	51.85 1.65 0.00	46.16 1.20 0.00	48.07 1.22 0.00	42.65 1.05 0.00	42.72 0.86 0.00	42.55 0.69 0.00	43.65 0.77 0.00	45.20 0.78 0.00	54.97 1.49 0.00	65.06 1.64 0.00	70.41 2.10 0.00	62.57 2.06 0.00	64.42 2.16 0.00	52.46 1.69 0.00	52.91 1.65 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	46.51 -0.88 0.00	44.78 -0.90 0.00	44.93 -0.90 0.00	41.50 -0.79 0.00	40.14 -0.72 0.00	47.19 -0.93 0.00	63.94 -1.20 0.00	144.90 -2.75 0.00	101.27 -2.15 0.00	49.23 -0.98 0.00	44.12 -0.85 0.00	46.00 -0.86 0.00	40.89 -0.71 0.00	41.16 -0.70 0.00	41.14 -0.72 0.00	42.09 -0.79 0.00	43.61 -0.81 0.00	52.53 -0.95 0.00	62.31 -1.12 0.00	67.15 -1.16 0.00	59.44 -1.08 0.00	61.08 -1.18 0.00	49.76 -1.01 0.00	50.27 -0.98 0.00
HELLGATE_13_KV_LD 55870	49.83 2.44 0.00	48.00 2.32 0.00	48.14 2.31 0.00	44.29 2.00 0.00	42.78 1.92 0.00	50.45 2.34 0.00	68.45 3.31 0.00	156.73 9.09 0.00	108.90 5.48 0.00	53.01 2.81 0.00	47.63 2.67 0.00	49.87 3.02 0.00	44.19 2.59 0.00	44.74 2.89 0.00	44.79 2.92 0.00	45.73 2.85 0.00	47.25 2.83 0.00	56.43 2.96 0.00	67.27 3.85 0.00	72.04 3.74 0.00	63.41 2.90 0.00	65.60 3.34 0.00	53.60 2.83 0.00	53.86 2.60 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	49.83 2.44 0.00	48.00 2.32 0.00	48.14 2.31 0.00	44.29 2.00 0.00	42.78 1.92 0.00	50.45 2.34 0.00	68.45 3.31 0.00	156.73 9.09 0.00	108.90 5.48 0.00	53.01 2.81 0.00	47.63 2.67 0.00	49.87 3.02 0.00	44.19 2.59 0.00	44.74 2.89 0.00	44.79 2.92 0.00	45.73 2.85 0.00	47.25 2.83 0.00	56.43 2.96 0.00	67.27 3.85 0.00	72.04 3.74 0.00	63.41 2.90 0.00	65.60 3.34 0.00	53.60 2.83 0.00	53.86 2.60 0.00
HEMPSTEAD___ 23647	48.96 1.58 0.00	47.14 1.46 0.00	47.33 1.49 0.00	43.45 1.16 0.00	40.71 0.98 1.13	32.66 1.24 16.69	66.61 1.94 0.47	120.57 5.52 32.59	68.87 3.00 37.55	46.29 1.53 5.44	46.66 1.70 0.00	48.78 1.92 0.00	43.24 1.64 0.00	43.81 1.95 0.00	43.44 1.90 0.33	32.45 1.72 12.15	44.66 1.77 1.52	48.67 1.84 6.65	50.47 2.57 15.52	52.02 2.34 18.63	51.43 1.69 10.78	52.64 2.04 11.66	43.98 1.78 8.57	51.48 1.83 1.61
HICKLING___1 23621	47.22 -0.17 0.00	45.52 -0.16 0.00	45.64 -0.19 0.00	42.14 -0.15 0.00	40.93 0.06 0.00	47.93 -0.19 0.00	64.58 -0.56 0.00	146.01 -1.63 0.00	101.20 -2.22 0.00	49.47 -0.73 0.00	44.72 -0.25 0.00	46.66 -0.20 0.00	41.35 -0.25 0.00	41.46 -0.40 0.00	41.30 -0.56 0.00	42.00 -0.88 0.00	43.37 -1.04 0.00	52.57 -0.90 0.00	62.61 -0.81 0.00	67.96 -0.34 0.00	59.96 -0.55 0.00	61.82 -0.44 0.00	50.32 -0.46 0.00	51.30 0.05 0.00
HICKLING___2 23622	47.22 -0.17 0.00	45.52 -0.16 0.00	45.64 -0.19 0.00	42.14 -0.15 0.00	40.93 0.06 0.00	47.93 -0.19 0.00	64.58 -0.56 0.00	146.01 -1.63 0.00	101.20 -2.22 0.00	49.47 -0.73 0.00	44.72 -0.25 0.00	46.66 -0.20 0.00	41.35 -0.25 0.00	41.46 -0.40 0.00	41.30 -0.56 0.00	42.00 -0.88 0.00	43.37 -1.04 0.00	52.57 -0.90 0.00	62.61 -0.81 0.00	67.96 -0.34 0.00	59.96 -0.55 0.00	61.82 -0.44 0.00	50.32 -0.46 0.00	51.30 0.05 0.00
HIGH FALLS___HY 23754	49.60 2.21 0.00	47.82 2.13 0.00	48.01 2.18 0.00	44.14 1.85 0.00	42.54 1.68 0.00	50.23 2.12 0.00	68.32 3.18 0.00	156.26 8.62 0.00	108.52 5.11 0.00	52.39 2.19 0.00	46.82 1.85 0.00	48.97 2.11 0.00	43.41 1.81 0.00	43.73 1.87 0.00	43.76 1.90 0.00	44.96 2.08 0.00	46.60 2.18 0.00	55.83 2.36 0.00	66.61 3.19 0.00	71.46 3.16 0.00	63.02 2.51 0.00	65.45 3.19 0.00	53.41 2.64 0.00	53.73 2.47 0.00
HIGH_RIVER___SOLAR 323847	48.65 1.26 0.00	46.88 1.20 0.00	47.03 1.19 0.00	43.39 1.11 0.00	41.93 1.06 0.00	49.49 1.37 0.00	67.19 2.05 0.00	152.55 4.91 0.00	106.58 3.17 0.00	51.33 1.13 0.00	45.74 0.77 0.00	47.50 0.64 0.00	41.96 0.36 0.00	42.17 0.31 0.00	42.14 0.28 0.00	43.32 0.44 0.00	45.28 0.87 0.00	54.76 1.28 0.00	65.40 1.98 0.00	70.45 2.14 0.00	62.37 1.86 0.00	64.24 1.98 0.00	52.28 1.51 0.00	52.70 1.44 0.00
HILLBURN___GT 23639	49.22 1.84 0.00	47.42 1.74 0.00	47.56 1.73 0.00	43.73 1.44 0.00	42.28 1.42 0.00	49.98 1.86 0.00	67.93 2.79 0.00	155.32 7.68 0.00	107.83 4.41 0.00	52.23 2.03 0.00	46.84 1.87 0.00	49.02 2.17 0.00	43.39 1.79 0.00	43.97 2.11 0.00	44.04 2.18 0.00	44.98 2.10 0.00	46.53 2.11 0.00	55.77 2.29 0.00	66.53 3.10 0.00	71.26 2.95 0.00	62.73 2.22 0.00	64.81 2.55 0.00	52.86 2.09 0.00	53.24 1.98 0.00
HILLSIDE_115KV_TB1 80332	46.72 -0.67 0.00	45.05 -0.63 0.00	45.16 -0.67 0.00	41.72 -0.57 0.00	40.52 -0.35 0.00	47.40 -0.71 0.00	63.94 -1.20 0.00	144.45 -3.19 0.00	100.08 -3.33 0.00	48.89 -1.31 0.00	44.24 -0.73 0.00	46.13 -0.73 0.00	40.90 -0.70 0.00	41.11 -0.75 0.00	40.93 -0.94 0.00	41.62 -1.26 0.00	43.03 -1.39 0.00	51.97 -1.50 0.00	61.82 -1.60 0.00	67.11 -1.20 0.00	59.19 -1.32 0.00	61.02 -1.25 0.00	49.67 -1.10 0.00	50.62 -0.64 0.00

HISHELDN_WT_PWR 323625	46.36 -1.03 0.00	44.23 -1.45 0.00	44.36 -1.48 0.00	40.84 -1.45 0.00	39.56 -1.31 0.00	46.36 -1.75 0.00	61.46 -3.68 0.00	138.86 -8.79 0.00	96.76 -6.66 0.00	47.90 -2.30 0.00	43.63 -1.33 0.00	45.52 -1.34 0.00	40.34 -1.26 0.00	40.04 -1.75 0.06	39.56 -1.89 0.42	40.12 -2.22 0.54	41.22 -2.69 0.51	49.83 -2.68 0.96	59.62 -2.83 0.97	65.35 -2.56 0.40	57.87 -2.33 0.31	59.69 -2.04 0.53	48.00 -1.55 1.22	49.78 -0.61 0.86
HOLTSVILLE_IC_1 23690	48.31 0.92 0.00	46.50 0.82 0.00	46.73 0.89 0.00	42.89 0.60 0.00	38.74 0.38 2.51	11.65 0.50 36.97	51.46 1.04 14.72	81.71 3.65 69.57	34.57 1.99 70.83	39.36 1.17 12.01	46.38 1.41 0.00	39.90 1.26 8.21	16.11 1.06 26.56	-2.62 1.40 45.89	23.04 1.29 20.12	17.14 1.08 26.83	42.26 1.21 3.36	39.80 1.01 14.68	30.80 1.65 34.27	28.54 1.35 41.12	37.66 0.94 23.79	37.70 1.18 25.74	32.73 0.87 18.91	44.24 0.95 7.97
HOLTSVILLE_IC_10 23699	48.50 1.11 0.00	46.67 0.99 0.00	46.89 1.05 0.00	43.04 0.75 0.00	38.92 0.53 2.47	12.39 0.66 36.39	54.33 1.30 12.11	85.03 4.28 66.89	35.93 2.40 69.88	39.74 1.38 11.85	46.55 1.59 0.00	40.38 1.43 7.90	17.26 1.21 25.56	-0.74 1.56 44.16	23.94 1.45 19.38	17.66 1.24 26.46	42.50 1.40 3.32	40.25 1.26 14.48	31.59 1.97 33.80	29.44 1.70 40.56	38.29 1.24 23.47	38.35 1.48 25.39	33.21 1.09 18.66	44.68 1.18 7.75
HOLTSVILLE_IC_2 23691	48.31 0.92 0.00	46.50 0.82 0.00	46.73 0.89 0.00	42.89 0.60 0.00	38.74 0.38 2.51	11.65 0.50 36.97	51.46 1.04 14.72	81.71 3.65 69.57	34.57 1.99 70.83	39.36 1.17 12.01	46.38 1.41 0.00	39.90 1.26 8.21	16.11 1.06 26.56	-2.62 1.40 45.89	23.04 1.29 20.12	17.14 1.08 26.83	42.26 1.21 3.36	39.80 1.01 14.68	30.80 1.65 34.27	28.54 1.35 41.12	37.66 0.94 23.79	37.70 1.18 25.74	32.73 0.87 18.91	44.24 0.95 7.97
HOLTSVILLE_IC_3 23692	48.31 0.92 0.00	46.50 0.82 0.00	46.73 0.89 0.00	42.89 0.60 0.00	38.74 0.38 2.51	11.65 0.50 36.97	51.46 1.04 14.72	81.71 3.65 69.57	34.57 1.99 70.83	39.36 1.17 12.01	46.38 1.41 0.00	39.90 1.26 8.21	16.11 1.06 26.56	-2.62 1.40 45.89	23.04 1.29 20.12	17.14 1.08 26.83	42.26 1.21 3.36	39.80 1.01 14.68	30.80 1.65 34.27	28.54 1.35 41.12	37.66 0.94 23.79	37.70 1.18 25.74	32.73 0.87 18.91	44.24 0.95 7.97
HOLTSVILLE_IC_4 23693	48.31 0.92 0.00	46.50 0.82 0.00	46.73 0.89 0.00	42.89 0.60 0.00	38.74 0.38 2.51	11.65 0.50 36.97	51.46 1.04 14.72	81.71 3.65 69.57	34.57 1.99 70.83	39.36 1.17 12.01	46.38 1.41 0.00	39.90 1.26 8.21	16.11 1.06 26.56	-2.62 1.40 45.89	23.04 1.29 20.12	17.14 1.08 26.83	42.26 1.21 3.36	39.80 1.01 14.68	30.80 1.65 34.27	28.54 1.35 41.12	37.66 0.94 23.79	37.70 1.18 25.74	32.73 0.87 18.91	44.24 0.95 7.97
HOLTSVILLE_IC_5 23694	48.31 0.92 0.00	46.50 0.82 0.00	46.73 0.89 0.00	42.89 0.60 0.00	38.74 0.38 2.51	11.65 0.50 36.97	51.46 1.04 14.72	81.71 3.65 69.57	34.57 1.99 70.83	39.36 1.17 12.01	46.38 1.41 0.00	39.90 1.26 8.21	16.11 1.06 26.56	-2.62 1.40 45.89	23.04 1.29 20.12	17.14 1.08 26.83	42.26 1.21 3.36	39.80 1.01 14.68	30.80 1.65 34.27	28.54 1.35 41.12	37.66 0.94 23.79	37.70 1.18 25.74	32.73 0.87 18.91	44.24 0.95 7.97
HOLTSVILLE_IC_6 23695	48.50 1.11 0.00	46.67 0.99 0.00	46.89 1.05 0.00	43.04 0.75 0.00	38.92 0.53 2.47	12.39 0.66 36.39	54.33 1.30 12.11	85.03 4.28 66.89	35.93 2.40 69.88	39.74 1.38 11.85	46.55 1.59 0.00	40.38 1.43 7.90	17.26 1.21 25.56	-0.74 1.56 44.16	23.94 1.45 19.38	17.66 1.24 26.46	42.50 1.40 3.32	40.25 1.26 14.48	31.59 1.97 33.80	29.44 1.70 40.56	38.29 1.24 23.47	38.35 1.48 25.39	33.21 1.09 18.66	44.68 1.18 7.75
HOLTSVILLE_IC_7 23696	48.50 1.11 0.00	46.67 0.99 0.00	46.89 1.05 0.00	43.04 0.75 0.00	38.92 0.53 2.47	12.39 0.66 36.39	54.33 1.30 12.11	85.03 4.28 66.89	35.93 2.40 69.88	39.74 1.38 11.85	46.55 1.59 0.00	40.38 1.43 7.90	17.26 1.21 25.56	-0.74 1.56 44.16	23.94 1.45 19.38	17.66 1.24 26.46	42.50 1.40 3.32	40.25 1.26 14.48	31.59 1.97 33.80	29.44 1.70 40.56	38.29 1.24 23.47	38.35 1.48 25.39	33.21 1.09 18.66	44.68 1.18 7.75
HOLTSVILLE_IC_8 23697	48.50 1.11 0.00	46.67 0.99 0.00	46.89 1.05 0.00	43.04 0.75 0.00	38.92 0.53 2.47	12.39 0.66 36.39	54.33 1.30 12.11	85.03 4.28 66.89	35.93 2.40 69.88	39.74 1.38 11.85	46.55 1.59 0.00	40.38 1.43 7.90	17.26 1.21 25.56	-0.74 1.56 44.16	23.94 1.45 19.38	17.66 1.24 26.46	42.50 1.40 3.32	40.25 1.26 14.48	31.59 1.97 33.80	29.44 1.70 40.56	38.29 1.24 23.47	38.35 1.48 25.39	33.21 1.09 18.66	44.68 1.18 7.75
HOLTSVILLE_IC_9 23698	48.50 1.11 0.00	46.67 0.99 0.00	46.89 1.05 0.00	43.04 0.75 0.00	38.92 0.53 2.47	12.39 0.66 36.39	54.33 1.30 12.11	85.03 4.28 66.89	35.93 2.40 69.88	39.74 1.38 11.85	46.55 1.59 0.00	40.38 1.43 7.90	17.26 1.21 25.56	-0.74 1.56 44.16	23.94 1.45 19.38	17.66 1.24 26.46	42.50 1.40 3.32	40.25 1.26 14.48	31.59 1.97 33.80	29.44 1.70 40.56	38.29 1.24 23.47	38.35 1.48 25.39	33.21 1.09 18.66	44.68 1.18 7.75
HOMER_HL_115KV_TB2 355744	47.26 -0.12 0.00	45.18 -0.50 0.00	45.24 -0.60 0.00	41.71 -0.58 0.00	40.57 -0.30 0.00	47.30 -0.82 0.00	62.99 -2.15 0.00	142.66 -4.98 0.00	98.74 -4.68 0.00	48.94 -1.27 0.00	44.74 -0.22 0.00	46.73 -0.12 0.00	41.30 -0.30 0.00	41.41 -0.45 0.00	41.16 -0.71 0.00	41.38 -1.50 0.00	42.25 -2.16 0.00	51.51 -1.97 0.00	61.61 -1.81 0.00	66.53 -1.78 0.00	58.82 -1.69 0.00	60.96 -1.30 0.00	49.89 -0.88 0.00	51.20 -0.06 0.00
HOWARD_WT_PWR 323690	45.78 -1.61 0.00	44.37 -1.31 0.00	44.75 -1.08 0.00	41.28 -1.01 0.00	39.83 -1.03 0.00	46.80 -1.32 0.00	62.60 -2.55 0.00	141.80 -5.84 0.00	98.64 -4.78 0.00	48.53 -1.67 0.00	43.81 -1.16 0.00	45.73 -1.13 0.00	40.34 -1.26 0.00	39.94 -2.00 -0.08	40.69 -1.69 -0.52	40.87 -2.06 -0.05	42.41 -2.00 0.00	51.94 -1.54 0.00	62.03 -1.39 0.00	67.58 -0.73 0.00	59.69 -0.83 0.00	61.74 -0.52 0.00	50.36 -0.41 0.00	51.64 0.38 0.00
HQ_GEN_CEDARS 23644	49.05 1.67 0.00	47.13 1.45 0.00	47.21 1.37 0.00	43.51 1.22 0.00	42.11 1.25 0.00	49.66 1.55 0.00	67.18 2.04 0.00	152.13 4.49 0.00	525.46 3.94 -418.11	52.11 1.91 0.00	46.67 1.70 0.00	48.62 1.76 0.00	43.15 1.55 0.00	43.18 1.32 0.00	42.97 1.11 0.00	43.95 1.07 0.00	45.42 1.01 0.00	54.93 1.45 0.00	65.15 1.73 0.00	70.37 2.06 0.00	62.47 1.96 0.00	64.33 2.07 0.00	52.45 1.68 0.00	52.99 1.73 0.00
HQ_GEN_CEDARS_PROXY 323590	49.05 1.67 0.00	47.12 1.45 0.00	47.20 1.37 0.00	43.51 1.22 0.00	42.12 1.25 0.00	49.57 1.55 0.09	72.58 2.04 -5.40	152.13 4.49 0.00	525.46 3.94 -418.11	52.11 1.91 0.00	46.66 1.70 0.00	48.61 1.76 0.00	43.14 1.55 0.00	43.18 1.32 0.00	42.97 1.11 0.00	43.95 1.06 0.00	44.80 1.01 0.62	54.93 1.45 0.00	65.14 1.73 0.00	70.37 2.06 0.00	62.47 1.96 0.00	64.33 2.07 0.00	50.29 1.68 2.16	53.00 1.74 0.00

HQ_GEN_IMPORT 323601	47.64 0.55 0.30	46.15 0.47 0.00	46.27 0.43 0.00	42.67 0.37 0.00	41.28 0.39 -0.03	43.16 0.50 5.46	65.76 0.62 0.00	149.08 1.44 0.00	76.35 1.32 28.38	51.02 0.74 -0.08	45.61 0.64 0.00	47.47 0.61 0.00	42.16 0.56 0.00	42.34 0.48 0.00	42.25 0.39 0.00	43.26 0.38 0.00	44.76 0.35 0.00	54.01 0.54 0.00	64.92 0.60 -0.90	70.26 0.69 -1.25	61.15 0.64 0.00	62.96 0.70 0.00	47.92 0.56 3.41	51.86 0.60 0.00
HQ_GEN_WHEEL 23651	47.64 0.55 0.30	46.15 0.47 0.00	46.27 0.43 0.00	42.67 0.37 0.00	41.28 0.39 -0.03	43.16 0.50 5.46	65.76 0.62 0.00	149.08 1.44 0.00	76.35 1.32 28.38	51.02 0.74 -0.08	45.61 0.64 0.00	47.47 0.61 0.00	42.16 0.56 0.00	42.34 0.48 0.00	42.25 0.39 0.00	43.26 0.38 0.00	44.76 0.35 0.00	54.01 0.54 0.00	64.92 0.60 -0.90	70.26 0.69 -1.25	61.15 0.64 0.00	62.96 0.70 0.00	47.92 0.56 3.41	51.86 0.60 0.00
HUDSON AVE_GT_3 23810	49.55 2.16 0.00	47.74 2.06 0.00	47.86 2.03 0.00	44.02 1.73 0.00	42.53 1.66 0.00	50.21 2.10 0.00	68.12 2.98 0.00	155.92 8.27 0.00	108.31 4.89 0.00	52.69 2.49 0.00	47.32 2.35 0.00	49.54 2.69 0.00	43.88 2.28 0.00	44.44 2.58 0.00	44.47 2.61 0.00	45.44 2.56 0.00	46.97 2.56 0.00	56.15 2.68 0.00	66.92 3.50 0.00	71.67 3.36 0.00	63.09 2.57 0.00	65.20 2.94 0.00	53.23 2.46 0.00	53.52 2.26 0.00
HUDSON AVE_GT_4 23540	49.55 2.16 0.00	47.74 2.06 0.00	47.86 2.03 0.00	44.02 1.73 0.00	42.53 1.66 0.00	50.21 2.10 0.00	68.12 2.98 0.00	155.92 8.27 0.00	108.31 4.89 0.00	52.69 2.49 0.00	47.32 2.35 0.00	49.54 2.69 0.00	43.88 2.28 0.00	44.44 2.58 0.00	44.47 2.61 0.00	45.44 2.56 0.00	46.97 2.56 0.00	56.15 2.68 0.00	66.92 3.50 0.00	71.67 3.36 0.00	63.09 2.57 0.00	65.20 2.94 0.00	53.23 2.46 0.00	53.52 2.26 0.00
HUDSON AVE_GT_5 23657	49.55 2.16 0.00	47.74 2.06 0.00	47.86 2.03 0.00	44.02 1.73 0.00	42.53 1.66 0.00	50.21 2.10 0.00	68.12 2.98 0.00	155.92 8.27 0.00	108.31 4.89 0.00	52.69 2.49 0.00	47.32 2.35 0.00	49.54 2.69 0.00	43.88 2.28 0.00	44.44 2.58 0.00	44.47 2.61 0.00	45.44 2.56 0.00	46.97 2.56 0.00	56.15 2.68 0.00	66.92 3.50 0.00	71.67 3.36 0.00	63.09 2.57 0.00	65.20 2.94 0.00	53.23 2.46 0.00	53.52 2.26 0.00
HUDSON_AVE_10 24168	49.34 1.95 0.00	47.53 1.85 0.00	47.65 1.82 0.00	43.83 1.54 0.00	42.33 1.47 0.00	49.99 1.87 0.00	67.83 2.68 0.00	155.26 7.62 0.00	107.83 4.42 0.00	52.44 2.24 0.00	47.11 2.15 0.00	49.33 2.47 0.00	43.69 2.09 0.00	44.23 2.37 0.00	44.29 2.42 0.00	45.24 2.36 0.00	46.76 2.35 0.00	55.88 2.41 0.00	66.63 3.21 0.00	71.35 3.04 0.00	62.80 2.29 0.00	64.93 2.67 0.00	52.99 2.22 0.00	53.23 1.98 0.00
HUDSON___115KV_TB 4 355613	48.12 0.73 0.00	46.53 0.85 0.00	46.72 0.88 0.00	43.12 0.83 0.00	42.40 1.54 0.00	50.50 2.38 0.00	68.71 3.57 0.00	156.03 8.39 0.00	109.26 5.84 0.00	52.51 2.31 0.00	46.28 1.32 0.00	48.00 1.15 0.00	42.73 1.13 0.00	43.02 1.16 0.00	43.04 1.17 0.00	44.40 1.52 0.00	45.53 1.11 0.00	54.79 1.31 0.00	65.13 1.71 0.00	70.00 1.69 0.00	62.01 1.50 0.00	63.64 1.38 0.00	51.83 1.06 0.00	52.17 0.91 0.00
HUNTER MOUNT___DRP 323613	48.22 0.84 0.00	46.62 0.94 0.00	46.82 0.99 0.00	43.22 0.93 0.00	42.28 1.41 0.00	50.20 2.08 0.00	68.28 3.13 0.00	154.98 7.34 0.00	108.55 5.14 0.00	52.16 1.95 0.00	46.08 1.11 0.00	47.93 1.07 0.00	42.57 0.98 0.00	42.81 0.95 0.00	42.97 1.10 0.00	44.36 1.48 0.00	45.70 1.28 0.00	55.04 1.56 0.00	65.38 1.96 0.00	70.27 1.96 0.00	62.29 1.78 0.00	63.84 1.58 0.00	51.98 1.21 0.00	52.32 1.06 0.00
HUNTINGTON_RES_REC 323705	48.43 1.04 0.00	46.63 0.95 0.00	46.86 1.02 0.00	42.98 0.69 0.00	38.88 0.47 2.46	13.02 0.60 35.69	68.48 1.16 -2.18	95.48 3.74 55.89	35.72 1.74 69.44	39.42 0.99 11.77	46.29 1.33 0.00	33.38 1.44 14.91	-5.42 1.20 48.22	-39.94 1.52 83.32	7.34 1.40 35.93	17.68 1.09 26.29	42.28 1.16 3.30	40.17 1.08 14.39	31.57 1.74 33.58	29.44 1.43 40.30	38.15 0.96 23.32	38.26 1.23 25.23	33.24 1.00 18.54	40.92 1.16 11.50
HUNTLEY___63 23557	46.60 -0.78 0.00	44.15 -1.53 0.00	44.26 -1.58 0.00	40.73 -1.56 0.00	39.50 -1.37 0.00	46.21 -1.91 0.00	60.74 -4.40 0.00	137.07 -10.57 0.00	95.80 -7.61 0.00	47.83 -2.37 0.00	44.00 -0.96 0.00	45.98 -0.87 0.00	40.97 -0.63 0.00	40.75 -1.10 0.00	40.26 -1.61 0.00	40.75 -2.14 0.00	41.63 -2.79 0.00	50.42 -3.06 0.00	60.05 -3.37 0.00	65.04 -3.27 0.00	57.63 -2.88 0.00	59.67 -2.59 0.00	48.83 -1.94 0.00	50.38 -0.88 0.00
HUNTLEY___64 23558	46.60 -0.78 0.00	44.15 -1.53 0.00	44.26 -1.58 0.00	40.73 -1.56 0.00	39.50 -1.37 0.00	46.21 -1.91 0.00	60.74 -4.40 0.00	137.07 -10.57 0.00	95.80 -7.61 0.00	47.83 -2.37 0.00	44.00 -0.96 0.00	45.98 -0.87 0.00	40.97 -0.63 0.00	40.75 -1.10 0.00	40.26 -1.61 0.00	40.75 -2.14 0.00	41.63 -2.79 0.00	50.42 -3.06 0.00	60.05 -3.37 0.00	65.04 -3.27 0.00	57.63 -2.88 0.00	59.67 -2.59 0.00	48.83 -1.94 0.00	50.38 -0.88 0.00
HUNTLEY___65 23559	46.60 -0.78 0.00	44.15 -1.53 0.00	44.26 -1.58 0.00	40.73 -1.56 0.00	39.50 -1.37 0.00	46.21 -1.91 0.00	60.74 -4.40 0.00	137.07 -10.57 0.00	95.80 -7.61 0.00	47.83 -2.37 0.00	44.00 -0.96 0.00	45.98 -0.87 0.00	40.97 -0.63 0.00	40.75 -1.10 0.00	40.26 -1.61 0.00	40.75 -2.14 0.00	41.63 -2.79 0.00	50.42 -3.06 0.00	60.05 -3.37 0.00	65.04 -3.27 0.00	57.63 -2.88 0.00	59.67 -2.59 0.00	48.83 -1.94 0.00	50.38 -0.88 0.00
HUNTLEY___66 23560	46.60 -0.78 0.00	44.15 -1.53 0.00	44.26 -1.58 0.00	40.73 -1.56 0.00	39.50 -1.37 0.00	46.21 -1.91 0.00	60.74 -4.40 0.00	137.07 -10.57 0.00	95.80 -7.61 0.00	47.83 -2.37 0.00	44.00 -0.96 0.00	45.98 -0.87 0.00	40.97 -0.63 0.00	40.75 -1.10 0.00	40.26 -1.61 0.00	40.75 -2.14 0.00	41.63 -2.79 0.00	50.42 -3.06 0.00	60.05 -3.37 0.00	65.04 -3.27 0.00	57.63 -2.88 0.00	59.67 -2.59 0.00	48.83 -1.94 0.00	50.38 -0.88 0.00
HUNTLEY___67 23561	46.28 -1.11 0.00	43.91 -1.77 0.00	44.01 -1.83 0.00	40.52 -1.77 0.00	39.29 -1.58 0.00	45.95 -2.16 0.00	60.57 -4.57 0.00	136.74 -10.91 0.00	95.49 -7.92 0.00	47.61 -2.59 0.00	43.76 -1.21 0.00	45.70 -1.16 0.00	40.68 -0.92 0.00	40.49 -1.38 0.00	40.03 -1.84 0.00	40.52 -2.36 0.00	41.39 -3.02 0.00	50.19 -3.29 0.00	59.79 -3.63 0.00	64.81 -3.50 0.00	57.42 -3.09 0.00	59.48 -2.78 0.00	48.65 -2.12 0.00	50.16 -1.10 0.00
HUNTLEY___68 23562	46.28 -1.11 0.00	43.91 -1.77 0.00	44.01 -1.83 0.00	40.52 -1.77 0.00	39.29 -1.58 0.00	45.95 -2.16 0.00	60.57 -4.57 0.00	136.74 -10.91 0.00	95.49 -7.92 0.00	47.61 -2.59 0.00	43.76 -1.21 0.00	45.70 -1.16 0.00	40.68 -0.92 0.00	40.49 -1.38 0.00	40.03 -1.84 0.00	40.52 -2.36 0.00	41.39 -3.02 0.00	50.19 -3.29 0.00	59.79 -3.63 0.00	64.81 -3.50 0.00	57.42 -3.09 0.00	59.48 -2.78 0.00	48.65 -2.12 0.00	50.16 -1.10 0.00



HYLAND___LFGE 323620	48.86 1.47 0.00	46.69 1.02 0.00	46.90 1.06 0.00	43.22 0.93 0.00	41.96 1.09 0.00	49.35 1.23 0.00	66.39 1.25 0.00	151.08 3.44 0.00	105.10 1.68 0.00	51.21 1.01 0.00	45.24 0.27 0.00	47.81 0.96 0.00	41.94 0.34 0.00	41.62 -0.24 0.00	42.04 0.18 0.00	42.44 -0.44 0.00	44.34 -0.07 0.00	54.70 1.23 0.00	65.45 2.03 0.00	71.04 2.73 0.00	62.88 2.37 0.00	64.70 2.44 0.00	52.57 1.80 0.00	53.59 2.33 0.00
INDECK___CORINTH 23802	48.33 0.94 0.00	46.75 1.06 0.00	46.77 0.93 0.00	43.29 1.00 0.00	41.96 1.10 0.00	49.56 1.44 0.00	67.27 2.13 0.00	151.74 4.10 0.00	106.25 2.83 0.00	51.01 0.81 0.00	45.59 0.62 0.00	47.72 0.87 0.00	42.32 0.72 0.00	42.42 0.56 0.00	42.85 0.98 0.00	44.08 1.20 0.00	45.71 1.30 0.00	55.19 1.71 0.00	65.45 2.03 0.00	70.53 2.21 0.00	62.45 1.94 0.00	63.77 1.51 0.00	51.88 1.11 0.00	52.32 1.06 0.00
INDECK___ILION 23567	48.25 0.87 0.00	46.61 0.92 0.00	46.77 0.94 0.00	43.17 0.89 0.00	41.77 0.90 0.00	49.14 1.02 0.00	66.73 1.59 0.00	151.30 3.65 0.00	105.56 2.14 0.00	50.90 0.70 0.00	45.49 0.53 0.00	47.31 0.46 0.00	41.76 0.16 0.00	42.06 0.20 0.00	42.11 0.24 0.00	43.45 0.57 0.00	45.12 0.71 0.00	54.44 0.96 0.00	64.87 1.45 0.00	69.90 1.60 0.00	61.92 1.41 0.00	63.70 1.44 0.00	51.86 1.09 0.00	52.26 1.00 0.00
INDECK___OLEAN 23982	47.27 -0.12 0.00	45.17 -0.51 0.00	45.23 -0.60 0.00	41.71 -0.58 0.00	40.57 -0.30 0.00	47.28 -0.83 0.00	62.98 -2.16 0.00	142.64 -5.00 0.00	98.73 -4.69 0.00	48.93 -1.27 0.00	44.74 -0.22 0.00	46.73 -0.13 0.00	41.29 -0.31 0.00	41.16 -0.45 0.25	39.46 -0.72 1.69	39.55 -1.49 1.84	40.62 -2.09 1.71	48.33 -1.95 3.20	58.39 -1.79 3.24	65.21 -1.77 1.33	57.80 -1.68 1.03	59.24 -1.27 1.75	45.85 -0.86 4.06	48.35 -0.04 2.88
INDECK___OSWEGO 23783	46.03 -1.36 0.00	44.31 -1.38 0.00	44.42 -1.41 0.00	41.06 -1.23 0.00	39.70 -1.16 0.00	46.72 -1.88 0.00	63.33 -4.35 0.00	143.57 -10.46 -10.51	110.94 -2.98 0.00	48.78 -1.42 0.00	43.70 -1.26 0.00	45.50 -1.36 0.00	40.45 -1.15 0.00	40.67 -1.19 0.00	40.63 -1.23 0.00	41.57 -1.32 0.00	43.10 -1.31 0.00	52.00 -1.47 0.00	61.67 -1.75 0.00	66.48 -1.83 0.00	58.89 -1.62 0.00	60.51 -1.75 0.00	49.32 -1.45 0.00	49.80 -1.46 0.00
INDECK___YERKES 23781	46.65 -0.74 0.00	44.19 -1.49 0.00	44.29 -1.54 0.00	40.77 -1.52 0.00	39.54 -1.33 0.00	46.23 -1.88 0.00	60.79 -4.35 0.00	137.18 -10.46 0.00	95.83 -7.59 0.00	47.84 -2.36 0.00	44.05 -0.92 0.00	46.02 -0.84 0.00	40.99 -0.61 0.00	40.64 -1.07 0.15	39.28 -1.58 1.01	39.55 -2.09 1.24	40.59 -2.66 1.16	48.29 -3.01 2.18	57.92 -3.29 2.21	64.20 -3.20 0.90	56.98 -2.84 0.70	58.57 -2.49 1.19	46.11 -1.89 2.77	48.48 -0.82 1.96
INDIAN POINT_GT_1 24139	49.12 1.74 0.00	47.34 1.66 0.00	47.50 1.66 0.00	43.68 1.39 0.00	42.20 1.34 0.00	49.85 1.74 0.00	67.69 2.55 0.00	154.72 7.08 0.00	107.48 4.06 0.00	52.13 1.93 0.00	46.78 1.81 0.00	48.94 2.08 0.00	43.33 1.73 0.00	43.90 2.04 0.00	43.96 2.10 0.00	44.92 2.04 0.00	46.46 2.04 0.00	55.64 2.16 0.00	66.33 2.91 0.00	71.07 2.77 0.00	62.59 2.07 0.00	64.67 2.41 0.00	52.78 2.01 0.00	53.13 1.87 0.00
INDIAN POINT_GT_2 23659	49.12 1.74 0.00	47.34 1.66 0.00	47.50 1.66 0.00	43.68 1.39 0.00	42.20 1.34 0.00	49.85 1.74 0.00	67.69 2.55 0.00	154.72 7.08 0.00	107.48 4.06 0.00	52.13 1.93 0.00	46.78 1.81 0.00	48.94 2.08 0.00	43.33 1.73 0.00	43.90 2.04 0.00	43.96 2.10 0.00	44.92 2.04 0.00	46.46 2.04 0.00	55.64 2.16 0.00	66.33 2.91 0.00	71.07 2.77 0.00	62.59 2.07 0.00	64.67 2.41 0.00	52.78 2.01 0.00	53.13 1.87 0.00
INDIAN POINT_GT_3 24019	49.12 1.74 0.00	47.34 1.66 0.00	47.50 1.66 0.00	43.68 1.39 0.00	42.20 1.34 0.00	49.85 1.74 0.00	67.69 2.55 0.00	154.72 7.08 0.00	107.48 4.06 0.00	52.13 1.93 0.00	46.78 1.81 0.00	48.94 2.08 0.00	43.33 1.73 0.00	43.90 2.04 0.00	43.96 2.10 0.00	44.92 2.04 0.00	46.46 2.04 0.00	55.64 2.16 0.00	66.33 2.91 0.00	71.07 2.77 0.00	62.59 2.07 0.00	64.67 2.41 0.00	52.78 2.01 0.00	53.13 1.87 0.00
INDIAN POINT___2 23530	49.09 1.71 0.00	47.32 1.64 0.00	47.46 1.63 0.00	43.64 1.36 0.00	42.18 1.31 0.00	49.82 1.71 0.00	67.65 2.51 0.00	154.68 7.03 0.00	107.44 4.02 0.00	52.08 1.88 0.00	46.74 1.77 0.00	48.90 2.04 0.00	43.29 1.70 0.00	43.86 1.99 0.00	43.93 2.06 0.00	44.88 1.99 0.00	46.41 2.00 0.00	55.59 2.12 0.00	66.30 2.88 0.00	71.02 2.72 0.00	62.54 2.03 0.00	64.63 2.37 0.00	52.73 1.96 0.00	53.10 1.84 0.00
INDIAN POINT___3 23531	49.08 1.69 0.00	47.31 1.63 0.00	47.47 1.63 0.00	43.66 1.37 0.00	42.18 1.32 0.00	49.82 1.71 0.00	67.65 2.51 0.00	154.61 6.97 0.00	107.41 3.99 0.00	52.10 1.89 0.00	46.74 1.78 0.00	48.91 2.05 0.00	43.30 1.71 0.00	43.86 2.00 0.00	43.93 2.07 0.00	44.89 2.01 0.00	46.43 2.02 0.00	55.59 2.12 0.00	66.28 2.86 0.00	71.03 2.72 0.00	62.54 2.03 0.00	64.62 2.36 0.00	52.74 1.97 0.00	53.10 1.84 0.00
INGHAM_C_115KV_TB7 356103	49.43 2.05 0.00	47.82 2.14 0.00	48.01 2.17 0.00	44.33 2.04 0.00	42.95 2.08 0.00	50.45 2.34 0.00	68.73 3.59 0.00	155.85 8.20 0.00	108.26 4.85 0.00	51.86 1.66 0.00	46.19 1.22 0.00	47.88 1.03 0.00	41.95 0.35 0.00	42.24 0.37 0.00	42.35 0.48 0.00	44.10 1.21 0.00	45.97 1.56 0.00	55.65 2.17 0.00	66.72 3.30 0.00	71.92 3.61 0.00	63.73 3.22 0.00	65.55 3.29 0.00	53.26 2.49 0.00	53.58 2.32 0.00
IP CORINTH___1 23988	48.58 1.19 0.00	46.98 1.30 0.00	47.01 1.17 0.00	43.51 1.23 0.00	42.18 1.31 0.00	49.82 1.70 0.00	67.64 2.50 0.00	152.59 4.95 0.00	106.84 3.43 0.00	51.31 1.11 0.00	45.84 0.88 0.00	47.98 1.13 0.00	42.53 0.94 0.00	42.64 0.78 0.00	43.07 1.20 0.00	44.31 1.43 0.00	45.96 1.55 0.00	55.50 2.03 0.00	65.82 2.39 0.00	70.92 2.61 0.00	62.81 2.31 0.00	64.14 1.88 0.00	52.18 1.41 0.00	52.61 1.35 0.00
IP___TICONDEROGA 23804	50.28 2.90 0.00	48.84 3.17 0.00	48.92 3.08 0.00	45.29 3.00 0.00	44.05 3.18 0.00	52.44 4.32 0.00	71.69 6.55 0.00	161.22 13.58 0.00	112.63 9.22 0.00	53.74 3.53 0.00	48.08 3.11 0.00	50.71 3.86 0.00	45.25 3.65 0.00	44.89 3.03 0.00	45.56 3.70 0.00	46.85 3.97 0.00	48.62 4.21 0.00	59.06 5.59 0.00	69.98 6.56 0.00	75.83 7.52 0.00	66.96 6.44 0.00	67.65 5.39 0.00	54.44 3.67 0.00	54.96 3.70 0.00
ISLIP_RES_REC 323679	48.65 1.26 0.00	46.80 1.12 0.00	47.02 1.19 0.00	43.16 0.87 0.00	39.07 0.65 2.45	12.90 0.83 36.04	54.92 1.55 11.76	86.36 4.85 66.13	36.98 2.81 69.25	40.03 1.57 11.74	46.71 1.74 0.00	41.41 1.59 7.03	20.22 1.36 22.73	4.29 1.71 39.28	26.14 1.59 17.31	18.06 1.40 26.22	42.70 1.57 3.29	40.61 1.48 14.35	32.18 2.24 33.49	30.11 1.98 40.18	38.75 1.49 23.25	38.81 1.71 25.16	33.55 1.26 18.48	45.35 1.34 7.25

JAMAICA__27_KV_LOAD 355505	49.50 2.12 0.00	47.68 2.00 0.00	47.77 1.94 0.00	43.92 1.63 0.00	42.45 1.59 0.00	50.13 2.02 0.00	67.97 2.83 0.00	155.70 8.05 0.00	108.11 4.70 0.00	52.56 2.36 0.00	47.25 2.28 0.00	49.48 2.63 0.00	43.83 2.23 0.00	44.37 2.51 0.00	44.44 2.58 0.00	45.43 2.55 0.00	46.96 2.54 0.00	56.08 2.60 0.00	66.91 3.48 0.00	71.62 3.31 0.00	63.04 2.52 0.00	65.25 2.99 0.00	53.24 2.47 0.00	53.35 2.10 0.00
JANIS__SOLAR 323808	48.93 1.54 0.00	47.05 1.37 0.00	47.17 1.33 0.00	43.53 1.24 0.00	42.27 1.40 0.00	49.79 1.67 0.00	67.80 2.66 0.00	154.22 6.58 0.00	107.08 3.66 0.00	51.44 1.23 0.00	45.66 0.69 0.00	47.42 0.56 0.00	42.22 0.62 0.00	42.40 0.50 -0.04	42.45 0.29 -0.30	43.59 0.34 -0.36	45.80 1.05 -0.34	55.68 1.57 -0.63	66.42 2.35 -0.64	71.38 2.81 -0.26	63.11 2.40 -0.20	64.89 2.29 -0.35	53.24 1.67 -0.80	53.54 1.71 -0.57
JARVIS____ 23743	47.40 0.01 0.00	45.73 0.05 0.00	45.90 0.07 0.00	42.37 0.08 0.00	40.94 0.07 0.00	48.17 0.05 0.00	65.26 0.12 0.00	147.94 0.30 0.00	103.52 0.10 0.00	50.17 -0.04 0.00	44.93 -0.03 0.00	46.81 -0.04 0.00	41.56 -0.04 0.00	41.85 -0.01 0.00	41.91 0.04 0.00	42.95 0.07 0.00	44.51 0.10 0.00	53.55 0.07 0.00	63.54 0.12 0.00	68.40 0.09 0.00	60.59 0.08 0.00	62.33 0.07 0.00	50.82 0.05 0.00	51.31 0.05 0.00
JENNISON____1 23625	48.90 1.51 0.00	47.02 1.34 0.00	47.23 1.39 0.00	43.53 1.24 0.00	42.31 1.44 0.00	49.82 1.71 0.00	67.85 2.71 0.00	154.63 6.99 0.00	107.43 4.01 0.00	51.81 1.61 0.00	46.33 1.37 0.00	48.13 1.27 0.00	42.65 1.05 0.00	42.87 1.01 0.00	42.38 0.51 0.00	43.64 0.76 0.00	45.46 1.05 0.00	54.73 1.26 0.00	65.52 2.10 0.00	71.14 2.83 0.00	62.91 2.40 0.00	64.53 2.27 0.00	52.36 1.59 0.00	52.77 1.51 0.00
JENNISON____2 23626	48.90 1.51 0.00	47.02 1.34 0.00	47.23 1.39 0.00	43.53 1.24 0.00	42.31 1.44 0.00	49.82 1.71 0.00	67.85 2.71 0.00	154.63 6.99 0.00	107.43 4.01 0.00	51.81 1.61 0.00	46.33 1.37 0.00	48.13 1.27 0.00	42.65 1.05 0.00	42.87 1.01 0.00	42.38 0.51 0.00	43.64 0.76 0.00	45.46 1.05 0.00	54.73 1.26 0.00	65.52 2.10 0.00	71.14 2.83 0.00	62.91 2.40 0.00	64.53 2.27 0.00	52.36 1.59 0.00	52.77 1.51 0.00
JERICOHO_RISE_WT_PWR 323719	48.42 1.03 0.00	46.62 0.94 0.00	46.74 0.90 0.00	43.10 0.81 0.00	41.73 0.86 0.00	49.23 1.11 0.00	66.41 1.27 0.00	150.50 2.86 0.00	129.83 2.84 -23.57	51.61 1.41 0.00	46.14 1.17 0.00	47.78 0.93 0.00	42.48 0.88 0.00	42.59 0.72 0.00	42.46 0.59 0.00	43.59 0.71 0.00	45.03 0.61 0.00	54.46 0.99 0.00	64.54 1.12 0.00	69.47 1.16 0.00	61.60 1.08 0.00	63.30 1.04 0.00	51.66 0.89 0.00	52.26 1.00 0.00
KATONAH__115KV_46KV_TB4 355592	49.28 1.89 0.00	47.50 1.82 0.00	47.66 1.83 0.00	43.83 1.54 0.00	42.33 1.47 0.00	50.02 1.90 0.00	67.90 2.76 0.00	155.20 7.56 0.00	107.91 4.49 0.00	52.35 2.15 0.00	46.97 2.01 0.00	49.12 2.27 0.00	43.50 1.90 0.00	44.05 2.19 0.00	44.11 2.24 0.00	45.09 2.21 0.00	46.64 2.22 0.00	55.84 2.37 0.00	66.56 3.14 0.00	71.34 3.04 0.00	62.82 2.30 0.00	64.90 2.64 0.00	52.94 2.17 0.00	53.29 2.03 0.00
KCE_NY_1 323755	48.83 1.44 0.00	47.18 1.50 0.00	47.35 1.51 0.00	43.70 1.41 0.00	42.36 1.49 0.00	49.95 1.83 0.00	67.73 2.59 0.00	152.97 5.32 0.00	107.15 3.73 0.00	51.54 1.33 0.00	46.00 1.04 0.00	48.07 1.21 0.00	42.56 0.96 0.00	42.84 0.97 0.00	43.20 1.33 0.00	44.39 1.51 0.00	46.14 1.73 0.00	55.61 2.13 0.00	65.94 2.52 0.00	71.00 2.69 0.00	62.92 2.41 0.00	64.46 2.20 0.00	52.44 1.67 0.00	52.89 1.63 0.00
KCE_NY_6_ESR 323823	46.70 -0.69 0.00	44.38 -1.30 0.00	44.45 -1.39 0.00	40.93 -1.36 0.00	39.67 -1.20 0.00	46.43 -1.68 0.00	61.46 -3.68 0.00	138.78 -8.87 0.00	96.79 -6.63 0.00	48.18 -2.02 0.00	44.16 -0.80 0.00	46.10 -0.76 0.00	40.97 -0.63 0.00	40.65 -1.04 0.17	39.27 -1.44 1.15	39.58 -1.90 1.40	40.65 -2.45 1.31	48.37 -2.66 2.45	58.10 -2.84 2.48	64.69 -2.60 1.02	57.36 -2.36 0.79	58.91 -2.00 1.35	46.13 -1.52 3.11	48.54 -0.52 2.21
KEDC_PORT_JEFF_GT2 24210	48.44 1.05 0.00	46.61 0.93 0.00	46.83 1.00 0.00	43.00 0.71 0.00	38.87 0.48 2.48	12.18 0.61 36.54	54.79 1.22 11.57	84.95 4.05 66.74	35.16 1.96 70.22	39.60 1.30 11.91	46.49 1.52 0.00	39.45 1.37 8.78	14.35 1.16 28.41	-5.72 1.51 49.08	21.79 1.39 21.47	17.48 1.19 26.59	42.42 1.34 3.33	40.10 1.18 14.55	31.34 1.88 33.96	29.16 1.61 40.76	38.07 1.15 23.58	38.13 1.39 25.52	33.06 1.04 18.75	44.13 1.11 8.24
KEDC_PORT_JEFF_GT3 24211	48.44 1.05 0.00	46.61 0.93 0.00	46.83 1.00 0.00	43.00 0.71 0.00	38.87 0.48 2.48	12.18 0.61 36.54	54.79 1.22 11.57	84.95 4.05 66.74	35.16 1.96 70.22	39.60 1.30 11.91	46.49 1.52 0.00	39.45 1.37 8.78	14.35 1.16 28.41	-5.72 1.51 49.08	21.79 1.39 21.47	17.48 1.19 26.59	42.42 1.34 3.33	40.10 1.18 14.55	31.34 1.88 33.96	29.16 1.61 40.76	38.07 1.15 23.58	38.13 1.39 25.52	33.06 1.04 18.75	44.13 1.11 8.24
KEDC_GLWD_GT4 24219	49.33 1.94 0.00	47.51 1.83 0.00	47.68 1.84 0.00	43.80 1.51 0.00	41.49 1.37 0.75	38.79 1.74 11.06	67.41 2.57 0.30	133.40 7.10 21.34	83.14 4.11 24.38	48.64 2.05 3.61	47.06 2.09 0.00	49.22 2.36 0.00	43.61 2.01 0.00	44.17 2.31 0.00	43.95 2.30 0.22	36.99 2.17 8.06	45.60 2.19 1.01	51.41 2.34 4.41	56.27 3.13 10.29	58.93 2.97 12.35	55.61 2.24 7.15	57.12 2.59 7.73	47.27 2.18 5.68	52.36 2.16 1.06
KEDC_GLWD_GT5 24220	49.33 1.94 0.00	47.51 1.83 0.00	47.68 1.84 0.00	43.80 1.51 0.00	41.49 1.37 0.75	38.79 1.74 11.06	67.41 2.57 0.30	133.40 7.10 21.34	83.14 4.11 24.38	48.64 2.05 3.61	47.06 2.09 0.00	49.22 2.36 0.00	43.61 2.01 0.00	44.17 2.31 0.00	43.95 2.30 0.22	36.99 2.17 8.06	45.60 2.19 1.01	51.41 2.34 4.41	56.27 3.13 10.29	58.93 2.97 12.35	55.61 2.24 7.15	57.12 2.59 7.73	47.27 2.18 5.68	52.36 2.16 1.06
KENSICO____ 23655	49.22 1.83 0.00	47.42 1.74 0.00	47.58 1.74 0.00	43.76 1.47 0.00	42.27 1.40 0.00	49.92 1.80 0.00	67.76 2.62 0.00	154.91 7.26 0.00	107.64 4.22 0.00	52.25 2.05 0.00	46.90 1.93 0.00	49.06 2.21 0.00	43.46 1.86 0.00	44.01 2.15 0.00	44.07 2.20 0.00	45.03 2.14 0.00	46.57 2.16 0.00	55.73 2.25 0.00	66.43 3.01 0.00	71.18 2.87 0.00	62.69 2.17 0.00	64.76 2.50 0.00	52.88 2.10 0.00	53.20 1.94 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	49.46 2.08 0.00	47.69 2.01 0.00	47.88 2.04 0.00	44.02 1.73 0.00	42.48 1.62 0.00	50.17 2.06 0.00	68.30 3.16 0.00	156.05 8.41 0.00	108.43 5.01 0.00	52.29 2.09 0.00	46.69 1.72 0.00	48.88 2.02 0.00	43.26 1.66 0.00	43.49 1.63 0.00	43.58 1.72 0.00	44.80 1.91 0.00	46.41 1.99 0.00	55.62 2.14 0.00	66.34 2.92 0.00	71.18 2.88 0.00	62.80 2.29 0.00	65.29 3.03 0.00	53.27 2.50 0.00	53.60 2.34 0.00

KIAC_JFK_GT1 23816	49.22 1.83 0.00	47.41 1.74 0.00	47.52 1.68 0.00	43.68 1.39 0.00	42.23 1.36 0.00	49.79 1.67 0.00	67.31 2.17 0.00	154.17 6.53 0.00	107.08 3.66 0.00	52.07 1.86 0.00	46.96 2.00 0.00	49.22 2.36 0.00	43.60 2.00 0.00	44.14 2.28 0.00	44.19 2.33 0.00	45.18 2.30 0.00	46.64 2.22 0.00	55.54 2.07 0.00	66.26 2.84 0.00	70.91 2.60 0.00	62.41 1.90 0.00	64.84 2.58 0.00	52.93 2.16 0.00	53.05 1.79 0.00
KIAC_JFK_GT2 23817	49.22 1.83 0.00	47.41 1.74 0.00	47.52 1.68 0.00	43.68 1.39 0.00	42.23 1.36 0.00	49.79 1.67 0.00	67.31 2.17 0.00	154.17 6.53 0.00	107.08 3.66 0.00	52.07 1.86 0.00	46.96 2.00 0.00	49.22 2.36 0.00	43.60 2.00 0.00	44.14 2.28 0.00	44.19 2.33 0.00	45.18 2.30 0.00	46.64 2.22 0.00	55.54 2.07 0.00	66.26 2.84 0.00	70.91 2.60 0.00	62.41 1.90 0.00	64.84 2.58 0.00	52.93 2.16 0.00	53.05 1.79 0.00
KIAC_JFK____ 323774	49.21 1.83 0.00	47.41 1.74 0.00	47.52 1.68 0.00	43.68 1.39 0.00	42.23 1.36 0.00	49.79 1.67 0.00	67.31 2.17 0.00	154.17 6.53 0.00	107.07 3.65 0.00	52.06 1.86 0.00	46.96 2.00 0.00	49.22 2.36 0.00	43.60 2.00 0.00	44.14 2.27 0.00	44.19 2.33 0.00	45.17 2.30 0.00	46.62 2.20 0.00	55.54 2.06 0.00	66.26 2.84 0.00	70.90 2.59 0.00	62.41 1.90 0.00	64.84 2.58 0.00	52.91 2.14 0.00	53.04 1.78 0.00
KINTIGH__24_KV_GSU 356498	46.40 -0.99 0.00	44.10 -1.58 0.00	44.22 -1.62 0.00	40.71 -1.58 0.00	39.47 -1.39 0.00	46.18 -1.94 0.00	61.01 -4.13 0.00	137.85 -9.79 0.00	96.25 -7.17 0.00	47.88 -2.33 0.00	43.89 -1.07 0.00	45.86 -1.00 0.00	40.83 -0.77 0.00	40.58 -1.15 0.13	39.42 -1.59 0.86	39.74 -2.08 1.07	40.81 -2.60 1.00	48.68 -2.92 1.88	58.29 -3.23 1.90	64.35 -3.19 0.78	57.13 -2.78 0.60	58.71 -2.52 1.03	46.45 -1.94 2.38	48.54 -1.04 1.69
KINTIGH____ 23543	46.37 -1.02 0.00	44.07 -1.62 0.00	44.18 -1.66 0.00	40.69 -1.60 0.00	39.45 -1.42 0.00	46.16 -1.95 0.00	60.97 -4.17 0.00	137.76 -9.89 0.00	96.25 -7.17 0.00	47.85 -2.35 0.00	43.86 -1.10 0.00	45.84 -1.01 0.00	40.82 -0.78 0.00	40.69 -1.17 0.00	40.26 -1.61 0.00	40.77 -2.11 0.00	41.71 -2.71 0.00	50.50 -2.97 0.00	60.14 -3.28 0.00	65.09 -3.22 0.00	57.68 -2.83 0.00	59.67 -2.58 0.00	48.78 -1.99 0.00	50.17 -1.09 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	48.92 1.53 0.00	47.19 1.51 0.00	47.33 1.49 0.00	43.70 1.41 0.00	42.38 1.52 0.00	50.04 1.92 0.00	67.27 2.12 0.00	152.56 4.92 0.00	108.09 4.67 0.00	52.21 2.01 0.00	46.63 1.66 0.00	48.28 1.42 0.00	42.86 1.26 0.00	42.87 1.01 0.00	42.78 0.91 0.00	44.14 1.25 0.00	45.53 1.11 0.00	55.17 1.69 0.00	65.39 1.97 0.00	70.24 1.93 0.00	62.20 1.69 0.00	63.71 1.45 0.00	52.06 1.29 0.00	52.79 1.53 0.00
LACHUTE____HYDRO 323717	50.28 2.89 0.00	48.85 3.17 0.00	48.92 3.08 0.00	45.29 3.00 0.00	44.05 3.19 0.00	52.44 4.32 0.00	71.69 6.55 0.00	161.22 13.58 0.00	112.63 9.21 0.00	53.73 3.53 0.00	48.08 3.11 0.00	50.71 3.86 0.00	45.25 3.65 0.00	44.89 3.03 0.00	45.56 3.70 0.00	46.85 3.97 0.00	48.62 4.20 0.00	59.06 5.59 0.00	69.98 6.56 0.00	75.82 7.51 0.00	66.95 6.44 0.00	67.65 5.39 0.00	54.44 3.67 0.00	54.96 3.70 0.00
LAWRNCALV_115KV_TB1 80681	49.37 1.98 0.00	47.38 1.70 0.00	47.41 1.57 0.00	43.71 1.42 0.00	42.38 1.52 0.00	50.04 1.92 0.00	67.86 2.72 0.00	153.77 6.13 0.00	398.79 5.19 -290.18	52.51 2.30 0.00	46.92 1.96 0.00	49.18 2.33 0.00	43.55 1.95 0.00	43.33 1.47 0.00	43.03 1.17 0.00	43.85 0.96 0.00	45.14 0.72 0.00	54.69 1.22 0.00	64.94 1.52 0.00	70.42 2.11 0.00	62.87 2.36 0.00	64.79 2.53 0.00	52.98 2.20 0.00	53.50 2.24 0.00
LEDERLE____ 23769	49.51 2.12 0.00	47.70 2.02 0.00	47.84 2.00 0.00	43.99 1.70 0.00	42.53 1.66 0.00	50.28 2.16 0.00	68.42 3.28 0.00	156.48 8.84 0.00	108.64 5.23 0.00	52.57 2.37 0.00	47.12 2.16 0.00	49.32 2.46 0.00	43.67 2.07 0.00	44.23 2.37 0.00	44.29 2.42 0.00	45.20 2.32 0.00	46.77 2.35 0.00	56.02 2.55 0.00	66.81 3.39 0.00	71.58 3.27 0.00	63.00 2.49 0.00	65.11 2.85 0.00	53.10 2.33 0.00	53.45 2.19 0.00
LIGHTHSE_115KV_TB6 355974	47.03 -0.36 0.00	45.10 -0.58 0.00	45.17 -0.66 0.00	41.77 -0.52 0.00	40.48 -0.38 0.00	47.72 -0.39 0.00	64.89 -0.25 0.00	147.49 -0.15 0.00	127.89 -0.06 -24.54	50.02 -0.18 0.00	44.67 -0.29 0.00	46.49 -0.36 0.00	41.25 -0.35 0.00	41.34 -0.53 0.00	41.16 -0.71 0.00	42.10 -0.78 0.00	43.73 -0.69 0.00	53.08 -0.40 0.00	62.97 -0.46 0.00	68.02 -0.29 0.00	60.41 -0.10 0.00	62.15 -0.11 0.00	50.63 -0.14 0.00	51.10 -0.16 0.00
LINDEN COGEN____ 23786	49.32 1.93 0.00	47.51 1.83 0.00	47.64 1.81 0.00	43.83 1.54 0.00	42.34 1.47 0.00	50.00 1.89 0.00	67.83 2.69 0.00	155.21 7.57 0.00	107.75 4.33 0.00	52.39 2.19 0.00	47.05 2.09 0.00	49.27 2.41 0.00	43.62 2.02 0.00	44.20 2.34 0.00	44.25 2.38 0.00	45.19 2.31 0.00	46.70 2.29 0.00	55.84 2.37 0.00	66.58 3.16 0.00	71.31 3.00 0.00	62.77 2.26 0.00	64.89 2.63 0.00	52.96 2.19 0.00	53.22 1.96 0.00
LINDHRST_69_KV_BK1 356055	49.37 1.98 0.00	47.52 1.84 0.00	47.70 1.86 0.00	43.74 1.45 0.00	40.06 1.16 1.97	20.67 1.40 28.85	64.03 2.20 3.31	101.57 6.03 52.10	47.48 3.42 59.35	42.51 1.75 9.43	46.98 2.01 0.00	48.54 2.19 0.50	41.84 1.87 1.63	41.24 2.20 2.82	42.22 2.11 1.76	23.64 1.82 21.06	43.77 1.99 2.64	44.05 2.11 11.53	39.48 2.96 26.90	38.73 2.71 32.28	43.90 2.07 18.68	44.50 2.46 20.21	38.11 2.19 14.85	50.52 2.32 3.06
LIPA_MISC_IPP 23656	48.10 0.71 0.00	46.29 0.61 0.00	46.52 0.69 0.00	42.73 0.44 0.00	38.61 0.24 2.50	11.61 0.37 36.87	51.92 0.95 14.17	82.23 3.64 69.05	34.85 2.11 70.68	39.48 1.27 11.99	46.40 1.43 0.00	39.75 1.09 8.19	16.03 0.92 26.49	-2.66 1.25 45.77	22.96 1.16 20.07	17.10 0.99 26.77	42.28 1.21 3.36	39.74 0.92 14.65	30.80 1.57 34.19	28.56 1.28 41.03	37.68 0.91 23.74	37.71 1.14 25.69	32.65 0.75 18.87	44.01 0.70 7.95
LISF____SOLAR 323691	48.14 0.75 0.00	46.33 0.65 0.00	46.56 0.73 0.00	42.76 0.47 0.00	38.65 0.27 2.49	11.76 0.41 36.76	52.45 1.02 13.71	82.92 3.84 68.57	35.18 2.27 70.50	39.57 1.32 11.96	46.43 1.46 0.00	39.80 1.08 8.13	16.22 0.92 26.30	-2.31 1.27 45.45	23.10 1.17 19.93	17.19 1.01 26.70	42.31 1.24 3.35	39.83 0.97 14.61	30.96 1.64 34.11	28.75 1.37 40.93	37.83 1.00 23.68	37.85 1.21 25.62	32.73 0.78 18.82	44.10 0.75 7.91
LITTLE FALLS____HYD 24013	49.43 2.05 0.00	47.82 2.14 0.00	48.01 2.17 0.00	44.33 2.04 0.00	42.95 2.08 0.00	50.45 2.34 0.00	68.73 3.59 0.00	155.85 8.20 0.00	108.26 4.85 0.00	51.86 1.66 0.00	46.19 1.22 0.00	47.88 1.03 0.00	41.95 0.35 0.00	42.24 0.37 0.00	42.35 0.48 0.00	44.10 1.21 0.00	45.97 1.56 0.00	55.65 2.17 0.00	66.72 3.30 0.00	71.92 3.61 0.00	63.73 3.22 0.00	65.55 3.29 0.00	53.26 2.49 0.00	53.58 2.32 0.00

LITTLRIV_115KV_TB1 356100	49.98 2.60 0.00	47.93 2.25 0.00	47.94 2.10 0.00	44.19 1.90 0.00	42.90 2.04 0.00	50.67 2.55 0.00	68.83 3.68 0.00	155.96 8.32 0.00	378.12 6.71 -267.98	52.99 2.79 0.00	47.35 2.38 0.00	49.65 2.80 0.00	43.89 2.29 0.00	43.64 1.78 0.00	43.28 1.42 0.00	44.04 1.16 0.00	45.49 1.07 0.00	55.40 1.93 0.00	65.89 2.47 0.00	71.49 3.18 0.00	63.80 3.29 0.00	65.73 3.48 0.00	53.70 2.92 0.00	54.19 2.93 0.00
LI_NEWBRDGE___DRP 323616	48.71 1.33 0.00	46.91 1.23 0.00	47.11 1.28 0.00	43.25 0.96 0.00	38.94 0.76 2.69	9.85 0.97 39.24	65.74 1.56 0.96	88.86 4.65 63.43	29.79 2.40 76.03	38.57 1.27 12.91	46.46 1.50 0.00	48.56 1.71 0.00	43.05 1.44 0.00	43.61 1.75 0.00	42.77 1.68 0.78	15.50 1.46 28.83	42.30 1.50 3.61	39.16 1.47 15.78	28.74 2.14 36.83	25.98 1.87 44.20	36.24 1.30 25.57	36.23 1.64 27.67	31.87 1.43 20.33	48.95 1.52 3.83
LOCKPORT_115KV_TB60_63_64 80432	46.21 -1.18 0.00	43.76 -1.92 0.00	43.89 -1.95 0.00	40.40 -1.89 0.00	39.20 -1.67 0.00	45.85 -2.27 0.00	60.26 -4.88 0.00	135.97 -11.67 0.00	95.09 -8.33 0.00	47.51 -2.69 0.00	43.61 -1.36 0.00	45.55 -1.30 0.00	40.61 -0.99 0.00	40.40 -1.46 0.00	39.88 -1.99 0.00	40.31 -2.57 0.00	41.22 -3.20 0.00	50.00 -3.47 0.00	59.59 -3.84 0.00	64.59 -3.72 0.00	57.23 -3.28 0.00	59.25 -3.01 0.00	48.44 -2.33 0.00	50.01 -1.26 0.00
LOCKPORT___CC1 323769	46.20 -1.19 0.00	43.78 -1.90 0.00	43.89 -1.95 0.00	40.40 -1.89 0.00	39.20 -1.67 0.00	45.82 -2.30 0.00	60.26 -4.88 0.00	135.97 -11.67 0.00	95.01 -8.40 0.00	47.47 -2.73 0.00	43.59 -1.37 0.00	45.54 -1.32 0.00	40.58 -1.01 0.00	40.26 -1.47 0.13	39.00 -1.99 0.88	39.25 -2.55 1.08	40.28 -3.11 1.02	48.11 -3.47 1.90	57.66 -3.84 1.93	63.80 -3.72 0.79	56.64 -3.26 0.61	58.25 -2.96 1.04	46.06 -2.29 2.42	48.34 -1.21 1.71
LOCKPORT___CC2 323770	46.20 -1.19 0.00	43.78 -1.90 0.00	43.89 -1.95 0.00	40.40 -1.89 0.00	39.20 -1.67 0.00	45.82 -2.30 0.00	60.26 -4.88 0.00	135.97 -11.67 0.00	95.01 -8.40 0.00	47.47 -2.73 0.00	43.59 -1.37 0.00	45.54 -1.32 0.00	40.58 -1.01 0.00	40.26 -1.47 0.13	39.00 -1.99 0.88	39.25 -2.55 1.08	40.28 -3.11 1.02	48.11 -3.47 1.90	57.66 -3.84 1.93	63.80 -3.72 0.79	56.64 -3.26 0.61	58.25 -2.96 1.04	46.06 -2.29 2.42	48.34 -1.21 1.71
LOCKPORT___CC3 323771	46.20 -1.19 0.00	43.78 -1.90 0.00	43.89 -1.95 0.00	40.40 -1.89 0.00	39.20 -1.67 0.00	45.82 -2.30 0.00	60.26 -4.88 0.00	135.97 -11.67 0.00	95.01 -8.40 0.00	47.47 -2.73 0.00	43.59 -1.37 0.00	45.54 -1.32 0.00	40.58 -1.01 0.00	40.26 -1.47 0.13	39.00 -1.99 0.88	39.25 -2.55 1.08	40.28 -3.11 1.02	48.11 -3.47 1.90	57.66 -3.84 1.93	63.80 -3.72 0.79	56.64 -3.26 0.61	58.25 -2.96 1.04	46.06 -2.29 2.42	48.34 -1.21 1.71
LOCUSVLY_69_KV_BK2 55797	49.21 1.82 0.00	47.37 1.70 0.00	47.58 1.74 0.00	43.67 1.38 0.00	40.88 1.21 1.19	32.26 1.52 17.38	69.85 2.29 -2.42	124.96 6.42 29.10	70.56 3.59 36.45	46.32 1.83 5.72	46.94 1.97 0.00	49.09 2.24 0.00	43.51 1.91 0.00	44.08 2.22 0.00	43.69 2.17 0.35	32.07 1.97 12.78	44.82 2.01 1.60	48.58 2.10 7.00	49.99 2.89 16.32	51.43 2.70 19.59	51.18 2.00 11.33	52.35 2.36 12.26	43.78 2.02 9.01	51.62 2.05 1.69
LONG_LAKE_PHOENIX 24014	46.24 -1.15 0.00	44.51 -1.18 0.00	44.65 -1.19 0.00	41.25 -1.05 0.00	39.89 -0.98 0.00	46.91 -1.21 0.00	63.58 -1.57 0.00	144.10 -3.54 0.00	100.82 -2.59 0.00	48.98 -1.22 0.00	43.89 -1.07 0.00	45.73 -1.13 0.00	40.67 -0.93 0.00	40.92 -0.95 0.00	40.90 -0.97 0.00	41.83 -1.05 0.00	43.30 -1.12 0.00	52.26 -1.21 0.00	61.99 -1.43 0.00	66.78 -1.53 0.00	59.13 -1.38 0.00	60.76 -1.50 0.00	49.51 -1.26 0.00	50.00 -1.27 0.00
LOVETT___3 23632	49.07 1.69 0.00	47.29 1.61 0.00	47.44 1.60 0.00	43.63 1.34 0.00	42.15 1.29 0.00	49.82 1.70 0.00	67.77 2.63 0.00	154.91 7.26 0.00	107.58 4.17 0.00	52.20 1.99 0.00	46.86 1.89 0.00	49.03 2.18 0.00	43.42 1.82 0.00	43.98 2.12 0.00	44.00 2.13 0.00	44.89 2.01 0.00	46.44 2.03 0.00	55.61 2.13 0.00	66.33 2.91 0.00	71.06 2.76 0.00	62.56 2.05 0.00	64.65 2.39 0.00	52.76 1.99 0.00	53.13 1.87 0.00
LOVETT___4 23642	49.07 1.69 0.00	47.29 1.61 0.00	47.44 1.60 0.00	43.63 1.34 0.00	42.15 1.29 0.00	49.82 1.70 0.00	67.77 2.63 0.00	154.91 7.26 0.00	107.58 4.17 0.00	52.20 1.99 0.00	46.86 1.89 0.00	49.03 2.18 0.00	43.42 1.82 0.00	43.98 2.12 0.00	44.00 2.13 0.00	44.89 2.01 0.00	46.44 2.03 0.00	55.61 2.13 0.00	66.33 2.91 0.00	71.06 2.76 0.00	62.56 2.05 0.00	64.65 2.39 0.00	52.76 1.99 0.00	53.13 1.87 0.00
LOVETT___5 23593	49.07 1.69 0.00	47.29 1.61 0.00	47.44 1.60 0.00	43.63 1.34 0.00	42.15 1.29 0.00	49.82 1.70 0.00	67.77 2.63 0.00	154.91 7.26 0.00	107.58 4.17 0.00	52.20 1.99 0.00	46.86 1.89 0.00	49.03 2.18 0.00	43.42 1.82 0.00	43.98 2.12 0.00	44.00 2.13 0.00	44.89 2.01 0.00	46.44 2.03 0.00	55.61 2.13 0.00	66.33 2.91 0.00	71.06 2.76 0.00	62.56 2.05 0.00	64.65 2.39 0.00	52.76 1.99 0.00	53.13 1.87 0.00
LOWER RAQUET___HYD 24057	49.48 2.09 0.00	47.46 1.78 0.00	47.48 1.64 0.00	43.77 1.48 0.00	42.47 1.61 0.00	50.15 2.03 0.00	68.08 2.94 0.00	154.33 6.69 0.00	358.50 5.59 -249.49	52.63 2.43 0.00	47.00 2.04 0.00	49.35 2.49 0.00	43.67 2.07 0.00	43.38 1.52 0.00	43.06 1.19 0.00	43.82 0.94 0.00	45.03 0.61 0.00	54.61 1.14 0.00	64.87 1.45 0.00	70.43 2.12 0.00	62.99 2.48 0.00	64.94 2.68 0.00	53.15 2.38 0.00	53.66 2.40 0.00
LOWER___HUDSON 24059	48.15 0.76 0.00	46.59 0.90 0.00	46.73 0.89 0.00	43.16 0.87 0.00	41.76 0.89 0.00	49.24 1.12 0.00	66.62 1.48 0.00	150.42 2.77 0.00	105.56 2.14 0.00	50.60 0.40 0.00	45.17 0.21 0.00	47.24 0.39 0.00	41.82 0.22 0.00	42.25 0.39 0.00	42.61 0.75 0.00	43.84 0.96 0.00	45.51 1.09 0.00	54.75 1.27 0.00	64.91 1.49 0.00	69.86 1.56 0.00	61.99 1.48 0.00	63.49 1.23 0.00	51.70 0.93 0.00	52.14 0.88 0.00
LOWVILLE_115KV_TB2 356335	48.61 1.22 0.00	46.46 0.78 0.00	46.37 0.53 0.00	42.91 0.62 0.00	41.84 0.97 0.00	49.45 1.33 0.00	67.78 2.64 0.00	154.34 6.70 0.00	179.38 4.71 -71.26	52.14 1.94 0.00	46.29 1.33 0.00	48.22 1.37 0.00	42.76 1.16 0.00	42.72 0.86 0.00	42.42 0.55 0.00	43.53 0.64 0.00	44.95 0.53 0.00	55.02 1.55 0.00	65.14 1.72 0.00	70.64 2.33 0.00	62.92 2.41 0.00	64.83 2.57 0.00	52.81 2.04 0.00	53.28 2.02 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	48.81 1.42 0.00	47.18 1.50 0.00	47.32 1.48 0.00	43.70 1.41 0.00	42.32 1.45 0.00	49.92 1.81 0.00	67.69 2.55 0.00	152.88 5.24 0.00	107.08 3.67 0.00	51.50 1.30 0.00	45.98 1.01 0.00	48.04 1.19 0.00	42.56 0.96 0.00	42.81 0.94 0.00	43.18 1.31 0.00	44.37 1.49 0.00	46.12 1.70 0.00	55.56 2.09 0.00	65.91 2.48 0.00	70.95 2.64 0.00	62.88 2.37 0.00	64.42 2.16 0.00	52.42 1.65 0.00	52.86 1.60 0.00

LUTHERNY_35_KV_BK2 355980	48.82 1.44 0.00	47.18 1.50 0.00	47.35 1.51 0.00	43.70 1.41 0.00	42.36 1.49 0.00	49.95 1.83 0.00	67.74 2.60 0.00	152.97 5.33 0.00	107.15 3.73 0.00	51.54 1.34 0.00	46.00 1.04 0.00	48.07 1.21 0.00	42.56 0.96 0.00	42.83 0.97 0.00	43.20 1.34 0.00	44.39 1.51 0.00	46.14 1.73 0.00	55.61 2.13 0.00	65.94 2.52 0.00	71.00 2.69 0.00	62.92 2.41 0.00	64.46 2.20 0.00	52.44 1.67 0.00	52.89 1.63 0.00
LWR___OSWEGATCHIE_HYD 23850	48.98 1.60 0.00	46.89 1.21 0.00	46.85 1.02 0.00	43.28 0.99 0.00	42.08 1.22 0.00	49.71 1.59 0.00	67.79 2.65 0.00	153.68 6.05 0.00	277.36 4.76 -169.19	52.15 1.95 0.00	46.44 1.47 0.00	48.62 1.76 0.00	43.14 1.54 0.00	42.93 1.07 0.00	42.57 0.70 0.00	43.47 0.58 0.00	44.77 0.35 0.00	54.55 1.08 0.00	64.71 1.29 0.00	70.27 1.96 0.00	62.77 2.26 0.00	64.85 2.59 0.00	52.94 2.17 0.00	53.41 2.16 0.00
LYONS_FALL_HYD 23570	48.45 1.06 0.00	46.44 0.76 0.00	46.44 0.60 0.00	42.95 0.66 0.00	41.78 0.91 0.00	49.34 1.22 0.00	67.43 2.29 0.00	153.40 5.76 0.00	154.97 3.94 -47.61	51.85 1.65 0.00	46.16 1.20 0.00	48.07 1.22 0.00	42.65 1.05 0.00	42.73 0.86 0.00	42.55 0.69 0.00	43.65 0.77 0.00	45.20 0.78 0.00	54.97 1.50 0.00	65.06 1.64 0.00	70.41 2.10 0.00	62.58 2.06 0.00	64.42 2.16 0.00	52.47 1.70 0.00	52.91 1.65 0.00
MADISON___COUNTY_LFGE 323628	48.21 0.83 0.00	46.43 0.75 0.00	46.57 0.74 0.00	43.11 0.82 0.00	41.82 0.95 0.00	49.46 1.35 0.00	67.36 2.22 0.00	153.09 5.45 0.00	122.65 3.44 -15.80	51.71 1.51 0.00	46.20 1.23 0.00	48.01 1.16 0.00	42.71 1.11 0.00	42.87 1.01 0.00	42.92 1.06 0.00	44.04 1.16 0.00	45.75 1.33 0.00	55.23 1.76 0.00	65.24 1.82 0.00	70.38 2.07 0.00	62.28 1.77 0.00	64.01 1.75 0.00	52.12 1.35 0.00	52.55 1.30 0.00
MALONE___115KV_TB1 356076	49.25 1.86 0.00	47.35 1.66 0.00	47.42 1.58 0.00	43.71 1.42 0.00	42.35 1.48 0.00	50.00 1.88 0.00	67.63 2.49 0.00	153.60 5.96 0.00	189.19 5.47 -80.31	52.66 2.46 0.00	46.99 2.03 0.00	50.83 3.98 0.00	44.44 2.84 0.00	43.28 1.42 0.00	43.11 1.24 0.00	44.23 1.35 0.00	45.61 1.19 0.00	55.26 1.78 0.00	65.60 2.18 0.00	70.75 2.44 0.00	62.87 2.35 0.00	64.65 2.39 0.00	52.76 1.98 0.00	53.28 2.02 0.00
MAPLEWOD_115KV_TB3 80458	47.95 0.56 0.00	46.35 0.66 0.00	46.52 0.69 0.00	42.95 0.65 0.00	41.53 0.66 0.00	48.93 0.82 0.00	66.28 1.14 0.00	149.80 2.16 0.00	104.96 1.54 0.00	50.51 0.31 0.00	45.12 0.16 0.00	47.14 0.28 0.00	41.75 0.15 0.00	42.15 0.29 0.00	42.48 0.61 0.00	43.65 0.77 0.00	45.29 0.87 0.00	54.42 0.95 0.00	64.58 1.15 0.00	69.45 1.14 0.00	61.55 1.04 0.00	63.17 0.91 0.00	51.47 0.70 0.00	51.88 0.62 0.00
MAPLE_RIDGE_WT_1 323574	47.53 0.14 0.00	45.75 0.06 0.00	45.87 0.03 0.00	42.35 0.06 0.00	40.97 0.11 0.00	48.27 0.15 0.00	65.35 0.21 0.00	148.15 0.50 0.00	103.95 0.53 0.00	50.46 0.26 0.00	45.15 0.18 0.00	47.03 0.17 0.00	41.73 0.13 0.00	41.97 0.10 0.00	41.88 0.02 0.00	42.93 0.05 0.00	44.44 0.02 0.00	53.53 0.05 0.00	63.44 0.01 0.00	68.43 0.12 0.00	60.66 0.15 0.00	62.45 0.19 0.00	50.92 0.15 0.00	51.42 0.16 0.00
MAPLE_RIDGE_WT_2 323611	47.53 0.14 0.00	45.75 0.06 0.00	45.87 0.03 0.00	42.35 0.06 0.00	40.97 0.11 0.00	48.27 0.15 0.00	65.35 0.21 0.00	148.15 0.50 0.00	103.95 0.53 0.00	50.46 0.26 0.00	45.15 0.18 0.00	47.03 0.17 0.00	41.73 0.13 0.00	41.97 0.10 0.00	41.88 0.02 0.00	42.93 0.05 0.00	44.44 0.02 0.00	53.53 0.05 0.00	63.44 0.01 0.00	68.43 0.12 0.00	60.66 0.15 0.00	62.45 0.19 0.00	50.92 0.15 0.00	51.42 0.16 0.00
MARBLE_RIVER_WT_PWR 323696	48.65 1.27 0.00	47.04 1.35 0.00	47.24 1.41 0.00	43.66 1.38 0.00	42.36 1.50 0.00	50.01 1.89 0.00	67.05 1.91 0.00	151.81 4.16 0.00	107.44 4.02 0.00	51.87 1.67 0.00	46.39 1.42 0.00	48.05 1.20 0.00	42.68 1.08 0.00	42.63 0.77 0.00	42.58 0.72 0.00	44.01 1.13 0.00	45.34 0.92 0.00	54.89 1.41 0.00	64.90 1.48 0.00	69.55 1.24 0.00	61.57 1.05 0.00	62.99 0.73 0.00	51.53 0.76 0.00	52.36 1.11 0.00
MARSHVLE_115KV_TB1 80742	48.29 0.90 0.00	46.43 0.75 0.00	46.55 0.72 0.00	42.96 0.67 0.00	41.51 0.65 0.00	49.00 0.89 0.00	66.57 1.43 0.00	151.49 3.84 0.00	106.01 2.59 0.00	51.38 1.18 0.00	45.93 0.97 0.00	47.62 0.77 0.00	42.36 0.76 0.00	42.36 0.50 0.00	42.08 0.21 0.00	43.29 0.41 0.00	44.89 0.48 0.00	54.31 0.83 0.00	64.66 1.24 0.00	69.72 1.41 0.00	61.69 1.18 0.00	63.79 1.53 0.00	51.91 1.14 0.00	52.37 1.11 0.00
MARSH_HILL_WT_PWR 323713	45.83 -1.56 0.00	44.40 -1.28 0.00	44.76 -1.07 0.00	41.29 -1.00 0.00	39.85 -1.01 0.00	46.83 -1.29 0.00	62.65 -2.49 0.00	141.96 -5.68 0.00	98.70 -4.72 0.00	48.53 -1.67 0.00	43.82 -1.15 0.00	45.76 -1.10 0.00	40.35 -1.25 0.00	39.93 -2.00 -0.07	40.62 -1.73 -0.48	40.81 -2.12 -0.05	42.36 -2.06 0.00	51.91 -1.56 0.00	62.00 -1.42 0.00	67.47 -0.83 0.00	59.59 -0.92 0.00	61.66 -0.60 0.00	50.28 -0.49 0.00	51.56 0.30 0.00
MCINTYRE_115KV_TB2 80467	50.16 2.78 0.00	48.10 2.43 0.00	48.11 2.27 0.00	44.33 2.04 0.00	43.03 2.17 0.00	50.82 2.70 0.00	69.02 3.88 0.00	156.31 8.67 0.00	408.08 6.95 -297.71	53.10 2.90 0.00	47.48 2.51 0.00	49.68 2.82 0.00	43.94 2.34 0.00	43.71 1.84 0.00	43.33 1.46 0.00	44.13 1.25 0.00	45.80 1.38 0.00	55.85 2.37 0.00	66.44 3.02 0.00	71.98 3.67 0.00	64.09 3.58 0.00	65.99 3.73 0.00	53.81 3.04 0.00	54.32 3.06 0.00
MECO_____69_KV_BK1 80468	49.18 1.79 0.00	47.33 1.65 0.00	47.46 1.62 0.00	43.78 1.49 0.00	42.32 1.45 0.00	50.00 1.88 0.00	68.00 2.86 0.00	154.77 7.13 0.00	108.28 4.86 0.00	52.11 1.91 0.00	46.56 1.59 0.00	48.17 1.32 0.00	42.35 0.75 0.00	42.56 0.70 0.00	42.33 0.46 0.00	43.66 0.78 0.00	45.78 1.37 0.00	55.43 1.95 0.00	66.30 2.88 0.00	71.45 3.14 0.00	63.23 2.71 0.00	65.16 2.90 0.00	52.97 2.20 0.00	53.37 2.11 0.00
MENANDS___115KV_TB5 355628	47.71 0.33 0.00	46.13 0.45 0.00	46.31 0.47 0.00	42.75 0.46 0.00	41.35 0.49 0.00	48.71 0.59 0.00	65.94 0.80 0.00	148.96 1.32 0.00	104.43 1.01 0.00	50.23 0.03 0.00	44.89 -0.08 0.00	46.91 0.05 0.00	41.55 -0.05 0.00	41.98 0.12 0.00	42.31 0.44 0.00	43.47 0.59 0.00	45.12 0.70 0.00	54.16 0.68 0.00	64.24 0.82 0.00	69.09 0.78 0.00	61.21 0.70 0.00	62.84 0.58 0.00	51.21 0.44 0.00	51.62 0.36 0.00
MG INDUSTRY___DRP 24185	47.85 0.47 0.00	46.30 0.62 0.00	46.51 0.68 0.00	42.91 0.62 0.00	41.46 0.60 0.00	48.81 0.70 0.00	66.09 0.95 0.00	149.38 1.74 0.00	104.59 1.18 0.00	50.45 0.25 0.00	45.02 0.06 0.00	46.97 0.12 0.00	41.59 -0.01 0.00	41.98 0.11 0.00	42.22 0.36 0.00	43.41 0.53 0.00	45.11 0.70 0.00	54.14 0.67 0.00	64.24 0.82 0.00	69.04 0.73 0.00	61.19 0.68 0.00	62.91 0.65 0.00	51.32 0.55 0.00	51.75 0.49 0.00

MID___OSWEGATCHIE_HYD 23849	48.98 1.60 0.00	46.89 1.21 0.00	46.85 1.02 0.00	43.28 0.99 0.00	42.08 1.22 0.00	49.71 1.59 0.00	67.79 2.65 0.00	153.68 6.05 0.00	277.36 4.76 -169.19	52.15 1.95 0.00	46.44 1.47 0.00	48.62 1.76 0.00	43.14 1.54 0.00	42.93 1.07 0.00	42.57 0.70 0.00	43.47 0.58 0.00	44.77 0.35 0.00	54.55 1.08 0.00	64.71 1.29 0.00	70.27 1.96 0.00	62.77 2.26 0.00	64.85 2.59 0.00	52.94 2.17 0.00	53.41 2.16 0.00
MID___RAQUETTE_HYD 23851	49.48 2.09 0.00	47.46 1.78 0.00	47.48 1.64 0.00	43.77 1.48 0.00	42.47 1.60 0.00	50.15 2.03 0.00	68.07 2.93 0.00	154.33 6.68 0.00	358.50 5.59 -249.49	52.63 2.43 0.00	47.00 2.04 0.00	49.35 2.49 0.00	43.67 2.06 0.00	43.38 1.52 0.00	43.06 1.19 0.00	43.82 0.94 0.00	45.03 0.61 0.00	54.61 1.14 0.00	64.87 1.45 0.00	70.43 2.12 0.00	62.99 2.48 0.00	64.94 2.68 0.00	53.15 2.38 0.00	53.65 2.40 0.00
MILLIKEN___1 23584	47.92 0.53 0.00	46.14 0.46 0.00	46.27 0.43 0.00	42.76 0.46 0.00	41.35 0.48 0.00	48.70 0.58 0.00	66.06 0.92 0.00	149.68 2.03 0.00	104.25 0.84 0.00	50.61 0.41 0.00	45.16 0.20 0.00	47.04 0.19 0.00	41.82 0.22 0.00	41.98 0.12 0.00	41.97 0.10 0.00	42.91 0.03 0.00	44.66 0.24 0.00	54.00 0.53 0.00	64.25 0.83 0.00	69.35 1.04 0.00	61.31 0.81 0.00	63.00 0.74 0.00	51.27 0.50 0.00	51.84 0.58 0.00
MILLIKEN___2 23585	47.92 0.53 0.00	46.14 0.46 0.00	46.27 0.43 0.00	42.76 0.46 0.00	41.35 0.48 0.00	48.70 0.58 0.00	66.06 0.92 0.00	149.68 2.03 0.00	104.25 0.84 0.00	50.61 0.41 0.00	45.16 0.20 0.00	47.04 0.19 0.00	41.82 0.22 0.00	41.98 0.12 0.00	41.97 0.10 0.00	42.91 0.03 0.00	44.66 0.24 0.00	54.00 0.53 0.00	64.25 0.83 0.00	69.35 1.04 0.00	61.31 0.81 0.00	63.00 0.74 0.00	51.27 0.50 0.00	51.84 0.58 0.00
MILLIKEN___DIESEL 23629	47.92 0.53 0.00	46.14 0.46 0.00	46.27 0.43 0.00	42.76 0.46 0.00	41.35 0.48 0.00	48.70 0.58 0.00	66.06 0.92 0.00	149.68 2.03 0.00	104.25 0.84 0.00	50.61 0.41 0.00	45.16 0.20 0.00	47.04 0.19 0.00	41.82 0.22 0.00	41.98 0.12 0.00	41.97 0.10 0.00	42.91 0.03 0.00	44.66 0.24 0.00	54.00 0.53 0.00	64.25 0.83 0.00	69.35 1.04 0.00	61.31 0.81 0.00	63.00 0.74 0.00	51.27 0.50 0.00	51.84 0.58 0.00
MILLSEAT___LFGE 323607	47.08 -0.30 0.00	44.67 -1.02 0.00	44.78 -1.06 0.00	41.24 -1.06 0.00	40.02 -0.85 0.00	46.91 -1.21 0.00	62.11 -3.03 0.00	140.57 -7.07 0.00	98.19 -5.23 0.00	48.75 -1.45 0.00	44.42 -0.55 0.00	46.19 -0.66 0.00	41.19 -0.41 0.00	41.01 -0.74 0.12	39.93 -1.15 0.79	40.28 -1.63 0.97	41.47 -2.02 0.92	49.72 -2.04 1.71	59.61 -2.08 1.73	65.72 -1.88 0.71	58.26 -1.70 0.55	59.85 -1.47 0.94	47.41 -1.18 2.17	49.42 -0.30 1.54
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	49.15 1.76 0.00	47.37 1.69 0.00	47.53 1.69 0.00	43.70 1.42 0.00	42.22 1.35 0.00	49.87 1.75 0.00	67.70 2.56 0.00	154.76 7.12 0.00	107.52 4.11 0.00	52.17 1.97 0.00	46.81 1.84 0.00	48.98 2.13 0.00	43.38 1.78 0.00	43.93 2.06 0.00	44.00 2.13 0.00	44.95 2.07 0.00	46.50 2.08 0.00	55.66 2.18 0.00	66.35 2.93 0.00	71.09 2.79 0.00	62.61 2.10 0.00	64.69 2.43 0.00	52.80 2.03 0.00	53.15 1.89 0.00
MILLWOOD_13_KV_LOAD 356217	49.24 1.86 0.00	47.46 1.78 0.00	47.62 1.78 0.00	43.79 1.49 0.00	42.30 1.44 0.00	49.97 1.85 0.00	67.85 2.71 0.00	155.12 7.47 0.00	107.78 4.36 0.00	52.28 2.08 0.00	46.91 1.94 0.00	49.07 2.21 0.00	43.46 1.86 0.00	44.01 2.15 0.00	44.08 2.21 0.00	45.04 2.16 0.00	46.60 2.18 0.00	55.80 2.33 0.00	66.53 3.11 0.00	71.28 2.97 0.00	62.75 2.25 0.00	64.85 2.59 0.00	52.93 2.15 0.00	53.26 2.00 0.00
MODEL_CITY_ENERGY 24167	45.77 -1.62 0.00	43.33 -2.35 0.00	43.45 -2.39 0.00	40.01 -2.29 0.00	38.83 -2.04 0.00	45.36 -2.75 0.00	59.57 -5.57 0.00	134.25 -13.39 0.00	93.89 -9.53 0.00	46.99 -3.21 0.00	43.21 -1.76 0.00	45.11 -1.74 0.00	40.24 -1.36 0.00	39.89 -1.83 0.14	38.54 -2.38 0.95	38.72 -3.00 1.16	39.73 -3.59 1.09	47.37 -4.06 2.04	56.80 -4.56 2.07	62.98 -4.48 0.85	55.92 -3.93 0.66	57.51 -3.63 1.12	45.34 -2.84 2.59	47.69 -1.73 1.84
MODERN_LFGE___ 323580	45.77 -1.62 0.00	43.33 -2.35 0.00	43.45 -2.39 0.00	40.01 -2.29 0.00	38.83 -2.04 0.00	45.36 -2.75 0.00	59.57 -5.57 0.00	134.25 -13.39 0.00	93.89 -9.53 0.00	46.99 -3.21 0.00	43.21 -1.76 0.00	45.11 -1.74 0.00	40.24 -1.36 0.00	39.89 -1.83 0.14	38.54 -2.38 0.95	38.72 -3.00 1.16	39.73 -3.59 1.09	47.37 -4.06 2.04	56.80 -4.56 2.07	62.98 -4.48 0.85	55.92 -3.93 0.66	57.51 -3.63 1.12	45.34 -2.84 2.59	47.69 -1.73 1.84
MOHAWK_PAPER___DRP 24187	47.95 0.56 0.00	46.35 0.66 0.00	46.52 0.69 0.00	42.95 0.65 0.00	41.53 0.66 0.00	48.93 0.82 0.00	66.28 1.14 0.00	149.80 2.16 0.00	104.96 1.54 0.00	50.51 0.31 0.00	45.12 0.16 0.00	47.14 0.28 0.00	41.75 0.15 0.00	42.15 0.29 0.00	42.48 0.61 0.00	43.65 0.77 0.00	45.29 0.87 0.00	54.42 0.95 0.00	64.58 1.15 0.00	69.45 1.14 0.00	61.55 1.04 0.00	63.17 0.91 0.00	51.47 0.70 0.00	51.88 0.62 0.00
MOHICAN___35_KV_115KV_LD 80490	48.89 1.51 0.00	47.30 1.62 0.00	47.35 1.51 0.00	43.82 1.53 0.00	42.50 1.63 0.00	50.23 2.12 0.00	68.24 3.09 0.00	153.82 6.18 0.00	107.75 4.33 0.00	51.69 1.49 0.00	46.16 1.20 0.00	48.33 1.47 0.00	42.86 1.26 0.00	42.95 1.09 0.00	43.38 1.52 0.00	44.65 1.77 0.00	46.40 1.98 0.00	56.03 2.56 0.00	66.43 3.01 0.00	71.61 3.30 0.00	63.41 2.90 0.00	64.70 2.44 0.00	52.57 1.80 0.00	53.00 1.74 0.00
MONGAUP___HYD 23641	49.49 2.11 0.00	47.71 2.03 0.00	47.87 2.03 0.00	44.03 1.74 0.00	42.55 1.68 0.00	50.24 2.13 0.00	68.26 3.12 0.00	155.77 8.13 0.00	108.17 4.75 0.00	51.96 1.76 0.00	46.28 1.32 0.00	48.34 1.48 0.00	42.84 1.24 0.00	43.35 1.49 0.00	43.43 1.57 0.00	44.42 1.54 0.00	46.43 2.02 0.00	55.90 2.43 0.00	66.77 3.35 0.00	71.66 3.35 0.00	63.22 2.71 0.00	65.29 3.03 0.00	53.24 2.47 0.00	53.60 2.34 0.00
MONTAUK___DIESEL 23721	47.92 0.54 0.00	46.15 0.47 0.00	46.72 0.89 0.00	43.47 1.18 0.00	39.47 1.11 2.50	12.85 1.56 36.82	54.11 2.94 13.96	87.60 8.79 68.83	38.47 5.66 70.61	41.21 2.98 11.97	47.84 2.88 0.00	41.09 2.41 8.18	17.22 2.07 26.45	-1.54 2.30 45.70	23.78 1.95 20.04	17.91 1.77 26.74	43.28 2.21 3.35	40.93 2.09 14.64	32.47 3.21 34.16	29.26 1.94 40.99	38.01 1.22 23.71	38.60 2.00 25.66	33.04 1.13 18.85	44.20 0.88 7.94
MOONROAD_115KV_HARTFLD_TB1-2 355988	47.55 0.16 0.00	45.08 -0.60 0.00	44.98 -0.86 0.00	41.45 -0.84 0.00	40.27 -0.60 0.00	46.98 -1.14 0.00	63.12 -2.02 0.00	143.30 -4.35 0.00	99.94 -3.47 0.00	49.46 -0.74 0.00	45.14 0.17 0.00	46.62 -0.24 0.00	40.98 -0.62 0.00	40.69 -1.17 0.00	39.94 -1.93 0.00	40.34 -2.54 0.00	41.42 -3.00 0.00	51.21 -2.26 0.00	61.06 -2.36 0.00	66.76 -1.55 0.00	58.88 -1.63 0.00	61.23 -1.03 0.00	50.10 -0.67 0.00	51.49 0.23 0.00

MORRIS_RIDGE___SOLAR 323848	46.41 -0.98 0.00	44.55 -1.13 0.00	44.71 -1.13 0.00	41.21 -1.08 0.00	39.91 -0.95 0.00	46.80 -1.32 0.00	62.46 -2.69 0.00	141.20 -6.45 0.00	98.11 -5.31 0.00	48.11 -2.10 0.00	43.53 -1.44 0.00	45.54 -1.31 0.00	40.25 -1.35 0.00	39.99 -1.87 0.00	40.11 -1.76 0.00	40.80 -2.09 0.00	42.00 -2.41 0.00	51.37 -2.10 0.00	61.31 -2.11 0.00	66.57 -1.74 0.00	58.86 -1.65 0.00	60.85 -1.41 0.00	49.67 -1.10 0.00	50.94 -0.32 0.00
MORTIMER_115KV_TB3 55949	46.96 -0.42 0.00	44.86 -0.82 0.00	44.97 -0.87 0.00	41.46 -0.83 0.00	40.16 -0.71 0.00	47.19 -0.92 0.00	63.30 -1.85 0.00	143.50 -4.14 0.00	100.31 -3.10 0.00	49.29 -0.91 0.00	44.63 -0.34 0.00	46.56 -0.29 0.00	41.43 -0.17 0.00	41.47 -0.39 0.00	41.24 -0.63 0.00	41.97 -0.91 0.00	43.28 -1.13 0.00	52.39 -1.09 0.00	62.29 -1.14 0.00	67.25 -1.06 0.00	59.52 -0.99 0.00	61.31 -0.95 0.00	49.94 -0.83 0.00	50.82 -0.44 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	49.43 2.05 0.00	47.63 1.95 0.00	47.77 1.94 0.00	43.94 1.64 0.00	42.45 1.58 0.00	50.10 1.98 0.00	67.97 2.83 0.00	155.50 7.85 0.00	108.04 4.63 0.00	52.52 2.32 0.00	47.16 2.19 0.00	49.37 2.52 0.00	43.72 2.13 0.00	44.28 2.42 0.00	44.34 2.47 0.00	45.28 2.40 0.00	46.82 2.40 0.00	55.99 2.52 0.00	66.71 3.29 0.00	71.48 3.17 0.00	62.93 2.42 0.00	65.05 2.79 0.00	53.10 2.33 0.00	53.41 2.15 0.00
MUNSVILLE_WIND_PWR 323609	49.93 2.55 0.00	47.97 2.29 0.00	48.08 2.25 0.00	44.35 2.07 0.00	43.20 2.33 0.00	50.91 2.80 0.00	69.73 4.59 0.00	159.00 11.36 0.00	110.22 6.80 0.00	52.93 2.73 0.00	47.16 2.19 0.00	48.88 2.03 0.00	43.38 1.78 0.00	43.63 1.73 0.00	43.36 1.22 0.00	44.62 1.40 0.00	47.03 2.29 0.00	56.94 2.86 0.00	67.89 3.87 0.00	73.14 4.58 0.00	64.72 4.01 0.00	66.43 3.84 0.00	54.39 2.86 0.00	54.66 2.87 0.00
N SALMON___HYD 24042	49.25 1.86 0.00	47.34 1.66 0.00	47.42 1.58 0.00	43.71 1.42 0.00	42.35 1.48 0.00	50.00 1.88 0.00	67.63 2.49 0.00	153.61 5.96 0.00	189.19 5.47 -80.31	52.66 2.46 0.00	46.99 2.02 0.00	50.83 3.98 0.00	44.44 2.84 0.00	43.28 1.42 0.00	43.11 1.24 0.00	44.23 1.35 0.00	45.61 1.19 0.00	55.25 1.78 0.00	65.60 2.17 0.00	70.74 2.44 0.00	62.87 2.35 0.00	64.65 2.39 0.00	52.76 1.99 0.00	53.27 2.02 0.00
N.AKRON___115KV_KNAPP 355671	46.85 -0.54 0.00	44.41 -1.27 0.00	44.54 -1.30 0.00	41.01 -1.28 0.00	39.79 -1.08 0.00	46.62 -1.50 0.00	61.55 -3.59 0.00	139.19 -8.45 0.00	97.30 -6.12 0.00	48.42 -1.78 0.00	44.24 -0.73 0.00	46.09 -0.76 0.00	41.11 -0.49 0.00	40.97 -0.89 0.00	40.51 -1.35 0.00	41.00 -1.88 0.00	42.00 -2.41 0.00	51.01 -2.46 0.00	60.83 -2.59 0.00	65.91 -2.39 0.00	58.36 -2.15 0.00	60.33 -1.93 0.00	49.27 -1.50 0.00	50.72 -0.54 0.00
N.E_GEN_SANDY PD 24062	47.19 0.61 0.80	46.47 0.79 0.00	46.63 0.79 0.00	43.08 0.79 0.00	41.72 0.82 -0.03	47.20 1.04 1.95	68.06 1.25 -1.67	137.91 2.01 11.74	93.29 1.83 11.96	49.51 -0.01 0.69	44.73 -0.23 0.00	46.87 0.02 0.00	41.46 -0.13 0.00	42.04 0.18 0.00	42.48 0.61 0.00	43.73 0.85 0.00	45.42 1.00 0.00	54.58 1.10 0.00	65.56 1.24 -0.90	70.87 1.31 -1.25	63.17 1.35 -1.31	63.25 1.00 0.00	48.09 0.73 3.41	51.98 0.72 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	49.22 1.83 0.00	47.42 1.74 0.00	47.56 1.73 0.00	43.74 1.45 0.00	42.27 1.41 0.00	49.97 1.85 0.00	68.04 2.90 0.00	155.58 7.94 0.00	108.03 4.61 0.00	52.35 2.15 0.00	46.98 2.01 0.00	49.17 2.31 0.00	43.54 1.94 0.00	44.11 2.25 0.00	44.11 2.24 0.00	44.97 2.09 0.00	46.54 2.12 0.00	55.74 2.27 0.00	66.49 3.07 0.00	71.23 2.92 0.00	62.69 2.18 0.00	64.80 2.54 0.00	52.87 2.10 0.00	53.23 1.98 0.00
N.QUEENS_27_KV_LOAD 356247	49.36 1.97 0.01	47.53 1.86 0.01	47.68 1.85 0.01	43.86 1.58 0.01	42.38 1.53 0.01	50.08 1.96 0.00	68.06 2.92 0.00	155.76 8.12 0.00	108.22 4.80 0.00	52.61 2.41 0.00	47.21 2.24 0.00	49.41 2.55 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.37 2.50 0.00	45.30 2.42 0.00	46.78 2.36 0.00	55.91 2.43 0.00	66.67 3.25 0.00	71.41 3.10 0.00	62.82 2.31 0.00	64.99 2.73 0.00	53.07 2.30 0.01	53.29 2.03 0.01
N.TROY___115KV_TB1 355778	48.15 0.76 0.00	46.58 0.90 0.00	46.73 0.90 0.00	43.16 0.87 0.00	41.76 0.89 0.00	49.24 1.12 0.00	66.62 1.48 0.00	150.42 2.78 0.00	105.56 2.14 0.00	50.60 0.40 0.00	45.17 0.21 0.00	47.25 0.39 0.00	41.82 0.22 0.00	42.25 0.39 0.00	42.61 0.75 0.00	43.85 0.97 0.00	45.52 1.11 0.00	54.75 1.27 0.00	64.91 1.49 0.00	69.86 1.55 0.00	61.99 1.48 0.00	63.49 1.23 0.00	51.70 0.93 0.00	52.14 0.88 0.00
NARROWS_GT1_1 24228	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT1_2 24229	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT1_3 24230	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT1_4 24231	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT1_5 24232	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00

NARROWS_GT1_6 24233	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT1_7 24234	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT1_8 24235	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT2_1 24236	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT2_2 24237	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT2_3 24238	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT2_4 24239	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT2_5 24240	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT2_6 24241	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT2_7 24242	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NARROWS_GT2_8 24243	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.98 2.56 0.00	56.17 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.36 2.59 0.00	53.68 2.43 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	48.22 0.84 0.00	46.62 0.94 0.00	46.82 0.99 0.00	43.22 0.93 0.00	42.28 1.41 0.00	50.20 2.08 0.00	68.28 3.13 0.00	154.98 7.34 0.00	108.55 5.14 0.00	52.16 1.95 0.00	46.08 1.11 0.00	47.93 1.07 0.00	42.57 0.98 0.00	42.81 0.95 0.00	42.97 1.10 0.00	44.36 1.48 0.00	45.70 1.28 0.00	55.04 1.56 0.00	65.38 1.96 0.00	70.27 1.96 0.00	62.29 1.78 0.00	63.84 1.58 0.00	51.98 1.21 0.00	52.32 1.06 0.00
NCHELSEA_115KV_TR2 355582	49.36 1.98 0.00	47.59 1.91 0.00	47.79 1.95 0.00	43.95 1.65 0.00	42.44 1.58 0.00	50.13 2.01 0.00	68.04 2.90 0.00	155.39 7.75 0.00	108.07 4.65 0.00	52.33 2.13 0.00	46.88 1.92 0.00	49.02 2.16 0.00	43.45 1.85 0.00	43.97 2.11 0.00	44.07 2.21 0.00	45.09 2.21 0.00	46.67 2.26 0.00	55.94 2.46 0.00	66.65 3.23 0.00	71.45 3.14 0.00	63.00 2.49 0.00	65.04 2.78 0.00	53.07 2.30 0.00	53.41 2.15 0.00
NEG CAPITAL____MECHNVIL 23645	48.85 1.46 0.00	47.23 1.55 0.00	47.35 1.52 0.00	43.73 1.44 0.00	42.36 1.50 0.00	49.96 1.85 0.00	67.73 2.59 0.00	153.02 5.38 0.00	107.24 3.83 0.00	51.55 1.35 0.00	46.01 1.04 0.00	48.08 1.23 0.00	42.58 0.98 0.00	42.87 1.01 0.00	43.25 1.38 0.00	44.42 1.54 0.00	46.21 1.79 0.00	55.67 2.20 0.00	66.02 2.60 0.00	71.05 2.74 0.00	62.99 2.48 0.00	64.50 2.24 0.00	52.49 1.72 0.00	52.92 1.66 0.00
NEG CENTRAL_HIGH_ACRES 23767	46.05 -1.33 0.00	44.08 -1.60 0.00	44.19 -1.64 0.00	40.78 -1.51 0.00	39.49 -1.38 0.00	46.44 -1.67 0.00	62.49 -2.65 0.00	141.78 -5.87 0.00	99.04 -4.38 0.00	48.49 -1.71 0.00	43.79 -1.17 0.00	45.67 -1.18 0.00	40.64 -0.95 0.00	40.68 -1.14 0.04	40.28 -1.33 0.26	41.00 -1.55 0.33	42.37 -1.73 0.31	51.04 -1.85 0.59	60.74 -2.09 0.60	65.89 -2.18 0.24	58.33 -1.99 0.19	59.89 -2.05 0.32	48.29 -1.74 0.75	49.25 -1.48 0.53



NEG CENTRAL___DRP 24199	47.15 -0.23 0.00	45.41 -0.27 0.00	45.52 -0.32 0.00	42.07 -0.22 0.00	40.71 -0.16 0.00	47.86 -0.25 0.00	64.68 -0.46 0.00	146.04 -1.60 0.00	101.81 -1.61 0.00	49.70 -0.50 0.00	44.68 -0.29 0.00	46.49 -0.36 0.00	41.34 -0.26 0.00	41.49 -0.37 0.00	41.52 -0.35 0.00	42.34 -0.54 0.00	43.84 -0.58 0.00	52.99 -0.49 0.00	62.98 -0.44 0.00	67.94 -0.37 0.00	60.08 -0.43 0.00	61.85 -0.41 0.00	50.34 -0.43 0.00	51.03 -0.23 0.00
NEG CENTRAL___INDECK 23768	48.18 0.79 0.00	46.07 0.39 0.00	46.27 0.43 0.00	42.64 0.35 0.00	41.37 0.50 0.00	48.63 0.51 0.00	65.33 0.19 0.00	148.50 0.86 0.00	103.40 -0.02 0.00	50.59 0.39 0.00	45.19 0.22 0.00	47.55 0.69 0.00	41.91 0.31 0.00	41.63 -0.23 0.00	41.87 0.00 0.00	42.43 -0.45 0.00	43.94 -0.48 0.00	53.96 0.49 0.00	64.42 1.00 0.00	69.80 1.49 0.00	61.76 1.25 0.00	63.59 1.33 0.00	51.74 0.97 0.00	52.74 1.48 0.00
NEG CENTRAL___SENECA 23627	47.26 -0.13 0.00	45.50 -0.18 0.00	45.61 -0.23 0.00	42.14 -0.16 0.00	40.82 -0.04 0.00	47.92 -0.19 0.00	64.64 -0.51 0.00	145.75 -1.89 0.00	101.55 -1.87 0.00	49.72 -0.48 0.00	44.81 -0.15 0.00	46.64 -0.22 0.00	41.42 -0.18 0.00	41.54 -0.32 0.00	41.55 -0.31 0.00	42.33 -0.55 0.00	43.76 -0.66 0.00	52.97 -0.51 0.00	63.05 -0.37 0.00	68.14 -0.17 0.00	60.20 -0.31 0.00	61.95 -0.30 0.00	50.41 -0.36 0.00	51.17 -0.09 0.00
NEG CENTRAL___STATE_STREET 24147	47.33 -0.06 0.00	45.57 -0.11 0.00	45.66 -0.18 0.00	42.26 -0.03 0.00	40.74 -0.12 0.00	48.08 -0.04 0.00	65.17 0.03 0.00	147.13 -0.51 0.00	102.60 -0.82 0.00	50.01 -0.19 0.00	44.76 -0.21 0.00	46.61 -0.24 0.00	41.48 -0.12 0.00	41.56 -0.30 0.00	41.57 -0.30 0.00	42.50 -0.38 0.00	44.15 -0.27 0.00	53.34 -0.13 0.00	63.38 -0.04 0.00	68.36 0.05 0.00	60.50 -0.01 0.00	62.17 -0.09 0.00	50.61 -0.16 0.00	51.19 -0.07 0.00
NEG MILLWOOD___DRP 24198	49.48 2.09 0.00	47.69 2.01 0.00	47.87 2.03 0.00	44.02 1.73 0.00	42.52 1.65 0.00	50.25 2.13 0.00	68.23 3.09 0.00	155.93 8.29 0.00	108.43 5.01 0.00	52.55 2.35 0.00	47.10 2.14 0.00	49.24 2.38 0.00	43.63 2.03 0.00	44.15 2.29 0.00	44.23 2.37 0.00	45.24 2.35 0.00	46.80 2.39 0.00	56.07 2.59 0.00	66.82 3.40 0.00	71.62 3.32 0.00	63.10 2.59 0.00	65.16 2.90 0.00	53.15 2.38 0.00	53.48 2.22 0.00
NEG NORTH_FLCN_SEA 23793	48.67 1.29 0.00	47.03 1.35 0.00	47.18 1.35 0.00	43.59 1.30 0.00	42.30 1.43 0.00	49.92 1.81 0.00	66.86 1.71 0.00	151.39 3.75 0.00	107.16 3.75 0.00	51.77 1.57 0.00	46.26 1.30 0.00	47.91 1.05 0.00	42.55 0.95 0.00	42.57 0.71 0.00	42.53 0.66 0.00	44.01 1.13 0.00	45.27 0.85 0.00	54.81 1.34 0.00	64.87 1.44 0.00	69.59 1.28 0.00	61.59 1.08 0.00	63.07 0.81 0.00	51.69 0.92 0.00	52.47 1.21 0.00
NEG NORTH_KES_CHATEGAY 23792	48.53 1.14 0.00	46.73 1.05 0.00	46.85 1.01 0.00	43.20 0.91 0.00	41.84 0.97 0.00	49.36 1.24 0.00	66.58 1.44 0.00	150.95 3.31 0.00	129.79 3.23 -23.15	51.72 1.52 0.00	46.19 1.22 0.00	47.80 0.95 0.00	42.49 0.89 0.00	42.59 0.72 0.00	42.46 0.59 0.00	43.63 0.75 0.00	45.09 0.68 0.00	54.60 1.12 0.00	64.73 1.32 0.00	69.63 1.32 0.00	61.76 1.25 0.00	63.48 1.23 0.00	51.82 1.06 0.00	52.40 1.14 0.00
NEG NORTH___ALICE_FALLS 23915	48.92 1.53 0.00	47.19 1.51 0.00	47.33 1.49 0.00	43.70 1.41 0.00	42.38 1.52 0.00	50.04 1.92 0.00	67.27 2.12 0.00	152.56 4.92 0.00	108.09 4.67 0.00	52.21 2.01 0.00	46.63 1.66 0.00	48.28 1.42 0.00	42.86 1.26 0.00	42.87 1.01 0.00	42.78 0.91 0.00	44.14 1.25 0.00	45.53 1.11 0.00	55.17 1.69 0.00	65.39 1.97 0.00	70.24 1.93 0.00	62.20 1.69 0.00	63.71 1.45 0.00	52.06 1.29 0.00	52.79 1.53 0.00
NEG NORTH___LWR_SARANAC 23913	48.92 1.53 0.00	47.19 1.51 0.00	47.33 1.49 0.00	43.70 1.41 0.00	42.38 1.52 0.00	50.04 1.92 0.00	67.27 2.12 0.00	152.56 4.92 0.00	108.09 4.67 0.00	52.21 2.01 0.00	46.63 1.66 0.00	48.28 1.42 0.00	42.86 1.26 0.00	42.87 1.01 0.00	42.78 0.91 0.00	44.14 1.25 0.00	45.53 1.11 0.00	55.17 1.69 0.00	65.39 1.97 0.00	70.24 1.93 0.00	62.20 1.69 0.00	63.71 1.45 0.00	52.06 1.29 0.00	52.79 1.53 0.00
NEG NORTH___PLATTSBURG 23628	48.92 1.53 0.00	47.19 1.51 0.00	47.33 1.49 0.00	43.70 1.41 0.00	42.38 1.51 0.00	50.04 1.92 0.00	67.27 2.12 0.00	152.56 4.92 0.00	108.09 4.67 0.00	52.21 2.01 0.00	46.62 1.66 0.00	48.28 1.42 0.00	42.86 1.26 0.00	42.87 1.01 0.00	42.78 0.91 0.00	44.13 1.25 0.00	45.53 1.11 0.00	55.17 1.69 0.00	65.39 1.97 0.00	70.24 1.93 0.00	62.19 1.68 0.00	63.70 1.45 0.00	52.06 1.29 0.00	52.79 1.53 0.00
NEG WEST_LEA_LOCKPORT 23791	46.20 -1.19 0.00	43.78 -1.90 0.00	43.89 -1.94 0.00	40.40 -1.89 0.00	39.20 -1.67 0.00	45.84 -2.27 0.00	60.27 -4.87 0.00	135.97 -11.67 0.00	95.04 -8.37 0.00	47.47 -2.73 0.00	43.59 -1.37 0.00	45.55 -1.31 0.00	40.59 -1.01 0.00	40.39 -1.48 0.00	39.88 -1.99 0.00	40.32 -2.56 0.00	41.21 -3.20 0.00	50.00 -3.47 0.00	59.59 -3.84 0.00	64.58 -3.73 0.00	57.24 -3.27 0.00	59.27 -2.99 0.00	48.46 -2.31 0.00	50.01 -1.25 0.00
NEG WEST___LANCASTR 23811	46.32 -1.07 0.00	44.13 -1.55 0.00	44.18 -1.65 0.00	40.72 -1.57 0.00	39.52 -1.34 0.00	46.22 -1.90 0.00	61.32 -3.82 0.00	138.39 -9.25 0.00	96.34 -7.08 0.00	47.92 -2.28 0.00	43.92 -1.05 0.00	45.86 -1.00 0.00	40.72 -0.88 0.00	40.67 -1.20 0.00	40.39 -1.47 0.00	40.85 -2.03 0.00	41.82 -2.59 0.00	50.75 -2.73 0.00	60.51 -2.91 0.00	65.45 -2.85 0.00	57.95 -2.56 0.00	59.99 -2.28 0.00	49.04 -1.74 0.00	50.36 -0.90 0.00
NEG_PENN_ALLEGHNY 23528	47.59 0.20 0.00	45.88 0.21 0.00	46.04 0.20 0.00	42.49 0.20 0.00	41.14 0.28 0.00	48.29 0.18 0.00	65.29 0.15 0.00	148.02 0.38 0.00	102.99 -0.42 0.00	50.08 -0.12 0.00	45.05 0.08 0.00	46.95 0.09 0.00	41.70 0.10 0.00	42.01 0.11 -0.04	42.16 -0.01 -0.30	43.12 -0.14 -0.38	44.62 -0.15 -0.36	53.99 -0.15 -0.67	64.07 -0.02 -0.68	68.76 0.17 -0.28	60.74 0.02 -0.21	62.72 0.10 -0.37	51.63 0.01 -0.85	52.08 0.22 -0.60
NEG___GEN_MONROE 24207	47.32 -0.07 0.00	45.21 -0.47 0.00	45.21 -0.63 0.00	41.72 -0.57 0.00	40.42 -0.44 0.00	47.53 -0.59 0.00	63.56 -1.58 0.00	144.10 -3.54 0.00	100.72 -2.69 0.00	49.51 -0.69 0.00	44.84 -0.13 0.00	46.77 -0.08 0.00	41.56 -0.04 0.00	41.64 -0.22 0.00	41.39 -0.47 0.00	42.09 -0.79 0.00	43.33 -1.08 0.00	52.56 -0.91 0.00	62.58 -0.84 0.00	67.59 -0.72 0.00	59.83 -0.69 0.00	61.65 -0.61 0.00	50.21 -0.56 0.00	51.15 -0.10 0.00
NEPA___ENERGY 23901	46.71 -0.68 0.00	44.60 -1.07 0.00	44.62 -1.21 0.00	41.19 -1.10 0.00	40.09 -0.78 0.00	46.78 -1.33 0.00	62.55 -2.59 0.00	141.25 -6.39 0.00	97.93 -5.49 0.00	48.33 -1.87 0.00	44.21 -0.76 0.00	45.99 -0.86 0.00	40.73 -0.87 0.00	40.76 -1.10 0.00	40.32 -1.55 0.00	40.79 -2.09 0.00	41.91 -2.50 0.00	50.91 -2.57 0.00	60.71 -2.71 0.00	66.09 -2.22 0.00	58.25 -2.26 0.00	60.32 -1.94 0.00	49.18 -1.59 0.00	50.62 -0.63 0.00

NEVERSINK___HYD 23608	48.82 1.43 0.00	47.08 1.40 0.00	47.30 1.46 0.00	43.51 1.21 0.00	41.98 1.11 0.00	49.58 1.47 0.00	67.57 2.43 0.00	154.29 6.65 0.00	107.22 3.81 0.00	51.63 1.43 0.00	46.14 1.17 0.00	48.27 1.41 0.00	42.59 0.99 0.00	41.98 0.12 0.00	42.21 0.34 0.00	43.57 0.69 0.00	44.80 0.38 0.00	53.72 0.24 0.00	64.04 0.62 0.00	68.72 0.41 0.00	60.81 0.30 0.00	64.42 2.16 0.00	52.56 1.79 0.00	52.90 1.64 0.00
NEWKRMKL_115KV_TB1 55635	47.36 -0.02 0.00	45.78 0.10 0.00	45.98 0.14 0.00	42.43 0.13 0.00	41.03 0.16 0.00	48.31 0.20 0.00	65.44 0.30 0.00	147.97 0.33 0.00	103.65 0.23 0.00	49.93 -0.27 0.00	44.64 -0.32 0.00	46.62 -0.23 0.00	41.34 -0.26 0.00	41.76 -0.10 0.00	42.07 0.20 0.00	43.19 0.31 0.00	44.83 0.42 0.00	53.79 0.31 0.00	63.79 0.37 0.00	68.57 0.26 0.00	60.74 0.23 0.00	62.37 0.11 0.00	50.82 0.05 0.00	51.22 -0.04 0.00
NEWTON___FALLS_HYD 23847	48.98 1.60 0.00	46.89 1.21 0.00	46.85 1.02 0.00	43.28 0.99 0.00	42.08 1.22 0.00	49.71 1.59 0.00	67.79 2.65 0.00	153.68 6.05 0.00	277.36 4.76 -169.19	52.15 1.95 0.00	46.44 1.47 0.00	48.62 1.76 0.00	43.14 1.54 0.00	42.93 1.07 0.00	42.57 0.70 0.00	43.47 0.58 0.00	44.77 0.35 0.00	54.55 1.08 0.00	64.71 1.29 0.00	70.27 1.96 0.00	62.77 2.26 0.00	64.85 2.59 0.00	52.94 2.17 0.00	53.41 2.16 0.00
NGRID_A1_DSASP 323792	45.87 -1.52 0.00	43.47 -2.21 0.00	43.59 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.44 -2.68 0.00	59.36 -5.78 0.00	133.56 -14.08 0.00	93.38 -10.04 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.27 -1.58 0.00	40.36 -1.24 0.00	39.98 -1.74 0.15	38.63 -2.23 1.01	38.87 -2.77 1.24	39.82 -3.43 1.17	47.19 -4.11 2.18	56.49 -4.72 2.21	62.63 -4.78 0.90	55.66 -4.15 0.70	57.25 -3.81 1.20	45.13 -2.87 2.77	47.61 -1.69 1.96
NGRID_A2_DSASP 323793	45.87 -1.52 0.00	43.47 -2.21 0.00	43.59 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.44 -2.68 0.00	59.36 -5.78 0.00	133.56 -14.08 0.00	93.38 -10.04 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.27 -1.58 0.00	40.36 -1.24 0.00	39.98 -1.74 0.15	38.63 -2.23 1.01	38.87 -2.77 1.24	39.82 -3.43 1.17	47.19 -4.11 2.18	56.49 -4.72 2.21	62.63 -4.78 0.90	55.66 -4.15 0.70	57.25 -3.81 1.20	45.13 -2.87 2.77	47.61 -1.69 1.96
NGRID_A4_DSASP 323807	45.87 -1.52 0.00	43.47 -2.21 0.00	43.59 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.44 -2.68 0.00	59.36 -5.78 0.00	133.56 -14.08 0.00	93.38 -10.04 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.27 -1.58 0.00	40.36 -1.24 0.00	39.98 -1.74 0.15	38.63 -2.23 1.01	38.87 -2.77 1.24	39.82 -3.43 1.17	47.19 -4.11 2.18	56.49 -4.72 2.21	62.63 -4.78 0.90	55.66 -4.15 0.70	57.25 -3.81 1.20	45.13 -2.87 2.77	47.61 -1.69 1.96
NIAGARA_115E_LBMP 323715	45.52 -1.87 0.00	43.08 -2.60 0.00	43.21 -2.63 0.00	39.79 -2.50 0.00	38.61 -2.25 0.00	45.10 -3.02 0.00	59.14 -6.00 0.00	133.24 -14.40 0.00	93.19 -10.23 0.00	46.70 -3.50 0.00	42.99 -1.98 0.00	44.88 -1.98 0.00	40.04 -1.56 0.00	39.68 -2.04 0.14	38.28 -2.61 0.98	38.43 -3.25 1.20	39.41 -3.87 1.13	46.95 -4.41 2.11	56.30 -4.98 2.14	62.49 -4.94 0.88	55.53 -4.31 0.68	57.09 -4.01 1.16	44.95 -3.14 2.68	47.36 -2.00 1.90
NIAGARA_115W_LBMP 323714	45.78 -1.61 0.00	43.38 -2.30 0.00	43.50 -2.34 0.00	40.02 -2.27 0.00	38.80 -2.07 0.00	45.35 -2.77 0.00	59.18 -5.96 0.00	133.12 -14.52 0.00	93.09 -10.33 0.00	46.65 -3.55 0.00	43.21 -1.75 0.00	45.18 -1.68 0.00	40.27 -1.33 0.00	39.90 -1.82 0.15	38.55 -2.32 1.01	38.80 -2.84 1.24	39.76 -3.49 1.17	47.11 -4.19 2.18	56.37 -4.84 2.21	62.50 -4.90 0.90	55.55 -4.27 0.70	57.14 -3.92 1.20	45.05 -2.95 2.77	47.52 -1.78 1.96
NIAGARA_230_LBMP 323716	45.90 -1.48 0.00	43.53 -2.15 0.00	43.64 -2.19 0.00	40.17 -2.12 0.00	38.95 -1.92 0.00	45.51 -2.60 0.00	59.80 -5.35 0.00	134.84 -12.80 0.00	94.21 -9.20 0.00	47.08 -3.12 0.00	43.36 -1.61 0.00	45.30 -1.56 0.00	40.38 -1.22 0.00	40.03 -1.68 0.15	38.70 -2.17 1.00	38.94 -2.70 1.23	39.93 -3.33 1.16	47.50 -3.81 2.17	56.93 -4.30 2.20	63.14 -4.27 0.90	56.10 -3.72 0.70	57.68 -3.39 1.19	45.43 -2.59 2.76	47.78 -1.52 1.95
NIAGARA___115KV_198_GIBSON 55903	45.78 -1.61 0.00	43.38 -2.30 0.00	43.50 -2.34 0.00	40.02 -2.27 0.00	38.80 -2.07 0.00	45.37 -2.74 0.00	59.19 -5.95 0.00	133.14 -14.51 0.00	93.12 -10.29 0.00	46.65 -3.55 0.00	43.21 -1.75 0.00	45.18 -1.67 0.00	40.29 -1.31 0.00	40.04 -1.82 0.00	39.56 -2.31 0.00	40.04 -2.84 0.00	40.85 -3.57 0.00	49.28 -4.20 0.00	58.57 -4.86 0.00	63.42 -4.89 0.00	56.25 -4.26 0.00	58.29 -3.97 0.00	47.80 -2.97 0.00	49.46 -1.80 0.00
NIAGARA____ 23760	45.90 -1.48 0.00	43.53 -2.15 0.00	43.64 -2.19 0.00	40.17 -2.12 0.00	38.95 -1.92 0.00	45.51 -2.60 0.00	59.80 -5.35 0.00	134.84 -12.80 0.00	94.21 -9.20 0.00	47.08 -3.12 0.00	43.36 -1.61 0.00	45.30 -1.56 0.00	40.38 -1.22 0.00	40.03 -1.68 0.15	38.71 -2.17 0.99	38.95 -2.70 1.22	39.94 -3.33 1.15	47.51 -3.81 2.15	56.94 -4.30 2.18	63.15 -4.27 0.89	56.10 -3.72 0.69	57.69 -3.39 1.18	45.46 -2.59 2.73	47.82 -1.52 1.92
NINE_MILE_1 23575	45.73 -1.65 0.00	44.04 -1.64 0.00	44.19 -1.65 0.00	40.82 -1.47 0.00	39.45 -1.42 0.00	46.40 -1.72 0.00	62.84 -2.30 0.00	142.30 -5.35 0.00	99.56 -3.86 0.00	48.41 -1.79 0.00	43.40 -1.56 0.00	45.19 -1.66 0.00	40.19 -1.41 0.00	40.42 -1.44 0.00	40.41 -1.45 0.00	41.36 -1.53 0.00	42.85 -1.56 0.00	51.62 -1.85 0.00	61.21 -2.21 0.00	65.95 -2.36 0.00	58.41 -2.10 0.00	60.01 -2.25 0.00	48.94 -1.83 0.00	49.43 -1.83 0.00
NINE_MILE_2 23744	45.73 -1.65 0.00	44.05 -1.63 0.00	44.19 -1.65 0.00	40.82 -1.47 0.00	39.45 -1.41 0.00	46.40 -1.71 0.00	62.85 -2.29 0.00	142.31 -5.34 0.00	99.56 -3.86 0.00	48.41 -1.79 0.00	43.40 -1.56 0.00	45.20 -1.66 0.00	40.20 -1.40 0.00	40.44 -1.42 0.00	40.42 -1.44 0.00	41.36 -1.53 0.00	42.85 -1.56 0.00	51.62 -1.85 0.00	61.21 -2.21 0.00	65.95 -2.36 0.00	58.42 -2.10 0.00	60.01 -2.24 0.00	48.95 -1.83 0.00	49.43 -1.83 0.00
NM_CAPITAL___DRP 24208	47.30 -0.08 0.00	45.74 0.06 0.00	45.93 0.10 0.00	42.39 0.10 0.00	40.99 0.12 0.00	48.31 0.19 0.00	65.34 0.20 0.00	147.71 0.07 0.00	103.51 0.09 0.00	49.82 -0.38 0.00	44.52 -0.45 0.00	46.52 -0.33 0.00	41.24 -0.36 0.00	41.68 -0.18 0.00	41.98 0.12 0.00	43.12 0.23 0.00	44.74 0.32 0.00	53.67 0.20 0.00	63.66 0.24 0.00	68.44 0.13 0.00	60.65 0.14 0.00	62.27 0.01 0.00	50.76 -0.02 0.00	51.16 -0.10 0.00
NM_CENTRAL___DRP 24181	46.57 -0.82 0.00	44.84 -0.84 0.00	44.99 -0.85 0.00	41.56 -0.73 0.00	40.20 -0.67 0.00	47.25 -0.87 0.00	64.03 -1.11 0.00	145.12 -2.53 0.00	101.44 -1.97 0.00	49.32 -0.89 0.00	44.20 -0.77 0.00	46.06 -0.79 0.00	40.96 -0.64 0.00	41.22 -0.64 0.00	41.20 -0.66 0.00	42.16 -0.73 0.00	43.67 -0.74 0.00	52.61 -0.86 0.00	62.40 -1.03 0.00	67.22 -1.09 0.00	59.51 -1.00 0.00	61.14 -1.12 0.00	49.83 -0.94 0.00	50.34 -0.92 0.00

NM_FRONTIER___DRP 24179	45.78 -1.61 0.00	43.38 -2.30 0.00	43.50 -2.34 0.00	40.02 -2.27 0.00	38.80 -2.07 0.00	45.37 -2.74 0.00	59.19 -5.95 0.00	133.14 -14.51 0.00	93.12 -10.29 0.00	46.65 -3.55 0.00	43.21 -1.75 0.00	45.18 -1.67 0.00	40.29 -1.31 0.00	40.04 -1.82 0.00	39.56 -2.31 0.00	40.04 -2.84 0.00	40.85 -3.57 0.00	49.28 -4.20 0.00	58.57 -4.86 0.00	63.42 -4.89 0.00	56.25 -4.26 0.00	58.29 -3.97 0.00	47.80 -2.97 0.00	49.46 -1.80 0.00
NM_ST_REGIS___HYD 24053	49.47 2.08 0.00	47.48 1.80 0.00	47.50 1.67 0.00	43.80 1.51 0.00	42.49 1.62 0.00	50.17 2.06 0.00	68.03 2.89 0.00	154.32 6.67 0.00	323.81 5.74 -214.67	52.69 2.49 0.00	47.02 2.06 0.00	49.74 2.88 0.00	43.88 2.28 0.00	43.36 1.50 0.00	43.10 1.23 0.00	43.96 1.08 0.00	45.21 0.79 0.00	54.83 1.35 0.00	65.12 1.70 0.00	70.58 2.27 0.00	63.02 2.51 0.00	64.93 2.67 0.00	53.10 2.33 0.00	53.62 2.36 0.00
NORTHPORT___1 23551	48.49 1.10 0.00	46.73 1.05 0.00	46.97 1.13 0.00	43.06 0.77 0.00	38.86 0.52 2.53	11.02 0.65 37.75	38.99 1.12 27.26	71.63 3.47 79.47	33.41 1.54 71.54	38.90 0.84 12.14	46.28 1.31 0.00	48.47 1.61 0.00	42.95 1.35 0.00	43.53 1.67 0.00	42.64 1.51 0.73	16.90 1.12 27.10	42.11 1.09 3.40	39.63 0.99 14.83	30.35 1.54 34.62	27.97 1.21 41.54	37.23 0.76 24.04	37.33 1.07 26.01	32.65 0.98 19.11	48.89 1.23 3.60
NORTHPORT___2 23552	48.49 1.10 0.00	46.73 1.05 0.00	46.97 1.13 0.00	43.06 0.77 0.00	38.86 0.52 2.53	11.02 0.65 37.75	38.99 1.12 27.26	71.63 3.47 79.47	33.41 1.54 71.54	38.90 0.84 12.14	46.28 1.31 0.00	48.47 1.61 0.00	42.95 1.35 0.00	43.53 1.67 0.00	42.64 1.51 0.73	16.90 1.12 27.10	42.11 1.09 3.40	39.63 0.99 14.83	30.35 1.54 34.62	27.97 1.21 41.54	37.23 0.76 24.04	37.33 1.07 26.01	32.65 0.98 19.11	48.89 1.23 3.60
NORTHPORT___3 23553	48.42 1.04 0.00	46.65 0.97 0.00	46.89 1.06 0.00	42.99 0.70 0.00	38.82 0.47 2.52	10.21 0.59 38.49	11.01 1.05 55.18	50.90 3.27 100.01	33.48 1.29 71.22	38.84 0.72 12.08	46.18 1.22 0.00	48.59 1.53 -0.21	43.55 1.28 -0.67	44.62 1.59 -1.16	43.07 1.45 0.24	16.93 1.03 26.98	42.03 0.99 3.38	39.58 0.87 14.77	30.37 1.42 34.46	28.02 1.07 41.36	37.21 0.62 23.93	37.32 0.95 25.89	32.62 0.88 19.02	48.92 1.13 3.47
NORTHPORT___4 23650	48.42 1.04 0.00	46.65 0.97 0.00	46.89 1.06 0.00	42.99 0.70 0.00	38.82 0.47 2.52	10.21 0.59 38.49	11.01 1.05 55.18	50.90 3.27 100.01	33.48 1.29 71.22	38.84 0.72 12.08	46.18 1.22 0.00	48.59 1.53 -0.21	43.55 1.28 -0.67	44.62 1.59 -1.16	43.07 1.45 0.24	16.93 1.03 26.98	42.03 0.99 3.38	39.58 0.87 14.77	30.37 1.42 34.46	28.02 1.07 41.36	37.21 0.62 23.93	37.32 0.95 25.89	32.62 0.88 19.02	48.92 1.13 3.47
NORTHPORT___IC 23718	48.50 1.11 0.00	46.72 1.04 0.00	46.97 1.13 0.00	43.06 0.77 0.00	38.86 0.52 2.53	11.02 0.65 37.75	39.01 1.13 27.26	71.65 3.48 79.47	33.41 1.53 71.54	38.91 0.84 12.14	46.28 1.31 0.00	48.46 1.61 0.00	42.95 1.35 0.00	43.52 1.66 0.00	42.65 1.52 0.73	16.90 1.12 27.10	42.13 1.11 3.40	39.64 1.00 14.83	30.37 1.57 34.62	28.00 1.24 41.54	37.25 0.77 24.04	37.36 1.11 26.01	32.67 1.01 19.11	48.89 1.23 3.60
NORTH___COUNTRY_ESR 323785	48.42 1.03 0.00	46.62 0.94 0.00	46.74 0.90 0.00	43.10 0.81 0.00	41.73 0.86 0.00	49.23 1.11 0.00	66.41 1.27 0.00	150.50 2.86 0.00	129.83 2.84 -23.57	51.61 1.41 0.00	46.14 1.17 0.00	47.78 0.93 0.00	42.48 0.88 0.00	42.59 0.72 0.00	42.46 0.59 0.00	43.59 0.71 0.00	45.03 0.61 0.00	54.46 0.99 0.00	64.54 1.12 0.00	69.47 1.16 0.00	61.60 1.08 0.00	63.30 1.04 0.00	51.66 0.89 0.00	52.26 1.00 0.00
NPX_GEN_1385_PROXY 323591	48.36 0.97 0.00	46.62 0.94 0.00	46.86 1.03 0.00	42.96 0.67 0.00	38.90 0.56 2.53	10.94 0.66 37.84	44.62 1.34 21.86	71.85 3.68 79.47	33.63 1.76 71.54	24.98 0.65 25.87	46.22 1.25 0.00	48.48 1.62 0.00	38.97 1.19 3.83	35.91 1.51 7.46	40.00 1.36 3.23	16.80 1.02 27.10	41.48 1.09 4.02	39.80 1.16 14.83	30.18 1.38 34.62	27.78 1.01 41.54	37.09 0.61 24.04	37.55 1.30 26.01	30.58 1.07 21.27	46.30 1.04 6.01
NPX_GEN_CSC 323557	47.91 0.52 0.00	46.11 0.43 0.00	46.34 0.51 0.00	42.57 0.29 0.00	38.47 0.10 2.50	11.34 0.17 36.94	57.36 0.87 8.66	82.25 3.55 68.94	34.92 2.15 70.65	39.60 1.38 11.98	46.50 1.54 0.00	39.64 0.99 8.21	15.86 0.80 26.54	-2.86 1.13 45.85	22.81 1.05 20.11	17.05 0.92 26.76	41.64 1.20 3.98	39.64 0.81 14.64	30.60 1.36 34.18	28.36 1.07 41.02	37.66 0.88 23.73	37.63 1.04 25.68	30.34 0.59 21.02	43.78 0.48 7.96
NSINS_S_GLNS_FALLS 23858	48.81 1.42 0.00	47.21 1.53 0.00	47.26 1.42 0.00	43.74 1.45 0.00	42.41 1.55 0.00	50.11 2.00 0.00	68.05 2.91 0.00	153.50 5.86 0.00	107.47 4.05 0.00	51.60 1.40 0.00	46.10 1.13 0.00	48.24 1.39 0.00	42.78 1.18 0.00	42.88 1.02 0.00	43.31 1.44 0.00	44.57 1.69 0.00	46.26 1.85 0.00	55.87 2.40 0.00	66.26 2.84 0.00	71.40 3.09 0.00	63.21 2.70 0.00	64.54 2.28 0.00	52.47 1.70 0.00	52.89 1.64 0.00
NUCOR_STEEL___DRP 24197	47.28 -0.11 0.00	45.52 -0.16 0.00	45.61 -0.23 0.00	42.22 -0.07 0.00	40.68 -0.18 0.00	48.03 -0.09 0.00	65.13 -0.01 0.00	147.02 -0.62 0.00	102.51 -0.91 0.00	49.97 -0.23 0.00	44.72 -0.24 0.00	46.58 -0.27 0.00	41.46 -0.14 0.00	41.51 -0.34 0.00	41.51 -0.36 0.00	42.46 -0.42 0.00	44.12 -0.29 0.00	53.31 -0.17 0.00	63.33 -0.09 0.00	68.29 -0.02 0.00	60.46 -0.05 0.00	62.10 -0.15 0.00	50.56 -0.21 0.00	51.15 -0.11 0.00
NUMBER_THREE_WT_PWR 323818	48.57 1.19 0.00	46.42 0.74 0.00	46.32 0.48 0.00	42.87 0.57 0.00	41.80 0.94 0.00	49.41 1.29 0.00	67.72 2.58 0.00	154.28 6.64 0.00	181.79 4.66 -73.71	52.12 1.92 0.00	46.27 1.30 0.00	48.21 1.35 0.00	42.75 1.15 0.00	42.69 0.83 0.00	42.38 0.51 0.00	43.47 0.59 0.00	44.90 0.48 0.00	54.98 1.50 0.00	65.06 1.64 0.00	70.57 2.26 0.00	62.88 2.37 0.00	64.79 2.53 0.00	52.79 2.02 0.00	53.25 1.99 0.00
NYISO_LBMP_REFERENCE 24008	47.39 0.00 0.00	45.68 0.00 0.00	45.84 0.00 0.00	42.29 0.00 0.00	40.87 0.00 0.00	48.12 0.00 0.00	65.14 0.00 0.00	147.64 0.00 0.00	103.42 0.00 0.00	50.20 0.00 0.00	44.97 0.00 0.00	46.85 0.00 0.00	41.60 0.00 0.00	41.86 0.00 0.00	41.87 0.00 0.00	42.88 0.00 0.00	44.42 0.00 0.00	53.47 0.00 0.00	63.42 0.00 0.00	68.31 0.00 0.00	60.51 0.00 0.00	62.26 0.00 0.00	50.77 0.00 0.00	51.26 0.00 0.00
NYPA_BRENTWD____GT 24164	49.08 1.69 0.00	47.24 1.56 0.00	47.44 1.60 0.00	43.52 1.23 0.00	39.43 0.96 2.40	13.82 1.09 35.39	54.74 1.82 12.22	86.89 4.72 65.46	38.02 2.57 67.97	40.10 1.41 11.52	46.80 1.84 0.00	48.24 2.15 0.77	40.93 1.81 2.48	39.74 2.16 4.28	41.39 2.03 2.51	18.70 1.55 25.72	42.91 1.72 3.22	41.13 1.73 14.08	32.96 2.40 32.86	31.03 2.15 39.43	39.28 1.58 22.81	39.46 1.88 24.68	34.27 1.63 18.13	49.38 1.94 3.82

NYPA_GOWANUS____GT5 24156	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.96 2.55 0.00	56.17 2.70 0.00	67.03 3.60 0.00	71.78 3.47 0.00	63.20 2.69 0.00	65.37 3.11 0.00	53.35 2.58 0.00	53.68 2.43 0.00
NYPA_GOWANUS____GT6 24157	49.70 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.18 0.00	68.27 3.13 0.00	156.25 8.61 0.00	108.54 5.12 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.62 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.96 2.55 0.00	56.17 2.70 0.00	67.03 3.60 0.00	71.78 3.47 0.00	63.20 2.69 0.00	65.37 3.11 0.00	53.35 2.58 0.00	53.68 2.43 0.00
NYPA_HARLEM__RVR__GT1 24160	49.33 1.95 0.01	47.52 1.86 0.02	47.67 1.85 0.02	43.85 1.57 0.02	42.37 1.52 0.01	50.03 1.91 0.00	67.96 2.82 0.00	155.49 7.85 0.00	108.06 4.65 0.00	52.52 2.32 0.00	47.12 2.16 0.00	49.34 2.48 0.00	43.70 2.10 0.00	44.26 2.40 0.00	44.30 2.44 0.00	45.24 2.35 0.00	46.70 2.28 0.00	55.80 2.33 0.00	66.55 3.13 0.00	71.28 2.97 0.00	62.72 2.21 0.00	64.89 2.63 0.00	53.02 2.25 0.00	53.28 2.02 0.00
NYPA_HARLEM__RVR__GT2 24161	49.33 1.95 0.01	47.52 1.86 0.02	47.67 1.85 0.02	43.85 1.57 0.02	42.37 1.52 0.01	50.03 1.91 0.00	67.96 2.82 0.00	155.49 7.85 0.00	108.06 4.65 0.00	52.52 2.32 0.00	47.12 2.16 0.00	49.34 2.48 0.00	43.70 2.10 0.00	44.26 2.40 0.00	44.30 2.44 0.00	45.24 2.35 0.00	46.70 2.28 0.00	55.80 2.33 0.00	66.55 3.13 0.00	71.28 2.97 0.00	62.72 2.21 0.00	64.89 2.63 0.00	53.02 2.25 0.00	53.28 2.02 0.00
NYPA_KENT____GT 24152	49.65 2.26 0.00	47.83 2.15 0.00	47.95 2.11 0.00	44.12 1.83 0.00	42.62 1.75 0.00	50.27 2.16 0.00	68.18 3.04 0.00	156.09 8.45 0.00	108.43 5.01 0.00	52.77 2.56 0.00	47.41 2.44 0.00	49.61 2.76 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	46.97 2.55 0.00	56.15 2.68 0.00	66.97 3.55 0.00	71.73 3.42 0.00	63.15 2.63 0.00	65.32 3.06 0.00	53.34 2.57 0.00	53.65 2.39 0.00
NYPA_POUCH1____GT 24155	49.65 2.26 0.00	47.83 2.15 0.00	47.94 2.11 0.00	44.12 1.83 0.00	42.63 1.77 0.00	50.26 2.14 0.00	68.16 3.02 0.00	155.94 8.30 0.00	108.30 4.88 0.00	52.70 2.50 0.00	47.34 2.37 0.00	49.50 2.64 0.00	43.81 2.21 0.00	44.36 2.50 0.00	44.43 2.56 0.00	45.39 2.51 0.00	46.86 2.44 0.00	56.02 2.55 0.00	66.91 3.49 0.00	71.70 3.39 0.00	63.13 2.62 0.00	65.28 3.02 0.00	53.28 2.52 0.00	53.75 2.49 0.00
NYPA_VERNON____GT2 24162	49.60 2.21 0.00	47.79 2.11 0.00	47.91 2.08 0.00	44.09 1.80 0.00	42.60 1.74 0.00	50.23 2.12 0.00	68.11 2.98 0.00	155.91 8.26 0.00	108.32 4.90 0.00	52.71 2.51 0.00	47.38 2.41 0.00	49.60 2.75 0.00	43.95 2.34 0.00	44.50 2.64 0.00	44.55 2.68 0.00	45.49 2.61 0.00	46.98 2.56 0.00	56.14 2.66 0.00	66.91 3.48 0.00	71.66 3.35 0.00	63.09 2.58 0.00	65.26 3.00 0.00	53.31 2.54 0.00	53.61 2.35 0.00
NYPA_VERNON____GT3 24163	49.60 2.21 0.00	47.79 2.11 0.00	47.91 2.08 0.00	44.09 1.80 0.00	42.60 1.74 0.00	50.23 2.12 0.00	68.11 2.98 0.00	155.91 8.26 0.00	108.32 4.90 0.00	52.71 2.51 0.00	47.38 2.41 0.00	49.60 2.75 0.00	43.95 2.34 0.00	44.50 2.64 0.00	44.55 2.68 0.00	45.49 2.61 0.00	46.98 2.56 0.00	56.14 2.66 0.00	66.91 3.48 0.00	71.66 3.35 0.00	63.09 2.58 0.00	65.26 3.00 0.00	53.31 2.54 0.00	53.61 2.35 0.00
NYPA____ASTORIA_CC1 323568	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.07 1.78 0.00	42.57 1.70 0.00	50.19 2.07 0.00	68.05 2.91 0.00	155.73 8.09 0.00	108.19 4.78 0.00	52.66 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.46 2.61 0.00	44.51 2.64 0.00	45.46 2.58 0.00	46.94 2.52 0.00	56.08 2.60 0.00	66.83 3.41 0.00	71.58 3.27 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.27 2.50 0.00	53.56 2.30 0.00
NYPA____ASTORIA_CC2 323569	49.56 2.18 0.00	47.76 2.08 0.00	47.89 2.05 0.00	44.07 1.78 0.00	42.57 1.70 0.00	50.19 2.07 0.00	68.05 2.91 0.00	155.73 8.09 0.00	108.19 4.78 0.00	52.66 2.46 0.00	47.33 2.37 0.00	49.56 2.70 0.00	43.92 2.32 0.00	44.46 2.61 0.00	44.51 2.64 0.00	45.46 2.58 0.00	46.94 2.52 0.00	56.08 2.60 0.00	66.83 3.41 0.00	71.58 3.27 0.00	63.01 2.50 0.00	65.20 2.94 0.00	53.27 2.50 0.00	53.56 2.30 0.00
NYPA____HOLTSVILL 23794	48.31 0.92 0.00	46.50 0.82 0.00	46.73 0.89 0.00	42.89 0.60 0.00	38.74 0.38 2.51	11.63 0.48 36.97	51.45 1.02 14.72	81.66 3.59 69.57	34.53 1.94 70.83	39.35 1.17 12.01	46.37 1.40 0.00	39.89 1.25 8.21	16.09 1.05 26.56	-2.65 1.38 45.89	23.03 1.29 20.12	17.12 1.06 26.83	42.25 1.20 3.36	39.80 1.01 14.68	30.78 1.63 34.27	28.51 1.33 41.12	37.64 0.92 23.79	37.68 1.17 25.74	32.71 0.85 18.91	44.23 0.94 7.97
NYPA____HELLGATE_GT1 24158	49.34 1.95 0.00	47.54 1.86 0.00	47.68 1.85 0.00	43.86 1.57 0.00	42.38 1.52 0.00	50.03 1.91 0.00	67.96 2.82 0.00	155.48 7.83 0.00	108.00 4.58 0.00	52.50 2.30 0.00	47.12 2.16 0.00	49.34 2.48 0.00	43.71 2.11 0.00	44.26 2.40 0.00	44.30 2.44 0.00	45.24 2.35 0.00	46.68 2.26 0.00	55.80 2.33 0.00	66.55 3.13 0.00	71.28 2.97 0.00	62.72 2.21 0.00	64.89 2.63 0.00	52.97 2.21 0.01	53.24 1.99 0.01
NYPA____HELLGATE_GT2 24159	49.34 1.95 0.00	47.54 1.86 0.00	47.68 1.85 0.00	43.86 1.57 0.00	42.38 1.52 0.00	50.03 1.91 0.00	67.96 2.82 0.00	155.48 7.83 0.00	108.00 4.58 0.00	52.50 2.30 0.00	47.12 2.16 0.00	49.34 2.48 0.00	43.71 2.11 0.00	44.26 2.40 0.00	44.30 2.44 0.00	45.24 2.35 0.00	46.68 2.26 0.00	55.80 2.33 0.00	66.55 3.13 0.00	71.28 2.97 0.00	62.72 2.21 0.00	64.89 2.63 0.00	52.97 2.21 0.01	53.24 1.99 0.01
NYS_BARGE____HYD 23848	46.21 -1.18 0.00	43.77 -1.91 0.00	43.88 -1.96 0.00	40.40 -1.89 0.00	39.20 -1.67 0.00	45.82 -2.30 0.00	60.27 -4.87 0.00	135.99 -11.65 0.00	95.06 -8.35 0.00	47.50 -2.70 0.00	43.61 -1.35 0.00	45.54 -1.31 0.00	40.59 -1.00 0.00	40.27 -1.46 0.13	39.01 -1.98 0.88	39.23 -2.57 1.08	40.28 -3.11 1.02	48.11 -3.47 1.90	57.67 -3.83 1.93	63.80 -3.72 0.79	56.63 -3.26 0.61	58.25 -2.97 1.04	46.04 -2.31 2.42	48.31 -1.23 1.71
OAK ORCHARD____HYD 24046	46.96 -0.42 0.00	44.86 -0.82 0.00	44.97 -0.87 0.00	41.46 -0.83 0.00	40.16 -0.70 0.00	47.18 -0.93 0.00	63.29 -1.85 0.00	143.50 -4.14 0.00	100.31 -3.10 0.00	49.28 -0.92 0.00	44.62 -0.34 0.00	46.56 -0.29 0.00	41.43 -0.17 0.00	41.41 -0.39 0.06	40.81 -0.64 0.41	41.44 -0.91 0.52	42.84 -1.08 0.49	51.47 -1.08 0.92	61.36 -1.13 0.93	66.86 -1.06 0.38	59.22 -0.99 0.30	60.83 -0.93 0.50	48.79 -0.81 1.17	50.01 -0.42 0.83

OAKDALE___35_KV_LOAD 356122	47.36 -0.03 0.00	45.67 -0.01 0.00	45.83 -0.01 0.00	42.30 0.00 0.00	40.95 0.08 0.00	48.06 -0.06 0.00	64.96 -0.18 0.00	147.23 -0.41 0.00	102.44 -0.97 0.00	49.86 -0.34 0.00	44.84 -0.12 0.00	46.76 -0.10 0.00	41.51 -0.09 0.00	41.78 -0.08 0.00	41.69 -0.17 0.00	42.57 -0.31 0.00	44.07 -0.34 0.00	53.05 -0.42 0.00	63.07 -0.35 0.00	68.12 -0.19 0.00	60.21 -0.30 0.00	62.04 -0.22 0.00	50.55 -0.22 0.00	51.24 -0.02 0.00
OCC_CHEM___DRP 24175	45.87 -1.52 0.00	43.46 -2.21 0.00	43.58 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.47 -2.65 0.00	59.35 -5.79 0.00	133.57 -14.07 0.00	93.42 -10.00 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.29 -1.57 0.00	40.37 -1.23 0.00	40.12 -1.74 0.00	39.64 -2.23 0.00	40.11 -2.77 0.00	40.89 -3.52 0.00	49.36 -4.12 0.00	58.68 -4.74 0.00	63.53 -4.78 0.00	56.35 -4.16 0.00	58.40 -3.86 0.00	47.88 -2.89 0.00	49.55 -1.71 0.00
OH_GEN_PROXY 24063	45.92 -1.46 0.00	43.57 -2.11 0.00	43.68 -2.16 0.00	40.20 -2.09 0.00	38.99 -1.88 0.00	45.48 -2.55 0.09	65.38 -5.16 -5.40	135.38 -12.26 0.00	94.55 -8.87 0.00	47.19 -3.01 0.00	43.42 -1.55 0.00	45.37 -1.48 0.00	40.42 -1.18 0.00	40.10 -1.61 0.15	38.73 -2.09 1.05	38.95 -2.62 1.31	39.33 -3.24 1.85	44.12 -3.67 5.68	56.97 -4.13 2.33	63.27 -4.09 0.95	56.22 -3.56 0.74	57.76 -3.24 1.26	43.18 -2.52 5.07	47.68 -1.51 2.07
OLIN_CORP_DRP 24177	45.59 -1.79 0.00	43.16 -2.52 0.00	43.30 -2.54 0.00	39.86 -2.43 0.00	38.68 -2.19 0.00	45.21 -2.91 0.00	59.31 -5.83 0.00	133.58 -14.06 0.00	93.43 -9.98 0.00	46.79 -3.41 0.00	43.06 -1.91 0.00	44.98 -1.88 0.00	40.12 -1.48 0.00	39.90 -1.97 0.00	39.34 -2.52 0.00	39.73 -3.15 0.00	40.57 -3.84 0.00	49.17 -4.30 0.00	58.57 -4.85 0.00	63.52 -4.78 0.00	56.32 -4.19 0.00	58.35 -3.91 0.00	47.71 -3.06 0.00	49.33 -1.93 0.00
OLIN_CORP_DSASP 323712	45.87 -1.52 0.00	43.47 -2.21 0.00	43.59 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.44 -2.68 0.00	59.36 -5.78 0.00	133.56 -14.08 0.00	93.38 -10.04 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.27 -1.58 0.00	40.36 -1.24 0.00	39.98 -1.74 0.15	38.63 -2.23 1.01	38.87 -2.77 1.24	39.82 -3.43 1.17	47.19 -4.11 2.18	56.49 -4.72 2.21	62.63 -4.78 0.90	55.66 -4.15 0.70	57.25 -3.81 1.20	45.13 -2.87 2.77	47.61 -1.69 1.96
ONEIDA_HERK_LFGE 323681	48.37 0.99 0.00	46.46 0.77 0.00	46.50 0.66 0.00	42.99 0.70 0.00	41.76 0.89 0.00	49.30 1.18 0.00	67.26 2.12 0.00	152.90 5.26 0.00	141.32 3.50 -34.40	51.70 1.49 0.00	46.10 1.14 0.00	48.00 1.14 0.00	42.58 0.98 0.00	42.74 0.87 0.00	42.63 0.76 0.00	43.74 0.86 0.00	45.31 0.89 0.00	54.95 1.48 0.00	65.04 1.62 0.00	70.30 1.99 0.00	62.40 1.89 0.00	64.20 1.94 0.00	52.29 1.52 0.00	52.73 1.47 0.00
ONEIDA___115KV_TB4 55905	48.21 0.83 0.00	46.43 0.75 0.00	46.57 0.74 0.00	43.11 0.82 0.00	41.82 0.95 0.00	49.46 1.35 0.00	67.36 2.22 0.00	153.09 5.45 0.00	122.65 3.44 -15.80	51.71 1.51 0.00	46.20 1.23 0.00	48.01 1.16 0.00	42.71 1.11 0.00	42.87 1.01 0.00	42.92 1.06 0.00	44.04 1.16 0.00	45.75 1.33 0.00	55.23 1.76 0.00	65.24 1.82 0.00	70.38 2.07 0.00	62.28 1.77 0.00	64.01 1.75 0.00	52.12 1.35 0.00	52.55 1.30 0.00
ONONDAGA_REF_OCCRA 23987	46.90 -0.49 0.00	45.16 -0.52 0.00	45.31 -0.53 0.00	41.84 -0.45 0.00	40.48 -0.38 0.00	47.61 -0.51 0.00	64.58 -0.56 0.00	146.36 -1.28 0.00	102.25 -1.17 0.00	49.67 -0.54 0.00	44.48 -0.49 0.00	46.37 -0.48 0.00	41.21 -0.39 0.00	41.47 -0.39 0.00	41.46 -0.40 0.00	42.45 -0.43 0.00	43.99 -0.42 0.00	53.01 -0.47 0.00	62.90 -0.52 0.00	67.80 -0.51 0.00	59.99 -0.52 0.00	61.64 -0.62 0.00	50.21 -0.56 0.00	50.72 -0.54 0.00
ONONDAGA___COGEN 23986	46.83 -0.56 0.00	45.10 -0.58 0.00	45.25 -0.59 0.00	41.80 -0.49 0.00	40.42 -0.45 0.00	47.56 -0.56 0.00	64.49 -0.65 0.00	146.04 -1.61 0.00	102.02 -1.39 0.00	49.57 -0.63 0.00	44.40 -0.57 0.00	46.27 -0.58 0.00	41.14 -0.46 0.00	41.37 -0.49 0.00	41.38 -0.49 0.00	42.35 -0.54 0.00	43.89 -0.53 0.00	52.90 -0.57 0.00	62.76 -0.67 0.00	67.63 -0.67 0.00	59.87 -0.64 0.00	61.52 -0.74 0.00	50.12 -0.65 0.00	50.62 -0.64 0.00
ONTARIO___LFGE 23819	47.26 -0.13 0.00	45.49 -0.19 0.00	45.62 -0.22 0.00	42.14 -0.15 0.00	40.83 -0.04 0.00	47.92 -0.20 0.00	64.64 -0.51 0.00	145.76 -1.89 0.00	101.56 -1.86 0.00	49.72 -0.48 0.00	44.81 -0.15 0.00	46.64 -0.22 0.00	41.42 -0.18 0.00	41.54 -0.33 0.00	41.56 -0.31 0.00	42.34 -0.54 0.00	43.78 -0.64 0.00	52.96 -0.51 0.00	63.06 -0.36 0.00	68.14 -0.17 0.00	60.20 -0.31 0.00	61.95 -0.30 0.00	50.41 -0.36 0.00	51.18 -0.08 0.00
ORANGEVILLE_WT_PWR 323706	46.34 -1.04 0.00	44.29 -1.39 0.00	44.42 -1.42 0.00	40.91 -1.38 0.00	39.63 -1.24 0.00	46.44 -1.68 0.00	61.68 -3.47 0.00	139.39 -8.25 0.00	97.07 -6.35 0.00	47.93 -2.27 0.00	43.56 -1.41 0.00	45.44 -1.42 0.00	40.24 -1.36 0.00	39.94 -1.88 0.04	39.67 -1.93 0.27	40.30 -2.22 0.36	41.43 -2.64 0.34	50.28 -2.55 0.64	60.11 -2.67 0.65	65.68 -2.36 0.27	58.15 -2.16 0.20	60.01 -1.90 0.35	48.53 -1.43 0.81	50.14 -0.55 0.57
ORANGEVILLE___ESR 323794	46.34 -1.04 0.00	44.29 -1.39 0.00	44.42 -1.42 0.00	40.91 -1.38 0.00	39.63 -1.24 0.00	46.44 -1.68 0.00	61.68 -3.47 0.00	139.39 -8.25 0.00	97.07 -6.35 0.00	47.93 -2.27 0.00	43.56 -1.41 0.00	45.44 -1.42 0.00	40.24 -1.36 0.00	39.94 -1.88 0.04	39.67 -1.93 0.27	40.30 -2.22 0.36	41.43 -2.64 0.34	50.28 -2.55 0.64	60.11 -2.67 0.65	65.68 -2.36 0.27	58.15 -2.16 0.20	60.01 -1.90 0.35	48.53 -1.43 0.81	50.14 -0.55 0.57
OSWEGATCHIE___HYD 24044	48.98 1.60 0.00	46.89 1.21 0.00	46.85 1.02 0.00	43.28 0.99 0.00	42.08 1.22 0.00	49.71 1.59 0.00	67.79 2.65 0.00	153.69 6.05 0.00	277.36 4.75 -169.19	52.15 1.95 0.00	46.44 1.47 0.00	48.61 1.76 0.00	43.14 1.54 0.00	42.93 1.07 0.00	42.56 0.70 0.00	43.46 0.58 0.00	44.77 0.35 0.00	54.55 1.08 0.00	64.71 1.29 0.00	70.26 1.96 0.00	62.77 2.26 0.00	64.85 2.59 0.00	52.94 2.17 0.00	53.41 2.15 0.00
OSWEGO___5 23606	46.10 -1.29 0.00	44.40 -1.28 0.00	44.55 -1.29 0.00	41.15 -1.14 0.00	39.77 -1.09 0.00	46.77 -1.34 0.00	63.34 -1.80 0.00	143.44 -4.20 0.00	100.34 -3.08 0.00	48.79 -1.41 0.00	43.74 -1.22 0.00	45.56 -1.29 0.00	40.50 -1.09 0.00	40.75 -1.11 0.00	40.73 -1.14 0.00	41.67 -1.22 0.00	43.17 -1.24 0.00	52.03 -1.44 0.00	61.71 -1.72 0.00	66.50 -1.81 0.00	58.89 -1.62 0.00	60.51 -1.75 0.00	49.33 -1.43 0.00	49.84 -1.42 0.00
OSWEGO___6 23613	46.10 -1.29 0.00	44.40 -1.28 0.00	44.55 -1.29 0.00	41.15 -1.14 0.00	39.77 -1.09 0.00	46.77 -1.34 0.00	63.34 -1.80 0.00	143.44 -4.20 0.00	100.34 -3.08 0.00	48.79 -1.41 0.00	43.74 -1.22 0.00	45.56 -1.29 0.00	40.50 -1.09 0.00	40.75 -1.11 0.00	40.73 -1.14 0.00	41.67 -1.22 0.00	43.17 -1.24 0.00	52.03 -1.44 0.00	61.71 -1.72 0.00	66.50 -1.81 0.00	58.89 -1.62 0.00	60.51 -1.75 0.00	49.33 -1.43 0.00	49.84 -1.42 0.00

OUTOKUMPU-AB___DRP 24206	46.60 -0.78 0.00	44.15 -1.53 0.00	44.26 -1.58 0.00	40.73 -1.56 0.00	39.50 -1.37 0.00	46.21 -1.91 0.00	60.74 -4.40 0.00	137.07 -10.57 0.00	95.80 -7.61 0.00	47.83 -2.37 0.00	44.00 -0.96 0.00	45.98 -0.87 0.00	40.97 -0.63 0.00	40.75 -1.10 0.00	40.26 -1.61 0.00	40.75 -2.14 0.00	41.63 -2.79 0.00	50.42 -3.06 0.00	60.05 -3.37 0.00	65.04 -3.27 0.00	57.63 -2.88 0.00	59.67 -2.59 0.00	48.83 -1.94 0.00	50.38 -0.88 0.00
OXBOW___BTM 323836	46.20 -1.19 0.00	43.76 -1.92 0.00	43.87 -1.96 0.00	40.36 -1.93 0.00	39.15 -1.71 0.00	45.77 -2.35 0.00	60.00 -5.14 0.00	135.23 -12.41 0.00	94.53 -8.88 0.00	47.27 -2.93 0.00	43.64 -1.33 0.00	45.60 -1.25 0.00	40.63 -0.97 0.00	40.28 -1.44 0.15	38.92 -1.94 1.01	39.17 -2.47 1.24	40.17 -3.08 1.17	47.70 -3.59 2.18	57.15 -4.07 2.21	63.37 -4.04 0.90	56.26 -3.55 0.70	57.84 -3.22 1.20	45.56 -2.44 2.77	47.98 -1.32 1.96
OXBOW___ 24026	46.20 -1.19 0.00	43.77 -1.91 0.00	43.88 -1.96 0.00	40.36 -1.93 0.00	39.15 -1.71 0.00	45.79 -2.33 0.00	60.01 -5.13 0.00	135.24 -12.40 0.00	94.55 -8.87 0.00	47.28 -2.93 0.00	43.64 -1.33 0.00	45.61 -1.24 0.00	40.65 -0.95 0.00	40.42 -1.44 0.00	39.93 -1.94 0.00	40.40 -2.48 0.00	41.25 -3.17 0.00	49.86 -3.61 0.00	59.35 -4.07 0.00	64.26 -4.05 0.00	56.96 -3.55 0.00	59.00 -3.26 0.00	48.32 -2.45 0.00	49.93 -1.33 0.00
OXY_CHEM_DSASP 323612	45.87 -1.52 0.00	43.46 -2.21 0.00	43.58 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.47 -2.65 0.00	59.35 -5.79 0.00	133.57 -14.07 0.00	93.42 -10.00 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.29 -1.57 0.00	40.37 -1.23 0.00	40.12 -1.74 0.00	39.64 -2.23 0.00	40.11 -2.77 0.00	40.89 -3.52 0.00	49.36 -4.12 0.00	58.68 -4.74 0.00	63.53 -4.78 0.00	56.35 -4.16 0.00	58.40 -3.86 0.00	47.88 -2.89 0.00	49.55 -1.71 0.00
OZONE_PARK_ESR 323760	49.83 2.44 0.00	47.99 2.31 0.00	48.12 2.28 0.00	44.25 1.96 0.00	42.75 1.88 0.00	50.48 2.37 0.00	68.53 3.39 0.00	156.95 9.31 0.00	108.96 5.55 0.00	53.00 2.80 0.00	47.60 2.63 0.00	49.83 2.98 0.00	44.13 2.53 0.00	44.69 2.83 0.00	44.72 2.86 0.00	45.69 2.81 0.00	47.25 2.84 0.00	56.50 3.02 0.00	67.36 3.94 0.00	72.14 3.83 0.00	63.51 3.00 0.00	65.63 3.37 0.00	53.56 2.79 0.00	53.85 2.60 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	45.87 -1.52 0.00	43.46 -2.21 0.00	43.58 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.47 -2.65 0.00	59.35 -5.79 0.00	133.57 -14.07 0.00	93.42 -10.00 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.29 -1.57 0.00	40.37 -1.23 0.00	40.12 -1.74 0.00	39.64 -2.23 0.00	40.11 -2.77 0.00	40.89 -3.52 0.00	49.36 -4.12 0.00	58.68 -4.74 0.00	63.53 -4.78 0.00	56.35 -4.16 0.00	58.40 -3.86 0.00	47.88 -2.89 0.00	49.55 -1.71 0.00
PACKARD___115KV_DUPONT_184 80571	45.87 -1.52 0.00	43.47 -2.21 0.00	43.59 -2.25 0.00	40.10 -2.19 0.00	38.88 -1.99 0.00	45.44 -2.68 0.00	59.36 -5.78 0.00	133.56 -14.08 0.00	93.38 -10.04 0.00	46.79 -3.41 0.00	43.30 -1.66 0.00	45.27 -1.58 0.00	40.36 -1.24 0.00	39.98 -1.74 0.15	38.63 -2.23 1.01	38.87 -2.77 1.24	39.82 -3.43 1.17	47.19 -4.11 2.18	56.49 -4.72 2.21	62.63 -4.78 0.90	55.66 -4.15 0.70	57.25 -3.81 1.20	45.13 -2.87 2.77	47.61 -1.69 1.96
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	49.45 2.06 0.00	47.65 1.97 0.00	47.79 1.95 0.00	43.96 1.68 0.00	42.48 1.62 0.00	50.07 1.96 0.00	67.98 2.84 0.00	155.51 7.86 0.00	108.07 4.66 0.00	52.54 2.33 0.00	47.13 2.16 0.00	49.36 2.51 0.00	43.75 2.15 0.00	44.30 2.43 0.00	44.34 2.47 0.00	45.28 2.40 0.00	46.80 2.39 0.00	55.93 2.46 0.00	66.70 3.28 0.00	71.48 3.17 0.00	62.91 2.40 0.00	65.07 2.82 0.00	53.14 2.37 0.00	53.38 2.12 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	50.36 2.98 0.00	48.54 2.86 0.00	48.74 2.90 0.00	44.84 2.55 0.00	43.36 2.49 0.00	51.03 2.91 0.00	69.37 4.23 0.00	158.75 11.11 0.00	110.24 6.82 0.00	53.52 3.31 0.00	48.01 3.05 0.00	50.27 3.41 0.00	44.56 2.95 0.00	45.12 3.25 0.00	45.11 3.24 0.00	46.09 3.21 0.00	47.62 3.20 0.00	56.88 3.40 0.00	67.88 4.46 0.00	72.70 4.40 0.00	63.96 3.45 0.00	66.22 3.96 0.00	54.08 3.31 0.00	54.33 3.07 0.00
PATROON___115KV_TB1 80586	47.52 0.14 0.00	45.94 0.26 0.00	46.13 0.29 0.00	42.57 0.28 0.00	41.18 0.31 0.00	48.50 0.38 0.00	65.68 0.54 0.00	148.51 0.87 0.00	104.05 0.63 0.00	50.11 -0.09 0.00	44.79 -0.18 0.00	46.80 -0.05 0.00	41.47 -0.13 0.00	41.89 0.04 0.00	42.23 0.36 0.00	43.35 0.47 0.00	45.01 0.59 0.00	54.00 0.52 0.00	64.04 0.62 0.00	68.83 0.52 0.00	60.97 0.46 0.00	62.60 0.34 0.00	51.01 0.24 0.00	51.39 0.13 0.00
PATTRSNVILLE___SOLAR 323815	48.45 1.06 0.00	46.74 1.06 0.00	46.90 1.06 0.00	43.28 0.99 0.00	41.81 0.94 0.00	49.31 1.20 0.00	66.89 1.74 0.00	151.68 4.03 0.00	106.08 2.66 0.00	51.17 0.97 0.00	45.69 0.73 0.00	47.58 0.73 0.00	42.06 0.46 0.00	42.32 0.47 0.00	42.42 0.55 0.00	43.57 0.69 0.00	45.35 0.93 0.00	54.70 1.22 0.00	65.12 1.69 0.00	70.09 1.79 0.00	62.08 1.57 0.00	63.86 1.60 0.00	52.02 1.25 0.00	52.45 1.19 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	46.55 -0.84 0.00	44.28 -1.40 0.00	44.34 -1.50 0.00	40.84 -1.44 0.00	39.64 -1.22 0.00	46.37 -1.75 0.00	61.46 -3.69 0.00	138.81 -8.83 0.00	96.73 -6.68 0.00	48.14 -2.06 0.00	44.15 -0.81 0.00	46.09 -0.76 0.00	40.93 -0.67 0.00	40.85 -1.01 0.00	40.53 -1.33 0.00	41.00 -1.88 0.00	41.95 -2.46 0.00	50.90 -2.58 0.00	60.70 -2.72 0.00	65.73 -2.58 0.00	58.16 -2.35 0.00	60.20 -2.06 0.00	49.19 -1.58 0.00	50.60 -0.66 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	49.48 2.09 0.00	47.69 2.01 0.00	47.87 2.03 0.00	44.02 1.73 0.00	42.52 1.65 0.00	50.25 2.13 0.00	68.23 3.09 0.00	155.93 8.29 0.00	108.43 5.01 0.00	52.55 2.35 0.00	47.10 2.14 0.00	49.24 2.38 0.00	43.63 2.03 0.00	44.15 2.29 0.00	44.23 2.37 0.00	45.24 2.35 0.00	46.80 2.39 0.00	56.07 2.59 0.00	66.82 3.40 0.00	71.62 3.32 0.00	63.10 2.59 0.00	65.16 2.90 0.00	53.15 2.38 0.00	53.48 2.22 0.00
PEEKSKILL___ 23653	49.12 1.74 0.00	47.34 1.66 0.00	47.49 1.66 0.00	43.68 1.39 0.00	42.20 1.33 0.00	49.85 1.74 0.00	67.70 2.56 0.00	154.73 7.08 0.00	107.48 4.07 0.00	52.13 1.93 0.00	46.78 1.81 0.00	48.94 2.09 0.00	43.33 1.73 0.00	43.90 2.04 0.00	43.96 2.10 0.00	44.92 2.03 0.00	46.45 2.04 0.00	55.63 2.15 0.00	66.33 2.91 0.00	71.08 2.77 0.00	62.59 2.07 0.00	64.67 2.41 0.00	52.77 2.00 0.00	53.13 1.87 0.00
PGE MADISON___WINDPWR 24146	49.93 2.55 0.00	47.98 2.30 0.00	48.08 2.24 0.00	44.35 2.06 0.00	43.20 2.34 0.00	50.92 2.80 0.00	69.74 4.60 0.00	159.00 11.36 0.00	110.22 6.80 0.00	52.93 2.73 0.00	47.15 2.19 0.00	48.88 2.03 0.00	43.38 1.78 0.00	43.59 1.73 0.00	43.09 1.22 0.00	44.28 1.40 0.00	46.70 2.28 0.00	56.34 2.87 0.00	67.28 3.86 0.00	72.89 4.58 0.00	64.52 4.01 0.00	66.09 3.83 0.00	53.63 2.86 0.00	54.12 2.86 0.00

PIERCEFIELD___HYD 23852	49.48 2.09 0.00	47.46 1.78 0.00	47.48 1.64 0.00	43.77 1.48 0.00	42.47 1.60 0.00	50.15 2.03 0.00	68.07 2.93 0.00	154.33 6.68 0.00	358.50 5.59 -249.49	52.63 2.43 0.00	47.00 2.04 0.00	49.35 2.49 0.00	43.67 2.06 0.00	43.38 1.52 0.00	43.06 1.19 0.00	43.82 0.94 0.00	45.03 0.61 0.00	54.61 1.14 0.00	64.87 1.45 0.00	70.43 2.12 0.00	62.99 2.48 0.00	64.94 2.68 0.00	53.15 2.38 0.00	53.65 2.40 0.00
PINELAWN_CC_1 323563	48.94 1.56 0.00	47.11 1.43 0.00	47.32 1.48 0.00	43.40 1.11 0.00	39.35 0.59 2.11	17.83 0.63 30.92	63.16 1.05 3.04	96.61 3.08 54.11	42.53 1.33 62.21	40.96 0.89 10.13	46.17 1.20 0.00	47.84 1.35 0.36	41.53 1.11 1.18	41.26 1.44 2.04	41.77 1.38 1.48	21.31 1.05 22.61	42.74 1.16 2.83	42.03 0.93 12.38	36.10 1.56 28.89	34.83 1.19 34.67	41.19 0.74 20.06	41.95 1.39 21.70	36.50 1.68 15.94	49.87 1.81 3.20
PJM_GEN_HTTP_PROXY 323702	49.12 2.04 0.30	47.62 1.94 0.00	47.76 1.92 0.00	43.92 1.63 0.00	42.46 1.56 -0.03	44.64 1.98 5.46	67.96 2.82 0.00	155.53 7.88 0.00	92.67 4.57 15.32	52.61 2.33 -0.08	47.16 2.19 0.00	49.38 2.52 0.00	43.73 2.13 0.00	44.29 2.43 0.00	44.33 2.46 0.00	45.28 2.39 0.00	46.79 2.37 0.00	55.95 2.48 0.00	67.59 3.27 -0.90	72.68 3.12 -1.25	62.87 2.36 0.00	64.99 2.73 0.00	49.63 2.27 3.41	53.37 2.11 0.00
PJM_GEN_KEystone 24065	47.41 0.32 0.30	45.82 0.14 0.00	45.94 0.10 0.00	42.31 0.02 0.00	41.04 0.14 -0.03	42.72 0.06 5.46	64.91 -0.23 0.00	154.66 0.03 -6.99	89.84 -0.99 12.58	50.09 -0.19 -0.08	45.23 0.26 0.00	47.30 0.44 0.00	41.89 0.29 0.00	42.14 0.42 0.15	41.19 0.32 1.00	41.62 0.00 1.26	42.97 -0.21 1.23	51.29 -0.28 1.90	62.32 0.03 1.13	68.65 0.01 -0.34	59.50 -0.30 0.71	61.06 0.01 1.22	44.59 0.05 6.22	49.63 0.36 1.99
PJM_GEN_NEPTUNE_PROXY 323594	48.40 1.31 0.30	46.89 1.21 0.00	47.08 1.24 0.00	43.21 0.92 0.00	38.94 0.74 2.67	4.35 0.93 44.70	65.69 1.51 0.96	88.74 4.53 63.43	14.39 2.31 91.35	38.59 1.23 12.84	46.45 1.48 0.00	48.52 1.67 0.00	43.02 1.42 0.00	43.59 1.73 0.00	42.74 1.66 0.78	15.47 1.42 28.83	42.25 1.45 3.61	39.12 1.43 15.78	29.58 2.09 35.93	27.16 1.80 42.94	36.19 1.25 25.57	36.17 1.58 27.67	28.42 1.39 23.74	48.93 1.50 3.83
PJM_GEN_VFT_PROXY 323633	49.02 1.93 0.30	47.51 1.83 0.00	47.64 1.81 0.00	43.83 1.54 0.00	42.36 1.47 -0.03	44.55 1.89 5.46	67.83 2.69 0.00	155.21 7.57 0.00	92.44 4.33 15.32	52.46 2.19 -0.08	47.05 2.09 0.00	49.27 2.41 0.00	43.62 2.02 0.00	44.20 2.34 0.00	44.25 2.38 0.00	45.19 2.31 0.00	46.70 2.29 0.00	55.84 2.37 0.00	67.48 3.16 -0.90	72.56 3.00 -1.25	62.77 2.26 0.00	64.89 2.63 0.00	49.55 2.19 3.41	53.22 1.96 0.00
PLATSBURG_115KV_PMLD1 355749	48.74 1.35 0.00	47.10 1.42 0.00	47.26 1.42 0.00	43.67 1.38 0.00	42.37 1.50 0.00	50.00 1.89 0.00	67.06 1.91 0.00	151.81 4.17 0.00	107.45 4.04 0.00	51.92 1.71 0.00	46.39 1.43 0.00	48.06 1.21 0.00	42.70 1.10 0.00	42.72 0.86 0.00	42.68 0.81 0.00	44.10 1.22 0.00	45.40 0.99 0.00	54.96 1.49 0.00	65.06 1.64 0.00	69.80 1.49 0.00	61.77 1.25 0.00	63.24 0.98 0.00	51.76 0.99 0.00	52.54 1.28 0.00
PLEASANTVLY___LBMP 24000	48.70 1.31 0.00	47.00 1.32 0.00	47.20 1.37 0.00	43.40 1.12 0.00	41.91 1.04 0.00	49.45 1.34 0.00	67.05 1.90 0.00	153.00 5.36 0.00	106.46 3.04 0.00	51.63 1.43 0.00	46.30 1.33 0.00	48.41 1.56 0.00	42.89 1.29 0.00	43.41 1.55 0.00	43.50 1.64 0.00	44.49 1.61 0.00	46.03 1.61 0.00	55.09 1.62 0.00	65.59 2.17 0.00	70.33 2.03 0.00	62.04 1.53 0.00	64.05 1.79 0.00	52.31 1.54 0.00	52.66 1.40 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	49.18 1.79 0.00	47.40 1.72 0.00	47.56 1.72 0.00	43.74 1.45 0.00	42.24 1.38 0.00	49.90 1.78 0.00	67.71 2.56 0.00	154.76 7.12 0.00	107.55 4.13 0.00	52.20 2.00 0.00	46.84 1.87 0.00	49.00 2.14 0.00	43.39 1.79 0.00	43.94 2.07 0.00	44.00 2.14 0.00	44.99 2.10 0.00	46.53 2.12 0.00	55.67 2.20 0.00	66.35 2.93 0.00	71.09 2.79 0.00	62.67 2.16 0.00	64.72 2.46 0.00	52.83 2.06 0.00	53.19 1.93 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	49.18 1.79 0.00	47.40 1.72 0.00	47.56 1.72 0.00	43.74 1.45 0.00	42.24 1.38 0.00	49.90 1.78 0.00	67.71 2.56 0.00	154.76 7.12 0.00	107.55 4.13 0.00	52.20 2.00 0.00	46.84 1.87 0.00	49.00 2.14 0.00	43.39 1.79 0.00	43.94 2.07 0.00	44.00 2.14 0.00	44.99 2.10 0.00	46.53 2.12 0.00	55.67 2.20 0.00	66.35 2.93 0.00	71.09 2.79 0.00	62.67 2.16 0.00	64.72 2.46 0.00	52.83 2.06 0.00	53.19 1.93 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	49.06 1.67 0.00	47.32 1.64 0.00	47.52 1.69 0.00	43.71 1.42 0.00	42.20 1.33 0.00	49.82 1.71 0.00	67.58 2.44 0.00	154.23 6.59 0.00	107.32 3.91 0.00	51.99 1.79 0.00	46.57 1.60 0.00	48.68 1.83 0.00	43.13 1.52 0.00	43.66 1.80 0.00	43.77 1.90 0.00	44.73 1.85 0.00	46.39 1.97 0.00	55.62 2.15 0.00	66.22 2.80 0.00	71.03 2.72 0.00	62.67 2.16 0.00	64.66 2.40 0.00	52.77 2.00 0.00	53.13 1.87 0.00
POLETTI_____ 23519	48.94 1.56 0.01	47.15 1.48 0.01	47.29 1.46 0.01	43.51 1.23 0.01	42.05 1.19 0.01	49.68 1.56 0.00	67.52 2.38 0.00	154.46 6.81 0.00	107.35 3.94 0.00	52.18 1.97 0.00	46.81 1.84 0.00	49.00 2.14 0.00	43.40 1.79 0.00	43.96 2.09 0.00	44.00 2.13 0.00	44.94 2.05 0.00	46.40 1.99 0.00	55.43 1.96 0.00	66.12 2.70 0.00	70.83 2.52 0.00	62.30 1.79 0.00	64.45 2.19 0.00	52.62 1.86 0.01	52.66 1.41 0.01
POMONA___ESR 323819	49.21 1.83 0.00	47.42 1.74 0.00	47.56 1.73 0.00	43.74 1.45 0.00	42.27 1.41 0.00	49.97 1.85 0.00	68.04 2.90 0.00	155.58 7.94 0.00	108.03 4.62 0.00	52.35 2.15 0.00	46.98 2.01 0.00	49.17 2.32 0.00	43.54 1.94 0.00	44.11 2.25 0.00	44.10 2.24 0.00	44.98 2.10 0.00	46.52 2.10 0.00	55.73 2.26 0.00	66.47 3.04 0.00	71.22 2.91 0.00	62.68 2.17 0.00	64.80 2.54 0.00	52.85 2.08 0.00	53.22 1.97 0.00
PORT_JEFF_3 23555	48.39 1.00 0.00	46.57 0.89 0.00	46.80 0.96 0.00	42.96 0.67 0.00	38.82 0.45 2.50	11.82 0.57 36.86	52.42 1.18 13.89	82.72 3.93 68.85	34.83 2.09 70.69	39.49 1.28 11.99	46.46 1.50 0.00	39.86 1.34 8.34	15.77 1.13 26.96	-3.25 1.47 46.58	22.82 1.37 20.41	17.26 1.15 26.77	42.36 1.30 3.36	39.95 1.13 14.65	31.03 1.81 34.20	28.79 1.52 41.04	37.85 1.08 23.74	37.90 1.33 25.69	32.88 0.99 18.87	44.29 1.06 8.03
PORT_JEFF_4 23616	48.39 1.00 0.00	46.57 0.89 0.00	46.80 0.96 0.00	42.96 0.67 0.00	38.82 0.45 2.50	11.82 0.57 36.86	52.42 1.18 13.89	82.72 3.93 68.85	34.83 2.09 70.69	39.49 1.28 11.99	46.46 1.50 0.00	39.86 1.34 8.34	15.77 1.13 26.96	-3.25 1.47 46.58	22.82 1.37 20.41	17.26 1.15 26.77	42.36 1.30 3.36	39.95 1.13 14.65	31.03 1.81 34.20	28.79 1.52 41.04	37.85 1.08 23.74	37.90 1.33 25.69	32.88 0.99 18.87	44.29 1.06 8.03

PORT_JEFF_IC 23713	48.44 1.05 0.00	46.61 0.93 0.00	46.83 1.00 0.00	43.00 0.71 0.00	38.87 0.48 2.48	12.18 0.61 36.54	54.80 1.23 11.57	84.96 4.06 66.74	35.18 1.98 70.22	39.61 1.31 11.91	46.49 1.52 0.00	39.44 1.37 8.78	14.35 1.16 28.41	-5.73 1.50 49.08	21.79 1.40 21.47	17.48 1.19 26.59	42.44 1.36 3.33	40.10 1.18 14.55	31.36 1.91 33.96	29.19 1.64 40.76	38.10 1.17 23.58	38.17 1.42 25.52	33.09 1.06 18.75	44.13 1.12 8.24
PPL PILGRIM_ST_GT1 24216	49.08 1.69 0.00	47.24 1.56 0.00	47.44 1.60 0.00	43.52 1.23 0.00	39.43 0.96 2.40	13.82 1.09 35.39	54.74 1.82 12.22	86.89 4.72 65.46	38.02 2.57 67.97	40.10 1.41 11.52	46.80 1.84 0.00	48.24 2.15 0.77	40.93 1.81 2.48	39.74 2.16 4.28	41.39 2.03 2.51	18.70 1.55 25.72	42.91 1.72 3.22	41.13 1.73 14.08	32.96 2.40 32.86	31.03 2.15 39.43	39.28 1.58 22.81	39.46 1.88 24.68	34.27 1.63 18.13	49.38 1.94 3.82
PPL PILGRIM_ST_GT2 24217	49.08 1.69 0.00	47.24 1.56 0.00	47.44 1.60 0.00	43.52 1.23 0.00	39.43 0.96 2.40	13.82 1.09 35.39	54.74 1.82 12.22	86.89 4.72 65.46	38.02 2.57 67.97	40.10 1.41 11.52	46.80 1.84 0.00	48.24 2.15 0.77	40.93 1.81 2.48	39.74 2.16 4.28	41.39 2.03 2.51	18.70 1.55 25.72	42.91 1.72 3.22	41.13 1.73 14.08	32.96 2.40 32.86	31.03 2.15 39.43	39.28 1.58 22.81	39.46 1.88 24.68	34.27 1.63 18.13	49.38 1.94 3.82
PPL_SHRM_GT3 24213	47.84 0.45 0.00	46.04 0.36 0.00	46.28 0.44 0.00	42.52 0.22 0.00	38.41 0.04 2.49	11.50 0.10 36.72	52.73 0.84 13.25	83.01 3.55 68.18	35.24 2.28 70.45	39.68 1.43 11.95	46.50 1.54 0.00	39.48 0.91 8.28	15.55 0.73 26.78	-3.35 1.06 46.26	22.55 0.96 20.28	17.08 0.88 26.68	42.27 1.20 3.34	39.66 0.79 14.60	30.66 1.31 34.08	28.46 1.05 40.90	37.73 0.88 23.66	37.70 1.04 25.60	32.51 0.55 18.81	43.67 0.40 7.99
PPL_SHRM_GT4 24214	47.84 0.45 0.00	46.04 0.36 0.00	46.28 0.44 0.00	42.52 0.22 0.00	38.41 0.04 2.49	11.50 0.10 36.72	52.73 0.84 13.25	83.01 3.55 68.18	35.24 2.28 70.45	39.68 1.43 11.95	46.50 1.54 0.00	39.48 0.91 8.28	15.55 0.73 26.78	-3.35 1.06 46.26	22.55 0.96 20.28	17.08 0.88 26.68	42.27 1.20 3.34	39.66 0.79 14.60	30.66 1.31 34.08	28.46 1.05 40.90	37.73 0.88 23.66	37.70 1.04 25.60	32.51 0.55 18.81	43.67 0.40 7.99
PROJECT___ORANGE 1 24174	46.57 -0.82 0.00	44.84 -0.84 0.00	45.00 -0.84 0.00	41.57 -0.72 0.00	40.20 -0.67 0.00	47.26 -0.85 0.00	64.04 -1.10 0.00	145.14 -2.50 0.00	101.45 -1.97 0.00	49.32 -0.88 0.00	44.20 -0.76 0.00	46.09 -0.76 0.00	40.97 -0.63 0.00	41.24 -0.62 0.00	41.23 -0.64 0.00	42.17 -0.71 0.00	43.68 -0.73 0.00	52.62 -0.85 0.00	62.42 -1.01 0.00	67.26 -1.05 0.00	59.53 -0.98 0.00	61.15 -1.11 0.00	49.84 -0.94 0.00	50.35 -0.91 0.00
PROJECT___ORANGE 2 24166	46.57 -0.82 0.00	44.84 -0.84 0.00	45.00 -0.84 0.00	41.57 -0.72 0.00	40.20 -0.67 0.00	47.26 -0.85 0.00	64.04 -1.10 0.00	145.14 -2.50 0.00	101.45 -1.97 0.00	49.32 -0.88 0.00	44.20 -0.76 0.00	46.09 -0.76 0.00	40.97 -0.63 0.00	41.24 -0.62 0.00	41.23 -0.64 0.00	42.17 -0.71 0.00	43.68 -0.73 0.00	52.62 -0.85 0.00	62.42 -1.01 0.00	67.26 -1.05 0.00	59.53 -0.98 0.00	61.15 -1.11 0.00	49.84 -0.94 0.00	50.35 -0.91 0.00
PUCKETT___SOLAR 323809	48.01 0.63 0.00	46.24 0.56 0.00	46.43 0.59 0.00	42.83 0.54 0.00	41.52 0.65 0.00	48.80 0.68 0.00	66.17 1.03 0.00	150.35 2.71 0.00	104.37 0.96 0.00	50.40 0.20 0.00	45.03 0.06 0.00	46.97 0.12 0.00	41.71 0.11 0.00	42.06 0.16 -0.04	42.15 -0.01 -0.29	43.23 -0.02 -0.37	44.95 0.18 -0.35	54.44 0.31 -0.65	64.79 0.71 -0.66	69.64 1.06 -0.27	61.53 0.81 -0.21	63.46 0.85 -0.36	52.15 0.55 -0.82	52.50 0.66 -0.59
PYRITES___HYD 24023	50.15 2.76 0.00	48.10 2.42 0.00	48.08 2.25 0.00	44.33 2.04 0.00	43.03 2.17 0.00	50.83 2.71 0.00	69.09 3.95 0.00	156.50 8.86 0.00	383.94 7.10 -273.43	53.13 2.93 0.00	47.48 2.52 0.00	49.73 2.88 0.00	43.95 2.36 0.00	43.74 1.88 0.00	43.34 1.47 0.00	44.10 1.22 0.00	45.62 1.21 0.00	55.66 2.19 0.00	66.22 2.80 0.00	71.83 3.52 0.00	64.06 3.54 0.00	65.99 3.73 0.00	53.86 3.09 0.00	54.36 3.11 0.00
QUAKERRD_115KV_BK1 80622	45.89 -1.50 0.00	43.93 -1.75 0.00	44.04 -1.80 0.00	40.62 -1.67 0.00	39.33 -1.54 0.00	46.23 -1.88 0.00	62.17 -2.97 0.00	140.96 -6.69 0.00	98.53 -4.89 0.00	48.27 -1.93 0.00	43.63 -1.33 0.00	45.53 -1.33 0.00	40.51 -1.09 0.00	40.58 -1.28 0.00	40.41 -1.46 0.00	41.17 -1.71 0.00	42.51 -1.91 0.00	51.39 -2.08 0.00	61.06 -2.36 0.00	65.87 -2.43 0.00	58.30 -2.21 0.00	60.01 -2.25 0.00	48.88 -1.89 0.00	49.63 -1.63 0.00
QUENSBRY_115KV_TB8 356137	48.81 1.42 0.00	47.21 1.53 0.00	47.25 1.41 0.00	43.74 1.45 0.00	42.43 1.56 0.00	50.16 2.05 0.00	68.18 3.04 0.00	153.65 6.01 0.00	107.61 4.20 0.00	51.63 1.43 0.00	46.13 1.16 0.00	48.31 1.46 0.00	42.85 1.25 0.00	42.91 1.05 0.00	43.35 1.49 0.00	44.63 1.76 0.00	46.35 1.94 0.00	55.98 2.51 0.00	66.37 2.95 0.00	71.56 3.25 0.00	63.37 2.86 0.00	64.59 2.34 0.00	52.49 1.71 0.00	52.91 1.65 0.00
RAMAPO___LBMP 323565	49.01 1.62 0.00	47.23 1.55 0.00	47.38 1.54 0.00	43.58 1.29 0.00	42.11 1.25 0.00	49.77 1.65 0.00	67.60 2.45 0.00	154.49 6.85 0.00	107.26 3.84 0.00	51.96 1.76 0.00	46.61 1.64 0.00	48.75 1.89 0.00	43.17 1.57 0.00	43.73 1.87 0.00	43.82 1.96 0.00	44.76 1.88 0.00	46.31 1.90 0.00	55.49 2.01 0.00	66.19 2.77 0.00	70.92 2.62 0.00	62.44 1.93 0.00	64.54 2.28 0.00	52.65 1.88 0.00	53.03 1.77 0.00
RANKINE____ 23646	46.67 -0.71 0.00	44.36 -1.33 0.00	44.43 -1.40 0.00	40.91 -1.38 0.00	39.67 -1.19 0.00	46.45 -1.67 0.00	61.42 -3.72 0.00	138.72 -8.93 0.00	96.79 -6.63 0.00	48.17 -2.03 0.00	44.17 -0.80 0.00	46.11 -0.75 0.00	40.98 -0.62 0.00	40.82 -1.05 0.00	40.42 -1.45 0.00	40.94 -1.94 0.00	41.87 -2.55 0.00	50.81 -2.66 0.00	60.59 -2.83 0.00	65.70 -2.61 0.00	58.15 -2.36 0.00	60.22 -2.04 0.00	49.20 -1.57 0.00	50.69 -0.57 0.00
RAVENSWOOD_GT2_1 24244	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.97 1.68 0.00	42.47 1.61 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.61 7.96 0.00	108.10 4.68 0.00	52.56 2.36 0.00	47.21 2.24 0.00	49.42 2.56 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.45 0.00	46.85 2.44 0.00	56.02 2.55 0.00	66.78 3.35 0.00	71.52 3.21 0.00	62.97 2.46 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.44 2.18 0.00
RAVENSWOOD_GT2_2 24245	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.97 1.68 0.00	42.47 1.61 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.61 7.96 0.00	108.10 4.68 0.00	52.56 2.36 0.00	47.21 2.24 0.00	49.42 2.56 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.45 0.00	46.85 2.44 0.00	56.02 2.55 0.00	66.78 3.35 0.00	71.52 3.21 0.00	62.97 2.46 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.44 2.18 0.00



RAVENSWOOD_GT2_3 24246	49.49 2.11 0.00	47.69 2.00 0.00	47.82 1.99 0.00	43.98 1.69 0.00	42.49 1.62 0.00	50.15 2.03 0.00	68.04 2.90 0.00	155.68 8.04 0.00	108.14 4.73 0.00	52.59 2.39 0.00	47.23 2.27 0.00	49.44 2.59 0.00	43.80 2.20 0.00	44.35 2.49 0.00	44.40 2.54 0.00	45.36 2.47 0.00	46.89 2.47 0.00	56.04 2.57 0.00	66.79 3.37 0.00	71.55 3.25 0.00	62.99 2.48 0.00	65.11 2.86 0.00	53.16 2.39 0.00	53.46 2.20 0.00
RAVENSWOOD_GT2_4 24247	49.49 2.11 0.00	47.69 2.00 0.00	47.82 1.99 0.00	43.98 1.69 0.00	42.49 1.62 0.00	50.15 2.03 0.00	68.04 2.90 0.00	155.68 8.04 0.00	108.14 4.73 0.00	52.59 2.39 0.00	47.23 2.27 0.00	49.44 2.59 0.00	43.80 2.20 0.00	44.35 2.49 0.00	44.40 2.54 0.00	45.36 2.47 0.00	46.89 2.47 0.00	56.04 2.57 0.00	66.79 3.37 0.00	71.55 3.25 0.00	62.99 2.48 0.00	65.11 2.86 0.00	53.16 2.39 0.00	53.46 2.20 0.00
RAVENSWOOD_GT3_1 24248	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.97 1.68 0.00	42.47 1.61 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.61 7.96 0.00	108.10 4.68 0.00	52.56 2.36 0.00	47.21 2.24 0.00	49.42 2.56 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.45 0.00	46.85 2.44 0.00	56.02 2.55 0.00	66.78 3.35 0.00	71.52 3.21 0.00	62.97 2.46 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.45 2.19 0.00
RAVENSWOOD_GT3_2 24249	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.97 1.68 0.00	42.47 1.61 0.00	50.13 2.01 0.00	68.01 2.87 0.00	155.61 7.96 0.00	108.10 4.68 0.00	52.56 2.36 0.00	47.21 2.24 0.00	49.42 2.56 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.45 0.00	46.85 2.44 0.00	56.02 2.55 0.00	66.78 3.35 0.00	71.52 3.21 0.00	62.97 2.46 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.45 2.19 0.00
RAVENSWOOD_GT3_3 24250	49.54 2.16 0.00	47.72 2.04 0.00	47.86 2.02 0.00	44.02 1.73 0.00	42.52 1.66 0.00	50.20 2.08 0.00	68.10 2.96 0.00	155.84 8.20 0.00	108.25 4.84 0.00	52.64 2.44 0.00	47.29 2.32 0.00	49.50 2.65 0.00	43.84 2.24 0.00	44.40 2.54 0.00	44.45 2.59 0.00	45.40 2.52 0.00	46.94 2.53 0.00	56.10 2.63 0.00	66.87 3.45 0.00	71.64 3.33 0.00	63.05 2.54 0.00	65.18 2.92 0.00	53.21 2.44 0.00	53.51 2.25 0.00
RAVENSWOOD_GT3_4 24251	49.54 2.16 0.00	47.72 2.04 0.00	47.86 2.02 0.00	44.02 1.73 0.00	42.52 1.66 0.00	50.20 2.08 0.00	68.10 2.96 0.00	155.84 8.20 0.00	108.25 4.84 0.00	52.64 2.44 0.00	47.29 2.32 0.00	49.50 2.65 0.00	43.84 2.24 0.00	44.40 2.54 0.00	44.45 2.59 0.00	45.40 2.52 0.00	46.94 2.53 0.00	56.10 2.63 0.00	66.87 3.45 0.00	71.64 3.33 0.00	63.05 2.54 0.00	65.18 2.92 0.00	53.21 2.44 0.00	53.51 2.25 0.00
RAVENSWOOD_GT_1 23729	49.60 2.21 0.00	47.79 2.11 0.00	47.92 2.08 0.00	44.09 1.80 0.00	42.60 1.73 0.00	50.23 2.12 0.00	68.12 2.98 0.00	155.91 8.27 0.00	108.32 4.91 0.00	52.71 2.51 0.00	47.38 2.41 0.00	49.60 2.74 0.00	43.94 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.50 2.61 0.00	47.01 2.59 0.00	56.15 2.67 0.00	66.91 3.49 0.00	71.67 3.36 0.00	63.09 2.58 0.00	65.26 3.00 0.00	53.31 2.55 0.00	53.61 2.35 0.00
RAVENSWOOD_GT_10 24258	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.96 1.67 0.00	42.47 1.61 0.00	50.13 2.02 0.00	68.01 2.87 0.00	155.62 7.98 0.00	108.10 4.69 0.00	52.57 2.36 0.00	47.21 2.24 0.00	49.42 2.56 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.45 0.00	46.85 2.44 0.00	56.02 2.55 0.00	66.78 3.35 0.00	71.52 3.21 0.00	62.98 2.47 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.44 2.18 0.00
RAVENSWOOD_GT_11 24259	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.96 1.67 0.00	42.47 1.61 0.00	50.13 2.02 0.00	68.01 2.87 0.00	155.62 7.98 0.00	108.10 4.69 0.00	52.57 2.36 0.00	47.21 2.24 0.00	49.42 2.56 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.45 0.00	46.85 2.44 0.00	56.02 2.55 0.00	66.78 3.35 0.00	71.52 3.21 0.00	62.98 2.47 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.44 2.18 0.00
RAVENSWOOD_GT_4 24252	49.47 2.09 0.00	47.67 1.99 0.00	47.80 1.96 0.00	43.97 1.69 0.00	42.48 1.62 0.00	50.11 1.99 0.00	67.97 2.83 0.00	155.55 7.90 0.00	108.04 4.63 0.00	52.56 2.35 0.00	47.22 2.25 0.00	49.43 2.57 0.00	43.80 2.20 0.00	44.35 2.49 0.00	44.40 2.54 0.00	45.36 2.47 0.00	46.87 2.45 0.00	56.00 2.53 0.00	66.74 3.32 0.00	71.50 3.19 0.00	62.93 2.42 0.00	65.08 2.82 0.00	53.16 2.39 0.00	53.46 2.20 0.00
RAVENSWOOD_GT_5 24254	49.47 2.09 0.00	47.67 1.99 0.00	47.80 1.96 0.00	43.97 1.69 0.00	42.48 1.62 0.00	50.11 1.99 0.00	67.97 2.83 0.00	155.55 7.90 0.00	108.04 4.63 0.00	52.56 2.35 0.00	47.22 2.25 0.00	49.43 2.57 0.00	43.80 2.20 0.00	44.35 2.49 0.00	44.40 2.54 0.00	45.36 2.47 0.00	46.87 2.45 0.00	56.00 2.53 0.00	66.74 3.32 0.00	71.50 3.19 0.00	62.93 2.42 0.00	65.08 2.82 0.00	53.16 2.39 0.00	53.46 2.20 0.00
RAVENSWOOD_GT_6 24253	49.47 2.09 0.00	47.67 1.99 0.00	47.80 1.96 0.00	43.97 1.69 0.00	42.48 1.62 0.00	50.11 1.99 0.00	67.97 2.83 0.00	155.55 7.90 0.00	108.04 4.63 0.00	52.56 2.35 0.00	47.22 2.25 0.00	49.43 2.57 0.00	43.80 2.20 0.00	44.35 2.49 0.00	44.40 2.54 0.00	45.36 2.47 0.00	46.87 2.45 0.00	56.00 2.53 0.00	66.74 3.32 0.00	71.50 3.19 0.00	62.93 2.42 0.00	65.08 2.82 0.00	53.16 2.39 0.00	53.46 2.20 0.00
RAVENSWOOD_GT_7 24255	49.47 2.09 0.00	47.67 1.99 0.00	47.80 1.96 0.00	43.97 1.69 0.00	42.48 1.62 0.00	50.11 1.99 0.00	67.97 2.83 0.00	155.55 7.90 0.00	108.04 4.63 0.00	52.56 2.35 0.00	47.22 2.25 0.00	49.43 2.57 0.00	43.80 2.20 0.00	44.35 2.49 0.00	44.40 2.54 0.00	45.36 2.47 0.00	46.87 2.45 0.00	56.00 2.53 0.00	66.74 3.32 0.00	71.50 3.19 0.00	62.93 2.42 0.00	65.08 2.82 0.00	53.16 2.39 0.00	53.46 2.20 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.96 1.67 0.00	42.47 1.61 0.00	50.13 2.02 0.00	68.01 2.87 0.00	155.62 7.98 0.00	108.10 4.69 0.00	52.57 2.36 0.00	47.21 2.24 0.00	49.42 2.56 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.45 0.00	46.85 2.44 0.00	56.02 2.55 0.00	66.78 3.35 0.00	71.52 3.21 0.00	62.98 2.47 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.44 2.18 0.00
RAVENSWOOD_GT_9 24257	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.96 1.67 0.00	42.47 1.61 0.00	50.13 2.02 0.00	68.01 2.87 0.00	155.62 7.98 0.00	108.10 4.69 0.00	52.57 2.36 0.00	47.21 2.24 0.00	49.42 2.56 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.45 0.00	46.85 2.44 0.00	56.02 2.55 0.00	66.78 3.35 0.00	71.52 3.21 0.00	62.98 2.47 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.44 2.18 0.00

RAVENSWOOD___1 23533	49.51 2.12 0.00	47.71 2.03 0.00	47.83 2.00 0.00	44.03 1.74 0.00	42.53 1.66 0.00	50.13 2.02 0.00	67.99 2.85 0.00	155.61 7.97 0.00	108.11 4.69 0.00	52.60 2.40 0.00	47.29 2.32 0.00	49.50 2.65 0.00	43.87 2.27 0.00	44.41 2.56 0.00	44.47 2.60 0.00	45.41 2.53 0.00	46.90 2.48 0.00	56.03 2.55 0.00	66.77 3.35 0.00	71.52 3.21 0.00	62.96 2.45 0.00	65.14 2.88 0.00	53.23 2.46 0.00	53.52 2.26 0.00
RAVENSWOOD___2 23534	49.27 1.88 0.00	47.53 1.85 0.00	47.68 1.85 0.00	43.96 1.67 0.00	42.46 1.59 0.00	49.93 1.81 0.00	67.51 2.37 0.00	154.52 6.88 0.00	107.33 3.92 0.00	52.24 2.04 0.00	47.10 2.13 0.00	49.36 2.51 0.00	43.80 2.19 0.00	44.37 2.51 0.00	44.41 2.55 0.00	45.34 2.46 0.00	46.79 2.38 0.00	55.72 2.24 0.00	66.29 2.87 0.00	71.01 2.71 0.00	62.53 2.02 0.00	64.89 2.63 0.00	53.20 2.43 0.00	53.52 2.26 0.00
RAVENSWOOD___3 23535	49.47 2.09 0.00	47.67 1.99 0.00	47.81 1.97 0.00	43.97 1.68 0.00	42.48 1.61 0.00	50.13 2.02 0.00	68.01 2.87 0.00	155.61 7.97 0.00	108.09 4.68 0.00	52.56 2.35 0.00	47.21 2.24 0.00	49.42 2.57 0.00	43.77 2.17 0.00	44.33 2.47 0.00	44.38 2.52 0.00	45.33 2.44 0.00	46.84 2.43 0.00	56.02 2.54 0.00	66.77 3.35 0.00	71.51 3.20 0.00	62.97 2.46 0.00	65.07 2.81 0.00	53.13 2.36 0.00	53.45 2.19 0.00
RAVENSWOOD___4 23820	49.51 2.12 0.00	47.71 2.03 0.00	47.83 2.00 0.00	44.03 1.74 0.00	42.53 1.66 0.00	50.13 2.02 0.00	67.99 2.85 0.00	155.61 7.97 0.00	108.11 4.69 0.00	52.60 2.40 0.00	47.29 2.32 0.00	49.50 2.65 0.00	43.87 2.27 0.00	44.41 2.56 0.00	44.47 2.60 0.00	45.41 2.53 0.00	46.90 2.48 0.00	56.03 2.55 0.00	66.77 3.35 0.00	71.52 3.21 0.00	62.96 2.45 0.00	65.14 2.88 0.00	53.23 2.46 0.00	53.52 2.26 0.00
RCPL_TRUST___DRP 24196	49.47 2.08 0.00	47.67 1.99 0.00	47.79 1.96 0.00	43.96 1.67 0.00	42.46 1.60 0.00	50.15 2.03 0.00	68.02 2.88 0.00	155.68 8.04 0.00	108.10 4.69 0.00	52.59 2.39 0.00	47.22 2.26 0.00	49.45 2.59 0.00	43.80 2.20 0.00	44.35 2.49 0.00	44.39 2.53 0.00	45.34 2.46 0.00	46.87 2.45 0.00	56.03 2.56 0.00	66.78 3.35 0.00	71.50 3.19 0.00	62.94 2.43 0.00	65.05 2.79 0.00	53.12 2.34 0.00	53.42 2.16 0.00
RED___ROCHESTER 323720	47.18 -0.20 0.00	45.07 -0.61 0.00	45.17 -0.66 0.00	41.65 -0.64 0.00	40.34 -0.52 0.00	47.41 -0.70 0.00	63.64 -1.50 0.00	144.39 -3.25 0.00	100.89 -2.53 0.00	49.60 -0.61 0.00	44.91 -0.06 0.00	46.86 0.00 0.00	41.69 0.09 0.00	41.67 -0.13 0.06	41.07 -0.39 0.41	41.70 -0.66 0.52	43.14 -0.79 0.49	51.83 -0.73 0.92	61.80 -0.70 0.93	67.33 -0.60 0.38	59.64 -0.58 0.30	61.23 -0.53 0.50	49.09 -0.51 1.17	50.28 -0.15 0.83
REGAN___SOLAR 323812	49.06 1.67 0.00	47.25 1.57 0.00	47.39 1.56 0.00	43.72 1.43 0.00	42.26 1.39 0.00	49.90 1.78 0.00	67.85 2.71 0.00	154.32 6.68 0.00	107.92 4.51 0.00	51.85 1.64 0.00	46.36 1.40 0.00	47.85 1.00 0.00	41.99 0.39 0.00	42.18 0.32 0.00	42.04 0.17 0.00	43.48 0.59 0.00	45.65 1.23 0.00	55.30 1.83 0.00	66.12 2.70 0.00	71.25 2.94 0.00	63.06 2.54 0.00	64.96 2.70 0.00	52.83 2.06 0.00	53.22 1.97 0.00
RENSSELAER___COGEN 23796	47.25 -0.14 0.00	45.69 0.01 0.00	45.89 0.05 0.00	42.34 0.05 0.00	40.94 0.07 0.00	48.22 0.10 0.00	65.24 0.10 0.00	147.49 -0.15 0.00	103.34 -0.08 0.00	49.76 -0.44 0.00	44.47 -0.49 0.00	46.46 -0.39 0.00	41.21 -0.39 0.00	41.63 -0.23 0.00	41.91 0.05 0.00	43.03 0.15 0.00	44.67 0.25 0.00	53.59 0.11 0.00	63.57 0.14 0.00	68.34 0.03 0.00	60.57 0.06 0.00	62.18 -0.08 0.00	50.71 -0.06 0.00	51.10 -0.16 0.00
REPUBLIC_115KV_BARTNBRK 55605	50.78 3.39 0.00	49.38 3.70 0.00	49.46 3.63 0.00	45.76 3.47 0.00	44.51 3.64 0.00	53.01 4.89 0.00	72.52 7.38 0.00	163.25 15.61 0.00	114.04 10.63 0.00	54.41 4.21 0.00	48.69 3.73 0.00	51.36 4.51 0.00	45.81 4.21 0.00	45.38 3.52 0.00	46.09 4.22 0.00	47.40 4.52 0.00	49.20 4.79 0.00	59.78 6.30 0.00	70.84 7.42 0.00	76.75 8.44 0.00	67.75 7.24 0.00	68.44 6.18 0.00	55.06 4.28 0.00	55.56 4.30 0.00
REVERE_CPPR_DRP 24186	48.71 1.32 0.00	46.85 1.17 0.00	46.94 1.10 0.00	43.43 1.14 0.00	42.20 1.33 0.00	49.87 1.76 0.00	68.06 2.92 0.00	154.70 7.06 0.00	130.58 4.57 -22.60	52.24 2.04 0.00	46.64 1.68 0.00	48.50 1.65 0.00	43.06 1.46 0.00	43.25 1.39 0.00	43.23 1.36 0.00	44.34 1.46 0.00	46.07 1.65 0.00	55.71 2.23 0.00	65.80 2.38 0.00	71.09 2.79 0.00	62.96 2.45 0.00	64.73 2.47 0.00	52.69 1.92 0.00	53.07 1.82 0.00
REYNLDPA_13_KV_LD 356490	48.66 1.27 0.00	46.78 1.10 0.00	46.87 1.03 0.00	43.20 0.91 0.00	41.80 0.93 0.00	49.28 1.16 0.00	66.59 1.45 0.00	149.30 1.66 0.00	66.37 1.44 38.48	51.66 1.45 0.00	46.30 1.34 0.00	48.19 1.33 0.00	42.80 1.20 0.00	42.89 1.03 0.00	42.71 0.84 0.00	43.71 0.83 0.00	45.21 0.80 0.00	54.62 1.15 0.00	64.77 1.34 0.00	69.90 1.59 0.00	61.98 1.47 0.00	63.81 1.55 0.00	51.99 1.22 0.00	52.54 1.29 0.00
REYNOLDS_115KV_TB3 80639	47.59 0.20 0.00	46.02 0.34 0.00	46.20 0.36 0.00	42.64 0.35 0.00	41.25 0.39 0.00	48.63 0.51 0.00	65.76 0.61 0.00	148.49 0.85 0.00	104.11 0.69 0.00	50.04 -0.16 0.00	44.68 -0.28 0.00	46.73 -0.12 0.00	41.39 -0.21 0.00	41.86 -0.01 0.00	42.18 0.32 0.00	43.34 0.46 0.00	44.99 0.57 0.00	53.98 0.50 0.00	64.02 0.59 0.00	68.86 0.56 0.00	61.04 0.53 0.00	62.62 0.37 0.00	51.06 0.29 0.00	51.48 0.21 0.00
RIVERBAY____ 323610	50.36 2.98 0.00	48.54 2.86 0.00	48.74 2.90 0.00	44.84 2.55 0.00	43.36 2.49 0.00	51.03 2.91 0.00	69.37 4.23 0.00	158.75 11.11 0.00	110.24 6.82 0.00	53.52 3.31 0.00	48.01 3.05 0.00	50.27 3.41 0.00	44.56 2.95 0.00	45.12 3.25 0.00	45.11 3.24 0.00	46.09 3.21 0.00	47.62 3.20 0.00	56.88 3.40 0.00	67.88 4.46 0.00	72.70 4.40 0.00	63.96 3.45 0.00	66.22 3.96 0.00	54.08 3.31 0.00	54.33 3.07 0.00
RIVERSDE_115KV_TB3 55908	47.30 -0.08 0.00	45.74 0.06 0.00	45.93 0.10 0.00	42.39 0.10 0.00	40.99 0.12 0.00	48.31 0.19 0.00	65.34 0.20 0.00	147.71 0.07 0.00	103.51 0.09 0.00	49.82 -0.38 0.00	44.52 -0.45 0.00	46.52 -0.33 0.00	41.24 -0.36 0.00	41.68 -0.18 0.00	41.98 0.12 0.00	43.12 0.23 0.00	44.74 0.32 0.00	53.67 0.20 0.00	63.66 0.24 0.00	68.44 0.13 0.00	60.65 0.14 0.00	62.27 0.01 0.00	50.76 -0.02 0.00	51.16 -0.10 0.00
ROARING___BROOK_WT_PWR 323790	47.53 0.14 0.00	45.75 0.06 0.00	45.87 0.03 0.00	42.35 0.06 0.00	40.97 0.11 0.00	48.27 0.15 0.00	65.35 0.21 0.00	148.15 0.50 0.00	103.95 0.53 0.00	50.46 0.26 0.00	45.15 0.18 0.00	47.03 0.17 0.00	41.73 0.13 0.00	41.97 0.10 0.00	41.88 0.02 0.00	42.93 0.05 0.00	44.44 0.02 0.00	53.53 0.05 0.00	63.44 0.01 0.00	68.43 0.12 0.00	60.66 0.15 0.00	62.45 0.19 0.00	50.92 0.15 0.00	51.42 0.16 0.00

ROCHESRG_115KV_T4 355643	46.79 -0.60 0.00	44.70 -0.98 0.00	44.82 -1.02 0.00	41.33 -0.96 0.00	40.03 -0.83 0.00	47.02 -1.09 0.00	63.04 -2.10 0.00	142.91 -4.73 0.00	99.91 -3.50 0.00	49.08 -1.12 0.00	44.45 -0.52 0.00	46.38 -0.47 0.00	41.27 -0.33 0.00	41.31 -0.55 0.00	41.08 -0.79 0.00	41.80 -1.08 0.00	43.11 -1.30 0.00	52.16 -1.32 0.00	62.01 -1.41 0.00	66.94 -1.37 0.00	59.27 -1.24 0.00	61.05 -1.21 0.00	49.75 -1.03 0.00	50.64 -0.62 0.00
ROCHESTER_9_IC 23652	47.01 -0.38 0.00	44.92 -0.75 0.00	45.02 -0.82 0.00	41.51 -0.78 0.00	40.21 -0.66 0.00	47.24 -0.87 0.00	63.39 -1.75 0.00	143.76 -3.89 0.00	100.47 -2.95 0.00	49.37 -0.84 0.00	44.71 -0.25 0.00	46.65 -0.21 0.00	41.51 -0.09 0.00	41.55 -0.31 0.00	41.31 -0.56 0.00	42.03 -0.85 0.00	43.37 -1.05 0.00	52.48 -0.99 0.00	62.40 -1.02 0.00	67.35 -0.96 0.00	59.63 -0.88 0.00	61.41 -0.85 0.00	50.02 -0.75 0.00	50.89 -0.37 0.00
ROCKVIEW_13_KV_LD 356306	49.37 1.99 0.00	47.56 1.88 0.00	47.71 1.88 0.00	43.87 1.58 0.00	42.38 1.51 0.00	50.10 1.99 0.00	68.01 2.87 0.00	155.60 7.96 0.00	108.10 4.68 0.00	52.47 2.26 0.00	47.11 2.15 0.00	49.28 2.43 0.00	43.64 2.04 0.00	44.20 2.34 0.00	44.26 2.39 0.00	45.24 2.36 0.00	46.76 2.34 0.00	55.95 2.47 0.00	66.69 3.27 0.00	71.46 3.15 0.00	62.99 2.48 0.00	65.05 2.79 0.00	53.08 2.31 0.00	53.46 2.20 0.00
ROME____115KV_TB2 80656	48.71 1.32 0.00	46.85 1.17 0.00	46.94 1.10 0.00	43.43 1.14 0.00	42.20 1.33 0.00	49.87 1.76 0.00	68.06 2.92 0.00	154.70 7.06 0.00	130.58 4.57 -22.60	52.24 2.04 0.00	46.64 1.68 0.00	48.50 1.65 0.00	43.06 1.46 0.00	43.25 1.39 0.00	43.23 1.36 0.00	44.34 1.46 0.00	46.07 1.65 0.00	55.71 2.23 0.00	65.80 2.38 0.00	71.09 2.79 0.00	62.96 2.45 0.00	64.73 2.47 0.00	52.69 1.92 0.00	53.07 1.82 0.00
ROSETON___1 23587	48.77 1.39 0.00	47.05 1.37 0.00	47.25 1.42 0.00	43.46 1.17 0.00	41.96 1.09 0.00	49.52 1.41 0.00	67.11 1.97 0.00	153.20 5.55 0.00	106.57 3.16 0.00	51.70 1.49 0.00	46.34 1.38 0.00	48.47 1.62 0.00	42.93 1.33 0.00	43.47 1.61 0.00	43.54 1.68 0.00	44.53 1.65 0.00	46.05 1.63 0.00	55.11 1.64 0.00	65.64 2.22 0.00	70.39 2.08 0.00	62.07 1.56 0.00	64.12 1.86 0.00	52.37 1.60 0.00	52.74 1.48 0.00
ROSETON___2 23588	48.77 1.39 0.00	47.05 1.37 0.00	47.25 1.42 0.00	43.46 1.17 0.00	41.96 1.09 0.00	49.52 1.41 0.00	67.11 1.97 0.00	153.20 5.55 0.00	106.57 3.16 0.00	51.70 1.49 0.00	46.34 1.38 0.00	48.47 1.62 0.00	42.93 1.33 0.00	43.47 1.61 0.00	43.54 1.68 0.00	44.53 1.65 0.00	46.05 1.63 0.00	55.11 1.64 0.00	65.64 2.22 0.00	70.39 2.08 0.00	62.07 1.56 0.00	64.12 1.86 0.00	52.37 1.60 0.00	52.74 1.48 0.00
ROTRRDAM_115KV_TB3 80664	48.22 0.83 0.00	46.58 0.90 0.00	46.77 0.93 0.00	43.15 0.86 0.00	41.68 0.81 0.00	49.12 1.00 0.00	66.55 1.41 0.00	150.71 3.07 0.00	105.51 2.09 0.00	50.94 0.74 0.00	45.56 0.60 0.00	47.55 0.69 0.00	42.11 0.51 0.00	42.43 0.57 0.00	42.64 0.77 0.00	43.76 0.87 0.00	45.38 0.97 0.00	54.59 1.12 0.00	64.80 1.37 0.00	69.73 1.42 0.00	61.78 1.27 0.00	63.48 1.21 0.00	51.74 0.97 0.00	52.17 0.91 0.00
RUSSELL___1 23602	47.18 -0.21 0.00	45.07 -0.61 0.00	45.17 -0.66 0.00	41.65 -0.64 0.00	40.34 -0.52 0.00	47.42 -0.70 0.00	63.64 -1.50 0.00	144.39 -3.25 0.00	100.91 -2.51 0.00	49.59 -0.61 0.00	44.91 -0.06 0.00	46.86 0.00 0.00	41.70 0.10 0.00	41.73 -0.13 0.00	41.48 -0.38 0.00	42.22 -0.66 0.00	43.58 -0.84 0.00	52.75 -0.73 0.00	62.72 -0.70 0.00	67.71 -0.60 0.00	59.93 -0.58 0.00	61.71 -0.55 0.00	50.24 -0.53 0.00	51.09 -0.16 0.00
RUSSELL___2 23532	47.18 -0.21 0.00	45.07 -0.61 0.00	45.17 -0.66 0.00	41.65 -0.64 0.00	40.34 -0.52 0.00	47.42 -0.70 0.00	63.64 -1.50 0.00	144.39 -3.25 0.00	100.91 -2.51 0.00	49.59 -0.61 0.00	44.91 -0.06 0.00	46.86 0.00 0.00	41.70 0.10 0.00	41.73 -0.13 0.00	41.48 -0.38 0.00	42.22 -0.66 0.00	43.58 -0.84 0.00	52.75 -0.73 0.00	62.72 -0.70 0.00	67.71 -0.60 0.00	59.93 -0.58 0.00	61.71 -0.55 0.00	50.24 -0.53 0.00	51.09 -0.16 0.00
RUSSELL___3 23549	47.18 -0.21 0.00	45.07 -0.61 0.00	45.17 -0.66 0.00	41.65 -0.64 0.00	40.34 -0.52 0.00	47.42 -0.70 0.00	63.64 -1.50 0.00	144.39 -3.25 0.00	100.91 -2.51 0.00	49.59 -0.61 0.00	44.91 -0.06 0.00	46.86 0.00 0.00	41.70 0.10 0.00	41.73 -0.13 0.00	41.48 -0.38 0.00	42.22 -0.66 0.00	43.58 -0.84 0.00	52.75 -0.73 0.00	62.72 -0.70 0.00	67.71 -0.60 0.00	59.93 -0.58 0.00	61.71 -0.55 0.00	50.24 -0.53 0.00	51.09 -0.16 0.00
RUSSELL___4 23556	47.18 -0.21 0.00	45.07 -0.61 0.00	45.17 -0.66 0.00	41.65 -0.64 0.00	40.34 -0.52 0.00	47.42 -0.70 0.00	63.64 -1.50 0.00	144.39 -3.25 0.00	100.91 -2.51 0.00	49.59 -0.61 0.00	44.91 -0.06 0.00	46.86 0.00 0.00	41.70 0.10 0.00	41.73 -0.13 0.00	41.48 -0.38 0.00	42.22 -0.66 0.00	43.58 -0.84 0.00	52.75 -0.73 0.00	62.72 -0.70 0.00	67.71 -0.60 0.00	59.93 -0.58 0.00	61.71 -0.55 0.00	50.24 -0.53 0.00	51.09 -0.16 0.00
RUSSELL___STATION 23914	47.18 -0.21 0.00	45.07 -0.61 0.00	45.17 -0.66 0.00	41.65 -0.64 0.00	40.34 -0.52 0.00	47.42 -0.70 0.00	63.64 -1.50 0.00	144.39 -3.25 0.00	100.91 -2.51 0.00	49.59 -0.61 0.00	44.91 -0.06 0.00	46.86 0.00 0.00	41.70 0.10 0.00	41.73 -0.13 0.00	41.48 -0.38 0.00	42.22 -0.66 0.00	43.58 -0.84 0.00	52.75 -0.73 0.00	62.72 -0.70 0.00	67.71 -0.60 0.00	59.93 -0.58 0.00	61.71 -0.55 0.00	50.24 -0.53 0.00	51.09 -0.16 0.00
S SALMON___HYD 24043	47.03 -0.36 0.00	45.10 -0.58 0.00	45.18 -0.66 0.00	41.77 -0.52 0.00	40.48 -0.38 0.00	47.72 -0.39 0.00	64.90 -0.24 0.00	147.49 -0.15 0.00	127.90 -0.05 -24.54	50.02 -0.18 0.00	44.67 -0.29 0.00	46.49 -0.36 0.00	41.25 -0.35 0.00	41.34 -0.52 0.00	41.15 -0.71 0.00	42.10 -0.78 0.00	43.73 -0.68 0.00	53.08 -0.40 0.00	62.97 -0.45 0.00	68.02 -0.28 0.00	60.41 -0.10 0.00	62.15 -0.11 0.00	50.63 -0.14 0.00	51.10 -0.16 0.00
S.PERRY__115KV_TB1 80734	48.18 0.79 0.00	46.08 0.39 0.00	46.27 0.43 0.00	42.64 0.35 0.00	41.36 0.50 0.00	48.64 0.52 0.00	65.33 0.19 0.00	148.50 0.86 0.00	103.41 -0.01 0.00	50.59 0.39 0.00	45.18 0.22 0.00	47.55 0.70 0.00	41.92 0.32 0.00	41.62 -0.24 0.00	41.87 0.01 0.00	42.42 -0.46 0.00	43.88 -0.53 0.00	53.95 0.48 0.00	64.41 0.99 0.00	69.80 1.49 0.00	61.75 1.24 0.00	63.58 1.32 0.00	51.72 0.95 0.00	52.72 1.46 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	46.39 -1.00 0.00	44.02 -1.66 0.00	44.11 -1.73 0.00	40.60 -1.69 0.00	39.38 -1.49 0.00	46.06 -2.06 0.00	60.72 -4.42 0.00	137.10 -10.54 0.00	95.75 -7.67 0.00	47.75 -2.45 0.00	43.87 -1.10 0.00	45.83 -1.02 0.00	40.79 -0.81 0.00	40.60 -1.26 0.00	40.14 -1.73 0.00	40.62 -2.26 0.00	41.52 -2.90 0.00	50.34 -3.14 0.00	59.97 -3.46 0.00	65.01 -3.30 0.00	57.60 -2.91 0.00	59.65 -2.61 0.00	48.78 -2.00 0.00	50.29 -0.96 0.00

SAWYER___23_KV_LOAD 55526	46.39 -1.00 0.00	44.02 -1.66 0.00	44.11 -1.73 0.00	40.60 -1.69 0.00	39.38 -1.49 0.00	46.06 -2.06 0.00	60.72 -4.42 0.00	137.10 -10.54 0.00	95.75 -7.67 0.00	47.75 -2.45 0.00	43.87 -1.10 0.00	45.83 -1.02 0.00	40.79 -0.81 0.00	40.60 -1.26 0.00	40.14 -1.73 0.00	40.62 -2.26 0.00	41.52 -2.90 0.00	50.34 -3.14 0.00	59.97 -3.46 0.00	65.01 -3.00 0.00	57.60 -2.91 0.00	59.65 -2.61 0.00	48.78 -2.00 0.00	50.29 -0.96 0.00
SELKIRK___I 23801	47.85 0.46 0.00	46.30 0.62 0.00	46.51 0.67 0.00	42.91 0.62 0.00	41.46 0.60 0.00	48.82 0.70 0.00	66.09 0.95 0.00	149.38 1.74 0.00	104.59 1.18 0.00	50.45 0.25 0.00	45.02 0.06 0.00	46.97 0.12 0.00	41.60 -0.01 0.00	41.98 0.12 0.00	42.22 0.36 0.00	43.41 0.53 0.00	45.11 0.70 0.00	54.14 0.67 0.00	64.24 0.82 0.00	69.04 0.73 0.00	61.19 0.68 0.00	62.91 0.65 0.00	51.31 0.54 0.00	51.75 0.49 0.00
SELKIRK___II 23799	47.58 0.19 0.00	46.01 0.33 0.00	46.21 0.37 0.00	42.63 0.34 0.00	41.20 0.33 0.00	48.54 0.42 0.00	65.71 0.57 0.00	148.75 1.11 0.00	104.12 0.71 0.00	50.24 0.03 0.00	44.89 -0.07 0.00	46.89 0.03 0.00	41.57 -0.03 0.00	41.98 0.12 0.00	42.20 0.33 0.00	43.30 0.42 0.00	44.89 0.48 0.00	53.86 0.38 0.00	63.91 0.49 0.00	68.70 0.39 0.00	60.86 0.35 0.00	62.57 0.31 0.00	51.04 0.27 0.00	51.45 0.19 0.00
SENECA OSWGO___HYD 24041	46.24 -1.15 0.00	44.51 -1.18 0.00	44.65 -1.19 0.00	41.25 -1.04 0.00	39.89 -0.98 0.00	46.91 -1.21 0.00	63.58 -1.56 0.00	144.10 -3.54 0.00	100.83 -2.58 0.00	48.98 -1.22 0.00	43.89 -1.07 0.00	45.73 -1.13 0.00	40.67 -0.93 0.00	40.91 -0.94 0.00	40.90 -0.97 0.00	41.83 -1.05 0.00	43.31 -1.11 0.00	52.26 -1.21 0.00	61.99 -1.43 0.00	66.78 -1.53 0.00	59.13 -1.38 0.00	60.76 -1.49 0.00	49.51 -1.26 0.00	50.00 -1.26 0.00
SENECA___115KV_TB3 355854	46.75 -0.64 0.00	44.43 -1.25 0.00	44.49 -1.34 0.00	40.98 -1.31 0.00	39.73 -1.13 0.00	46.49 -1.63 0.00	61.53 -3.61 0.00	138.95 -8.69 0.00	96.93 -6.48 0.00	48.26 -1.94 0.00	44.25 -0.72 0.00	46.19 -0.67 0.00	41.04 -0.56 0.00	40.72 -0.97 0.17	39.34 -1.38 1.15	39.62 -1.86 1.40	40.71 -2.39 1.31	48.46 -2.56 2.45	58.23 -2.71 2.48	64.81 -2.49 1.02	57.47 -2.26 0.79	59.01 -1.91 1.35	46.19 -1.46 3.11	48.59 -0.47 2.21
SENECA___ENERGY 23797	46.99 -0.40 0.00	45.23 -0.45 0.00	45.33 -0.51 0.00	41.89 -0.40 0.00	40.53 -0.34 0.00	47.68 -0.44 0.00	64.42 -0.72 0.00	145.48 -2.16 0.00	101.47 -1.95 0.00	49.51 -0.69 0.00	44.55 -0.42 0.00	46.35 -0.51 0.00	41.25 -0.35 0.00	41.36 -0.50 0.00	41.39 -0.47 0.00	42.19 -0.69 0.00	43.69 -0.72 0.00	52.82 -0.65 0.00	62.71 -0.72 0.00	67.54 -0.76 0.00	59.77 -0.74 0.00	61.60 -0.66 0.00	50.18 -0.59 0.00	50.86 -0.41 0.00
SHOEMAKER___GT 23640	48.92 1.53 0.00	47.19 1.51 0.00	47.37 1.53 0.00	43.59 1.30 0.00	42.10 1.23 0.00	49.68 1.56 0.00	67.38 2.24 0.00	153.76 6.12 0.00	106.86 3.45 0.00	51.71 1.51 0.00	46.28 1.32 0.00	48.37 1.51 0.00	42.86 1.26 0.00	43.37 1.51 0.00	43.45 1.58 0.00	44.44 1.56 0.00	46.08 1.66 0.00	55.27 1.80 0.00	65.88 2.46 0.00	70.67 2.36 0.00	62.35 1.83 0.00	64.38 2.12 0.00	52.55 1.78 0.00	52.93 1.67 0.00
SHOEMAKR_138KV_BK 111 55601	48.90 1.51 0.00	47.17 1.50 0.00	47.34 1.51 0.00	43.56 1.27 0.00	42.07 1.21 0.00	49.65 1.53 0.00	67.34 2.20 0.00	153.67 6.03 0.00	106.85 3.43 0.00	51.71 1.51 0.00	46.31 1.35 0.00	48.40 1.55 0.00	42.89 1.29 0.00	43.40 1.54 0.00	43.48 1.61 0.00	44.47 1.59 0.00	46.09 1.67 0.00	55.27 1.80 0.00	65.85 2.43 0.00	70.65 2.34 0.00	62.31 1.80 0.00	64.35 2.09 0.00	52.51 1.75 0.00	52.91 1.65 0.00
SHOREHAM_IC_1 23715	47.84 0.45 0.00	46.04 0.36 0.00	46.28 0.44 0.00	42.52 0.22 0.00	38.41 0.04 2.49	11.50 0.10 36.72	52.73 0.84 13.25	83.01 3.55 68.18	35.24 2.28 70.45	39.68 1.43 11.95	46.50 1.54 0.00	39.48 0.91 8.28	15.55 0.73 26.78	-3.35 1.06 46.26	22.55 0.96 20.28	17.08 0.88 26.68	42.27 1.20 3.34	39.66 0.79 14.60	30.66 1.31 34.08	28.46 1.05 40.90	37.73 0.88 23.66	37.70 1.04 25.60	32.51 0.55 18.81	43.67 0.40 7.99
SHOREHAM_IC_2 23716	47.84 0.45 0.00	46.04 0.36 0.00	46.28 0.44 0.00	42.52 0.22 0.00	38.41 0.04 2.49	11.50 0.10 36.72	52.73 0.85 13.25	83.00 3.54 68.18	35.27 2.30 70.45	39.70 1.45 11.95	46.50 1.54 0.00	39.47 0.90 8.28	15.55 0.72 26.78	-3.36 1.05 46.26	22.55 0.97 20.28	17.07 0.87 26.68	42.29 1.21 3.34	39.66 0.79 14.60	30.69 1.35 34.08	28.50 1.08 40.90	37.76 0.91 23.66	37.73 1.07 25.60	32.54 0.58 18.81	43.68 0.41 7.99
SISSONVILLE____ 23735	49.48 2.09 0.00	47.46 1.78 0.00	47.48 1.64 0.00	43.77 1.48 0.00	42.47 1.60 0.00	50.15 2.03 0.00	68.07 2.93 0.00	154.33 6.68 0.00	358.50 5.59 -249.49	52.63 2.43 0.00	47.00 2.04 0.00	49.35 2.49 0.00	43.67 2.06 0.00	43.38 1.52 0.00	43.06 1.19 0.00	43.82 0.94 0.00	45.03 0.61 0.00	54.61 1.14 0.00	64.87 1.45 0.00	70.43 2.12 0.00	62.99 2.48 0.00	64.94 2.68 0.00	53.15 2.38 0.00	53.65 2.40 0.00
SITHE_IND_GS1 24169	45.71 -1.68 0.00	44.02 -1.67 0.00	44.16 -1.68 0.00	40.81 -1.48 0.00	39.44 -1.42 0.00	46.37 -1.74 0.00	62.81 -2.33 0.00	142.19 -5.45 0.00	99.48 -3.93 0.00	48.39 -1.82 0.00	43.39 -1.58 0.00	45.18 -1.68 0.00	40.19 -1.41 0.00	40.42 -1.45 0.00	40.40 -1.47 0.00	41.33 -1.55 0.00	42.85 -1.57 0.00	51.60 -1.88 0.00	61.19 -2.23 0.00	65.92 -2.39 0.00	58.39 -2.12 0.00	59.98 -2.28 0.00	48.90 -1.86 0.00	49.39 -1.87 0.00
SITHE_IND_GS2 24170	45.71 -1.68 0.00	44.02 -1.67 0.00	44.16 -1.68 0.00	40.81 -1.48 0.00	39.44 -1.42 0.00	46.37 -1.74 0.00	62.81 -2.33 0.00	142.19 -5.45 0.00	99.48 -3.93 0.00	48.39 -1.82 0.00	43.39 -1.58 0.00	45.18 -1.68 0.00	40.19 -1.41 0.00	40.42 -1.45 0.00	40.40 -1.47 0.00	41.33 -1.55 0.00	42.85 -1.57 0.00	51.60 -1.88 0.00	61.19 -2.23 0.00	65.92 -2.39 0.00	58.39 -2.12 0.00	59.98 -2.28 0.00	48.90 -1.86 0.00	49.39 -1.87 0.00
SITHE_IND_GS3 24171	45.71 -1.68 0.00	44.02 -1.67 0.00	44.16 -1.68 0.00	40.81 -1.48 0.00	39.44 -1.42 0.00	46.37 -1.74 0.00	62.81 -2.33 0.00	142.19 -5.45 0.00	99.48 -3.93 0.00	48.39 -1.82 0.00	43.39 -1.58 0.00	45.18 -1.68 0.00	40.19 -1.41 0.00	40.42 -1.45 0.00	40.40 -1.47 0.00	41.33 -1.55 0.00	42.85 -1.57 0.00	51.60 -1.88 0.00	61.19 -2.23 0.00	65.92 -2.39 0.00	58.39 -2.12 0.00	59.98 -2.28 0.00	48.90 -1.86 0.00	49.39 -1.87 0.00
SITHE_IND_GS4 24172	45.71 -1.68 0.00	44.02 -1.67 0.00	44.16 -1.68 0.00	40.81 -1.48 0.00	39.44 -1.42 0.00	46.37 -1.74 0.00	62.81 -2.33 0.00	142.19 -5.45 0.00	99.48 -3.93 0.00	48.39 -1.82 0.00	43.39 -1.58 0.00	45.18 -1.68 0.00	40.19 -1.41 0.00	40.42 -1.45 0.00	40.40 -1.47 0.00	41.33 -1.55 0.00	42.85 -1.57 0.00	51.60 -1.88 0.00	61.19 -2.23 0.00	65.92 -2.39 0.00	58.39 -2.12 0.00	59.98 -2.28 0.00	48.90 -1.86 0.00	49.39 -1.87 0.00

SITHE___BATAVIA 24024	47.56 0.18 0.00	45.16 -0.51 0.00	45.28 -0.56 0.00	41.70 -0.59 0.00	40.47 -0.40 0.00	47.49 -0.62 0.00	63.12 -2.02 0.00	143.03 -4.61 0.00	99.84 -3.57 0.00	49.42 -0.78 0.00	44.85 -0.11 0.00	46.62 -0.23 0.00	41.57 -0.03 0.00	41.44 -0.32 0.11	40.49 -0.65 0.72	40.91 -1.08 0.90	42.14 -1.43 0.84	50.63 -1.27 1.57	60.71 -1.12 1.59	66.77 -0.65 0.65	59.16 -0.84 0.50	60.74 -0.66 0.86	48.20 -0.58 2.00	50.07 0.22 1.41
SITHE___INDEPEND 23800	45.71 -1.68 0.00	44.02 -1.67 0.00	44.16 -1.68 0.00	40.81 -1.48 0.00	39.44 -1.42 0.00	46.37 -1.74 0.00	62.80 -2.34 0.00	142.19 -5.45 0.00	99.48 -3.93 0.00	48.39 -1.82 0.00	43.39 -1.57 0.00	45.18 -1.68 0.00	40.19 -1.41 0.00	40.42 -1.45 0.00	40.40 -1.47 0.00	41.33 -1.55 0.00	42.85 -1.57 0.00	51.60 -1.88 0.00	61.19 -2.23 0.00	65.92 -2.39 0.00	58.39 -2.12 0.00	59.98 -2.28 0.00	48.90 -1.87 0.00	49.38 -1.88 0.00
SITHE___MASSENA 23902	48.90 1.51 0.00	46.99 1.31 0.00	47.08 1.24 0.00	43.38 1.09 0.00	41.99 1.12 0.00	49.51 1.39 0.00	66.97 1.82 0.00	151.65 4.01 0.00	537.36 3.60 -430.35	51.97 1.77 0.00	46.52 1.55 0.00	48.45 1.59 0.00	43.00 1.40 0.00	43.06 1.20 0.00	42.86 0.99 0.00	43.85 0.96 0.00	45.33 0.92 0.00	54.81 1.33 0.00	65.01 1.58 0.00	70.18 1.87 0.00	62.29 1.78 0.00	64.13 1.88 0.00	52.28 1.51 0.00	52.83 1.57 0.00
SITHE___OGDNSBRG 24021	49.98 2.59 0.00	47.95 2.27 0.00	47.96 2.12 0.00	44.20 1.91 0.00	42.87 2.01 0.00	50.64 2.52 0.00	68.73 3.59 0.00	155.68 8.04 0.00	429.63 6.48 -319.74	52.94 2.73 0.00	47.33 2.36 0.00	49.50 2.64 0.00	43.80 2.21 0.00	43.61 1.75 0.00	43.25 1.38 0.00	44.08 1.20 0.00	45.72 1.30 0.00	55.69 2.22 0.00	66.23 2.81 0.00	71.74 3.43 0.00	63.83 3.32 0.00	65.73 3.47 0.00	53.61 2.83 0.00	54.11 2.85 0.00
SITHE___STERLING 23777	48.21 0.82 0.00	46.43 0.75 0.00	46.58 0.74 0.00	43.11 0.82 0.00	41.82 0.95 0.00	49.46 1.35 0.00	67.36 2.22 0.00	153.09 5.45 0.00	122.65 3.43 -15.80	51.71 1.51 0.00	46.20 1.23 0.00	48.01 1.16 0.00	42.71 1.11 0.00	42.87 1.01 0.00	42.92 1.06 0.00	44.05 1.16 0.00	45.75 1.33 0.00	55.23 1.76 0.00	65.24 1.82 0.00	70.38 2.07 0.00	62.28 1.78 0.00	64.01 1.75 0.00	52.12 1.35 0.00	52.55 1.30 0.00
SLEIGHT__34_KV_TB1 80719	46.71 -0.68 0.00	44.77 -0.91 0.00	44.89 -0.95 0.00	41.43 -0.86 0.00	40.06 -0.80 0.00	47.18 -0.93 0.00	63.64 -1.50 0.00	144.34 -3.30 0.00	100.80 -2.62 0.00	49.26 -0.94 0.00	44.38 -0.58 0.00	46.25 -0.61 0.00	41.16 -0.44 0.00	41.23 -0.63 0.00	41.12 -0.75 0.00	41.93 -0.95 0.00	43.36 -1.06 0.00	52.47 -1.00 0.00	62.37 -1.05 0.00	67.27 -1.03 0.00	59.52 -0.99 0.00	61.18 -1.09 0.00	49.83 -0.94 0.00	50.52 -0.74 0.00
SMITHTWN_69_KV_BK 1 55830	48.56 1.18 0.00	46.74 1.06 0.00	46.97 1.14 0.00	43.10 0.81 0.00	38.98 0.58 2.47	12.67 0.75 36.19	59.85 1.41 6.70	89.29 4.47 62.82	35.89 2.31 69.84	39.72 1.36 11.84	46.53 1.57 0.00	37.61 1.52 10.77	8.07 1.28 34.82	-16.69 1.62 60.17	17.23 1.51 26.15	17.71 1.27 26.44	42.54 1.44 3.31	40.35 1.35 14.47	31.75 2.10 33.78	29.62 1.85 40.53	38.39 1.33 23.45	38.47 1.59 25.38	33.36 1.23 18.64	43.25 1.29 9.29
SOUTH CAIRO___GT 23612	48.67 1.28 0.00	47.05 1.37 0.00	47.25 1.41 0.00	43.62 1.33 0.00	42.66 1.79 0.00	50.69 2.57 0.00	69.01 3.87 0.00	156.85 9.20 0.00	109.84 6.42 0.00	52.71 2.51 0.00	46.47 1.51 0.00	48.42 1.56 0.00	42.94 1.34 0.00	43.09 1.24 0.00	43.32 1.46 0.00	44.79 1.91 0.00	46.15 1.74 0.00	55.72 2.25 0.00	66.23 2.81 0.00	71.16 2.85 0.00	63.05 2.54 0.00	64.62 2.36 0.00	52.58 1.81 0.00	52.90 1.64 0.00
SOUTH HAMPTN___IC 23720	48.24 0.85 0.00	46.43 0.75 0.00	46.78 0.95 0.00	43.15 0.86 0.00	39.09 0.72 2.50	12.27 0.98 36.83	53.20 2.03 13.97	85.15 6.35 68.84	36.82 4.01 70.61	40.43 2.20 11.97	47.20 2.23 0.00	40.43 1.76 8.18	16.64 1.50 26.45	-2.03 1.81 45.70	23.45 1.63 20.04	17.61 1.47 26.74	42.88 1.82 3.35	40.48 1.65 14.64	31.78 2.52 34.16	29.25 1.93 40.99	38.22 1.43 23.72	38.40 1.80 25.66	33.04 1.13 18.85	44.29 0.97 7.94
SOUTHDOW_115KV_TB1 355954	48.10 0.71 0.00	45.70 0.02 0.00	45.65 -0.18 0.00	42.09 -0.20 0.00	40.89 0.02 0.00	47.77 -0.35 0.00	64.06 -1.08 0.00	145.50 -2.14 0.00	101.34 -2.08 0.00	50.12 -0.08 0.00	45.79 0.82 0.00	47.47 0.61 0.00	41.80 0.21 0.00	41.66 -0.21 0.00	41.03 -0.83 0.00	41.40 -1.48 0.00	42.42 -2.00 0.00	52.13 -1.35 0.00	62.23 -1.19 0.00	67.79 -0.51 0.00	59.81 -0.70 0.00	62.05 -0.21 0.00	50.73 -0.04 0.00	52.10 0.85 0.00
SOUTHOLD_69_KV_BK 2 55809	48.19 0.80 0.00	46.39 0.70 0.00	46.86 1.02 0.00	43.45 1.16 0.00	39.42 1.05 2.50	12.76 1.47 36.82	53.95 2.76 13.96	87.06 8.25 68.83	38.11 5.29 70.60	41.02 2.79 11.97	47.70 2.73 0.00	40.95 2.27 8.18	17.10 1.95 26.44	-1.64 2.19 45.69	23.77 1.94 20.04	17.92 1.78 26.74	43.27 2.20 3.35	40.94 2.09 14.64	32.45 3.18 34.16	29.51 2.19 40.99	38.33 1.53 23.71	38.76 2.16 25.66	33.24 1.32 18.85	44.42 1.10 7.94
SOUTHOLD___IC 23719	48.19 0.80 0.00	46.39 0.70 0.00	46.87 1.03 0.00	43.45 1.16 0.00	39.42 1.05 2.50	12.75 1.47 36.82	53.94 2.76 13.96	87.06 8.25 68.83	38.10 5.28 70.60	41.02 2.79 11.97	47.69 2.73 0.00	40.95 2.28 8.18	17.10 1.95 26.44	-1.63 2.20 45.69	23.77 1.94 20.04	17.92 1.78 26.74	43.24 2.18 3.35	40.94 2.10 14.64	32.42 3.16 34.16	29.49 2.17 40.99	38.31 1.51 23.71	38.73 2.13 25.66	33.20 1.28 18.85	44.41 1.09 7.94
SOUTH_FORK_WT_PWR 323839	47.86 0.47 0.00	46.09 0.41 0.00	46.68 0.84 0.00	43.46 1.17 0.00	39.47 1.10 2.50	12.84 1.55 36.82	54.12 2.95 13.96	87.62 8.82 68.84	38.48 5.67 70.61	41.20 2.97 11.97	47.85 2.88 0.00	41.09 2.42 8.18	17.24 2.08 26.45	-1.53 2.31 45.70	23.76 1.94 20.04	17.89 1.75 26.74	43.24 2.18 3.35	40.91 2.07 14.64	32.43 3.17 34.16	29.12 1.80 40.99	37.88 1.09 23.71	38.50 1.90 25.66	32.94 1.02 18.85	44.12 0.80 7.94
SPIERFLS_115KV_TB 1 80737	48.58 1.19 0.00	46.98 1.30 0.00	47.01 1.17 0.00	43.51 1.23 0.00	42.18 1.31 0.00	49.82 1.70 0.00	67.64 2.50 0.00	152.59 4.95 0.00	106.84 3.43 0.00	51.31 1.11 0.00	45.84 0.88 0.00	47.98 1.13 0.00	42.53 0.94 0.00	42.64 0.78 0.00	43.07 1.20 0.00	44.31 1.43 0.00	45.96 1.55 0.00	55.50 2.03 0.00	65.82 2.39 0.00	70.92 2.61 0.00	62.81 2.31 0.00	64.14 1.88 0.00	52.18 1.41 0.00	52.61 1.35 0.00
ST LAWRENCE____ 23600	48.03 0.65 0.00	46.20 0.52 0.00	46.31 0.47 0.00	42.68 0.39 0.00	41.29 0.42 0.00	48.68 0.56 0.00	65.79 0.65 0.00	149.03 1.39 0.00	76.45 1.46 28.42	51.08 0.88 0.00	45.72 0.75 0.00	47.56 0.70 0.00	42.24 0.64 0.00	42.36 0.50 0.00	42.21 0.34 0.00	43.23 0.35 0.00	44.71 0.29 0.00	54.00 0.53 0.00	64.02 0.60 0.00	69.05 0.74 0.00	61.21 0.70 0.00	63.01 0.75 0.00	51.36 0.58 0.00	51.89 0.63 0.00

STATE_CA_115KV_115_LB 55624	47.53 0.14 0.00	45.95 0.27 0.00	46.13 0.29 0.00	42.58 0.29 0.00	41.18 0.32 0.00	48.50 0.39 0.00	65.70 0.56 0.00	148.51 0.87 0.00	104.05 0.63 0.00	50.12 -0.08 0.00	44.80 -0.17 0.00	46.80 -0.05 0.00	41.48 -0.12 0.00	41.91 0.05 0.00	42.23 0.36 0.00	43.35 0.47 0.00	45.02 0.60 0.00	54.00 0.53 0.00	64.05 0.63 0.00	68.84 0.54 0.00	60.98 0.47 0.00	62.61 0.35 0.00	51.02 0.25 0.00	51.40 0.14 0.00
STATE_ST_34_KV_LOAD 55959	47.33 -0.06 0.00	45.57 -0.11 0.00	45.66 -0.18 0.00	42.26 -0.03 0.00	40.74 -0.12 0.00	48.08 -0.04 0.00	65.17 0.03 0.00	147.13 -0.51 0.00	102.60 -0.82 0.00	50.01 -0.19 0.00	44.76 -0.21 0.00	46.61 -0.24 0.00	41.48 -0.12 0.00	41.56 -0.30 0.00	41.57 -0.30 0.00	42.50 -0.38 0.00	44.15 -0.27 0.00	53.34 -0.13 0.00	63.38 -0.04 0.00	68.36 0.05 0.00	60.50 -0.01 0.00	62.17 -0.09 0.00	50.61 -0.16 0.00	51.19 -0.07 0.00
STATION_5_MISC_HYD 23604	47.01 -0.37 0.00	44.92 -0.76 0.00	45.02 -0.82 0.00	41.51 -0.78 0.00	40.21 -0.66 0.00	47.25 -0.87 0.00	63.38 -1.76 0.00	143.75 -3.89 0.00	100.44 -2.97 0.00	49.36 -0.84 0.00	44.71 -0.25 0.00	46.65 -0.21 0.00	41.51 -0.09 0.00	41.50 -0.30 0.06	40.89 -0.56 0.41	41.52 -0.84 0.52	42.92 -1.00 0.49	51.56 -0.99 0.92	61.47 -1.02 0.93	66.97 -0.96 0.38	59.34 -0.88 0.30	60.91 -0.84 0.50	48.86 -0.74 1.17	50.07 -0.36 0.83
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	46.93 -0.45 0.00	45.02 -0.65 0.00	45.13 -0.70 0.00	41.65 -0.64 0.00	40.32 -0.54 0.00	47.43 -0.69 0.00	63.91 -1.23 0.00	144.75 -2.89 0.00	101.08 -2.34 0.00	49.46 -0.74 0.00	44.61 -0.35 0.00	46.48 -0.37 0.00	41.34 -0.26 0.00	41.45 -0.41 0.00	41.33 -0.54 0.00	42.13 -0.75 0.00	43.53 -0.89 0.00	52.66 -0.81 0.00	62.61 -0.81 0.00	67.55 -0.75 0.00	59.76 -0.76 0.00	61.48 -0.78 0.00	50.05 -0.72 0.00	50.79 -0.47 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	46.70 -0.69 0.00	44.65 -1.03 0.00	44.75 -1.09 0.00	41.27 -1.02 0.00	39.97 -0.90 0.00	46.97 -1.14 0.00	63.05 -2.09 0.00	143.01 -4.63 0.00	99.95 -3.46 0.00	49.08 -1.13 0.00	44.41 -0.56 0.00	46.34 -0.52 0.00	41.23 -0.37 0.00	41.29 -0.57 0.00	41.07 -0.79 0.00	41.81 -1.07 0.00	43.14 -1.28 0.00	52.18 -1.29 0.00	62.03 -1.39 0.00	66.94 -1.37 0.00	59.26 -1.25 0.00	61.01 -1.25 0.00	49.70 -1.07 0.00	50.55 -0.71 0.00
STA_56___34_KV_BUS2 355983	46.70 -0.69 0.00	44.65 -1.03 0.00	44.75 -1.09 0.00	41.27 -1.02 0.00	39.97 -0.90 0.00	46.97 -1.14 0.00	63.05 -2.09 0.00	143.01 -4.63 0.00	99.95 -3.46 0.00	49.08 -1.13 0.00	44.41 -0.56 0.00	46.34 -0.52 0.00	41.23 -0.37 0.00	41.29 -0.57 0.00	41.07 -0.79 0.00	41.81 -1.07 0.00	43.14 -1.28 0.00	52.18 -1.29 0.00	62.03 -1.39 0.00	66.94 -1.37 0.00	59.26 -1.25 0.00	61.01 -1.25 0.00	49.70 -1.07 0.00	50.55 -0.71 0.00
STA_67___115KV_BK2 355882	46.93 -0.45 0.00	44.84 -0.84 0.00	44.94 -0.89 0.00	41.44 -0.85 0.00	40.14 -0.73 0.00	47.16 -0.95 0.00	63.26 -1.88 0.00	143.39 -4.25 0.00	100.24 -3.17 0.00	49.26 -0.94 0.00	44.61 -0.35 0.00	46.55 -0.30 0.00	41.42 -0.18 0.00	41.46 -0.41 0.00	41.22 -0.65 0.00	41.95 -0.93 0.00	43.27 -1.14 0.00	52.36 -1.12 0.00	62.24 -1.18 0.00	67.20 -1.11 0.00	59.49 -1.03 0.00	61.27 -0.99 0.00	49.92 -0.85 0.00	50.79 -0.46 0.00
STA_7___115KV_9TRANS 80674	47.18 -0.21 0.00	45.07 -0.61 0.00	45.17 -0.66 0.00	41.65 -0.64 0.00	40.34 -0.52 0.00	47.42 -0.70 0.00	63.64 -1.50 0.00	144.39 -3.25 0.00	100.91 -2.51 0.00	49.59 -0.61 0.00	44.91 -0.06 0.00	46.86 0.00 0.00	41.70 0.10 0.00	41.73 -0.13 0.00	41.48 -0.38 0.00	42.22 -0.66 0.00	43.58 -0.84 0.00	52.75 -0.73 0.00	62.72 -0.70 0.00	67.71 -0.60 0.00	59.93 -0.58 0.00	61.71 -0.55 0.00	50.24 -0.53 0.00	51.09 -0.16 0.00
STA_82___115KV_TB1 80780	46.94 -0.45 0.00	44.85 -0.84 0.00	44.96 -0.87 0.00	41.45 -0.84 0.00	40.16 -0.71 0.00	47.18 -0.94 0.00	63.27 -1.87 0.00	143.49 -4.15 0.00	100.29 -3.12 0.00	49.28 -0.93 0.00	44.62 -0.34 0.00	46.56 -0.30 0.00	41.43 -0.17 0.00	41.47 -0.39 0.00	41.23 -0.64 0.00	41.96 -0.92 0.00	43.28 -1.14 0.00	52.37 -1.11 0.00	62.28 -1.15 0.00	67.21 -1.10 0.00	59.51 -1.00 0.00	61.29 -0.96 0.00	49.94 -0.83 0.00	50.81 -0.45 0.00
STEEL___WIND 323596	46.70 -0.69 0.00	44.38 -1.30 0.00	44.45 -1.39 0.00	40.93 -1.36 0.00	39.67 -1.20 0.00	46.43 -1.68 0.00	61.46 -3.68 0.00	138.78 -8.87 0.00	96.79 -6.63 0.00	48.18 -2.02 0.00	44.16 -0.80 0.00	46.10 -0.76 0.00	40.97 -0.63 0.00	40.65 -1.04 0.17	39.27 -1.44 1.15	39.58 -1.90 1.40	40.65 -2.45 1.31	48.37 -2.66 2.45	58.10 -2.84 2.48	64.69 -2.60 1.02	57.36 -2.36 0.79	58.91 -2.00 1.35	46.13 -1.52 3.11	48.54 -0.52 2.21
STEPHTWN_115KV_BK_2 55603	47.78 0.40 0.00	46.15 0.47 0.00	46.36 0.52 0.00	42.73 0.44 0.00	41.38 0.51 0.00	48.91 0.79 0.00	66.29 1.15 0.00	150.12 2.47 0.00	105.13 1.72 0.00	50.52 0.31 0.00	45.15 0.19 0.00	47.20 0.34 0.00	41.77 0.16 0.00	42.26 0.40 0.00	42.51 0.64 0.00	43.67 0.79 0.00	45.45 1.03 0.00	54.30 0.82 0.00	64.43 1.01 0.00	69.34 1.03 0.00	61.35 0.84 0.00	63.03 0.77 0.00	51.34 0.57 0.00	51.82 0.56 0.00
STEBEN_REC_LFGE 323667	45.94 -1.45 0.00	44.47 -1.21 0.00	44.83 -1.01 0.00	41.36 -0.93 0.00	39.93 -0.93 0.00	46.91 -1.21 0.00	62.76 -2.38 0.00	142.12 -5.52 0.00	98.89 -4.53 0.00	48.67 -1.54 0.00	43.94 -1.03 0.00	45.86 -0.99 0.00	40.49 -1.11 0.00	40.05 -1.81 0.00	40.60 -1.26 0.00	41.23 -1.65 0.00	42.72 -1.70 0.00	52.37 -1.10 0.00	62.56 -0.86 0.00	68.05 -0.26 0.00	60.10 -0.41 0.00	62.14 -0.12 0.00	50.69 -0.08 0.00	51.93 0.67 0.00
STILLWATER___SOLAR 323814	48.74 1.35 0.00	47.12 1.44 0.00	47.25 1.41 0.00	43.64 1.35 0.00	42.27 1.40 0.00	49.87 1.75 0.00	67.60 2.46 0.00	152.64 5.00 0.00	106.92 3.51 0.00	51.40 1.20 0.00	45.88 0.92 0.00	47.95 1.09 0.00	42.47 0.87 0.00	42.71 0.85 0.00	43.09 1.23 0.00	44.30 1.42 0.00	46.06 1.64 0.00	55.51 2.03 0.00	65.83 2.41 0.00	70.86 2.55 0.00	62.81 2.30 0.00	64.32 2.06 0.00	52.35 1.58 0.00	52.80 1.54 0.00
STONY___BROOK 24151	48.48 1.09 0.00	46.66 0.98 0.00	46.88 1.04 0.00	43.02 0.73 0.00	38.90 0.51 2.48	12.34 0.65 36.43	56.11 1.30 10.33	86.13 4.21 65.72	35.46 2.12 70.08	39.65 1.33 11.88	46.51 1.55 0.00	39.07 1.44 9.23	12.98 1.21 29.83	-8.14 1.55 51.55	20.81 1.45 22.51	17.56 1.23 26.54	42.47 1.38 3.33	40.21 1.26 14.52	31.50 1.97 33.90	29.34 1.71 40.68	38.21 1.24 23.54	38.26 1.47 25.47	33.16 1.10 18.71	43.96 1.18 8.47
STURGEON_POOL_HYD 23609	49.05 1.66 0.00	47.32 1.64 0.00	47.53 1.69 0.00	43.71 1.42 0.00	42.14 1.28 0.00	49.73 1.62 0.00	67.49 2.35 0.00	154.13 6.49 0.00	107.22 3.81 0.00	51.93 1.73 0.00	46.49 1.52 0.00	48.62 1.77 0.00	43.11 1.51 0.00	43.61 1.75 0.00	43.69 1.83 0.00	44.73 1.85 0.00	46.31 1.90 0.00	55.45 1.98 0.00	66.04 2.62 0.00	70.82 2.51 0.00	62.47 1.96 0.00	64.55 2.29 0.00	52.72 1.95 0.00	53.07 1.81 0.00

ST_LAW_115_BK7_LBMP 345037	48.12 0.74 0.00	46.27 0.59 0.00	46.37 0.53 0.00	42.74 0.45 0.00	41.34 0.48 0.00	48.75 0.63 0.00	65.89 0.75 0.00	149.18 1.54 0.00	66.58 1.65 38.48	51.17 0.96 0.00	45.81 0.84 0.00	47.66 0.80 0.00	42.32 0.72 0.00	42.42 0.56 0.00	42.26 0.40 0.00	43.27 0.39 0.00	44.74 0.33 0.00	54.06 0.58 0.00	64.10 0.68 0.00	69.14 0.84 0.00	61.30 0.79 0.00	63.13 0.87 0.00	51.44 0.67 0.00	51.98 0.72 0.00
ST_LAW_115_BK8_LBMP 345038	48.12 0.74 0.00	46.27 0.59 0.00	46.37 0.53 0.00	42.74 0.45 0.00	41.34 0.48 0.00	48.75 0.63 0.00	65.89 0.75 0.00	149.18 1.54 0.00	66.58 1.65 38.48	51.17 0.96 0.00	45.81 0.84 0.00	47.66 0.80 0.00	42.32 0.72 0.00	42.42 0.56 0.00	42.26 0.40 0.00	43.27 0.39 0.00	44.74 0.33 0.00	54.06 0.58 0.00	64.10 0.68 0.00	69.14 0.84 0.00	61.30 0.79 0.00	63.13 0.87 0.00	51.44 0.67 0.00	51.98 0.72 0.00
ST_LAW_230_BK5_LBMP 345035	48.03 0.65 0.00	46.20 0.52 0.00	46.31 0.47 0.00	42.68 0.39 0.00	41.29 0.42 0.00	48.68 0.56 0.00	65.79 0.65 0.00	149.03 1.39 0.00	82.57 1.46 22.31	51.08 0.88 0.00	45.72 0.75 0.00	47.56 0.70 0.00	42.24 0.64 0.00	42.36 0.50 0.00	42.21 0.34 0.00	43.23 0.35 0.00	44.71 0.29 0.00	54.00 0.53 0.00	64.02 0.60 0.00	69.05 0.74 0.00	61.21 0.70 0.00	63.01 0.75 0.00	51.36 0.58 0.00	51.89 0.63 0.00
ST_LAW_230_BK6_LBMP 345036	48.03 0.65 0.00	46.20 0.52 0.00	46.31 0.47 0.00	42.68 0.39 0.00	41.29 0.42 0.00	48.68 0.56 0.00	65.79 0.65 0.00	149.03 1.39 0.00	82.57 1.46 22.31	51.08 0.88 0.00	45.72 0.75 0.00	47.56 0.70 0.00	42.24 0.64 0.00	42.36 0.50 0.00	42.21 0.34 0.00	43.23 0.35 0.00	44.71 0.29 0.00	54.00 0.53 0.00	64.02 0.60 0.00	69.05 0.74 0.00	61.21 0.70 0.00	63.01 0.75 0.00	51.36 0.58 0.00	51.89 0.63 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	49.01 1.62 0.00	47.26 1.58 0.00	47.43 1.59 0.00	43.63 1.34 0.00	42.15 1.29 0.00	49.79 1.67 0.00	67.55 2.41 0.00	154.28 6.64 0.00	107.20 3.78 0.00	51.93 1.72 0.00	46.54 1.58 0.00	48.68 1.82 0.00	43.11 1.51 0.00	43.65 1.79 0.00	43.74 1.88 0.00	44.72 1.84 0.00	46.28 1.86 0.00	55.47 2.00 0.00	66.13 2.71 0.00	70.88 2.57 0.00	62.43 1.92 0.00	64.50 2.24 0.00	52.64 1.87 0.00	53.02 1.76 0.00
SWANROAD_115KV_TB1 355699	45.67 -1.72 0.00	43.22 -2.46 0.00	43.35 -2.49 0.00	39.91 -2.38 0.00	38.73 -2.13 0.00	45.27 -2.85 0.00	59.38 -5.76 0.00	133.79 -13.85 0.00	93.60 -9.82 0.00	46.87 -3.33 0.00	43.10 -1.86 0.00	45.03 -1.83 0.00	40.16 -1.44 0.00	39.94 -1.93 0.00	39.38 -2.48 0.00	39.75 -3.13 0.00	40.61 -3.81 0.00	49.24 -4.23 0.00	58.66 -4.76 0.00	63.62 -4.69 0.00	56.40 -4.11 0.00	58.41 -3.85 0.00	47.76 -3.00 0.00	49.39 -1.87 0.00
SYNERGY___BIOGAS 323694	47.56 0.17 0.00	45.16 -0.52 0.00	45.28 -0.56 0.00	41.70 -0.59 0.00	40.47 -0.40 0.00	47.50 -0.62 0.00	63.11 -2.03 0.00	143.03 -4.61 0.00	99.86 -3.56 0.00	49.42 -0.78 0.00	44.85 -0.11 0.00	46.62 -0.23 0.00	41.58 -0.02 0.00	41.54 -0.32 0.00	41.21 -0.66 0.00	41.80 -1.09 0.00	42.92 -1.50 0.00	52.18 -1.29 0.00	62.29 -1.13 0.00	67.41 -0.90 0.00	59.66 -0.85 0.00	61.57 -0.68 0.00	50.18 -0.59 0.00	51.46 0.20 0.00
SYRACUSE___ENERGY_ST1 323597	46.83 -0.56 0.00	45.10 -0.58 0.00	45.25 -0.59 0.00	41.80 -0.49 0.00	40.42 -0.45 0.00	47.56 -0.56 0.00	64.49 -0.65 0.00	146.04 -1.61 0.00	102.02 -1.39 0.00	49.57 -0.63 0.00	44.40 -0.57 0.00	46.27 -0.58 0.00	41.14 -0.46 0.00	41.37 -0.49 0.00	41.38 -0.49 0.00	42.35 -0.54 0.00	43.89 -0.53 0.00	52.90 -0.57 0.00	62.76 -0.67 0.00	67.63 -0.67 0.00	59.87 -0.64 0.00	61.52 -0.74 0.00	50.12 -0.65 0.00	50.62 -0.64 0.00
SYRACUSE___ENERGY_ST2 323598	46.83 -0.56 0.00	45.10 -0.58 0.00	45.25 -0.59 0.00	41.80 -0.49 0.00	40.42 -0.45 0.00	47.56 -0.56 0.00	64.49 -0.65 0.00	146.04 -1.61 0.00	102.02 -1.39 0.00	49.57 -0.63 0.00	44.40 -0.57 0.00	46.27 -0.58 0.00	41.14 -0.46 0.00	41.37 -0.49 0.00	41.38 -0.49 0.00	42.35 -0.54 0.00	43.89 -0.53 0.00	52.90 -0.57 0.00	62.76 -0.67 0.00	67.63 -0.67 0.00	59.87 -0.64 0.00	61.52 -0.74 0.00	50.12 -0.65 0.00	50.62 -0.64 0.00
SYRACUSE___POWER 24017	46.84 -0.55 0.00	45.11 -0.57 0.00	45.25 -0.58 0.00	41.80 -0.49 0.00	40.44 -0.43 0.00	47.56 -0.56 0.00	64.47 -0.68 0.00	146.15 -1.49 0.00	102.08 -1.34 0.00	49.61 -0.60 0.00	44.42 -0.54 0.00	46.31 -0.54 0.00	41.16 -0.44 0.00	41.43 -0.43 0.00	41.42 -0.45 0.00	42.39 -0.49 0.00	43.94 -0.48 0.00	52.93 -0.55 0.00	62.81 -0.61 0.00	67.70 -0.61 0.00	59.92 -0.59 0.00	61.57 -0.69 0.00	50.15 -0.62 0.00	50.65 -0.61 0.00
TALLMAN__138KV_BK151 55660	49.15 1.77 0.00	47.37 1.69 0.00	47.50 1.66 0.00	43.68 1.39 0.00	42.22 1.36 0.00	49.92 1.80 0.00	67.87 2.73 0.00	155.18 7.54 0.00	107.75 4.33 0.00	52.20 1.99 0.00	46.83 1.86 0.00	49.01 2.15 0.00	43.39 1.78 0.00	43.96 2.10 0.00	44.01 2.15 0.00	44.93 2.05 0.00	46.47 2.06 0.00	55.67 2.20 0.00	66.43 3.01 0.00	71.16 2.85 0.00	62.62 2.11 0.00	64.73 2.47 0.00	52.80 2.03 0.00	53.17 1.92 0.00
TEALLAVE_115KV_TB7 355573	46.57 -0.82 0.00	44.84 -0.84 0.00	44.99 -0.85 0.00	41.56 -0.73 0.00	40.20 -0.67 0.00	47.25 -0.87 0.00	64.03 -1.11 0.00	145.12 -2.53 0.00	101.44 -1.97 0.00	49.32 -0.89 0.00	44.20 -0.77 0.00	46.06 -0.79 0.00	40.96 -0.64 0.00	41.22 -0.64 0.00	41.20 -0.66 0.00	42.16 -0.73 0.00	43.67 -0.74 0.00	52.61 -0.86 0.00	62.40 -1.03 0.00	67.22 -1.09 0.00	59.51 -1.00 0.00	61.14 -1.12 0.00	49.83 -0.94 0.00	50.34 -0.92 0.00
TELGRAPH_34_KV_EAST 80808	46.65 -0.74 0.00	44.23 -1.45 0.00	44.36 -1.48 0.00	40.84 -1.45 0.00	39.62 -1.24 0.00	46.41 -1.71 0.00	61.25 -3.89 0.00	138.40 -9.24 0.00	96.77 -6.65 0.00	48.18 -2.02 0.00	44.08 -0.89 0.00	46.00 -0.86 0.00	41.02 -0.58 0.00	40.84 -1.02 0.00	40.36 -1.51 0.00	40.83 -2.05 0.00	41.86 -2.56 0.00	50.80 -2.68 0.00	60.53 -2.89 0.00	65.59 -2.72 0.00	58.09 -2.42 0.00	60.08 -2.18 0.00	49.06 -1.71 0.00	50.51 -0.75 0.00
TEMPLE___115KV_TB 2 55572	46.57 -0.82 0.00	44.84 -0.84 0.00	45.00 -0.84 0.00	41.57 -0.72 0.00	40.20 -0.67 0.00	47.26 -0.85 0.00	64.04 -1.10 0.00	145.14 -2.50 0.00	101.45 -1.97 0.00	49.32 -0.88 0.00	44.20 -0.76 0.00	46.09 -0.76 0.00	40.97 -0.63 0.00	41.24 -0.62 0.00	41.23 -0.64 0.00	42.17 -0.71 0.00	43.68 -0.73 0.00	52.62 -0.85 0.00	62.42 -1.01 0.00	67.26 -1.05 0.00	59.53 -0.98 0.00	61.15 -1.11 0.00	49.84 -0.94 0.00	50.35 -0.91 0.00
TIANA____69_KV_BK 1 55817	48.25 0.87 0.00	46.43 0.75 0.00	46.74 0.90 0.00	43.06 0.76 0.00	38.96 0.60 2.50	12.13 0.83 36.82	52.98 1.80 13.96	84.61 5.79 68.83	36.44 3.63 70.60	40.25 2.02 11.97	47.03 2.06 0.00	40.27 1.59 8.18	16.50 1.34 26.44	-2.16 1.67 45.69	23.35 1.52 20.04	17.52 1.38 26.74	42.79 1.72 3.35	40.36 1.52 14.64	31.62 2.36 34.16	29.20 1.88 40.99	38.22 1.42 23.71	38.32 1.72 25.66	33.03 1.11 18.85	44.27 0.95 7.94

TILDEN___115KV_TB1 80814	46.84 -0.55 0.00	45.11 -0.57 0.00	45.25 -0.58 0.00	41.80 -0.49 0.00	40.44 -0.43 0.00	47.56 -0.56 0.00	64.47 -0.68 0.00	146.15 -1.49 0.00	102.08 -1.34 0.00	49.61 -0.60 0.00	44.42 -0.54 0.00	46.31 -0.54 0.00	41.16 -0.44 0.00	41.43 -0.43 0.00	41.42 -0.45 0.00	42.39 -0.49 0.00	43.94 -0.48 0.00	52.93 -0.55 0.00	62.81 -0.61 0.00	67.70 -0.61 0.00	59.92 -0.59 0.00	61.57 -0.69 0.00	50.15 -0.62 0.00	50.65 -0.61 0.00
TRIGEN___CC 323695	49.07 1.68 0.00	47.25 1.57 0.00	47.44 1.60 0.00	43.54 1.25 0.00	41.54 1.08 0.40	43.51 1.34 5.95	67.02 2.04 0.16	138.64 5.80 14.80	92.62 3.18 13.98	49.93 1.64 1.91	46.76 1.79 0.00	48.87 2.01 0.00	43.32 1.71 0.00	43.89 2.02 0.00	43.73 1.98 0.11	40.41 1.79 4.26	45.74 1.85 0.53	53.05 1.91 2.33	60.63 2.65 5.44	64.21 2.43 6.53	58.51 1.78 3.78	60.30 2.13 4.09	49.60 1.84 3.00	52.60 1.90 0.56
TRINITY___115KV__4 BK 55933	47.22 -0.17 0.00	45.66 -0.02 0.00	45.85 0.01 0.00	42.32 0.03 0.00	40.92 0.05 0.00	48.21 0.09 0.00	65.23 0.09 0.00	147.48 -0.16 0.00	103.34 -0.08 0.00	49.74 -0.46 0.00	44.46 -0.50 0.00	46.47 -0.39 0.00	41.19 -0.41 0.00	41.63 -0.23 0.00	41.92 0.05 0.00	43.03 0.15 0.00	44.67 0.25 0.00	53.57 0.10 0.00	63.55 0.12 0.00	68.32 0.01 0.00	60.54 0.03 0.00	62.16 -0.10 0.00	50.66 -0.11 0.00	51.07 -0.19 0.00
UNION___PROCESSING_DRP 323587	46.96 -0.42 0.00	44.86 -0.82 0.00	44.97 -0.87 0.00	41.46 -0.83 0.00	40.16 -0.71 0.00	47.19 -0.92 0.00	63.30 -1.85 0.00	143.50 -4.14 0.00	100.31 -3.10 0.00	49.29 -0.91 0.00	44.63 -0.34 0.00	46.56 -0.29 0.00	41.43 -0.17 0.00	41.47 -0.39 0.00	41.24 -0.63 0.00	41.97 -0.91 0.00	43.28 -1.13 0.00	52.39 -1.09 0.00	62.29 -1.14 0.00	67.25 -1.06 0.00	59.52 -0.99 0.00	61.31 -0.95 0.00	49.94 -0.83 0.00	50.82 -0.44 0.00
UPPER HUDSON___HYD 24058	48.58 1.19 0.00	46.98 1.30 0.00	47.01 1.18 0.00	43.51 1.22 0.00	42.18 1.31 0.00	49.82 1.70 0.00	67.64 2.50 0.00	152.58 4.94 0.00	106.84 3.43 0.00	51.31 1.10 0.00	45.84 0.88 0.00	47.98 1.12 0.00	42.54 0.94 0.00	42.64 0.78 0.00	43.07 1.20 0.00	44.30 1.42 0.00	45.96 1.54 0.00	55.50 2.03 0.00	65.82 2.39 0.00	70.91 2.60 0.00	62.81 2.30 0.00	64.14 1.88 0.00	52.18 1.41 0.00	52.61 1.35 0.00
UPPER RAQUET___HYD 24056	49.48 2.09 0.00	47.46 1.78 0.00	47.48 1.64 0.00	43.77 1.48 0.00	42.47 1.61 0.00	50.15 2.03 0.00	68.08 2.94 0.00	154.33 6.69 -249.49	358.50 5.59 0.00	52.63 2.43 0.00	47.00 2.04 0.00	49.35 2.49 0.00	43.67 2.07 0.00	43.38 1.52 0.00	43.06 1.19 0.00	43.82 0.94 0.00	45.03 0.61 0.00	54.61 1.14 0.00	64.87 1.45 0.00	70.43 2.12 0.00	62.99 2.48 0.00	64.94 2.68 0.00	53.15 2.38 0.00	53.66 2.40 0.00
VALLEY44_115KV_TB2 355964	47.14 -0.24 0.00	45.04 -0.64 0.00	45.11 -0.72 0.00	41.61 -0.68 0.00	40.44 -0.43 0.00	47.18 -0.93 0.00	62.75 -2.39 0.00	141.91 -5.73 0.00	98.33 -5.09 0.00	48.79 -1.42 0.00	44.63 -0.34 0.00	46.64 -0.21 0.00	41.29 -0.31 0.00	41.38 -0.48 0.00	41.09 -0.78 0.00	41.40 -1.48 0.00	42.27 -2.15 0.00	51.45 -2.03 0.00	61.50 -1.93 0.00	66.39 -1.92 0.00	58.72 -1.79 0.00	60.83 -1.42 0.00	49.76 -1.01 0.00	51.09 -0.17 0.00
VALLEY___115KV_TB 1-4 80826	48.69 1.30 0.00	47.04 1.36 0.00	47.22 1.39 0.00	43.60 1.31 0.00	42.21 1.34 0.00	49.63 1.51 0.00	67.48 2.34 0.00	153.00 5.36 0.00	106.60 3.19 0.00	51.29 1.09 0.00	45.81 0.84 0.00	47.59 0.73 0.00	41.91 0.32 0.00	42.21 0.35 0.00	42.23 0.37 0.00	43.75 0.87 0.00	45.41 1.00 0.00	54.89 1.41 0.00	65.55 2.13 0.00	70.63 2.32 0.00	62.59 2.08 0.00	64.40 2.14 0.00	52.38 1.61 0.00	52.76 1.50 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	48.93 1.54 0.00	47.26 1.58 0.00	47.44 1.60 0.00	43.74 1.45 0.00	42.23 1.37 0.00	49.64 1.52 0.00	67.54 2.39 0.00	153.46 5.82 0.00	106.99 3.57 0.00	51.92 1.72 0.00	46.57 1.60 0.00	48.58 1.73 0.00	43.06 1.46 0.00	43.38 1.52 0.00	43.31 1.44 0.00	44.34 1.46 0.00	46.02 1.61 0.00	55.23 1.76 0.00	65.67 2.25 0.00	70.77 2.46 0.00	62.62 2.11 0.00	64.61 2.35 0.00	52.68 1.91 0.00	53.14 1.88 0.00
VISCHER___FERRY HYD 24020	48.15 0.76 0.00	46.59 0.90 0.00	46.73 0.89 0.00	43.16 0.87 0.00	41.76 0.89 0.00	49.24 1.12 0.00	66.62 1.48 0.00	150.42 2.77 0.00	105.56 2.14 0.00	50.60 0.40 0.00	45.17 0.21 0.00	47.24 0.39 0.00	41.82 0.22 0.00	42.25 0.39 0.00	42.61 0.75 0.00	43.84 0.96 0.00	45.51 1.09 0.00	54.75 1.27 0.00	64.91 1.49 0.00	69.86 1.56 0.00	61.99 1.48 0.00	63.49 1.23 0.00	51.70 0.93 0.00	52.14 0.88 0.00
V_A_10_SYNC_DSASP 323832	46.37 -1.02 0.00	44.07 -1.62 0.00	44.18 -1.66 0.00	40.69 -1.60 0.00	39.45 -1.42 0.00	46.16 -1.95 0.00	60.97 -4.17 0.00	137.76 -9.89 0.00	96.25 -7.17 0.00	47.85 -2.35 0.00	43.86 -1.10 0.00	45.84 -1.01 0.00	40.82 -0.78 0.00	40.69 -1.17 0.00	40.26 -1.61 0.00	40.77 -2.11 0.00	41.71 -2.71 0.00	50.50 -2.97 0.00	60.14 -3.28 0.00	65.09 -3.22 0.00	57.68 -2.83 0.00	59.67 -2.58 0.00	48.78 -1.99 0.00	50.17 -1.09 0.00
V_CMM_10_SYNC_DSASP 323787	48.39 1.01 0.00	46.52 0.84 0.00	46.62 0.78 0.00	42.96 0.67 0.00	41.57 0.70 0.00	49.02 0.91 0.00	66.24 1.10 0.00	149.28 1.64 38.48	66.50 1.57 0.00	51.41 1.21 0.00	46.07 1.10 0.00	47.91 1.06 0.00	42.56 0.96 0.00	42.66 0.80 0.00	42.48 0.61 0.00	43.49 0.61 0.00	44.97 0.55 0.00	54.34 0.86 0.00	64.44 1.02 0.00	69.51 1.20 0.00	61.65 1.14 0.00	63.45 1.19 0.00	51.72 0.95 0.00	52.26 1.00 0.00
V_CMP_10_SYNC_DSASP 323788	48.74 1.35 0.00	47.10 1.42 0.00	47.26 1.42 0.00	43.67 1.38 0.00	42.36 1.50 0.00	50.01 1.89 0.00	67.05 1.91 0.00	151.81 4.16 0.00	107.45 4.04 0.00	51.92 1.71 0.00	46.39 1.43 0.00	48.06 1.21 0.00	42.70 1.10 0.00	42.72 0.86 0.00	42.68 0.81 0.00	44.10 1.21 0.00	45.40 0.99 0.00	54.96 1.49 0.00	65.06 1.64 0.00	69.79 1.49 0.00	61.76 1.25 0.00	63.24 0.98 0.00	51.76 0.99 0.00	52.54 1.28 0.00
V_D_10_SYNC_DSASP 323841	48.88 1.50 0.00	46.97 1.29 0.00	47.05 1.21 0.00	43.37 1.08 0.00	41.97 1.11 0.00	49.51 1.39 0.00	66.93 1.79 0.00	151.60 3.96 0.00	538.99 3.54 -432.03	51.95 1.75 0.00	46.51 1.54 0.00	48.43 1.57 0.00	42.99 1.39 0.00	43.05 1.19 0.00	42.84 0.98 0.00	43.83 0.95 0.00	45.32 0.90 0.00	54.79 1.32 0.00	65.00 1.58 0.00	70.16 1.85 0.00	62.27 1.76 0.00	64.11 1.85 0.00	52.25 1.48 0.00	52.81 1.55 0.00
V_E_10_SYNC_DSASP 323830	49.93 2.55 0.00	47.97 2.29 0.00	48.08 2.25 0.00	44.35 2.07 0.00	43.20 2.33 0.00	50.91 2.80 0.00	69.73 4.59 0.00	159.00 11.36 0.00	110.22 6.80 0.00	52.93 2.73 0.00	47.16 2.19 0.00	48.88 2.03 0.00	43.38 1.78 0.00	43.63 1.73 -0.04	43.36 1.22 -0.28	44.62 1.40 -0.34	47.03 2.29 -0.32	56.94 2.86 -0.60	67.89 3.87 -0.60	73.14 4.58 -0.25	64.72 4.01 -0.19	66.43 3.84 -0.33	54.39 2.86 -0.76	54.66 2.87 -0.54



V_F_30_NSYNC___DSASP 323816	48.81 1.42 0.00	47.18 1.50 0.00	47.32 1.48 0.00	43.70 1.41 0.00	42.32 1.45 0.00	49.92 1.81 0.00	67.68 2.54 0.00	152.88 5.23 0.00	107.09 3.67 0.00	51.50 1.30 0.00	45.98 1.01 0.00	48.04 1.19 0.00	42.56 0.96 0.00	42.81 0.94 0.00	43.17 1.31 0.00	44.37 1.49 0.00	46.11 1.70 0.00	55.56 2.09 0.00	65.91 2.49 0.00	70.95 2.64 0.00	62.88 2.37 0.00	64.42 2.16 0.00	52.41 1.64 0.00	52.86 1.60 0.00
V_F_30_SYNC_DSASP 323786	47.52 0.14 0.00	45.94 0.26 0.00	46.13 0.29 0.00	42.57 0.28 0.00	41.18 0.31 0.00	48.50 0.38 0.00	65.68 0.54 0.00	148.51 0.87 0.00	104.05 0.63 0.00	50.11 -0.09 0.00	44.79 -0.18 0.00	46.80 -0.05 0.00	41.47 -0.13 0.00	41.89 0.04 0.00	42.23 0.36 0.00	43.35 0.47 0.00	45.01 0.59 0.00	54.00 0.52 0.00	64.04 0.62 0.00	68.83 0.52 0.00	60.97 0.46 0.00	62.60 0.34 0.00	51.01 0.24 0.00	51.39 0.13 0.00
V_XM_10_SYNC_DSASP 323789	48.74 1.35 0.00	47.10 1.42 0.00	47.26 1.42 0.00	43.67 1.38 0.00	42.36 1.50 0.00	50.01 1.89 0.00	67.05 1.91 0.00	151.81 4.16 0.00	107.45 4.04 0.00	51.92 1.71 0.00	46.39 1.43 0.00	48.06 1.21 0.00	42.70 1.10 0.00	42.72 0.86 0.00	42.68 0.81 0.00	44.10 1.21 0.00	45.40 0.99 0.00	54.96 1.49 0.00	65.06 1.64 0.00	69.79 1.49 0.00	61.76 1.25 0.00	63.24 0.98 0.00	51.76 0.99 0.00	52.54 1.28 0.00
W.BABYLN_69_KV_BK1 56697	49.33 1.94 0.00	47.47 1.79 0.00	47.67 1.83 0.00	43.72 1.43 0.00	39.90 1.11 2.08	18.99 1.31 30.43	62.98 2.09 4.25	98.88 5.73 54.50	45.08 3.20 61.54	41.93 1.67 9.95	46.93 1.97 0.00	48.34 2.15 0.66	41.27 1.82 2.15	40.31 2.16 3.71	41.78 2.08 2.17	22.40 1.74 22.22	43.56 1.93 2.79	43.30 1.99 12.16	37.85 2.81 28.38	36.80 2.55 34.06	42.73 1.92 19.71	43.26 2.33 21.32	37.20 2.10 15.67	50.22 2.27 3.30
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	49.61 2.22 0.00	47.78 2.10 0.00	47.92 2.08 0.00	44.06 1.77 0.00	42.59 1.73 0.00	50.36 2.24 0.00	68.55 3.41 0.00	156.78 9.14 0.00	108.85 5.43 0.00	52.78 2.58 0.00	47.09 2.12 0.00	49.28 2.43 0.00	43.64 2.04 0.00	44.20 2.34 0.00	44.24 2.38 0.00	45.14 2.26 0.00	46.73 2.32 0.00	55.99 2.52 0.00	66.79 3.36 0.00	71.55 3.25 0.00	62.99 2.48 0.00	65.08 2.82 0.00	53.09 2.32 0.00	53.44 2.18 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	49.48 2.09 0.00	47.67 1.99 0.00	47.80 1.97 0.00	43.97 1.68 0.00	42.48 1.61 0.00	50.15 2.04 0.00	68.04 2.90 0.00	155.71 8.06 0.00	108.13 4.72 0.00	52.61 2.41 0.00	47.24 2.28 0.00	49.47 2.61 0.00	43.81 2.21 0.00	44.37 2.51 0.00	44.41 2.55 0.00	45.36 2.48 0.00	46.90 2.48 0.00	56.05 2.57 0.00	66.79 3.37 0.00	71.53 3.22 0.00	62.96 2.45 0.00	65.07 2.81 0.00	53.12 2.35 0.00	53.43 2.17 0.00
W50THST__13_KV_LOAD 356117	49.69 2.30 0.00	47.88 2.20 0.00	48.02 2.18 0.00	44.17 1.88 0.00	42.67 1.80 0.00	50.38 2.26 0.00	68.32 3.18 0.00	156.45 8.80 0.00	108.66 5.25 0.00	52.90 2.70 0.00	47.56 2.59 0.00	49.82 2.97 0.00	44.13 2.53 0.00	44.69 2.83 0.00	44.73 2.86 0.00	45.69 2.81 0.00	47.21 2.79 0.00	56.40 2.93 0.00	67.18 3.75 0.00	71.90 3.59 0.00	63.27 2.76 0.00	65.39 3.13 0.00	53.41 2.64 0.00	53.72 2.46 0.00
WADING RIVER_IC_1 23522	47.91 0.52 0.00	46.11 0.43 0.00	46.35 0.51 0.00	42.57 0.29 0.00	38.47 0.10 2.50	11.43 0.17 36.85	51.96 0.87 14.05	82.25 3.55 68.94	34.94 2.18 70.65	39.60 1.38 11.98	46.50 1.54 0.00	39.64 0.99 8.21	15.86 0.80 26.54	-2.86 1.13 45.85	22.81 1.05 20.11	17.05 0.92 26.76	42.26 1.20 3.35	39.65 0.82 14.64	30.60 1.36 34.18	28.37 1.08 41.02	37.66 0.88 23.73	37.63 1.05 25.68	32.50 0.59 18.87	43.78 0.48 7.96
WADING RIVER_IC_2 23547	47.91 0.52 0.00	46.11 0.43 0.00	46.35 0.51 0.00	42.57 0.29 0.00	38.47 0.10 2.50	11.43 0.17 36.85	51.96 0.87 14.05	82.25 3.55 68.94	34.94 2.18 70.65	39.60 1.38 11.98	46.50 1.54 0.00	39.64 0.99 8.21	15.86 0.80 26.54	-2.86 1.13 45.85	22.81 1.05 20.11	17.05 0.92 26.76	42.26 1.20 3.35	39.65 0.82 14.64	30.60 1.36 34.18	28.37 1.08 41.02	37.66 0.88 23.73	37.63 1.05 25.68	32.50 0.59 18.87	43.78 0.48 7.96
WADING RIVER_IC_3 23601	47.91 0.52 0.00	46.11 0.43 0.00	46.35 0.51 0.00	42.57 0.29 0.00	38.47 0.10 2.50	11.43 0.17 36.85	51.96 0.87 14.05	82.25 3.55 68.94	34.94 2.18 70.65	39.60 1.38 11.98	46.50 1.54 0.00	39.64 0.99 8.21	15.86 0.80 26.54	-2.86 1.13 45.85	22.81 1.05 20.11	17.05 0.92 26.76	42.26 1.20 3.35	39.65 0.82 14.64	30.60 1.36 34.18	28.37 1.08 41.02	37.66 0.88 23.73	37.63 1.05 25.68	32.50 0.59 18.87	43.78 0.48 7.96
WALDENNY_12_KV_BK2 80841	46.73 -0.66 0.00	44.38 -1.30 0.00	44.46 -1.38 0.00	40.94 -1.35 0.00	39.70 -1.17 0.00	46.48 -1.64 0.00	61.45 -3.69 0.00	138.79 -8.85 0.00	96.90 -6.52 0.00	48.26 -1.95 0.00	44.27 -0.70 0.00	46.23 -0.63 0.00	41.09 -0.51 0.00	40.91 -0.95 0.00	40.51 -1.36 0.00	41.01 -1.87 0.00	41.95 -2.47 0.00	50.87 -2.60 0.00	60.66 -2.76 0.00	65.79 -2.52 0.00	58.21 -2.30 0.00	60.25 -2.01 0.00	49.24 -1.53 0.00	50.74 -0.52 0.00
WALDEN__HYDRO 24148	49.20 1.81 0.00	47.44 1.76 0.00	47.62 1.78 0.00	43.80 1.51 0.00	42.30 1.43 0.00	49.96 1.85 0.00	67.84 2.70 0.00	154.92 7.27 0.00	107.69 4.28 0.00	52.12 1.91 0.00	46.67 1.71 0.00	48.79 1.93 0.00	43.25 1.65 0.00	43.79 1.93 0.00	43.87 2.00 0.00	44.87 1.99 0.00	46.44 2.02 0.00	55.70 2.23 0.00	66.40 2.98 0.00	71.20 2.89 0.00	62.73 2.23 0.00	64.83 2.57 0.00	52.90 2.12 0.00	53.25 1.99 0.00
WARRENSBURG____ 23737	48.58 1.19 0.00	46.98 1.30 0.00	47.01 1.17 0.00	43.51 1.23 0.00	42.18 1.31 0.00	49.82 1.70 0.00	67.64 2.50 0.00	152.59 4.95 0.00	106.84 3.43 0.00	51.31 1.11 0.00	45.84 0.88 0.00	47.98 1.13 0.00	42.53 0.94 0.00	42.64 0.78 0.00	43.07 1.20 0.00	44.31 1.43 0.00	45.96 1.55 0.00	55.50 2.03 0.00	65.82 2.39 0.00	70.92 2.61 0.00	62.81 2.31 0.00	64.14 1.88 0.00	52.18 1.41 0.00	52.61 1.35 0.00
WATERSIDE____6 8 9 23538	49.51 2.12 0.00	47.71 2.03 0.00	47.83 2.00 0.00	44.03 1.74 0.00	42.53 1.66 0.00	50.14 2.02 0.00	67.99 2.85 0.00	155.61 7.97 0.00	108.11 4.69 0.00	52.60 2.40 0.00	47.29 2.32 0.00	49.49 2.64 0.00	43.87 2.27 0.00	44.42 2.55 0.00	44.47 2.60 0.00	45.42 2.54 0.00	46.93 2.51 0.00	56.03 2.55 0.00	66.77 3.35 0.00	71.52 3.21 0.00	62.96 2.45 0.00	65.15 2.89 0.00	53.24 2.47 0.00	53.53 2.27 0.00
WATKINRD_115KV_LN8_ILLION 55919	48.25 0.87 0.00	46.61 0.92 0.00	46.77 0.94 0.00	43.17 0.89 0.00	41.77 0.90 0.00	49.14 1.02 0.00	66.73 1.59 0.00	151.30 3.65 0.00	105.56 2.14 0.00	50.90 0.70 0.00	45.49 0.53 0.00	47.31 0.46 0.00	41.76 0.16 0.00	42.06 0.20 0.00	42.11 0.24 0.00	43.45 0.57 0.00	45.12 0.71 0.00	54.44 0.96 0.00	64.87 1.45 0.00	69.90 1.60 0.00	61.92 1.41 0.00	63.70 1.44 0.00	51.86 1.09 0.00	52.26 1.00 0.00

WDELAWARE___HYD 323627	48.54 1.15 0.00	46.81 1.13 0.00	47.02 1.19 0.00	43.25 0.96 0.00	41.73 0.87 0.00	49.29 1.17 0.00	67.19 2.05 0.00	153.40 5.76 0.00	106.62 3.20 0.00	51.34 1.14 0.00	45.87 0.90 0.00	47.99 1.14 0.00	42.36 0.76 0.00	41.86 -0.01 0.00	42.06 0.20 0.00	43.41 0.52 0.00	44.67 0.25 0.00	53.56 0.08 0.00	63.85 0.43 0.00	68.51 0.19 0.00	60.61 0.10 0.00	64.05 1.79 0.00	52.26 1.49 0.00	52.59 1.33 0.00
WEST BABYLON___IC 23714	49.33 1.94 0.00	47.47 1.79 0.00	47.67 1.83 0.00	43.72 1.43 0.00	39.90 1.11 2.08	18.99 1.31 30.43	62.98 2.09 4.25	98.88 5.73 54.50	45.08 3.20 61.54	41.93 1.67 9.95	46.93 1.97 0.00	48.34 2.15 0.66	41.27 1.82 2.15	40.31 2.16 3.71	41.78 2.08 2.17	22.40 1.74 22.22	43.56 1.93 2.79	43.30 1.99 12.16	37.85 2.81 28.38	36.80 2.55 34.06	42.73 1.92 19.71	43.26 2.33 21.32	37.20 2.10 15.67	50.22 2.27 3.30
WEST CANADA___HYD 24049	47.40 0.01 0.00	45.73 0.05 0.00	45.90 0.07 0.00	42.37 0.08 0.00	40.94 0.07 0.00	48.17 0.05 0.00	65.26 0.12 0.00	147.94 0.30 0.00	103.52 0.10 0.00	50.17 -0.04 0.00	44.93 -0.03 0.00	46.81 -0.04 0.00	41.56 -0.04 0.00	41.85 -0.01 0.00	41.91 0.04 0.00	42.95 0.07 0.00	44.51 0.10 0.00	53.55 0.07 0.00	63.54 0.12 0.00	68.40 0.09 0.00	60.59 0.08 0.00	62.33 0.07 0.00	50.82 0.05 0.00	51.31 0.05 0.00
WESTERN_NY_WIND 24143	47.51 0.13 0.00	45.11 -0.57 0.00	45.23 -0.61 0.00	41.65 -0.64 0.00	40.42 -0.44 0.00	47.43 -0.68 0.00	62.99 -2.15 0.00	142.74 -4.91 0.00	99.66 -3.76 0.00	49.34 -0.87 0.00	44.78 -0.19 0.00	46.57 -0.29 0.00	41.54 -0.06 0.00	41.48 -0.39 0.00	41.14 -0.73 0.00	41.72 -1.16 0.00	42.84 -1.57 0.00	52.08 -1.40 0.00	62.16 -1.26 0.00	67.28 -1.02 0.00	59.55 -0.96 0.00	61.47 -0.79 0.00	50.10 -0.67 0.00	51.39 0.13 0.00
WESTOVER___LESR 323668	47.47 0.09 0.00	45.75 0.07 0.00	45.91 0.08 0.00	42.38 0.09 0.00	41.04 0.18 0.00	48.15 0.03 0.00	65.09 -0.05 0.00	147.49 -0.15 0.00	102.60 -0.82 0.00	49.93 -0.27 0.00	44.91 -0.06 0.00	46.81 -0.04 0.00	41.57 -0.03 0.00	41.83 -0.03 0.00	41.74 -0.13 0.00	42.60 -0.28 0.00	44.12 -0.30 0.00	53.12 -0.36 0.00	63.17 -0.26 0.00	68.26 -0.05 0.00	60.33 -0.18 0.00	62.14 -0.12 0.00	50.63 -0.14 0.00	51.34 0.08 0.00
WETHRSFD_WT_PWR 323626	46.34 -1.05 0.00	44.32 -1.36 0.00	44.44 -1.39 0.00	40.94 -1.35 0.00	39.64 -1.23 0.00	46.47 -1.65 0.00	61.75 -3.40 0.00	139.55 -8.09 0.00	97.17 -6.25 0.00	47.94 -2.27 0.00	43.55 -1.42 0.00	45.44 -1.42 0.00	40.23 -1.37 0.00	39.93 -1.90 0.03	39.71 -1.93 0.22	40.35 -2.21 0.31	41.50 -2.62 0.30	50.42 -2.51 0.55	60.25 -2.61 0.56	65.79 -2.29 0.23	58.23 -2.10 0.18	60.10 -1.85 0.30	48.67 -1.40 0.70	50.25 -0.51 0.50
WHAVSTOR_138KV_BK127 55557	49.08 1.69 0.00	47.30 1.62 0.00	47.45 1.61 0.00	43.63 1.35 0.00	42.17 1.31 0.00	49.83 1.72 0.00	67.91 2.77 0.00	155.26 7.62 0.00	107.83 4.41 0.00	52.27 2.07 0.00	46.92 1.96 0.00	49.10 2.25 0.00	43.48 1.88 0.00	44.05 2.19 0.00	44.01 2.15 0.00	44.88 2.00 0.00	46.42 2.00 0.00	55.60 2.13 0.00	66.31 2.89 0.00	71.04 2.73 0.00	62.55 2.04 0.00	64.64 2.38 0.00	52.74 1.98 0.00	53.11 1.85 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	49.08 1.69 0.00	47.30 1.62 0.00	47.45 1.61 0.00	43.63 1.35 0.00	42.17 1.31 0.00	49.83 1.72 0.00	67.91 2.77 0.00	155.26 7.62 0.00	107.83 4.41 0.00	52.27 2.07 0.00	46.92 1.96 0.00	49.10 2.25 0.00	43.48 1.88 0.00	44.05 2.19 0.00	44.01 2.15 0.00	44.88 2.00 0.00	46.42 2.00 0.00	55.60 2.13 0.00	66.31 2.89 0.00	71.04 2.73 0.00	62.55 2.04 0.00	64.64 2.38 0.00	52.74 1.98 0.00	53.11 1.85 0.00
WHITEHAL_115KV_TB1 80871	49.20 1.81 0.00	47.71 2.03 0.00	47.66 1.82 0.00	44.22 1.93 0.00	43.08 2.21 0.00	51.19 3.08 0.00	69.95 4.81 0.00	156.47 8.82 0.00	109.73 6.32 0.00	52.25 2.05 0.00	46.69 1.73 0.00	49.27 2.42 0.00	43.98 2.39 0.00	43.82 1.96 0.00	44.46 2.59 0.00	45.77 2.89 0.00	47.55 3.13 0.00	57.52 4.05 0.00	68.03 4.60 0.00	73.74 5.43 0.00	65.25 4.74 0.00	65.89 3.63 0.00	53.12 2.35 0.00	53.65 2.39 0.00
WHITEPLN_13_KV_LOAD 356215	49.58 2.20 0.00	47.78 2.10 0.00	47.93 2.09 0.00	44.07 1.78 0.00	42.57 1.71 0.00	50.30 2.19 0.00	68.33 3.19 0.00	156.37 8.73 0.00	108.66 5.25 0.00	52.74 2.53 0.00	47.32 2.36 0.00	49.52 2.66 0.00	43.84 2.24 0.00	44.39 2.53 0.00	44.46 2.60 0.00	45.44 2.56 0.00	47.02 2.60 0.00	56.30 2.82 0.00	67.11 3.69 0.00	71.89 3.58 0.00	63.29 2.78 0.00	65.36 3.11 0.00	53.34 2.57 0.00	53.66 2.40 0.00
WM_FLOYD_69_KV_BK2 356380	48.23 0.84 0.00	46.41 0.73 0.00	46.64 0.80 0.00	42.84 0.55 0.00	38.72 0.35 2.49	11.91 0.49 36.70	52.87 1.16 13.43	83.57 4.20 68.27	35.52 2.50 70.39	39.69 1.43 11.94	46.51 1.55 0.00	39.93 1.17 8.09	16.41 0.99 26.18	-2.04 1.33 45.23	23.27 1.25 19.84	17.32 1.10 26.66	42.43 1.36 3.34	39.98 1.10 14.59	31.18 1.82 34.05	29.00 1.55 40.86	38.02 1.15 23.64	38.04 1.37 25.58	32.89 0.92 18.79	44.23 0.86 7.88
WOODARD___115KV_TB2 355635	46.52 -0.86 0.00	44.79 -0.89 0.00	44.94 -0.90 0.00	41.50 -0.79 0.00	40.15 -0.72 0.00	47.20 -0.91 0.00	63.97 -1.18 0.00	144.97 -2.67 0.00	101.35 -2.07 0.00	49.27 -0.94 0.00	44.14 -0.82 0.00	46.00 -0.85 0.00	40.90 -0.70 0.00	41.16 -0.70 0.00	41.15 -0.72 0.00	42.09 -0.79 0.00	43.62 -0.80 0.00	52.56 -0.92 0.00	62.34 -1.08 0.00	67.17 -1.14 0.00	59.46 -1.05 0.00	61.09 -1.17 0.00	49.79 -0.98 0.00	50.29 -0.97 0.00
WOODMERE_69_KV_BK1 55827	49.56 2.17 0.00	47.70 2.02 0.00	47.86 2.02 0.00	43.93 1.64 0.00	42.29 1.43 0.00	49.71 1.72 0.13	67.69 2.52 -0.02	149.92 6.94 4.67	106.87 3.93 0.49	52.28 2.08 0.00	47.14 2.18 0.00	49.29 2.43 0.00	43.71 2.11 0.00	44.28 2.42 0.00	44.23 2.36 0.00	45.10 2.22 0.00	46.74 2.32 0.00	56.00 2.52 0.00	66.88 3.46 0.00	71.50 3.19 0.00	62.99 2.48 0.00	65.08 2.82 0.00	53.15 2.38 0.00	53.74 2.46 -0.03
YORK___WARBASSE 23770	49.69 2.31 0.00	47.87 2.19 0.00	47.98 2.14 0.00	44.14 1.85 0.00	42.65 1.78 0.00	50.30 2.19 0.00	68.27 3.13 0.00	156.27 8.63 0.00	108.56 5.14 0.00	52.80 2.60 0.00	47.43 2.47 0.00	49.61 2.76 0.00	43.93 2.34 0.00	44.49 2.63 0.00	44.55 2.68 0.00	45.51 2.63 0.00	47.01 2.59 0.00	56.18 2.70 0.00	67.04 3.62 0.00	71.80 3.49 0.00	63.21 2.70 0.00	65.38 3.12 0.00	53.39 2.62 0.00	53.68 2.43 0.00