

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

11/06/2025

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	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	49.88	40.29	38.45	35.46	38.81	36.73	53.40	57.77	46.32	46.23	46.41	41.92	39.52	47.00	44.54	58.91	57.89	62.80	69.88	84.06	56.24	56.62	46.71	45.32
24138	2.56	2.16	1.95	1.77	1.98	2.25	3.01	3.14	2.61	2.90	3.25	3.12	2.77	3.38	3.06	3.32	3.21	3.20	3.19	3.80	2.74	2.74	2.37	2.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.08	-0.01	-0.45	-0.82	-0.19	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	49.86	40.28	38.44	35.46	38.81	36.72	53.40	57.79	46.32	46.87	46.34	42.15	39.98	47.07	44.50	58.89	57.91	62.87	70.00	84.22	56.34	56.69	46.74	45.35
24260	2.54	2.15	1.94	1.77	1.99	2.25	3.00	3.16	2.61	2.86	3.18	3.06	2.72	3.33	3.01	3.30	3.24	3.27	3.31	3.96	2.84	2.82	2.40	2.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	49.86	40.28	38.44	35.46	38.81	36.72	53.40	57.79	46.32	46.87	46.34	42.15	39.98	47.07	44.50	58.89	57.91	62.87	70.00	84.22	56.34	56.69	46.74	45.35
24261	2.54	2.15	1.94	1.77	1.99	2.25	3.00	3.16	2.61	2.86	3.18	3.06	2.72	3.33	3.01	3.30	3.24	3.27	3.31	3.96	2.84	2.82	2.40	2.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.76	-0.01	-0.73	-1.33	-0.31	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	49.30	39.78	37.97	35.15	38.31	36.25	52.74	56.97	45.07	43.15	44.21	39.81	37.16	45.19	43.13	57.83	57.57	62.23	69.66	84.23	56.45	56.07	46.01	45.01
24011	1.98	1.65	1.47	1.45	1.48	1.77	2.35	2.34	1.36	0.90	1.06	1.46	1.23	1.76	1.66	2.24	2.89	2.63	2.97	3.97	2.96	2.20	1.67	1.72
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	49.58	40.00	38.13	35.32	38.46	36.45	52.98	57.22	45.23	43.27	44.37	40.03	37.36	45.51	43.39	58.27	58.13	62.68	70.18	84.98	57.00	56.47	46.29	45.36
23798	2.26	1.87	1.62	1.63	1.64	1.97	2.59	2.59	1.51	1.02	1.21	1.68	1.43	2.08	1.92	2.68	3.45	3.08	3.48	4.71	3.50	2.59	1.95	2.06
	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
ADK S GLENS___FALLS	49.30	39.78	37.97	35.15	38.31	36.25	52.74	56.97	45.07	43.15	44.21	39.81	37.16	45.19	43.13	57.83	57.57	62.23	69.66	84.23	56.45	56.07	46.01	45.01
24028	1.98	1.65	1.47	1.45	1.48	1.77	2.35	2.34	1.36	0.90	1.06	1.46	1.23	1.76	1.66	2.24	2.89	2.63	2.97	3.97	2.96	2.20	1.67	1.72
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	48.91	39.48	37.71	34.94	38.02	35.94	52.18	56.32	44.49	42.60	43.44	39.06	36.57	44.35	42.35	56.51	56.22	60.70	67.95	82.37	55.43	55.10	45.04	44.13
23527	1.59	1.35	1.21	1.25	1.19	1.46	1.79	1.68	0.77	0.35	0.29	0.69	0.63	0.92	0.88	0.92	1.54	1.10	1.26	2.11	1.94	1.22	0.70	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
AIR_PRODUCTS___DRP	47.73	38.58	36.91	34.16	37.21	35.01	50.94	55.06	43.83	42.28	43.21	38.76	36.27	43.85	41.87	55.83	55.19	59.80	66.86	80.68	53.81	53.58	43.99	42.92
24190	0.41	0.45	0.41	0.47	0.39	0.53	0.55	0.43	0.12	0.03	0.06	0.40	0.34	0.42	0.40	0.24	0.52	0.20	0.17	0.41	0.31	-0.30	-0.35	-0.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	48.40	38.89	37.28	34.35	37.55	34.78	51.09	55.52	44.53	43.00	43.77	38.69	36.32	43.81	42.01	56.54	55.11	60.38	67.63	81.39	54.07	54.96	45.39	44.43
355683	1.08	0.76	0.77	0.66	0.73	0.31	0.70	0.89	0.81	0.76	0.61	0.34	0.39	0.38	0.54	0.95	0.43	0.78	0.94	1.12	0.58	1.09	1.06	1.13
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	48.58	39.19	37.53	34.71	37.88	35.62	51.88	56.08	44.56	42.80	43.80	39.26	36.74	44.44	42.43	56.76	56.24	61.01	68.21	82.27	54.94	54.87	45.04	43.96
323833	1.26	1.06	1.03	1.02	1.05	1.15	1.50	1.45	0.84	0.55	0.65	0.90	0.81	1.01	0.96	1.17	1.56	1.40	1.52	2.01	1.44	0.99	0.71	0.66
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	48.55	39.17	37.53	34.71	37.86	35.61	51.88	56.06	44.54	42.79	43.80	39.24	36.74	44.43	42.40	56.76	56.22	60.98	68.18	82.26	54.92	54.86	45.03	43.95
323834	1.23	1.04	1.02	1.02	1.04	1.14	1.49	1.43	0.83	0.54	0.65	0.89	0.81	1.00	0.93	1.17	1.54	1.38	1.49	2.00	1.42	0.98	0.69	0.65
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	47.73	38.58	36.91	34.16	37.21	35.01	50.94	55.06	43.83	42.28	43.21	38.76	36.27	43.85	41.87	55.83	55.19	59.80	66.86	80.68	53.81	53.58	43.99	42.92
23571	0.41	0.45	0.41	0.47	0.39	0.53	0.55	0.43	0.12	0.03	0.06	0.40	0.34	0.42	0.40	0.24	0.52	0.20	0.17	0.41	0.31	-0.30	-0.35	-0.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	47.73 0.41 0.00	38.58 0.45 0.00	36.91 0.41 0.00	34.16 0.47 0.00	37.21 0.39 0.00	35.01 0.53 0.00	50.94 0.55 0.00	55.06 0.43 0.00	43.83 0.12 0.00	42.28 0.03 0.00	43.21 0.06 0.00	38.76 0.40 0.00	36.27 0.34 0.00	43.85 0.42 0.00	41.87 0.40 0.00	55.83 0.24 0.00	55.19 0.52 0.00	59.80 0.20 0.00	66.86 0.17 0.00	80.68 0.41 0.00	53.81 0.31 0.00	53.58 -0.30 0.00	43.99 -0.35 0.00	42.92 -0.39 0.00
ALBANY___3 23573	47.73 0.41 0.00	38.58 0.45 0.00	36.91 0.41 0.00	34.16 0.47 0.00	37.21 0.39 0.00	35.01 0.53 0.00	50.94 0.55 0.00	55.06 0.43 0.00	43.83 0.12 0.00	42.28 0.03 0.00	43.21 0.06 0.00	38.76 0.40 0.00	36.27 0.34 0.00	43.85 0.42 0.00	41.87 0.40 0.00	55.83 0.24 0.00	55.19 0.52 0.00	59.80 0.20 0.00	66.86 0.17 0.00	80.68 0.41 0.00	53.81 0.31 0.00	53.58 -0.30 0.00	43.99 -0.35 0.00	42.92 -0.39 0.00
ALBANY___4 23574	47.73 0.41 0.00	38.58 0.45 0.00	36.91 0.41 0.00	34.16 0.47 0.00	37.21 0.39 0.00	35.01 0.53 0.00	50.94 0.55 0.00	55.06 0.43 0.00	43.83 0.12 0.00	42.28 0.03 0.00	43.21 0.06 0.00	38.76 0.40 0.00	36.27 0.34 0.00	43.85 0.42 0.00	41.87 0.40 0.00	55.83 0.24 0.00	55.19 0.52 0.00	59.80 0.20 0.00	66.86 0.17 0.00	80.68 0.41 0.00	53.81 0.31 0.00	53.58 -0.30 0.00	43.99 -0.35 0.00	42.92 -0.39 0.00
ALBANY___LFGE 323615	48.12 0.80 0.00	38.90 0.77 0.00	37.21 0.71 0.00	34.44 0.74 0.00	37.51 0.69 0.00	35.31 0.84 0.00	51.41 1.02 0.00	55.56 0.93 0.00	44.21 0.50 0.00	42.62 0.37 0.00	43.57 0.41 0.00	39.09 0.73 0.00	36.59 0.66 0.00	44.26 0.84 0.00	42.24 0.76 0.00	56.39 0.80 0.00	55.77 1.10 0.00	60.42 0.82 0.00	67.55 0.86 0.00	81.48 1.21 0.00	54.37 0.87 0.00	54.13 0.25 0.00	44.41 0.07 0.00	43.33 0.03 0.00
ALCOA_PA_115KV_PL-6C 55860	48.82 1.50 0.00	39.21 1.08 0.00	37.59 1.09 0.00	34.63 0.93 0.00	37.86 1.03 0.00	35.05 0.57 0.00	51.51 1.12 0.00	55.98 1.35 0.00	44.91 1.20 0.00	43.34 1.09 0.00	44.10 0.94 0.00	38.96 0.60 0.00	36.56 0.62 0.00	44.10 0.67 0.00	42.30 0.83 0.00	56.92 1.33 0.00	55.48 0.80 0.00	60.79 1.19 0.00	68.10 1.41 0.00	81.98 1.71 0.00	54.48 0.99 0.00	55.41 1.53 0.00	45.79 1.45 0.00	44.82 1.52 0.00
ALCOA_RYNLDS___DRP 24188	48.82 1.50 0.00	39.21 1.08 0.00	37.59 1.09 0.00	34.63 0.93 0.00	37.86 1.03 0.00	35.05 0.57 0.00	51.51 1.12 0.00	55.98 1.35 0.00	44.91 1.20 0.00	43.34 1.09 0.00	44.10 0.94 0.00	38.96 0.60 0.00	36.56 0.62 0.00	44.10 0.67 0.00	42.30 0.83 0.00	56.92 1.33 0.00	55.48 0.80 0.00	60.79 1.19 0.00	68.10 1.41 0.00	81.98 1.71 0.00	54.48 0.99 0.00	55.41 1.53 0.00	45.79 1.45 0.00	44.82 1.52 0.00
ALCOA___DSASP 323711	48.82 1.50 0.00	39.21 1.08 0.00	37.59 1.09 0.00	34.63 0.93 0.00	37.86 1.03 0.00	35.05 0.57 0.00	51.51 1.12 0.00	55.98 1.35 0.00	44.91 1.20 0.00	43.34 1.09 0.00	44.10 0.94 0.00	38.96 0.60 0.00	36.56 0.62 0.00	44.10 0.67 0.00	42.30 0.83 0.00	56.92 1.33 0.00	55.48 0.80 0.00	60.79 1.19 0.00	68.10 1.41 0.00	81.98 1.71 0.00	54.48 0.99 0.00	55.41 1.53 0.00	45.79 1.45 0.00	44.82 1.52 0.00
ALLEGHENY___COGEN 23514	46.23 -1.09 0.00	36.96 -1.17 0.00	35.40 -1.10 0.00	32.53 -1.16 0.00	35.96 -0.86 0.00	33.58 -0.89 0.00	49.57 -0.82 0.00	54.46 -0.17 0.00	43.82 0.11 0.00	41.40 -0.85 0.00	42.49 -0.66 0.00	37.17 -1.19 0.00	34.57 -1.37 0.00	41.78 -1.65 0.00	39.55 -1.92 0.00	53.65 -1.94 0.00	53.82 -0.85 0.00	59.52 -0.08 0.00	67.09 0.40 0.00	79.40 -0.86 0.00	52.58 -0.92 0.00	52.27 -1.61 0.00	43.65 -0.69 0.00	43.36 0.06 0.00
ALTAMONT_115KV_TB 2 55880	48.01 0.69 0.00	38.76 0.63 0.00	37.07 0.57 0.00	34.28 0.58 0.00	37.40 0.57 0.00	35.17 0.70 0.00	51.21 0.82 0.00	55.39 0.76 0.00	44.15 0.44 0.00	42.64 0.39 0.00	43.59 0.44 0.00	38.97 0.62 0.00	36.50 0.56 0.00	44.15 0.73 0.00	42.10 0.63 0.00	56.20 0.61 0.00	55.49 0.82 0.00	60.17 0.57 0.00	67.30 0.61 0.00	81.16 0.90 0.00	54.23 0.73 0.00	54.28 0.40 0.00	44.59 0.25 0.00	43.50 0.20 0.00
ALTONA_WT_PWR 323606	47.87 0.55 0.00	38.34 0.21 0.00	36.77 0.27 0.00	33.99 0.29 0.00	37.13 0.30 0.00	34.17 -0.30 0.00	50.22 -0.17 0.00	54.47 -0.17 0.00	43.87 0.15 0.00	42.22 -0.03 0.00	42.99 -0.16 0.00	38.00 -0.36 0.00	35.66 -0.28 0.00	42.81 -0.61 0.00	40.96 -0.51 0.00	55.15 -0.44 0.00	53.61 -1.07 0.00	58.89 -0.72 0.00	66.45 -0.25 0.00	80.53 0.26 0.00	53.40 -0.09 0.00	54.43 0.55 0.00	45.25 0.91 0.00	44.35 1.05 0.00
AMERICAN_REF_FUEL 24010	43.54 -3.78 0.00	34.82 -3.31 0.00	33.35 -3.15 0.00	30.58 -3.12 0.00	33.91 -2.91 0.00	31.00 -3.48 0.00	45.04 -5.35 0.00	49.65 -4.98 0.00	40.65 -3.06 0.00	39.80 -2.45 0.00	40.21 -2.95 0.00	35.47 -2.89 0.00	32.82 -3.11 0.00	39.75 -3.68 0.00	37.81 -3.66 0.00	51.46 -4.13 0.00	51.34 -3.33 0.00	56.03 -3.57 0.00	63.10 -3.59 0.00	74.39 -5.87 0.00	49.22 -4.28 0.00	49.04 -4.84 0.00	40.19 -4.15 0.00	40.04 -3.26 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	42.93 -4.39 0.00	34.40 -3.73 0.00	33.03 -3.48 0.00	30.35 -3.34 0.00	33.78 -3.04 0.00	31.32 -3.15 0.00	46.05 -4.34 0.00	50.93 -3.70 0.00	41.56 -2.15 0.00	40.60 -1.65 0.00	41.32 -1.83 0.00	36.49 -1.87 0.00	34.01 -1.92 0.00	41.17 -2.25 0.00	39.05 -2.42 0.00	52.93 -2.66 0.00	53.18 -1.49 0.00	58.24 -1.36 0.00	65.35 -1.34 0.00	76.94 -3.33 0.00	50.94 -2.55 0.00	50.94 -2.94 0.00	41.58 -2.75 0.00	41.09 -2.21 0.00
ARTHUR KILL_GT_1 23520	49.98 2.66 0.00	40.44 2.31 0.00	38.65 2.15 0.00	35.65 1.95 0.00	39.03 2.20 0.00	36.90 2.43 0.00	53.48 3.09 0.00	57.75 3.12 0.00	46.39 2.68 0.00	46.85 2.84 -1.76	46.24 3.08 -0.01	41.88 2.79 -0.73	39.63 2.37 -1.33	46.93 3.19 -0.31	44.43 2.94 -0.02	58.58 2.99 0.00	57.58 2.91 0.00	62.53 2.93 0.00	69.63 2.94 0.00	84.03 3.76 0.00	56.54 3.04 0.00	56.75 2.88 0.00	46.91 2.57 0.00	45.50 2.20 0.00
ARTHUR_KILL_2 23512	49.87 2.55 0.00	40.34 2.22 0.00	38.56 2.06 0.00	35.56 1.87 0.00	38.94 2.12 0.00	36.82 2.34 0.00	53.36 2.96 0.00	57.61 2.98 0.00	46.29 2.57 0.00	46.75 2.74 -1.76	46.13 2.97 -0.01	41.78 2.69 -0.73	39.54 2.28 -1.33	46.83 3.09 -0.31	44.32 2.83 -0.02	58.42 2.83 0.00	57.43 2.75 0.00	62.35 2.75 0.00	69.43 2.73 0.00	83.78 3.52 0.00	56.37 2.87 0.00	56.61 2.73 0.00	46.80 2.46 0.00	45.38 2.08 0.00
ARTHUR_KILL_3 23513	49.56 2.24 0.00	40.05 1.92 0.00	38.23 1.73 0.00	35.25 1.56 0.00	38.58 1.76 0.00	36.50 2.03 0.00	53.04 2.65 0.00	57.37 2.74 0.00	45.95 2.24 0.00	46.17 2.49 -1.43	45.98 2.82 -0.01	41.68 2.73 -0.59	39.44 2.43 -1.08	46.63 2.95 -0.25	44.12 2.64 -0.01	58.29 2.70 0.00	57.32 2.65 0.00	62.23 2.63 0.00	69.31 2.62 0.00	83.40 3.13 0.00	55.83 2.33 0.00	56.21 2.33 0.00	46.35 2.02 0.00	44.98 1.68 0.00

ARTHUR_KILL_COGEN 323718	49.98 2.66 0.00	40.44 2.31 0.00	38.65 2.15 0.00	35.65 1.95 0.00	39.03 2.20 0.00	36.90 2.43 0.00	53.47 3.08 0.00	57.75 3.12 0.00	46.39 2.68 0.00	46.85 2.84 -1.76	46.24 3.08 -0.01	41.89 2.80 -0.73	39.63 2.37 -1.33	46.93 3.19 -0.31	44.43 2.94 -0.02	58.55 2.96 0.00	57.59 2.92 0.00	62.53 2.93 0.00	69.63 2.94 0.00	84.03 3.76 0.00	56.53 3.03 0.00	56.77 2.89 0.00	46.92 2.58 0.00	45.50 2.20 0.00
ASHOKAN____ 23654	48.76 1.44 0.00	39.36 1.23 0.00	37.62 1.11 0.00	34.77 1.07 0.00	37.97 1.15 0.00	35.86 1.38 0.00	52.35 1.96 0.00	56.77 2.14 0.00	45.27 1.56 0.00	43.37 1.12 0.00	44.37 1.22 0.00	40.01 1.65 0.00	37.44 1.51 0.00	45.36 1.93 0.00	43.22 1.74 0.00	57.56 1.97 0.00	57.08 2.41 0.00	62.15 2.55 0.00	69.51 2.82 0.00	83.77 3.51 0.00	55.90 2.40 0.00	55.89 2.01 0.00	45.84 1.50 0.00	44.51 1.22 0.00
ASTORIA_EAST_ENERGY_CC1 323581	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.84 0.00	36.58 2.11 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.46 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.69 2.60 -0.73	39.50 2.24 -1.33	46.64 2.90 -0.31	44.17 2.68 -0.02	58.54 2.95 0.00	57.53 2.85 0.00	62.43 2.84 0.00	69.50 2.80 0.00	83.71 3.44 0.00	56.11 2.62 0.00	56.46 2.59 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_EAST_ENERGY_CC2 323582	49.64 2.32 0.00	40.12 1.98 0.00	38.29 1.79 0.00	35.32 1.62 0.00	38.65 1.83 0.00	36.56 2.08 0.00	53.08 2.69 0.00	57.55 2.92 0.00	46.15 2.44 0.00	46.58 2.57 -1.76	46.03 2.87 -0.01	41.68 2.59 -0.73	39.48 2.22 -1.33	46.61 2.87 -0.31	44.15 2.66 -0.02	58.51 2.92 0.00	57.49 2.82 0.00	62.40 2.81 0.00	69.45 2.76 0.00	83.66 3.39 0.00	56.09 2.59 0.00	56.44 2.56 0.00	46.58 2.24 0.00	45.13 1.83 0.00
ASTORIA_GT2_1 24094	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT2_2 24095	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT2_3 24096	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT2_4 24097	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT3_1 24098	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT3_2 24099	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT3_3 24100	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT3_4 24101	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT4_1 24102	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT4_2 24103	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT4_3 24104	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00

ASTORIA_GT4_4 24105	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.85 0.00	36.58 2.10 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.47 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.71 2.62 -0.73	39.55 2.29 -1.33	46.64 2.90 -0.31	44.18 2.69 -0.02	58.55 2.96 0.00	57.52 2.84 0.00	62.43 2.83 0.00	69.48 2.79 0.00	83.71 3.44 0.00	56.12 2.62 0.00	56.44 2.57 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA_GT_1 23523	49.74 2.42 0.00	40.19 2.06 0.00	38.36 1.86 0.00	35.38 1.68 0.00	38.72 1.90 0.00	36.62 2.15 0.00	53.19 2.80 0.00	57.67 3.04 0.00	46.27 2.56 0.00	46.67 2.66 -1.76	46.14 2.97 -0.01	41.79 2.70 -0.73	39.62 2.36 -1.33	46.73 2.99 -0.31	44.27 2.78 -0.02	58.67 3.08 0.00	57.64 2.97 0.00	62.58 2.98 0.00	69.63 2.93 0.00	83.87 3.61 0.00	56.22 2.73 0.00	56.55 2.67 0.00	46.67 2.33 0.00	45.23 1.93 0.00
ASTORIA_GT_10 24110	49.63 2.32 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.09 0.00	53.05 2.66 0.00	57.42 2.79 0.00	46.07 2.35 0.00	46.60 2.59 -1.76	46.06 2.90 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.44 2.85 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.34 2.65 0.00	83.50 3.23 0.00	55.92 2.42 0.00	56.30 2.42 0.00	46.50 2.16 0.00	45.10 1.80 0.00
ASTORIA_GT_11 24225	49.63 2.32 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.09 0.00	53.05 2.66 0.00	57.42 2.79 0.00	46.07 2.35 0.00	46.60 2.59 -1.76	46.06 2.90 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.44 2.85 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.34 2.65 0.00	83.50 3.23 0.00	55.92 2.42 0.00	56.30 2.42 0.00	46.50 2.16 0.00	45.10 1.80 0.00
ASTORIA_GT_12 24226	49.63 2.32 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.09 0.00	53.05 2.66 0.00	57.42 2.79 0.00	46.07 2.35 0.00	46.60 2.59 -1.76	46.06 2.90 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.44 2.85 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.34 2.65 0.00	83.50 3.23 0.00	55.92 2.42 0.00	56.30 2.42 0.00	46.50 2.16 0.00	45.10 1.80 0.00
ASTORIA_GT_13 24227	49.63 2.32 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.09 0.00	53.05 2.66 0.00	57.42 2.79 0.00	46.07 2.35 0.00	46.60 2.59 -1.76	46.06 2.90 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.44 2.85 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.34 2.65 0.00	83.50 3.23 0.00	55.92 2.42 0.00	56.30 2.42 0.00	46.50 2.16 0.00	45.10 1.80 0.00
ASTORIA_GT_5 24106	49.74 2.42 0.00	40.19 2.06 0.00	38.36 1.86 0.00	35.38 1.68 0.00	38.72 1.90 0.00	36.62 2.15 0.00	53.19 2.80 0.00	57.67 3.04 0.00	46.27 2.56 0.00	46.67 2.66 -1.76	46.14 2.97 -0.01	41.79 2.70 -0.73	39.62 2.36 -1.33	46.73 2.99 -0.31	44.27 2.78 -0.02	58.67 3.08 0.00	57.64 2.97 0.00	62.58 2.98 0.00	69.63 2.93 0.00	83.87 3.61 0.00	56.22 2.73 0.00	56.55 2.67 0.00	46.67 2.33 0.00	45.23 1.93 0.00
ASTORIA_GT_7 24107	49.74 2.42 0.00	40.19 2.06 0.00	38.36 1.86 0.00	35.38 1.68 0.00	38.72 1.90 0.00	36.62 2.15 0.00	53.19 2.80 0.00	57.67 3.04 0.00	46.27 2.56 0.00	46.67 2.66 -1.76	46.14 2.97 -0.01	41.79 2.70 -0.73	39.62 2.36 -1.33	46.73 2.99 -0.31	44.27 2.78 -0.02	58.67 3.08 0.00	57.64 2.97 0.00	62.58 2.98 0.00	69.63 2.93 0.00	83.87 3.61 0.00	56.22 2.73 0.00	56.55 2.67 0.00	46.67 2.33 0.00	45.23 1.93 0.00
ASTORIA_GT_8 24108	49.74 2.42 0.00	40.19 2.06 0.00	38.36 1.86 0.00	35.38 1.68 0.00	38.72 1.90 0.00	36.62 2.15 0.00	53.19 2.80 0.00	57.67 3.04 0.00	46.27 2.56 0.00	46.67 2.66 -1.76	46.14 2.97 -0.01	41.79 2.70 -0.73	39.62 2.36 -1.33	46.73 2.99 -0.31	44.27 2.78 -0.02	58.67 3.08 0.00	57.64 2.97 0.00	62.58 2.98 0.00	69.63 2.93 0.00	83.87 3.61 0.00	56.22 2.73 0.00	56.55 2.67 0.00	46.67 2.33 0.00	45.23 1.93 0.00
ASTORIA___2 24149	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.64 0.00	38.67 1.84 0.00	36.58 2.11 0.00	53.10 2.71 0.00	57.57 2.94 0.00	46.18 2.46 0.00	46.59 2.58 -1.76	46.04 2.88 -0.01	41.69 2.60 -0.73	39.50 2.24 -1.33	46.64 2.90 -0.31	44.17 2.68 -0.02	58.54 2.95 0.00	57.53 2.85 0.00	62.43 2.84 0.00	69.50 2.80 0.00	83.71 3.44 0.00	56.11 2.62 0.00	56.46 2.59 0.00	46.59 2.25 0.00	45.16 1.86 0.00
ASTORIA___3 23516	49.63 2.31 0.00	40.13 1.99 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.10 0.00	53.05 2.66 0.00	57.41 2.79 0.00	46.07 2.35 0.00	46.60 2.59 -1.76	46.06 2.90 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.44 2.85 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.35 2.65 0.00	83.50 3.23 0.00	55.92 2.42 0.00	56.32 2.44 0.00	46.49 2.16 0.00	45.10 1.80 0.00
ASTORIA___4 23517	49.63 2.32 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.09 0.00	53.05 2.66 0.00	57.42 2.79 0.00	46.07 2.35 0.00	46.60 2.59 -1.76	46.06 2.90 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.44 2.85 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.34 2.65 0.00	83.50 3.23 0.00	55.92 2.42 0.00	56.30 2.42 0.00	46.50 2.16 0.00	45.10 1.80 0.00
ASTORIA___5 23518	49.63 2.31 0.00	40.13 1.99 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.10 0.00	53.05 2.66 0.00	57.41 2.79 0.00	46.06 2.35 0.00	46.60 2.59 -1.76	46.05 2.89 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.43 2.84 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.34 2.65 0.00	83.49 3.23 0.00	55.92 2.42 0.00	56.32 2.44 0.00	46.49 2.16 0.00	45.10 1.80 0.00
AST_ENERGY_2_CC3 323677	49.63 2.31 0.00	40.10 1.96 0.00	38.27 1.77 0.00	35.30 1.60 0.00	38.63 1.80 0.00	36.54 2.07 0.00	53.13 2.74 0.00	57.47 2.84 0.00	46.05 2.33 0.00	46.20 2.59 -1.37	46.08 2.92 -0.01	41.74 2.82 -0.57	39.47 2.50 -1.03	46.73 3.06 -0.24	44.24 2.75 -0.01	58.51 2.92 0.00	57.53 2.85 0.00	62.45 2.85 0.00	69.53 2.84 0.00	83.68 3.41 0.00	55.98 2.49 0.00	56.39 2.51 0.00	46.49 2.15 0.00	45.11 1.81 0.00
AST_ENERGY_2_CC4 323678	49.63 2.31 0.00	40.10 1.96 0.00	38.27 1.77 0.00	35.30 1.60 0.00	38.63 1.80 0.00	36.54 2.07 0.00	53.13 2.74 0.00	57.47 2.84 0.00	46.05 2.33 0.00	46.20 2.59 -1.37	46.08 2.92 -0.01	41.74 2.82 -0.57	39.47 2.50 -1.03	46.73 3.06 -0.24	44.24 2.75 -0.01	58.51 2.92 0.00	57.53 2.85 0.00	62.45 2.85 0.00	69.53 2.84 0.00	83.68 3.41 0.00	55.98 2.49 0.00	56.39 2.51 0.00	46.49 2.15 0.00	45.11 1.81 0.00

ATHENS_STG_1 23668	48.34 1.02 0.00	39.04 0.91 0.00	37.31 0.80 0.00	34.47 0.78 0.00	37.65 0.83 0.00	35.44 0.97 0.00	51.57 1.18 0.00	55.81 1.17 0.00	44.57 0.86 0.00	43.17 0.92 0.00	44.23 1.08 0.00	39.53 1.17 0.00	36.95 1.01 0.00	44.71 1.28 0.00	42.60 1.13 0.00	56.74 1.16 0.00	55.92 1.25 0.00	60.64 1.03 0.00	67.75 1.06 0.00	81.71 1.44 0.00	54.61 1.12 0.00	54.85 0.97 0.00	45.11 0.77 0.00	43.94 0.64 0.00
ATHENS_STG_2 23670	48.34 1.02 0.00	39.04 0.91 0.00	37.31 0.80 0.00	34.47 0.78 0.00	37.65 0.83 0.00	35.44 0.97 0.00	51.57 1.18 0.00	55.81 1.17 0.00	44.57 0.86 0.00	43.17 0.92 0.00	44.23 1.08 0.00	39.53 1.17 0.00	36.95 1.01 0.00	44.71 1.28 0.00	42.60 1.13 0.00	56.74 1.16 0.00	55.92 1.25 0.00	60.64 1.03 0.00	67.75 1.06 0.00	81.71 1.44 0.00	54.61 1.12 0.00	54.85 0.97 0.00	45.11 0.77 0.00	43.94 0.64 0.00
ATHENS_STG_3 23677	48.34 1.02 0.00	39.04 0.91 0.00	37.31 0.80 0.00	34.47 0.78 0.00	37.65 0.83 0.00	35.44 0.97 0.00	51.57 1.18 0.00	55.81 1.17 0.00	44.57 0.86 0.00	43.17 0.92 0.00	44.23 1.08 0.00	39.53 1.17 0.00	36.95 1.01 0.00	44.71 1.28 0.00	42.60 1.13 0.00	56.74 1.16 0.00	55.92 1.25 0.00	60.64 1.03 0.00	67.75 1.06 0.00	81.71 1.44 0.00	54.61 1.12 0.00	54.85 0.97 0.00	45.11 0.77 0.00	43.94 0.64 0.00
AUBURN___LFGE 323710	46.47 -0.84 0.00	37.44 -0.69 0.00	35.96 -0.54 0.00	33.19 -0.51 0.00	36.38 -0.45 0.00	34.13 -0.35 0.00	49.99 -0.41 0.00	54.10 -0.53 0.00	43.46 -0.26 0.00	41.88 -0.37 0.00	42.89 -0.26 0.00	38.10 -0.26 0.00	35.50 -0.43 0.00	42.76 -0.66 0.00	40.87 -0.60 0.00	55.16 -0.42 0.00	54.72 0.05 0.00	59.73 0.12 0.00	66.86 0.16 0.00	80.14 -0.13 0.00	53.36 -0.14 0.00	53.37 -0.51 0.00	43.76 -0.58 0.00	42.87 -0.43 0.00
BABYLON_RES_REC 323704	49.27 1.96 0.00	39.87 1.74 0.00	38.02 1.52 0.00	35.10 1.40 0.00	38.37 1.54 0.00	36.35 1.88 0.00	51.69 1.95 0.66	42.87 2.01 13.77	40.56 1.66 4.82	43.14 2.02 1.13	45.86 2.71 0.00	40.90 2.59 0.04	37.99 2.14 0.08	45.97 2.57 0.02	43.43 2.27 0.31	52.88 2.35 5.06	49.93 2.42 7.16	56.13 2.33 5.80	67.52 2.21 1.39	83.03 2.77 0.00	55.56 2.07 0.00	52.05 2.06 3.89	46.54 2.20 0.00	45.06 1.76 0.00
BALL_HILL_WT_PWR 323825	43.74 -3.58 0.00	35.02 -3.11 0.00	33.56 -2.95 0.00	30.80 -2.89 0.00	34.12 -2.70 0.00	31.62 -2.86 0.00	46.29 -4.10 0.00	50.97 -3.66 0.00	41.49 -2.23 0.00	40.52 -1.73 0.00	41.15 -2.00 0.00	36.31 -2.05 0.00	33.67 -2.26 0.00	40.84 -2.71 0.00	38.76 -2.91 0.00	52.68 -2.00 0.00	52.67 -2.00 0.00	57.61 -1.99 0.00	64.83 -1.86 0.00	76.48 -3.79 0.00	50.59 -2.91 0.00	50.49 -3.39 0.00	41.37 -2.97 0.00	40.94 -2.36 0.00
BARON_WINDS___WT_PWR 323822	43.63 -3.69 0.00	34.98 -3.15 0.00	33.49 -3.02 0.00	30.77 -2.93 0.00	33.93 -2.89 0.00	31.66 -2.82 0.00	46.51 -3.88 0.00	50.86 -3.77 0.00	40.89 -2.82 0.00	39.58 -2.67 0.00	40.42 -2.73 0.00	35.68 -2.67 0.00	33.05 -2.89 0.00	40.13 -3.30 0.00	38.16 -3.31 0.00	52.18 -3.41 0.00	52.43 -2.24 0.00	57.44 -2.16 0.00	64.74 -1.95 0.00	76.45 -3.82 0.00	50.50 -2.99 0.00	50.38 -3.50 0.00	41.51 -2.83 0.00	41.07 -2.23 0.00
BARRETT_IC_1 23704	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_10 23701	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_11 23702	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_12 23703	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_2 23705	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_3 23706	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_4 23707	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_5 23708	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00

BARRETT_IC_6 23709	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_7 23710	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.37 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.23 1.78 -0.07	57.87 1.81 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.59 0.04	38.09 2.24 0.08	46.22 2.81 0.02	43.96 2.45 -0.03	58.62 2.50 -0.53	57.82 2.40 -0.74	62.17 1.96 -0.60	68.51 1.68 -0.14	82.39 2.12 0.00	55.33 1.83 0.00	56.05 1.77 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_8 23711	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT_IC_9 23700	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT___1 23545	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BARRETT___2 23546	49.18 1.86 0.00	39.81 1.68 0.00	37.99 1.49 0.00	35.06 1.36 0.00	38.31 1.49 0.00	36.16 1.69 0.00	52.25 1.79 -0.07	57.86 1.80 -1.43	45.75 1.53 -0.50	44.35 2.10 0.00	45.80 2.65 0.00	40.90 2.58 0.04	38.09 2.24 0.08	46.23 2.82 0.02	43.95 2.45 -0.03	58.58 2.47 -0.53	57.81 2.39 -0.74	62.16 1.96 -0.60	68.53 1.69 -0.14	82.39 2.12 0.00	55.32 1.83 0.00	56.06 1.78 -0.40	46.20 1.86 0.00	44.80 1.50 0.00
BATAVIA___115KV_TB1 55881	45.43 -1.89 0.00	36.34 -1.79 0.00	34.81 -1.69 0.00	31.95 -1.74 0.00	35.40 -1.43 0.00	32.70 -1.77 0.00	47.85 -2.55 0.00	52.69 -1.94 0.00	42.81 -0.91 0.00	41.48 -0.77 0.00	42.06 -1.09 0.00	37.16 -1.20 0.00	34.40 -1.53 0.00	41.57 -1.85 0.00	39.60 -1.87 0.00	54.15 -1.44 0.00	54.11 -0.57 0.00	59.30 -0.30 0.00	66.67 -0.02 0.00	78.80 -1.46 0.00	52.11 -1.39 0.00	51.86 -2.02 0.00	42.42 -1.92 0.00	41.95 -1.35 0.00
BAYONEEC___CTG1 323682	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BAYONEEC___CTG10 323750	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BAYONEEC___CTG2 323683	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BAYONEEC___CTG3 323684	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BAYONEEC___CTG4 323685	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BAYONEEC___CTG5 323686	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BAYONEEC___CTG6 323687	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BAYONEEC___CTG7 323688	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00

BAYONEEC___CTG8 323689	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BAYONEEC___CTG9 323749	49.63 2.31 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.11 2.72 0.00	57.46 2.83 0.00	46.03 2.32 0.00	46.25 2.57 -1.43	46.06 2.90 -0.01	41.75 2.79 -0.59	39.50 2.48 -1.08	46.72 3.04 -0.25	44.21 2.73 -0.01	58.45 2.86 0.00	57.47 2.80 0.00	62.38 2.78 0.00	69.46 2.77 0.00	83.60 3.34 0.00	55.95 2.45 0.00	56.36 2.48 0.00	46.47 2.13 0.00	45.09 1.79 0.00
BEACON___LESR 323632	48.38 1.06 0.00	39.03 0.90 0.00	37.36 0.86 0.00	34.53 0.83 0.00	37.68 0.86 0.00	35.49 1.01 0.00	51.82 1.43 0.00	55.95 1.32 0.00	44.48 0.77 0.00	42.87 0.63 0.00	43.93 0.78 0.00	39.30 0.94 0.00	36.78 0.84 0.00	44.52 1.09 0.00	42.52 1.05 0.00	56.87 1.28 0.00	56.28 1.60 0.00	60.96 1.36 0.00	68.22 1.52 0.00	82.19 1.93 0.00	54.74 1.24 0.00	54.61 0.73 0.00	44.79 0.45 0.00	43.74 0.44 0.00
BEAVER RIVER___HYD 24048	47.52 0.20 0.00	38.20 0.07 0.00	36.71 0.21 0.00	33.16 -0.53 0.00	36.39 -0.44 0.00	34.25 -0.22 0.00	50.64 0.25 0.00	54.91 0.28 0.00	44.25 0.54 0.00	41.80 -0.45 0.00	42.59 -0.56 0.00	38.05 -0.31 0.00	35.37 -0.57 0.00	42.65 -0.78 0.00	41.12 -0.36 0.00	55.43 -0.16 0.00	55.00 0.33 0.00	60.23 0.63 0.00	67.42 0.73 0.00	81.28 1.02 0.00	54.17 0.68 0.00	55.05 1.17 0.00	45.45 1.11 0.00	44.38 1.08 0.00
BEEBEE_GT_13 23619	45.48 -1.84 0.00	36.47 -1.67 0.00	34.91 -1.59 0.00	32.12 -1.58 0.00	35.41 -1.41 0.00	32.97 -1.50 0.00	48.29 -2.10 0.00	52.90 -1.74 0.00	42.85 -0.86 0.00	41.65 -0.60 0.00	42.34 -0.81 0.00	37.44 -0.92 0.00	34.75 -1.19 0.00	42.02 -1.41 0.00	40.03 -1.44 0.00	54.28 -1.31 0.00	53.97 -0.70 0.00	58.98 -0.62 0.00	66.19 -0.50 0.00	78.69 -1.58 0.00	52.15 -1.34 0.00	52.06 -1.82 0.00	42.60 -1.74 0.00	41.88 -1.42 0.00
BENSHRST_27_KV_BENSHRST_1 355998	50.06 2.74 0.00	40.44 2.31 0.00	38.61 2.11 0.00	35.62 1.93 0.00	38.99 2.16 0.00	36.88 2.40 0.00	53.53 3.14 0.00	57.97 3.34 0.00	46.53 2.82 0.00	46.99 2.98 -1.76	46.44 3.28 -0.01	42.09 3.00 -0.73	39.86 2.60 -1.33	47.15 3.41 -0.31	44.62 3.13 -0.02	58.95 3.36 0.00	57.96 3.29 0.00	62.95 3.35 0.00	70.09 3.39 0.00	84.46 4.20 0.00	56.63 3.13 0.00	56.94 3.07 0.00	46.99 2.65 0.00	45.56 2.27 0.00
BETHLEHEM___GRP 23843	47.73 0.41 0.00	38.58 0.45 0.00	36.91 0.41 0.00	34.16 0.47 0.00	37.21 0.39 0.00	35.01 0.53 0.00	50.94 0.55 0.00	55.06 0.43 0.00	43.83 0.12 0.00	42.28 0.03 0.00	43.21 0.06 0.00	38.76 0.40 0.00	36.27 0.34 0.00	43.85 0.42 0.00	41.87 0.40 0.00	55.83 0.24 0.00	55.19 0.52 0.00	59.80 0.20 0.00	66.86 0.17 0.00	80.68 0.41 0.00	53.81 0.31 0.00	53.58 -0.30 0.00	43.99 -0.35 0.00	42.92 -0.39 0.00
BETHLEHEM___GS1 323560	47.73 0.41 0.00	38.58 0.45 0.00	36.91 0.41 0.00	34.16 0.47 0.00	37.21 0.39 0.00	35.01 0.53 0.00	50.94 0.55 0.00	55.06 0.43 0.00	43.83 0.12 0.00	42.28 0.03 0.00	43.21 0.06 0.00	38.76 0.40 0.00	36.28 0.34 0.00	43.85 0.43 0.00	41.87 0.40 0.00	55.83 0.24 0.00	55.19 0.52 0.00	59.79 0.19 0.00	66.86 0.17 0.00	80.67 0.41 0.00	53.81 0.31 0.00	53.58 -0.29 0.00	43.99 -0.35 0.00	42.91 -0.39 0.00
BETHLEHEM___GS2 323561	47.73 0.41 0.00	38.58 0.45 0.00	36.91 0.41 0.00	34.16 0.47 0.00	37.21 0.39 0.00	35.01 0.53 0.00	50.94 0.55 0.00	55.06 0.43 0.00	43.83 0.12 0.00	42.28 0.03 0.00	43.21 0.06 0.00	38.76 0.40 0.00	36.28 0.34 0.00	43.85 0.43 0.00	41.87 0.40 0.00	55.83 0.24 0.00	55.19 0.52 0.00	59.79 0.19 0.00	66.86 0.17 0.00	80.67 0.41 0.00	53.81 0.31 0.00	53.58 -0.29 0.00	43.99 -0.35 0.00	42.91 -0.39 0.00
BETHLEHEM___GS3 323562	47.73 0.41 0.00	38.58 0.45 0.00	36.91 0.41 0.00	34.16 0.47 0.00	37.21 0.39 0.00	35.01 0.53 0.00	50.94 0.55 0.00	55.06 0.43 0.00	43.83 0.12 0.00	42.28 0.03 0.00	43.21 0.06 0.00	38.76 0.40 0.00	36.28 0.34 0.00	43.85 0.43 0.00	41.87 0.40 0.00	55.83 0.24 0.00	55.19 0.52 0.00	59.79 0.19 0.00	66.86 0.17 0.00	80.67 0.41 0.00	53.81 0.31 0.00	53.58 -0.29 0.00	43.99 -0.35 0.00	42.91 -0.39 0.00
BETHLEHEM___STEEL 23779	44.07 -3.25 0.00	35.27 -2.87 0.00	33.78 -2.72 0.00	30.98 -2.72 0.00	34.31 -2.52 0.00	31.73 -2.75 0.00	46.39 -4.00 0.00	51.05 -3.59 0.00	41.65 -2.06 0.00	40.68 -1.57 0.00	41.20 -1.96 0.00	36.33 -2.03 0.00	33.60 -2.33 0.00	40.81 -2.61 0.00	38.80 -2.68 0.00	52.84 -2.75 0.00	52.77 -1.91 0.00	57.69 -1.91 0.00	64.99 -1.70 0.00	76.69 -3.58 0.00	50.67 -2.82 0.00	50.49 -3.39 0.00	41.37 -2.97 0.00	40.97 -2.32 0.00
BETHLHEM_115KV_TB1 79974	47.80 0.48 0.00	38.62 0.49 0.00	36.96 0.46 0.00	34.20 0.50 0.00	37.26 0.44 0.00	35.06 0.58 0.00	51.01 0.63 0.00	55.14 0.51 0.00	43.92 0.20 0.00	42.38 0.13 0.00	43.31 0.16 0.00	38.82 0.46 0.00	36.34 0.41 0.00	43.94 0.51 0.00	41.94 0.47 0.00	55.93 0.34 0.00	55.29 0.62 0.00	59.91 0.31 0.00	66.98 0.28 0.00	80.80 0.54 0.00	53.93 0.43 0.00	53.76 -0.12 0.00	44.14 -0.20 0.00	43.07 -0.23 0.00
BETHPAGE_CC_5 323564	49.20 1.88 0.00	39.80 1.67 0.00	37.96 1.45 0.00	35.02 1.33 0.00	38.26 1.44 0.00	36.21 1.74 0.00	51.58 1.79 0.60	44.02 1.87 12.48	40.96 1.61 4.36	43.23 2.02 1.03	45.77 2.62 0.00	40.88 2.57 0.04	38.00 2.15 0.08	45.99 2.58 0.02	43.47 2.28 0.28	53.26 2.25 4.58	50.43 2.24 6.49	56.48 2.13 5.25	67.46 2.02 1.26	82.82 2.55 0.00	55.42 1.92 0.00	52.35 2.00 3.53	46.44 2.10 0.00	44.97 1.67 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	44.13 -3.20 0.00	35.31 -2.82 0.00	33.83 -2.67 0.00	31.02 -2.67 0.00	34.37 -2.46 0.00	31.81 -2.67 0.00	46.54 -3.85 0.00	51.35 -3.28 0.00	41.87 -1.84 0.00	40.79 -1.46 0.00	41.29 -1.86 0.00	36.40 -1.96 0.00	33.68 -2.26 0.00	40.92 -2.51 0.00	38.90 -2.57 0.00	52.98 -2.61 0.00	52.92 -1.76 0.00	57.87 -1.73 0.00	65.19 -1.50 0.00	76.91 -3.36 0.00	50.80 -2.70 0.00	50.61 -3.27 0.00	41.47 -2.87 0.00	41.06 -2.24 0.00
BINGHAMTON___COGEN 23790	46.87 -0.45 0.00	37.75 -0.38 0.00	36.11 -0.39 0.00	33.32 -0.38 0.00	36.48 -0.34 0.00	34.22 -0.25 0.00	50.04 -0.35 0.00	54.34 -0.29 0.00	43.52 -0.19 0.00	42.12 -0.13 0.00	43.07 -0.08 0.00	38.27 -0.08 0.00	35.74 -0.19 0.00	43.20 -0.22 0.00	41.16 -0.31 0.00	55.27 -0.32 0.00	54.72 0.05 0.00	59.56 -0.04 0.00	66.76 0.06 0.00	80.01 -0.25 0.00	53.31 -0.19 0.00	53.54 -0.34 0.00	44.02 -0.32 0.00	42.99 -0.31 0.00

BIXINCNT_115KV_LOAD 355685	43.03 -4.29 0.00	34.58 -3.55 0.00	33.39 -3.12 0.00	30.53 -3.17 0.00	33.88 -2.94 0.00	31.70 -2.78 0.00	46.68 -3.71 0.00	51.28 -3.36 0.00	41.85 -1.87 0.00	40.30 -1.95 0.00	40.99 -2.17 0.00	36.09 -2.27 0.00	33.31 -2.63 0.00	40.91 -2.52 0.00	38.98 -2.49 0.00	53.30 -2.28 0.00	53.32 -1.35 0.00	58.41 -1.19 0.00	65.65 -1.04 0.00	77.25 -3.01 0.00	50.89 -2.61 0.00	50.72 -3.15 0.00	41.66 -2.68 0.00	41.23 -2.07 0.00
BLACK RIVER___HYD 24047	47.05 -0.27 0.00	37.80 -0.33 0.00	36.40 -0.11 0.00	32.84 -0.86 0.00	36.09 -0.74 0.00	34.09 -0.38 0.00	50.49 0.09 0.00	54.73 0.10 0.00	44.03 0.31 0.00	40.98 -1.27 0.00	41.93 -1.22 0.00	37.68 -0.68 0.00	34.94 -1.00 0.00	42.04 -1.39 0.00	40.53 -0.94 0.00	54.80 -0.79 0.00	54.97 0.30 0.00	60.42 0.82 0.00	67.72 1.03 0.00	81.49 1.23 0.00	54.34 0.84 0.00	55.23 1.35 0.00	45.51 1.17 0.00	44.38 1.08 0.00
BLACKRVR_115KV_TB2 79977	47.05 -0.27 0.00	37.80 -0.33 0.00	36.40 -0.11 0.00	32.84 -0.86 0.00	36.09 -0.74 0.00	34.09 -0.38 0.00	50.49 0.09 0.00	54.73 0.10 0.00	44.03 0.31 0.00	40.98 -1.27 0.00	41.93 -1.22 0.00	37.68 -0.68 0.00	34.94 -1.00 0.00	42.04 -1.39 0.00	40.53 -0.94 0.00	54.79 -0.79 0.00	54.98 0.30 0.00	60.41 0.81 0.00	67.73 1.03 0.00	81.49 1.23 0.00	54.33 0.84 0.00	55.23 1.35 0.00	45.50 1.17 0.00	44.38 1.08 0.00
BLDWN_LI_69_KV_BK4 356085	49.50 2.18 0.00	40.03 1.90 0.00	38.19 1.68 0.00	35.24 1.54 0.00	38.52 1.69 0.00	36.44 1.96 0.00	52.27 2.21 0.33	50.00 2.30 6.93	43.19 1.91 2.42	43.94 2.31 0.62	46.04 2.89 0.00	41.10 2.79 0.04	38.24 2.38 0.08	46.31 2.91 0.02	43.94 2.62 0.16	55.82 2.78 2.55	53.85 2.78 3.60	59.31 2.63 2.92	68.55 2.55 0.70	83.41 3.14 0.00	55.90 2.40 0.00	54.27 2.35 1.96	46.64 2.30 0.00	45.20 1.90 0.00
BLISS_WT_PWR 323608	42.56 -4.76 0.00	34.25 -3.88 0.00	33.14 -3.36 0.00	30.28 -3.42 0.00	33.63 -3.19 0.00	31.53 -2.95 0.00	46.49 -3.90 0.00	51.05 -3.58 0.00	41.70 -2.02 0.00	40.04 -2.21 0.00	40.75 -2.40 0.00	35.88 -2.48 0.00	33.07 -2.86 0.00	40.75 -2.67 0.00	38.89 -2.58 0.00	53.25 -2.34 0.00	53.34 -1.33 0.00	58.41 -1.19 0.00	65.64 -1.05 0.00	77.15 -3.12 0.00	50.77 -2.72 0.00	50.58 -3.29 0.00	41.60 -2.74 0.00	41.17 -2.13 0.00
BLUESTONE___WT_PWR 323821	42.53 -4.79 0.00	34.72 -3.42 0.00	33.27 -3.23 0.00	30.65 -3.05 0.00	33.65 -3.18 0.00	31.94 -2.54 0.00	46.60 -3.79 0.00	51.21 -3.42 0.00	40.91 -2.80 0.00	39.22 -3.03 0.00	39.61 -3.54 0.00	35.75 -2.61 0.00	33.09 -2.84 0.00	40.35 -3.08 0.00	38.92 -2.55 0.00	53.07 -2.52 0.00	54.18 -0.49 0.00	60.66 1.06 0.00	68.79 2.10 0.00	82.68 2.41 0.00	55.57 2.07 0.00	56.19 2.31 0.00	46.20 1.87 0.00	45.07 1.78 0.00
BLUE_CIRC_CHEM_DRP 24182	48.25 0.93 0.00	38.94 0.81 0.00	37.28 0.78 0.00	34.48 0.78 0.00	37.61 0.79 0.00	35.35 0.88 0.00	51.48 1.09 0.00	55.64 1.01 0.00	44.27 0.56 0.00	42.65 0.40 0.00	43.62 0.47 0.00	39.05 0.69 0.00	36.56 0.62 0.00	44.21 0.79 0.00	42.19 0.72 0.00	56.41 0.82 0.00	55.78 1.11 0.00	60.46 0.86 0.00	67.61 0.92 0.00	81.55 1.28 0.00	54.48 0.98 0.00	54.45 0.57 0.00	44.71 0.37 0.00	43.64 0.34 0.00
BOC_GAS_DRP 24189	47.96 0.64 0.00	38.72 0.59 0.00	37.03 0.53 0.00	34.24 0.54 0.00	37.36 0.54 0.00	35.13 0.66 0.00	51.14 0.76 0.00	55.32 0.68 0.00	44.12 0.41 0.00	42.61 0.36 0.00	43.59 0.44 0.00	38.97 0.62 0.00	36.47 0.53 0.00	44.11 0.69 0.00	42.08 0.61 0.00	56.16 0.57 0.00	55.43 0.76 0.00	60.09 0.49 0.00	67.18 0.49 0.00	81.06 0.79 0.00	54.14 0.64 0.00	54.21 0.34 0.00	44.55 0.21 0.00	43.45 0.16 0.00
BOONVILLE_115KV_TB1 79983	47.86 0.54 0.00	38.57 0.44 0.00	36.98 0.48 0.00	33.81 0.12 0.00	37.04 0.21 0.00	34.88 0.41 0.00	51.27 0.88 0.00	55.56 0.93 0.00	44.54 0.83 0.00	42.66 0.41 0.00	43.52 0.36 0.00	38.79 0.43 0.00	36.15 0.22 0.00	43.77 0.34 0.00	41.91 0.44 0.00	56.37 0.78 0.00	55.82 1.15 0.00	60.93 1.33 0.00	68.11 1.42 0.00	82.02 1.75 0.00	54.67 1.17 0.00	55.15 1.27 0.00	45.38 1.05 0.00	44.27 0.97 0.00
BORALEX_4TH_BRANCH 23824	48.91 1.59 0.00	39.48 1.35 0.00	37.71 1.21 0.00	34.94 1.25 0.00	38.02 1.20 0.00	35.94 1.46 0.00	52.18 1.79 0.00	56.32 1.68 0.00	44.49 0.77 0.00	42.60 0.35 0.00	43.44 0.29 0.00	39.06 0.70 0.00	36.57 0.64 0.00	44.35 0.92 0.00	42.35 0.88 0.00	56.51 0.92 0.00	56.22 1.54 0.00	60.70 1.10 0.00	67.96 1.26 0.00	82.37 2.11 0.00	55.43 1.94 0.00	55.09 1.21 0.00	45.04 0.70 0.00	44.13 0.83 0.00
BOWLINE___1 23526	49.03 1.71 0.00	39.61 1.47 0.00	37.83 1.32 0.00	34.89 1.20 0.00	38.18 1.35 0.00	36.07 1.60 0.00	52.44 2.05 0.00	56.73 2.10 0.00	45.37 1.66 0.00	44.12 1.87 0.00	45.33 2.18 0.00	40.49 2.13 0.00	37.82 1.89 0.00	45.77 2.34 0.00	43.54 2.06 0.00	57.76 2.17 0.00	56.87 2.20 0.00	61.80 2.20 0.00	68.90 2.21 0.00	82.94 2.68 0.00	55.39 1.89 0.00	55.76 1.88 0.00	45.96 1.62 0.00	44.65 1.35 0.00
BOWLINE___2 23595	49.01 1.69 0.00	39.60 1.46 0.00	37.81 1.31 0.00	34.88 1.19 0.00	38.16 1.34 0.00	36.06 1.58 0.00	52.43 2.04 0.00	56.71 2.08 0.00	45.36 1.65 0.00	44.10 1.86 0.00	45.32 2.16 0.00	40.48 2.12 0.00	37.81 1.88 0.00	45.76 2.33 0.00	43.53 2.06 0.00	57.74 2.15 0.00	56.86 2.19 0.00	61.77 2.17 0.00	68.87 2.18 0.00	82.92 2.66 0.00	55.37 1.87 0.00	55.75 1.88 0.00	45.95 1.61 0.00	44.64 1.34 0.00
BRADY___115KV_TB2 356060	49.43 2.11 0.00	39.68 1.55 0.00	38.04 1.54 0.00	35.02 1.32 0.00	38.30 1.48 0.00	35.46 0.99 0.00	52.23 1.84 0.00	56.77 2.14 0.00	45.52 1.80 0.00	43.81 1.56 0.00	44.49 1.34 0.00	39.15 0.79 0.00	36.72 0.78 0.00	44.35 0.92 0.00	42.62 1.15 0.00	57.20 1.61 0.00	56.00 1.33 0.00	61.57 1.97 0.00	69.00 2.30 0.00	83.08 2.81 0.00	55.18 1.68 0.00	56.18 2.30 0.00	46.44 2.10 0.00	45.40 2.10 0.00
BRANSCOMB___SOLAR 323811	49.00 1.68 0.00	39.55 1.41 0.00	37.78 1.28 0.00	34.95 1.26 0.00	38.12 1.30 0.00	35.98 1.50 0.00	52.39 2.00 0.00	56.57 1.93 0.00	44.77 1.06 0.00	42.87 0.62 0.00	43.87 0.72 0.00	39.45 1.09 0.00	36.84 0.90 0.00	44.78 1.35 0.00	42.76 1.28 0.00	57.23 1.65 0.00	56.91 2.23 0.00	61.64 2.04 0.00	68.96 2.27 0.00	83.32 3.06 0.00	55.80 2.30 0.00	55.60 1.72 0.00	45.58 1.24 0.00	44.57 1.27 0.00
BRDGHMPT_69_KV_BK1 55812	47.79 0.48 0.00	38.87 0.74 0.00	37.08 0.58 0.00	34.25 0.55 0.00	37.45 0.63 0.00	35.65 1.18 0.00	50.06 0.45 0.00	-36.11 0.44 91.19	-63.08 0.83 107.62	0.43 0.73 42.55	0.46 1.37 44.06	23.86 1.67 16.17	-1.04 1.22 38.19	-14.09 1.49 59.01	11.26 1.15 31.36	4.99 0.74 51.34	5.22 0.68 50.13	16.15 0.43 43.88	20.87 0.06 45.88	27.90 0.40 52.77	-3.07 0.40 56.97	-26.71 0.42 81.01	-15.70 0.84 60.89	-15.56 0.46 59.32

BRENTWOD_69_KV_W. BRTWOOD 56703	49.37 2.05 0.00	39.95 1.82 0.00	38.10 1.59 0.00	35.17 1.48 0.00	38.45 1.62 0.00	36.46 1.98 0.00	51.61 1.97 0.75	40.92 1.96 15.68	39.81 1.58 5.48	42.95 1.98 1.27	45.84 2.69 0.00	40.93 2.62 0.04	38.03 2.18 0.08	45.98 2.58 0.02	43.41 2.29 0.35	52.15 2.32 5.76	48.92 2.39 8.15	55.29 2.29 6.60	67.25 2.14 1.58	82.97 2.70 0.00	55.49 1.99 0.00	51.46 2.01 4.43	46.56 2.22 0.00	45.09 1.79 0.00
BRISTLHL_115KV_TB1 79998	45.69 -1.63 0.00	36.82 -1.31 0.00	35.23 -1.27 0.00	32.55 -1.14 0.00	35.58 -1.24 0.00	33.39 -1.09 0.00	48.82 -1.57 0.00	52.97 -1.67 0.00	42.47 -1.25 0.00	41.02 -1.23 0.00	41.88 -1.28 0.00	37.21 -1.15 0.00	34.79 -1.15 0.00	42.09 -1.34 0.00	40.06 -1.41 0.00	53.89 -1.70 0.00	53.28 -1.39 0.00	58.06 -1.54 0.00	64.97 -1.73 0.00	78.00 -2.26 0.00	51.99 -1.51 0.00	52.28 -1.60 0.00	42.96 -1.38 0.00	41.91 -1.39 0.00
BROOKHAVEN___DRP 24191	48.48 1.16 0.00	39.39 1.26 0.00	37.56 1.06 0.00	34.69 0.99 0.00	37.92 1.09 0.00	36.02 1.55 0.00	50.63 1.02 0.78	-33.66 -0.78 89.08	-60.23 -0.79 104.73	2.17 1.30 41.38	2.32 1.97 42.81	24.73 2.08 15.71	0.47 1.64 37.11	-11.96 1.95 57.34	12.60 1.61 30.48	6.80 1.27 50.06	6.91 1.19 48.96	17.72 0.95 42.84	22.71 0.65 44.62	29.87 0.88 51.27	-1.05 -0.80 55.35	-24.18 -0.79 78.85	-13.54 1.28 59.16	-13.42 0.91 57.63
BROOKLYN_NAVY_YARD 23515	49.53 2.21 0.00	40.02 1.89 0.00	38.21 1.70 0.00	35.24 1.54 0.00	38.55 1.73 0.00	36.49 2.02 0.00	53.02 2.63 0.00	57.36 2.73 0.00	45.96 2.25 0.00	46.16 2.51 -1.41	46.00 2.84 -0.01	41.74 2.79 -0.58	39.49 2.49 -1.06	46.69 3.02 -0.25	44.19 2.71 -0.01	58.43 2.84 0.00	57.47 2.80 0.00	62.37 2.77 0.00	69.45 2.76 0.00	83.60 3.34 0.00	55.93 2.43 0.00	56.34 2.46 0.00	46.43 2.09 0.00	45.05 1.75 0.00
BROOKLYN___ARMY_DRP 323595	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
BROOME_2_LFGE 323671	46.87 -0.45 0.00	37.75 -0.38 0.00	36.11 -0.39 0.00	33.32 -0.38 0.00	36.48 -0.34 0.00	34.22 -0.25 0.00	50.04 -0.35 0.00	54.34 -0.29 0.00	43.51 -0.20 0.00	42.12 -0.13 0.00	43.07 -0.08 0.00	38.27 -0.09 0.00	35.74 -0.19 0.00	43.19 -0.23 0.00	41.17 -0.31 0.00	55.27 -0.32 0.00	54.73 0.05 0.00	59.56 -0.04 0.00	66.76 0.06 0.00	80.02 -0.24 0.00	53.30 -0.19 0.00	53.54 -0.34 0.00	44.02 -0.32 0.00	42.99 -0.31 0.00
BROOME___LFGE 323600	46.87 -0.45 0.00	37.75 -0.38 0.00	36.11 -0.39 0.00	33.32 -0.38 0.00	36.48 -0.34 0.00	34.22 -0.25 0.00	50.04 -0.35 0.00	54.34 -0.29 0.00	43.51 -0.20 0.00	42.12 -0.13 0.00	43.07 -0.08 0.00	38.27 -0.09 0.00	35.74 -0.19 0.00	43.19 -0.23 0.00	41.17 -0.31 0.00	55.27 -0.32 0.00	54.73 0.05 0.00	59.56 -0.04 0.00	66.76 0.06 0.00	80.02 -0.24 0.00	53.30 -0.19 0.00	53.54 -0.34 0.00	44.02 -0.32 0.00	42.99 -0.31 0.00
BROWNFLS_115KV_TB_3_5 80003	48.14 0.82 0.00	38.67 0.54 0.00	37.13 0.63 0.00	33.80 0.10 0.00	36.97 0.14 0.00	34.54 0.06 0.00	50.98 0.59 0.00	55.47 0.84 0.00	44.63 0.91 0.00	42.51 0.26 0.00	43.24 0.08 0.00	38.41 0.06 0.00	35.82 -0.11 0.00	43.12 -0.30 0.00	41.52 0.04 0.00	55.83 0.24 0.00	54.83 0.16 0.00	60.06 0.46 0.00	67.27 0.58 0.00	81.17 0.90 0.00	53.95 0.45 0.00	54.99 1.11 0.00	45.52 1.18 0.00	44.46 1.17 0.00
BROWNSV1_27_KV_LOAD 356125	49.96 2.64 0.00	40.35 2.22 0.00	38.51 2.00 0.00	35.51 1.81 0.00	38.87 2.04 0.00	36.78 2.31 0.00	53.51 3.12 0.00	57.91 3.28 0.00	46.43 2.71 0.00	46.58 2.93 -1.40	46.42 3.26 -0.01	42.08 3.14 -0.58	39.78 2.79 -1.06	47.10 3.42 -0.25	44.58 3.09 -0.01	58.98 3.40 0.00	58.01 3.34 0.00	63.00 3.39 0.00	70.17 3.48 0.00	84.41 4.14 0.00	56.46 2.96 0.00	56.84 2.96 0.00	46.85 2.51 0.00	45.45 2.15 0.00
BURROWS___LYONSDAL 23803	47.68 0.37 0.00	38.41 0.28 0.00	36.85 0.35 0.00	33.57 -0.12 0.00	36.79 -0.03 0.00	34.66 0.19 0.00	51.03 0.64 0.00	55.29 0.66 0.00	44.41 0.69 0.00	42.39 0.14 0.00	43.21 0.06 0.00	38.55 0.19 0.00	35.90 -0.04 0.00	43.43 0.00 0.00	41.67 0.20 0.00	56.07 0.48 0.00	55.55 0.88 0.00	60.66 1.06 0.00	67.85 1.15 0.00	81.76 1.50 0.00	54.51 1.01 0.00	55.08 1.20 0.00	45.38 1.04 0.00	44.28 0.98 0.00
CAITHNESS_CC_1 323624	48.55 1.23 0.00	39.41 1.28 0.00	37.59 1.08 0.00	34.71 1.02 0.00	37.93 1.11 0.00	36.03 1.55 0.00	50.71 1.10 0.78	-33.51 0.95 89.10	-60.13 0.90 104.75	2.26 1.39 41.38	2.42 2.07 42.81	24.79 2.14 15.71	0.51 1.69 37.11	-11.90 2.01 57.35	12.64 1.65 30.48	6.82 1.30 50.07	7.00 1.29 48.97	17.83 1.07 42.84	22.85 0.79 44.63	30.05 1.06 51.28	-0.94 0.92 55.36	-24.05 0.93 78.86	-13.45 1.38 59.16	-13.33 1.00 57.63
CALPINE BETH_PAGE_GT4 24209	49.20 1.88 0.00	39.80 1.67 0.00	37.95 1.45 0.00	35.03 1.33 0.00	38.27 1.44 0.00	36.23 1.75 0.00	51.70 1.84 0.53	45.50 1.94 11.07	41.49 1.64 3.87	43.36 2.04 0.93	45.79 2.64 0.00	40.89 2.58 0.04	38.02 2.17 0.08	46.00 2.60 0.02	43.53 2.30 0.25	53.87 2.35 4.07	51.26 2.34 5.76	57.16 2.23 4.66	67.69 2.11 1.12	82.92 2.65 0.00	55.48 1.99 0.00	52.76 2.02 3.13	46.42 2.09 0.00	44.97 1.67 0.00
CALPINE_BETH_PAGE_GT_4 323586	49.20 1.88 0.00	39.80 1.67 0.00	37.95 1.45 0.00	35.02 1.33 0.00	38.27 1.44 0.00	36.23 1.75 0.00	51.71 1.85 0.53	45.50 1.94 11.07	41.49 1.65 3.87	43.36 2.04 0.93	45.79 2.64 0.00	40.89 2.57 0.04	38.02 2.16 0.08	46.01 2.61 0.02	43.53 2.30 0.25	53.84 2.32 4.07	51.24 2.32 5.76	57.16 2.22 4.66	67.69 2.12 1.12	82.92 2.65 0.00	55.48 1.98 0.00	52.77 2.02 3.13	46.42 2.09 0.00	44.98 1.68 0.00
CALPINE_BP_GT1 23823	49.20 1.88 0.00	39.80 1.67 0.00	37.95 1.45 0.00	35.02 1.33 0.00	38.27 1.44 0.00	36.23 1.75 0.00	51.71 1.85 0.53	45.50 1.94 11.07	41.49 1.65 3.87	43.36 2.04 0.93	45.79 2.64 0.00	40.89 2.57 0.04	38.02 2.16 0.08	46.01 2.61 0.02	43.53 2.30 0.25	53.84 2.32 4.07	51.24 2.32 5.76	57.16 2.22 4.66	67.69 2.12 1.12	82.92 2.65 0.00	55.48 1.98 0.00	52.77 2.02 3.13	46.42 2.09 0.00	44.98 1.68 0.00
CALSPAN___DRP 24200	44.07 -3.25 0.00	35.27 -2.87 0.00	33.78 -2.72 0.00	30.98 -2.72 0.00	34.31 -2.52 0.00	31.73 -2.75 0.00	46.39 -4.00 0.00	51.05 -3.59 0.00	41.65 -2.06 0.00	40.68 -1.57 0.00	41.20 -1.96 0.00	36.33 -2.03 0.00	33.60 -2.33 0.00	40.81 -2.61 0.00	38.80 -2.68 0.00	52.84 -2.75 0.00	52.77 -1.91 0.00	57.69 -1.91 0.00	64.99 -1.70 0.00	76.69 -3.58 0.00	50.67 -2.82 0.00	50.49 -3.39 0.00	41.37 -2.97 0.00	40.97 -2.32 0.00

CALVERTON___SOLAR 323806	48.41 1.09 0.00	39.35 1.22 0.00	37.53 1.03 0.00	34.66 0.96 0.00	37.88 1.06 0.00	36.01 1.53 0.00	50.58 0.97 0.78	-30.15 0.65 85.44	-55.35 0.72 99.78	4.09 1.22 39.38	4.36 1.88 40.67	25.45 2.02 14.93	2.26 1.58 35.26	-9.15 1.90 54.48	14.05 1.55 28.98	8.89 1.15 47.85	8.78 1.04 46.93	19.40 0.83 41.04	24.73 0.52 42.48	32.30 0.75 48.71	1.60 0.70 52.59	-20.56 0.69 75.14	-10.67 1.20 56.20	-10.63 0.82 54.75
CANDIGU_WT_PWR 323617	43.63 -3.69 0.00	34.98 -3.15 0.00	33.49 -3.02 0.00	30.77 -2.93 0.00	33.93 -2.89 0.00	31.66 -2.82 0.00	46.51 -3.88 0.00	50.86 -3.77 0.00	40.89 -2.82 0.00	39.58 -2.67 0.00	40.42 -2.73 0.00	35.68 -2.67 0.00	33.05 -2.89 0.00	40.13 -3.30 0.00	38.16 -3.31 0.00	52.18 -3.41 0.00	52.43 -2.24 0.00	57.44 -2.16 0.00	64.74 -1.95 0.00	76.45 -3.82 0.00	50.50 -2.99 0.00	50.38 -3.50 0.00	41.51 -2.83 0.00	41.07 -2.23 0.00
CARR STREET_E_SYR 24060	45.92 -1.40 0.00	37.01 -1.12 0.00	35.41 -1.09 0.00	32.73 -0.97 0.00	35.78 -1.04 0.00	33.58 -0.89 0.00	49.10 -1.29 0.00	53.35 -1.28 0.00	42.73 -0.98 0.00	41.30 -0.95 0.00	42.21 -0.94 0.00	37.50 -0.85 0.00	35.05 -0.89 0.00	42.35 -1.08 0.00	40.42 -1.05 0.00	54.29 -1.30 0.00	53.71 -0.97 0.00	58.51 -1.10 0.00	65.49 -1.21 0.00	78.57 -1.70 0.00	52.36 -1.13 0.00	52.72 -1.16 0.00	43.29 -1.05 0.00	42.25 -1.04 0.00
CARTHAGE___PAPER 23857	47.70 0.38 0.00	38.34 0.20 0.00	36.87 0.37 0.00	33.29 -0.40 0.00	36.56 -0.27 0.00	34.46 -0.02 0.00	51.01 0.62 0.00	55.30 0.67 0.00	44.53 0.81 0.00	41.74 -0.51 0.00	42.58 -0.57 0.00	38.15 -0.21 0.00	35.42 -0.52 0.00	42.68 -0.74 0.00	41.18 -0.29 0.00	55.62 0.03 0.00	55.44 0.77 0.00	60.84 1.23 0.00	68.15 1.46 0.00	82.08 1.82 0.00	54.71 1.21 0.00	55.61 1.73 0.00	45.86 1.53 0.00	44.76 1.46 0.00
CASSADAGA_WT_PWR 323784	42.92 -4.40 0.00	34.40 -3.73 0.00	33.11 -3.40 0.00	30.46 -3.23 0.00	33.93 -2.89 0.00	31.49 -2.99 0.00	46.42 -3.97 0.00	51.49 -3.15 0.00	41.95 -1.77 0.00	40.90 -1.35 0.00	41.66 -1.50 0.00	36.79 -1.57 0.00	34.32 -1.61 0.00	41.49 -1.94 0.00	39.42 -2.05 0.00	53.35 -2.24 0.00	53.64 -1.04 0.00	58.77 -0.83 0.00	65.94 -0.75 0.00	77.63 -2.63 0.00	51.38 -2.11 0.00	51.40 -2.48 0.00	41.93 -2.40 0.00	41.36 -1.94 0.00
CE_DUNWOOD___DRP 24194	49.25 1.93 0.00	39.78 1.65 0.00	37.97 1.47 0.00	35.03 1.34 0.00	38.33 1.50 0.00	36.23 1.75 0.00	52.66 2.27 0.00	56.97 2.34 0.00	45.60 1.89 0.00	44.40 2.11 -0.05	45.58 2.43 0.00	40.75 2.37 -0.02	38.06 2.09 -0.04	46.02 2.58 -0.01	43.78 2.31 0.00	58.07 2.48 0.00	57.14 2.47 0.00	62.05 2.44 0.00	69.14 2.45 0.00	83.25 2.99 0.00	55.63 2.13 0.00	55.99 2.12 0.00	46.16 1.82 0.00	44.83 1.53 0.00
CE_MILLWOOD___DRP 24193	49.18 1.86 0.00	39.72 1.58 0.00	37.93 1.42 0.00	34.99 1.29 0.00	38.28 1.45 0.00	36.17 1.69 0.00	52.59 2.20 0.00	56.90 2.27 0.00	45.53 1.81 0.00	44.32 2.03 -0.04	45.50 2.34 0.00	40.67 2.29 -0.02	37.99 2.02 -0.03	45.93 2.50 -0.01	43.70 2.23 0.00	57.96 2.37 0.00	57.04 2.37 0.00	61.95 2.35 0.00	69.06 2.36 0.00	83.14 2.88 0.00	55.56 2.06 0.00	55.92 2.04 0.00	46.09 1.75 0.00	44.77 1.47 0.00
CE_NYC2_DRP 24202	49.65 2.34 0.00	40.14 2.01 0.00	38.31 1.81 0.00	35.34 1.64 0.00	38.67 1.85 0.00	36.59 2.11 0.00	53.10 2.71 0.00	57.46 2.83 0.00	46.10 2.38 0.00	46.63 2.62 -1.76	46.09 2.93 -0.01	41.85 2.76 -0.73	39.69 2.42 -1.33	46.77 3.03 -0.31	44.25 2.75 -0.02	58.49 2.90 0.00	57.42 2.75 0.00	62.34 2.74 0.00	69.40 2.71 0.00	83.55 3.29 0.00	55.95 2.45 0.00	56.35 2.47 0.00	46.53 2.19 0.00	45.13 1.83 0.00
CE_NYC_DRP 24195	49.68 2.36 0.00	40.12 1.99 0.00	38.29 1.79 0.00	35.32 1.62 0.00	38.65 1.83 0.00	36.58 2.10 0.00	53.17 2.78 0.00	57.53 2.90 0.00	46.10 2.39 0.00	46.25 2.64 -1.35	46.13 2.97 -0.01	41.79 2.87 -0.56	39.50 2.54 -1.02	46.79 3.12 -0.24	44.30 2.81 -0.01	58.61 3.02 0.00	57.63 2.96 0.00	62.55 2.94 0.00	69.64 2.95 0.00	83.78 3.51 0.00	56.06 2.56 0.00	56.42 2.55 0.00	46.53 2.19 0.00	45.14 1.85 0.00
CHAFFEE___LFGE 323603	44.27 -3.04 0.00	35.42 -2.71 0.00	33.93 -2.58 0.00	31.11 -2.59 0.00	34.46 -2.37 0.00	31.88 -2.60 0.00	46.64 -3.75 0.00	51.34 -3.29 0.00	41.86 -1.86 0.00	40.87 -1.38 0.00	41.38 -1.77 0.00	36.48 -1.88 0.00	33.74 -2.19 0.00	40.97 -2.46 0.00	39.03 -2.44 0.00	53.17 -2.42 0.00	53.04 -1.64 0.00	57.98 -1.62 0.00	65.31 -1.38 0.00	77.08 -3.19 0.00	50.92 -2.58 0.00	50.70 -3.17 0.00	41.54 -2.80 0.00	41.12 -2.18 0.00
CHATEAUG_35_KV_LOAD 355732	47.97 0.65 0.00	38.43 0.30 0.00	36.85 0.35 0.00	34.00 0.30 0.00	37.15 0.33 0.00	34.20 -0.28 0.00	50.29 -0.10 0.00	54.62 -0.02 0.00	43.89 0.18 0.00	42.26 0.01 0.00	43.04 -0.11 0.00	38.01 -0.34 0.00	35.66 -0.28 0.00	42.88 -0.55 0.00	41.12 -0.36 0.00	55.41 -0.18 0.00	53.92 -0.75 0.00	59.29 -0.31 0.00	66.83 0.14 0.00	80.96 0.70 0.00	53.65 0.15 0.00	54.63 0.75 0.00	45.29 0.95 0.00	44.39 1.09 0.00
CHATEAUG_WT_PWR 323614	47.83 0.51 0.00	38.34 0.21 0.00	36.77 0.27 0.00	33.93 0.23 0.00	37.07 0.25 0.00	34.16 -0.32 0.00	50.20 -0.19 0.00	54.48 -0.15 0.00	43.84 0.12 0.00	42.25 0.00 0.00	43.04 -0.11 0.00	38.03 -0.33 0.00	35.66 -0.27 0.00	42.89 -0.54 0.00	41.07 -0.40 0.00	55.30 -0.29 0.00	53.80 -0.87 0.00	59.08 -0.52 0.00	66.58 -0.11 0.00	80.61 0.35 0.00	53.46 -0.04 0.00	54.41 0.54 0.00	45.14 0.80 0.00	44.23 0.93 0.00
CHAT_HIGH_FALL_HYD 323578	47.97 0.65 0.00	38.43 0.30 0.00	36.85 0.35 0.00	34.00 0.30 0.00	37.15 0.33 0.00	34.20 -0.28 0.00	50.29 -0.10 0.00	54.62 -0.02 0.00	43.89 0.18 0.00	42.26 0.01 0.00	43.04 -0.11 0.00	38.01 -0.34 0.00	35.66 -0.28 0.00	42.88 -0.55 0.00	41.12 -0.36 0.00	55.41 -0.18 0.00	53.92 -0.75 0.00	59.29 -0.31 0.00	66.83 0.14 0.00	80.96 0.70 0.00	53.65 0.15 0.00	54.63 0.75 0.00	45.29 0.95 0.00	44.39 1.09 0.00
CHAUTAUQUA___LFGE 323629	43.62 -3.70 0.00	34.93 -3.20 0.00	33.51 -3.00 0.00	30.77 -2.93 0.00	34.14 -2.69 0.00	31.66 -2.81 0.00	46.46 -3.93 0.00	51.21 -3.42 0.00	41.69 -2.02 0.00	40.72 -1.53 0.00	41.40 -1.75 0.00	36.53 -1.84 0.00	33.95 -1.99 0.00	41.14 -2.29 0.00	39.01 -2.46 0.00	52.96 -2.64 0.00	53.06 -1.61 0.00	58.07 -1.53 0.00	65.31 -1.38 0.00	76.96 -3.31 0.00	50.91 -2.58 0.00	50.89 -2.99 0.00	41.64 -2.70 0.00	41.14 -2.16 0.00
CHERRYST_13_KV_LD 356241	49.78 2.46 0.00	40.20 2.07 0.00	38.37 1.87 0.00	35.39 1.69 0.00	38.74 1.91 0.00	36.67 2.20 0.00	53.31 2.92 0.00	57.69 3.05 0.00	46.25 2.53 0.00	46.39 2.79 -1.35	46.29 3.13 -0.01	41.92 2.99 -0.56	39.62 2.66 -1.02	46.94 3.27 -0.24	44.45 2.96 -0.01	58.80 3.21 0.00	57.81 3.13 0.00	62.75 3.16 0.00	69.86 3.16 0.00	84.02 3.75 0.00	56.20 2.70 0.00	56.57 2.70 0.00	46.63 2.30 0.00	45.25 1.95 0.00

CHESTROR_138KV_BK263 355645	48.88 1.56 0.00	39.48 1.35 0.00	37.71 1.21 0.00	34.80 1.11 0.00	38.06 1.24 0.00	35.92 1.45 0.00	52.27 1.88 0.00	56.55 1.92 0.00	45.22 1.51 0.00	43.92 1.67 0.00	45.07 1.92 0.00	40.24 1.88 0.00	37.62 1.68 0.00	45.51 2.08 0.00	43.32 1.85 0.00	57.59 2.00 0.00	56.74 2.06 0.00	61.68 2.08 0.00	68.80 2.11 0.00	82.84 2.57 0.00	55.32 1.82 0.00	55.66 1.78 0.00	45.84 1.50 0.00	44.56 1.27 0.00
CH_MIDHUDSON___DRP 24192	49.17 1.85 0.00	39.70 1.58 0.00	37.92 1.42 0.00	34.99 1.29 0.00	38.26 1.44 0.00	36.13 1.66 0.00	52.57 2.18 0.00	56.89 2.26 0.00	45.50 1.78 0.00	44.17 1.92 0.00	45.38 2.22 0.00	40.54 2.18 0.00	37.84 1.91 0.00	45.82 2.39 0.00	43.63 2.16 0.00	57.97 2.38 0.00	57.10 2.42 0.00	62.01 2.41 0.00	69.19 2.50 0.00	83.32 3.05 0.00	55.68 2.18 0.00	55.98 2.10 0.00	46.08 1.74 0.00	44.77 1.47 0.00
CH_MISC_IPPS 23765	49.42 2.09 0.00	39.90 1.77 0.00	38.10 1.60 0.00	35.15 1.46 0.00	38.45 1.62 0.00	36.31 1.84 0.00	52.87 2.49 0.00	57.23 2.60 0.00	45.77 2.06 0.00	44.42 2.17 0.00	45.59 2.43 0.00	40.75 2.39 0.00	38.06 2.12 0.00	46.06 2.64 0.00	43.88 2.41 0.00	58.34 2.75 0.00	57.49 2.82 0.00	62.47 2.87 0.00	69.69 3.00 0.00	83.90 3.63 0.00	56.05 2.55 0.00	56.36 2.48 0.00	46.38 2.04 0.00	45.06 1.76 0.00
CH_RES_BVR_FALLS 23983	47.24 -0.08 0.00	38.05 -0.08 0.00	36.53 0.03 0.00	33.52 -0.18 0.00	36.64 -0.18 0.00	34.21 -0.26 0.00	50.17 -0.22 0.00	54.35 -0.29 0.00	43.61 -0.11 0.00	42.03 -0.22 0.00	42.72 -0.43 0.00	38.00 -0.36 0.00	35.68 -0.25 0.00	43.07 -0.36 0.00	41.28 -0.19 0.00	55.46 -0.13 0.00	54.34 -0.33 0.00	59.38 -0.22 0.00	66.38 -0.31 0.00	79.93 -0.34 0.00	53.23 -0.27 0.00	53.90 0.02 0.00	44.55 0.22 0.00	43.60 0.30 0.00
CH_RES_NIAGARA 23895	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.12 -6.27 0.00	48.49 -6.15 0.00	39.72 -4.00 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.01 -3.92 0.00	38.80 -4.62 0.00	36.90 -4.58 0.00	50.26 -5.33 0.00	50.16 -4.52 0.00	54.79 -4.81 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.05 -5.45 0.00	47.86 -6.02 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
CH_RES_SYRACUSE 23985	46.30 -1.02 0.00	37.32 -0.81 0.00	35.73 -0.77 0.00	33.00 -0.69 0.00	36.11 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.78 -0.85 0.00	43.06 -0.66 0.00	41.58 -0.67 0.00	42.53 -0.62 0.00	37.77 -0.59 0.00	35.30 -0.64 0.00	42.61 -0.82 0.00	40.69 -0.78 0.00	54.70 -0.89 0.00	54.14 -0.53 0.00	59.02 -0.58 0.00	66.04 -0.65 0.00	79.26 -1.01 0.00	52.82 -0.68 0.00	53.04 -0.84 0.00	43.56 -0.78 0.00	42.54 -0.75 0.00
CLINTON_WT_PWR 323605	47.83 0.51 0.00	38.34 0.21 0.00	36.77 0.27 0.00	33.93 0.23 0.00	37.07 0.25 0.00	34.16 -0.32 0.00	50.20 -0.19 0.00	54.48 -0.15 0.00	43.84 0.12 0.00	42.25 0.00 0.00	43.04 -0.11 0.00	38.03 -0.33 0.00	35.66 -0.27 0.00	42.89 -0.54 0.00	41.07 -0.40 0.00	55.30 -0.29 0.00	53.80 -0.87 0.00	59.08 -0.52 0.00	66.58 -0.11 0.00	80.61 0.35 0.00	53.46 -0.04 0.00	54.41 0.54 0.00	45.14 0.80 0.00	44.23 0.93 0.00
CLINTON___LFGE 323618	48.29 0.97 0.00	38.68 0.55 0.00	37.07 0.57 0.00	34.22 0.53 0.00	37.43 0.60 0.00	34.45 -0.03 0.00	50.67 0.28 0.00	55.07 0.44 0.00	44.28 0.56 0.00	42.52 0.27 0.00	43.29 0.13 0.00	38.28 -0.07 0.00	35.91 -0.02 0.00	43.16 -0.27 0.00	41.30 -0.17 0.00	55.72 0.13 0.00	54.18 -0.50 0.00	59.61 0.01 0.00	67.23 0.53 0.00	81.36 1.09 0.00	53.95 0.45 0.00	55.00 1.12 0.00	45.74 1.40 0.00	44.81 1.52 0.00
COBBLENY_34_KV_TB1 80064	44.28 -3.03 0.00	35.42 -2.71 0.00	33.93 -2.57 0.00	31.12 -2.58 0.00	34.46 -2.37 0.00	31.88 -2.59 0.00	46.66 -3.73 0.00	51.36 -3.28 0.00	41.87 -1.85 0.00	40.88 -1.37 0.00	41.38 -1.77 0.00	36.48 -1.88 0.00	33.75 -2.18 0.00	40.99 -2.44 0.00	39.03 -2.44 0.00	53.17 -2.42 0.00	53.01 -1.66 0.00	57.98 -1.62 0.00	65.32 -1.38 0.00	77.07 -3.19 0.00	50.92 -2.58 0.00	50.72 -3.16 0.00	41.54 -2.80 0.00	41.12 -2.18 0.00
COFFEEN___115KV_TB3 355620	47.24 -0.08 0.00	37.94 -0.19 0.00	36.53 0.03 0.00	32.98 -0.71 0.00	36.25 -0.58 0.00	34.25 -0.23 0.00	50.74 0.35 0.00	55.04 0.40 0.00	44.24 0.52 0.00	40.99 -1.25 0.00	42.02 -1.13 0.00	37.79 -0.57 0.00	35.02 -0.92 0.00	42.11 -1.32 0.00	40.63 -0.84 0.00	54.91 -0.68 0.00	55.21 0.54 0.00	60.78 1.18 0.00	68.16 1.47 0.00	81.96 1.69 0.00	54.64 1.14 0.00	55.49 1.61 0.00	45.67 1.33 0.00	44.51 1.21 0.00
COLDSPRG_115KV_BK1 355956	44.61 -2.71 0.00	35.73 -2.40 0.00	34.26 -2.24 0.00	31.51 -2.19 0.00	34.94 -1.89 0.00	32.48 -1.99 0.00	47.85 -2.54 0.00	52.74 -1.89 0.00	42.81 -0.90 0.00	41.73 -0.52 0.00	42.48 -0.67 0.00	37.40 -0.96 0.00	34.78 -1.16 0.00	42.07 -1.35 0.00	39.93 -1.54 0.00	54.17 -1.42 0.00	54.18 -0.49 0.00	59.38 -0.22 0.00	66.78 0.09 0.00	78.79 -1.48 0.00	52.09 -1.41 0.00	52.03 -1.85 0.00	42.55 -1.79 0.00	41.96 -1.34 0.00
COLONIE_LFGE___ 323577	48.51 1.19 0.00	39.18 1.04 0.00	37.44 0.94 0.00	34.65 0.95 0.00	37.77 0.94 0.00	35.60 1.13 0.00	51.78 1.39 0.00	55.92 1.29 0.00	44.38 0.67 0.00	42.64 0.39 0.00	43.56 0.41 0.00	39.09 0.73 0.00	36.56 0.63 0.00	44.33 0.90 0.00	42.31 0.84 0.00	56.52 0.93 0.00	56.06 1.38 0.00	60.68 1.08 0.00	67.90 1.21 0.00	82.05 1.78 0.00	54.97 1.48 0.00	54.82 0.95 0.00	44.94 0.60 0.00	43.94 0.64 0.00
COOPERNY_115KV_TB1 80082	48.37 1.05 0.00	39.05 0.92 0.00	37.32 0.81 0.00	34.44 0.74 0.00	37.67 0.84 0.00	35.48 1.01 0.00	51.69 1.30 0.00	55.97 1.34 0.00	44.77 1.06 0.00	43.42 1.17 0.00	44.49 1.34 0.00	39.70 1.34 0.00	37.10 1.17 0.00	44.88 1.45 0.00	42.77 1.30 0.00	57.00 1.41 0.00	56.20 1.52 0.00	61.12 1.52 0.00	68.26 1.57 0.00	82.19 1.92 0.00	54.87 1.37 0.00	55.21 1.33 0.00	45.45 1.11 0.00	44.24 0.94 0.00
COPENHAGEN_WT_PWR 323753	46.54 -0.78 0.00	37.38 -0.75 0.00	36.06 -0.44 0.00	32.43 -1.26 0.00	35.67 -1.16 0.00	33.72 -0.75 0.00	49.96 -0.43 0.00	54.11 -0.52 0.00	43.55 -0.16 0.00	40.62 -1.63 0.00	41.50 -1.66 0.00	37.32 -1.03 0.00	34.58 -1.36 0.00	41.66 -1.77 0.00	40.22 -1.26 0.00	54.32 -1.27 0.00	54.46 -0.22 0.00	59.79 0.19 0.00	67.07 0.38 0.00	80.70 0.43 0.00	53.84 0.34 0.00	54.85 0.98 0.00	45.23 0.89 0.00	44.14 0.85 0.00
CORNELL_____ 23752	47.15 -0.17 0.00	37.96 -0.17 0.00	36.35 -0.16 0.00	33.55 -0.15 0.00	36.75 -0.07 0.00	34.52 0.04 0.00	50.58 0.19 0.00	54.98 0.35 0.00	43.98 0.27 0.00	42.42 0.17 0.00	43.35 0.19 0.00	38.32 -0.04 0.00	35.94 0.00 0.00	43.33 -0.10 0.00	41.39 -0.08 0.00	55.62 0.03 0.00	55.45 0.77 0.00	60.54 0.94 0.00	67.85 1.16 0.00	81.34 1.07 0.00	54.16 0.66 0.00	54.35 0.48 0.00	44.62 0.28 0.00	43.56 0.26 0.00

CORONA V_69 KV_TB1 355595	49.52 2.20 0.00	40.06 1.93 0.00	38.21 1.70 0.00	35.28 1.58 0.00	38.56 1.74 0.00	36.46 1.99 0.00	52.69 2.29 0.00	57.01 2.38 0.00	45.69 1.98 0.00	44.55 2.40 0.10	46.09 2.94 0.00	41.16 2.85 0.04	38.33 2.48 0.08	46.43 3.02 0.02	44.13 2.66 0.00	58.42 2.84 0.00	57.47 2.79 0.00	62.21 2.61 0.00	69.23 2.54 0.00	83.41 3.14 0.00	55.90 2.40 0.00	56.23 2.35 0.00	46.60 2.26 0.00	45.18 1.88 0.00
CORTLAND_115KV_TB3 80093	47.08 -0.23 0.00	37.95 -0.18 0.00	36.31 -0.19 0.00	33.53 -0.17 0.00	36.68 -0.14 0.00	34.46 -0.01 0.00	50.45 0.06 0.00	54.78 0.15 0.00	43.81 0.09 0.00	42.32 0.07 0.00	43.26 0.11 0.00	38.38 0.02 0.00	35.90 -0.03 0.00	43.36 -0.07 0.00	41.38 -0.10 0.00	55.57 -0.02 0.00	55.10 0.42 0.00	60.04 0.44 0.00	67.23 0.54 0.00	80.70 0.43 0.00	53.77 0.27 0.00	54.00 0.13 0.00	44.35 0.01 0.00	43.27 -0.03 0.00
COXSACKIE__GT 23611	49.51 2.19 0.00	39.88 1.75 0.00	38.19 1.69 0.00	35.32 1.62 0.00	38.55 1.73 0.00	36.34 1.86 0.00	53.21 2.82 0.00	57.78 3.15 0.00	45.91 2.20 0.00	43.49 1.24 0.00	44.35 1.20 0.00	39.89 1.53 0.00	37.52 1.59 0.00	45.37 1.95 0.00	43.35 1.88 0.00	58.19 2.60 0.00	58.01 3.33 0.00	63.34 3.73 0.00	70.84 4.15 0.00	85.28 5.02 0.00	56.83 3.34 0.00	56.48 2.60 0.00	46.19 1.86 0.00	44.97 1.67 0.00
CPV_VALLEY__CC1 323721	48.71 1.39 0.00	39.33 1.20 0.00	37.58 1.08 0.00	34.68 0.98 0.00	37.92 1.10 0.00	35.78 1.31 0.00	52.06 1.67 0.00	56.33 1.70 0.00	45.06 1.34 0.00	43.75 1.51 0.00	44.90 1.75 0.00	40.07 1.72 0.00	37.45 1.52 0.00	45.31 1.88 0.00	43.15 1.67 0.00	57.37 1.78 0.00	56.51 1.83 0.00	61.41 1.81 0.00	68.52 1.83 0.00	82.51 2.24 0.00	55.10 1.60 0.00	55.45 1.57 0.00	45.67 1.33 0.00	44.41 1.11 0.00
CPV_VALLEY__CC2 323722	48.71 1.39 0.00	39.33 1.20 0.00	37.58 1.08 0.00	34.68 0.98 0.00	37.92 1.10 0.00	35.78 1.31 0.00	52.06 1.67 0.00	56.33 1.70 0.00	45.06 1.34 0.00	43.75 1.51 0.00	44.90 1.75 0.00	40.07 1.72 0.00	37.45 1.52 0.00	45.31 1.88 0.00	43.15 1.67 0.00	57.37 1.78 0.00	56.51 1.83 0.00	61.41 1.81 0.00	68.52 1.83 0.00	82.51 2.24 0.00	55.10 1.60 0.00	55.45 1.57 0.00	45.67 1.33 0.00	44.41 1.11 0.00
CRESCENT__HYD 24018	48.51 1.19 0.00	39.18 1.04 0.00	37.44 0.94 0.00	34.65 0.95 0.00	37.77 0.94 0.00	35.60 1.13 0.00	51.78 1.39 0.00	55.92 1.29 0.00	44.38 0.67 0.00	42.64 0.39 0.00	43.56 0.41 0.00	39.09 0.73 0.00	36.56 0.63 0.00	44.33 0.90 0.00	42.31 0.84 0.00	56.52 0.93 0.00	56.06 1.38 0.00	60.68 1.08 0.00	67.90 1.21 0.00	82.05 1.78 0.00	54.97 1.48 0.00	54.82 0.95 0.00	44.94 0.60 0.00	43.94 0.64 0.00
CRICKET__VALLEY_CC1 323756	48.68 1.36 0.00	39.33 1.20 0.00	37.56 1.05 0.00	34.65 0.96 0.00	37.89 1.06 0.00	35.78 1.31 0.00	52.02 1.63 0.00	56.26 1.62 0.00	45.01 1.30 0.00	43.73 1.48 0.00	44.90 1.75 0.00	40.14 1.78 0.00	37.48 1.55 0.00	45.36 1.93 0.00	43.19 1.72 0.00	57.31 1.72 0.00	56.40 1.73 0.00	61.21 1.60 0.00	68.26 1.57 0.00	82.22 1.96 0.00	54.96 1.46 0.00	55.25 1.37 0.00	45.50 1.16 0.00	44.22 0.92 0.00
CRICKET__VALLEY_CC2 323757	48.68 1.36 0.00	39.33 1.20 0.00	37.56 1.05 0.00	34.65 0.96 0.00	37.89 1.06 0.00	35.78 1.31 0.00	52.02 1.63 0.00	56.26 1.62 0.00	45.01 1.30 0.00	43.73 1.48 0.00	44.90 1.75 0.00	40.14 1.78 0.00	37.48 1.55 0.00	45.36 1.93 0.00	43.19 1.72 0.00	57.31 1.72 0.00	56.40 1.73 0.00	61.21 1.60 0.00	68.26 1.57 0.00	82.22 1.96 0.00	54.96 1.46 0.00	55.25 1.37 0.00	45.50 1.16 0.00	44.22 0.92 0.00
CRICKET__VALLEY_CC3 323758	48.68 1.36 0.00	39.33 1.20 0.00	37.56 1.05 0.00	34.65 0.96 0.00	37.89 1.06 0.00	35.78 1.31 0.00	52.02 1.63 0.00	56.26 1.62 0.00	45.01 1.30 0.00	43.73 1.48 0.00	44.90 1.75 0.00	40.14 1.78 0.00	37.48 1.55 0.00	45.36 1.93 0.00	43.19 1.72 0.00	57.31 1.72 0.00	56.40 1.73 0.00	61.21 1.60 0.00	68.26 1.57 0.00	82.22 1.96 0.00	54.96 1.46 0.00	55.25 1.37 0.00	45.50 1.16 0.00	44.22 0.92 0.00
CRUCIBLE_METL_DRP 24180	46.30 -1.02 0.00	37.32 -0.81 0.00	35.74 -0.77 0.00	33.00 -0.69 0.00	36.11 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.78 -0.85 0.00	43.06 -0.66 0.00	41.58 -0.67 0.00	42.53 -0.62 0.00	37.77 -0.59 0.00	35.30 -0.64 0.00	42.61 -0.82 0.00	40.69 -0.78 0.00	54.70 -0.89 0.00	54.14 -0.54 0.00	59.01 -0.59 0.00	66.04 -0.65 0.00	79.25 -1.01 0.00	52.81 -0.68 0.00	53.04 -0.83 0.00	43.56 -0.78 0.00	42.54 -0.75 0.00
DAHOWA__HYDRO 323763	49.16 1.84 0.00	39.67 1.54 0.00	37.88 1.38 0.00	35.07 1.37 0.00	38.23 1.41 0.00	36.10 1.63 0.00	52.57 2.18 0.00	56.79 2.16 0.00	44.92 1.21 0.00	43.01 0.75 0.00	43.99 0.84 0.00	39.57 1.21 0.00	36.97 1.03 0.00	44.95 1.52 0.00	42.91 1.44 0.00	57.47 1.88 0.00	57.17 2.50 0.00	61.91 2.31 0.00	69.28 2.59 0.00	83.72 3.46 0.00	56.08 2.59 0.00	55.81 1.93 0.00	45.77 1.43 0.00	44.75 1.45 0.00
DANC__LFGE 323619	46.27 -1.06 0.00	37.21 -0.92 0.00	35.78 -0.73 0.00	32.52 -1.18 0.00	35.65 -1.17 0.00	33.59 -0.88 0.00	49.49 -0.90 0.00	53.66 -0.97 0.00	43.15 -0.57 0.00	40.79 -1.46 0.00	41.70 -1.45 0.00	37.34 -1.02 0.00	34.69 -1.24 0.00	41.83 -1.60 0.00	40.17 -1.30 0.00	54.09 -1.50 0.00	53.92 -0.76 0.00	59.05 -0.55 0.00	66.19 -0.50 0.00	79.57 -0.70 0.00	53.10 -0.39 0.00	53.90 0.02 0.00	44.41 0.07 0.00	43.33 0.03 0.00
DANSKAMMER__1 23586	49.42 2.09 0.00	39.90 1.77 0.00	38.10 1.60 0.00	35.15 1.46 0.00	38.45 1.62 0.00	36.31 1.84 0.00	52.87 2.49 0.00	57.23 2.60 0.00	45.77 2.06 0.00	44.42 2.17 0.00	45.59 2.43 0.00	40.75 2.39 0.00	38.06 2.12 0.00	46.06 2.64 0.00	43.88 2.41 0.00	58.34 2.75 0.00	57.49 2.82 0.00	62.47 2.87 0.00	69.69 3.00 0.00	83.90 3.63 0.00	56.05 2.55 0.00	56.36 2.48 0.00	46.38 2.04 0.00	45.06 1.76 0.00
DANSKAMMER__2 23589	49.42 2.09 0.00	39.90 1.77 0.00	38.10 1.60 0.00	35.15 1.46 0.00	38.45 1.62 0.00	36.31 1.84 0.00	52.87 2.49 0.00	57.23 2.60 0.00	45.77 2.06 0.00	44.42 2.17 0.00	45.59 2.43 0.00	40.75 2.39 0.00	38.06 2.12 0.00	46.06 2.64 0.00	43.88 2.41 0.00	58.34 2.75 0.00	57.49 2.82 0.00	62.47 2.87 0.00	69.69 3.00 0.00	83.90 3.63 0.00	56.05 2.55 0.00	56.36 2.48 0.00	46.38 2.04 0.00	45.06 1.76 0.00
DANSKAMMER__3 23590	49.42 2.09 0.00	39.90 1.77 0.00	38.10 1.60 0.00	35.15 1.46 0.00	38.45 1.62 0.00	36.31 1.84 0.00	52.87 2.49 0.00	57.23 2.60 0.00	45.77 2.06 0.00	44.42 2.17 0.00	45.59 2.43 0.00	40.75 2.39 0.00	38.06 2.12 0.00	46.06 2.64 0.00	43.88 2.41 0.00	58.34 2.75 0.00	57.49 2.82 0.00	62.47 2.87 0.00	69.69 3.00 0.00	83.90 3.63 0.00	56.05 2.55 0.00	56.36 2.48 0.00	46.38 2.04 0.00	45.06 1.76 0.00

DANSKAMMER___4 23591	49.42 2.09 0.00	39.90 1.77 0.00	38.10 1.60 0.00	35.15 1.46 0.00	38.45 1.62 0.00	36.31 1.84 0.00	52.87 2.49 0.00	57.23 2.60 0.00	45.77 2.06 0.00	44.42 2.17 0.00	45.59 2.43 0.00	40.75 2.39 0.00	38.06 2.12 0.00	46.06 2.64 0.00	43.88 2.41 0.00	58.34 2.75 0.00	57.49 2.82 0.00	62.47 2.87 0.00	69.69 3.00 0.00	83.90 3.63 0.00	56.05 2.55 0.00	56.36 2.48 0.00	46.38 2.04 0.00	45.06 1.76 0.00
DANSKAMMER___DIESEL 23592	49.41 2.09 0.00	39.90 1.77 0.00	38.10 1.60 0.00	35.15 1.46 0.00	38.45 1.62 0.00	36.32 1.84 0.00	52.88 2.49 0.00	57.24 2.61 0.00	45.77 2.06 0.00	44.41 2.16 0.00	45.59 2.43 0.00	40.75 2.39 0.00	38.06 2.12 0.00	46.06 2.64 0.00	43.88 2.41 0.00	58.35 2.76 0.00	57.49 2.82 0.00	62.48 2.88 0.00	69.69 2.99 0.00	83.90 3.63 0.00	56.05 2.56 0.00	56.36 2.48 0.00	46.38 2.04 0.00	45.06 1.76 0.00
DARBY___SOLAR 323810	49.00 1.68 0.00	39.54 1.41 0.00	37.77 1.27 0.00	34.95 1.26 0.00	38.12 1.29 0.00	35.98 1.50 0.00	52.37 1.99 0.00	56.56 1.92 0.00	44.77 1.06 0.00	42.88 0.63 0.00	43.88 0.72 0.00	39.47 1.11 0.00	36.85 0.92 0.00	44.79 1.36 0.00	42.77 1.30 0.00	57.25 1.66 0.00	56.93 2.25 0.00	61.64 2.04 0.00	68.97 2.28 0.00	83.33 3.07 0.00	55.81 2.32 0.00	55.61 1.73 0.00	45.60 1.26 0.00	44.58 1.28 0.00
DASHVILLE___HYD 23610	48.89 1.57 0.00	39.48 1.35 0.00	37.70 1.20 0.00	34.80 1.10 0.00	38.06 1.23 0.00	35.92 1.44 0.00	52.26 1.87 0.00	56.57 1.94 0.00	45.25 1.54 0.00	43.86 1.61 0.00	45.00 1.85 0.00	40.27 1.92 0.00	37.62 1.69 0.00	45.56 2.13 0.00	43.38 1.90 0.00	57.64 2.05 0.00	56.76 2.09 0.00	61.66 2.06 0.00	68.80 2.11 0.00	82.89 2.63 0.00	55.38 1.88 0.00	55.71 1.83 0.00	45.85 1.51 0.00	44.54 1.24 0.00
DELAWARE___LFGE 323621	48.10 0.78 0.00	38.82 0.69 0.00	37.13 0.63 0.00	34.26 0.57 0.00	37.48 0.66 0.00	35.20 0.73 0.00	51.40 1.01 0.00	55.74 1.11 0.00	44.61 0.89 0.00	43.19 0.94 0.00	44.21 1.06 0.00	39.37 1.01 0.00	36.82 0.88 0.00	44.49 1.06 0.00	42.43 0.96 0.00	56.77 1.18 0.00	56.01 1.33 0.00	60.82 1.22 0.00	68.06 1.36 0.00	81.98 1.72 0.00	54.72 1.22 0.00	55.03 1.15 0.00	45.26 0.92 0.00	44.11 0.81 0.00
DERFIELD_115KV_TB7 355931	47.35 0.03 0.00	38.19 0.06 0.00	36.54 0.04 0.00	33.73 0.04 0.00	36.86 0.03 0.00	34.58 0.11 0.00	50.51 0.12 0.00	54.70 0.07 0.00	43.71 0.00 0.00	42.23 -0.02 0.00	43.16 0.00 0.00	38.43 0.08 0.00	35.99 0.06 0.00	43.52 0.09 0.00	41.54 0.06 0.00	55.64 0.05 0.00	54.86 0.19 0.00	59.70 0.10 0.00	66.76 0.07 0.00	80.41 0.14 0.00	53.65 0.15 0.00	53.90 0.02 0.00	44.34 0.00 0.00	43.27 -0.03 0.00
DOGLEVILLE___HYD 23807	49.31 1.99 0.00	39.85 1.72 0.00	38.16 1.65 0.00	35.34 1.64 0.00	38.47 1.64 0.00	36.27 1.79 0.00	52.93 2.54 0.00	56.88 2.25 0.00	44.77 1.05 0.00	42.94 0.69 0.00	43.95 0.80 0.00	39.30 0.94 0.00	36.87 0.93 0.00	44.79 1.37 0.00	42.51 1.04 0.00	57.53 1.94 0.00	57.65 2.98 0.00	62.66 3.06 0.00	70.28 3.59 0.00	84.97 4.70 0.00	56.77 3.28 0.00	56.61 2.73 0.00	46.52 2.18 0.00	45.39 2.09 0.00
DUNKIRK___115KV_TB_200 55889	43.71 -3.61 0.00	35.00 -3.13 0.00	33.56 -2.95 0.00	30.82 -2.88 0.00	34.17 -2.66 0.00	31.70 -2.78 0.00	46.49 -3.90 0.00	51.22 -3.42 0.00	41.68 -2.03 0.00	40.71 -1.54 0.00	41.38 -1.77 0.00	36.50 -1.86 0.00	33.91 -2.02 0.00	41.11 -2.32 0.00	38.96 -2.51 0.00	52.90 -2.69 0.00	52.95 -1.72 0.00	57.97 -1.63 0.00	65.23 -1.46 0.00	76.87 -3.39 0.00	50.84 -2.65 0.00	50.82 -3.05 0.00	41.59 -2.74 0.00	41.11 -2.18 0.00
DUNKIRK___1 23563	43.71 -3.61 0.00	35.00 -3.13 0.00	33.56 -2.95 0.00	30.82 -2.88 0.00	34.17 -2.66 0.00	31.70 -2.78 0.00	46.49 -3.90 0.00	51.22 -3.42 0.00	41.68 -2.03 0.00	40.71 -1.54 0.00	41.38 -1.77 0.00	36.50 -1.86 0.00	33.91 -2.02 0.00	41.11 -2.32 0.00	38.96 -2.51 0.00	52.90 -2.69 0.00	52.95 -1.72 0.00	57.97 -1.63 0.00	65.23 -1.46 0.00	76.87 -3.39 0.00	50.84 -2.65 0.00	50.82 -3.05 0.00	41.59 -2.74 0.00	41.11 -2.18 0.00
DUNKIRK___2 23564	43.71 -3.61 0.00	35.00 -3.13 0.00	33.56 -2.95 0.00	30.82 -2.88 0.00	34.17 -2.66 0.00	31.70 -2.78 0.00	46.49 -3.90 0.00	51.22 -3.42 0.00	41.68 -2.03 0.00	40.71 -1.54 0.00	41.38 -1.77 0.00	36.50 -1.86 0.00	33.91 -2.02 0.00	41.11 -2.32 0.00	38.96 -2.51 0.00	52.90 -2.69 0.00	52.95 -1.72 0.00	57.97 -1.63 0.00	65.23 -1.46 0.00	76.87 -3.39 0.00	50.84 -2.65 0.00	50.82 -3.05 0.00	41.59 -2.74 0.00	41.11 -2.18 0.00
DUNKIRK___3 23565	43.83 -3.49 0.00	35.10 -3.03 0.00	33.63 -2.87 0.00	30.88 -2.82 0.00	34.20 -2.63 0.00	31.70 -2.78 0.00	46.45 -3.94 0.00	51.10 -3.53 0.00	41.57 -2.14 0.00	40.60 -1.65 0.00	41.25 -1.90 0.00	36.39 -1.97 0.00	33.77 -2.17 0.00	40.94 -2.49 0.00	38.83 -2.64 0.00	52.74 -2.85 0.00	52.73 -1.95 0.00	57.69 -1.91 0.00	64.93 -1.76 0.00	76.59 -3.68 0.00	50.64 -2.85 0.00	50.60 -3.28 0.00	41.45 -2.89 0.00	40.99 -2.31 0.00
DUNKIRK___4 23566	43.83 -3.49 0.00	35.10 -3.03 0.00	33.63 -2.87 0.00	30.88 -2.82 0.00	34.20 -2.63 0.00	31.70 -2.78 0.00	46.45 -3.94 0.00	51.10 -3.53 0.00	41.57 -2.14 0.00	40.60 -1.65 0.00	41.25 -1.90 0.00	36.39 -1.97 0.00	33.77 -2.17 0.00	40.94 -2.49 0.00	38.83 -2.64 0.00	52.74 -2.85 0.00	52.73 -1.95 0.00	57.69 -1.91 0.00	64.93 -1.76 0.00	76.59 -3.68 0.00	50.64 -2.85 0.00	50.60 -3.28 0.00	41.45 -2.89 0.00	40.99 -2.31 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	49.38 2.06 0.00	39.88 1.75 0.00	38.07 1.57 0.00	35.13 1.43 0.00	38.43 1.61 0.00	36.33 1.86 0.00	52.81 2.42 0.00	57.13 2.49 0.00	45.75 2.04 0.00	44.51 2.30 0.03	45.78 2.62 0.00	40.90 2.56 0.01	38.16 2.25 0.02	46.20 2.78 0.00	43.96 2.49 0.00	58.28 2.69 0.00	57.33 2.66 0.00	62.21 2.61 0.00	69.32 2.63 0.00	83.44 3.18 0.00	55.81 2.31 0.00	56.18 2.30 0.00	46.31 1.98 0.00	44.97 1.67 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	49.14 1.82 0.00	39.68 1.55 0.00	37.90 1.39 0.00	34.97 1.27 0.00	38.25 1.43 0.00	36.12 1.64 0.00	52.57 2.18 0.00	56.89 2.26 0.00	45.50 1.79 0.00	44.17 1.92 0.00	45.31 2.16 0.00	40.49 2.13 0.00	37.83 1.90 0.00	45.79 2.36 0.00	43.58 2.11 0.00	57.96 2.37 0.00	57.11 2.43 0.00	62.07 2.46 0.00	69.26 2.57 0.00	83.37 3.11 0.00	55.68 2.18 0.00	56.01 2.13 0.00	46.12 1.78 0.00	44.81 1.51 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	49.65 2.33 0.00	40.17 2.04 0.00	38.34 1.83 0.00	35.37 1.67 0.00	38.70 1.88 0.00	36.60 2.13 0.00	53.06 2.67 0.00	57.50 2.87 0.00	46.09 2.38 0.00	46.48 2.47 -1.76	45.91 2.75 -0.01	41.61 2.52 -0.73	39.47 2.20 -1.33	46.54 2.80 -0.31	44.05 2.56 -0.02	58.38 2.78 0.00	57.37 2.69 0.00	62.30 2.71 0.00	69.36 2.67 0.00	83.55 3.28 0.00	55.99 2.49 0.00	56.30 2.42 0.00	46.46 2.12 0.00	45.04 1.74 0.00

E179THST_13_KV_LOAD 356214	49.83 2.51 0.00	40.30 2.17 0.00	38.46 1.96 0.00	35.48 1.78 0.00	38.83 2.00 0.00	36.72 2.25 0.00	53.26 2.87 0.00	57.73 3.10 0.00	46.30 2.58 0.00	46.66 2.65 -1.76	46.12 2.95 -0.01	41.80 2.71 -0.73	39.64 2.37 -1.33	46.73 3.00 -0.31	44.26 2.77 -0.02	58.65 3.06 0.00	57.64 2.96 0.00	62.63 3.03 0.00	69.70 3.01 0.00	83.95 3.69 0.00	56.24 2.75 0.00	56.55 2.67 0.00	46.67 2.33 0.00	45.22 1.92 0.00
EAST HAMPTON___GT 23717	46.83 -0.50 0.00	38.06 -0.07 0.00	36.31 -0.19 0.00	33.54 -0.15 0.00	36.68 -0.14 0.00	34.96 0.48 0.00	49.08 -0.54 0.78	-37.16 -0.23 91.56	-63.82 0.59 108.13	-0.59 -0.08 42.76	-0.59 0.54 44.28	23.02 0.91 16.25	-1.90 0.54 38.38	-15.18 0.70 59.31	10.31 0.35 31.52	3.73 -0.30 51.57	4.02 -0.31 50.34	14.89 -0.64 44.07	19.48 -1.11 46.10	26.43 -0.80 53.03	-4.19 -0.43 57.25	-27.86 -0.35 81.39	-16.74 0.11 61.19	-16.63 -0.31 59.61
EAST RIVER___6 23660	49.67 2.35 0.00	40.06 1.93 0.00	38.23 1.73 0.00	35.26 1.57 0.00	38.62 1.79 0.00	36.61 2.13 0.00	53.15 2.76 0.00	57.51 2.88 0.00	46.11 2.40 0.00	46.27 2.66 -1.35	46.15 2.99 -0.01	41.83 2.91 -0.56	39.55 2.59 -1.02	46.86 3.19 -0.24	44.36 2.87 -0.01	58.69 3.10 0.00	57.71 3.04 0.00	62.64 3.04 0.00	69.72 3.03 0.00	83.86 3.59 0.00	56.08 2.58 0.00	56.46 2.58 0.00	46.52 2.18 0.00	45.13 1.83 0.00
EAST RIVER___7 23524	49.67 2.35 0.00	40.06 1.93 0.00	38.23 1.73 0.00	35.26 1.57 0.00	38.62 1.79 0.00	36.61 2.13 0.00	53.15 2.76 0.00	57.51 2.88 0.00	46.11 2.40 0.00	46.27 2.66 -1.35	46.15 2.99 -0.01	41.83 2.91 -0.56	39.55 2.59 -1.02	46.86 3.19 -0.24	44.36 2.87 -0.01	58.69 3.10 0.00	57.71 3.04 0.00	62.64 3.04 0.00	69.72 3.03 0.00	83.86 3.59 0.00	56.08 2.58 0.00	56.46 2.58 0.00	46.52 2.18 0.00	45.13 1.83 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	49.25 1.93 0.00	39.78 1.65 0.00	37.97 1.47 0.00	35.03 1.34 0.00	38.33 1.50 0.00	36.23 1.75 0.00	52.66 2.27 0.00	56.97 2.34 0.00	45.60 1.89 0.00	44.40 2.11 -0.05	45.58 2.43 0.00	40.75 2.37 -0.02	38.06 2.09 -0.04	46.02 2.58 -0.01	43.78 2.31 0.00	58.07 2.48 0.00	57.14 2.47 0.00	62.05 2.44 0.00	69.14 2.45 0.00	83.25 2.99 0.00	55.63 2.13 0.00	55.99 2.12 0.00	46.16 1.82 0.00	44.83 1.53 0.00
EAST_HAMPTON___DIESEL 23722	46.67 -0.65 0.00	37.93 -0.20 0.00	36.18 -0.32 0.00	33.43 -0.27 0.00	36.55 -0.27 0.00	34.84 0.36 0.00	48.91 -0.71 0.78	-37.29 -0.38 91.54	-63.86 0.53 108.10	-0.71 -0.21 42.75	-0.72 0.39 44.27	22.89 0.77 16.24	-2.02 0.42 38.37	-15.31 0.56 59.30	10.18 0.21 31.51	3.56 -0.48 51.55	3.84 -0.50 50.33	14.68 -0.87 44.05	19.26 -1.35 46.09	26.19 -1.06 53.02	-4.33 -0.59 57.24	-28.00 -0.50 81.37	-16.87 -0.03 61.18	-16.75 -0.45 59.60
EAST_POINT___SOLAR 323840	48.28 0.96 0.00	38.91 0.78 0.00	37.29 0.78 0.00	34.38 0.68 0.00	37.64 0.81 0.00	35.26 0.78 0.00	51.78 1.39 0.00	56.24 1.60 0.00	44.53 0.81 0.00	42.79 0.54 0.00	43.30 0.14 0.00	38.76 0.40 0.00	36.10 0.16 0.00	43.74 0.32 0.00	41.83 0.36 0.00	56.67 1.08 0.00	56.40 1.73 0.00	61.74 2.14 0.00	69.30 2.60 0.00	83.38 3.11 0.00	55.44 1.94 0.00	55.83 1.95 0.00	46.04 1.70 0.00	44.85 1.55 0.00
EAST_PULASKI___ESR 323781	46.02 -1.30 0.00	37.07 -1.07 0.00	35.52 -0.98 0.00	32.62 -1.08 0.00	35.67 -1.16 0.00	33.51 -0.97 0.00	49.12 -1.27 0.00	53.33 -1.30 0.00	42.80 -0.92 0.00	41.00 -1.25 0.00	41.90 -1.25 0.00	37.35 -1.01 0.00	34.82 -1.11 0.00	42.01 -1.42 0.00	40.14 -1.33 0.00	53.86 -1.73 0.00	53.43 -1.24 0.00	58.34 -1.27 0.00	65.32 -1.37 0.00	78.47 -1.80 0.00	52.39 -1.11 0.00	52.97 -0.91 0.00	43.62 -0.72 0.00	42.56 -0.74 0.00
EAST_RIVER___1 323558	49.68 2.36 0.00	40.12 1.99 0.00	38.29 1.79 0.00	35.32 1.62 0.00	38.65 1.83 0.00	36.58 2.10 0.00	53.17 2.78 0.00	57.53 2.90 0.00	46.11 2.39 0.00	46.25 2.64 -1.35	46.13 2.97 -0.01	41.79 2.87 -0.56	39.50 2.55 -1.02	46.78 3.12 -0.24	44.30 2.81 -0.01	58.60 3.01 0.00	57.63 2.96 0.00	62.54 2.94 0.00	69.64 2.95 0.00	83.78 3.51 0.00	56.05 2.55 0.00	56.44 2.57 0.00	46.53 2.19 0.00	45.14 1.84 0.00
EAST_RIVER___2 323559	49.67 2.35 0.00	40.06 1.93 0.00	38.23 1.73 0.00	35.26 1.57 0.00	38.62 1.79 0.00	36.61 2.13 0.00	53.15 2.76 0.00	57.51 2.88 0.00	46.11 2.40 0.00	46.27 2.66 -1.35	46.15 2.99 -0.01	41.83 2.91 -0.56	39.55 2.59 -1.02	46.86 3.19 -0.24	44.36 2.87 -0.01	58.69 3.10 0.00	57.71 3.04 0.00	62.64 3.04 0.00	69.72 3.03 0.00	83.86 3.59 0.00	56.08 2.58 0.00	56.46 2.58 0.00	46.52 2.18 0.00	45.13 1.83 0.00
EAST___DELAWARE_HYD 23607	48.28 0.96 0.00	38.97 0.84 0.00	37.23 0.73 0.00	34.36 0.67 0.00	37.61 0.78 0.00	35.49 1.02 0.00	51.76 1.37 0.00	56.02 1.39 0.00	44.61 0.90 0.00	43.16 0.91 0.00	44.23 1.08 0.00	39.55 1.19 0.00	36.91 0.98 0.00	44.76 1.33 0.00	42.67 1.20 0.00	56.80 1.22 0.00	56.07 1.39 0.00	61.06 1.47 0.00	68.19 1.50 0.00	82.11 1.85 0.00	54.81 1.31 0.00	55.11 1.23 0.00	45.35 1.01 0.00	44.06 0.76 0.00
EIGHT_POINT___WT_PWR 323820	42.45 -4.87 0.00	34.07 -4.07 0.00	32.61 -3.89 0.00	29.96 -3.74 0.00	33.14 -3.69 0.00	30.93 -3.54 0.00	45.72 -4.67 0.00	50.31 -4.32 0.00	40.34 -3.38 0.00	38.92 -3.33 0.00	39.55 -3.60 0.00	34.99 -3.36 0.00	32.33 -3.60 0.00	39.51 -3.92 0.00	37.67 -3.81 0.00	52.08 -3.51 0.00	52.74 -1.93 0.00	58.24 -1.36 0.00	65.77 -0.92 0.00	77.51 -2.76 0.00	50.97 -2.52 0.00	50.66 -3.21 0.00	41.63 -2.71 0.00	41.39 -1.91 0.00
ELBRIDGE_115KV_TB2 80188	46.04 -1.29 0.00	37.11 -1.03 0.00	35.55 -0.95 0.00	32.84 -0.86 0.00	35.93 -0.90 0.00	33.71 -0.77 0.00	49.30 -1.09 0.00	53.47 -1.17 0.00	42.85 -0.86 0.00	41.37 -0.88 0.00	42.33 -0.83 0.00	37.61 -0.75 0.00	35.12 -0.81 0.00	42.38 -1.05 0.00	40.47 -1.00 0.00	54.44 -1.15 0.00	53.87 -0.80 0.00	58.72 -0.88 0.00	65.73 -0.96 0.00	78.86 -1.41 0.00	52.55 -0.95 0.00	52.72 -1.16 0.00	43.28 -1.06 0.00	42.31 -0.99 0.00
ELEC_TRO_TEK 24086	49.35 2.03 0.00	39.92 1.79 0.00	38.08 1.58 0.00	35.14 1.45 0.00	38.42 1.60 0.00	36.35 1.88 0.00	52.38 2.11 0.12	54.34 2.23 2.52	44.69 1.85 0.88	44.20 2.24 0.29	45.93 2.77 0.00	41.01 2.70 0.04	38.18 2.32 0.08	46.20 2.79 0.02	43.89 2.47 0.06	57.23 2.57 0.93	55.90 2.54 1.31	60.94 2.40 1.06	68.77 2.33 0.25	83.16 2.89 0.00	55.68 2.19 0.00	55.33 2.16 0.71	46.46 2.13 0.00	45.03 1.73 0.00
ELLENBURG_WT_PWR 323604	47.83 0.51 0.00	38.34 0.21 0.00	36.77 0.27 0.00	33.93 0.23 0.00	37.07 0.25 0.00	34.16 -0.32 0.00	50.20 -0.19 0.00	54.48 -0.15 0.00	43.84 0.12 0.00	42.25 0.00 0.00	43.04 -0.11 0.00	38.03 -0.33 0.00	35.66 -0.27 0.00	42.89 -0.54 0.00	41.07 -0.40 0.00	55.30 -0.29 0.00	53.80 -0.87 0.00	59.08 -0.52 0.00	66.58 -0.11 0.00	80.61 0.35 0.00	53.46 -0.04 0.00	54.41 0.54 0.00	45.14 0.80 0.00	44.23 0.93 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	43.96 -3.36 0.00	35.17 -2.96 0.00	33.68 -2.82 0.00	30.90 -2.80 0.00	34.23 -2.60 0.00	31.62 -2.85 0.00	46.19 -4.20 0.00	50.84 -3.79 0.00	41.50 -2.21 0.00	40.56 -1.69 0.00	41.07 -2.09 0.00	36.22 -2.14 0.00	33.52 -2.42 0.00	40.67 -2.76 0.00	38.66 -2.82 0.00	52.60 -2.99 0.00	52.50 -2.17 0.00	57.39 -2.21 0.00	64.63 -2.06 0.00	76.23 -4.03 0.00	50.40 -3.10 0.00	50.23 -3.65 0.00	41.15 -3.19 0.00	40.76 -2.53 0.00
EMPIRE_CC_1 323656	47.85 0.53 0.00	38.71 0.57 0.00	37.01 0.51 0.00	34.28 0.58 0.00	37.32 0.49 0.00	35.16 0.69 0.00	51.04 0.65 0.00	55.04 0.41 0.00	43.77 0.06 0.00	42.11 -0.14 0.00	43.04 -0.11 0.00	38.62 0.26 0.00	36.14 0.20 0.00	43.75 0.32 0.00	41.75 0.28 0.00	55.69 0.09 0.00	55.05 0.38 0.00	59.52 -0.08 0.00	66.60 -0.09 0.00	80.50 0.23 0.00	53.97 0.48 0.00	53.90 0.02 0.00	44.21 -0.13 0.00	43.22 -0.08 0.00
EMPIRE_CC_2 323658	47.85 0.53 0.00	38.71 0.57 0.00	37.01 0.51 0.00	34.28 0.58 0.00	37.32 0.49 0.00	35.16 0.69 0.00	51.04 0.65 0.00	55.04 0.41 0.00	43.77 0.06 0.00	42.11 -0.14 0.00	43.04 -0.11 0.00	38.62 0.26 0.00	36.14 0.20 0.00	43.75 0.32 0.00	41.75 0.28 0.00	55.69 0.09 0.00	55.05 0.38 0.00	59.52 -0.08 0.00	66.60 -0.09 0.00	80.50 0.23 0.00	53.97 0.48 0.00	53.90 0.02 0.00	44.21 -0.13 0.00	43.22 -0.08 0.00
ENORWICH_115KV_TB1 80156	47.86 0.54 0.00	38.49 0.36 0.00	36.86 0.36 0.00	33.99 0.29 0.00	37.45 0.62 0.00	35.22 0.74 0.00	51.81 1.42 0.00	56.34 1.70 0.00	44.92 1.21 0.00	43.17 0.93 0.00	44.19 1.04 0.00	38.96 0.60 0.00	36.47 0.53 0.00	43.45 0.02 0.00	41.72 0.25 0.00	56.65 1.06 0.00	57.39 2.72 0.00	62.76 3.16 0.00	70.46 3.77 0.00	84.84 4.58 0.00	56.63 3.13 0.00	56.89 3.02 0.00	46.76 2.42 0.00	45.64 2.34 0.00
ERIE_ST__34_KV_TB1-2 80199	44.37 -2.95 0.00	35.51 -2.62 0.00	33.99 -2.51 0.00	31.17 -2.52 0.00	34.52 -2.31 0.00	31.93 -2.55 0.00	46.74 -3.65 0.00	51.45 -3.18 0.00	41.92 -1.79 0.00	40.96 -1.29 0.00	41.44 -1.72 0.00	36.54 -1.81 0.00	33.81 -2.12 0.00	41.05 -2.38 0.00	39.04 -2.43 0.00	53.12 -2.47 0.00	53.02 -1.66 0.00	57.98 -1.62 0.00	65.26 -1.43 0.00	77.05 -3.21 0.00	50.92 -2.58 0.00	50.73 -3.15 0.00	41.56 -2.78 0.00	41.09 -2.21 0.00
ERIE_WT_PWR 323693	44.05 -3.27 0.00	35.25 -2.89 0.00	33.76 -2.74 0.00	30.96 -2.74 0.00	34.27 -2.55 0.00	31.71 -2.76 0.00	46.38 -4.01 0.00	51.03 -3.61 0.00	41.63 -2.08 0.00	40.68 -1.57 0.00	41.21 -1.95 0.00	36.33 -2.03 0.00	33.60 -2.34 0.00	40.80 -2.62 0.00	38.81 -2.67 0.00	52.86 -2.73 0.00	52.78 -1.90 0.00	57.70 -1.90 0.00	65.04 -1.65 0.00	76.76 -3.51 0.00	50.71 -2.79 0.00	50.50 -3.38 0.00	41.39 -2.95 0.00	41.00 -2.30 0.00
ESPRGFLD_115KV_TB1 80157	47.37 0.05 0.00	38.18 0.05 0.00	36.61 0.11 0.00	33.72 0.02 0.00	36.93 0.10 0.00	34.52 0.05 0.00	50.63 0.24 0.00	55.13 0.50 0.00	44.26 0.54 0.00	42.83 0.58 0.00	43.81 0.65 0.00	38.78 0.42 0.00	36.18 0.24 0.00	43.66 0.23 0.00	41.75 0.27 0.00	56.15 0.56 0.00	55.37 0.70 0.00	60.42 0.82 0.00	67.78 1.09 0.00	81.59 1.32 0.00	54.23 0.74 0.00	54.81 0.94 0.00	45.26 0.93 0.00	44.13 0.83 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	47.14 -0.18 0.00	37.95 -0.18 0.00	36.34 -0.16 0.00	33.55 -0.15 0.00	36.75 -0.08 0.00	34.51 0.03 0.00	50.57 0.18 0.00	54.94 0.31 0.00	43.93 0.22 0.00	42.39 0.14 0.00	43.32 0.16 0.00	38.33 -0.03 0.00	35.93 -0.01 0.00	43.30 -0.13 0.00	41.38 -0.09 0.00	55.59 0.00 0.00	55.37 0.70 0.00	60.44 0.84 0.00	67.72 1.03 0.00	81.23 0.96 0.00	54.09 0.59 0.00	54.29 0.41 0.00	44.57 0.24 0.00	43.52 0.22 0.00
ETNA____115KV_TB2 80207	47.14 -0.18 0.00	37.95 -0.18 0.00	36.34 -0.16 0.00	33.55 -0.15 0.00	36.75 -0.08 0.00	34.51 0.03 0.00	50.57 0.18 0.00	54.94 0.31 0.00	43.93 0.22 0.00	42.39 0.14 0.00	43.32 0.16 0.00	38.33 -0.03 0.00	35.93 -0.01 0.00	43.30 -0.13 0.00	41.38 -0.09 0.00	55.59 0.00 0.00	55.37 0.70 0.00	60.44 0.84 0.00	67.72 1.03 0.00	81.23 0.96 0.00	54.09 0.59 0.00	54.29 0.41 0.00	44.57 0.24 0.00	43.52 0.22 0.00
EUCLID__115KV_TB2 356179	45.86 -1.46 0.00	36.95 -1.18 0.00	35.37 -1.13 0.00	32.66 -1.03 0.00	35.72 -1.10 0.00	33.51 -0.97 0.00	48.98 -1.41 0.00	53.20 -1.43 0.00	42.63 -1.08 0.00	41.21 -1.04 0.00	42.09 -1.07 0.00	37.42 -0.94 0.00	34.95 -0.98 0.00	42.25 -1.18 0.00	40.33 -1.15 0.00	54.17 -1.42 0.00	53.57 -1.11 0.00	58.35 -1.25 0.00	65.30 -1.39 0.00	78.37 -1.89 0.00	52.23 -1.26 0.00	52.49 -1.39 0.00	43.11 -1.23 0.00	42.09 -1.21 0.00
E_CANADA_CAP_HY 24051	47.15 -0.17 0.00	38.01 -0.12 0.00	36.47 -0.03 0.00	33.60 -0.09 0.00	36.78 -0.05 0.00	34.33 -0.15 0.00	50.36 -0.03 0.00	54.76 0.13 0.00	43.76 0.04 0.00	42.21 -0.04 0.00	43.12 -0.03 0.00	38.23 -0.13 0.00	35.64 -0.30 0.00	43.10 -0.33 0.00	41.26 -0.21 0.00	55.64 0.05 0.00	54.79 0.11 0.00	59.86 0.26 0.00	67.19 0.50 0.00	80.97 0.70 0.00	53.79 0.29 0.00	54.39 0.51 0.00	45.05 0.71 0.00	43.98 0.68 0.00
E_CANADA_MHWK_HY 24050	49.31 1.99 0.00	39.85 1.72 0.00	38.16 1.65 0.00	35.34 1.64 0.00	38.47 1.64 0.00	36.27 1.79 0.00	52.93 2.54 0.00	56.88 2.25 0.00	44.77 1.05 0.00	42.94 0.69 0.00	43.95 0.80 0.00	39.30 0.94 0.00	36.86 0.93 0.00	44.79 1.37 0.00	42.51 1.03 0.00	57.53 1.94 0.00	57.65 2.98 0.00	62.67 3.07 0.00	70.28 3.59 0.00	84.97 4.70 0.00	56.77 3.28 0.00	56.61 2.73 0.00	46.52 2.18 0.00	45.39 2.09 0.00
E_FISHKILL__LBMP 23776	48.97 1.65 0.00	39.55 1.42 0.00	37.77 1.27 0.00	34.86 1.16 0.00	38.11 1.29 0.00	35.99 1.52 0.00	52.32 1.93 0.00	56.58 1.95 0.00	45.29 1.57 0.00	44.02 1.77 0.00	45.19 2.04 0.00	40.38 2.02 0.00	37.72 1.78 0.00	45.64 2.21 0.00	43.45 1.97 0.00	57.66 2.07 0.00	56.75 2.07 0.00	61.59 1.99 0.00	68.69 1.99 0.00	82.71 2.45 0.00	55.31 1.81 0.00	55.64 1.76 0.00	45.83 1.49 0.00	44.54 1.24 0.00
FALCON__SEABRD_CC1 323796	48.10 0.78 0.00	38.53 0.40 0.00	36.95 0.44 0.00	34.12 0.42 0.00	37.29 0.47 0.00	34.34 -0.14 0.00	50.48 0.09 0.00	54.78 0.15 0.00	44.10 0.39 0.00	42.44 0.19 0.00	43.21 0.05 0.00	38.16 -0.19 0.00	35.75 -0.18 0.00	42.89 -0.54 0.00	41.01 -0.46 0.00	55.23 -0.36 0.00	53.51 -1.17 0.00	58.78 -0.82 0.00	66.29 -0.41 0.00	80.30 0.04 0.00	53.28 -0.22 0.00	54.44 0.56 0.00	45.43 1.09 0.00	44.57 1.27 0.00
FALCON__SEABRD_CC2 323797	48.10 0.78 0.00	38.53 0.40 0.00	36.95 0.44 0.00	34.12 0.42 0.00	37.29 0.47 0.00	34.34 -0.14 0.00	50.48 0.09 0.00	54.78 0.15 0.00	44.10 0.39 0.00	42.44 0.19 0.00	43.21 0.05 0.00	38.16 -0.19 0.00	35.75 -0.18 0.00	42.89 -0.54 0.00	41.01 -0.46 0.00	55.23 -0.36 0.00	53.51 -1.17 0.00	58.78 -0.82 0.00	66.29 -0.41 0.00	80.30 0.04 0.00	53.28 -0.22 0.00	54.44 0.56 0.00	45.43 1.09 0.00	44.57 1.27 0.00

FAR ROCKAWAY___4 23548	49.87 2.55 0.00	40.34 2.21 0.00	38.46 1.96 0.00	35.51 1.81 0.00	38.82 1.99 0.00	36.72 2.25 0.00	53.10 2.71 0.00	57.45 2.81 0.00	46.04 2.33 0.00	44.91 2.76 0.10	46.44 3.28 0.00	41.49 3.18 0.04	38.62 2.77 0.08	46.80 3.39 0.02	44.49 3.02 0.00	58.92 3.33 0.00	57.98 3.31 0.00	62.81 3.21 0.00	69.93 3.24 0.00	84.21 3.94 0.00	56.41 2.91 0.00	56.72 2.84 0.00	47.00 2.66 0.00	45.53 2.23 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.58 2.10 0.00	53.17 2.78 0.00	57.53 2.90 0.00	46.10 2.39 0.00	46.35 2.63 -1.47	46.12 2.96 -0.01	41.82 2.85 -0.61	39.58 2.53 -1.11	46.79 3.10 -0.26	44.28 2.79 -0.02	58.58 2.99 0.00	57.59 2.91 0.00	62.52 2.92 0.00	69.61 2.92 0.00	83.76 3.50 0.00	56.05 2.55 0.00	56.42 2.54 0.00	46.53 2.19 0.00	45.15 1.85 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	49.68 2.36 0.00	40.13 2.00 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.67 1.84 0.00	36.58 2.10 0.00	53.18 2.79 0.00	57.54 2.91 0.00	46.10 2.39 0.00	46.33 2.63 -1.46	46.12 2.96 -0.01	41.82 2.85 -0.61	39.57 2.53 -1.10	46.79 3.10 -0.26	44.28 2.79 -0.01	58.58 2.99 0.00	57.59 2.91 0.00	62.53 2.93 0.00	69.62 2.93 0.00	83.76 3.50 0.00	56.06 2.56 0.00	56.45 2.57 0.00	46.53 2.20 0.00	45.16 1.86 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	49.65 2.33 0.00	40.11 1.98 0.00	38.29 1.78 0.00	35.31 1.62 0.00	38.64 1.82 0.00	36.57 2.09 0.00	53.14 2.75 0.00	57.51 2.88 0.00	46.08 2.36 0.00	46.33 2.61 -1.47	46.09 2.93 -0.01	41.80 2.83 -0.62	39.55 2.51 -1.11	46.76 3.08 -0.26	44.26 2.77 -0.02	58.55 2.96 0.00	57.57 2.89 0.00	62.47 2.87 0.00	69.57 2.88 0.00	83.71 3.45 0.00	56.01 2.52 0.00	56.40 2.52 0.00	46.49 2.16 0.00	45.12 1.83 0.00
FARRAGUT___LBMP 323566	49.62 2.30 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.06 0.00	53.10 2.71 0.00	57.45 2.82 0.00	46.04 2.32 0.00	46.30 2.57 -1.49	46.05 2.89 -0.01	41.77 2.79 -0.62	39.53 2.47 -1.13	46.72 3.03 -0.27	44.22 2.73 -0.02	58.50 2.91 0.00	57.51 2.84 0.00	62.42 2.82 0.00	69.52 2.83 0.00	83.66 3.39 0.00	55.97 2.48 0.00	56.35 2.47 0.00	46.47 2.13 0.00	45.09 1.79 0.00
FENNER___WINDPWR 24204	47.57 0.25 0.00	38.38 0.24 0.00	36.76 0.25 0.00	33.91 0.21 0.00	37.09 0.26 0.00	34.86 0.39 0.00	51.11 0.72 0.00	55.46 0.83 0.00	44.34 0.63 0.00	42.72 0.47 0.00	43.67 0.52 0.00	38.80 0.45 0.00	36.22 0.28 0.00	43.82 0.39 0.00	41.78 0.31 0.00	56.18 0.60 0.00	55.72 1.05 0.00	60.69 1.09 0.00	67.93 1.24 0.00	81.62 1.35 0.00	54.38 0.88 0.00	54.66 0.78 0.00	44.89 0.55 0.00	43.77 0.47 0.00
FIBERTEK___ENERGY 23856	46.30 -1.02 0.00	37.32 -0.81 0.00	35.74 -0.77 0.00	33.00 -0.69 0.00	36.11 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.78 -0.85 0.00	43.06 -0.66 0.00	41.58 -0.67 0.00	42.53 -0.62 0.00	37.77 -0.59 0.00	35.30 -0.64 0.00	42.61 -0.82 0.00	40.69 -0.78 0.00	54.70 -0.89 0.00	54.14 -0.54 0.00	59.01 -0.59 0.00	66.04 -0.65 0.00	79.25 -1.01 0.00	52.81 -0.68 0.00	53.04 -0.83 0.00	43.56 -0.78 0.00	42.54 -0.75 0.00
FITZPATRICK___ 23598	45.31 -2.01 0.00	36.52 -1.61 0.00	34.96 -1.55 0.00	32.30 -1.40 0.00	35.29 -1.53 0.00	33.08 -1.39 0.00	48.33 -2.06 0.00	52.45 -2.18 0.00	42.03 -1.68 0.00	40.63 -1.62 0.00	41.49 -1.67 0.00	36.89 -1.46 0.00	34.49 -1.44 0.00	41.67 -1.76 0.00	39.78 -1.69 0.00	53.39 -2.20 0.00	52.72 -1.96 0.00	57.43 -2.17 0.00	64.28 -2.42 0.00	77.21 -3.06 0.00	51.46 -2.03 0.00	51.74 -2.14 0.00	42.52 -1.82 0.00	41.54 -1.76 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	49.49 2.17 0.00	39.97 1.83 0.00	38.16 1.66 0.00	35.22 1.52 0.00	38.52 1.69 0.00	36.38 1.91 0.00	52.98 2.59 0.00	57.35 2.72 0.00	45.86 2.15 0.00	44.51 2.26 0.00	45.68 2.52 0.00	40.84 2.48 0.00	38.15 2.22 0.00	46.17 2.74 0.00	43.97 2.50 0.00	58.47 2.88 0.00	57.62 2.95 0.00	62.61 3.00 0.00	69.86 3.17 0.00	84.07 3.81 0.00	56.18 2.68 0.00	56.47 2.59 0.00	46.47 2.13 0.00	45.14 1.84 0.00
FORT ORANGE___ 23900	48.12 0.80 0.00	38.87 0.74 0.00	37.20 0.69 0.00	34.42 0.72 0.00	37.51 0.69 0.00	35.31 0.83 0.00	51.41 1.02 0.00	55.59 0.96 0.00	44.23 0.51 0.00	42.51 0.26 0.00	43.45 0.30 0.00	38.99 0.64 0.00	36.50 0.56 0.00	44.18 0.75 0.00	42.16 0.69 0.00	56.28 0.69 0.00	55.74 1.06 0.00	60.45 0.85 0.00	67.62 0.93 0.00	81.56 1.29 0.00	54.43 0.94 0.00	54.25 0.37 0.00	44.50 0.16 0.00	43.40 0.10 0.00
FORT_DRUM_COGEN 23780	47.10 -0.22 0.00	37.84 -0.28 0.00	36.43 -0.07 0.00	32.87 -0.83 0.00	36.12 -0.70 0.00	34.11 -0.37 0.00	50.52 0.13 0.00	54.77 0.13 0.00	44.07 0.35 0.00	41.06 -1.19 0.00	41.99 -1.16 0.00	37.72 -0.64 0.00	34.98 -0.95 0.00	42.11 -1.32 0.00	40.59 -0.88 0.00	54.86 -0.72 0.00	55.00 0.32 0.00	60.44 0.84 0.00	67.73 1.04 0.00	81.50 1.23 0.00	54.34 0.84 0.00	55.24 1.36 0.00	45.51 1.17 0.00	44.39 1.09 0.00
FOX_HILLS___ESR 323835	49.87 2.55 0.00	40.31 2.18 0.00	38.51 2.01 0.00	35.52 1.83 0.00	38.89 2.07 0.00	36.77 2.30 0.00	53.33 2.94 0.00	57.67 3.03 0.00	46.31 2.59 0.00	46.75 2.74 -1.76	46.17 3.01 -0.01	41.82 2.73 -0.73	39.60 2.34 -1.33	46.86 3.12 -0.31	44.35 2.86 -0.02	58.55 2.96 0.00	57.53 2.85 0.00	62.48 2.88 0.00	69.56 2.88 0.00	83.90 3.64 0.00	56.36 2.86 0.00	56.60 2.72 0.00	46.78 2.44 0.00	45.35 2.05 0.00
FPL_FAR_ROCK_GT1 24212	49.87 2.55 0.00	40.34 2.21 0.00	38.46 1.96 0.00	35.51 1.81 0.00	38.82 1.99 0.00	36.72 2.25 0.00	53.11 2.72 0.00	57.45 2.82 0.00	46.04 2.33 0.00	44.91 2.76 0.10	46.43 3.28 0.00	41.49 3.17 0.04	38.62 2.76 0.08	46.81 3.40 0.02	44.49 3.02 0.00	58.88 3.30 0.00	57.97 3.30 0.00	62.81 3.21 0.00	69.94 3.25 0.00	84.21 3.94 0.00	56.40 2.91 0.00	56.72 2.84 0.00	47.00 2.66 0.00	45.53 2.23 0.00
FPL_FAR_ROCK_GT2 23815	49.87 2.55 0.00	40.34 2.21 0.00	38.46 1.96 0.00	35.51 1.81 0.00	38.82 1.99 0.00	36.72 2.25 0.00	53.11 2.72 0.00	57.45 2.82 0.00	46.04 2.33 0.00	44.91 2.76 0.10	46.43 3.28 0.00	41.49 3.17 0.04	38.62 2.76 0.08	46.81 3.40 0.02	44.49 3.02 0.00	58.88 3.30 0.00	57.97 3.30 0.00	62.81 3.21 0.00	69.94 3.25 0.00	84.21 3.94 0.00	56.40 2.91 0.00	56.72 2.84 0.00	47.00 2.66 0.00	45.53 2.23 0.00
FRANKLIN_FALL_HYD 24054	48.64 1.32 0.00	38.97 0.83 0.00	37.36 0.86 0.00	34.42 0.72 0.00	37.63 0.81 0.00	34.67 0.19 0.00	51.10 0.71 0.00	55.57 0.94 0.00	44.72 1.00 0.00	43.05 0.80 0.00	43.78 0.63 0.00	38.66 0.30 0.00	36.26 0.33 0.00	43.62 0.19 0.00	41.86 0.39 0.00	56.38 0.80 0.00	54.91 0.23 0.00	60.34 0.73 0.00	67.94 1.25 0.00	82.20 1.93 0.00	54.48 0.98 0.00	55.50 1.62 0.00	46.00 1.66 0.00	45.02 1.72 0.00

FREEPORT_EQUS_GT1 23764	49.50 2.18 0.00	40.02 1.89 0.00	38.17 1.67 0.00	35.23 1.53 0.00	38.50 1.68 0.00	36.44 1.97 0.00	52.24 2.23 0.38	48.99 2.32 7.97	42.85 1.92 2.79	43.86 2.30 0.70	46.03 2.87 0.00	41.10 2.78 0.04	38.23 2.37 0.08	46.29 2.88 0.02	43.89 2.60 0.18	55.39 2.73 2.93	53.28 2.75 4.14	58.92 2.67 3.35	68.53 2.64 0.80	83.49 3.23 0.00	55.92 2.42 0.00	54.01 2.38 2.25	46.67 2.33 0.00	45.21 1.91 0.00
FREEPORT___CT2 23818	49.50 2.18 0.00	40.02 1.89 0.00	38.17 1.67 0.00	35.23 1.53 0.00	38.50 1.68 0.00	36.44 1.97 0.00	52.24 2.23 0.38	48.99 2.32 7.97	42.85 1.92 2.79	43.86 2.30 0.70	46.03 2.87 0.00	41.10 2.78 0.04	38.23 2.37 0.08	46.29 2.88 0.02	43.89 2.60 0.18	55.39 2.73 2.93	53.28 2.75 4.14	58.92 2.67 3.35	68.53 2.64 0.80	83.49 3.23 0.00	55.92 2.42 0.00	54.01 2.38 2.25	46.67 2.33 0.00	45.21 1.91 0.00
FRESHKLS_33_KV_LOAD 356253	49.98 2.66 0.00	40.44 2.31 0.00	38.65 2.15 0.00	35.65 1.95 0.00	39.03 2.20 0.00	36.90 2.43 0.00	53.48 3.09 0.00	57.75 3.12 0.00	46.39 2.68 0.00	46.85 2.84 -1.76	46.24 3.08 -0.01	41.88 2.79 -0.73	39.63 2.37 -1.33	46.93 3.19 -0.31	44.43 2.94 -0.02	58.58 2.99 0.00	57.58 2.91 0.00	62.53 2.93 0.00	69.63 2.94 0.00	84.03 3.76 0.00	56.54 3.04 0.00	56.75 2.88 0.00	46.91 2.57 0.00	45.50 2.20 0.00
FULTON COGEN____ 23766	45.69 -1.63 0.00	36.82 -1.31 0.00	35.23 -1.27 0.00	32.55 -1.14 0.00	35.58 -1.24 0.00	33.39 -1.09 0.00	48.82 -1.57 0.00	52.97 -1.67 0.00	42.47 -1.25 0.00	41.02 -1.23 0.00	41.88 -1.28 0.00	37.21 -1.15 0.00	34.79 -1.15 0.00	42.09 -1.34 0.00	40.06 -1.41 0.00	53.89 -1.70 0.00	53.28 -1.39 0.00	58.06 -1.54 0.00	64.97 -1.73 0.00	78.00 -2.26 0.00	51.99 -1.51 0.00	52.28 -1.60 0.00	42.96 -1.38 0.00	41.91 -1.39 0.00
FULTON___LFGE 323630	48.22 0.90 0.00	38.87 0.74 0.00	37.22 0.72 0.00	34.33 0.63 0.00	37.57 0.74 0.00	35.23 0.75 0.00	51.65 1.26 0.00	55.93 1.30 0.00	44.19 0.47 0.00	42.30 0.05 0.00	43.40 0.25 0.00	38.70 0.34 0.00	36.13 0.19 0.00	43.85 0.42 0.00	41.81 0.34 0.00	56.65 1.06 0.00	56.22 1.55 0.00	61.40 1.80 0.00	68.83 2.13 0.00	82.90 2.63 0.00	55.17 1.67 0.00	55.50 1.63 0.00	45.73 1.39 0.00	44.58 1.29 0.00
G.F.CEMENT___DRP 24184	49.30 1.98 0.00	39.78 1.65 0.00	37.97 1.47 0.00	35.15 1.45 0.00	38.31 1.48 0.00	36.25 1.77 0.00	52.74 2.35 0.00	56.97 2.34 0.00	45.07 1.36 0.00	43.15 0.90 0.00	44.21 1.06 0.00	39.81 1.46 0.00	37.16 1.23 0.00	45.19 1.76 0.00	43.13 1.66 0.00	57.83 2.24 0.00	57.57 2.89 0.00	62.23 2.63 0.00	69.66 2.97 0.00	84.23 3.97 0.00	56.45 2.96 0.00	56.07 2.20 0.00	46.01 1.67 0.00	45.01 1.72 0.00
GARDENVILLE___LBMP 24039	43.81 -3.51 0.00	35.06 -3.07 0.00	33.60 -2.90 0.00	30.81 -2.89 0.00	34.13 -2.69 0.00	31.56 -2.92 0.00	46.17 -4.22 0.00	50.79 -3.85 0.00	41.38 -2.34 0.00	40.37 -1.88 0.00	40.93 -2.22 0.00	36.06 -2.30 0.00	33.35 -2.58 0.00	40.53 -2.90 0.00	38.55 -2.92 0.00	52.57 -3.01 0.00	52.55 -2.12 0.00	57.49 -2.11 0.00	64.75 -1.94 0.00	76.42 -3.85 0.00	50.48 -3.02 0.00	50.27 -3.61 0.00	41.22 -3.12 0.00	40.87 -2.43 0.00
GARDNVLA_35_KV_LD 355827	44.19 -3.13 0.00	35.35 -2.78 0.00	33.87 -2.64 0.00	31.06 -2.64 0.00	34.39 -2.44 0.00	31.82 -2.66 0.00	46.56 -3.83 0.00	51.25 -3.38 0.00	41.82 -1.89 0.00	40.84 -1.42 0.00	41.37 -1.78 0.00	36.48 -1.88 0.00	33.73 -2.20 0.00	40.99 -2.44 0.00	38.97 -2.51 0.00	53.07 -2.51 0.00	53.02 -1.66 0.00	57.99 -1.61 0.00	65.32 -1.38 0.00	77.07 -3.19 0.00	50.91 -2.59 0.00	50.71 -3.17 0.00	41.51 -2.83 0.00	41.12 -2.18 0.00
GELCKHM___115KV_LOAD 80723	46.02 -1.30 0.00	37.10 -1.04 0.00	35.51 -0.99 0.00	32.80 -0.90 0.00	35.87 -0.96 0.00	33.65 -0.82 0.00	49.21 -1.18 0.00	53.41 -1.22 0.00	42.79 -0.92 0.00	41.36 -0.89 0.00	42.26 -0.89 0.00	37.56 -0.80 0.00	35.09 -0.84 0.00	42.39 -1.04 0.00	40.48 -1.00 0.00	54.38 -1.21 0.00	53.79 -0.89 0.00	58.61 -0.99 0.00	65.60 -1.09 0.00	78.73 -1.53 0.00	52.45 -1.05 0.00	52.70 -1.18 0.00	43.28 -1.06 0.00	42.25 -1.04 0.00
GENERAL___MILLS 23808	44.07 -3.25 0.00	35.27 -2.87 0.00	33.78 -2.72 0.00	30.98 -2.72 0.00	34.31 -2.52 0.00	31.73 -2.75 0.00	46.39 -4.00 0.00	51.05 -3.59 0.00	41.65 -2.06 0.00	40.68 -1.57 0.00	41.20 -1.96 0.00	36.33 -2.03 0.00	33.60 -2.33 0.00	40.81 -2.61 0.00	38.80 -2.68 0.00	52.84 -2.75 0.00	52.77 -1.91 0.00	57.69 -1.91 0.00	64.99 -1.70 0.00	76.69 -3.58 0.00	50.67 -2.82 0.00	50.49 -3.39 0.00	41.37 -2.97 0.00	40.97 -2.32 0.00
GE_PLASTICS___DRP 24183	48.00 0.68 0.00	38.77 0.64 0.00	37.09 0.59 0.00	34.29 0.60 0.00	37.40 0.57 0.00	35.18 0.70 0.00	51.21 0.82 0.00	55.38 0.74 0.00	44.13 0.42 0.00	42.56 0.31 0.00	43.53 0.38 0.00	38.97 0.61 0.00	36.48 0.54 0.00	44.11 0.69 0.00	42.10 0.63 0.00	56.18 0.59 0.00	55.50 0.82 0.00	60.15 0.55 0.00	67.28 0.59 0.00	81.15 0.89 0.00	54.21 0.71 0.00	54.18 0.30 0.00	44.50 0.16 0.00	43.40 0.10 0.00
GILBOA___1 23756	48.17 0.85 0.00	38.92 0.79 0.00	37.21 0.70 0.00	34.37 0.67 0.00	37.54 0.72 0.00	35.23 0.75 0.00	51.29 0.90 0.00	55.52 0.89 0.00	44.35 0.63 0.00	42.91 0.66 0.00	43.92 0.77 0.00	39.22 0.86 0.00	36.67 0.74 0.00	44.37 0.94 0.00	42.30 0.82 0.00	56.43 0.84 0.00	55.62 0.95 0.00	60.15 0.54 0.00	67.31 0.62 0.00	81.34 1.08 0.00	54.37 0.87 0.00	54.59 0.71 0.00	44.89 0.55 0.00	43.76 0.46 0.00
GILBOA___2 23757	48.17 0.85 0.00	38.92 0.79 0.00	37.21 0.70 0.00	34.37 0.67 0.00	37.54 0.72 0.00	35.23 0.75 0.00	51.29 0.90 0.00	55.52 0.89 0.00	44.35 0.63 0.00	42.91 0.66 0.00	43.92 0.77 0.00	39.22 0.86 0.00	36.67 0.74 0.00	44.37 0.94 0.00	42.30 0.82 0.00	56.43 0.84 0.00	55.62 0.95 0.00	60.15 0.54 0.00	67.31 0.62 0.00	81.34 1.08 0.00	54.37 0.87 0.00	54.59 0.71 0.00	44.89 0.55 0.00	43.76 0.46 0.00
GILBOA___3 23758	48.17 0.85 0.00	38.92 0.79 0.00	37.21 0.70 0.00	34.37 0.67 0.00	37.54 0.72 0.00	35.23 0.75 0.00	51.29 0.90 0.00	55.52 0.89 0.00	44.35 0.63 0.00	42.91 0.66 0.00	43.92 0.77 0.00	39.22 0.86 0.00	36.67 0.74 0.00	44.37 0.94 0.00	42.30 0.82 0.00	56.43 0.84 0.00	55.62 0.95 0.00	60.15 0.54 0.00	67.31 0.62 0.00	81.34 1.08 0.00	54.37 0.87 0.00	54.59 0.71 0.00	44.89 0.55 0.00	43.76 0.46 0.00
GILBOA___4 23759	48.17 0.85 0.00	38.92 0.79 0.00	37.21 0.70 0.00	34.37 0.67 0.00	37.54 0.72 0.00	35.23 0.75 0.00	51.29 0.90 0.00	55.52 0.89 0.00	44.35 0.63 0.00	42.91 0.66 0.00	43.92 0.77 0.00	39.22 0.86 0.00	36.67 0.74 0.00	44.37 0.94 0.00	42.30 0.82 0.00	56.43 0.84 0.00	55.62 0.95 0.00	60.15 0.54 0.00	67.31 0.62 0.00	81.34 1.08 0.00	54.37 0.87 0.00	54.59 0.71 0.00	44.89 0.55 0.00	43.76 0.46 0.00

GILBOA____ 23599	48.17 0.85 0.00	38.92 0.79 0.00	37.21 0.71 0.00	34.37 0.67 0.00	37.54 0.72 0.00	35.23 0.76 0.00	51.29 0.90 0.00	55.52 0.89 0.00	44.35 0.63 0.00	42.91 0.66 0.00	43.92 0.77 0.00	39.22 0.86 0.00	36.67 0.74 0.00	44.36 0.94 0.00	42.30 0.82 0.00	56.43 0.85 0.00	55.63 0.95 0.00	60.15 0.54 0.00	67.31 0.62 0.00	81.34 1.08 0.00	54.37 0.87 0.00	54.59 0.71 0.00	44.89 0.55 0.00	43.76 0.46 0.00
GINNA____ 23603	43.45 -3.87 0.00	34.89 -3.24 0.00	33.40 -3.10 0.00	30.76 -2.94 0.00	33.86 -2.96 0.00	31.62 -2.86 0.00	46.35 -4.04 0.00	50.68 -3.95 0.00	40.95 -2.76 0.00	39.78 -2.48 0.00	40.47 -2.68 0.00	35.83 -2.53 0.00	33.28 -2.65 0.00	40.21 -3.21 0.00	38.33 -3.14 0.00	51.94 -3.65 0.00	51.64 -3.04 0.00	56.41 -3.19 0.00	63.25 -3.44 0.00	75.30 -4.96 0.00	49.96 -3.54 0.00	49.87 -4.01 0.00	40.78 -3.56 0.00	40.00 -3.30 0.00
GLEN PARK____ 23778	47.15 -0.17 0.00	37.88 -0.25 0.00	36.46 -0.05 0.00	32.91 -0.78 0.00	36.17 -0.65 0.00	34.17 -0.30 0.00	50.63 0.24 0.00	54.92 0.28 0.00	44.15 0.43 0.00	40.95 -1.30 0.00	41.96 -1.20 0.00	37.73 -0.63 0.00	34.96 -0.97 0.00	42.05 -1.37 0.00	40.57 -0.90 0.00	54.82 -0.77 0.00	55.11 0.43 0.00	60.61 1.01 0.00	67.98 1.30 0.00	81.74 1.48 0.00	54.50 1.00 0.00	55.37 1.49 0.00	45.58 1.24 0.00	44.43 1.13 0.00
GLENDALE_27_KV_LOAD 356172	49.83 2.51 0.00	40.26 2.13 0.00	38.43 1.93 0.00	35.45 1.76 0.00	38.80 1.98 0.00	36.72 2.24 0.00	53.31 2.92 0.00	57.70 3.07 0.00	46.29 2.57 0.00	46.82 2.81 -1.76	46.28 3.12 -0.01	42.02 2.93 -0.73	39.85 2.58 -1.33	46.97 3.23 -0.31	44.42 2.93 -0.02	58.72 3.13 0.00	57.68 3.00 0.00	62.62 3.02 0.00	69.72 3.03 0.00	83.90 3.64 0.00	56.20 2.70 0.00	56.57 2.70 0.00	46.71 2.37 0.00	45.30 2.00 0.00
GLENWOOD_IC_1_G5 23712	49.53 2.21 0.00	40.02 1.90 0.00	38.20 1.70 0.00	35.25 1.55 0.00	38.55 1.73 0.00	36.47 1.99 0.00	52.59 2.43 0.23	52.31 2.56 4.88	44.12 2.11 1.71	44.22 2.44 0.46	46.04 2.89 0.00	41.13 2.81 0.04	38.29 2.44 0.08	46.38 2.97 0.02	44.01 2.65 0.11	56.67 2.87 1.79	54.99 2.85 2.54	60.33 2.78 2.05	68.97 2.77 0.49	83.68 3.41 0.00	55.97 2.47 0.00	54.95 2.45 1.38	46.59 2.25 0.00	45.18 1.89 0.00
GLENWOOD_IC_2_G1 23688	49.41 2.08 0.00	39.92 1.79 0.00	38.10 1.60 0.00	35.16 1.46 0.00	38.46 1.63 0.00	36.36 1.89 0.00	52.74 2.35 0.00	57.07 2.44 0.00	45.71 2.00 0.00	44.44 2.29 0.10	45.85 2.70 0.00	40.95 2.63 0.04	38.15 2.30 0.08	46.22 2.81 0.02	43.98 2.51 0.00	58.23 2.64 0.00	57.31 2.63 0.00	62.16 2.56 0.00	69.25 2.56 0.00	83.38 3.11 0.00	55.79 2.29 0.00	56.16 2.28 0.00	46.40 2.07 0.00	45.02 1.72 0.00
GLENWOOD_IC_3_G1 23689	49.41 2.08 0.00	39.92 1.79 0.00	38.10 1.60 0.00	35.16 1.46 0.00	38.46 1.63 0.00	36.36 1.89 0.00	52.74 2.35 0.00	57.07 2.44 0.00	45.71 2.00 0.00	44.44 2.29 0.10	45.85 2.70 0.00	40.95 2.63 0.04	38.15 2.30 0.08	46.22 2.81 0.02	43.98 2.51 0.00	58.23 2.64 0.00	57.31 2.63 0.00	62.16 2.56 0.00	69.25 2.56 0.00	83.38 3.11 0.00	55.79 2.29 0.00	56.16 2.28 0.00	46.40 2.07 0.00	45.02 1.72 0.00
GLENWOOD____4 23550	49.53 2.21 0.00	40.02 1.90 0.00	38.20 1.70 0.00	35.25 1.55 0.00	38.55 1.73 0.00	36.47 1.99 0.00	52.59 2.43 0.23	52.31 2.56 4.88	44.12 2.11 1.71	44.22 2.44 0.46	46.04 2.89 0.00	41.13 2.81 0.04	38.29 2.44 0.08	46.38 2.97 0.02	44.01 2.65 0.11	56.67 2.87 1.79	54.99 2.85 2.54	60.33 2.78 2.05	68.97 2.77 0.49	83.68 3.41 0.00	55.97 2.47 0.00	54.95 2.45 1.38	46.59 2.25 0.00	45.18 1.89 0.00
GLENWOOD____5 23614	49.53 2.21 0.00	40.02 1.90 0.00	38.20 1.70 0.00	35.25 1.55 0.00	38.55 1.73 0.00	36.47 1.99 0.00	52.59 2.43 0.23	52.31 2.56 4.88	44.12 2.11 1.71	44.22 2.44 0.46	46.04 2.89 0.00	41.13 2.81 0.04	38.29 2.44 0.08	46.38 2.97 0.02	44.01 2.65 0.11	56.67 2.87 1.79	54.99 2.85 2.54	60.33 2.78 2.05	68.97 2.77 0.49	83.68 3.41 0.00	55.97 2.47 0.00	54.95 2.45 1.38	46.59 2.25 0.00	45.18 1.89 0.00
GLOBAL GREEN_PORT_GT1 23814	47.47 0.15 0.00	38.59 0.46 0.00	36.80 0.30 0.00	34.00 0.30 0.00	37.19 0.36 0.00	35.42 0.94 0.00	49.77 0.15 0.78	-37.23 0.30 92.17	-64.40 0.84 108.96	-0.33 0.51 43.09	-0.35 1.14 44.64	23.43 1.45 16.38	-1.74 1.02 38.69	-15.09 1.26 59.79	10.61 0.90 31.77	4.07 0.41 51.93	4.40 0.40 50.67	15.40 0.17 44.36	20.04 -0.19 46.46	26.96 0.16 53.46	-4.00 0.23 57.72	-27.89 0.25 82.01	-16.68 0.67 61.69	-16.56 0.23 60.09
GLOBE____DSASP 323697	42.47 -4.85 0.00	33.97 -4.16 0.00	32.45 -4.06 0.00	29.76 -3.94 0.00	33.01 -3.81 0.00	30.40 -4.08 0.00	43.92 -6.47 0.00	48.24 -6.39 0.00	39.51 -4.20 0.00	38.68 -3.57 0.01	39.06 -4.09 0.00	34.47 -3.89 0.00	31.86 -4.07 0.00	38.62 -4.81 0.00	36.73 -4.74 0.00	50.03 -5.56 0.00	49.92 -4.75 0.00	54.55 -5.05 0.00	61.40 -5.29 0.00	72.27 -7.99 0.00	47.83 -5.67 0.00	47.63 -6.24 0.00	39.54 -4.80 0.00	39.30 -4.00 0.00
GOETHSLN____LBMP 323567	49.56 2.24 0.00	40.05 1.92 0.00	38.23 1.73 0.00	35.26 1.56 0.00	38.58 1.76 0.00	36.50 2.03 0.00	53.04 2.65 0.00	57.38 2.75 0.00	45.96 2.24 0.00	46.17 2.49 -1.43	45.98 2.81 -0.01	41.67 2.72 -0.59	39.44 2.42 -1.08	46.63 2.95 -0.25	44.12 2.64 -0.01	58.32 2.73 0.00	57.32 2.65 0.00	62.24 2.64 0.00	69.31 2.62 0.00	83.42 3.16 0.00	55.83 2.33 0.00	56.20 2.32 0.00	46.35 2.01 0.00	44.98 1.68 0.00
GOLAH____69_KV_TB 1_2 80279	45.63 -1.69 0.00	36.58 -1.55 0.00	35.02 -1.49 0.00	32.20 -1.50 0.00	35.53 -1.29 0.00	33.05 -1.43 0.00	48.40 -1.99 0.00	53.09 -1.54 0.00	43.00 -0.72 0.00	41.72 -0.53 0.00	42.39 -0.76 0.00	37.48 -0.88 0.00	34.77 -1.16 0.00	42.01 -1.42 0.00	40.04 -1.43 0.00	54.41 -1.18 0.00	54.22 -0.46 0.00	59.31 -0.29 0.00	66.60 -0.09 0.00	79.05 -1.22 0.00	52.36 -1.13 0.00	52.23 -1.65 0.00	42.72 -1.62 0.00	42.04 -1.25 0.00
GOODYEAR_LAKE_HYD 323669	48.12 0.80 0.00	38.81 0.68 0.00	37.15 0.65 0.00	34.26 0.56 0.00	37.46 0.64 0.00	35.14 0.67 0.00	51.42 1.03 0.00	55.87 1.24 0.00	44.77 1.06 0.00	43.34 1.09 0.00	44.36 1.21 0.00	39.42 1.06 0.00	36.84 0.91 0.00	44.49 1.06 0.00	42.46 0.99 0.00	56.92 1.33 0.00	56.19 1.51 0.00	61.13 1.53 0.00	68.44 1.76 0.00	82.41 2.14 0.00	54.90 1.40 0.00	55.30 1.43 0.00	45.51 1.17 0.00	44.35 1.05 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	46.85 -0.47 0.00	37.74 -0.40 0.00	36.09 -0.42 0.00	33.29 -0.41 0.00	36.46 -0.37 0.00	34.19 -0.29 0.00	50.00 -0.40 0.00	54.29 -0.35 0.00	43.48 -0.23 0.00	42.09 -0.16 0.00	43.04 -0.11 0.00	38.24 -0.12 0.00	35.70 -0.24 0.00	43.15 -0.27 0.00	41.11 -0.36 0.00	55.19 -0.40 0.00	54.67 -0.01 0.00	59.51 -0.09 0.00	66.69 0.00 0.00	79.92 -0.34 0.00	53.23 -0.27 0.00	53.48 -0.40 0.00	43.96 -0.37 0.00	42.96 -0.33 0.00

GOUDEY___7 23579	46.85 -0.47 0.00	37.74 -0.40 0.00	36.09 -0.42 0.00	33.29 -0.41 0.00	36.46 -0.37 0.00	34.19 -0.29 0.00	50.00 -0.40 0.00	54.29 -0.35 0.00	43.48 -0.23 0.00	42.09 -0.16 0.00	43.04 -0.11 0.00	38.24 -0.12 0.00	35.70 -0.24 0.00	43.15 -0.27 0.00	41.11 -0.36 0.00	55.19 -0.40 0.00	54.67 -0.01 0.00	59.51 -0.09 0.00	66.69 0.00 0.00	79.92 -0.34 0.00	53.23 -0.27 0.00	53.48 -0.40 0.00	43.96 -0.37 0.00	42.96 -0.33 0.00
GOUDEY___8 23580	46.85 -0.47 0.00	37.74 -0.40 0.00	36.09 -0.42 0.00	33.29 -0.41 0.00	36.46 -0.37 0.00	34.19 -0.29 0.00	50.00 -0.40 0.00	54.29 -0.35 0.00	43.48 -0.23 0.00	42.09 -0.16 0.00	43.04 -0.11 0.00	38.24 -0.12 0.00	35.70 -0.24 0.00	43.15 -0.27 0.00	41.11 -0.36 0.00	55.19 -0.40 0.00	54.67 -0.01 0.00	59.51 -0.09 0.00	66.69 0.00 0.00	79.92 -0.34 0.00	53.23 -0.27 0.00	53.48 -0.40 0.00	43.96 -0.37 0.00	42.96 -0.33 0.00
GOWANUS_GT1_1 24077	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT1_2 24078	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT1_3 24079	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT1_4 24080	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT1_5 24084	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT1_6 24111	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT1_7 24112	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT1_8 24113	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT2_1 24114	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT2_2 24115	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT2_3 24116	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT2_4 24117	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT2_5 24118	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00

GOWANUS_GT2_6 24119	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT2_7 24120	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT2_8 24121	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT3_1 24122	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT3_2 24123	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT3_3 24124	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT3_4 24125	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT3_5 24126	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT3_6 24127	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT3_7 24128	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT3_8 24129	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT4_1 24130	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT4_2 24131	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT4_3 24132	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT4_4 24133	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00

GOWANUS_GT4_5 24134	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT4_6 24135	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT4_7 24136	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GOWANUS_GT4_8 24137	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GREATVR_69_KV_BK1 356245	49.54 2.22 0.00	40.10 1.97 0.00	38.24 1.74 0.00	35.30 1.61 0.00	38.60 1.77 0.00	36.62 2.14 0.00	51.85 2.19 0.74	50.64 2.19 6.18	52.67 1.78 -7.18	48.23 2.14 -3.84	51.41 2.82 -5.43	43.03 2.73 -1.95	42.83 2.27 -4.62	53.41 2.73 -7.25	47.41 2.46 -3.48	58.06 2.54 0.07	54.46 2.67 2.88	60.32 2.65 1.93	73.14 2.55 -3.90	89.94 3.16 -6.51	62.81 2.29 -7.02	61.21 2.27 -5.07	54.24 2.40 -7.51	52.55 1.94 -7.32
GREENBSH_115KV_TB3 55895	47.88 0.56 0.00	38.69 0.56 0.00	37.02 0.52 0.00	34.26 0.57 0.00	37.33 0.51 0.00	35.13 0.65 0.00	51.11 0.72 0.00	55.24 0.61 0.00	43.98 0.27 0.00	42.38 0.13 0.00	43.33 0.18 0.00	38.85 0.49 0.00	36.37 0.43 0.00	43.98 0.56 0.00	41.98 0.51 0.00	56.01 0.42 0.00	55.38 0.70 0.00	60.01 0.41 0.00	67.09 0.39 0.00	80.95 0.69 0.00	54.04 0.55 0.00	53.85 -0.03 0.00	44.21 -0.13 0.00	43.14 -0.16 0.00
GREENDGE_115KV_TB5 80291	45.18 -2.14 0.00	36.31 -1.82 0.00	34.71 -1.79 0.00	31.96 -1.73 0.00	35.17 -1.65 0.00	32.98 -1.49 0.00	48.17 -2.22 0.00	52.43 -2.20 0.00	42.21 -1.51 0.00	40.99 -1.27 0.00	41.69 -1.46 0.00	37.05 -1.31 0.00	34.15 -1.78 0.00	41.52 -1.91 0.00	39.32 -2.15 0.00	53.07 -2.52 0.00	53.35 -1.32 0.00	58.49 -1.11 0.00	65.71 -0.98 0.00	77.43 -2.84 0.00	51.58 -1.92 0.00	51.62 -2.26 0.00	42.89 -1.45 0.00	42.19 -1.11 0.00
GREENIDGE___3 23582	45.18 -2.14 0.00	36.31 -1.82 0.00	34.71 -1.79 0.00	31.96 -1.73 0.00	35.17 -1.65 0.00	32.98 -1.49 0.00	48.17 -2.22 0.00	52.43 -2.20 0.00	42.21 -1.51 0.00	40.99 -1.27 0.00	41.69 -1.46 0.00	37.05 -1.31 0.00	34.15 -1.78 0.00	41.52 -1.91 0.00	39.32 -2.15 0.00	53.07 -2.52 0.00	53.35 -1.32 0.00	58.49 -1.11 0.00	65.71 -0.98 0.00	77.43 -2.84 0.00	51.58 -1.92 0.00	51.62 -2.26 0.00	42.89 -1.45 0.00	42.19 -1.11 0.00
GREENIDGE___4 23583	45.17 -2.15 0.00	36.31 -1.82 0.00	34.71 -1.79 0.00	31.96 -1.74 0.00	35.17 -1.65 0.00	32.98 -1.49 0.00	48.18 -2.22 0.00	52.42 -2.22 0.00	42.20 -1.51 0.00	40.98 -1.27 0.00	41.68 -1.48 0.00	37.04 -1.31 0.00	34.14 -1.80 0.00	41.52 -1.91 0.00	39.32 -2.15 0.00	53.08 -2.51 0.00	53.36 -1.32 0.00	58.49 -1.11 0.00	65.73 -0.96 0.00	77.44 -2.82 0.00	51.58 -1.92 0.00	51.61 -2.26 0.00	42.89 -1.44 0.00	42.19 -1.10 0.00
GREENLWN_69_KV_BK 3 55738	48.81 1.49 0.00	39.50 1.37 0.00	37.68 1.18 0.00	34.79 1.09 0.00	38.00 1.18 0.00	36.00 1.52 0.00	50.88 1.24 0.75	40.27 1.37 15.73	39.40 1.19 5.50	42.63 1.65 1.28	45.65 2.50 0.00	40.82 2.51 0.04	37.89 2.03 0.08	45.77 2.36 0.02	43.10 1.98 0.36	51.65 1.85 5.78	48.24 1.74 8.18	54.48 1.51 6.62	66.40 1.29 1.59	81.96 1.70 0.00	54.87 1.37 0.00	50.91 1.48 4.45	46.28 1.94 0.00	44.86 1.56 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00
GRISSOM___SOLAR 323813	48.46 1.14 0.00	39.08 0.95 0.00	37.40 0.90 0.00	34.49 0.80 0.00	37.73 0.91 0.00	35.41 0.94 0.00	51.90 1.51 0.00	56.11 1.47 0.00	44.20 0.48 0.00	42.23 -0.02 0.00	43.44 0.29 0.00	38.82 0.47 0.00	36.22 0.29 0.00	44.00 0.58 0.00	41.91 0.43 0.00	56.81 1.22 0.00	56.47 1.80 0.00	61.62 2.02 0.00	69.03 2.33 0.00	83.13 2.86 0.00	55.37 1.88 0.00	55.65 1.77 0.00	45.81 1.47 0.00	44.66 1.36 0.00
GROVEVILLE___HYD 323602	49.49 2.17 0.00	39.97 1.83 0.00	38.16 1.66 0.00	35.22 1.52 0.00	38.52 1.69 0.00	36.38 1.91 0.00	52.98 2.59 0.00	57.35 2.72 0.00	45.86 2.15 0.00	44.51 2.26 0.00	45.68 2.52 0.00	40.84 2.48 0.00	38.15 2.22 0.00	46.17 2.74 0.00	43.97 2.50 0.00	58.47 2.88 0.00	57.62 2.95 0.00	62.61 3.00 0.00	69.86 3.17 0.00	84.07 3.81 0.00	56.18 2.68 0.00	56.47 2.59 0.00	46.47 2.13 0.00	45.14 1.84 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	46.30 -1.02 0.00	37.32 -0.81 0.00	35.74 -0.77 0.00	33.00 -0.69 0.00	36.11 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.78 -0.85 0.00	43.06 -0.66 0.00	41.58 -0.67 0.00	42.53 -0.62 0.00	37.77 -0.59 0.00	35.30 -0.64 0.00	42.61 -0.82 0.00	40.69 -0.78 0.00	54.70 -0.89 0.00	54.14 -0.54 0.00	59.01 -0.59 0.00	66.04 -0.65 0.00	79.25 -1.01 0.00	52.81 -0.68 0.00	53.04 -0.83 0.00	43.56 -0.78 0.00	42.54 -0.75 0.00
HAMLTNNY_34_KV_TB 80303	46.31 -1.01 0.00	37.31 -0.82 0.00	35.74 -0.76 0.00	33.00 -0.69 0.00	36.14 -0.68 0.00	33.90 -0.57 0.00	49.62 -0.77 0.00	53.86 -0.77 0.00	43.17 -0.54 0.00	41.64 -0.61 0.00	42.62 -0.53 0.00	37.77 -0.59 0.00	35.27 -0.66 0.00	42.60 -0.83 0.00	40.72 -0.75 0.00	54.82 -0.77 0.00	54.31 -0.36 0.00	59.25 -0.35 0.00	66.33 -0.36 0.00	79.51 -0.76 0.00	52.93 -0.56 0.00	53.07 -0.80 0.00	43.54 -0.80 0.00	42.58 -0.72 0.00

HAMPSHIRE___PAPER_HYD 323593	48.14 0.82 0.00	38.68 0.54 0.00	37.13 0.63 0.00	33.80 0.10 0.00	36.97 0.14 0.00	34.54 0.06 0.00	50.98 0.59 0.00	55.47 0.84 0.00	44.63 0.91 0.00	42.51 0.26 0.00	43.24 0.08 0.00	38.42 0.06 0.00	35.82 -0.11 0.00	43.12 -0.30 0.00	41.52 0.04 0.00	55.83 0.24 0.00	54.83 0.15 0.00	60.06 0.46 0.00	67.27 0.58 0.00	81.17 0.91 0.00	53.95 0.45 0.00	54.99 1.11 0.00	45.52 1.18 0.00	44.46 1.16 0.00
HARDSCRABBLE_WT_PWR 323673	48.63 1.31 0.00	39.30 1.17 0.00	37.69 1.19 0.00	34.90 1.21 0.00	37.98 1.16 0.00	35.74 1.26 0.00	52.13 1.74 0.00	56.12 1.49 0.00	44.38 0.66 0.00	42.69 0.44 0.00	43.63 0.48 0.00	38.91 0.56 0.00	36.44 0.50 0.00	44.25 0.82 0.00	42.07 0.60 0.00	56.87 1.27 0.00	56.83 2.16 0.00	61.77 2.17 0.00	69.34 2.65 0.00	83.95 3.68 0.00	56.06 2.56 0.00	55.99 2.11 0.00	46.04 1.70 0.00	44.95 1.65 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	49.24 1.92 0.00	39.77 1.63 0.00	37.99 1.49 0.00	35.04 1.35 0.00	38.34 1.52 0.00	36.21 1.73 0.00	52.69 2.30 0.00	57.02 2.39 0.00	45.62 1.90 0.00	44.31 2.06 0.00	45.49 2.33 0.00	40.63 2.27 0.00	37.98 2.04 0.00	45.98 2.55 0.00	43.78 2.31 0.00	58.14 2.55 0.00	57.33 2.65 0.00	62.32 2.72 0.00	69.51 2.82 0.00	83.65 3.38 0.00	55.84 2.35 0.00	56.16 2.29 0.00	46.25 1.91 0.00	44.93 1.63 0.00
HARSNRAD_115KV_TB1 81005	43.91 -3.41 0.00	35.11 -3.02 0.00	33.64 -2.87 0.00	30.84 -2.85 0.00	34.20 -2.62 0.00	31.40 -3.07 0.00	45.73 -4.66 0.00	50.38 -4.25 0.00	41.18 -2.53 0.00	40.26 -1.99 0.00	40.69 -2.46 0.00	35.89 -2.47 0.00	33.19 -2.75 0.00	40.21 -3.22 0.00	38.26 -3.22 0.00	52.15 -3.44 0.00	52.05 -2.62 0.00	56.90 -2.70 0.00	64.04 -2.65 0.00	75.56 -4.71 0.00	49.97 -3.53 0.00	49.76 -4.12 0.00	40.76 -3.58 0.00	40.52 -2.78 0.00
HARZA MOOSE___RIVER 24016	47.68 0.37 0.00	38.41 0.28 0.00	36.85 0.35 0.00	33.57 -0.12 0.00	36.79 -0.03 0.00	34.66 0.19 0.00	51.03 0.64 0.00	55.29 0.66 0.00	44.41 0.69 0.00	42.39 0.14 0.00	43.21 0.06 0.00	38.55 0.19 0.00	35.90 -0.04 0.00	43.43 0.00 0.00	41.67 0.20 0.00	56.07 0.48 0.00	55.55 0.88 0.00	60.66 1.06 0.00	67.85 1.15 0.00	81.76 1.50 0.00	54.51 1.01 0.00	55.08 1.20 0.00	45.38 1.04 0.00	44.28 0.98 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	45.98 -1.34 0.00	37.06 -1.08 0.00	35.46 -1.04 0.00	32.76 -0.93 0.00	35.82 -1.00 0.00	33.62 -0.86 0.00	49.15 -1.24 0.00	53.40 -1.23 0.00	42.76 -0.95 0.00	41.34 -0.91 0.00	42.26 -0.89 0.00	37.54 -0.82 0.00	35.08 -0.85 0.00	42.39 -1.04 0.00	40.46 -1.02 0.00	54.34 -1.25 0.00	53.76 -0.92 0.00	58.57 -1.04 0.00	65.55 -1.14 0.00	78.65 -1.61 0.00	52.41 -1.09 0.00	52.68 -1.20 0.00	43.26 -1.08 0.00	42.24 -1.06 0.00
HELLGATE_13_KV_LD 55870	49.89 2.57 0.00	40.32 2.19 0.00	38.49 1.99 0.00	35.50 1.80 0.00	38.85 2.03 0.00	36.76 2.29 0.00	53.36 2.97 0.00	57.79 3.15 0.00	46.36 2.65 0.00	46.88 2.87 -1.76	46.34 3.18 -0.01	42.06 2.96 -0.73	39.89 2.62 -1.33	47.00 3.26 -0.31	44.48 2.99 -0.02	58.82 3.23 0.00	57.76 3.08 0.00	62.72 3.12 0.00	69.82 3.12 0.00	84.05 3.79 0.00	56.29 2.79 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.34 2.05 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	49.89 2.57 0.00	40.32 2.19 0.00	38.49 1.99 0.00	35.50 1.80 0.00	38.85 2.03 0.00	36.76 2.29 0.00	53.36 2.97 0.00	57.79 3.15 0.00	46.36 2.65 0.00	46.88 2.87 -1.76	46.34 3.18 -0.01	42.06 2.96 -0.73	39.89 2.62 -1.33	47.00 3.26 -0.31	44.48 2.99 -0.02	58.82 3.23 0.00	57.76 3.08 0.00	62.72 3.12 0.00	69.82 3.12 0.00	84.05 3.79 0.00	56.29 2.79 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.34 2.05 0.00
HEMPSTEAD____ 23647	49.23 1.91 0.00	39.80 1.67 0.00	37.98 1.48 0.00	35.05 1.35 0.00	38.31 1.49 0.00	36.26 1.79 0.00	52.05 2.01 0.35	49.36 2.09 7.37	42.89 1.75 2.58	43.72 2.12 0.65	45.80 2.65 0.00	40.92 2.60 0.04	38.06 2.21 0.08	46.08 2.68 0.02	43.68 2.38 0.17	55.33 2.45 2.71	53.28 2.44 3.83	58.83 2.33 3.10	68.20 2.25 0.74	83.06 2.79 0.00	55.58 2.08 0.00	53.89 2.09 2.08	46.38 2.04 0.00	44.94 1.64 0.00
HICKLING___1 23621	44.58 -2.74 0.00	35.76 -2.37 0.00	34.16 -2.34 0.00	31.44 -2.25 0.00	34.57 -2.26 0.00	32.33 -2.14 0.00	47.46 -2.93 0.00	51.74 -2.89 0.00	41.54 -2.18 0.00	40.30 -1.95 0.00	41.22 -1.94 0.00	36.46 -1.90 0.00	33.77 -2.16 0.00	40.94 -2.49 0.00	38.82 -2.65 0.00	52.72 -2.87 0.00	52.79 -1.88 0.00	57.72 -1.88 0.00	65.07 -1.62 0.00	76.84 -3.42 0.00	50.85 -2.65 0.00	50.94 -2.94 0.00	41.99 -2.34 0.00	41.37 -1.93 0.00
HICKLING___2 23622	44.58 -2.74 0.00	35.76 -2.37 0.00	34.16 -2.34 0.00	31.44 -2.25 0.00	34.57 -2.26 0.00	32.33 -2.14 0.00	47.46 -2.93 0.00	51.74 -2.89 0.00	41.54 -2.18 0.00	40.30 -1.95 0.00	41.22 -1.94 0.00	36.46 -1.90 0.00	33.77 -2.16 0.00	40.94 -2.49 0.00	38.82 -2.65 0.00	52.72 -2.87 0.00	52.79 -1.88 0.00	57.72 -1.88 0.00	65.07 -1.62 0.00	76.84 -3.42 0.00	50.85 -2.65 0.00	50.94 -2.94 0.00	41.99 -2.34 0.00	41.37 -1.93 0.00
HIGH FALLS___HY 23754	49.36 2.04 0.00	39.86 1.73 0.00	38.06 1.55 0.00	35.11 1.41 0.00	38.42 1.60 0.00	36.30 1.83 0.00	52.90 2.51 0.00	57.31 2.68 0.00	45.84 2.12 0.00	44.48 2.23 0.00	45.61 2.46 0.00	40.72 2.36 0.00	38.00 2.07 0.00	46.10 2.67 0.00	43.91 2.44 0.00	58.39 2.80 0.00	57.57 2.89 0.00	62.70 3.10 0.00	70.00 3.31 0.00	84.26 3.99 0.00	56.25 2.76 0.00	56.64 2.76 0.00	46.63 2.29 0.00	45.27 1.97 0.00
HIGH_RIVER___SOLAR 323847	48.32 1.00 0.00	38.97 0.83 0.00	37.30 0.79 0.00	34.42 0.72 0.00	37.65 0.83 0.00	35.34 0.87 0.00	51.70 1.31 0.00	55.80 1.17 0.00	44.02 0.30 0.00	42.21 -0.04 0.00	43.28 0.13 0.00	38.57 0.21 0.00	36.10 0.17 0.00	43.73 0.30 0.00	41.72 0.25 0.00	56.35 0.76 0.00	56.20 1.52 0.00	61.33 1.73 0.00	68.70 2.01 0.00	82.78 2.52 0.00	55.14 1.64 0.00	55.43 1.55 0.00	45.62 1.28 0.00	44.48 1.18 0.00
HILLBURN___GT 23639	49.13 1.81 0.00	39.69 1.56 0.00	37.90 1.40 0.00	34.96 1.26 0.00	38.26 1.43 0.00	36.14 1.67 0.00	52.57 2.18 0.00	56.88 2.24 0.00	45.49 1.78 0.00	44.24 1.99 0.00	45.45 2.30 0.00	40.61 2.25 0.00	37.93 2.00 0.00	45.91 2.48 0.00	43.67 2.20 0.00	57.93 2.35 0.00	57.06 2.38 0.00	62.01 2.41 0.00	69.15 2.45 0.00	83.24 2.98 0.00	55.55 2.05 0.00	55.92 2.05 0.00	46.09 1.75 0.00	44.76 1.46 0.00
HILLSIDE_115KV_TB1 80332	44.23 -3.09 0.00	35.49 -2.64 0.00	33.90 -2.60 0.00	31.20 -2.50 0.00	34.26 -2.57 0.00	32.05 -2.43 0.00	46.98 -3.42 0.00	51.11 -3.52 0.00	41.00 -2.71 0.00	39.89 -2.36 0.00	40.83 -2.32 0.00	36.09 -2.27 0.00	33.45 -2.48 0.00	40.51 -2.92 0.00	38.34 -3.13 0.00	51.89 -3.70 0.00	51.81 -2.87 0.00	56.54 -3.06 0.00	63.77 -2.92 0.00	75.38 -4.89 0.00	49.93 -3.56 0.00	50.14 -3.74 0.00	41.37 -2.97 0.00	40.73 -2.57 0.00

HISHELDN_WT_PWR 323625	43.19 -4.13 0.00	34.61 -3.53 0.00	33.19 -3.31 0.00	30.44 -3.25 0.00	33.70 -3.12 0.00	31.26 -3.21 0.00	45.84 -4.55 0.00	50.30 -4.33 0.00	40.81 -2.91 0.00	39.70 -2.55 0.00	40.37 -2.79 0.00	35.53 -2.83 0.00	32.83 -3.10 0.00	39.99 -3.44 0.00	38.11 -3.37 0.00	52.17 -3.42 0.00	52.33 -2.34 0.00	57.29 -2.31 0.00	64.50 -2.19 0.00	76.15 -4.11 0.00	50.27 -3.23 0.00	49.99 -3.89 0.00	41.07 -3.26 0.00	40.80 -2.50 0.00
HOLTSVILLE_IC_1 23690	48.83 1.51 0.00	39.58 1.45 0.00	37.75 1.24 0.00	34.86 1.16 0.00	38.08 1.26 0.00	36.15 1.67 0.00	51.01 1.40 0.78	39.64 1.36 16.36	39.20 1.21 5.72	42.57 1.65 1.32	45.49 2.34 0.00	40.67 2.35 0.04	37.76 1.90 0.08	45.66 2.26 0.02	42.97 1.87 0.37	51.18 1.60 6.01	47.81 1.64 8.50	54.17 1.46 6.89	66.25 1.21 1.65	81.83 1.57 0.00	54.75 1.26 0.00	50.53 1.27 4.62	45.99 1.65 0.00	44.56 1.27 0.00
HOLTSVILLE_IC_10 23699	48.98 1.66 0.00	39.70 1.57 0.00	37.87 1.37 0.00	34.96 1.27 0.00	38.21 1.39 0.00	36.28 1.81 0.00	51.19 1.57 0.77	61.93 1.50 -5.80	69.24 1.32 -24.21	54.79 1.77 -10.77	58.50 2.44 -12.91	45.49 2.45 -4.68	49.01 1.99 -11.08	63.08 2.39 -17.26	52.21 2.02 -8.71	64.77 1.82 -7.35	60.36 1.87 -3.82	65.38 1.73 -4.05	79.54 1.52 -11.33	97.64 1.92 -15.46	71.66 1.48 -16.68	73.18 1.48 -17.82	63.97 1.80 -17.83	62.08 1.40 -17.37
HOLTSVILLE_IC_2 23691	48.83 1.51 0.00	39.58 1.45 0.00	37.75 1.24 0.00	34.86 1.16 0.00	38.08 1.26 0.00	36.15 1.67 0.00	51.01 1.40 0.78	39.64 1.36 16.36	39.20 1.21 5.72	42.57 1.65 1.32	45.49 2.34 0.00	40.67 2.35 0.04	37.76 1.90 0.08	45.66 2.26 0.02	42.97 1.87 0.37	51.18 1.60 6.01	47.81 1.64 8.50	54.17 1.46 6.89	66.25 1.21 1.65	81.83 1.57 0.00	54.75 1.26 0.00	50.53 1.27 4.62	45.99 1.65 0.00	44.56 1.27 0.00
HOLTSVILLE_IC_3 23692	48.83 1.51 0.00	39.58 1.45 0.00	37.75 1.24 0.00	34.86 1.16 0.00	38.08 1.26 0.00	36.15 1.67 0.00	51.01 1.40 0.78	39.64 1.36 16.36	39.20 1.21 5.72	42.57 1.65 1.32	45.49 2.34 0.00	40.67 2.35 0.04	37.76 1.90 0.08	45.66 2.26 0.02	42.97 1.87 0.37	51.18 1.60 6.01	47.81 1.64 8.50	54.17 1.46 6.89	66.25 1.21 1.65	81.83 1.57 0.00	54.75 1.26 0.00	50.53 1.27 4.62	45.99 1.65 0.00	44.56 1.27 0.00
HOLTSVILLE_IC_4 23693	48.83 1.51 0.00	39.58 1.45 0.00	37.75 1.24 0.00	34.86 1.16 0.00	38.08 1.26 0.00	36.15 1.67 0.00	51.01 1.40 0.78	39.64 1.36 16.36	39.20 1.21 5.72	42.57 1.65 1.32	45.49 2.34 0.00	40.67 2.35 0.04	37.76 1.90 0.08	45.66 2.26 0.02	42.97 1.87 0.37	51.18 1.60 6.01	47.81 1.64 8.50	54.17 1.46 6.89	66.25 1.21 1.65	81.83 1.57 0.00	54.75 1.26 0.00	50.53 1.27 4.62	45.99 1.65 0.00	44.56 1.27 0.00
HOLTSVILLE_IC_5 23694	48.83 1.51 0.00	39.58 1.45 0.00	37.75 1.24 0.00	34.86 1.16 0.00	38.08 1.26 0.00	36.15 1.67 0.00	51.01 1.40 0.78	39.64 1.36 16.36	39.20 1.21 5.72	42.57 1.65 1.32	45.49 2.34 0.00	40.67 2.35 0.04	37.76 1.90 0.08	45.66 2.26 0.02	42.97 1.87 0.37	51.18 1.60 6.01	47.81 1.64 8.50	54.17 1.46 6.89	66.25 1.21 1.65	81.83 1.57 0.00	54.75 1.26 0.00	50.53 1.27 4.62	45.99 1.65 0.00	44.56 1.27 0.00
HOLTSVILLE_IC_6 23695	48.98 1.66 0.00	39.70 1.57 0.00	37.87 1.37 0.00	34.96 1.27 0.00	38.21 1.39 0.00	36.28 1.81 0.00	51.19 1.57 0.77	61.93 1.50 -5.80	69.24 1.32 -24.21	54.79 1.77 -10.77	58.50 2.44 -12.91	45.49 2.45 -4.68	49.01 1.99 -11.08	63.08 2.39 -17.26	52.21 2.02 -8.71	64.77 1.82 -7.35	60.36 1.87 -3.82	65.38 1.73 -4.05	79.54 1.52 -11.33	97.64 1.92 -15.46	71.66 1.48 -16.68	73.18 1.48 -17.82	63.97 1.80 -17.83	62.08 1.40 -17.37
HOLTSVILLE_IC_7 23696	48.98 1.66 0.00	39.70 1.57 0.00	37.87 1.37 0.00	34.96 1.27 0.00	38.21 1.39 0.00	36.28 1.81 0.00	51.19 1.57 0.77	61.93 1.50 -5.80	69.24 1.32 -24.21	54.79 1.77 -10.77	58.50 2.44 -12.91	45.49 2.45 -4.68	49.01 1.99 -11.08	63.08 2.39 -17.26	52.21 2.02 -8.71	64.77 1.82 -7.35	60.36 1.87 -3.82	65.38 1.73 -4.05	79.54 1.52 -11.33	97.64 1.92 -15.46	71.66 1.48 -16.68	73.18 1.48 -17.82	63.97 1.80 -17.83	62.08 1.40 -17.37
HOLTSVILLE_IC_8 23697	48.98 1.66 0.00	39.70 1.57 0.00	37.87 1.37 0.00	34.96 1.27 0.00	38.21 1.39 0.00	36.28 1.81 0.00	51.19 1.57 0.77	61.93 1.50 -5.80	69.24 1.32 -24.21	54.79 1.77 -10.77	58.50 2.44 -12.91	45.49 2.45 -4.68	49.01 1.99 -11.08	63.08 2.39 -17.26	52.21 2.02 -8.71	64.77 1.82 -7.35	60.36 1.87 -3.82	65.38 1.73 -4.05	79.54 1.52 -11.33	97.64 1.92 -15.46	71.66 1.48 -16.68	73.18 1.48 -17.82	63.97 1.80 -17.83	62.08 1.40 -17.37
HOLTSVILLE_IC_9 23698	48.98 1.66 0.00	39.70 1.57 0.00	37.87 1.37 0.00	34.96 1.27 0.00	38.21 1.39 0.00	36.28 1.81 0.00	51.19 1.57 0.77	61.93 1.50 -5.80	69.24 1.32 -24.21	54.79 1.77 -10.77	58.50 2.44 -12.91	45.49 2.45 -4.68	49.01 1.99 -11.08	63.08 2.39 -17.26	52.21 2.02 -8.71	64.77 1.82 -7.35	60.36 1.87 -3.82	65.38 1.73 -4.05	79.54 1.52 -11.33	97.64 1.92 -15.46	71.66 1.48 -16.68	73.18 1.48 -17.82	63.97 1.80 -17.83	62.08 1.40 -17.37
HOMER_HL_115KV_TB2 355744	44.47 -2.85 0.00	35.65 -2.48 0.00	34.13 -2.37 0.00	31.35 -2.34 0.00	34.65 -2.18 0.00	32.28 -2.19 0.00	47.40 -2.99 0.00	51.95 -2.68 0.00	42.00 -1.71 0.00	40.92 -1.33 0.00	41.70 -1.45 0.00	36.70 -1.65 0.00	34.01 -1.92 0.00	41.20 -2.23 0.00	39.11 -2.36 0.00	53.06 -2.53 0.00	52.83 -1.84 0.00	57.84 -1.76 0.00	65.13 -1.56 0.00	76.98 -3.28 0.00	50.86 -2.64 0.00	50.84 -3.03 0.00	41.72 -2.62 0.00	41.13 -2.17 0.00
HOWARD_WT_PWR 323690	42.40 -4.92 0.00	34.03 -4.10 0.00	32.58 -3.92 0.00	29.93 -3.77 0.00	33.12 -3.71 0.00	30.91 -3.57 0.00	45.71 -4.68 0.00	50.36 -4.27 0.00	40.35 -3.36 0.00	38.92 -3.33 0.00	39.53 -3.62 0.00	35.02 -3.34 0.00	32.38 -3.56 0.00	39.57 -3.86 0.00	37.73 -3.75 0.00	52.16 -3.43 0.00	52.84 -1.84 0.00	58.38 -1.23 0.00	65.93 -0.76 0.00	77.65 -2.61 0.00	51.06 -2.44 0.00	50.73 -3.14 0.00	41.71 -2.63 0.00	41.47 -1.83 0.00
HQ_GEN_CEDARS 23644	48.98 1.66 0.00	39.33 1.20 0.00	37.71 1.21 0.00	34.72 1.03 0.00	37.97 1.15 0.00	35.15 0.67 0.00	51.69 1.30 0.00	56.17 1.54 0.00	45.07 1.36 0.00	43.47 1.23 0.00	44.21 1.06 0.00	39.06 0.70 0.00	36.65 0.71 0.00	44.21 0.78 0.00	42.42 0.95 0.00	57.04 1.45 0.00	55.60 0.93 0.00	60.93 1.33 0.00	68.26 1.57 0.00	82.19 1.92 0.00	54.62 1.13 0.00	55.59 1.71 0.00	45.96 1.62 0.00	44.97 1.67 0.00
HQ_GEN_CEDARS_PROXY 323590	48.98 1.66 0.00	39.34 1.20 0.00	37.71 1.21 0.00	34.72 1.03 0.00	37.87 1.15 0.10	35.15 0.67 0.00	51.68 1.29 0.00	56.17 1.54 0.00	45.07 1.36 0.00	43.47 1.23 0.00	44.21 1.06 0.00	39.06 0.70 0.00	36.65 0.71 0.00	44.21 0.78 0.00	42.42 0.95 0.00	57.04 1.45 0.00	55.60 0.92 0.00	60.93 1.33 0.00	68.26 1.57 0.00	82.19 1.92 0.00	54.62 1.12 0.00	55.58 1.70 0.00	45.96 1.62 0.00	44.97 1.67 0.00

HQ_GEN_IMPORT 323601	47.88 0.56 0.00	38.51 0.38 0.00	36.90 0.40 0.00	34.03 0.33 0.00	37.21 0.38 0.00	34.62 0.15 0.00	50.76 0.37 0.00	55.10 0.47 0.00	44.15 0.44 0.00	42.66 0.41 0.00	43.49 0.34 0.00	38.48 0.12 0.00	36.15 0.22 0.00	43.65 0.22 0.00	41.76 0.29 0.00	56.11 0.52 0.00	54.82 0.15 0.00	60.03 0.42 0.00	67.22 0.53 0.00	80.90 0.64 0.00	53.82 0.32 0.00	54.48 0.60 0.00	44.47 0.58 0.45	43.92 0.62 0.00
HQ_GEN_WHEEL 23651	47.88 0.56 0.00	38.51 0.38 0.00	36.90 0.40 0.00	34.03 0.33 0.00	37.21 0.38 0.00	34.62 0.15 0.00	50.76 0.37 0.00	55.10 0.47 0.00	44.15 0.44 0.00	42.66 0.41 0.00	43.49 0.34 0.00	38.48 0.12 0.00	36.15 0.22 0.00	43.65 0.22 0.00	41.76 0.29 0.00	56.11 0.52 0.00	54.82 0.15 0.00	60.03 0.42 0.00	67.22 0.53 0.00	80.90 0.64 0.00	53.82 0.32 0.00	54.48 0.60 0.00	44.47 0.58 0.45	43.92 0.62 0.00
HUDSON AVE_GT_3 23810	49.69 2.38 0.00	40.14 2.01 0.00	38.32 1.82 0.00	35.34 1.64 0.00	38.67 1.85 0.00	36.59 2.11 0.00	53.18 2.79 0.00	57.56 2.93 0.00	46.12 2.40 0.00	46.37 2.65 -1.47	46.14 2.98 -0.01	41.84 2.87 -0.61	39.59 2.54 -1.11	46.81 3.12 -0.26	44.30 2.81 -0.02	58.61 3.02 0.00	57.63 2.96 0.00	62.55 2.94 0.00	69.65 2.96 0.00	83.82 3.56 0.00	56.08 2.58 0.00	56.46 2.58 0.00	46.55 2.22 0.00	45.17 1.87 0.00
HUDSON AVE_GT_4 23540	49.69 2.38 0.00	40.14 2.01 0.00	38.32 1.82 0.00	35.34 1.64 0.00	38.67 1.85 0.00	36.59 2.11 0.00	53.18 2.79 0.00	57.56 2.93 0.00	46.12 2.40 0.00	46.37 2.65 -1.47	46.14 2.98 -0.01	41.84 2.87 -0.61	39.59 2.54 -1.11	46.81 3.12 -0.26	44.30 2.81 -0.02	58.61 3.02 0.00	57.63 2.96 0.00	62.55 2.94 0.00	69.65 2.96 0.00	83.82 3.56 0.00	56.08 2.58 0.00	56.46 2.58 0.00	46.55 2.22 0.00	45.17 1.87 0.00
HUDSON AVE_GT_5 23657	49.69 2.38 0.00	40.14 2.01 0.00	38.32 1.82 0.00	35.34 1.64 0.00	38.67 1.85 0.00	36.59 2.11 0.00	53.18 2.79 0.00	57.56 2.93 0.00	46.12 2.40 0.00	46.37 2.65 -1.47	46.14 2.98 -0.01	41.84 2.87 -0.61	39.59 2.54 -1.11	46.81 3.12 -0.26	44.30 2.81 -0.02	58.61 3.02 0.00	57.63 2.96 0.00	62.55 2.94 0.00	69.65 2.96 0.00	83.82 3.56 0.00	56.08 2.58 0.00	56.46 2.58 0.00	46.55 2.22 0.00	45.17 1.87 0.00
HUDSON_AVE_10 24168	49.53 2.21 0.00	40.02 1.89 0.00	38.21 1.70 0.00	35.24 1.54 0.00	38.56 1.73 0.00	36.49 2.02 0.00	53.02 2.63 0.00	57.36 2.73 0.00	45.97 2.25 0.00	46.16 2.50 -1.41	46.00 2.84 -0.01	41.73 2.79 -0.58	39.49 2.49 -1.06	46.68 3.01 -0.25	44.20 2.71 -0.01	58.44 2.85 0.00	57.47 2.79 0.00	62.39 2.79 0.00	69.45 2.76 0.00	83.60 3.34 0.00	55.93 2.43 0.00	56.34 2.46 0.00	46.43 2.09 0.00	45.05 1.75 0.00
HUDSON___115KV_TB 4 355613	48.69 1.37 0.00	39.28 1.15 0.00	37.60 1.10 0.00	34.79 1.09 0.00	37.94 1.12 0.00	35.72 1.25 0.00	52.14 1.74 0.00	56.43 1.80 0.00	44.87 1.15 0.00	42.84 0.59 0.00	43.77 0.61 0.00	39.41 1.05 0.00	36.88 0.95 0.00	44.67 1.24 0.00	42.59 1.12 0.00	57.06 1.47 0.00	56.64 1.97 0.00	61.56 1.96 0.00	68.86 2.17 0.00	83.07 2.81 0.00	55.41 1.91 0.00	55.19 1.31 0.00	45.21 0.87 0.00	44.07 0.76 0.00
HUNTER MOUNT___DRP 323613	48.78 1.46 0.00	39.34 1.21 0.00	37.67 1.17 0.00	34.85 1.16 0.00	38.01 1.18 0.00	35.79 1.32 0.00	52.28 1.89 0.00	56.63 2.00 0.00	45.01 1.30 0.00	42.91 0.66 0.00	43.80 0.65 0.00	39.44 1.08 0.00	36.96 1.03 0.00	44.74 1.31 0.00	42.70 1.22 0.00	57.20 1.61 0.00	56.86 2.18 0.00	61.85 2.25 0.00	69.20 2.51 0.00	83.45 3.19 0.00	55.66 2.16 0.00	55.40 1.52 0.00	45.35 1.01 0.00	44.20 0.90 0.00
HUNTINGTON_RES_REC 323705	48.82 1.50 0.00	39.53 1.40 0.00	37.69 1.19 0.00	34.80 1.11 0.00	38.04 1.22 0.00	36.06 1.59 0.00	50.94 1.31 0.76	39.95 1.35 16.03	39.28 1.17 5.60	42.58 1.62 1.30	45.56 2.40 0.00	40.71 2.40 0.04	37.79 1.94 0.08	45.72 2.31 0.02	43.05 1.94 0.36	51.43 1.73 5.89	48.06 1.72 8.33	54.41 1.56 6.75	66.45 1.38 1.62	82.05 1.78 0.00	54.89 1.40 0.00	50.81 1.46 4.53	46.22 1.88 0.00	44.76 1.46 0.00
HUNTLEY___63 23557	43.83 -3.49 0.00	35.05 -3.08 0.00	33.51 -2.99 0.00	30.73 -2.97 0.00	34.07 -2.75 0.00	31.39 -3.09 0.00	45.68 -4.71 0.00	50.26 -4.37 0.00	41.08 -2.63 0.00	40.16 -2.09 0.00	40.60 -2.55 0.00	35.83 -2.53 0.00	33.13 -2.81 0.00	40.17 -3.26 0.00	38.21 -3.27 0.00	52.07 -3.52 0.00	51.99 -2.69 0.00	56.82 -2.78 0.00	63.99 -2.70 0.00	75.41 -4.85 0.00	49.91 -3.59 0.00	49.66 -4.22 0.00	40.87 -3.47 0.00	40.56 -2.73 0.00
HUNTLEY___64 23558	43.83 -3.49 0.00	35.05 -3.08 0.00	33.51 -2.99 0.00	30.73 -2.97 0.00	34.07 -2.75 0.00	31.39 -3.09 0.00	45.68 -4.71 0.00	50.26 -4.37 0.00	41.08 -2.63 0.00	40.16 -2.09 0.00	40.60 -2.55 0.00	35.83 -2.53 0.00	33.13 -2.81 0.00	40.17 -3.26 0.00	38.21 -3.27 0.00	52.07 -3.52 0.00	51.99 -2.69 0.00	56.82 -2.78 0.00	63.99 -2.70 0.00	75.41 -4.85 0.00	49.91 -3.59 0.00	49.66 -4.22 0.00	40.87 -3.47 0.00	40.56 -2.73 0.00
HUNTLEY___65 23559	43.83 -3.49 0.00	35.05 -3.08 0.00	33.51 -2.99 0.00	30.73 -2.97 0.00	34.07 -2.75 0.00	31.39 -3.09 0.00	45.68 -4.71 0.00	50.26 -4.37 0.00	41.08 -2.63 0.00	40.16 -2.09 0.00	40.60 -2.55 0.00	35.83 -2.53 0.00	33.13 -2.81 0.00	40.17 -3.26 0.00	38.21 -3.27 0.00	52.07 -3.52 0.00	51.99 -2.69 0.00	56.82 -2.78 0.00	63.99 -2.70 0.00	75.41 -4.85 0.00	49.91 -3.59 0.00	49.66 -4.22 0.00	40.87 -3.47 0.00	40.56 -2.73 0.00
HUNTLEY___66 23560	43.83 -3.49 0.00	35.05 -3.08 0.00	33.51 -2.99 0.00	30.73 -2.97 0.00	34.07 -2.75 0.00	31.39 -3.09 0.00	45.68 -4.71 0.00	50.26 -4.37 0.00	41.08 -2.63 0.00	40.16 -2.09 0.00	40.60 -2.55 0.00	35.83 -2.53 0.00	33.13 -2.81 0.00	40.17 -3.26 0.00	38.21 -3.27 0.00	52.07 -3.52 0.00	51.99 -2.69 0.00	56.82 -2.78 0.00	63.99 -2.70 0.00	75.41 -4.85 0.00	49.91 -3.59 0.00	49.66 -4.22 0.00	40.87 -3.47 0.00	40.56 -2.73 0.00
HUNTLEY___67 23561	43.79 -3.53 0.00	35.03 -3.10 0.00	33.55 -2.95 0.00	30.77 -2.93 0.00	34.11 -2.72 0.00	31.47 -3.00 0.00	45.93 -4.46 0.00	50.56 -4.08 0.00	41.29 -2.42 0.00	40.36 -1.89 0.00	40.86 -2.30 0.00	36.02 -2.33 0.00	33.34 -2.60 0.00	40.44 -2.99 0.00	38.44 -3.03 0.00	52.30 -3.29 0.00	52.19 -2.49 0.00	57.02 -2.58 0.00	64.22 -2.47 0.00	75.77 -4.50 0.00	50.10 -3.40 0.00	49.93 -3.95 0.00	40.90 -3.44 0.00	40.53 -2.77 0.00
HUNTLEY___68 23562	43.79 -3.53 0.00	35.03 -3.10 0.00	33.55 -2.95 0.00	30.77 -2.93 0.00	34.11 -2.72 0.00	31.47 -3.00 0.00	45.93 -4.46 0.00	50.56 -4.08 0.00	41.29 -2.42 0.00	40.36 -1.89 0.00	40.86 -2.30 0.00	36.02 -2.33 0.00	33.34 -2.60 0.00	40.44 -2.99 0.00	38.44 -3.03 0.00	52.30 -3.29 0.00	52.19 -2.49 0.00	57.02 -2.58 0.00	64.22 -2.47 0.00	75.77 -4.50 0.00	50.10 -3.40 0.00	49.93 -3.95 0.00	40.90 -3.44 0.00	40.53 -2.77 0.00

HYLAND___LFGE 323620	46.45 -0.87 0.00	37.14 -1.00 0.00	35.57 -0.94 0.00	32.67 -1.02 0.00	36.13 -0.70 0.00	33.75 -0.72 0.00	49.86 -0.53 0.00	54.78 0.14 0.00	44.03 0.32 0.00	41.42 -0.83 0.00	42.57 -0.58 0.00	37.17 -1.18 0.00	34.59 -1.34 0.00	41.78 -1.65 0.00	39.55 -1.92 0.00	53.65 -1.94 0.00	54.01 -0.67 0.00	59.88 0.28 0.00	67.53 0.84 0.00	79.93 -0.33 0.00	52.93 -0.56 0.00	52.62 -1.26 0.00	43.91 -0.42 0.00	43.60 0.30 0.00
INDECK___CORINTH 23802	48.65 1.33 0.00	39.27 1.13 0.00	37.48 0.98 0.00	34.69 1.00 0.00	37.83 1.00 0.00	35.76 1.29 0.00	52.02 1.64 0.00	56.21 1.58 0.00	44.50 0.79 0.00	42.68 0.43 0.00	43.70 0.55 0.00	39.33 0.97 0.00	36.73 0.79 0.00	44.60 1.18 0.00	42.58 1.11 0.00	57.02 1.43 0.00	56.68 2.00 0.00	61.34 1.74 0.00	68.65 1.96 0.00	82.99 2.72 0.00	55.63 2.13 0.00	55.32 1.44 0.00	45.44 1.10 0.00	44.44 1.14 0.00
INDECK___ILION 23567	48.12 0.80 0.00	38.85 0.72 0.00	37.20 0.70 0.00	34.39 0.70 0.00	37.51 0.69 0.00	35.27 0.79 0.00	51.49 1.09 0.00	55.59 0.96 0.00	44.17 0.46 0.00	42.56 0.31 0.00	43.51 0.35 0.00	38.79 0.43 0.00	36.34 0.40 0.00	44.03 0.61 0.00	41.93 0.46 0.00	56.43 0.84 0.00	56.02 1.35 0.00	60.95 1.35 0.00	68.28 1.59 0.00	82.37 2.11 0.00	54.99 1.49 0.00	55.08 1.20 0.00	45.27 0.93 0.00	44.19 0.89 0.00
INDECK___OLEAN 23982	44.47 -2.85 0.00	35.65 -2.48 0.00	34.13 -2.37 0.00	31.35 -2.34 0.00	34.65 -2.18 0.00	32.28 -2.19 0.00	47.39 -3.00 0.00	51.95 -2.68 0.00	41.99 -1.73 0.00	40.92 -1.33 0.00	41.70 -1.45 0.00	36.70 -1.66 0.00	34.01 -1.93 0.00	41.18 -2.25 0.00	39.12 -2.35 0.00	53.06 -2.53 0.00	52.85 -1.83 0.00	57.84 -1.75 0.00	65.14 -1.56 0.00	76.97 -3.30 0.00	50.87 -2.63 0.00	50.83 -3.05 0.00	41.72 -2.62 0.00	41.13 -2.17 0.00
INDECK___OSWEGO 23783	45.52 -1.80 0.00	36.69 -1.45 0.00	35.13 -1.38 0.00	32.42 -1.28 0.00	35.43 -1.40 0.00	33.24 -1.23 0.00	48.61 -1.78 0.00	52.71 -1.92 0.00	42.26 -1.46 0.00	40.76 -1.50 0.00	41.66 -1.50 0.00	37.05 -1.30 0.00	34.63 -1.30 0.00	41.78 -1.65 0.00	39.71 -1.76 0.00	53.20 -2.39 0.00	52.56 -2.12 0.00	57.27 -2.33 0.00	64.10 -2.59 0.00	77.00 -3.26 0.00	51.41 -2.09 0.00	51.97 -1.91 0.00	42.84 -1.50 0.00	41.80 -1.50 0.00
INDECK___YERKES 23781	43.87 -3.44 0.00	35.08 -3.05 0.00	33.54 -2.97 0.00	30.76 -2.94 0.00	34.09 -2.73 0.00	31.41 -3.06 0.00	45.72 -4.68 0.00	50.30 -4.33 0.00	41.11 -2.61 0.00	40.20 -2.05 0.00	40.65 -2.51 0.00	35.86 -2.50 0.00	33.14 -2.79 0.00	40.19 -3.24 0.00	38.24 -3.23 0.00	52.12 -3.47 0.00	52.06 -2.61 0.00	56.88 -2.73 0.00	64.06 -2.63 0.00	75.48 -4.79 0.00	49.96 -3.54 0.00	49.69 -4.19 0.00	40.90 -3.44 0.00	40.60 -2.70 0.00
INDIAN POINT_GT_1 24139	49.11 1.79 0.00	39.67 1.54 0.00	37.87 1.37 0.00	34.93 1.24 0.00	38.22 1.40 0.00	36.11 1.63 0.00	52.52 2.13 0.00	56.81 2.18 0.00	45.45 1.74 0.00	44.23 1.95 -0.04	45.40 2.25 0.00	40.57 2.20 -0.01	37.91 1.95 -0.03	45.84 2.41 -0.01	43.61 2.14 0.00	57.85 2.27 0.00	56.96 2.29 0.00	61.88 2.28 0.00	68.98 2.29 0.00	83.03 2.77 0.00	55.48 1.98 0.00	55.85 1.97 0.00	46.02 1.69 0.00	44.71 1.41 0.00
INDIAN POINT_GT_2 23659	49.11 1.79 0.00	39.67 1.54 0.00	37.87 1.37 0.00	34.93 1.24 0.00	38.22 1.40 0.00	36.11 1.63 0.00	52.52 2.13 0.00	56.81 2.18 0.00	45.45 1.74 0.00	44.23 1.95 -0.04	45.40 2.25 0.00	40.57 2.20 -0.01	37.91 1.95 -0.03	45.84 2.41 -0.01	43.61 2.14 0.00	57.85 2.27 0.00	56.96 2.29 0.00	61.88 2.28 0.00	68.98 2.29 0.00	83.03 2.77 0.00	55.48 1.98 0.00	55.85 1.97 0.00	46.02 1.69 0.00	44.71 1.41 0.00
INDIAN POINT_GT_3 24019	49.11 1.79 0.00	39.67 1.54 0.00	37.87 1.37 0.00	34.93 1.24 0.00	38.22 1.40 0.00	36.11 1.63 0.00	52.52 2.13 0.00	56.81 2.18 0.00	45.45 1.74 0.00	44.23 1.95 -0.04	45.40 2.25 0.00	40.57 2.20 -0.01	37.91 1.95 -0.03	45.84 2.41 -0.01	43.61 2.14 0.00	57.85 2.27 0.00	56.96 2.29 0.00	61.88 2.28 0.00	68.98 2.29 0.00	83.03 2.77 0.00	55.48 1.98 0.00	55.85 1.97 0.00	46.02 1.69 0.00	44.71 1.41 0.00
INDIAN POINT___2 23530	49.04 1.72 0.00	39.61 1.48 0.00	37.83 1.33 0.00	34.90 1.20 0.00	38.18 1.36 0.00	36.07 1.60 0.00	52.45 2.06 0.00	56.74 2.10 0.00	45.38 1.66 0.00	44.13 1.88 0.00	45.34 2.18 0.00	40.50 2.14 0.00	37.83 1.90 0.00	45.78 2.35 0.00	43.54 2.07 0.00	57.78 2.19 0.00	56.89 2.22 0.00	61.81 2.21 0.00	68.91 2.22 0.00	82.96 2.70 0.00	55.39 1.90 0.00	55.77 1.89 0.00	45.96 1.62 0.00	44.66 1.36 0.00
INDIAN POINT___3 23531	49.11 1.79 0.00	39.67 1.54 0.00	37.89 1.38 0.00	34.95 1.25 0.00	38.23 1.40 0.00	36.12 1.65 0.00	52.52 2.13 0.00	56.82 2.19 0.00	45.46 1.75 0.00	44.25 1.96 -0.04	45.42 2.27 0.00	40.60 2.22 -0.02	37.93 1.96 -0.03	45.87 2.43 -0.01	43.63 2.16 0.00	57.89 2.30 0.00	56.98 2.30 0.00	61.88 2.28 0.00	68.98 2.29 0.00	83.03 2.77 0.00	55.48 1.98 0.00	55.85 1.97 0.00	46.03 1.69 0.00	44.71 1.41 0.00
INGHAM_C_115KV_TB7 356103	49.31 1.99 0.00	39.85 1.72 0.00	38.16 1.65 0.00	35.34 1.64 0.00	38.47 1.64 0.00	36.27 1.79 0.00	52.93 2.54 0.00	56.88 2.25 0.00	44.77 1.05 0.00	42.94 0.69 0.00	43.95 0.80 0.00	39.30 0.94 0.00	36.87 0.93 0.00	44.79 1.37 0.00	42.51 1.04 0.00	57.53 1.94 0.00	57.65 2.98 0.00	62.66 3.06 0.00	70.28 3.59 0.00	84.97 4.70 0.00	56.77 3.28 0.00	56.61 2.73 0.00	46.52 2.18 0.00	45.39 2.09 0.00
IP CORINTH___1 23988	48.90 1.58 0.00	39.46 1.33 0.00	37.67 1.17 0.00	34.86 1.17 0.00	38.01 1.19 0.00	35.94 1.47 0.00	52.32 1.93 0.00	56.52 1.89 0.00	44.74 1.03 0.00	42.90 0.65 0.00	43.93 0.78 0.00	39.53 1.17 0.00	36.92 0.98 0.00	44.84 1.41 0.00	42.80 1.32 0.00	57.34 1.75 0.00	57.00 2.33 0.00	61.69 2.09 0.00	69.04 2.35 0.00	83.44 3.18 0.00	55.94 2.44 0.00	55.63 1.75 0.00	45.68 1.34 0.00	44.67 1.37 0.00
IP___TICONDEROGA 23804	51.27 3.95 0.00	41.38 3.25 0.00	39.30 2.80 0.00	36.49 2.80 0.00	39.65 2.83 0.00	37.84 3.36 0.00	54.87 4.48 0.00	59.11 4.48 0.00	46.65 2.94 0.00	44.42 2.17 0.00	45.78 2.62 0.00	41.53 3.18 0.00	38.64 2.70 0.00	47.30 3.87 0.00	45.01 3.53 0.00	60.90 5.31 0.00	61.14 6.47 0.00	65.40 5.79 0.00	73.29 6.60 0.00	89.12 8.85 0.00	59.93 6.43 0.00	58.84 4.96 0.00	48.25 3.91 0.00	47.44 4.14 0.00
ISLIP_RES_REC 323679	49.18 1.86 0.00	39.87 1.74 0.00	38.02 1.52 0.00	35.11 1.41 0.00	38.38 1.55 0.00	36.45 1.98 0.00	51.45 1.82 0.76	56.58 1.78 -0.17	61.65 1.54 -16.40	51.83 1.98 -7.60	55.31 2.65 -9.50	44.43 2.64 -3.44	46.23 2.16 -8.14	58.73 2.60 -12.70	50.04 2.24 -6.33	61.63 2.14 -3.91	57.55 2.20 -0.68	62.98 2.13 -1.26	76.59 1.97 -7.93	94.06 2.41 -11.38	67.58 1.79 -12.29	67.61 1.77 -11.97	59.50 2.03 -13.13	57.70 1.60 -12.79

JAMAICA__27_KV_LOAD 355505	49.79 2.47 0.00	40.29 2.16 0.00	38.45 1.95 0.00	35.46 1.76 0.00	38.79 1.96 0.00	36.73 2.26 0.00	53.34 2.95 0.00	57.70 3.07 0.00	46.24 2.52 0.00	46.44 2.79 -1.41	46.28 3.13 -0.01	42.09 3.14 -0.58	39.86 2.86 -1.06	47.02 3.34 -0.25	44.51 3.03 -0.01	58.84 3.25 0.00	57.91 3.24 0.00	62.90 3.30 0.00	70.05 3.36 0.00	84.32 4.06 0.00	56.40 2.90 0.00	56.80 2.92 0.00	46.77 2.43 0.00	45.37 2.08 0.00
JANIS__SOLAR 323808	47.57 0.25 0.00	38.27 0.14 0.00	36.65 0.15 0.00	33.81 0.11 0.00	37.14 0.31 0.00	34.91 0.43 0.00	51.33 0.94 0.00	55.83 1.19 0.00	44.48 0.77 0.00	42.75 0.51 0.00	43.56 0.40 0.00	38.47 0.11 0.00	36.16 0.23 0.00	43.12 -0.31 0.00	41.45 -0.03 0.00	55.87 0.28 0.00	56.44 1.77 0.00	61.83 2.23 0.00	69.38 2.69 0.00	83.31 3.04 0.00	55.50 2.00 0.00	55.70 1.82 0.00	45.75 1.41 0.00	44.63 1.33 0.00
JARVIS____ 23743	47.35 0.03 0.00	38.19 0.06 0.00	36.54 0.04 0.00	33.73 0.04 0.00	36.86 0.03 0.00	34.58 0.11 0.00	50.51 0.12 0.00	54.70 0.07 0.00	43.71 0.00 0.00	42.23 -0.02 0.00	43.16 0.00 0.00	38.43 0.08 0.00	35.99 0.06 0.00	43.52 0.09 0.00	41.54 0.06 0.00	55.64 0.05 0.00	54.86 0.19 0.00	59.70 0.10 0.00	66.76 0.07 0.00	80.41 0.14 0.00	53.65 0.15 0.00	53.90 0.02 0.00	44.34 0.00 0.00	43.27 -0.03 0.00
JENNISON____1 23625	47.79 0.47 0.00	38.49 0.36 0.00	36.82 0.32 0.00	33.96 0.27 0.00	37.36 0.53 0.00	35.11 0.64 0.00	51.50 1.11 0.00	55.97 1.34 0.00	44.72 1.00 0.00	43.15 0.90 0.00	44.10 0.95 0.00	39.11 0.75 0.00	36.59 0.66 0.00	43.97 0.55 0.00	42.04 0.57 0.00	56.68 1.09 0.00	56.58 1.91 0.00	61.47 1.87 0.00	68.98 2.29 0.00	82.91 2.65 0.00	55.50 2.01 0.00	55.93 2.06 0.00	45.97 1.63 0.00	44.85 1.55 0.00
JENNISON____2 23626	47.79 0.47 0.00	38.49 0.36 0.00	36.82 0.32 0.00	33.96 0.27 0.00	37.36 0.53 0.00	35.11 0.64 0.00	51.50 1.11 0.00	55.97 1.34 0.00	44.72 1.00 0.00	43.15 0.90 0.00	44.10 0.95 0.00	39.11 0.75 0.00	36.59 0.66 0.00	43.97 0.55 0.00	42.04 0.57 0.00	56.68 1.09 0.00	56.58 1.91 0.00	61.47 1.87 0.00	68.98 2.29 0.00	82.91 2.65 0.00	55.50 2.01 0.00	55.93 2.06 0.00	45.97 1.63 0.00	44.85 1.55 0.00
JERICOHO_RISE_WT_PWR 323719	47.87 0.55 0.00	38.35 0.22 0.00	36.79 0.29 0.00	33.95 0.25 0.00	37.09 0.26 0.00	34.13 -0.34 0.00	50.19 -0.20 0.00	54.48 -0.16 0.00	43.85 0.14 0.00	42.24 -0.01 0.00	43.02 -0.13 0.00	37.99 -0.36 0.00	35.65 -0.28 0.00	42.88 -0.55 0.00	41.07 -0.40 0.00	55.33 -0.26 0.00	53.82 -0.86 0.00	59.13 -0.47 0.00	66.65 -0.04 0.00	80.74 0.47 0.00	53.51 0.01 0.00	54.48 0.60 0.00	45.19 0.85 0.00	44.27 0.97 0.00
KATONAH__115KV_46KV_TB4 355592	49.35 2.03 0.00	39.86 1.73 0.00	38.06 1.56 0.00	35.11 1.41 0.00	38.40 1.58 0.00	36.31 1.83 0.00	52.83 2.44 0.00	57.18 2.54 0.00	45.75 2.04 0.00	44.47 2.23 0.00	45.67 2.52 0.00	40.81 2.45 0.00	38.11 2.17 0.00	46.11 2.69 0.00	43.90 2.43 0.00	58.26 2.66 0.00	57.37 2.70 0.00	62.31 2.71 0.00	69.48 2.79 0.00	83.65 3.38 0.00	55.86 2.37 0.00	56.20 2.33 0.00	46.31 1.97 0.00	44.98 1.68 0.00
KCE_NY_1 323755	49.09 1.77 0.00	39.60 1.47 0.00	37.84 1.33 0.00	35.00 1.30 0.00	38.19 1.37 0.00	36.02 1.55 0.00	52.51 2.12 0.00	56.67 2.04 0.00	44.90 1.19 0.00	43.13 0.88 0.00	44.14 0.98 0.00	39.61 1.25 0.00	36.97 1.04 0.00	44.90 1.47 0.00	42.87 1.40 0.00	57.45 1.86 0.00	57.04 2.37 0.00	61.79 2.19 0.00	69.13 2.44 0.00	83.49 3.22 0.00	55.85 2.35 0.00	55.74 1.86 0.00	45.69 1.35 0.00	44.67 1.37 0.00
KCE_NY_6_ESR 323823	44.05 -3.27 0.00	35.25 -2.89 0.00	33.76 -2.74 0.00	30.96 -2.74 0.00	34.27 -2.55 0.00	31.71 -2.76 0.00	46.38 -4.01 0.00	51.03 -3.61 0.00	41.63 -2.08 0.00	40.68 -1.57 0.00	41.21 -1.95 0.00	36.33 -2.03 0.00	33.60 -2.34 0.00	40.80 -2.62 0.00	38.81 -2.67 0.00	52.86 -2.73 0.00	52.78 -1.90 0.00	57.70 -1.90 0.00	65.04 -1.65 0.00	76.76 -3.51 0.00	50.71 -2.79 0.00	50.50 -3.38 0.00	41.39 -2.95 0.00	41.00 -2.30 0.00
KEDC PORT_JEFF_GT2 24210	48.89 1.57 0.00	39.63 1.50 0.00	37.80 1.30 0.00	34.90 1.20 0.00	38.15 1.32 0.00	36.22 1.74 0.00	51.09 1.47 0.77	39.83 1.41 16.21	39.29 1.24 5.67	42.63 1.69 1.31	45.54 2.39 0.00	40.71 2.40 0.04	37.79 1.94 0.08	45.72 2.32 0.02	43.05 1.95 0.37	51.35 1.72 5.96	48.00 1.75 8.43	54.39 1.61 6.83	66.46 1.40 1.63	82.03 1.76 0.00	54.88 1.38 0.00	50.69 1.40 4.58	46.08 1.74 0.00	44.64 1.34 0.00
KEDC PORT_JEFF_GT3 24211	48.89 1.57 0.00	39.63 1.50 0.00	37.80 1.30 0.00	34.90 1.20 0.00	38.15 1.32 0.00	36.22 1.74 0.00	51.09 1.47 0.77	39.83 1.41 16.21	39.29 1.24 5.67	42.63 1.69 1.31	45.54 2.39 0.00	40.71 2.40 0.04	37.79 1.94 0.08	45.72 2.32 0.02	43.05 1.95 0.37	51.35 1.72 5.96	48.00 1.75 8.43	54.39 1.61 6.83	66.46 1.40 1.63	82.03 1.76 0.00	54.88 1.38 0.00	50.69 1.40 4.58	46.08 1.74 0.00	44.64 1.34 0.00
KEDC_GLWD_GT4 24219	49.53 2.21 0.00	40.02 1.90 0.00	38.20 1.70 0.00	35.25 1.55 0.00	38.55 1.73 0.00	36.47 2.00 0.00	52.60 2.44 0.23	52.31 2.56 4.88	44.12 2.11 1.71	44.22 2.44 0.46	46.04 2.89 0.00	41.13 2.81 0.04	38.29 2.44 0.08	46.38 2.97 0.02	44.01 2.65 0.11	56.65 2.85 1.79	54.98 2.84 2.54	60.33 2.78 2.05	68.98 2.78 0.49	83.68 3.41 0.00	55.97 2.47 0.00	54.96 2.46 1.38	46.59 2.25 0.00	45.19 1.89 0.00
KEDC_GLWD_GT5 24220	49.53 2.21 0.00	40.02 1.90 0.00	38.20 1.70 0.00	35.25 1.55 0.00	38.55 1.73 0.00	36.47 2.00 0.00	52.60 2.44 0.23	52.31 2.56 4.88	44.12 2.11 1.71	44.22 2.44 0.46	46.04 2.89 0.00	41.13 2.81 0.04	38.29 2.44 0.08	46.38 2.97 0.02	44.01 2.65 0.11	56.65 2.85 1.79	54.98 2.84 2.54	60.33 2.78 2.05	68.98 2.78 0.49	83.68 3.41 0.00	55.97 2.47 0.00	54.96 2.46 1.38	46.59 2.25 0.00	45.19 1.89 0.00
KENSICO____ 23655	49.25 1.93 0.00	39.78 1.65 0.00	37.97 1.47 0.00	35.03 1.34 0.00	38.33 1.50 0.00	36.23 1.75 0.00	52.66 2.27 0.00	56.97 2.34 0.00	45.60 1.89 0.00	44.40 2.11 -0.05	45.58 2.43 0.00	40.75 2.37 -0.02	38.06 2.09 -0.04	46.02 2.58 -0.01	43.78 2.31 0.00	58.07 2.48 0.00	57.14 2.47 0.00	62.05 2.44 0.00	69.14 2.45 0.00	83.25 2.99 0.00	55.63 2.13 0.00	55.99 2.12 0.00	46.16 1.82 0.00	44.83 1.53 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	49.28 1.96 0.00	39.79 1.65 0.00	38.00 1.50 0.00	35.06 1.37 0.00	38.38 1.55 0.00	36.24 1.77 0.00	52.82 2.43 0.00	57.21 2.58 0.00	45.71 2.00 0.00	44.30 2.06 0.00	45.43 2.27 0.00	40.58 2.22 0.00	37.87 1.94 0.00	45.93 2.51 0.00	43.76 2.29 0.00	58.24 2.65 0.00	57.46 2.79 0.00	62.58 2.98 0.00	69.86 3.17 0.00	84.09 3.82 0.00	56.14 2.64 0.00	56.47 2.60 0.00	46.47 2.14 0.00	45.13 1.83 0.00

KIAC_JFK_GT1 23816	49.65 2.33 0.00	40.18 2.05 0.00	38.34 1.84 0.00	35.36 1.67 0.00	38.68 1.86 0.00	36.62 2.15 0.00	53.18 2.79 0.00	57.52 2.89 0.00	46.10 2.39 0.00	46.31 2.65 -1.41	46.15 2.99 -0.01	41.96 3.02 -0.58	39.74 2.74 -1.06	46.89 3.21 -0.25	44.38 2.89 -0.01	58.66 3.07 0.00	57.71 3.04 0.00	62.67 3.06 0.00	69.79 3.09 0.00	83.99 3.73 0.00	56.19 2.69 0.00	56.60 2.72 0.00	46.61 2.28 0.00	45.23 1.94 0.00
KIAC_JFK_GT2 23817	49.65 2.33 0.00	40.18 2.05 0.00	38.34 1.84 0.00	35.36 1.67 0.00	38.68 1.86 0.00	36.62 2.15 0.00	53.18 2.79 0.00	57.52 2.89 0.00	46.10 2.39 0.00	46.31 2.65 -1.41	46.15 2.99 -0.01	41.96 3.02 -0.58	39.74 2.74 -1.06	46.89 3.21 -0.25	44.38 2.89 -0.01	58.66 3.07 0.00	57.71 3.04 0.00	62.67 3.06 0.00	69.79 3.09 0.00	83.99 3.73 0.00	56.19 2.69 0.00	56.60 2.72 0.00	46.61 2.28 0.00	45.23 1.94 0.00
KIAC_JFK____ 323774	49.65 2.33 0.00	40.18 2.04 0.00	38.34 1.84 0.00	35.37 1.67 0.00	38.68 1.86 0.00	36.62 2.15 0.00	53.18 2.79 0.00	57.52 2.89 0.00	46.10 2.39 0.00	46.31 2.66 -1.41	46.15 2.99 -0.01	41.96 3.02 -0.58	39.75 2.75 -1.06	46.90 3.22 -0.25	44.38 2.89 -0.01	58.65 3.06 0.00	57.71 3.03 0.00	62.66 3.06 0.00	69.79 3.10 0.00	84.00 3.73 0.00	56.19 2.69 0.00	56.60 2.72 0.00	46.61 2.28 0.00	45.24 1.94 0.00
KINTIGH__24_KV_GSU 356498	44.32 -3.00 0.00	35.48 -2.65 0.00	33.99 -2.51 0.00	31.21 -2.49 0.00	34.52 -2.30 0.00	31.95 -2.53 0.00	46.64 -3.75 0.00	51.22 -3.42 0.00	41.70 -2.01 0.00	40.68 -1.58 0.00	41.25 -1.91 0.00	36.42 -1.94 0.00	33.73 -2.21 0.00	40.85 -2.58 0.00	38.87 -2.61 0.00	52.76 -2.83 0.00	52.54 -2.14 0.00	57.35 -2.26 0.00	64.52 -2.17 0.00	76.37 -3.89 0.00	50.56 -2.94 0.00	50.41 -3.47 0.00	41.30 -3.04 0.00	40.81 -2.48 0.00
KINTIGH____ 23543	44.28 -3.04 0.00	35.46 -2.68 0.00	33.97 -2.54 0.00	31.19 -2.51 0.00	34.49 -2.34 0.00	31.93 -2.55 0.00	46.62 -3.77 0.00	51.18 -3.45 0.00	41.68 -2.03 0.00	40.65 -1.60 0.00	41.22 -1.94 0.00	36.40 -1.96 0.00	33.71 -2.23 0.00	40.83 -2.60 0.00	38.84 -2.63 0.00	52.72 -2.87 0.00	52.49 -2.18 0.00	57.32 -2.27 0.00	64.48 -2.21 0.00	76.30 -3.96 0.00	50.52 -2.97 0.00	50.40 -3.48 0.00	41.28 -3.06 0.00	40.79 -2.51 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	48.29 0.97 0.00	38.68 0.55 0.00	37.07 0.57 0.00	34.22 0.53 0.00	37.43 0.61 0.00	34.45 -0.03 0.00	50.67 0.28 0.00	55.07 0.44 0.00	44.28 0.56 0.00	42.52 0.27 0.00	43.29 0.13 0.00	38.28 -0.07 0.00	35.91 -0.02 0.00	43.15 -0.27 0.00	41.30 -0.17 0.00	55.72 0.13 0.00	54.18 -0.50 0.00	59.61 0.01 0.00	67.23 0.53 0.00	81.36 1.09 0.00	53.95 0.45 0.00	54.99 1.12 0.00	45.74 1.40 0.00	44.81 1.52 0.00
LACHUTE____HYDRO 323717	51.28 3.95 0.00	41.38 3.25 0.00	39.30 2.80 0.00	36.49 2.80 0.00	39.65 2.83 0.00	37.84 3.36 0.00	54.87 4.48 0.00	59.11 4.48 0.00	46.66 2.94 0.00	44.42 2.17 0.00	45.78 2.63 0.00	41.53 3.18 0.00	38.64 2.70 0.00	47.30 3.87 0.00	45.00 3.53 0.00	60.90 5.31 0.00	61.13 6.45 0.00	65.39 5.79 0.00	73.29 6.60 0.00	89.12 8.85 0.00	59.93 6.43 0.00	58.84 4.96 0.00	48.25 3.91 0.00	47.44 4.14 0.00
LAWRNCALV_115KV_TB1 80681	49.10 1.78 0.00	39.40 1.27 0.00	37.79 1.29 0.00	34.73 1.03 0.00	37.96 1.14 0.00	35.15 0.68 0.00	51.78 1.39 0.00	56.31 1.68 0.00	45.21 1.50 0.00	43.50 1.25 0.00	44.18 1.03 0.00	39.01 0.65 0.00	36.56 0.62 0.00	44.09 0.66 0.00	42.37 0.90 0.00	56.86 1.27 0.00	55.33 0.66 0.00	60.63 1.03 0.00	67.96 1.27 0.00	82.01 1.75 0.00	54.50 1.00 0.00	55.68 1.80 0.00	46.15 1.82 0.00	45.14 1.84 0.00
LEDERLE____ 23769	49.32 2.00 0.00	39.84 1.70 0.00	38.04 1.53 0.00	35.09 1.39 0.00	38.40 1.57 0.00	36.28 1.80 0.00	52.78 2.39 0.00	57.12 2.49 0.00	45.68 1.97 0.00	44.43 2.19 0.00	45.65 2.50 0.00	40.80 2.44 0.00	38.10 2.16 0.00	46.12 2.69 0.00	43.88 2.41 0.00	58.22 2.63 0.00	57.34 2.66 0.00	62.31 2.71 0.00	69.46 2.77 0.00	83.63 3.36 0.00	55.81 2.31 0.00	56.17 2.30 0.00	46.27 1.94 0.00	44.94 1.65 0.00
LIGHTHSE_115KV_TB6 355974	46.12 -1.20 0.00	37.13 -1.00 0.00	35.61 -0.89 0.00	32.63 -1.06 0.00	35.70 -1.13 0.00	33.54 -0.94 0.00	49.18 -1.21 0.00	53.38 -1.25 0.00	42.88 -0.83 0.00	40.99 -1.26 0.00	41.92 -1.23 0.00	37.39 -0.97 0.00	34.83 -1.11 0.00	42.02 -1.41 0.00	40.20 -1.28 0.00	53.98 -1.61 0.00	53.59 -1.08 0.00	58.56 -1.04 0.00	65.58 -1.11 0.00	78.80 -1.46 0.00	52.62 -0.88 0.00	53.21 -0.67 0.00	43.81 -0.53 0.00	42.74 -0.56 0.00
LINDEN COGEN____ 23786	49.56 2.24 0.00	40.04 1.91 0.00	38.21 1.71 0.00	35.25 1.55 0.00	38.57 1.75 0.00	36.50 2.03 0.00	53.03 2.65 0.00	57.36 2.73 0.00	45.94 2.23 0.00	46.16 2.48 -1.43	45.95 2.79 -0.01	41.66 2.71 -0.59	39.43 2.41 -1.08	46.63 2.95 -0.25	44.11 2.63 -0.01	58.27 2.68 0.00	57.31 2.64 0.00	62.20 2.59 0.00	69.26 2.57 0.00	83.37 3.11 0.00	55.79 2.29 0.00	56.19 2.31 0.00	46.33 1.99 0.00	44.96 1.66 0.00
LINDHRST_69_KV_BK1 356055	49.63 2.32 0.00	40.15 2.02 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.62 1.80 0.00	36.60 2.12 0.00	52.09 2.32 0.61	44.25 2.44 12.82	41.24 2.01 4.48	43.55 2.36 1.06	46.14 2.99 0.00	41.18 2.87 0.04	38.26 2.41 0.08	46.32 2.91 0.02	43.82 2.64 0.29	53.72 2.85 4.71	50.94 2.93 6.66	57.10 2.89 5.40	68.23 2.83 1.29	83.75 3.48 0.00	56.05 2.55 0.00	52.77 2.51 3.62	46.86 2.52 0.00	45.36 2.06 0.00
LIPA_MISC_IPP 23656	48.48 1.16 0.00	39.39 1.26 0.00	37.56 1.06 0.00	34.69 0.99 0.00	37.92 1.09 0.00	36.02 1.55 0.00	50.63 1.02 0.78	-33.66 -0.78 89.08	-60.23 0.79 104.73	2.17 1.30 41.38	2.32 1.97 42.81	24.73 2.08 15.71	0.47 1.64 37.11	-11.96 1.95 57.34	12.60 1.61 30.48	6.80 1.27 50.06	6.91 1.19 48.96	17.72 0.95 42.84	22.71 0.65 44.62	29.87 0.88 51.27	-1.05 0.80 55.35	-24.18 0.79 78.85	-13.54 1.28 59.16	-13.42 0.91 57.63
LISF__SOLAR 323691	48.55 1.23 0.00	39.45 1.32 0.00	37.62 1.12 0.00	34.74 1.05 0.00	37.97 1.15 0.00	36.08 1.61 0.00	50.74 1.12 0.78	-59.28 0.86 114.78	-95.19 0.85 139.76	-11.94 1.36 55.55	-12.78 2.02 57.95	19.21 2.10 21.25	-12.59 1.69 50.21	-32.18 2.01 77.62	1.99 1.65 41.13	-8.73 1.32 65.63	-7.33 1.25 63.26	5.13 1.07 55.54	7.65 0.78 59.83	11.89 1.04 69.41	-20.54 0.90 74.94	-50.33 0.89 105.10	-34.41 1.34 80.09	-33.75 0.97 78.02
LITTLE FALLS__HYD 24013	49.31 1.99 0.00	39.85 1.72 0.00	38.16 1.65 0.00	35.34 1.64 0.00	38.47 1.64 0.00	36.27 1.79 0.00	52.93 2.54 0.00	56.88 2.25 0.00	44.77 1.05 0.00	42.94 0.69 0.00	43.95 0.80 0.00	39.30 0.94 0.00	36.87 0.93 0.00	44.79 1.37 0.00	42.51 1.04 0.00	57.53 1.94 0.00	57.65 2.98 0.00	62.66 3.06 0.00	70.28 3.59 0.00	84.97 4.70 0.00	56.77 3.28 0.00	56.61 2.73 0.00	46.52 2.18 0.00	45.39 2.09 0.00

LITTLRIV_115KV_TB1 356100	49.73 2.41 0.00	39.90 1.76 0.00	38.27 1.77 0.00	35.16 1.46 0.00	38.47 1.64 0.00	35.60 1.13 0.00	52.52 2.13 0.00	57.11 2.48 0.00	45.83 2.12 0.00	44.03 1.78 0.00	44.64 1.49 0.00	39.24 0.88 0.00	36.74 0.81 0.00	44.40 0.97 0.00	42.77 1.29 0.00	57.31 1.72 0.00	56.05 1.37 0.00	61.62 2.02 0.00	69.09 2.40 0.00	83.31 3.04 0.00	55.31 1.82 0.00	56.48 2.61 0.00	46.79 2.46 0.00	45.72 2.43 0.00
LI_NEWBRDGE___DRP 323616	49.08 1.76 0.00	39.71 1.58 0.00	37.88 1.38 0.00	34.97 1.27 0.00	38.23 1.40 0.00	36.18 1.70 0.00	51.32 1.77 0.84	38.89 1.84 17.59	39.12 1.56 6.15	42.79 1.96 1.41	45.70 2.55 0.00	40.82 2.51 0.04	37.98 2.12 0.08	45.90 2.50 0.02	43.25 2.18 0.40	51.30 2.17 6.46	47.66 2.13 9.14	54.14 1.94 7.40	66.73 1.82 1.77	82.60 2.33 0.00	55.30 1.80 0.00	50.71 1.80 4.97	46.26 1.92 0.00	44.83 1.53 0.00
LOCKPORT_115KV_TB60_63_64 80432	43.99 -3.33 0.00	35.18 -2.95 0.00	33.68 -2.82 0.00	30.88 -2.81 0.00	34.25 -2.57 0.00	31.41 -3.06 0.00	45.74 -4.65 0.00	50.40 -4.23 0.00	41.20 -2.51 0.00	40.27 -1.98 0.00	40.69 -2.46 0.00	35.89 -2.46 0.00	33.20 -2.74 0.00	40.20 -3.23 0.00	38.26 -3.21 0.00	52.15 -3.44 0.00	52.06 -2.61 0.00	56.90 -2.70 0.00	64.04 -2.65 0.00	75.56 -4.70 0.00	49.97 -3.53 0.00	49.76 -4.12 0.00	40.78 -3.56 0.00	40.56 -2.74 0.00
LOCKPORT___CC1 323769	43.91 -3.41 0.00	35.11 -3.02 0.00	33.64 -2.87 0.00	30.84 -2.86 0.00	34.19 -2.63 0.00	31.40 -3.07 0.00	45.74 -4.66 0.00	50.38 -4.25 0.00	41.17 -2.54 0.00	40.26 -1.99 0.00	40.69 -2.46 0.00	35.88 -2.47 0.00	33.18 -2.75 0.00	40.19 -3.24 0.00	38.27 -3.21 0.00	52.15 -3.44 0.00	52.06 -2.61 0.00	56.90 -2.70 0.00	64.05 -2.64 0.00	75.54 -4.72 0.00	49.98 -3.52 0.00	49.74 -4.14 0.00	40.76 -3.58 0.00	40.52 -2.78 0.00
LOCKPORT___CC2 323770	43.91 -3.41 0.00	35.11 -3.02 0.00	33.64 -2.87 0.00	30.84 -2.86 0.00	34.19 -2.63 0.00	31.40 -3.07 0.00	45.74 -4.66 0.00	50.38 -4.25 0.00	41.17 -2.54 0.00	40.26 -1.99 0.00	40.69 -2.46 0.00	35.88 -2.47 0.00	33.18 -2.75 0.00	40.19 -3.24 0.00	38.27 -3.21 0.00	52.15 -3.44 0.00	52.06 -2.61 0.00	56.90 -2.70 0.00	64.05 -2.64 0.00	75.54 -4.72 0.00	49.98 -3.52 0.00	49.74 -4.14 0.00	40.76 -3.58 0.00	40.52 -2.78 0.00
LOCKPORT___CC3 323771	43.91 -3.41 0.00	35.11 -3.02 0.00	33.64 -2.87 0.00	30.84 -2.86 0.00	34.19 -2.63 0.00	31.40 -3.07 0.00	45.74 -4.66 0.00	50.38 -4.25 0.00	41.17 -2.54 0.00	40.26 -1.99 0.00	40.69 -2.46 0.00	35.88 -2.47 0.00	33.18 -2.75 0.00	40.19 -3.24 0.00	38.27 -3.21 0.00	52.15 -3.44 0.00	52.06 -2.61 0.00	56.90 -2.70 0.00	64.05 -2.64 0.00	75.54 -4.72 0.00	49.98 -3.52 0.00	49.74 -4.14 0.00	40.76 -3.58 0.00	40.52 -2.78 0.00
LOCUSVLY_69_KV_BK2 55797	49.43 2.11 0.00	39.97 1.84 0.00	38.13 1.63 0.00	35.19 1.49 0.00	38.48 1.66 0.00	36.42 1.94 0.00	52.23 2.21 0.37	49.21 2.34 7.76	42.94 1.95 2.71	43.90 2.34 0.68	46.05 2.90 0.00	41.15 2.84 0.04	38.27 2.41 0.08	46.32 2.91 0.02	43.87 2.57 0.17	55.47 2.74 2.85	53.33 2.69 4.04	58.95 2.62 3.27	68.49 2.58 0.78	83.47 3.20 0.00	55.83 2.34 0.00	54.01 2.33 2.19	46.64 2.30 0.00	45.20 1.90 0.00
LONG_LAKE_PHOENIX 24014	45.69 -1.63 0.00	36.82 -1.31 0.00	35.23 -1.27 0.00	32.55 -1.14 0.00	35.58 -1.24 0.00	33.39 -1.09 0.00	48.82 -1.57 0.00	52.97 -1.67 0.00	42.47 -1.25 0.00	41.02 -1.23 0.00	41.88 -1.28 0.00	37.21 -1.15 0.00	34.79 -1.15 0.00	42.09 -1.34 0.00	40.06 -1.41 0.00	53.89 -1.70 0.00	53.28 -1.39 0.00	58.06 -1.54 0.00	64.97 -1.73 0.00	78.00 -2.26 0.00	51.99 -1.51 0.00	52.28 -1.60 0.00	42.96 -1.38 0.00	41.91 -1.39 0.00
LOVETT___3 23632	49.10 1.78 0.00	39.67 1.54 0.00	37.88 1.37 0.00	34.94 1.24 0.00	38.22 1.40 0.00	36.11 1.64 0.00	52.51 2.12 0.00	56.81 2.18 0.00	45.45 1.73 0.00	44.19 1.94 0.00	45.42 2.26 0.00	40.57 2.22 0.00	37.89 1.96 0.00	45.85 2.42 0.00	43.62 2.15 0.00	57.85 2.26 0.00	56.95 2.27 0.00	61.88 2.28 0.00	68.98 2.29 0.00	83.03 2.77 0.00	55.46 1.96 0.00	55.83 1.95 0.00	46.01 1.67 0.00	44.71 1.41 0.00
LOVETT___4 23642	49.10 1.78 0.00	39.67 1.54 0.00	37.88 1.37 0.00	34.94 1.24 0.00	38.22 1.40 0.00	36.11 1.64 0.00	52.51 2.12 0.00	56.81 2.18 0.00	45.45 1.73 0.00	44.19 1.94 0.00	45.42 2.26 0.00	40.57 2.22 0.00	37.89 1.96 0.00	45.85 2.42 0.00	43.62 2.15 0.00	57.85 2.26 0.00	56.95 2.27 0.00	61.88 2.28 0.00	68.98 2.29 0.00	83.03 2.77 0.00	55.46 1.96 0.00	55.83 1.95 0.00	46.01 1.67 0.00	44.71 1.41 0.00
LOVETT___5 23593	49.10 1.78 0.00	39.67 1.54 0.00	37.88 1.37 0.00	34.94 1.24 0.00	38.22 1.40 0.00	36.11 1.64 0.00	52.51 2.12 0.00	56.81 2.18 0.00	45.45 1.73 0.00	44.19 1.94 0.00	45.42 2.26 0.00	40.57 2.22 0.00	37.89 1.96 0.00	45.85 2.42 0.00	43.62 2.15 0.00	57.85 2.26 0.00	56.95 2.27 0.00	61.88 2.28 0.00	68.98 2.29 0.00	83.03 2.77 0.00	55.46 1.96 0.00	55.83 1.95 0.00	46.01 1.67 0.00	44.71 1.41 0.00
LOWER RAQUET___HYD 24057	49.12 1.80 0.00	39.43 1.30 0.00	37.82 1.32 0.00	34.73 1.03 0.00	37.97 1.15 0.00	35.15 0.68 0.00	51.82 1.43 0.00	56.35 1.71 0.00	45.25 1.54 0.00	43.50 1.25 0.00	44.18 1.02 0.00	38.98 0.63 0.00	36.52 0.59 0.00	44.05 0.62 0.00	42.35 0.88 0.00	56.80 1.20 0.00	55.25 0.57 0.00	60.52 0.92 0.00	67.88 1.18 0.00	81.95 1.68 0.00	54.45 0.95 0.00	55.70 1.82 0.00	46.21 1.88 0.00	45.20 1.90 0.00
LOWER___HUDSON 24059	48.51 1.19 0.00	39.18 1.04 0.00	37.44 0.94 0.00	34.65 0.95 0.00	37.77 0.94 0.00	35.60 1.13 0.00	51.78 1.39 0.00	55.92 1.29 0.00	44.38 0.67 0.00	42.64 0.39 0.00	43.56 0.41 0.00	39.09 0.73 0.00	36.56 0.63 0.00	44.33 0.90 0.00	42.31 0.84 0.00	56.52 0.93 0.00	56.06 1.38 0.00	60.68 1.08 0.00	67.90 1.21 0.00	82.05 1.78 0.00	54.97 1.48 0.00	54.82 0.95 0.00	44.94 0.60 0.00	43.94 0.64 0.00
LOWVILLE_115KV_TB2 356335	47.50 0.18 0.00	38.23 0.10 0.00	36.74 0.24 0.00	33.20 -0.49 0.00	36.43 -0.39 0.00	34.36 -0.11 0.00	50.75 0.36 0.00	54.96 0.33 0.00	44.32 0.61 0.00	42.04 -0.21 0.00	42.73 -0.42 0.00	38.19 -0.17 0.00	35.48 -0.46 0.00	42.88 -0.55 0.00	41.33 -0.14 0.00	55.70 0.11 0.00	55.22 0.55 0.00	60.39 0.79 0.00	67.59 0.90 0.00	81.53 1.27 0.00	54.39 0.89 0.00	55.16 1.28 0.00	45.54 1.20 0.00	44.47 1.17 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	49.06 1.74 0.00	39.58 1.45 0.00	37.83 1.33 0.00	34.99 1.29 0.00	38.17 1.35 0.00	36.00 1.52 0.00	52.45 2.06 0.00	56.66 2.03 0.00	44.91 1.20 0.00	43.10 0.85 0.00	44.10 0.95 0.00	39.58 1.22 0.00	36.97 1.04 0.00	44.89 1.47 0.00	42.87 1.40 0.00	57.41 1.82 0.00	56.99 2.32 0.00	61.77 2.17 0.00	69.10 2.41 0.00	83.41 3.15 0.00	55.81 2.32 0.00	55.70 1.82 0.00	45.68 1.34 0.00	44.64 1.34 0.00

LUTHERNY_35_KV_BK2 355980	49.09 1.77 0.00	39.61 1.47 0.00	37.84 1.34 0.00	35.00 1.31 0.00	38.19 1.37 0.00	36.02 1.55 0.00	52.51 2.12 0.00	56.68 2.04 0.00	44.90 1.19 0.00	43.13 0.88 0.00	44.14 0.98 0.00	39.61 1.25 0.00	36.97 1.04 0.00	44.89 1.47 0.00	42.87 1.40 0.00	57.46 1.87 0.00	57.05 2.38 0.00	61.79 2.19 0.00	69.12 2.43 0.00	83.49 3.22 0.00	55.85 2.35 0.00	55.73 1.85 0.00	45.69 1.35 0.00	44.67 1.37 0.00
LWR___OSWEGATCHIE_HYD 23850	48.14 0.82 0.00	38.67 0.54 0.00	37.13 0.63 0.00	33.80 0.10 0.00	36.97 0.14 0.00	34.54 0.06 0.00	50.98 0.59 0.00	55.47 0.84 0.00	44.63 0.91 0.00	42.51 0.26 0.00	43.24 0.08 0.00	38.41 0.06 0.00	35.82 -0.11 0.00	43.12 -0.30 0.00	41.52 0.04 0.00	55.83 0.24 0.00	54.83 0.16 0.00	60.06 0.46 0.00	67.27 0.58 0.00	81.17 0.90 0.00	53.95 0.45 0.00	54.99 1.11 0.00	45.52 1.18 0.00	44.46 1.17 0.00
LYONS_FALL_HYD 23570	47.69 0.36 0.00	38.41 0.28 0.00	36.86 0.35 0.00	33.57 -0.12 0.00	36.79 -0.03 0.00	34.67 0.19 0.00	51.03 0.64 0.00	55.29 0.66 0.00	44.40 0.69 0.00	42.40 0.15 0.00	43.21 0.06 0.00	38.55 0.19 0.00	35.90 -0.04 0.00	43.43 0.00 0.00	41.67 0.20 0.00	56.07 0.48 0.00	55.55 0.88 0.00	60.66 1.06 0.00	67.85 1.15 0.00	81.76 1.49 0.00	54.51 1.01 0.00	55.08 1.20 0.00	45.37 1.04 0.00	44.28 0.98 0.00
MADISON___COUNTY_LFGE 323628	47.95 0.63 0.00	38.71 0.58 0.00	37.07 0.57 0.00	34.17 0.47 0.00	37.39 0.57 0.00	35.19 0.72 0.00	51.63 1.24 0.00	56.00 1.37 0.00	44.73 1.02 0.00	43.06 0.81 0.00	44.04 0.88 0.00	39.15 0.80 0.00	36.51 0.58 0.00	44.22 0.79 0.00	42.13 0.66 0.00	56.64 1.05 0.00	56.17 1.49 0.00	61.22 1.61 0.00	68.45 1.75 0.00	82.25 1.99 0.00	54.78 1.28 0.00	55.04 1.16 0.00	45.19 0.86 0.00	44.06 0.75 0.00
MALONE___115KV_TB1 356076	48.64 1.32 0.00	38.97 0.83 0.00	37.36 0.86 0.00	34.42 0.72 0.00	37.63 0.81 0.00	34.67 0.19 0.00	51.10 0.71 0.00	55.57 0.94 0.00	44.72 1.00 0.00	43.05 0.80 0.00	43.78 0.63 0.00	38.66 0.30 0.00	36.26 0.33 0.00	43.62 0.19 0.00	41.86 0.39 0.00	56.38 0.80 0.00	54.91 0.23 0.00	60.34 0.73 0.00	67.94 1.25 0.00	82.20 1.93 0.00	54.48 0.98 0.00	55.50 1.62 0.00	46.00 1.66 0.00	45.02 1.72 0.00
MAPLEWOD_115KV_TB3 80458	48.31 0.99 0.00	39.03 0.90 0.00	37.33 0.83 0.00	34.54 0.84 0.00	37.65 0.82 0.00	35.45 0.97 0.00	51.60 1.21 0.00	55.77 1.14 0.00	44.34 0.63 0.00	42.67 0.43 0.00	43.61 0.46 0.00	39.11 0.75 0.00	36.61 0.68 0.00	44.32 0.89 0.00	42.31 0.83 0.00	56.50 0.92 0.00	55.95 1.27 0.00	60.63 1.03 0.00	67.81 1.11 0.00	81.80 1.54 0.00	54.68 1.19 0.00	54.55 0.67 0.00	44.75 0.41 0.00	43.68 0.38 0.00
MAPLE_RIDGE_WT_1 323574	47.04 -0.28 0.00	37.92 -0.22 0.00	36.41 -0.09 0.00	33.38 -0.32 0.00	36.48 -0.34 0.00	34.14 -0.33 0.00	50.04 -0.35 0.00	54.18 -0.45 0.00	43.47 -0.25 0.00	41.86 -0.38 0.00	42.53 -0.62 0.00	37.91 -0.45 0.00	35.58 -0.35 0.00	42.97 -0.46 0.00	41.17 -0.30 0.00	55.31 -0.28 0.00	54.26 -0.42 0.00	59.25 -0.36 0.00	66.20 -0.49 0.00	79.73 -0.54 0.00	53.11 -0.39 0.00	53.74 -0.13 0.00	44.43 0.10 0.00	43.48 0.17 0.00
MAPLE_RIDGE_WT_2 323611	47.04 -0.28 0.00	37.92 -0.22 0.00	36.41 -0.09 0.00	33.38 -0.32 0.00	36.48 -0.34 0.00	34.14 -0.33 0.00	50.04 -0.35 0.00	54.18 -0.45 0.00	43.47 -0.25 0.00	41.86 -0.38 0.00	42.53 -0.62 0.00	37.91 -0.45 0.00	35.58 -0.35 0.00	42.97 -0.46 0.00	41.17 -0.30 0.00	55.31 -0.28 0.00	54.26 -0.42 0.00	59.25 -0.36 0.00	66.20 -0.49 0.00	79.73 -0.54 0.00	53.11 -0.39 0.00	53.74 -0.13 0.00	44.43 0.10 0.00	43.48 0.17 0.00
MARBLE_RIVER_WT_PWR 323696	47.79 0.47 0.00	38.28 0.15 0.00	36.72 0.21 0.00	33.91 0.21 0.00	37.04 0.21 0.00	34.10 -0.37 0.00	50.12 -0.27 0.00	54.39 -0.25 0.00	43.78 0.07 0.00	42.17 -0.08 0.00	42.96 -0.19 0.00	37.95 -0.40 0.00	35.61 -0.32 0.00	42.79 -0.64 0.00	40.97 -0.50 0.00	55.18 -0.41 0.00	53.68 -0.99 0.00	58.94 -0.66 0.00	66.46 -0.23 0.00	80.54 0.28 0.00	53.40 -0.10 0.00	54.37 0.49 0.00	45.12 0.78 0.00	44.22 0.92 0.00
MARSHVLE_115KV_TB1 80742	47.41 0.09 0.00	38.22 0.09 0.00	36.66 0.15 0.00	33.78 0.08 0.00	36.97 0.15 0.00	34.55 0.08 0.00	50.67 0.28 0.00	55.08 0.44 0.00	43.93 0.21 0.00	42.31 0.06 0.00	43.20 0.05 0.00	38.35 0.00 0.00	35.75 -0.18 0.00	43.26 -0.16 0.00	41.40 -0.08 0.00	55.89 0.30 0.00	55.17 0.50 0.00	60.29 0.69 0.00	67.68 0.98 0.00	81.54 1.27 0.00	54.17 0.68 0.00	54.71 0.84 0.00	45.26 0.92 0.00	44.16 0.86 0.00
MARSH_HILL_WT_PWR 323713	42.45 -4.87 0.00	34.07 -4.07 0.00	32.61 -3.89 0.00	29.96 -3.74 0.00	33.14 -3.69 0.00	30.93 -3.54 0.00	45.72 -4.67 0.00	50.31 -4.32 0.00	40.34 -3.38 0.00	38.92 -3.33 0.00	39.55 -3.60 0.00	34.99 -3.36 0.00	32.33 -3.60 0.00	39.51 -3.92 0.00	37.67 -3.81 0.00	52.08 -3.51 0.00	52.74 -1.93 0.00	58.24 -1.36 0.00	65.77 -0.92 0.00	77.51 -2.76 0.00	50.97 -2.52 0.00	50.66 -3.21 0.00	41.63 -2.71 0.00	41.39 -1.91 0.00
MCINTYRE_115KV_TB2 80467	49.99 2.67 0.00	40.11 1.98 0.00	38.47 1.96 0.00	35.37 1.67 0.00	38.71 1.89 0.00	35.81 1.34 0.00	52.83 2.44 0.00	57.45 2.81 0.00	46.06 2.35 0.00	44.27 2.02 0.00	44.85 1.70 0.00	39.36 1.00 0.00	36.88 0.95 0.00	44.59 1.16 0.00	42.89 1.42 0.00	57.54 1.95 0.00	56.44 1.77 0.00	62.21 2.61 0.00	69.75 3.06 0.00	83.95 3.69 0.00	55.75 2.25 0.00	56.83 2.96 0.00	47.01 2.67 0.00	45.94 2.64 0.00
MECO_____69_KV_BK1 80468	48.69 1.37 0.00	39.24 1.11 0.00	37.58 1.08 0.00	34.66 0.97 0.00	37.95 1.12 0.00	35.61 1.14 0.00	52.27 1.88 0.00	56.58 1.95 0.00	44.57 0.85 0.00	42.43 0.18 0.00	43.65 0.49 0.00	38.79 0.43 0.00	36.36 0.42 0.00	44.15 0.73 0.00	42.10 0.62 0.00	57.20 1.61 0.00	56.94 2.27 0.00	62.26 2.66 0.00	69.78 3.08 0.00	84.01 3.74 0.00	55.88 2.39 0.00	56.17 2.30 0.00	46.23 1.90 0.00	45.03 1.73 0.00
MENANDS___115KV_TB5 355628	48.11 0.79 0.00	38.88 0.75 0.00	37.19 0.68 0.00	34.42 0.72 0.00	37.49 0.67 0.00	35.30 0.83 0.00	51.36 0.97 0.00	55.49 0.86 0.00	44.15 0.44 0.00	42.52 0.27 0.00	43.48 0.33 0.00	38.99 0.63 0.00	36.49 0.55 0.00	44.15 0.72 0.00	42.14 0.67 0.00	56.24 0.65 0.00	55.64 0.97 0.00	60.25 0.65 0.00	67.38 0.69 0.00	81.33 1.07 0.00	54.34 0.85 0.00	54.18 0.30 0.00	44.45 0.11 0.00	43.40 0.10 0.00
MG INDUSTRY___DRP 24185	48.25 0.93 0.00	38.94 0.81 0.00	37.28 0.78 0.00	34.48 0.78 0.00	37.61 0.79 0.00	35.35 0.88 0.00	51.48 1.09 0.00	55.64 1.01 0.00	44.27 0.56 0.00	42.65 0.40 0.00	43.62 0.47 0.00	39.05 0.69 0.00	36.56 0.62 0.00	44.21 0.79 0.00	42.19 0.72 0.00	56.41 0.82 0.00	55.78 1.11 0.00	60.46 0.86 0.00	67.61 0.92 0.00	81.55 1.28 0.00	54.48 0.98 0.00	54.45 0.57 0.00	44.71 0.37 0.00	43.64 0.34 0.00

MID___OSWEGATCHIE_HYD 23849	48.14 0.82 0.00	38.67 0.54 0.00	37.13 0.63 0.00	33.80 0.10 0.00	36.97 0.14 0.00	34.54 0.06 0.00	50.98 0.59 0.00	55.47 0.84 0.00	44.63 0.91 0.00	42.51 0.26 0.00	43.24 0.08 0.00	38.41 0.06 0.00	35.82 -0.11 0.00	43.12 -0.30 0.00	41.52 0.04 0.00	55.83 0.24 0.00	54.83 0.16 0.00	60.06 0.46 0.00	67.27 0.58 0.00	81.17 0.90 0.00	53.95 0.45 0.00	54.99 1.11 0.00	45.52 1.18 0.00	44.46 1.17 0.00
MID___RAQUETTE_HYD 23851	49.12 1.81 0.00	39.43 1.30 0.00	37.82 1.32 0.00	34.73 1.03 0.00	37.97 1.15 0.00	35.15 0.68 0.00	51.82 1.43 0.00	56.35 1.72 0.00	45.25 1.54 0.00	43.50 1.25 0.00	44.18 1.02 0.00	38.99 0.63 0.00	36.52 0.59 0.00	44.05 0.62 0.00	42.35 0.88 0.00	56.80 1.20 0.00	55.25 0.57 0.00	60.52 0.92 0.00	67.88 1.18 0.00	81.95 1.68 0.00	54.45 0.96 0.00	55.70 1.82 0.00	46.21 1.88 0.00	45.20 1.90 0.00
MILLIKEN___1 23584	47.15 -0.17 0.00	37.98 -0.16 0.00	36.38 -0.13 0.00	33.59 -0.11 0.00	36.78 -0.05 0.00	34.53 0.06 0.00	50.61 0.22 0.00	54.94 0.31 0.00	43.98 0.26 0.00	42.40 0.15 0.00	43.35 0.19 0.00	38.39 0.03 0.00	35.94 0.00 0.00	43.33 -0.10 0.00	41.42 -0.05 0.00	55.74 0.14 0.00	55.46 0.78 0.00	60.53 0.93 0.00	67.81 1.12 0.00	81.32 1.05 0.00	54.14 0.64 0.00	54.25 0.38 0.00	44.51 0.17 0.00	43.49 0.19 0.00
MILLIKEN___2 23585	47.15 -0.17 0.00	37.98 -0.16 0.00	36.38 -0.13 0.00	33.59 -0.11 0.00	36.78 -0.05 0.00	34.53 0.06 0.00	50.61 0.22 0.00	54.94 0.31 0.00	43.98 0.26 0.00	42.40 0.15 0.00	43.35 0.19 0.00	38.39 0.03 0.00	35.94 0.00 0.00	43.33 -0.10 0.00	41.42 -0.05 0.00	55.74 0.14 0.00	55.46 0.78 0.00	60.53 0.93 0.00	67.81 1.12 0.00	81.32 1.05 0.00	54.14 0.64 0.00	54.25 0.38 0.00	44.51 0.17 0.00	43.49 0.19 0.00
MILLIKEN___DIESEL 23629	47.15 -0.17 0.00	37.98 -0.16 0.00	36.38 -0.13 0.00	33.59 -0.11 0.00	36.78 -0.05 0.00	34.53 0.06 0.00	50.61 0.22 0.00	54.94 0.31 0.00	43.98 0.26 0.00	42.40 0.15 0.00	43.35 0.19 0.00	38.39 0.03 0.00	35.94 0.00 0.00	43.33 -0.10 0.00	41.42 -0.05 0.00	55.74 0.14 0.00	55.46 0.78 0.00	60.53 0.93 0.00	67.81 1.12 0.00	81.32 1.05 0.00	54.14 0.64 0.00	54.25 0.38 0.00	44.51 0.17 0.00	43.49 0.19 0.00
MILLSEAT___LFGE 323607	44.97 -2.35 0.00	35.96 -2.17 0.00	34.44 -2.06 0.00	31.60 -2.10 0.00	35.03 -1.80 0.00	32.29 -2.19 0.00	47.17 -3.22 0.00	51.97 -2.67 0.00	42.29 -1.42 0.00	41.07 -1.17 0.00	41.60 -1.56 0.00	36.75 -1.61 0.00	34.01 -1.93 0.00	41.11 -2.31 0.00	39.17 -2.31 0.00	53.52 -2.07 0.00	53.48 -1.19 0.00	58.56 -1.04 0.00	65.88 -0.81 0.00	77.78 -2.49 0.00	51.46 -2.04 0.00	51.18 -2.70 0.00	41.89 -2.45 0.00	41.50 -1.80 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	49.18 1.86 0.00	39.72 1.58 0.00	37.93 1.42 0.00	34.99 1.29 0.00	38.28 1.45 0.00	36.17 1.69 0.00	52.59 2.20 0.00	56.90 2.27 0.00	45.53 1.81 0.00	44.32 2.03 -0.04	45.50 2.34 0.00	40.67 2.29 -0.02	37.99 2.02 -0.03	45.93 2.50 -0.01	43.70 2.23 0.00	57.96 2.37 0.00	57.04 2.37 0.00	61.95 2.35 0.00	69.06 2.36 0.00	83.14 2.88 0.00	55.56 2.06 0.00	55.92 2.04 0.00	46.09 1.75 0.00	44.77 1.47 0.00
MILLWOOD_13_KV_LOAD 356217	49.27 1.95 0.00	39.79 1.66 0.00	38.00 1.50 0.00	35.05 1.36 0.00	38.35 1.53 0.00	36.24 1.76 0.00	52.70 2.31 0.00	57.03 2.40 0.00	45.64 1.92 0.00	44.42 2.13 -0.04	45.59 2.44 0.00	40.75 2.38 -0.02	38.07 2.11 -0.03	46.04 2.60 -0.01	43.82 2.34 0.00	58.12 2.53 0.00	57.21 2.53 0.00	62.13 2.53 0.00	69.27 2.58 0.00	83.39 3.13 0.00	55.72 2.22 0.00	56.08 2.20 0.00	46.21 1.87 0.00	44.87 1.57 0.00
MODEL_CITY_ENERGY 24167	43.69 -3.63 0.00	34.93 -3.20 0.00	33.46 -3.04 0.00	30.68 -3.02 0.00	34.02 -2.81 0.00	31.11 -3.36 0.00	45.24 -5.15 0.00	49.87 -4.77 0.00	40.79 -2.93 0.00	39.93 -2.32 0.00	40.33 -2.82 0.00	35.58 -2.78 0.00	32.92 -3.01 0.00	39.85 -3.57 0.00	37.93 -3.54 0.00	51.65 -3.94 0.00	51.54 -3.13 0.00	56.26 -3.34 0.00	63.36 -3.33 0.00	74.70 -5.57 0.00	49.43 -4.06 0.00	49.24 -4.64 0.00	40.35 -3.99 0.00	40.18 -3.12 0.00
MODERN_LFGE___ 323580	43.69 -3.63 0.00	34.93 -3.20 0.00	33.46 -3.04 0.00	30.68 -3.02 0.00	34.02 -2.81 0.00	31.11 -3.36 0.00	45.24 -5.15 0.00	49.87 -4.77 0.00	40.79 -2.93 0.00	39.93 -2.32 0.00	40.33 -2.82 0.00	35.58 -2.78 0.00	32.92 -3.01 0.00	39.85 -3.57 0.00	37.93 -3.54 0.00	51.65 -3.94 0.00	51.54 -3.13 0.00	56.26 -3.34 0.00	63.36 -3.33 0.00	74.70 -5.57 0.00	49.43 -4.06 0.00	49.24 -4.64 0.00	40.35 -3.99 0.00	40.18 -3.12 0.00
MOHAWK_PAPER___DRP 24187	48.31 0.99 0.00	39.03 0.90 0.00	37.33 0.83 0.00	34.54 0.84 0.00	37.65 0.82 0.00	35.45 0.97 0.00	51.60 1.21 0.00	55.77 1.14 0.00	44.34 0.63 0.00	42.67 0.43 0.00	43.61 0.46 0.00	39.11 0.75 0.00	36.61 0.68 0.00	44.32 0.89 0.00	42.31 0.83 0.00	56.50 0.92 0.00	55.95 1.27 0.00	60.63 1.03 0.00	67.81 1.11 0.00	81.80 1.54 0.00	54.68 1.19 0.00	54.55 0.67 0.00	44.75 0.41 0.00	43.68 0.38 0.00
MOHICAN___35_KV_115KV_LD 80490	49.30 1.98 0.00	39.78 1.65 0.00	37.97 1.47 0.00	35.15 1.45 0.00	38.31 1.48 0.00	36.25 1.77 0.00	52.74 2.35 0.00	56.97 2.34 0.00	45.07 1.36 0.00	43.15 0.90 0.00	44.21 1.06 0.00	39.81 1.46 0.00	37.16 1.23 0.00	45.19 1.76 0.00	43.13 1.66 0.00	57.83 2.24 0.00	57.57 2.89 0.00	62.23 2.63 0.00	69.66 2.97 0.00	84.23 3.97 0.00	56.45 2.96 0.00	56.07 2.20 0.00	46.01 1.67 0.00	45.01 1.72 0.00
MONGAUP___HYD 23641	49.27 1.95 0.00	39.78 1.64 0.00	37.98 1.48 0.00	35.05 1.35 0.00	38.33 1.51 0.00	36.19 1.72 0.00	52.77 2.37 0.00	57.13 2.50 0.00	45.57 1.85 0.00	44.17 1.92 0.00	45.15 2.00 0.00	40.21 1.85 0.00	37.79 1.85 0.00	45.64 2.22 0.00	43.31 1.83 0.00	58.01 2.42 0.00	57.34 2.66 0.00	62.49 2.89 0.00	69.80 3.11 0.00	84.04 3.78 0.00	56.12 2.62 0.00	56.37 2.49 0.00	46.37 2.04 0.00	45.06 1.77 0.00
MONTAUK___DIESEL 23721	46.82 -0.50 0.00	38.06 -0.07 0.00	36.31 -0.19 0.00	33.54 -0.15 0.00	36.68 -0.14 0.00	34.96 0.48 0.00	49.06 -0.55 0.78	-37.16 -0.23 91.56	-63.83 0.59 108.13	-0.62 -0.11 42.76	-0.60 0.52 44.28	23.02 0.91 16.25	-1.90 0.54 38.38	-15.20 0.68 59.31	10.31 0.35 31.52	3.77 -0.25 51.57	4.05 -0.29 50.34	14.91 -0.62 44.07	19.47 -1.12 46.10	26.43 -0.80 53.03	-4.19 -0.42 57.25	-27.87 -0.35 81.39	-16.74 0.11 61.19	-16.63 -0.31 59.61
MOONROAD_115KV_HARTFLD_TB1-2 355988	42.92 -4.40 0.00	34.41 -3.72 0.00	33.10 -3.40 0.00	30.46 -3.23 0.00	33.94 -2.89 0.00	31.50 -2.97 0.00	46.43 -3.96 0.00	51.49 -3.14 0.00	41.97 -1.74 0.00	40.90 -1.35 0.00	41.65 -1.50 0.00	36.80 -1.56 0.00	34.33 -1.60 0.00	41.50 -1.93 0.00	39.42 -2.06 0.00	53.34 -2.25 0.00	53.62 -1.05 0.00	58.77 -0.83 0.00	65.94 -0.75 0.00	77.64 -2.63 0.00	51.38 -2.11 0.00	51.41 -2.47 0.00	41.94 -2.40 0.00	41.35 -1.94 0.00

MORRIS_RIDGE___SOLAR 323848	43.32 -4.00 0.00	34.73 -3.40 0.00	33.27 -3.23 0.00	30.55 -3.15 0.00	33.76 -3.07 0.00	31.43 -3.04 0.00	46.17 -4.22 0.00	50.55 -4.08 0.00	40.71 -3.00 0.00	39.35 -2.90 0.00	40.19 -2.96 0.00	35.43 -2.92 0.00	32.77 -3.17 0.00	39.84 -3.59 0.00	37.92 -3.55 0.00	52.08 -3.50 0.00	52.41 -2.27 0.00	57.46 -2.14 0.00	64.74 -1.95 0.00	76.44 -3.83 0.00	50.46 -3.04 0.00	50.24 -3.64 0.00	41.36 -2.98 0.00	41.01 -2.29 0.00
MORTIMER_115KV_TB3 55949	45.42 -1.90 0.00	36.42 -1.71 0.00	34.87 -1.63 0.00	32.08 -1.62 0.00	35.36 -1.46 0.00	32.93 -1.54 0.00	48.22 -2.17 0.00	52.83 -1.80 0.00	42.80 -0.92 0.00	41.58 -0.67 0.00	42.27 -0.88 0.00	37.37 -0.98 0.00	34.69 -1.25 0.00	41.94 -1.49 0.00	39.96 -1.51 0.00	54.18 -1.41 0.00	53.89 -0.78 0.00	58.87 -0.73 0.00	66.09 -0.60 0.00	78.54 -1.73 0.00	52.07 -1.43 0.00	51.97 -1.91 0.00	42.54 -1.80 0.00	41.83 -1.47 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	49.51 2.19 0.00	40.00 1.87 0.00	38.18 1.68 0.00	35.23 1.53 0.00	38.54 1.72 0.00	36.44 1.97 0.00	52.97 2.58 0.00	57.32 2.69 0.00	45.91 2.20 0.00	43.85 2.44 0.83	45.90 2.76 0.00	40.68 2.67 0.35	37.66 2.36 0.63	46.19 2.91 0.15	44.08 2.62 0.01	58.38 2.79 0.00	57.41 2.74 0.00	62.32 2.72 0.00	69.42 2.73 0.00	83.57 3.30 0.00	55.89 2.39 0.00	56.27 2.39 0.00	46.40 2.06 0.00	45.05 1.74 0.00
MUNSVILLE_WIND_PWR 323609	47.80 0.48 0.00	38.42 0.28 0.00	36.81 0.30 0.00	33.92 0.23 0.00	37.41 0.59 0.00	35.19 0.72 0.00	51.80 1.41 0.00	56.30 1.67 0.00	44.89 1.17 0.00	43.12 0.87 0.00	44.19 1.04 0.00	38.89 0.53 0.00	36.37 0.44 0.00	43.26 -0.17 0.00	41.58 0.10 0.00	56.59 1.00 0.00	57.54 2.87 0.00	62.97 3.37 0.00	70.76 4.07 0.00	85.27 5.00 0.00	56.90 3.40 0.00	57.15 3.27 0.00	46.99 2.65 0.00	45.89 2.59 0.00
N SALMON___HYD 24042	48.64 1.31 0.00	38.97 0.84 0.00	37.36 0.86 0.00	34.42 0.72 0.00	37.63 0.81 0.00	34.67 0.19 0.00	51.10 0.71 0.00	55.57 0.94 0.00	44.72 1.00 0.00	43.05 0.80 0.00	43.78 0.63 0.00	38.66 0.30 0.00	36.26 0.33 0.00	43.62 0.19 0.00	41.86 0.39 0.00	56.39 0.79 0.00	54.91 0.23 0.00	60.34 0.73 0.00	67.94 1.25 0.00	82.20 1.93 0.00	54.48 0.98 0.00	55.50 1.62 0.00	45.99 1.65 0.00	45.02 1.72 0.00
N.AKRON__115KV_KNAPP 355671	44.71 -2.61 0.00	35.75 -2.38 0.00	34.23 -2.27 0.00	31.40 -2.29 0.00	34.81 -2.01 0.00	32.02 -2.45 0.00	46.76 -3.63 0.00	51.51 -3.12 0.00	42.00 -1.72 0.00	40.88 -1.37 0.00	41.37 -1.78 0.00	36.52 -1.83 0.00	33.79 -2.14 0.00	40.86 -2.56 0.00	38.91 -2.57 0.00	53.14 -2.45 0.00	53.08 -1.60 0.00	58.08 -1.52 0.00	65.34 -1.35 0.00	77.13 -3.14 0.00	51.00 -2.50 0.00	50.77 -3.10 0.00	41.56 -2.77 0.00	41.23 -2.06 0.00
N.E_GEN_SANDY PD 24062	48.52 1.20 0.00	39.18 1.05 0.00	37.45 0.95 0.00	34.68 0.99 0.00	37.77 0.94 0.00	35.92 1.18 -0.27	51.76 1.37 0.00	55.85 1.22 0.00	44.53 0.52 -0.30	42.04 0.22 0.42	43.42 0.27 0.00	38.99 0.62 -0.01	36.50 0.56 0.00	44.22 0.79 0.00	42.19 0.71 0.00	56.30 0.71 0.00	55.86 1.18 0.00	60.33 0.73 0.00	67.55 0.86 0.00	81.54 1.46 0.18	55.35 1.37 -0.48	54.62 0.76 0.01	44.29 0.40 0.45	43.86 0.48 -0.08
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	49.15 1.84 0.00	39.71 1.58 0.00	37.92 1.42 0.00	34.98 1.29 0.00	38.27 1.45 0.00	36.16 1.68 0.00	52.58 2.19 0.00	56.88 2.24 0.00	45.50 1.79 0.00	44.25 2.00 0.00	45.46 2.31 0.00	40.62 2.26 0.00	37.93 2.00 0.00	45.91 2.48 0.00	43.67 2.20 0.00	57.95 2.36 0.00	57.06 2.38 0.00	62.00 2.40 0.00	69.11 2.42 0.00	83.21 2.95 0.00	55.55 2.05 0.00	55.92 2.04 0.00	46.09 1.76 0.00	44.77 1.47 0.00
N.QUEENS_27_KV_LOAD 356247	49.74 2.42 0.00	40.19 2.06 0.00	38.36 1.86 0.00	35.38 1.68 0.00	38.72 1.90 0.00	36.62 2.15 0.00	53.19 2.80 0.00	57.67 3.04 0.00	46.27 2.56 0.00	46.67 2.66 -1.76	46.14 2.97 -0.01	41.79 2.70 -0.73	39.62 2.36 -1.33	46.73 2.99 -0.31	44.27 2.78 -0.02	58.67 3.08 0.00	57.64 2.97 0.00	62.58 2.98 0.00	69.63 2.93 0.00	83.87 3.61 0.00	56.22 2.73 0.00	56.55 2.67 0.00	46.67 2.33 0.00	45.23 1.93 0.00
N.TROY___115KV_TB1 355778	48.51 1.20 0.00	39.18 1.05 0.00	37.44 0.94 0.00	34.65 0.95 0.00	37.77 0.94 0.00	35.60 1.13 0.00	51.78 1.39 0.00	55.92 1.30 0.00	44.38 0.67 0.00	42.64 0.39 0.00	43.56 0.41 0.00	39.09 0.73 0.00	36.56 0.63 0.00	44.32 0.90 0.00	42.31 0.84 0.00	56.52 0.93 0.00	56.06 1.39 0.00	60.69 1.08 0.00	67.90 1.21 0.00	82.05 1.79 0.00	54.97 1.48 0.00	54.81 0.94 0.00	44.94 0.60 0.00	43.94 0.64 0.00
NARROWS_GT1_1 24228	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT1_2 24229	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT1_3 24230	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT1_4 24231	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT1_5 24232	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00

NARROWS_GT1_6 24233	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT1_7 24234	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT1_8 24235	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT2_1 24236	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT2_2 24237	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT2_3 24238	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT2_4 24239	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT2_5 24240	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT2_6 24241	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT2_7 24242	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NARROWS_GT2_8 24243	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	48.78 1.46 0.00	39.34 1.21 0.00	37.67 1.17 0.00	34.85 1.16 0.00	38.01 1.18 0.00	35.79 1.32 0.00	52.28 1.89 0.00	56.63 2.00 0.00	45.01 1.30 0.00	42.91 0.66 0.00	43.80 0.65 0.00	39.44 1.08 0.00	36.96 1.03 0.00	44.74 1.31 0.00	42.70 1.22 0.00	57.20 1.61 0.00	56.86 2.18 0.00	61.85 2.25 0.00	69.20 2.51 0.00	83.45 3.19 0.00	55.66 2.16 0.00	55.40 1.52 0.00	45.35 1.01 0.00	44.20 0.90 0.00
NCHELSEA_115KV_TR2 355582	49.43 2.11 0.00	39.92 1.79 0.00	38.11 1.61 0.00	35.18 1.48 0.00	38.48 1.65 0.00	36.34 1.86 0.00	52.91 2.52 0.00	57.26 2.63 0.00	45.79 2.08 0.00	44.45 2.20 0.00	45.62 2.47 0.00	40.78 2.42 0.00	38.09 2.16 0.00	46.10 2.68 0.00	43.91 2.44 0.00	58.39 2.80 0.00	57.54 2.86 0.00	62.52 2.91 0.00	69.75 3.05 0.00	83.96 3.70 0.00	56.08 2.58 0.00	56.37 2.49 0.00	46.40 2.06 0.00	45.08 1.78 0.00
NEG CAPITAL___MECHNVIL 23645	49.13 1.81 0.00	39.64 1.51 0.00	37.88 1.38 0.00	35.04 1.34 0.00	38.23 1.40 0.00	36.05 1.58 0.00	52.53 2.14 0.00	56.75 2.12 0.00	45.00 1.29 0.00	43.17 0.92 0.00	44.16 1.01 0.00	39.64 1.28 0.00	37.03 1.10 0.00	44.97 1.54 0.00	42.94 1.47 0.00	57.48 1.89 0.00	57.10 2.42 0.00	61.87 2.27 0.00	69.24 2.55 0.00	83.57 3.30 0.00	55.91 2.42 0.00	55.79 1.91 0.00	45.71 1.37 0.00	44.67 1.37 0.00
NEG CENTRAL_HIGH_ACRES 23767	44.64 -2.69 0.00	35.83 -2.30 0.00	34.31 -2.19 0.00	31.60 -2.10 0.00	34.80 -2.03 0.00	32.47 -2.01 0.00	47.60 -2.79 0.00	52.05 -2.58 0.00	42.03 -1.68 0.00	40.81 -1.44 0.00	41.55 -1.60 0.00	36.79 -1.57 0.00	34.17 -1.77 0.00	41.29 -2.14 0.00	39.36 -2.11 0.00	53.27 -2.32 0.00	52.98 -1.70 0.00	57.87 -1.73 0.00	64.90 -1.79 0.00	77.29 -2.97 0.00	51.28 -2.22 0.00	51.20 -2.68 0.00	41.89 -2.45 0.00	41.10 -2.20 0.00

NEG CENTRAL___DRP 24199	46.12 -1.20 0.00	37.11 -1.02 0.00	35.55 -0.95 0.00	32.80 -0.89 0.00	35.97 -0.85 0.00	33.72 -0.75 0.00	49.41 -0.98 0.00	53.78 -0.85 0.00	43.23 -0.48 0.00	41.83 -0.42 0.00	42.65 -0.50 0.00	37.86 -0.49 0.00	35.14 -0.80 0.00	42.43 -1.00 0.00	40.60 -0.87 0.00	54.80 -0.79 0.00	54.45 -0.22 0.00	59.45 -0.16 0.00	66.60 -0.09 0.00	79.66 -0.61 0.00	52.94 -0.55 0.00	52.98 -0.90 0.00	43.42 -0.92 0.00	42.49 -0.81 0.00
NEG CENTRAL___INDECK 23768	45.81 -1.52 0.00	36.64 -1.49 0.00	35.10 -1.41 0.00	32.24 -1.46 0.00	35.64 -1.18 0.00	33.26 -1.22 0.00	49.02 -1.37 0.00	53.85 -0.79 0.00	43.40 -0.32 0.00	41.36 -0.89 0.00	42.32 -0.83 0.00	37.16 -1.20 0.00	34.54 -1.40 0.00	41.78 -1.65 0.00	39.55 -1.92 0.00	53.64 -1.95 0.00	53.50 -1.18 0.00	58.89 -0.71 0.00	66.25 -0.45 0.00	78.37 -1.90 0.00	51.89 -1.61 0.00	51.61 -2.27 0.00	43.14 -1.20 0.00	42.91 -0.39 0.00
NEG CENTRAL___SENECA 23627	45.95 -1.37 0.00	36.93 -1.20 0.00	35.37 -1.13 0.00	32.61 -1.08 0.00	35.82 -1.01 0.00	33.54 -0.94 0.00	49.17 -1.22 0.00	53.63 -1.01 0.00	43.19 -0.52 0.00	41.86 -0.39 0.00	42.62 -0.54 0.00	37.79 -0.57 0.00	35.05 -0.89 0.00	42.34 -1.09 0.00	40.48 -0.99 0.00	54.73 -0.86 0.00	54.43 -0.24 0.00	59.46 -0.14 0.00	66.63 -0.06 0.00	79.53 -0.73 0.00	52.81 -0.68 0.00	52.81 -1.07 0.00	43.24 -1.10 0.00	42.35 -0.95 0.00
NEG CENTRAL___STATE_STREET 24147	46.47 -0.84 0.00	37.44 -0.69 0.00	35.96 -0.54 0.00	33.19 -0.51 0.00	36.38 -0.45 0.00	34.13 -0.35 0.00	49.99 -0.41 0.00	54.10 -0.53 0.00	43.46 -0.26 0.00	41.88 -0.37 0.00	42.89 -0.26 0.00	38.10 -0.26 0.00	35.50 -0.43 0.00	42.76 -0.66 0.00	40.87 -0.60 0.00	55.16 -0.42 0.00	54.72 0.05 0.00	59.73 0.12 0.00	66.86 0.16 0.00	80.14 -0.13 0.00	53.36 -0.14 0.00	53.37 -0.51 0.00	43.76 -0.58 0.00	42.87 -0.43 0.00
NEG MILLWOOD___DRP 24198	49.54 2.22 0.00	40.00 1.87 0.00	38.18 1.68 0.00	35.24 1.55 0.00	38.55 1.73 0.00	36.43 1.96 0.00	53.07 2.68 0.00	57.45 2.81 0.00	45.95 2.23 0.00	44.62 2.37 0.00	45.81 2.66 0.00	40.96 2.60 0.00	38.23 2.30 0.00	46.27 2.84 0.00	44.07 2.59 0.00	58.56 2.96 0.00	57.70 3.03 0.00	62.72 3.12 0.00	69.95 3.25 0.00	84.20 3.93 0.00	56.24 2.74 0.00	56.53 2.65 0.00	46.54 2.20 0.00	45.20 1.90 0.00
NEG NORTH_FLCN_SEA 23793	48.10 0.78 0.00	38.53 0.40 0.00	36.95 0.44 0.00	34.12 0.43 0.00	37.29 0.47 0.00	34.34 -0.14 0.00	50.48 0.09 0.00	54.78 0.15 0.00	44.10 0.39 0.00	42.44 0.19 0.00	43.21 0.05 0.00	38.16 -0.20 0.00	35.75 -0.18 0.00	42.89 -0.54 0.00	41.01 -0.46 0.00	55.23 -0.36 0.00	53.51 -1.17 0.00	58.78 -0.82 0.00	66.29 -0.41 0.00	80.30 0.04 0.00	53.28 -0.22 0.00	54.44 0.56 0.00	45.43 1.09 0.00	44.57 1.27 0.00
NEG NORTH_KES_CHATEGAY 23792	47.97 0.65 0.00	38.43 0.30 0.00	36.85 0.35 0.00	34.00 0.30 0.00	37.15 0.33 0.00	34.20 -0.28 0.00	50.29 -0.10 0.00	54.62 -0.02 0.00	43.89 0.18 0.00	42.26 0.01 0.00	43.04 -0.11 0.00	38.01 -0.34 0.00	35.66 -0.28 0.00	42.88 -0.55 0.00	41.12 -0.36 0.00	55.41 -0.18 0.00	53.92 -0.75 0.00	59.29 -0.31 0.00	66.83 0.14 0.00	80.96 0.70 0.00	53.65 0.15 0.00	54.63 0.75 0.00	45.29 0.95 0.00	44.39 1.09 0.00
NEG NORTH___ALICE_FALLS 23915	48.29 0.97 0.00	38.68 0.55 0.00	37.07 0.57 0.00	34.22 0.53 0.00	37.43 0.61 0.00	34.45 -0.03 0.00	50.67 0.28 0.00	55.07 0.44 0.00	44.28 0.56 0.00	42.52 0.27 0.00	43.29 0.13 0.00	38.28 -0.07 0.00	35.91 -0.02 0.00	43.15 -0.27 0.00	41.30 -0.17 0.00	55.72 0.13 0.00	54.18 -0.50 0.00	59.61 0.01 0.00	67.23 0.53 0.00	81.36 1.09 0.00	53.95 0.45 0.00	54.99 1.12 0.00	45.74 1.40 0.00	44.81 1.52 0.00
NEG NORTH___LWR_SARANAC 23913	48.29 0.97 0.00	38.68 0.55 0.00	37.07 0.57 0.00	34.22 0.53 0.00	37.43 0.61 0.00	34.45 -0.03 0.00	50.67 0.28 0.00	55.07 0.44 0.00	44.28 0.56 0.00	42.52 0.27 0.00	43.29 0.13 0.00	38.28 -0.07 0.00	35.91 -0.02 0.00	43.15 -0.27 0.00	41.30 -0.17 0.00	55.72 0.13 0.00	54.18 -0.50 0.00	59.61 0.01 0.00	67.23 0.53 0.00	81.36 1.09 0.00	53.95 0.45 0.00	54.99 1.12 0.00	45.74 1.40 0.00	44.81 1.52 0.00
NEG NORTH___PLATTSBURG 23628	48.29 0.97 0.00	38.68 0.55 0.00	37.07 0.57 0.00	34.22 0.53 0.00	37.43 0.60 0.00	34.45 -0.03 0.00	50.67 0.28 0.00	55.07 0.44 0.00	44.28 0.56 0.00	42.52 0.27 0.00	43.29 0.13 0.00	38.28 -0.07 0.00	35.91 -0.02 0.00	43.16 -0.27 0.00	41.30 -0.17 0.00	55.72 0.13 0.00	54.18 -0.50 0.00	59.61 0.01 0.00	67.23 0.53 0.00	81.36 1.09 0.00	53.95 0.45 0.00	55.00 1.12 0.00	45.74 1.40 0.00	44.81 1.52 0.00
NEG WEST_LEA_LOCKPORT 23791	43.91 -3.41 0.00	35.11 -3.02 0.00	33.64 -2.87 0.00	30.84 -2.85 0.00	34.20 -2.62 0.00	31.40 -3.07 0.00	45.73 -4.66 0.00	50.38 -4.25 0.00	41.18 -2.53 0.00	40.26 -1.99 0.00	40.69 -2.46 0.00	35.89 -2.47 0.00	33.19 -2.75 0.00	40.21 -3.22 0.00	38.26 -3.22 0.00	52.15 -3.44 0.00	52.05 -2.62 0.00	56.90 -2.70 0.00	64.04 -2.65 0.00	75.56 -4.71 0.00	49.97 -3.53 0.00	49.76 -4.12 0.00	40.76 -3.58 0.00	40.52 -2.78 0.00
NEG WEST___LANCASTR 23811	44.10 -3.22 0.00	35.32 -2.81 0.00	33.81 -2.70 0.00	31.03 -2.66 0.00	34.32 -2.50 0.00	31.81 -2.67 0.00	46.58 -3.82 0.00	51.18 -3.46 0.00	41.64 -2.07 0.00	40.66 -1.59 0.00	41.19 -1.96 0.00	36.30 -2.05 0.00	33.62 -2.32 0.00	40.79 -2.64 0.00	38.75 -2.72 0.00	52.71 -2.88 0.00	52.59 -2.08 0.00	57.48 -2.12 0.00	64.75 -1.94 0.00	76.44 -3.83 0.00	50.52 -2.97 0.00	50.42 -3.46 0.00	41.31 -3.03 0.00	40.81 -2.49 0.00
NEG_PENN_ALLEGHNY 23528	46.96 -0.36 0.00	37.83 -0.30 0.00	36.18 -0.33 0.00	33.38 -0.31 0.00	36.56 -0.27 0.00	34.29 -0.18 0.00	50.15 -0.24 0.00	54.49 -0.15 0.00	43.63 -0.08 0.00	42.24 -0.01 0.00	43.17 0.02 0.00	38.37 0.01 0.00	35.83 -0.11 0.00	43.31 -0.11 0.00	41.28 -0.19 0.00	55.42 -0.17 0.00	54.89 0.21 0.00	59.75 0.15 0.00	66.96 0.27 0.00	80.24 -0.02 0.00	53.43 -0.07 0.00	53.69 -0.19 0.00	44.12 -0.22 0.00	43.10 -0.20 0.00
NEG___GEN_MONROE 24207	45.63 -1.69 0.00	36.58 -1.55 0.00	35.02 -1.49 0.00	32.20 -1.50 0.00	35.53 -1.29 0.00	33.05 -1.43 0.00	48.40 -1.99 0.00	53.09 -1.54 0.00	43.00 -0.72 0.00	41.72 -0.53 0.00	42.39 -0.76 0.00	37.48 -0.88 0.00	34.77 -1.16 0.00	42.01 -1.42 0.00	40.04 -1.43 0.00	54.41 -1.18 0.00	54.22 -0.46 0.00	59.31 -0.29 0.00	66.60 -0.09 0.00	79.05 -1.22 0.00	52.36 -1.13 0.00	52.23 -1.65 0.00	42.72 -1.62 0.00	42.04 -1.25 0.00
NEPA___ENERGY 23901	44.05 -3.27 0.00	35.29 -2.84 0.00	33.78 -2.72 0.00	31.04 -2.66 0.00	34.28 -2.54 0.00	31.86 -2.62 0.00	46.66 -3.73 0.00	51.11 -3.52 0.00	41.40 -2.31 0.00	40.46 -1.79 0.00	41.22 -1.93 0.00	36.35 -2.01 0.00	33.72 -2.22 0.00	40.85 -2.58 0.00	38.67 -2.80 0.00	52.41 -3.18 0.00	52.32 -2.35 0.00	57.22 -2.38 0.00	64.46 -2.23 0.00	76.06 -4.21 0.00	50.29 -3.21 0.00	50.37 -3.51 0.00	41.35 -2.99 0.00	40.83 -2.47 0.00

NEVERSINK___HYD 23608	48.59 1.27 0.00	39.22 1.08 0.00	37.47 0.97 0.00	34.57 0.88 0.00	37.84 1.01 0.00	35.72 1.24 0.00	52.08 1.69 0.00	56.40 1.77 0.00	44.94 1.23 0.00	43.48 1.23 0.00	44.55 1.40 0.00	39.83 1.47 0.00	37.17 1.24 0.00	45.08 1.65 0.00	42.97 1.49 0.00	57.23 1.64 0.00	56.49 1.82 0.00	61.53 1.93 0.00	68.72 2.02 0.00	82.70 2.43 0.00	55.22 1.72 0.00	55.51 1.63 0.00	45.69 1.35 0.00	44.38 1.09 0.00
NEWKRMKL_115KV_TB1 55635	48.01 0.69 0.00	38.81 0.68 0.00	37.12 0.61 0.00	34.35 0.65 0.00	37.42 0.59 0.00	35.22 0.75 0.00	51.27 0.88 0.00	55.40 0.77 0.00	44.10 0.38 0.00	42.51 0.26 0.00	43.45 0.30 0.00	38.98 0.62 0.00	36.50 0.57 0.00	44.14 0.71 0.00	42.12 0.65 0.00	56.22 0.63 0.00	55.59 0.92 0.00	60.25 0.64 0.00	67.36 0.66 0.00	81.23 0.97 0.00	54.20 0.70 0.00	53.96 0.09 0.00	44.28 -0.06 0.00	43.21 -0.09 0.00
NEWTON___FALLS_HYD 23847	48.14 0.82 0.00	38.67 0.54 0.00	37.13 0.63 0.00	33.80 0.10 0.00	36.97 0.14 0.00	34.54 0.06 0.00	50.98 0.59 0.00	55.47 0.84 0.00	44.63 0.91 0.00	42.51 0.26 0.00	43.24 0.08 0.00	38.41 0.06 0.00	35.82 -0.11 0.00	43.12 -0.30 0.00	41.52 0.04 0.00	55.83 0.24 0.00	54.83 0.16 0.00	60.06 0.46 0.00	67.27 0.58 0.00	81.17 0.90 0.00	53.95 0.45 0.00	54.99 1.11 0.00	45.52 1.18 0.00	44.46 1.17 0.00
NGRID_A1_DSASP 323792	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.12 -6.27 0.00	48.49 -6.15 0.00	39.72 -4.00 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.01 -3.92 0.00	38.80 -4.62 0.00	36.90 -4.58 0.00	50.26 -5.33 0.00	50.16 -4.52 0.00	54.79 -4.81 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.05 -5.45 0.00	47.86 -6.02 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
NGRID_A2_DSASP 323793	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.12 -6.27 0.00	48.49 -6.15 0.00	39.72 -4.00 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.01 -3.92 0.00	38.80 -4.62 0.00	36.90 -4.58 0.00	50.26 -5.33 0.00	50.16 -4.52 0.00	54.79 -4.81 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.05 -5.45 0.00	47.86 -6.02 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
NGRID_A4_DSASP 323807	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.12 -6.27 0.00	48.49 -6.15 0.00	39.72 -4.00 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.01 -3.92 0.00	38.80 -4.62 0.00	36.90 -4.58 0.00	50.26 -5.33 0.00	50.16 -4.52 0.00	54.79 -4.81 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.05 -5.45 0.00	47.86 -6.02 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
NIAGARA_115E_LBMP 323715	43.53 -3.79 0.00	34.80 -3.33 0.00	33.34 -3.17 0.00	30.56 -3.13 0.00	33.90 -2.93 0.00	30.94 -3.53 0.00	44.95 -5.45 0.00	49.55 -5.08 0.00	40.56 -3.15 0.00	39.73 -2.52 0.00	40.13 -3.02 0.00	35.40 -2.95 0.00	32.77 -3.17 0.00	39.66 -3.77 0.00	37.74 -3.74 0.00	51.35 -4.24 0.00	51.23 -3.44 0.00	55.91 -3.70 0.00	62.95 -3.73 0.00	74.22 -6.05 0.00	49.12 -4.38 0.00	48.93 -4.94 0.00	40.11 -4.23 0.00	39.99 -3.31 0.00
NIAGARA_115W_LBMP 323714	42.48 -4.84 0.00	33.97 -4.16 0.00	32.45 -4.06 0.00	29.76 -3.94 0.00	33.01 -3.82 0.00	30.40 -4.08 0.00	43.92 -6.47 0.00	48.24 -6.39 0.00	39.51 -4.20 0.00	38.67 -3.57 0.01	39.06 -4.09 0.00	34.47 -3.89 0.00	31.86 -4.08 0.00	38.60 -4.83 0.00	36.73 -4.74 0.00	50.04 -5.55 0.00	49.95 -4.72 0.00	54.55 -5.05 0.00	61.40 -5.29 0.00	72.26 -8.00 0.00	47.84 -5.66 0.00	47.61 -6.26 0.00	39.54 -4.80 0.00	39.29 -4.01 0.00
NIAGARA_230_LBMP 323716	43.59 -3.73 0.00	34.86 -3.27 0.00	33.40 -3.10 0.00	30.62 -3.07 0.00	33.94 -2.88 0.00	31.27 -3.20 0.00	45.55 -4.84 0.00	50.14 -4.49 0.00	40.99 -2.72 0.00	40.10 -2.15 0.00	40.56 -2.60 0.00	35.77 -2.59 0.00	33.08 -2.85 0.00	40.10 -3.33 0.00	38.13 -3.34 0.00	51.87 -3.71 0.00	51.72 -2.95 0.00	56.45 -3.14 0.00	63.59 -3.10 0.00	75.01 -5.25 0.00	49.63 -3.86 0.00	49.43 -4.45 0.00	40.51 -3.83 0.00	40.17 -3.13 0.00
NIAGARA___115KV_198_GIBSON 55903	42.47 -4.85 0.00	33.97 -4.16 0.00	32.45 -4.06 0.00	29.76 -3.94 0.00	33.01 -3.81 0.00	30.40 -4.08 0.00	43.92 -6.47 0.00	48.24 -6.39 0.00	39.51 -4.20 0.00	38.68 -3.57 0.01	39.06 -4.09 0.00	34.47 -3.89 0.00	31.86 -4.07 0.00	38.62 -4.81 0.00	36.73 -4.74 0.00	50.03 -5.56 0.00	49.92 -4.75 0.00	54.55 -5.05 0.00	61.40 -5.29 0.00	72.27 -7.99 0.00	47.83 -5.67 0.00	47.63 -6.24 0.00	39.54 -4.80 0.00	39.30 -4.00 0.00
NIAGARA____ 23760	43.59 -3.73 0.00	34.86 -3.27 0.00	33.40 -3.10 0.00	30.62 -3.07 0.00	33.94 -2.88 0.00	31.27 -3.20 0.00	45.55 -4.84 0.00	50.14 -4.49 0.00	40.99 -2.72 0.00	40.10 -2.15 0.00	40.56 -2.60 0.00	35.77 -2.59 0.00	33.08 -2.85 0.00	40.10 -3.33 0.00	38.13 -3.34 0.00	51.87 -3.71 0.00	51.72 -2.95 0.00	56.45 -3.14 0.00	63.59 -3.10 0.00	75.01 -5.25 0.00	49.63 -3.86 0.00	49.43 -4.45 0.00	40.51 -3.83 0.00	40.17 -3.13 0.00
NINE_MILE_1 23575	45.31 -2.01 0.00	36.51 -1.63 0.00	34.95 -1.55 0.00	32.30 -1.40 0.00	35.29 -1.53 0.00	33.08 -1.39 0.00	48.32 -2.07 0.00	52.45 -2.18 0.00	42.03 -1.69 0.00	40.63 -1.63 0.00	41.49 -1.67 0.00	36.88 -1.47 0.00	34.49 -1.44 0.00	41.67 -1.76 0.00	39.77 -1.70 0.00	53.39 -2.20 0.00	52.71 -1.96 0.00	57.42 -2.18 0.00	64.28 -2.42 0.00	77.21 -3.06 0.00	51.46 -2.03 0.00	51.73 -2.15 0.00	42.52 -1.82 0.00	41.53 -1.77 0.00
NINE_MILE_2 23744	45.31 -2.01 0.00	36.52 -1.61 0.00	34.95 -1.55 0.00	32.30 -1.40 0.00	35.29 -1.53 0.00	33.08 -1.39 0.00	48.32 -2.07 0.00	52.45 -2.18 0.00	42.03 -1.68 0.00	40.63 -1.62 0.00	41.49 -1.67 0.00	36.89 -1.46 0.00	34.49 -1.44 0.00	41.67 -1.76 0.00	39.78 -1.69 0.00	53.39 -2.20 0.00	52.72 -1.96 0.00	57.43 -2.17 0.00	64.28 -2.42 0.00	77.21 -3.06 0.00	51.46 -2.03 0.00	51.73 -2.15 0.00	42.52 -1.82 0.00	41.53 -1.77 0.00
NM_CAPITAL___DRP 24208	48.02 0.70 0.00	38.81 0.68 0.00	37.13 0.62 0.00	34.36 0.67 0.00	37.44 0.61 0.00	35.24 0.77 0.00	51.28 0.89 0.00	55.40 0.77 0.00	44.08 0.36 0.00	42.47 0.22 0.00	43.41 0.26 0.00	38.94 0.58 0.00	36.45 0.52 0.00	44.09 0.66 0.00	42.09 0.61 0.00	56.15 0.56 0.00	55.54 0.86 0.00	60.17 0.57 0.00	67.27 0.58 0.00	81.17 0.91 0.00	54.24 0.74 0.00	54.06 0.18 0.00	44.36 0.02 0.00	43.29 -0.01 0.00
NM_CENTRAL___DRP 24181	46.03 -1.30 0.00	37.10 -1.04 0.00	35.50 -1.00 0.00	32.79 -0.90 0.00	35.86 -0.96 0.00	33.65 -0.82 0.00	49.22 -1.17 0.00	53.46 -1.17 0.00	42.83 -0.88 0.00	41.40 -0.85 0.00	42.32 -0.83 0.00	37.60 -0.76 0.00	35.13 -0.81 0.00	42.45 -0.98 0.00	40.52 -0.95 0.00	54.43 -1.16 0.00	53.84 -0.83 0.00	58.65 -0.95 0.00	65.63 -1.06 0.00	78.77 -1.50 0.00	52.49 -1.01 0.00	52.77 -1.11 0.00	43.33 -1.01 0.00	42.30 -1.00 0.00

NM_FRONTIER___DRP 24179	42.47 -4.85 0.00	33.97 -4.16 0.00	32.45 -4.06 0.00	29.76 -3.94 0.00	33.01 -3.81 0.00	30.40 -4.08 0.00	43.92 -6.47 0.00	48.24 -6.39 0.00	39.51 -4.20 0.00	38.68 -3.57 0.01	39.06 -4.09 0.00	34.47 -3.89 0.00	31.86 -4.07 0.00	38.62 -4.81 0.00	36.73 -4.74 0.00	50.03 -5.56 0.00	49.92 -4.75 0.00	54.55 -5.05 0.00	61.40 -5.29 0.00	72.27 -7.99 0.00	47.83 -5.67 0.00	47.63 -6.24 0.00	39.54 -4.80 0.00	39.30 -4.00 0.00
NM_ST_REGIS___HYD 24053	49.05 1.73 0.00	39.34 1.21 0.00	37.73 1.23 0.00	34.67 0.97 0.00	37.91 1.09 0.00	35.04 0.56 0.00	51.66 1.27 0.00	56.18 1.55 0.00	45.15 1.43 0.00	43.40 1.15 0.00	44.08 0.93 0.00	38.91 0.55 0.00	36.46 0.52 0.00	43.93 0.50 0.00	42.24 0.77 0.00	56.72 1.13 0.00	55.16 0.48 0.00	60.48 0.88 0.00	67.92 1.23 0.00	82.08 1.81 0.00	54.50 1.00 0.00	55.70 1.82 0.00	46.20 1.87 0.00	45.20 1.90 0.00
NORTHPORT___1 23551	48.93 1.61 0.00	39.62 1.49 0.00	37.79 1.29 0.00	34.89 1.20 0.00	38.12 1.30 0.00	36.13 1.66 0.00	51.02 1.42 0.79	39.48 1.37 16.52	39.12 1.19 5.78	42.54 1.62 1.34	45.59 2.44 0.00	40.75 2.44 0.04	37.83 1.98 0.08	45.71 2.31 0.02	43.04 1.94 0.37	51.28 1.77 6.07	47.76 1.67 8.59	54.08 1.43 6.96	66.25 1.23 1.67	81.91 1.64 0.00	54.83 1.34 0.00	50.63 1.42 4.67	46.23 1.89 0.00	44.78 1.48 0.00
NORTHPORT___2 23552	48.93 1.61 0.00	39.62 1.49 0.00	37.79 1.29 0.00	34.89 1.20 0.00	38.12 1.30 0.00	36.13 1.66 0.00	51.02 1.42 0.79	39.48 1.37 16.52	39.12 1.19 5.78	42.54 1.62 1.34	45.59 2.44 0.00	40.75 2.44 0.04	37.83 1.98 0.08	45.71 2.31 0.02	43.04 1.94 0.37	51.28 1.77 6.07	47.76 1.67 8.59	54.08 1.43 6.96	66.25 1.23 1.67	81.91 1.64 0.00	54.83 1.34 0.00	50.63 1.42 4.67	46.23 1.89 0.00	44.78 1.48 0.00
NORTHPORT___3 23553	48.77 1.45 0.00	39.47 1.34 0.00	37.66 1.16 0.00	34.77 1.07 0.00	37.98 1.15 0.00	35.99 1.51 0.00	50.78 1.17 0.78	39.36 1.18 16.45	39.00 1.04 5.75	42.45 1.53 1.33	45.55 2.40 0.00	40.72 2.41 0.04	37.79 1.94 0.08	45.66 2.25 0.02	42.96 1.85 0.37	51.16 1.62 6.04	47.63 1.50 8.55	53.92 1.24 6.93	66.05 1.01 1.66	81.64 1.37 0.00	54.66 1.16 0.00	50.51 1.27 4.65	46.18 1.85 0.00	44.75 1.45 0.00
NORTHPORT___4 23650	48.77 1.45 0.00	39.47 1.34 0.00	37.66 1.16 0.00	34.77 1.07 0.00	37.98 1.15 0.00	35.99 1.51 0.00	50.78 1.17 0.78	39.36 1.18 16.45	39.00 1.04 5.75	42.45 1.53 1.33	45.55 2.40 0.00	40.72 2.41 0.04	37.79 1.94 0.08	45.66 2.25 0.02	42.96 1.85 0.37	51.16 1.62 6.04	47.63 1.50 8.55	53.92 1.24 6.93	66.05 1.01 1.66	81.64 1.37 0.00	54.66 1.16 0.00	50.51 1.27 4.65	46.18 1.85 0.00	44.75 1.45 0.00
NORTHPORT___IC 23718	48.93 1.61 0.00	39.62 1.49 0.00	37.79 1.29 0.00	34.89 1.19 0.00	38.12 1.30 0.00	36.13 1.66 0.00	51.01 1.40 0.79	39.48 1.37 16.52	39.12 1.18 5.78	42.53 1.62 1.34	45.59 2.44 0.00	40.76 2.44 0.04	37.83 1.97 0.08	45.70 2.30 0.02	43.04 1.94 0.37	51.33 1.81 6.07	47.80 1.71 8.59	54.09 1.45 6.96	66.25 1.22 1.67	81.91 1.64 0.00	54.83 1.34 0.00	50.62 1.41 4.67	46.22 1.88 0.00	44.78 1.48 0.00
NORTH___COUNTRY_ESR 323785	47.87 0.55 0.00	38.35 0.22 0.00	36.79 0.29 0.00	33.95 0.25 0.00	37.09 0.26 0.00	34.13 -0.34 0.00	50.19 -0.20 0.00	54.48 -0.16 0.00	43.85 0.14 0.00	42.24 -0.01 0.00	43.02 -0.13 0.00	37.99 -0.36 0.00	35.65 -0.28 0.00	42.88 -0.55 0.00	41.07 -0.40 0.00	55.33 -0.26 0.00	53.82 -0.86 0.00	59.13 -0.47 0.00	66.65 -0.04 0.00	80.74 0.47 0.00	53.51 0.01 0.00	54.48 0.60 0.00	45.19 0.85 0.00	44.27 0.97 0.00
NPX_GEN_1385_PROXY 323591	48.83 1.51 0.00	39.54 1.41 0.00	37.77 1.27 0.00	34.89 1.20 0.00	38.03 1.31 0.10	52.25 1.95 -15.83	51.21 1.61 0.79	39.65 1.54 16.52	39.26 1.32 5.78	42.36 1.45 1.34	18.12 2.06 27.09	36.95 2.11 3.52	30.38 1.67 7.22	45.38 1.97 0.02	42.98 1.88 0.37	51.52 2.00 6.07	47.90 1.81 8.59	54.08 1.43 6.96	66.27 1.24 1.67	82.23 1.97 0.00	55.14 1.65 0.00	50.63 1.42 4.67	46.15 1.82 0.00	44.57 1.27 0.00
NPX_GEN_CSC 323557	48.18 0.86 0.00	39.26 1.13 0.00	37.44 0.94 0.00	34.58 0.88 0.00	37.69 0.96 0.10	35.93 1.46 0.00	50.35 0.73 0.78	-18.57 0.18 73.38	-39.32 0.33 83.37	10.53 1.02 32.74	11.25 1.67 33.58	27.88 1.85 12.33	8.27 1.45 29.12	0.19 1.74 44.98	18.90 1.42 23.99	15.95 0.92 40.55	15.06 0.61 40.22	24.87 0.35 35.08	31.31 -0.02 35.36	40.16 0.11 40.21	10.34 0.26 43.42	-8.70 0.26 62.83	-1.18 0.88 46.40	-1.34 0.56 45.20
NSINS_S_GLNS_FALLS 23858	49.16 1.84 0.00	39.68 1.55 0.00	37.88 1.37 0.00	35.05 1.36 0.00	38.21 1.39 0.00	36.15 1.67 0.00	52.61 2.22 0.00	56.83 2.20 0.00	44.99 1.27 0.00	43.09 0.84 0.00	44.15 1.00 0.00	39.76 1.40 0.00	37.11 1.17 0.00	45.09 1.67 0.00	43.04 1.57 0.00	57.70 2.11 0.00	57.41 2.74 0.00	62.07 2.47 0.00	69.48 2.79 0.00	84.02 3.75 0.00	56.31 2.81 0.00	55.94 2.06 0.00	45.93 1.59 0.00	44.92 1.62 0.00
NUCOR_STEEL___DRP 24197	46.46 -0.86 0.00	37.42 -0.71 0.00	35.95 -0.55 0.00	33.19 -0.51 0.00	36.38 -0.45 0.00	34.13 -0.35 0.00	49.97 -0.42 0.00	54.05 -0.58 0.00	43.42 -0.29 0.00	41.83 -0.42 0.00	42.87 -0.29 0.00	38.07 -0.29 0.00	35.50 -0.43 0.00	42.74 -0.69 0.00	40.84 -0.64 0.00	55.14 -0.45 0.00	54.67 -0.01 0.00	59.65 0.05 0.00	66.79 0.10 0.00	80.07 -0.20 0.00	53.31 -0.19 0.00	53.33 -0.55 0.00	43.72 -0.62 0.00	42.86 -0.44 0.00
NUMBER_THREE_WT_PWR 323818	47.43 0.11 0.00	38.17 0.04 0.00	36.69 0.18 0.00	33.13 -0.56 0.00	36.36 -0.47 0.00	34.30 -0.17 0.00	50.65 0.26 0.00	54.85 0.22 0.00	44.26 0.54 0.00	41.96 -0.29 0.00	42.65 -0.50 0.00	38.13 -0.23 0.00	35.43 -0.51 0.00	42.79 -0.64 0.00	41.26 -0.22 0.00	55.60 0.01 0.00	55.12 0.44 0.00	60.27 0.67 0.00	67.46 0.77 0.00	81.41 1.15 0.00	54.32 0.82 0.00	55.10 1.22 0.00	45.51 1.17 0.00	44.45 1.15 0.00
NYISO_LBMP_REFERENCE 24008	47.32 0.00 0.00	38.13 0.00 0.00	36.50 0.00 0.00	33.70 0.00 0.00	36.83 0.00 0.00	34.47 0.00 0.00	50.39 0.00 0.00	54.63 0.00 0.00	43.71 0.00 0.00	42.25 0.00 0.00	43.15 0.00 0.00	38.36 0.00 0.00	35.93 0.00 0.00	43.43 0.00 0.00	41.47 0.00 0.00	55.59 0.00 0.00	54.67 0.00 0.00	59.60 0.00 0.00	66.69 0.00 0.00	80.27 0.00 0.00	53.50 0.00 0.00	53.88 0.00 0.00	44.34 0.00 0.00	43.30 0.00 0.00
NYPA_BRENTWD____GT 24164	49.38 2.05 0.00	39.95 1.82 0.00	38.10 1.59 0.00	35.17 1.48 0.00	38.45 1.62 0.00	36.46 1.99 0.00	51.64 1.99 0.75	40.90 1.95 15.68	39.82 1.58 5.48	42.96 1.98 1.27	45.84 2.69 0.00	40.93 2.61 0.04	38.03 2.18 0.08	45.99 2.59 0.02	43.41 2.29 0.35	52.12 2.29 5.76	48.88 2.36 8.15	55.28 2.28 6.60	67.26 2.15 1.58	82.96 2.70 0.00	55.48 1.99 0.00	51.46 2.01 4.43	46.56 2.22 0.00	45.09 1.79 0.00

NYPA_GOWANUS____GT5 24156	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.05 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.57 2.97 0.00	69.65 2.96 0.00	83.96 3.70 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NYPA_GOWANUS____GT6 24157	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.02 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.05 0.00	46.32 2.61 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.90 2.80 -0.73	39.68 2.41 -1.33	46.93 3.19 -0.31	44.40 2.91 -0.02	58.64 3.05 0.00	57.64 2.97 0.00	62.57 2.97 0.00	69.65 2.96 0.00	83.96 3.70 0.00	56.31 2.81 0.00	56.65 2.77 0.00	46.76 2.42 0.00	45.35 2.05 0.00
NYPA_HARLEM__RVR_GT1 24160	49.66 2.34 0.00	40.15 2.01 0.00	38.32 1.81 0.00	35.34 1.65 0.00	38.68 1.86 0.00	36.58 2.11 0.00	53.10 2.71 0.00	57.56 2.93 0.00	46.15 2.44 0.00	46.55 2.54 -1.76	46.00 2.84 -0.01	41.67 2.57 -0.73	39.48 2.22 -1.33	46.60 2.87 -0.31	44.14 2.65 -0.02	58.49 2.90 0.00	57.45 2.77 0.00	62.35 2.74 0.00	69.41 2.72 0.00	83.62 3.36 0.00	56.06 2.56 0.00	56.41 2.54 0.00	46.54 2.21 0.00	45.12 1.82 0.00
NYPA_HARLEM__RVR_GT2 24161	49.66 2.34 0.00	40.15 2.01 0.00	38.32 1.81 0.00	35.34 1.65 0.00	38.68 1.86 0.00	36.58 2.11 0.00	53.10 2.71 0.00	57.56 2.93 0.00	46.15 2.44 0.00	46.55 2.54 -1.76	46.00 2.84 -0.01	41.67 2.57 -0.73	39.48 2.22 -1.33	46.60 2.87 -0.31	44.14 2.65 -0.02	58.49 2.90 0.00	57.45 2.77 0.00	62.35 2.74 0.00	69.41 2.72 0.00	83.62 3.36 0.00	56.06 2.56 0.00	56.41 2.54 0.00	46.54 2.21 0.00	45.12 1.82 0.00
NYPA_KENT____GT 24152	49.76 2.44 0.00	40.22 2.09 0.00	38.40 1.90 0.00	35.43 1.73 0.00	38.77 1.95 0.00	36.68 2.20 0.00	53.22 2.83 0.00	57.60 2.97 0.00	46.22 2.51 0.00	46.72 2.71 -1.76	46.17 3.01 -0.01	41.89 2.79 -0.73	39.70 2.44 -1.33	46.87 3.13 -0.31	44.34 2.85 -0.02	58.57 2.98 0.00	57.55 2.88 0.00	62.47 2.87 0.00	69.55 2.86 0.00	83.77 3.51 0.00	56.14 2.64 0.00	56.51 2.63 0.00	46.66 2.32 0.00	45.25 1.96 0.00
NYPA_POUCHI____GT 24155	49.86 2.54 0.00	40.31 2.18 0.00	38.51 2.01 0.00	35.53 1.83 0.00	38.89 2.07 0.00	36.77 2.30 0.00	53.33 2.94 0.00	57.66 3.03 0.00	46.30 2.59 0.00	46.76 2.75 -1.76	46.17 3.01 -0.01	41.83 2.74 -0.73	39.60 2.33 -1.33	46.86 3.12 -0.31	44.35 2.86 -0.02	58.53 2.94 0.00	57.54 2.86 0.00	62.49 2.89 0.00	69.57 2.88 0.00	83.90 3.64 0.00	56.36 2.86 0.00	56.62 2.74 0.00	46.78 2.43 0.00	45.36 2.06 0.00
NYPA_VERNON____GT2 24162	49.69 2.37 0.00	40.16 2.03 0.00	38.33 1.83 0.00	35.36 1.67 0.00	38.70 1.87 0.00	36.61 2.14 0.00	53.13 2.74 0.00	57.48 2.85 0.00	46.12 2.41 0.00	46.66 2.65 -1.76	46.12 2.96 -0.01	41.88 2.78 -0.73	39.71 2.45 -1.33	46.81 3.07 -0.31	44.28 2.78 -0.02	58.51 2.92 0.00	57.47 2.79 0.00	62.36 2.76 0.00	69.42 2.72 0.00	83.58 3.31 0.00	55.98 2.49 0.00	56.39 2.51 0.00	46.55 2.21 0.00	45.15 1.85 0.00
NYPA_VERNON____GT3 24163	49.69 2.37 0.00	40.16 2.03 0.00	38.33 1.83 0.00	35.36 1.67 0.00	38.70 1.87 0.00	36.61 2.14 0.00	53.13 2.74 0.00	57.48 2.85 0.00	46.12 2.41 0.00	46.66 2.65 -1.76	46.12 2.96 -0.01	41.88 2.78 -0.73	39.71 2.45 -1.33	46.81 3.07 -0.31	44.28 2.78 -0.02	58.51 2.92 0.00	57.47 2.79 0.00	62.36 2.76 0.00	69.42 2.72 0.00	83.58 3.31 0.00	55.98 2.49 0.00	56.39 2.51 0.00	46.55 2.21 0.00	45.15 1.85 0.00
NYPA__ASTORIA_CC1 323568	49.63 2.31 0.00	40.13 1.99 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.10 0.00	53.05 2.66 0.00	57.41 2.79 0.00	46.07 2.35 0.00	46.60 2.59 -1.76	46.06 2.90 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.44 2.85 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.35 2.65 0.00	83.50 3.23 0.00	55.92 2.42 0.00	56.32 2.44 0.00	46.49 2.16 0.00	45.10 1.80 0.00
NYPA__ASTORIA_CC2 323569	49.63 2.31 0.00	40.13 1.99 0.00	38.30 1.80 0.00	35.33 1.63 0.00	38.66 1.84 0.00	36.57 2.10 0.00	53.05 2.66 0.00	57.41 2.79 0.00	46.07 2.35 0.00	46.60 2.59 -1.76	46.06 2.90 -0.01	41.82 2.72 -0.73	39.66 2.39 -1.33	46.74 3.00 -0.31	44.22 2.73 -0.02	58.44 2.85 0.00	57.38 2.70 0.00	62.29 2.69 0.00	69.35 2.65 0.00	83.50 3.23 0.00	55.92 2.42 0.00	56.32 2.44 0.00	46.49 2.16 0.00	45.10 1.80 0.00
NYPA__HOLTSVILL 23794	48.83 1.51 0.00	39.58 1.45 0.00	37.75 1.24 0.00	34.86 1.16 0.00	38.08 1.26 0.00	36.15 1.67 0.00	51.01 1.40 0.78	39.64 1.36 16.36	39.20 1.21 5.72	42.57 1.65 1.32	45.49 2.34 0.00	40.67 2.35 0.04	37.76 1.90 0.08	45.66 2.25 0.02	42.96 1.86 0.37	51.15 1.57 6.01	47.81 1.64 8.50	54.15 1.44 6.89	66.23 1.19 1.65	81.79 1.52 0.00	54.73 1.24 0.00	50.51 1.26 4.62	45.97 1.64 0.00	44.55 1.25 0.00
NYPA____HELLGATE_GT1 24158	49.66 2.34 0.00	40.15 2.01 0.00	38.32 1.81 0.00	35.34 1.65 0.00	38.68 1.86 0.00	36.58 2.11 0.00	53.10 2.71 0.00	57.52 2.89 0.00	46.14 2.43 0.00	46.55 2.54 -1.76	46.00 2.84 -0.01	41.67 2.57 -0.73	39.48 2.22 -1.33	46.60 2.87 -0.31	44.14 2.65 -0.02	58.49 2.90 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.41 2.72 0.00	83.62 3.36 0.00	56.05 2.55 0.00	56.41 2.54 0.00	46.54 2.21 0.00	45.12 1.82 0.00
NYPA____HELLGATE_GT2 24159	49.66 2.34 0.00	40.15 2.01 0.00	38.32 1.81 0.00	35.34 1.65 0.00	38.68 1.86 0.00	36.58 2.11 0.00	53.10 2.71 0.00	57.52 2.89 0.00	46.14 2.43 0.00	46.55 2.54 -1.76	46.00 2.84 -0.01	41.67 2.57 -0.73	39.48 2.22 -1.33	46.60 2.87 -0.31	44.14 2.65 -0.02	58.49 2.90 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.41 2.72 0.00	83.62 3.36 0.00	56.05 2.55 0.00	56.41 2.54 0.00	46.54 2.21 0.00	45.12 1.82 0.00
NYS_BARGE__HYD 23848	44.00 -3.32 0.00	35.17 -2.96 0.00	33.69 -2.82 0.00	30.89 -2.81 0.00	34.25 -2.58 0.00	31.41 -3.06 0.00	45.74 -4.66 0.00	50.38 -4.25 0.00	41.19 -2.53 0.00	40.27 -1.98 0.00	40.69 -2.46 0.00	35.89 -2.47 0.00	33.19 -2.74 0.00	40.19 -3.24 0.00	38.26 -3.21 0.00	52.16 -3.43 0.00	52.08 -2.60 0.00	56.90 -2.70 0.00	64.06 -2.63 0.00	75.55 -4.71 0.00	49.98 -3.52 0.00	49.74 -4.14 0.00	40.78 -3.56 0.00	40.55 -2.75 0.00
OAK ORCHARD__HYD 24046	45.42 -1.90 0.00	36.42 -1.71 0.00	34.87 -1.63 0.00	32.08 -1.62 0.00	35.36 -1.46 0.00	32.93 -1.54 0.00	48.22 -2.17 0.00	52.83 -1.80 0.00	42.78 -0.93 0.00	41.58 -0.67 0.00	42.27 -0.88 0.00	37.37 -0.98 0.00	34.69 -1.25 0.00	41.93 -1.50 0.00	39.97 -1.51 0.00	54.19 -1.40 0.00	53.90 -0.78 0.00	58.87 -0.74 0.00	66.09 -0.60 0.00	78.53 -1.73 0.00	52.08 -1.41 0.00	51.96 -1.92 0.00	42.54 -1.80 0.00	41.82 -1.48 0.00

OAKDALE___35_KV_LOAD 356122	46.81 -0.51 0.00	37.71 -0.42 0.00	36.07 -0.43 0.00	33.28 -0.42 0.00	36.44 -0.39 0.00	34.17 -0.30 0.00	49.96 -0.43 0.00	54.27 -0.37 0.00	43.46 -0.25 0.00	42.08 -0.17 0.00	43.01 -0.14 0.00	38.23 -0.13 0.00	35.70 -0.24 0.00	43.14 -0.28 0.00	41.12 -0.35 0.00	55.19 -0.40 0.00	54.64 -0.04 0.00	59.46 -0.14 0.00	66.63 -0.06 0.00	79.88 -0.39 0.00	53.21 -0.29 0.00	53.45 -0.42 0.00	43.95 -0.39 0.00	42.94 -0.36 0.00
OCC_CHEM___DRP 24175	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.12 -6.27 0.00	48.49 -6.15 0.00	39.72 -4.00 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.01 -3.92 0.00	38.80 -4.62 0.00	36.90 -4.58 0.00	50.26 -5.33 0.00	50.16 -4.52 0.00	54.79 -4.81 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.05 -5.45 0.00	47.86 -6.02 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
OH_GEN_PROXY 24063	43.63 -3.69 0.00	34.90 -3.23 0.00	33.43 -3.07 0.00	30.66 -3.04 0.00	33.87 -2.85 0.10	31.35 -3.13 0.00	45.70 -4.69 0.00	50.30 -4.33 0.00	41.10 -2.61 0.00	40.19 -2.06 0.00	40.65 -2.50 0.00	35.86 -2.50 0.00	33.16 -2.77 0.00	40.19 -3.24 0.00	38.21 -3.27 0.00	51.97 -3.62 0.00	51.83 -2.85 0.00	56.56 -3.04 0.00	63.73 -2.97 0.00	75.19 -5.07 0.00	49.74 -3.76 0.00	49.56 -4.32 0.00	40.59 -3.75 0.00	40.20 -3.10 0.00
OLIN_CORP_DRP 24177	43.54 -3.78 0.00	34.82 -3.31 0.00	33.35 -3.15 0.00	30.58 -3.12 0.00	33.92 -2.91 0.00	31.00 -3.47 0.00	45.06 -5.33 0.00	49.66 -4.98 0.00	40.65 -3.06 0.00	39.81 -2.44 0.00	40.21 -2.94 0.00	35.47 -2.89 0.00	32.83 -3.11 0.00	39.76 -3.67 0.00	37.81 -3.67 0.00	51.45 -4.14 0.00	51.32 -3.36 0.00	56.02 -3.58 0.00	63.10 -3.59 0.00	74.39 -5.87 0.00	49.22 -4.28 0.00	49.06 -4.82 0.00	40.19 -4.15 0.00	40.03 -3.27 0.00
OLIN_CORP_DSASP 323712	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.12 -6.27 0.00	48.49 -6.15 0.00	39.72 -4.00 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.01 -3.92 0.00	38.80 -4.62 0.00	36.90 -4.58 0.00	50.26 -5.33 0.00	50.16 -4.52 0.00	54.79 -4.81 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.05 -5.45 0.00	47.86 -6.02 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
ONEIDA_HERK_LFGE 323681	47.85 0.54 0.00	38.56 0.43 0.00	36.96 0.46 0.00	33.83 0.13 0.00	37.05 0.22 0.00	34.88 0.41 0.00	51.26 0.87 0.00	55.54 0.90 0.00	44.51 0.79 0.00	42.65 0.41 0.00	43.52 0.37 0.00	38.79 0.43 0.00	36.17 0.23 0.00	43.77 0.35 0.00	41.91 0.44 0.00	56.35 0.76 0.00	55.81 1.13 0.00	60.90 1.30 0.00	68.08 1.39 0.00	81.98 1.72 0.00	54.64 1.15 0.00	55.11 1.23 0.00	45.35 1.02 0.00	44.23 0.93 0.00
ONEIDA___115KV_TB4 55905	47.95 0.63 0.00	38.71 0.58 0.00	37.07 0.57 0.00	34.17 0.47 0.00	37.39 0.57 0.00	35.19 0.72 0.00	51.63 1.24 0.00	56.00 1.37 0.00	44.73 1.02 0.00	43.06 0.81 0.00	44.04 0.88 0.00	39.15 0.80 0.00	36.51 0.58 0.00	44.22 0.79 0.00	42.13 0.66 0.00	56.64 1.05 0.00	56.17 1.49 0.00	61.22 1.61 0.00	68.45 1.75 0.00	82.25 1.99 0.00	54.78 1.28 0.00	55.04 1.16 0.00	45.19 0.86 0.00	44.06 0.75 0.00
ONONDAGA_REF_OCCRA 23987	46.40 -0.92 0.00	37.39 -0.74 0.00	35.78 -0.72 0.00	33.05 -0.65 0.00	36.15 -0.68 0.00	33.92 -0.55 0.00	49.65 -0.74 0.00	53.93 -0.70 0.00	43.17 -0.54 0.00	41.72 -0.52 0.00	42.64 -0.51 0.00	37.85 -0.51 0.00	35.40 -0.54 0.00	42.75 -0.68 0.00	40.82 -0.65 0.00	54.86 -0.73 0.00	54.30 -0.37 0.00	59.18 -0.42 0.00	66.23 -0.46 0.00	79.49 -0.78 0.00	52.95 -0.55 0.00	53.21 -0.67 0.00	43.70 -0.64 0.00	42.64 -0.66 0.00
ONONDAGA___COGEN 23986	46.30 -1.02 0.00	37.32 -0.81 0.00	35.74 -0.77 0.00	33.00 -0.69 0.00	36.11 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.78 -0.85 0.00	43.06 -0.66 0.00	41.58 -0.67 0.00	42.53 -0.62 0.00	37.77 -0.59 0.00	35.30 -0.64 0.00	42.61 -0.82 0.00	40.69 -0.78 0.00	54.70 -0.89 0.00	54.14 -0.54 0.00	59.01 -0.59 0.00	66.04 -0.65 0.00	79.25 -1.01 0.00	52.81 -0.68 0.00	53.04 -0.83 0.00	43.56 -0.78 0.00	42.54 -0.75 0.00
ONTARIO___LFGE 23819	45.95 -1.37 0.00	36.93 -1.20 0.00	35.37 -1.13 0.00	32.61 -1.08 0.00	35.82 -1.01 0.00	33.54 -0.94 0.00	49.17 -1.22 0.00	53.62 -1.01 0.00	43.19 -0.53 0.00	41.86 -0.39 0.00	42.62 -0.54 0.00	37.78 -0.58 0.00	35.04 -0.89 0.00	42.33 -1.09 0.00	40.49 -0.98 0.00	54.74 -0.85 0.00	54.44 -0.23 0.00	59.45 -0.15 0.00	66.63 -0.06 0.00	79.54 -0.73 0.00	52.81 -0.68 0.00	52.80 -1.07 0.00	43.24 -1.10 0.00	42.35 -0.95 0.00
ORANGEVILLE_WT_PWR 323706	43.07 -4.25 0.00	34.51 -3.62 0.00	33.10 -3.40 0.00	30.36 -3.34 0.00	33.61 -3.21 0.00	31.23 -3.25 0.00	45.83 -4.56 0.00	50.24 -4.39 0.00	40.67 -3.05 0.00	39.50 -2.75 0.00	40.22 -2.93 0.00	35.41 -2.95 0.00	32.72 -3.22 0.00	39.86 -3.57 0.00	37.99 -3.48 0.00	52.08 -3.51 0.00	52.33 -2.35 0.00	57.30 -2.31 0.00	64.51 -2.18 0.00	76.19 -4.08 0.00	50.28 -3.22 0.00	49.98 -3.90 0.00	41.11 -3.23 0.00	40.83 -2.47 0.00
ORANGEVILLE___ESR 323794	43.07 -4.25 0.00	34.51 -3.62 0.00	33.10 -3.40 0.00	30.36 -3.34 0.00	33.61 -3.21 0.00	31.23 -3.25 0.00	45.83 -4.56 0.00	50.24 -4.39 0.00	40.67 -3.05 0.00	39.50 -2.75 0.00	40.22 -2.93 0.00	35.41 -2.95 0.00	32.72 -3.22 0.00	39.86 -3.57 0.00	37.99 -3.48 0.00	52.08 -3.51 0.00	52.33 -2.35 0.00	57.30 -2.31 0.00	64.51 -2.18 0.00	76.19 -4.08 0.00	50.28 -3.22 0.00	49.98 -3.90 0.00	41.11 -3.23 0.00	40.83 -2.47 0.00
OSWEGATCHIE___HYD 24044	48.14 0.82 0.00	38.68 0.54 0.00	37.13 0.63 0.00	33.80 0.10 0.00	36.97 0.14 0.00	34.54 0.06 0.00	50.98 0.59 0.00	55.47 0.84 0.00	44.63 0.91 0.00	42.51 0.26 0.00	43.24 0.08 0.00	38.42 0.06 0.00	35.82 -0.11 0.00	43.12 -0.30 0.00	41.52 0.04 0.00	55.83 0.24 0.00	54.83 0.15 0.00	60.06 0.46 0.00	67.27 0.58 0.00	81.17 0.91 0.00	53.95 0.45 0.00	54.99 1.11 0.00	45.52 1.18 0.00	44.46 1.16 0.00
OSWEGO___5 23606	45.65 -1.67 0.00	36.79 -1.34 0.00	35.22 -1.28 0.00	32.54 -1.16 0.00	35.56 -1.26 0.00	33.33 -1.14 0.00	48.72 -1.67 0.00	52.87 -1.76 0.00	42.37 -1.34 0.00	40.94 -1.31 0.00	41.83 -1.32 0.00	37.19 -1.17 0.00	34.77 -1.17 0.00	41.99 -1.44 0.00	40.07 -1.40 0.00	53.80 -1.79 0.00	53.15 -1.53 0.00	57.90 -1.70 0.00	64.81 -1.88 0.00	77.83 -2.43 0.00	51.87 -1.63 0.00	52.15 -1.73 0.00	42.86 -1.48 0.00	41.87 -1.43 0.00
OSWEGO___6 23613	45.65 -1.67 0.00	36.79 -1.34 0.00	35.22 -1.28 0.00	32.54 -1.16 0.00	35.56 -1.26 0.00	33.33 -1.14 0.00	48.72 -1.67 0.00	52.87 -1.76 0.00	42.37 -1.34 0.00	40.94 -1.31 0.00	41.83 -1.32 0.00	37.19 -1.17 0.00	34.77 -1.17 0.00	41.99 -1.44 0.00	40.07 -1.40 0.00	53.80 -1.79 0.00	53.15 -1.53 0.00	57.90 -1.70 0.00	64.81 -1.88 0.00	77.83 -2.43 0.00	51.87 -1.63 0.00	52.15 -1.73 0.00	42.86 -1.48 0.00	41.87 -1.43 0.00

OUTOKUMPU-AB___DRP 24206	43.83 -3.49 0.00	35.05 -3.08 0.00	33.51 -2.99 0.00	30.73 -2.97 0.00	34.07 -2.75 0.00	31.39 -3.09 0.00	45.68 -4.71 0.00	50.26 -4.37 0.00	41.08 -2.63 0.00	40.16 -2.09 0.00	40.60 -2.55 0.00	35.83 -2.53 0.00	33.13 -2.81 0.00	40.17 -3.26 0.00	38.21 -3.27 0.00	52.07 -3.52 0.00	51.99 -2.69 0.00	56.82 -2.78 0.00	63.99 -2.70 0.00	75.41 -4.85 0.00	49.91 -3.59 0.00	49.66 -4.22 0.00	40.87 -3.47 0.00	40.56 -2.73 0.00
OXBOW___BTM 323836	43.15 -4.17 0.00	34.51 -3.62 0.00	32.99 -3.51 0.00	30.25 -3.45 0.00	33.55 -3.28 0.00	30.90 -3.57 0.00	44.84 -5.55 0.00	49.32 -5.32 0.00	40.34 -3.38 0.00	39.45 -2.79 0.00	39.88 -3.27 0.00	35.19 -3.17 0.00	32.52 -3.41 0.00	39.43 -3.99 0.00	37.51 -3.96 0.00	51.13 -4.46 0.00	51.05 -3.62 0.00	55.77 -3.83 0.00	62.81 -3.88 0.00	73.95 -6.32 0.00	48.94 -4.56 0.00	48.71 -5.17 0.00	40.22 -4.12 0.00	39.94 -3.36 0.00
OXBOW___ 24026	43.15 -4.17 0.00	34.51 -3.62 0.00	32.99 -3.51 0.00	30.24 -3.45 0.00	33.55 -3.27 0.00	30.90 -3.58 0.00	44.84 -5.55 0.00	49.31 -5.32 0.00	40.35 -3.37 0.00	39.45 -2.79 0.00	39.88 -3.27 0.00	35.19 -3.16 0.00	32.54 -3.40 0.00	39.45 -3.98 0.00	37.51 -3.96 0.00	51.12 -4.47 0.00	51.02 -3.65 0.00	55.77 -3.83 0.00	62.80 -3.89 0.00	73.95 -6.32 0.00	48.93 -4.57 0.00	48.72 -5.16 0.00	40.22 -4.12 0.00	39.94 -3.36 0.00
OXY_CHEM_DSASP 323612	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.12 -6.27 0.00	48.49 -6.15 0.00	39.72 -4.00 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.01 -3.92 0.00	38.80 -4.62 0.00	36.90 -4.58 0.00	50.26 -5.33 0.00	50.16 -4.52 0.00	54.79 -4.81 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.05 -5.45 0.00	47.86 -6.02 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
OZONE_PARK_ESR 323760	49.97 2.65 0.00	40.36 2.23 0.00	38.52 2.01 0.00	35.52 1.83 0.00	38.88 2.06 0.00	36.78 2.31 0.00	53.51 3.12 0.00	57.95 3.31 0.00	46.43 2.71 0.00	46.60 2.93 -1.42	46.42 3.26 -0.01	42.09 3.13 -0.59	39.80 2.79 -1.07	47.09 3.41 -0.25	44.56 3.07 -0.01	58.97 3.38 0.00	58.01 3.34 0.00	63.00 3.39 0.00	70.17 3.48 0.00	84.41 4.14 0.00	56.48 2.98 0.00	56.85 2.97 0.00	46.86 2.53 0.00	45.45 2.15 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.12 -6.27 0.00	48.49 -6.15 0.00	39.72 -4.00 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.01 -3.92 0.00	38.80 -4.62 0.00	36.90 -4.58 0.00	50.26 -5.33 0.00	50.16 -4.52 0.00	54.79 -4.81 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.05 -5.45 0.00	47.86 -6.02 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
PACKARD__115KV_DUPONT_184 80571	42.61 -4.71 0.00	34.08 -4.05 0.00	32.56 -3.94 0.00	29.86 -3.84 0.00	33.13 -3.70 0.00	30.50 -3.97 0.00	44.11 -6.28 0.00	48.47 -6.16 0.00	39.70 -4.01 0.00	38.85 -3.39 0.01	39.24 -3.91 0.00	34.63 -3.73 0.00	32.00 -3.93 0.00	38.78 -4.65 0.00	36.90 -4.58 0.00	50.27 -5.32 0.00	50.18 -4.50 0.00	54.80 -4.80 0.00	61.71 -4.98 0.00	72.62 -7.64 0.00	48.06 -5.43 0.00	47.84 -6.04 0.00	39.67 -4.66 0.00	39.42 -3.88 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	49.63 2.32 0.00	40.15 2.02 0.00	38.32 1.82 0.00	35.34 1.65 0.00	38.68 1.86 0.00	36.58 2.11 0.00	53.06 2.67 0.00	57.50 2.87 0.00	46.09 2.37 0.00	46.46 2.45 -1.76	45.90 2.74 -0.01	41.61 2.52 -0.73	39.45 2.19 -1.33	46.51 2.78 -0.31	44.04 2.56 -0.02	58.37 2.78 0.00	57.36 2.68 0.00	62.30 2.70 0.00	69.35 2.67 0.00	83.55 3.28 0.00	55.98 2.48 0.00	56.28 2.40 0.00	46.45 2.11 0.00	45.04 1.74 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	50.41 3.10 0.00	40.76 2.63 0.00	38.91 2.41 0.00	35.89 2.19 0.00	39.32 2.49 0.00	37.20 2.73 0.00	54.06 3.67 0.00	58.64 4.01 0.00	46.98 3.26 0.00	47.29 3.28 -1.76	46.74 3.58 -0.01	42.34 3.25 -0.73	40.12 2.85 -1.33	47.32 3.59 -0.31	44.81 3.32 -0.02	59.43 3.84 0.00	58.45 3.78 0.00	63.50 3.90 0.00	70.71 4.02 0.00	85.09 4.82 0.00	56.97 3.47 0.00	57.29 3.41 0.00	47.28 2.94 0.00	45.84 2.54 0.00
PATROON__115KV_TB1 80586	48.12 0.80 0.00	38.90 0.77 0.00	37.21 0.71 0.00	34.44 0.74 0.00	37.51 0.69 0.00	35.31 0.84 0.00	51.41 1.02 0.00	55.56 0.93 0.00	44.21 0.50 0.00	42.62 0.37 0.00	43.56 0.41 0.00	39.09 0.73 0.00	36.59 0.66 0.00	44.26 0.83 0.00	42.24 0.77 0.00	56.39 0.80 0.00	55.78 1.10 0.00	60.43 0.82 0.00	67.56 0.86 0.00	81.47 1.21 0.00	54.37 0.87 0.00	54.13 0.25 0.00	44.41 0.07 0.00	43.33 0.03 0.00
PATTRSNVILLE___SOLAR 323815	48.31 0.99 0.00	38.96 0.83 0.00	37.27 0.77 0.00	34.43 0.73 0.00	37.63 0.80 0.00	35.35 0.87 0.00	51.63 1.24 0.00	55.79 1.16 0.00	44.22 0.51 0.00	42.47 0.22 0.00	43.52 0.37 0.00	38.88 0.52 0.00	36.37 0.44 0.00	44.05 0.62 0.00	42.01 0.54 0.00	56.50 0.92 0.00	56.09 1.42 0.00	61.05 1.45 0.00	68.35 1.66 0.00	82.36 2.09 0.00	54.97 1.47 0.00	55.16 1.29 0.00	45.36 1.03 0.00	44.25 0.95 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	44.23 -3.09 0.00	35.41 -2.72 0.00	33.89 -2.61 0.00	31.10 -2.60 0.00	34.41 -2.41 0.00	31.85 -2.62 0.00	46.62 -3.77 0.00	51.29 -3.35 0.00	41.78 -1.93 0.00	40.80 -1.45 0.00	41.30 -1.85 0.00	36.42 -1.94 0.00	33.71 -2.23 0.00	40.91 -2.52 0.00	38.89 -2.58 0.00	52.91 -2.68 0.00	52.82 -1.86 0.00	57.74 -1.86 0.00	65.00 -1.69 0.00	76.76 -3.51 0.00	50.74 -2.76 0.00	50.57 -3.31 0.00	41.42 -2.92 0.00	40.95 -2.35 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	49.54 2.22 0.00	40.00 1.87 0.00	38.18 1.68 0.00	35.24 1.55 0.00	38.55 1.73 0.00	36.43 1.96 0.00	53.07 2.68 0.00	57.45 2.81 0.00	45.95 2.23 0.00	44.62 2.37 0.00	45.81 2.66 0.00	40.96 2.60 0.00	38.23 2.30 0.00	46.27 2.84 0.00	44.07 2.59 0.00	58.56 2.96 0.00	57.70 3.03 0.00	62.72 3.12 0.00	69.95 3.25 0.00	84.20 3.93 0.00	56.24 2.74 0.00	56.53 2.65 0.00	46.54 2.20 0.00	45.20 1.90 0.00
PEEKSKILL___ 23653	49.10 1.78 0.00	39.67 1.54 0.00	37.87 1.37 0.00	34.93 1.24 0.00	38.22 1.39 0.00	36.11 1.63 0.00	52.52 2.13 0.00	56.81 2.18 0.00	45.45 1.73 0.00	44.24 1.95 -0.04	45.40 2.25 0.00	40.57 2.20 -0.01	37.91 1.95 -0.03	45.85 2.41 -0.01	43.61 2.14 0.00	57.86 2.26 0.00	56.96 2.28 0.00	61.88 2.28 0.00	68.97 2.28 0.00	83.04 2.78 0.00	55.48 1.98 0.00	55.86 1.98 0.00	46.02 1.68 0.00	44.71 1.42 0.00
PGE MADISON___WINDPWR 24146	47.80 0.48 0.00	38.41 0.28 0.00	36.81 0.30 0.00	33.92 0.23 0.00	37.41 0.59 0.00	35.19 0.72 0.00	51.80 1.41 0.00	56.30 1.67 0.00	44.88 1.17 0.00	43.12 0.87 0.00	44.19 1.04 0.00	38.89 0.53 0.00	36.37 0.43 0.00	43.26 -0.17 0.00	41.57 0.10 0.00	56.59 1.00 0.00	57.54 2.86 0.00	62.98 3.37 0.00	70.76 4.06 0.00	85.27 5.00 0.00	56.90 3.40 0.00	57.15 3.28 0.00	46.99 2.65 0.00	45.89 2.59 0.00

PIERCEFIELD___HYD 23852	49.12 1.81 0.00	39.43 1.30 0.00	37.82 1.32 0.00	34.73 1.03 0.00	37.97 1.15 0.00	35.15 0.68 0.00	51.82 1.43 0.00	56.35 1.72 0.00	45.25 1.54 0.00	43.50 1.25 0.00	44.18 1.02 0.00	38.99 0.63 0.00	36.52 0.59 0.00	44.05 0.62 0.00	42.35 0.88 0.00	56.80 1.20 0.00	55.25 0.57 0.00	60.52 0.92 0.00	67.88 1.18 0.00	81.95 1.68 0.00	54.45 0.96 0.00	55.70 1.82 0.00	46.21 1.88 0.00	45.20 1.90 0.00
PINELAWN_CC_1 323563	49.27 1.96 0.00	39.87 1.74 0.00	38.02 1.52 0.00	35.10 1.40 0.00	38.37 1.54 0.00	36.35 1.88 0.00	51.69 1.95 0.66	42.87 2.01 13.77	40.56 1.66 4.82	43.14 2.02 1.13	45.86 2.71 0.00	40.90 2.59 0.04	37.99 2.14 0.08	45.97 2.57 0.02	43.43 2.27 0.31	52.88 2.35 5.06	49.93 2.42 7.16	56.13 2.33 5.80	67.52 2.21 1.39	83.03 2.77 0.00	55.56 2.07 0.00	52.05 2.06 3.89	46.54 2.20 0.00	45.06 1.76 0.00
PJM_GEN_HTTP_PROXY 323702	49.56 2.24 0.00	40.04 1.91 0.00	38.21 1.71 0.00	35.25 1.55 0.00	38.58 1.75 0.00	36.49 2.01 0.00	53.03 2.64 0.00	57.39 2.75 0.00	45.95 2.24 0.00	45.82 2.49 -1.08	45.99 2.83 -0.01	41.54 2.73 -0.45	39.17 2.42 -0.82	46.58 2.96 -0.19	44.15 2.66 -0.01	58.41 2.82 0.00	57.44 2.77 0.00	62.34 2.74 0.00	69.43 2.74 0.00	83.54 3.28 0.00	55.89 2.39 0.00	56.29 2.41 0.00	45.95 2.06 0.45	45.04 1.74 0.00
PJM_GEN_KEystone 24065	46.38 -0.94 0.00	37.33 -0.81 0.00	35.67 -0.83 0.00	32.43 -0.84 0.43	36.08 -0.75 0.00	33.83 -0.64 0.00	49.34 -1.05 0.00	53.65 -0.99 0.00	43.11 -0.60 0.00	42.10 -0.25 -0.10	43.00 -0.15 0.00	38.20 -0.20 -0.04	35.58 -0.43 -0.07	42.99 -0.46 -0.02	40.81 -0.66 0.00	52.74 -0.93 1.92	54.56 -0.56 -0.44	58.95 -0.66 0.00	66.05 -0.64 0.00	78.82 -1.45 0.00	52.39 -1.11 0.00	52.60 -1.27 0.00	42.85 -1.04 0.45	42.39 -0.91 0.00
PJM_GEN_NEPTUNE_PROXY 323594	49.04 1.72 0.00	39.69 1.56 0.00	37.86 1.36 0.00	34.95 1.25 0.00	38.20 1.37 0.00	36.16 1.69 0.00	51.29 1.74 0.84	38.85 1.80 17.59	39.08 1.52 6.15	42.77 1.93 1.41	45.68 2.52 0.00	40.79 2.48 0.04	37.95 2.09 0.08	45.88 2.48 0.02	43.23 2.15 0.40	51.22 2.10 6.46	47.59 2.05 9.14	54.10 1.90 7.40	66.71 1.79 1.77	82.54 2.27 0.00	55.26 1.76 0.00	50.69 1.78 4.97	45.77 1.88 0.45	44.80 1.50 0.00
PJM_GEN_VFT_PROXY 323633	49.56 2.24 0.00	40.04 1.91 0.00	38.21 1.71 0.00	35.25 1.55 0.00	38.57 1.75 0.00	36.50 2.03 0.00	53.03 2.65 0.00	57.36 2.73 0.00	45.94 2.23 0.00	46.16 2.48 -1.43	45.95 2.79 -0.01	41.66 2.71 -0.59	39.43 2.41 -1.08	46.63 2.95 -0.25	44.11 2.63 -0.01	58.27 2.68 0.00	57.31 2.64 0.00	62.20 2.59 0.00	69.26 2.57 0.00	83.37 3.11 0.00	55.79 2.29 0.00	56.19 2.31 0.00	45.88 1.99 0.45	44.96 1.66 0.00
PLATSBURG_115KV_PMLD1 355749	48.06 0.74 0.00	38.50 0.37 0.00	36.92 0.42 0.00	34.11 0.41 0.00	37.27 0.45 0.00	34.30 -0.17 0.00	50.44 0.05 0.00	54.73 0.10 0.00	44.06 0.35 0.00	42.41 0.16 0.00	43.18 0.03 0.00	38.14 -0.21 0.00	35.77 -0.17 0.00	42.93 -0.49 0.00	41.06 -0.41 0.00	55.31 -0.28 0.00	53.67 -1.01 0.00	58.96 -0.64 0.00	66.49 -0.21 0.00	80.54 0.28 0.00	53.43 -0.07 0.00	54.53 0.65 0.00	45.42 1.08 0.00	44.53 1.23 0.00
PLEASANTVLY___LBMP 24000	48.92 1.60 0.00	39.52 1.38 0.00	37.73 1.23 0.00	34.83 1.13 0.00	38.08 1.25 0.00	35.96 1.48 0.00	52.28 1.89 0.00	56.54 1.91 0.00	45.24 1.52 0.00	43.96 1.71 0.00	45.12 1.97 0.00	40.33 1.97 0.00	37.67 1.73 0.00	45.58 2.15 0.00	43.40 1.93 0.00	57.60 2.01 0.00	56.71 2.04 0.00	61.54 1.94 0.00	68.63 1.94 0.00	82.67 2.40 0.00	55.26 1.76 0.00	55.58 1.71 0.00	45.78 1.45 0.00	44.50 1.20 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	49.29 1.97 0.00	39.82 1.69 0.00	38.03 1.52 0.00	35.08 1.39 0.00	38.37 1.54 0.00	36.27 1.79 0.00	52.74 2.35 0.00	57.02 2.39 0.00	45.65 1.94 0.00	44.33 2.15 0.07	45.60 2.44 0.00	40.73 2.41 0.03	38.00 2.12 0.05	46.04 2.62 0.01	43.82 2.35 0.00	58.12 2.53 0.00	57.19 2.52 0.00	62.09 2.48 0.00	69.22 2.52 0.00	83.32 3.05 0.00	55.70 2.20 0.00	56.05 2.17 0.00	46.19 1.85 0.00	44.86 1.56 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	49.29 1.97 0.00	39.82 1.69 0.00	38.03 1.52 0.00	35.08 1.39 0.00	38.37 1.54 0.00	36.27 1.79 0.00	52.74 2.35 0.00	57.02 2.39 0.00	45.65 1.94 0.00	44.33 2.15 0.07	45.60 2.44 0.00	40.73 2.41 0.03	38.00 2.12 0.05	46.04 2.62 0.01	43.82 2.35 0.00	58.12 2.53 0.00	57.19 2.52 0.00	62.09 2.48 0.00	69.22 2.52 0.00	83.32 3.05 0.00	55.70 2.20 0.00	56.05 2.17 0.00	46.19 1.85 0.00	44.86 1.56 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	49.28 1.96 0.00	39.79 1.65 0.00	37.99 1.49 0.00	35.07 1.38 0.00	38.35 1.52 0.00	36.20 1.73 0.00	52.70 2.31 0.00	57.06 2.42 0.00	45.61 1.89 0.00	44.24 1.99 0.00	45.65 2.49 0.00	40.64 2.28 0.00	37.91 1.98 0.00	45.91 2.48 0.00	43.74 2.27 0.00	58.12 2.53 0.00	57.28 2.61 0.00	62.23 2.63 0.00	69.43 2.74 0.00	83.63 3.36 0.00	55.87 2.37 0.00	56.15 2.28 0.00	46.21 1.87 0.00	44.89 1.59 0.00
POLETTI_____ 23519	49.63 2.32 0.00	40.10 1.97 0.00	38.27 1.77 0.00	35.30 1.60 0.00	38.63 1.81 0.00	36.55 2.07 0.00	53.13 2.73 0.00	57.48 2.85 0.00	46.05 2.33 0.00	46.20 2.59 -1.37	46.08 2.92 -0.01	41.75 2.82 -0.57	39.47 2.50 -1.03	46.73 3.06 -0.24	44.24 2.75 -0.01	58.52 2.93 0.00	57.53 2.85 0.00	62.45 2.85 0.00	69.54 2.84 0.00	83.68 3.41 0.00	55.99 2.49 0.00	56.37 2.49 0.00	46.49 2.15 0.00	45.11 1.81 0.00
POMONA___ESR 323819	49.15 1.83 0.00	39.71 1.58 0.00	37.92 1.41 0.00	34.98 1.29 0.00	38.27 1.44 0.00	36.16 1.68 0.00	52.58 2.19 0.00	56.88 2.24 0.00	45.50 1.78 0.00	44.25 2.00 0.00	45.46 2.31 0.00	40.62 2.26 0.00	37.93 2.00 0.00	45.91 2.49 0.00	43.67 2.20 0.00	57.94 2.35 0.00	57.06 2.38 0.00	62.00 2.40 0.00	69.12 2.42 0.00	83.21 2.95 0.00	55.55 2.05 0.00	55.92 2.04 0.00	46.10 1.76 0.00	44.77 1.47 0.00
PORT_JEFF_3 23555	48.90 1.58 0.00	39.62 1.49 0.00	37.80 1.30 0.00	34.90 1.20 0.00	38.14 1.31 0.00	36.20 1.73 0.00	51.08 1.47 0.78	39.74 1.43 16.32	39.26 1.26 5.71	42.63 1.70 1.32	45.54 2.39 0.00	40.72 2.40 0.04	37.80 1.94 0.08	45.72 2.32 0.02	43.04 1.93 0.37	51.30 1.71 6.00	47.94 1.75 8.49	54.32 1.59 6.87	66.43 1.38 1.64	82.03 1.76 0.00	54.87 1.37 0.00	50.65 1.39 4.61	46.07 1.74 0.00	44.64 1.34 0.00
PORT_JEFF_4 23616	48.90 1.58 0.00	39.62 1.49 0.00	37.80 1.30 0.00	34.90 1.20 0.00	38.14 1.31 0.00	36.20 1.73 0.00	51.08 1.47 0.78	39.74 1.43 16.32	39.26 1.26 5.71	42.63 1.70 1.32	45.54 2.39 0.00	40.72 2.40 0.04	37.80 1.94 0.08	45.72 2.32 0.02	43.04 1.93 0.37	51.30 1.71 6.00	47.94 1.75 8.49	54.32 1.59 6.87	66.43 1.38 1.64	82.03 1.76 0.00	54.87 1.37 0.00	50.65 1.39 4.61	46.07 1.74 0.00	44.64 1.34 0.00

PORT_JEFF_IC 23713	48.89 1.57 0.00	39.63 1.50 0.00	37.81 1.30 0.00	34.90 1.20 0.00	38.15 1.32 0.00	36.22 1.74 0.00	51.08 1.46 0.77	39.82 1.40 16.21	39.29 1.24 5.67	42.62 1.69 1.31	45.54 2.39 0.00	40.72 2.40 0.04	37.79 1.94 0.08	45.71 2.31 0.02	43.05 1.95 0.37	51.39 1.76 5.96	48.04 1.79 8.43	54.40 1.62 6.83	66.46 1.39 1.63	82.03 1.76 0.00	54.88 1.39 0.00	50.69 1.39 4.58	46.08 1.74 0.00	44.64 1.34 0.00
PPL PILGRIM_ST_GT1 24216	49.38 2.05 0.00	39.95 1.82 0.00	38.10 1.59 0.00	35.17 1.48 0.00	38.45 1.62 0.00	36.46 1.99 0.00	51.64 1.99 0.75	40.90 1.95 15.68	39.82 1.58 5.48	42.96 1.98 1.27	45.84 2.69 0.00	40.93 2.61 0.04	38.03 2.18 0.08	45.99 2.59 0.02	43.41 2.29 0.35	52.12 2.29 5.76	48.88 2.36 8.15	55.28 2.28 6.60	67.26 2.15 1.58	82.96 2.70 0.00	55.48 1.99 0.00	51.46 2.01 4.43	46.56 2.22 0.00	45.09 1.79 0.00
PPL PILGRIM_ST_GT2 24217	49.38 2.05 0.00	39.95 1.82 0.00	38.10 1.59 0.00	35.17 1.48 0.00	38.45 1.62 0.00	36.46 1.99 0.00	51.64 1.99 0.75	40.90 1.95 15.68	39.82 1.58 5.48	42.96 1.98 1.27	45.84 2.69 0.00	40.93 2.61 0.04	38.03 2.18 0.08	45.99 2.59 0.02	43.41 2.29 0.35	52.12 2.29 5.76	48.88 2.36 8.15	55.28 2.28 6.60	67.26 2.15 1.58	82.96 2.70 0.00	55.48 1.99 0.00	51.46 2.01 4.43	46.56 2.22 0.00	45.09 1.79 0.00
PPL_SHRM_GT3 24213	48.27 0.95 0.00	39.31 1.17 0.00	37.47 0.97 0.00	34.61 0.92 0.00	37.84 1.01 0.00	35.97 1.50 0.00	50.44 0.82 0.78	4.58 0.32 50.37	-7.96 0.44 52.11	23.23 1.08 20.09	24.82 1.73 20.07	32.89 1.91 7.39	19.98 1.48 17.44	18.31 1.77 26.89	28.44 1.45 14.48	29.93 0.97 26.64	27.95 0.71 27.43	36.36 0.47 23.71	45.01 0.11 21.79	56.49 0.25 24.03	27.91 0.37 25.95	14.85 0.37 39.40	17.56 0.96 27.73	16.90 0.62 27.02
PPL_SHRM_GT4 24214	48.27 0.95 0.00	39.31 1.17 0.00	37.47 0.97 0.00	34.61 0.92 0.00	37.84 1.01 0.00	35.97 1.50 0.00	50.44 0.82 0.78	4.58 0.32 50.37	-7.96 0.44 52.11	23.23 1.08 20.09	24.82 1.73 20.07	32.89 1.91 7.39	19.98 1.48 17.44	18.31 1.77 26.89	28.44 1.45 14.48	29.93 0.97 26.64	27.95 0.71 27.43	36.36 0.47 23.71	45.01 0.11 21.79	56.49 0.25 24.03	27.91 0.37 25.95	14.85 0.37 39.40	17.56 0.96 27.73	16.90 0.62 27.02
PROJECT___ORANGE 1 24174	46.03 -1.29 0.00	37.10 -1.03 0.00	35.51 -0.99 0.00	32.80 -0.90 0.00	35.86 -0.96 0.00	33.66 -0.81 0.00	49.23 -1.16 0.00	53.48 -1.16 0.00	42.84 -0.87 0.00	41.41 -0.84 0.00	42.33 -0.82 0.00	37.61 -0.74 0.00	35.14 -0.80 0.00	42.46 -0.97 0.00	40.53 -0.94 0.00	54.45 -1.14 0.00	53.87 -0.80 0.00	58.67 -0.93 0.00	65.67 -1.02 0.00	78.79 -1.48 0.00	52.50 -0.99 0.00	52.78 -1.10 0.00	43.33 -1.01 0.00	42.30 -1.00 0.00
PROJECT___ORANGE 2 24166	46.03 -1.29 0.00	37.10 -1.03 0.00	35.51 -0.99 0.00	32.80 -0.90 0.00	35.86 -0.96 0.00	33.66 -0.81 0.00	49.23 -1.16 0.00	53.48 -1.16 0.00	42.84 -0.87 0.00	41.41 -0.84 0.00	42.33 -0.82 0.00	37.61 -0.74 0.00	35.14 -0.80 0.00	42.46 -0.97 0.00	40.53 -0.94 0.00	54.45 -1.14 0.00	53.87 -0.80 0.00	58.67 -0.93 0.00	65.67 -1.02 0.00	78.79 -1.48 0.00	52.50 -0.99 0.00	52.78 -1.10 0.00	43.33 -1.01 0.00	42.30 -1.00 0.00
PUCKETT___SOLAR 323809	47.30 -0.02 0.00	38.11 -0.02 0.00	36.44 -0.06 0.00	33.63 -0.07 0.00	36.88 0.06 0.00	34.63 0.16 0.00	50.72 0.33 0.00	55.10 0.47 0.00	44.04 0.33 0.00	42.54 0.29 0.00	43.45 0.30 0.00	38.57 0.22 0.00	36.08 0.14 0.00	43.48 0.05 0.00	41.51 0.04 0.00	55.81 0.22 0.00	55.52 0.85 0.00	60.44 0.84 0.00	67.81 1.12 0.00	81.29 1.03 0.00	54.21 0.71 0.00	54.50 0.62 0.00	44.80 0.46 0.00	43.73 0.43 0.00
PYRITES___HYD 24023	49.93 2.61 0.00	40.05 1.92 0.00	38.42 1.92 0.00	35.31 1.61 0.00	38.63 1.81 0.00	35.75 1.27 0.00	52.74 2.35 0.00	57.35 2.72 0.00	46.02 2.30 0.00	44.20 1.95 0.00	44.78 1.63 0.00	39.30 0.95 0.00	36.79 0.86 0.00	44.50 1.08 0.00	42.88 1.41 0.00	57.46 1.87 0.00	56.28 1.60 0.00	61.97 2.36 0.00	69.50 2.81 0.00	83.73 3.46 0.00	55.60 2.11 0.00	56.74 2.86 0.00	46.97 2.63 0.00	45.90 2.60 0.00
QUAKERRD_115KV_BK1 80622	44.48 -2.84 0.00	35.70 -2.43 0.00	34.19 -2.32 0.00	31.48 -2.21 0.00	34.65 -2.17 0.00	32.33 -2.14 0.00	47.36 -3.03 0.00	51.77 -2.87 0.00	41.83 -1.88 0.00	40.63 -1.63 0.00	41.34 -1.81 0.00	36.60 -1.76 0.00	34.02 -1.92 0.00	41.10 -2.32 0.00	39.19 -2.29 0.00	53.03 -2.56 0.00	52.69 -1.98 0.00	57.54 -2.06 0.00	64.53 -2.16 0.00	76.86 -3.40 0.00	51.00 -2.49 0.00	50.96 -2.92 0.00	41.70 -2.64 0.00	40.93 -2.37 0.00
QUENSBRY_115KV_TB8 356137	49.23 1.91 0.00	39.72 1.59 0.00	37.90 1.40 0.00	35.09 1.40 0.00	38.24 1.41 0.00	36.20 1.72 0.00	52.66 2.27 0.00	56.90 2.27 0.00	45.02 1.30 0.00	43.12 0.87 0.00	44.19 1.03 0.00	39.79 1.44 0.00	37.16 1.23 0.00	45.18 1.75 0.00	43.11 1.64 0.00	57.81 2.22 0.00	57.55 2.87 0.00	62.21 2.61 0.00	69.64 2.95 0.00	84.22 3.95 0.00	56.46 2.96 0.00	56.05 2.17 0.00	45.99 1.65 0.00	45.01 1.71 0.00
RAMAPO___LBMP 323565	48.96 1.64 0.00	39.56 1.43 0.00	37.78 1.28 0.00	34.85 1.15 0.00	38.12 1.30 0.00	36.02 1.55 0.00	52.37 1.98 0.00	56.65 2.02 0.00	45.31 1.60 0.00	44.06 1.81 0.00	45.26 2.11 0.00	40.42 2.07 0.00	37.77 1.83 0.00	45.70 2.27 0.00	43.47 1.99 0.00	57.68 2.10 0.00	56.78 2.11 0.00	61.71 2.11 0.00	68.81 2.12 0.00	82.85 2.59 0.00	55.32 1.82 0.00	55.69 1.81 0.00	45.90 1.56 0.00	44.59 1.30 0.00
RANKINE____ 23646	44.07 -3.25 0.00	35.27 -2.87 0.00	33.78 -2.72 0.00	30.98 -2.72 0.00	34.31 -2.52 0.00	31.73 -2.75 0.00	46.39 -4.00 0.00	51.05 -3.59 0.00	41.65 -2.06 0.00	40.68 -1.57 0.00	41.20 -1.96 0.00	36.33 -2.03 0.00	33.60 -2.33 0.00	40.81 -2.61 0.00	38.80 -2.68 0.00	52.84 -2.75 0.00	52.77 -1.91 0.00	57.69 -1.91 0.00	64.99 -1.70 0.00	76.69 -3.58 0.00	50.67 -2.82 0.00	50.49 -3.39 0.00	41.37 -2.97 0.00	40.97 -2.32 0.00
RAVENSWOOD_GT2_1 24244	49.60 2.28 0.00	40.07 1.94 0.00	38.25 1.75 0.00	35.28 1.58 0.00	38.61 1.79 0.00	36.51 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.54 2.53 -1.76	46.02 2.86 -0.01	41.85 2.76 -0.73	39.70 2.43 -1.33	46.74 3.00 -0.31	44.19 2.70 -0.02	58.46 2.87 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.95 2.45 0.00	56.34 2.46 0.00	46.46 2.12 0.00	45.09 1.79 0.00
RAVENSWOOD_GT2_2 24245	49.60 2.28 0.00	40.07 1.94 0.00	38.25 1.75 0.00	35.28 1.58 0.00	38.61 1.79 0.00	36.51 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.54 2.53 -1.76	46.02 2.86 -0.01	41.85 2.76 -0.73	39.70 2.43 -1.33	46.74 3.00 -0.31	44.19 2.70 -0.02	58.46 2.87 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.95 2.45 0.00	56.34 2.46 0.00	46.46 2.12 0.00	45.09 1.79 0.00

RAVENSWOOD_GT2_3 24246	49.61 2.29 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.06 0.00	53.09 2.70 0.00	57.45 2.82 0.00	46.03 2.31 0.00	46.58 2.57 -1.76	46.04 2.88 -0.01	41.86 2.77 -0.73	39.72 2.46 -1.33	46.76 3.02 -0.31	44.21 2.72 -0.02	58.49 2.90 0.00	57.51 2.84 0.00	62.42 2.82 0.00	69.52 2.83 0.00	83.66 3.40 0.00	55.97 2.48 0.00	56.35 2.47 0.00	46.47 2.13 0.00	45.09 1.79 0.00
RAVENSWOOD_GT2_4 24247	49.61 2.29 0.00	40.09 1.96 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.06 0.00	53.09 2.70 0.00	57.45 2.82 0.00	46.03 2.31 0.00	46.58 2.57 -1.76	46.04 2.88 -0.01	41.86 2.77 -0.73	39.72 2.46 -1.33	46.76 3.02 -0.31	44.21 2.72 -0.02	58.49 2.90 0.00	57.51 2.84 0.00	62.42 2.82 0.00	69.52 2.83 0.00	83.66 3.40 0.00	55.97 2.48 0.00	56.35 2.47 0.00	46.47 2.13 0.00	45.09 1.79 0.00
RAVENSWOOD_GT3_1 24248	49.60 2.28 0.00	40.07 1.94 0.00	38.25 1.75 0.00	35.28 1.58 0.00	38.61 1.79 0.00	36.51 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.54 2.53 -1.76	46.02 2.86 -0.01	41.85 2.76 -0.73	39.70 2.43 -1.33	46.74 3.00 -0.31	44.20 2.71 -0.02	58.47 2.88 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.95 2.45 0.00	56.34 2.46 0.00	46.46 2.12 0.00	45.09 1.79 0.00
RAVENSWOOD_GT3_2 24249	49.60 2.28 0.00	40.07 1.94 0.00	38.25 1.75 0.00	35.28 1.58 0.00	38.61 1.79 0.00	36.51 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.54 2.53 -1.76	46.02 2.86 -0.01	41.85 2.76 -0.73	39.70 2.43 -1.33	46.74 3.00 -0.31	44.20 2.71 -0.02	58.47 2.88 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.95 2.45 0.00	56.34 2.46 0.00	46.46 2.12 0.00	45.09 1.79 0.00
RAVENSWOOD_GT3_3 24250	49.65 2.33 0.00	40.12 1.99 0.00	38.29 1.79 0.00	35.32 1.62 0.00	38.65 1.83 0.00	36.57 2.09 0.00	53.13 2.74 0.00	57.50 2.87 0.00	46.08 2.36 0.00	46.62 2.61 -1.76	46.09 2.92 -0.01	41.91 2.81 -0.73	39.76 2.49 -1.33	46.80 3.07 -0.31	44.25 2.76 -0.02	58.55 2.97 0.00	57.58 2.90 0.00	62.48 2.88 0.00	69.59 2.90 0.00	83.75 3.49 0.00	56.03 2.54 0.00	56.41 2.53 0.00	46.52 2.18 0.00	45.13 1.84 0.00
RAVENSWOOD_GT3_4 24251	49.65 2.33 0.00	40.12 1.99 0.00	38.29 1.79 0.00	35.32 1.62 0.00	38.65 1.83 0.00	36.57 2.09 0.00	53.13 2.74 0.00	57.50 2.87 0.00	46.08 2.36 0.00	46.62 2.61 -1.76	46.09 2.92 -0.01	41.91 2.81 -0.73	39.76 2.49 -1.33	46.80 3.07 -0.31	44.25 2.76 -0.02	58.55 2.97 0.00	57.58 2.90 0.00	62.48 2.88 0.00	69.59 2.90 0.00	83.75 3.49 0.00	56.03 2.54 0.00	56.41 2.53 0.00	46.52 2.18 0.00	45.13 1.84 0.00
RAVENSWOOD_GT_1 23729	49.68 2.36 0.00	40.16 2.03 0.00	38.33 1.83 0.00	35.36 1.67 0.00	38.70 1.87 0.00	36.61 2.14 0.00	53.13 2.74 0.00	57.48 2.85 0.00	46.12 2.41 0.00	46.66 2.65 -1.76	46.12 2.96 -0.01	41.87 2.78 -0.73	39.71 2.45 -1.33	46.81 3.07 -0.31	44.28 2.78 -0.02	58.51 2.92 0.00	57.46 2.79 0.00	62.37 2.77 0.00	69.41 2.72 0.00	83.58 3.31 0.00	55.98 2.49 0.00	56.36 2.49 0.00	46.55 2.21 0.00	45.15 1.85 0.00
RAVENSWOOD_GT_10 24258	49.60 2.28 0.00	40.06 1.94 0.00	38.25 1.75 0.00	35.28 1.58 0.00	38.61 1.78 0.00	36.51 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.54 2.53 -1.76	46.02 2.86 -0.01	41.85 2.76 -0.73	39.70 2.44 -1.33	46.74 3.00 -0.31	44.19 2.70 -0.02	58.47 2.88 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.95 2.46 0.00	56.34 2.46 0.00	46.45 2.11 0.00	45.09 1.79 0.00
RAVENSWOOD_GT_11 24259	49.60 2.28 0.00	40.06 1.94 0.00	38.25 1.75 0.00	35.28 1.58 0.00	38.61 1.78 0.00	36.51 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.54 2.53 -1.76	46.02 2.86 -0.01	41.85 2.76 -0.73	39.70 2.44 -1.33	46.74 3.00 -0.31	44.19 2.70 -0.02	58.47 2.88 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.95 2.46 0.00	56.34 2.46 0.00	46.45 2.11 0.00	45.09 1.79 0.00
RAVENSWOOD_GT_4 24252	49.61 2.29 0.00	40.08 1.95 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.07 2.68 0.00	57.43 2.79 0.00	46.03 2.31 0.00	46.57 2.56 -1.76	46.03 2.87 -0.01	41.84 2.74 -0.73	39.68 2.42 -1.33	46.74 3.00 -0.31	44.20 2.71 -0.02	58.46 2.87 0.00	57.45 2.78 0.00	62.37 2.77 0.00	69.45 2.76 0.00	83.59 3.32 0.00	55.94 2.45 0.00	56.33 2.45 0.00	46.46 2.13 0.00	45.09 1.79 0.00
RAVENSWOOD_GT_5 24254	49.61 2.29 0.00	40.08 1.95 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.07 2.68 0.00	57.43 2.79 0.00	46.03 2.31 0.00	46.57 2.56 -1.76	46.03 2.87 -0.01	41.84 2.74 -0.73	39.68 2.42 -1.33	46.74 3.00 -0.31	44.20 2.71 -0.02	58.46 2.87 0.00	57.45 2.78 0.00	62.37 2.77 0.00	69.45 2.76 0.00	83.59 3.32 0.00	55.94 2.45 0.00	56.33 2.45 0.00	46.46 2.13 0.00	45.09 1.79 0.00
RAVENSWOOD_GT_6 24253	49.61 2.29 0.00	40.08 1.95 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.07 2.68 0.00	57.43 2.79 0.00	46.03 2.31 0.00	46.57 2.56 -1.76	46.03 2.87 -0.01	41.84 2.74 -0.73	39.68 2.42 -1.33	46.74 3.00 -0.31	44.20 2.71 -0.02	58.46 2.87 0.00	57.45 2.78 0.00	62.37 2.77 0.00	69.45 2.76 0.00	83.59 3.32 0.00	55.94 2.45 0.00	56.33 2.45 0.00	46.46 2.13 0.00	45.09 1.79 0.00
RAVENSWOOD_GT_7 24255	49.61 2.29 0.00	40.08 1.95 0.00	38.26 1.76 0.00	35.30 1.60 0.00	38.62 1.80 0.00	36.54 2.07 0.00	53.07 2.68 0.00	57.43 2.79 0.00	46.03 2.31 0.00	46.57 2.56 -1.76	46.03 2.87 -0.01	41.84 2.74 -0.73	39.68 2.42 -1.33	46.74 3.00 -0.31	44.20 2.71 -0.02	58.46 2.87 0.00	57.45 2.78 0.00	62.37 2.77 0.00	69.45 2.76 0.00	83.59 3.32 0.00	55.94 2.45 0.00	56.33 2.45 0.00	46.46 2.13 0.00	45.09 1.79 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	49.60 2.28 0.00	40.06 1.94 0.00	38.25 1.75 0.00	35.28 1.58 0.00	38.61 1.78 0.00	36.51 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.54 2.53 -1.76	46.02 2.86 -0.01	41.85 2.76 -0.73	39.70 2.44 -1.33	46.74 3.00 -0.31	44.19 2.70 -0.02	58.47 2.88 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.95 2.46 0.00	56.34 2.46 0.00	46.45 2.11 0.00	45.09 1.79 0.00
RAVENSWOOD_GT_9 24257	49.60 2.28 0.00	40.06 1.94 0.00	38.25 1.75 0.00	35.28 1.58 0.00	38.61 1.78 0.00	36.51 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.54 2.53 -1.76	46.02 2.86 -0.01	41.85 2.76 -0.73	39.70 2.44 -1.33	46.74 3.00 -0.31	44.19 2.70 -0.02	58.47 2.88 0.00	57.48 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.95 2.46 0.00	56.34 2.46 0.00	46.45 2.11 0.00	45.09 1.79 0.00

RAVENSWOOD___1 23533	49.65 2.33 0.00	40.14 2.00 0.00	38.31 1.81 0.00	35.34 1.64 0.00	38.67 1.85 0.00	36.59 2.11 0.00	53.11 2.71 0.00	57.46 2.83 0.00	46.09 2.38 0.00	46.63 2.62 -1.76	46.09 2.93 -0.01	41.85 2.76 -0.73	39.69 2.43 -1.33	46.78 3.04 -0.31	44.25 2.76 -0.02	58.48 2.89 0.00	57.45 2.77 0.00	62.35 2.75 0.00	69.41 2.72 0.00	83.57 3.30 0.00	55.96 2.47 0.00	56.36 2.48 0.00	46.53 2.19 0.00	45.13 1.83 0.00
RAVENSWOOD___2 23534	49.62 2.30 0.00	40.11 1.98 0.00	38.29 1.79 0.00	35.32 1.62 0.00	38.65 1.83 0.00	36.56 2.08 0.00	53.06 2.68 0.00	57.42 2.79 0.00	46.07 2.35 0.00	46.59 2.58 -1.76	46.05 2.89 -0.01	41.82 2.73 -0.73	39.67 2.40 -1.33	46.75 3.01 -0.31	44.22 2.73 -0.02	58.45 2.86 0.00	57.43 2.75 0.00	62.33 2.73 0.00	69.39 2.70 0.00	83.54 3.27 0.00	55.94 2.44 0.00	56.33 2.45 0.00	46.50 2.16 0.00	45.10 1.80 0.00
RAVENSWOOD___3 23535	49.60 2.28 0.00	40.07 1.94 0.00	38.25 1.75 0.00	35.28 1.59 0.00	38.61 1.79 0.00	36.52 2.04 0.00	53.08 2.69 0.00	57.42 2.78 0.00	46.01 2.29 0.00	46.55 2.53 -1.76	46.03 2.87 -0.01	41.85 2.76 -0.73	39.71 2.44 -1.33	46.74 3.01 -0.31	44.20 2.71 -0.02	58.46 2.87 0.00	57.47 2.80 0.00	62.39 2.79 0.00	69.48 2.79 0.00	83.61 3.34 0.00	55.94 2.45 0.00	56.35 2.47 0.00	46.46 2.12 0.00	45.09 1.79 0.00
RAVENSWOOD___4 23820	49.62 2.30 0.00	40.11 1.98 0.00	38.29 1.79 0.00	35.32 1.62 0.00	38.65 1.83 0.00	36.56 2.08 0.00	53.06 2.68 0.00	57.42 2.79 0.00	46.07 2.35 0.00	46.59 2.58 -1.76	46.05 2.89 -0.01	41.82 2.73 -0.73	39.67 2.40 -1.33	46.75 3.01 -0.31	44.22 2.73 -0.02	58.45 2.86 0.00	57.43 2.75 0.00	62.33 2.73 0.00	69.39 2.70 0.00	83.54 3.27 0.00	55.94 2.44 0.00	56.33 2.45 0.00	46.50 2.16 0.00	45.10 1.80 0.00
RCPL_TRUST___DRP 24196	49.63 2.31 0.00	40.08 1.95 0.00	38.26 1.75 0.00	35.30 1.60 0.00	38.62 1.79 0.00	36.53 2.06 0.00	53.10 2.71 0.00	57.46 2.83 0.00	46.03 2.32 0.00	45.90 2.57 -1.08	46.06 2.90 -0.01	41.61 2.80 -0.45	39.23 2.48 -0.82	46.66 3.04 -0.19	44.22 2.73 -0.01	58.50 2.91 0.00	57.52 2.85 0.00	62.43 2.83 0.00	69.52 2.83 0.00	83.64 3.37 0.00	55.95 2.46 0.00	56.35 2.47 0.00	46.45 2.11 0.00	45.09 1.79 0.00
RED___ROCHESTER 323720	45.67 -1.65 0.00	36.61 -1.52 0.00	35.04 -1.46 0.00	32.24 -1.46 0.00	35.54 -1.29 0.00	33.11 -1.37 0.00	48.51 -1.88 0.00	53.16 -1.47 0.00	43.07 -0.65 0.00	41.85 -0.40 0.00	42.56 -0.59 0.00	37.63 -0.73 0.00	34.92 -1.02 0.00	42.22 -1.21 0.00	40.23 -1.25 0.00	54.57 -1.02 0.00	54.29 -0.39 0.00	59.33 -0.27 0.00	66.59 -0.10 0.00	79.11 -1.16 0.00	52.45 -1.04 0.00	52.32 -1.56 0.00	42.81 -1.53 0.00	42.07 -1.23 0.00
REGAN___SOLAR 323812	48.66 1.34 0.00	39.24 1.11 0.00	37.55 1.05 0.00	34.65 0.95 0.00	37.92 1.09 0.00	35.61 1.13 0.00	52.19 1.81 0.00	56.43 1.80 0.00	44.37 0.66 0.00	42.10 -0.15 0.00	43.42 0.27 0.00	38.75 0.40 0.00	36.27 0.33 0.00	44.04 0.61 0.00	41.85 0.37 0.00	57.05 1.46 0.00	56.83 2.16 0.00	62.09 2.48 0.00	69.56 2.87 0.00	83.77 3.50 0.00	55.75 2.26 0.00	56.03 2.15 0.00	46.09 1.75 0.00	44.90 1.60 0.00
RENSSELAER___COGEN 23796	47.88 0.56 0.00	38.70 0.57 0.00	37.02 0.52 0.00	34.26 0.57 0.00	37.33 0.51 0.00	35.12 0.65 0.00	51.12 0.73 0.00	55.24 0.61 0.00	43.98 0.26 0.00	42.38 0.13 0.00	43.33 0.18 0.00	38.85 0.49 0.00	36.37 0.43 0.00	43.98 0.56 0.00	41.98 0.51 0.00	56.01 0.42 0.00	55.37 0.70 0.00	60.01 0.40 0.00	67.09 0.40 0.00	80.95 0.68 0.00	54.04 0.54 0.00	53.86 -0.02 0.00	44.21 -0.13 0.00	43.14 -0.16 0.00
REPUBLIC_115KV_BARTNBK 55605	51.80 4.48 0.00	41.79 3.66 0.00	39.71 3.20 0.00	36.86 3.17 0.00	40.07 3.25 0.00	38.26 3.79 0.00	55.52 5.13 0.00	59.83 5.20 0.00	47.23 3.51 0.00	44.94 2.69 0.00	46.34 3.19 0.00	42.05 3.69 0.00	39.07 3.14 0.00	47.82 4.40 0.00	45.53 4.06 0.00	61.67 6.08 0.00	61.96 7.29 0.00	66.31 6.71 0.00	74.30 7.61 0.00	90.32 10.05 0.00	60.72 7.22 0.00	59.61 5.73 0.00	48.88 4.54 0.00	48.05 4.75 0.00
REVERE_CPPR_DRP 24186	48.37 1.05 0.00	39.01 0.88 0.00	37.37 0.87 0.00	34.35 0.65 0.00	37.60 0.78 0.00	35.44 0.96 0.00	52.07 1.68 0.00	56.46 1.83 0.00	45.11 1.40 0.00	43.33 1.08 0.00	44.29 1.14 0.00	39.43 1.07 0.00	36.73 0.80 0.00	44.58 1.15 0.00	42.51 1.04 0.00	57.16 1.57 0.00	56.69 2.01 0.00	61.84 2.25 0.00	69.10 2.41 0.00	83.10 2.84 0.00	55.33 1.83 0.00	55.66 1.79 0.00	45.70 1.36 0.00	44.53 1.23 0.00
REYNLDPA_13_KV_LD 356490	48.60 1.28 0.00	39.05 0.92 0.00	37.43 0.93 0.00	34.50 0.80 0.00	37.72 0.89 0.00	34.92 0.44 0.00	51.30 0.91 0.00	55.73 1.10 0.00	44.71 1.00 0.00	43.19 0.94 0.00	43.95 0.80 0.00	38.86 0.50 0.00	36.47 0.53 0.00	43.99 0.56 0.00	42.18 0.71 0.00	56.79 1.20 0.00	55.36 0.68 0.00	60.63 1.03 0.00	67.92 1.23 0.00	81.71 1.45 0.00	54.27 0.77 0.00	55.18 1.30 0.00	45.59 1.25 0.00	44.61 1.31 0.00
REYNOLDS_115KV_TB3 80639	48.10 0.78 0.00	38.87 0.74 0.00	37.17 0.66 0.00	34.41 0.71 0.00	37.48 0.65 0.00	35.29 0.82 0.00	51.33 0.94 0.00	55.44 0.81 0.00	44.08 0.37 0.00	42.46 0.21 0.00	43.40 0.25 0.00	38.92 0.56 0.00	36.43 0.50 0.00	44.08 0.66 0.00	42.08 0.61 0.00	56.15 0.56 0.00	55.54 0.86 0.00	60.12 0.52 0.00	67.23 0.54 0.00	81.19 0.93 0.00	54.31 0.82 0.00	54.17 0.30 0.00	44.43 0.09 0.00	43.40 0.10 0.00
RIVERBAY____ 323610	50.41 3.10 0.00	40.76 2.63 0.00	38.91 2.41 0.00	35.89 2.19 0.00	39.32 2.49 0.00	37.20 2.73 0.00	54.06 3.67 0.00	58.64 4.01 0.00	46.98 3.26 0.00	47.29 3.28 -1.76	46.74 3.58 -0.01	42.34 3.25 -0.73	40.12 2.85 -1.33	47.32 3.59 -0.31	44.81 3.32 -0.02	59.43 3.84 0.00	58.45 3.78 0.00	63.50 3.90 0.00	70.71 4.02 0.00	85.09 4.82 0.00	56.97 3.47 0.00	57.29 3.41 0.00	47.28 2.94 0.00	45.84 2.54 0.00
RIVERSDE_115KV_TB3 55908	48.02 0.70 0.00	38.81 0.68 0.00	37.13 0.62 0.00	34.36 0.67 0.00	37.44 0.61 0.00	35.24 0.77 0.00	51.28 0.89 0.00	55.40 0.77 0.00	44.08 0.36 0.00	42.47 0.22 0.00	43.41 0.26 0.00	38.94 0.58 0.00	36.45 0.52 0.00	44.09 0.66 0.00	42.09 0.61 0.00	56.15 0.56 0.00	55.54 0.86 0.00	60.17 0.57 0.00	67.27 0.58 0.00	81.17 0.91 0.00	54.24 0.74 0.00	54.06 0.18 0.00	44.36 0.02 0.00	43.29 -0.01 0.00
ROARING___BROOK_WT_PWR 323790	47.04 -0.28 0.00	37.92 -0.22 0.00	36.41 -0.09 0.00	33.38 -0.32 0.00	36.48 -0.34 0.00	34.14 -0.33 0.00	50.04 -0.35 0.00	54.18 -0.45 0.00	43.47 -0.25 0.00	41.86 -0.38 0.00	42.53 -0.62 0.00	37.91 -0.45 0.00	35.58 -0.35 0.00	42.97 -0.46 0.00	41.17 -0.30 0.00	55.31 -0.28 0.00	54.26 -0.42 0.00	59.25 -0.36 0.00	66.20 -0.49 0.00	79.73 -0.54 0.00	53.11 -0.39 0.00	53.74 -0.13 0.00	44.43 0.10 0.00	43.48 0.17 0.00

ROCHESRG_115KV_T4 355643	45.23 -2.09 0.00	36.27 -1.86 0.00	34.73 -1.77 0.00	31.96 -1.73 0.00	35.23 -1.60 0.00	32.79 -1.69 0.00	47.99 -2.40 0.00	52.56 -2.07 0.00	42.58 -1.14 0.00	41.37 -0.88 0.00	42.06 -1.10 0.00	37.20 -1.16 0.00	34.53 -1.40 0.00	41.76 -1.67 0.00	39.78 -1.69 0.00	53.91 -1.68 0.00	53.60 -1.08 0.00	58.54 -1.07 0.00	65.70 -0.99 0.00	78.13 -2.14 0.00	51.79 -1.70 0.00	51.72 -2.16 0.00	42.35 -1.99 0.00	41.63 -1.67 0.00
ROCHESTER_9_IC 23652	45.48 -1.84 0.00	36.47 -1.67 0.00	34.91 -1.59 0.00	32.12 -1.58 0.00	35.41 -1.41 0.00	32.97 -1.50 0.00	48.29 -2.10 0.00	52.90 -1.74 0.00	42.85 -0.86 0.00	41.65 -0.60 0.00	42.34 -0.81 0.00	37.44 -0.92 0.00	34.75 -1.19 0.00	42.02 -1.41 0.00	40.03 -1.44 0.00	54.28 -1.31 0.00	53.97 -0.70 0.00	58.98 -0.62 0.00	66.19 -0.50 0.00	78.69 -1.58 0.00	52.15 -1.34 0.00	52.06 -1.82 0.00	42.60 -1.74 0.00	41.88 -1.42 0.00
ROCKVIEW_13_KV_LD 356306	49.51 2.19 0.00	39.97 1.84 0.00	38.16 1.66 0.00	35.20 1.51 0.00	38.51 1.69 0.00	36.41 1.93 0.00	52.96 2.57 0.00	57.29 2.65 0.00	45.87 2.16 0.00	44.62 2.41 0.03	45.89 2.74 0.00	41.00 2.66 0.01	38.26 2.35 0.02	46.32 2.90 0.00	44.08 2.61 0.00	58.42 2.84 0.00	57.49 2.82 0.00	62.42 2.82 0.00	69.57 2.88 0.00	83.73 3.47 0.00	55.97 2.47 0.00	56.34 2.46 0.00	46.44 2.10 0.00	45.09 1.79 0.00
ROME____115KV_TB2 80656	48.37 1.05 0.00	39.01 0.88 0.00	37.37 0.87 0.00	34.35 0.65 0.00	37.60 0.78 0.00	35.44 0.96 0.00	52.07 1.68 0.00	56.46 1.83 0.00	45.11 1.40 0.00	43.33 1.08 0.00	44.29 1.14 0.00	39.43 1.07 0.00	36.73 0.80 0.00	44.58 1.15 0.00	42.51 1.04 0.00	57.16 1.57 0.00	56.69 2.01 0.00	61.84 2.25 0.00	69.10 2.41 0.00	83.10 2.84 0.00	55.33 1.83 0.00	55.66 1.79 0.00	45.70 1.36 0.00	44.53 1.23 0.00
ROSETON___1 23587	48.87 1.55 0.00	39.48 1.35 0.00	37.70 1.19 0.00	34.79 1.10 0.00	38.05 1.22 0.00	35.92 1.44 0.00	52.19 1.80 0.00	56.46 1.83 0.00	45.19 1.47 0.00	43.92 1.67 0.00	45.08 1.93 0.00	40.27 1.91 0.00	37.62 1.69 0.00	45.53 2.10 0.00	43.33 1.86 0.00	57.52 1.93 0.00	56.60 1.93 0.00	61.45 1.85 0.00	68.55 1.86 0.00	82.55 2.29 0.00	55.19 1.70 0.00	55.56 1.68 0.00	45.76 1.42 0.00	44.49 1.19 0.00
ROSETON___2 23588	48.87 1.55 0.00	39.48 1.35 0.00	37.70 1.19 0.00	34.79 1.10 0.00	38.05 1.22 0.00	35.92 1.44 0.00	52.19 1.80 0.00	56.46 1.83 0.00	45.19 1.47 0.00	43.92 1.67 0.00	45.08 1.93 0.00	40.27 1.91 0.00	37.62 1.69 0.00	45.53 2.10 0.00	43.33 1.86 0.00	57.52 1.93 0.00	56.60 1.93 0.00	61.45 1.85 0.00	68.55 1.86 0.00	82.55 2.29 0.00	55.19 1.70 0.00	55.56 1.68 0.00	45.76 1.42 0.00	44.49 1.19 0.00
ROTRRDAM_115KV_TB3 80664	48.30 0.98 0.00	38.96 0.83 0.00	37.26 0.76 0.00	34.43 0.74 0.00	37.60 0.78 0.00	35.36 0.89 0.00	51.56 1.17 0.00	55.75 1.12 0.00	44.39 0.68 0.00	42.77 0.52 0.00	43.75 0.60 0.00	39.11 0.75 0.00	36.59 0.65 0.00	44.33 0.90 0.00	42.29 0.81 0.00	56.58 0.99 0.00	55.97 1.29 0.00	60.75 1.15 0.00	67.96 1.27 0.00	81.95 1.68 0.00	54.76 1.27 0.00	54.88 1.00 0.00	45.09 0.75 0.00	44.00 0.70 0.00
RUSSELL___1 23602	45.67 -1.65 0.00	36.61 -1.52 0.00	35.04 -1.46 0.00	32.24 -1.46 0.00	35.54 -1.29 0.00	33.10 -1.37 0.00	48.51 -1.88 0.00	53.16 -1.47 0.00	43.07 -0.65 0.00	41.85 -0.40 0.00	42.56 -0.59 0.00	37.63 -0.73 0.00	34.92 -1.01 0.00	42.22 -1.20 0.00	40.22 -1.25 0.00	54.58 -1.02 0.00	54.28 -0.40 0.00	59.32 -0.28 0.00	66.58 -0.11 0.00	79.13 -1.14 0.00	52.44 -1.05 0.00	52.33 -1.54 0.00	42.81 -1.53 0.00	42.07 -1.23 0.00
RUSSELL___2 23532	45.67 -1.65 0.00	36.61 -1.52 0.00	35.04 -1.46 0.00	32.24 -1.46 0.00	35.54 -1.29 0.00	33.10 -1.37 0.00	48.51 -1.88 0.00	53.16 -1.47 0.00	43.07 -0.65 0.00	41.85 -0.40 0.00	42.56 -0.59 0.00	37.63 -0.73 0.00	34.92 -1.01 0.00	42.22 -1.20 0.00	40.22 -1.25 0.00	54.58 -1.02 0.00	54.28 -0.40 0.00	59.32 -0.28 0.00	66.58 -0.11 0.00	79.13 -1.14 0.00	52.44 -1.05 0.00	52.33 -1.54 0.00	42.81 -1.53 0.00	42.07 -1.23 0.00
RUSSELL___3 23549	45.67 -1.65 0.00	36.61 -1.52 0.00	35.04 -1.46 0.00	32.24 -1.46 0.00	35.54 -1.29 0.00	33.10 -1.37 0.00	48.51 -1.88 0.00	53.16 -1.47 0.00	43.07 -0.65 0.00	41.85 -0.40 0.00	42.56 -0.59 0.00	37.63 -0.73 0.00	34.92 -1.01 0.00	42.22 -1.20 0.00	40.22 -1.25 0.00	54.58 -1.02 0.00	54.28 -0.40 0.00	59.32 -0.28 0.00	66.58 -0.11 0.00	79.13 -1.14 0.00	52.44 -1.05 0.00	52.33 -1.54 0.00	42.81 -1.53 0.00	42.07 -1.23 0.00
RUSSELL___4 23556	45.67 -1.65 0.00	36.61 -1.52 0.00	35.04 -1.46 0.00	32.24 -1.46 0.00	35.54 -1.29 0.00	33.10 -1.37 0.00	48.51 -1.88 0.00	53.16 -1.47 0.00	43.07 -0.65 0.00	41.85 -0.40 0.00	42.56 -0.59 0.00	37.63 -0.73 0.00	34.92 -1.01 0.00	42.22 -1.20 0.00	40.22 -1.25 0.00	54.58 -1.02 0.00	54.28 -0.40 0.00	59.32 -0.28 0.00	66.58 -0.11 0.00	79.13 -1.14 0.00	52.44 -1.05 0.00	52.33 -1.54 0.00	42.81 -1.53 0.00	42.07 -1.23 0.00
RUSSELL___STATION 23914	45.67 -1.65 0.00	36.61 -1.52 0.00	35.04 -1.46 0.00	32.24 -1.46 0.00	35.54 -1.29 0.00	33.10 -1.37 0.00	48.51 -1.88 0.00	53.16 -1.47 0.00	43.07 -0.65 0.00	41.85 -0.40 0.00	42.56 -0.59 0.00	37.63 -0.73 0.00	34.92 -1.01 0.00	42.22 -1.20 0.00	40.22 -1.25 0.00	54.58 -1.02 0.00	54.28 -0.40 0.00	59.32 -0.28 0.00	66.58 -0.11 0.00	79.13 -1.14 0.00	52.44 -1.05 0.00	52.33 -1.54 0.00	42.81 -1.53 0.00	42.07 -1.23 0.00
S SALMON___HYD 24043	46.12 -1.20 0.00	37.13 -1.00 0.00	35.61 -0.89 0.00	32.63 -1.06 0.00	35.70 -1.12 0.00	33.54 -0.94 0.00	49.18 -1.21 0.00	53.39 -1.25 0.00	42.89 -0.83 0.00	40.99 -1.26 0.00	41.92 -1.23 0.00	37.39 -0.97 0.00	34.83 -1.11 0.00	42.02 -1.41 0.00	40.20 -1.28 0.00	53.99 -1.61 0.00	53.59 -1.08 0.00	58.56 -1.04 0.00	65.58 -1.11 0.00	78.80 -1.46 0.00	52.62 -0.88 0.00	53.21 -0.66 0.00	43.81 -0.53 0.00	42.74 -0.56 0.00
S.PERRY___115KV_TB1 80734	45.81 -1.51 0.00	36.64 -1.49 0.00	35.09 -1.41 0.00	32.24 -1.46 0.00	35.64 -1.18 0.00	33.26 -1.21 0.00	49.03 -1.37 0.00	53.86 -0.77 0.00	43.42 -0.30 0.00	41.36 -0.89 0.00	42.33 -0.83 0.00	37.16 -1.20 0.00	34.54 -1.39 0.00	41.78 -1.65 0.00	39.55 -1.93 0.00	53.62 -1.97 0.00	53.48 -1.20 0.00	58.88 -0.72 0.00	66.24 -0.45 0.00	78.37 -1.90 0.00	51.89 -1.61 0.00	51.62 -2.26 0.00	43.14 -1.20 0.00	42.91 -0.39 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	43.91 -3.41 0.00	35.12 -3.02 0.00	33.64 -2.86 0.00	30.86 -2.84 0.00	34.19 -2.63 0.00	31.55 -2.92 0.00	46.05 -4.34 0.00	50.70 -3.93 0.00	41.42 -2.30 0.00	40.48 -1.77 0.00	40.97 -2.18 0.00	36.14 -2.22 0.00	33.44 -2.50 0.00	40.56 -2.87 0.00	38.55 -2.92 0.00	52.45 -3.14 0.00	52.36 -2.32 0.00	57.21 -2.39 0.00	64.43 -2.26 0.00	76.03 -4.24 0.00	50.26 -3.24 0.00	50.08 -3.79 0.00	41.02 -3.31 0.00	40.64 -2.66 0.00

SAWYER___23_KV_LOAD 55526	43.91 -3.41 0.00	35.12 -3.02 0.00	33.64 -2.86 0.00	30.86 -2.84 0.00	34.19 -2.63 0.00	31.55 -2.92 0.00	46.05 -4.34 0.00	50.70 -3.93 0.00	41.42 -2.30 0.00	40.48 -1.77 0.00	40.97 -2.18 0.00	36.14 -2.22 0.00	33.44 -2.50 0.00	40.56 -2.87 0.00	38.55 -2.92 0.00	52.45 -3.14 0.00	52.36 -2.32 0.00	57.21 -2.39 0.00	64.43 -2.26 0.00	76.03 -4.24 0.00	50.26 -3.24 0.00	50.08 -3.79 0.00	41.02 -3.31 0.00	40.64 -2.66 0.00
SELKIRK___I 23801	48.25 0.93 0.00	38.94 0.81 0.00	37.28 0.78 0.00	34.48 0.78 0.00	37.61 0.79 0.00	35.35 0.88 0.00	51.48 1.09 0.00	55.64 1.01 0.00	44.28 0.56 0.00	42.64 0.40 0.00	43.63 0.47 0.00	39.05 0.69 0.00	36.56 0.62 0.00	44.21 0.78 0.00	42.19 0.72 0.00	56.40 0.81 0.00	55.78 1.10 0.00	60.46 0.86 0.00	67.61 0.92 0.00	81.55 1.28 0.00	54.47 0.98 0.00	54.45 0.57 0.00	44.71 0.37 0.00	43.64 0.34 0.00
SELKIRK___II 23799	48.00 0.68 0.00	38.77 0.64 0.00	37.09 0.59 0.00	34.29 0.60 0.00	37.40 0.57 0.00	35.18 0.70 0.00	51.21 0.82 0.00	55.37 0.74 0.00	44.13 0.42 0.00	42.56 0.32 0.00	43.53 0.38 0.00	38.97 0.61 0.00	36.48 0.54 0.00	44.11 0.68 0.00	42.10 0.63 0.00	56.18 0.59 0.00	55.50 0.82 0.00	60.15 0.55 0.00	67.28 0.59 0.00	81.15 0.89 0.00	54.20 0.70 0.00	54.17 0.29 0.00	44.50 0.16 0.00	43.40 0.10 0.00
SENECA OSWGO___HYD 24041	45.70 -1.62 0.00	36.82 -1.31 0.00	35.23 -1.27 0.00	32.55 -1.14 0.00	35.58 -1.24 0.00	33.38 -1.09 0.00	48.82 -1.57 0.00	52.97 -1.66 0.00	42.47 -1.25 0.00	41.02 -1.23 0.00	41.88 -1.27 0.00	37.21 -1.15 0.00	34.79 -1.14 0.00	42.09 -1.34 0.00	40.06 -1.41 0.00	53.89 -1.70 0.00	53.28 -1.39 0.00	58.06 -1.54 0.00	64.97 -1.72 0.00	78.00 -2.26 0.00	51.99 -1.51 0.00	52.27 -1.61 0.00	42.96 -1.38 0.00	41.91 -1.39 0.00
SENECA___115KV_TB3 355854	44.14 -3.18 0.00	35.31 -2.82 0.00	33.83 -2.67 0.00	31.02 -2.68 0.00	34.36 -2.46 0.00	31.78 -2.70 0.00	46.48 -3.91 0.00	51.13 -3.50 0.00	41.71 -2.00 0.00	40.75 -1.51 0.00	41.27 -1.88 0.00	36.37 -1.98 0.00	33.65 -2.28 0.00	40.88 -2.55 0.00	38.87 -2.61 0.00	52.94 -2.65 0.00	52.89 -1.79 0.00	57.81 -1.79 0.00	65.11 -1.58 0.00	76.84 -3.43 0.00	50.77 -2.73 0.00	50.55 -3.32 0.00	41.43 -2.91 0.00	41.04 -2.26 0.00
SENECA___ENERGY 23797	45.96 -1.36 0.00	36.99 -1.14 0.00	35.44 -1.06 0.00	32.69 -1.00 0.00	35.87 -0.96 0.00	33.63 -0.85 0.00	49.26 -1.13 0.00	53.62 -1.02 0.00	43.12 -0.60 0.00	41.72 -0.52 0.00	42.57 -0.59 0.00	37.79 -0.57 0.00	35.03 -0.90 0.00	42.25 -1.18 0.00	40.47 -1.01 0.00	54.67 -0.93 0.00	54.32 -0.36 0.00	59.32 -0.28 0.00	66.45 -0.24 0.00	79.46 -0.81 0.00	52.84 -0.66 0.00	52.84 -1.03 0.00	43.28 -1.06 0.00	42.36 -0.94 0.00
SHOEMAKER___GT 23640	48.82 1.50 0.00	39.42 1.29 0.00	37.66 1.16 0.00	34.75 1.05 0.00	38.01 1.19 0.00	35.85 1.37 0.00	52.19 1.80 0.00	56.48 1.85 0.00	45.16 1.45 0.00	43.82 1.57 0.00	44.91 1.76 0.00	40.08 1.73 0.00	37.52 1.59 0.00	45.36 1.93 0.00	43.16 1.69 0.00	57.51 1.92 0.00	56.69 2.02 0.00	61.63 2.03 0.00	68.79 2.10 0.00	82.83 2.57 0.00	55.31 1.81 0.00	55.62 1.74 0.00	45.79 1.46 0.00	44.54 1.24 0.00
SHOEMAKR_138KV_BK 111 55601	48.80 1.48 0.00	39.40 1.27 0.00	37.64 1.14 0.00	34.74 1.04 0.00	37.99 1.17 0.00	35.84 1.36 0.00	52.16 1.77 0.00	56.46 1.83 0.00	45.14 1.43 0.00	43.81 1.56 0.00	44.92 1.77 0.00	40.09 1.73 0.00	37.51 1.58 0.00	45.36 1.93 0.00	43.18 1.70 0.00	57.48 1.89 0.00	56.64 1.97 0.00	61.59 1.99 0.00	68.73 2.04 0.00	82.75 2.49 0.00	55.26 1.77 0.00	55.58 1.71 0.00	45.77 1.43 0.00	44.51 1.21 0.00
SHOREHAM_IC_1 23715	48.27 0.95 0.00	39.31 1.17 0.00	37.47 0.97 0.00	34.61 0.92 0.00	37.84 1.01 0.00	35.97 1.50 0.00	50.44 0.82 0.78	4.58 0.32 50.37	-7.96 0.44 52.11	23.23 1.08 20.09	24.82 1.73 20.07	32.89 1.91 7.39	19.98 1.48 17.44	18.31 1.77 26.89	28.44 1.45 14.48	29.93 0.97 26.64	27.95 0.71 27.43	36.36 0.47 23.71	45.01 0.11 21.79	56.49 0.25 24.03	27.91 0.37 25.95	14.85 0.37 39.40	17.56 0.96 27.73	16.90 0.62 27.02
SHOREHAM_IC_2 23716	48.27 0.95 0.00	39.31 1.17 0.00	37.47 0.97 0.00	34.61 0.92 0.00	37.84 1.01 0.00	35.97 1.50 0.00	50.42 0.81 0.78	4.58 0.32 50.37	-7.96 0.44 52.11	23.23 1.07 20.09	24.81 1.73 20.07	32.89 1.92 7.39	19.98 1.49 17.44	18.29 1.76 26.89	28.45 1.46 14.48	29.96 1.01 26.64	28.01 0.77 27.43	36.37 0.48 23.71	45.01 0.11 21.79	56.48 0.25 24.03	27.91 0.37 25.95	14.84 0.36 39.40	17.56 0.96 27.73	16.91 0.63 27.02
SISSONVILLE____ 23735	49.12 1.81 0.00	39.43 1.30 0.00	37.82 1.32 0.00	34.73 1.03 0.00	37.97 1.15 0.00	35.15 0.68 0.00	51.82 1.43 0.00	56.35 1.72 0.00	45.25 1.54 0.00	43.50 1.25 0.00	44.18 1.02 0.00	38.99 0.63 0.00	36.52 0.59 0.00	44.05 0.62 0.00	42.35 0.88 0.00	56.80 1.20 0.00	55.25 0.57 0.00	60.52 0.92 0.00	67.88 1.18 0.00	81.95 1.68 0.00	54.45 0.96 0.00	55.70 1.82 0.00	46.21 1.88 0.00	45.20 1.90 0.00
SITHE_IND_GS1 24169	45.26 -2.06 0.00	36.49 -1.64 0.00	34.93 -1.57 0.00	32.28 -1.42 0.00	35.26 -1.56 0.00	33.05 -1.42 0.00	48.27 -2.12 0.00	52.39 -2.24 0.00	42.00 -1.72 0.00	40.59 -1.66 0.00	41.47 -1.68 0.00	36.86 -1.49 0.00	34.47 -1.47 0.00	41.64 -1.79 0.00	39.74 -1.73 0.00	53.34 -2.25 0.00	52.68 -1.99 0.00	57.40 -2.21 0.00	64.23 -2.46 0.00	77.13 -3.14 0.00	51.42 -2.08 0.00	51.68 -2.20 0.00	42.48 -1.86 0.00	41.51 -1.79 0.00
SITHE_IND_GS2 24170	45.26 -2.06 0.00	36.49 -1.64 0.00	34.93 -1.57 0.00	32.28 -1.42 0.00	35.26 -1.56 0.00	33.05 -1.42 0.00	48.27 -2.12 0.00	52.39 -2.24 0.00	42.00 -1.72 0.00	40.59 -1.66 0.00	41.47 -1.68 0.00	36.86 -1.49 0.00	34.47 -1.47 0.00	41.64 -1.79 0.00	39.74 -1.73 0.00	53.34 -2.25 0.00	52.68 -1.99 0.00	57.40 -2.21 0.00	64.23 -2.46 0.00	77.13 -3.14 0.00	51.42 -2.08 0.00	51.68 -2.20 0.00	42.48 -1.86 0.00	41.51 -1.79 0.00
SITHE_IND_GS3 24171	45.26 -2.06 0.00	36.49 -1.64 0.00	34.93 -1.57 0.00	32.28 -1.42 0.00	35.26 -1.56 0.00	33.05 -1.42 0.00	48.27 -2.12 0.00	52.39 -2.24 0.00	42.00 -1.72 0.00	40.59 -1.66 0.00	41.47 -1.68 0.00	36.86 -1.49 0.00	34.47 -1.47 0.00	41.64 -1.79 0.00	39.74 -1.73 0.00	53.34 -2.25 0.00	52.68 -1.99 0.00	57.40 -2.21 0.00	64.23 -2.46 0.00	77.13 -3.14 0.00	51.42 -2.08 0.00	51.68 -2.20 0.00	42.48 -1.86 0.00	41.51 -1.79 0.00
SITHE_IND_GS4 24172	45.26 -2.06 0.00	36.49 -1.64 0.00	34.93 -1.57 0.00	32.28 -1.42 0.00	35.26 -1.56 0.00	33.05 -1.42 0.00	48.27 -2.12 0.00	52.39 -2.24 0.00	42.00 -1.72 0.00	40.59 -1.66 0.00	41.47 -1.68 0.00	36.86 -1.49 0.00	34.47 -1.47 0.00	41.64 -1.79 0.00	39.74 -1.73 0.00	53.34 -2.25 0.00	52.68 -1.99 0.00	57.40 -2.21 0.00	64.23 -2.46 0.00	77.13 -3.14 0.00	51.42 -2.08 0.00	51.68 -2.20 0.00	42.48 -1.86 0.00	41.51 -1.79 0.00

SITHE___BATAVIA 24024	45.52 -1.80 0.00	36.41 -1.72 0.00	34.87 -1.64 0.00	32.01 -1.69 0.00	35.46 -1.37 0.00	32.77 -1.71 0.00	47.95 -2.44 0.00	52.79 -1.84 0.00	42.88 -0.84 0.00	41.55 -0.70 0.00	42.14 -1.01 0.00	37.23 -1.13 0.00	34.46 -1.47 0.00	41.62 -1.81 0.00	39.68 -1.79 0.00	54.25 -1.34 0.00	54.21 -0.46 0.00	59.41 -0.19 0.00	66.80 0.11 0.00	78.95 -1.31 0.00	52.22 -1.27 0.00	51.94 -1.94 0.00	42.49 -1.85 0.00	42.01 -1.29 0.00
SITHE___INDEPEND 23800	45.26 -2.06 0.00	36.49 -1.64 0.00	34.93 -1.57 0.00	32.28 -1.42 0.00	35.27 -1.56 0.00	33.05 -1.42 0.00	48.27 -2.12 0.00	52.40 -2.24 0.00	42.00 -1.72 0.00	40.59 -1.66 0.00	41.47 -1.68 0.00	36.86 -1.50 0.00	34.47 -1.47 0.00	41.64 -1.79 0.00	39.74 -1.73 0.00	53.34 -2.25 0.00	52.68 -2.00 0.00	57.39 -2.21 0.00	64.23 -2.46 0.00	77.13 -3.14 0.00	51.42 -2.08 0.00	51.68 -2.19 0.00	42.48 -1.86 0.00	41.51 -1.79 0.00
SITHE___MASSENA 23902	48.83 1.51 0.00	39.22 1.09 0.00	37.60 1.10 0.00	34.64 0.94 0.00	37.86 1.04 0.00	35.06 0.58 0.00	51.54 1.15 0.00	56.00 1.37 0.00	44.93 1.22 0.00	43.36 1.11 0.00	44.10 0.95 0.00	38.97 0.61 0.00	36.57 0.64 0.00	44.11 0.69 0.00	42.33 0.85 0.00	56.92 1.33 0.00	55.50 0.82 0.00	60.81 1.21 0.00	68.13 1.43 0.00	82.01 1.75 0.00	54.50 1.00 0.00	55.43 1.55 0.00	45.82 1.48 0.00	44.83 1.53 0.00
SITHE___OGDNSBRG 24021	49.82 2.50 0.00	39.97 1.84 0.00	38.34 1.84 0.00	35.26 1.57 0.00	38.59 1.77 0.00	35.71 1.23 0.00	52.65 2.25 0.00	57.24 2.61 0.00	45.91 2.19 0.00	44.13 1.88 0.00	44.74 1.58 0.00	39.30 0.94 0.00	36.83 0.90 0.00	44.51 1.08 0.00	42.81 1.34 0.00	57.43 1.84 0.00	56.32 1.65 0.00	62.02 2.42 0.00	69.53 2.84 0.00	83.71 3.44 0.00	55.57 2.08 0.00	56.64 2.76 0.00	46.84 2.50 0.00	45.78 2.48 0.00
SITHE___STERLING 23777	47.95 0.63 0.00	38.71 0.58 0.00	37.07 0.57 0.00	34.17 0.47 0.00	37.39 0.57 0.00	35.19 0.72 0.00	51.63 1.24 0.00	56.00 1.37 0.00	44.73 1.02 0.00	43.06 0.81 0.00	44.04 0.88 0.00	39.15 0.80 0.00	36.51 0.58 0.00	44.22 0.79 0.00	42.13 0.66 0.00	56.64 1.05 0.00	56.17 1.50 0.00	61.22 1.62 0.00	68.44 1.75 0.00	82.25 1.99 0.00	54.78 1.28 0.00	55.04 1.16 0.00	45.19 0.86 0.00	44.06 0.76 0.00
SLEIGHT__34_KV_TB1 80719	45.42 -1.90 0.00	36.47 -1.66 0.00	34.94 -1.56 0.00	32.22 -1.48 0.00	35.41 -1.41 0.00	33.12 -1.36 0.00	48.56 -1.83 0.00	52.98 -1.66 0.00	42.75 -0.96 0.00	41.42 -0.82 0.00	42.21 -0.94 0.00	37.38 -0.97 0.00	34.75 -1.19 0.00	41.92 -1.51 0.00	40.01 -1.46 0.00	54.17 -1.42 0.00	53.89 -0.78 0.00	58.87 -0.73 0.00	65.98 -0.72 0.00	78.68 -1.59 0.00	52.20 -1.30 0.00	52.15 -1.73 0.00	42.68 -1.66 0.00	41.85 -1.45 0.00
SMITHTWN_69_KV_BK 1 55830	48.98 1.66 0.00	39.69 1.56 0.00	37.84 1.34 0.00	34.94 1.24 0.00	38.19 1.37 0.00	36.25 1.78 0.00	51.17 1.55 0.77	47.11 1.55 9.07	49.00 1.33 -3.96	46.60 1.77 -2.58	49.80 2.50 -4.15	42.33 2.49 -1.47	41.47 2.03 -3.51	51.39 2.43 -5.53	46.10 2.07 -2.56	55.88 1.94 1.66	52.19 1.98 4.46	58.15 1.85 3.30	70.92 1.68 -2.54	87.34 2.10 -4.97	60.46 1.60 -5.36	58.12 1.61 -2.64	52.01 1.94 -5.73	50.40 1.51 -5.58
SOUTH CAIRO___GT 23612	49.23 1.91 0.00	39.67 1.54 0.00	37.99 1.49 0.00	35.15 1.45 0.00	38.34 1.51 0.00	36.13 1.66 0.00	52.84 2.45 0.00	57.29 2.66 0.00	45.53 1.82 0.00	43.18 0.93 0.00	44.04 0.88 0.00	39.74 1.38 0.00	37.27 1.34 0.00	45.10 1.68 0.00	43.06 1.59 0.00	57.74 2.15 0.00	57.56 2.88 0.00	62.77 3.17 0.00	70.24 3.54 0.00	84.67 4.40 0.00	56.45 2.95 0.00	56.13 2.25 0.00	45.91 1.58 0.00	44.72 1.42 0.00
SOUTH HAMPTN___IC 23720	48.08 0.76 0.00	39.11 0.98 0.00	37.29 0.79 0.00	34.46 0.76 0.00	37.67 0.84 0.00	35.84 1.37 0.00	50.34 0.72 0.78	-35.80 0.57 91.01	-62.84 0.82 107.37	0.78 0.99 42.45	0.81 1.62 43.95	24.10 1.87 16.13	-0.75 1.41 38.10	-13.72 1.72 58.87	11.56 1.37 31.29	5.33 0.96 51.23	5.51 0.87 50.03	16.47 0.66 43.79	21.25 0.33 45.77	28.25 0.62 52.64	-2.76 0.58 56.83	-26.35 0.59 80.83	-15.37 1.03 60.74	-15.23 0.64 59.17
SOUTHDOWN_115KV_TB1 355954	44.41 -2.91 0.00	35.58 -2.55 0.00	34.14 -2.36 0.00	31.40 -2.30 0.00	34.87 -1.95 0.00	32.40 -2.08 0.00	47.75 -2.64 0.00	52.74 -1.90 0.00	42.89 -0.82 0.00	41.80 -0.45 0.00	42.55 -0.60 0.00	37.49 -0.87 0.00	34.90 -1.03 0.00	42.21 -1.22 0.00	40.05 -1.43 0.00	54.30 -1.29 0.00	54.40 -0.28 0.00	59.61 0.00 0.00	67.01 0.32 0.00	79.01 -1.26 0.00	52.23 -1.26 0.00	52.18 -1.70 0.00	42.63 -1.71 0.00	42.05 -1.26 0.00
SOUTHOLD_69_KV_BK 2 55809	47.47 0.15 0.00	38.59 0.46 0.00	36.81 0.30 0.00	34.00 0.30 0.00	37.19 0.36 0.00	35.42 0.94 0.00	49.77 0.15 0.78	-37.23 0.30 92.17	-64.40 0.84 108.96	-0.35 0.49 43.09	-0.35 1.13 44.64	23.43 1.45 16.38	-1.74 1.02 38.69	-15.11 1.25 59.79	10.61 0.91 31.77	4.12 0.46 51.93	4.44 0.44 50.67	15.43 0.19 44.36	20.03 -0.20 46.46	26.96 0.16 53.46	-4.00 0.23 57.72	-27.88 0.25 82.01	-16.68 0.66 61.69	-16.55 0.24 60.09
SOUTHOLD___IC 23719	47.47 0.15 0.00	38.59 0.46 0.00	36.80 0.30 0.00	34.00 0.30 0.00	37.19 0.36 0.00	35.42 0.94 0.00	49.77 0.15 0.78	-37.23 0.30 92.17	-64.40 0.84 108.96	-0.33 0.51 43.09	-0.35 1.14 44.64	23.43 1.45 16.38	-1.74 1.02 38.69	-15.09 1.26 59.79	10.61 0.90 31.77	4.07 0.41 51.93	4.40 0.40 50.67	15.40 0.17 44.36	20.04 -0.19 46.46	26.96 0.16 53.46	-4.00 0.23 57.72	-27.89 0.25 82.01	-16.68 0.67 61.69	-16.56 0.23 60.09
SOUTH_FORK_WT_PWR 323839	46.67 -0.65 0.00	37.93 -0.20 0.00	36.18 -0.32 0.00	33.43 -0.27 0.00	36.55 -0.27 0.00	34.84 0.36 0.00	48.91 -0.71 0.78	-37.29 -0.38 91.54	-63.86 0.53 108.10	-0.71 -0.21 42.75	-0.72 0.39 44.27	22.89 0.77 16.24	-2.02 0.42 38.37	-15.31 0.56 59.30	10.18 0.21 31.51	3.56 -0.48 51.55	3.84 -0.50 50.33	14.68 -0.87 44.05	19.26 -1.35 46.09	26.19 -1.06 53.02	-4.33 -0.59 57.24	-28.00 -0.50 81.37	-16.87 -0.03 61.18	-16.75 -0.45 59.60
SPIERFLS_115KV_TB 1 80737	48.90 1.58 0.00	39.46 1.33 0.00	37.67 1.17 0.00	34.86 1.17 0.00	38.01 1.19 0.00	35.94 1.47 0.00	52.32 1.93 0.00	56.52 1.89 0.00	44.74 1.03 0.00	42.90 0.65 0.00	43.93 0.78 0.00	39.53 1.17 0.00	36.92 0.98 0.00	44.84 1.41 0.00	42.80 1.32 0.00	57.34 1.75 0.00	57.00 2.33 0.00	61.69 2.09 0.00	69.04 2.35 0.00	83.44 3.18 0.00	55.94 2.44 0.00	55.63 1.75 0.00	45.68 1.34 0.00	44.67 1.37 0.00
ST LAWRENCE____ 23600	47.99 0.67 0.00	38.56 0.43 0.00	36.96 0.46 0.00	34.07 0.38 0.00	37.26 0.43 0.00	34.52 0.05 0.00	50.69 0.30 0.00	55.06 0.43 0.00	44.15 0.44 0.00	42.64 0.40 0.00	43.44 0.28 0.00	38.40 0.05 0.00	36.06 0.12 0.00	43.49 0.07 0.00	41.68 0.21 0.00	56.08 0.49 0.00	54.68 0.00 0.00	59.90 0.30 0.00	67.09 0.40 0.00	80.77 0.51 0.00	53.69 0.19 0.00	54.52 0.64 0.00	45.02 0.69 0.00	44.05 0.75 0.00

STATE_CA_115KV_115_LB 55624	48.14 0.82 0.00	38.91 0.77 0.00	37.22 0.71 0.00	34.45 0.75 0.00	37.52 0.69 0.00	35.32 0.84 0.00	51.42 1.03 0.00	55.56 0.93 0.00	44.22 0.50 0.00	42.63 0.38 0.00	43.57 0.42 0.00	39.09 0.73 0.00	36.60 0.66 0.00	44.27 0.84 0.00	42.25 0.77 0.00	56.39 0.80 0.00	55.79 1.11 0.00	60.44 0.83 0.00	67.56 0.86 0.00	81.49 1.23 0.00	54.37 0.87 0.00	54.14 0.26 0.00	44.41 0.07 0.00	43.34 0.04 0.00
STATE_ST_34_KV_LOAD 55959	46.47 -0.84 0.00	37.44 -0.69 0.00	35.96 -0.54 0.00	33.19 -0.51 0.00	36.38 -0.45 0.00	34.13 -0.35 0.00	49.99 -0.41 0.00	54.10 -0.53 0.00	43.46 -0.26 0.00	41.88 -0.37 0.00	42.89 -0.26 0.00	38.10 -0.26 0.00	35.50 -0.43 0.00	42.76 -0.66 0.00	40.87 -0.60 0.00	55.16 -0.42 0.00	54.72 0.05 0.00	59.73 0.12 0.00	66.86 0.16 0.00	80.14 -0.13 0.00	53.36 -0.14 0.00	53.37 -0.51 0.00	43.76 -0.58 0.00	42.87 -0.43 0.00
STATION_5_MISC_HYD 23604	45.48 -1.84 0.00	36.46 -1.67 0.00	34.91 -1.59 0.00	32.12 -1.58 0.00	35.41 -1.41 0.00	32.97 -1.50 0.00	48.28 -2.11 0.00	52.89 -1.74 0.00	42.85 -0.86 0.00	41.64 -0.61 0.00	42.34 -0.81 0.00	37.44 -0.92 0.00	34.75 -1.19 0.00	42.01 -1.42 0.00	40.04 -1.43 0.00	54.28 -1.31 0.00	53.99 -0.69 0.00	58.98 -0.62 0.00	66.19 -0.50 0.00	78.67 -1.60 0.00	52.15 -1.34 0.00	52.05 -1.83 0.00	42.59 -1.74 0.00	41.88 -1.42 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	45.70 -1.62 0.00	36.70 -1.43 0.00	35.15 -1.36 0.00	32.39 -1.31 0.00	35.61 -1.21 0.00	33.28 -1.20 0.00	48.76 -1.62 0.00	53.27 -1.36 0.00	42.99 -0.72 0.00	41.71 -0.54 0.00	42.43 -0.72 0.00	37.57 -0.79 0.00	34.92 -1.01 0.00	42.20 -1.22 0.00	40.26 -1.21 0.00	54.47 -1.12 0.00	54.16 -0.52 0.00	59.15 -0.45 0.00	66.31 -0.37 0.00	79.05 -1.22 0.00	52.46 -1.03 0.00	52.44 -1.44 0.00	42.93 -1.41 0.00	42.09 -1.21 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	45.26 -2.06 0.00	36.31 -1.82 0.00	34.76 -1.75 0.00	31.99 -1.71 0.00	35.24 -1.59 0.00	32.84 -1.63 0.00	48.08 -2.31 0.00	52.64 -2.00 0.00	42.61 -1.11 0.00	41.41 -0.85 0.00	42.07 -1.08 0.00	37.22 -1.13 0.00	34.56 -1.37 0.00	41.80 -1.63 0.00	39.83 -1.65 0.00	53.95 -1.64 0.00	53.63 -1.04 0.00	58.58 -1.02 0.00	65.75 -0.95 0.00	78.19 -2.08 0.00	51.86 -1.64 0.00	51.78 -2.10 0.00	42.39 -1.95 0.00	41.63 -1.67 0.00
STA_56___34_KV_BUS2 355983	45.26 -2.06 0.00	36.31 -1.82 0.00	34.76 -1.75 0.00	31.99 -1.71 0.00	35.24 -1.59 0.00	32.84 -1.63 0.00	48.08 -2.31 0.00	52.64 -2.00 0.00	42.61 -1.11 0.00	41.41 -0.85 0.00	42.07 -1.08 0.00	37.22 -1.13 0.00	34.56 -1.37 0.00	41.80 -1.63 0.00	39.83 -1.65 0.00	53.95 -1.64 0.00	53.63 -1.04 0.00	58.58 -1.02 0.00	65.75 -0.95 0.00	78.19 -2.08 0.00	51.86 -1.64 0.00	51.78 -2.10 0.00	42.39 -1.95 0.00	41.63 -1.67 0.00
STA_67___115KV_BK2 355882	45.39 -1.94 0.00	36.39 -1.74 0.00	34.84 -1.66 0.00	32.06 -1.64 0.00	35.34 -1.48 0.00	32.90 -1.57 0.00	48.18 -2.21 0.00	52.78 -1.85 0.00	42.76 -0.96 0.00	41.55 -0.70 0.00	42.23 -0.92 0.00	37.35 -1.01 0.00	34.67 -1.27 0.00	41.92 -1.51 0.00	39.94 -1.53 0.00	54.13 -1.46 0.00	53.83 -0.84 0.00	58.81 -0.79 0.00	66.02 -0.67 0.00	78.46 -1.80 0.00	52.02 -1.48 0.00	51.93 -1.95 0.00	42.50 -1.84 0.00	41.79 -1.51 0.00
STA_7___115KV_9TRANS 80674	45.67 -1.65 0.00	36.61 -1.52 0.00	35.04 -1.46 0.00	32.24 -1.46 0.00	35.54 -1.29 0.00	33.10 -1.37 0.00	48.51 -1.88 0.00	53.16 -1.47 0.00	43.07 -0.65 0.00	41.85 -0.40 0.00	42.56 -0.59 0.00	37.63 -0.73 0.00	34.92 -1.01 0.00	42.22 -1.20 0.00	40.22 -1.25 0.00	54.58 -1.02 0.00	54.28 -0.40 0.00	59.32 -0.28 0.00	66.58 -0.11 0.00	79.13 -1.14 0.00	52.44 -1.05 0.00	52.33 -1.54 0.00	42.81 -1.53 0.00	42.07 -1.23 0.00
STA_82___115KV_TB1 80780	45.41 -1.91 0.00	36.41 -1.72 0.00	34.86 -1.64 0.00	32.07 -1.62 0.00	35.35 -1.48 0.00	32.92 -1.55 0.00	48.19 -2.20 0.00	52.81 -1.82 0.00	42.77 -0.94 0.00	41.56 -0.69 0.00	42.25 -0.90 0.00	37.36 -1.00 0.00	34.68 -1.26 0.00	41.93 -1.49 0.00	39.95 -1.53 0.00	54.16 -1.43 0.00	53.86 -0.81 0.00	58.86 -0.74 0.00	66.07 -0.62 0.00	78.53 -1.74 0.00	52.05 -1.45 0.00	51.96 -1.92 0.00	42.53 -1.81 0.00	41.81 -1.49 0.00
STEEL___WIND 323596	44.05 -3.27 0.00	35.25 -2.89 0.00	33.76 -2.74 0.00	30.96 -2.74 0.00	34.27 -2.55 0.00	31.71 -2.76 0.00	46.38 -4.01 0.00	51.03 -3.61 0.00	41.63 -2.08 0.00	40.68 -1.57 0.00	41.21 -1.95 0.00	36.33 -2.03 0.00	33.60 -2.34 0.00	40.80 -2.62 0.00	38.81 -2.67 0.00	52.86 -2.73 0.00	52.78 -1.90 0.00	57.70 -1.90 0.00	65.04 -1.65 0.00	76.76 -3.51 0.00	50.71 -2.79 0.00	50.50 -3.38 0.00	41.39 -2.95 0.00	41.00 -2.30 0.00
STEPHTWN_115KV_BK_2 55603	48.38 1.06 0.00	39.03 0.90 0.00	37.36 0.86 0.00	34.53 0.83 0.00	37.68 0.86 0.00	35.49 1.01 0.00	51.81 1.42 0.00	55.95 1.32 0.00	44.48 0.77 0.00	42.88 0.63 0.00	43.93 0.78 0.00	39.29 0.93 0.00	36.78 0.84 0.00	44.52 1.09 0.00	42.53 1.05 0.00	56.87 1.28 0.00	56.28 1.60 0.00	60.96 1.36 0.00	68.22 1.52 0.00	82.20 1.93 0.00	54.74 1.24 0.00	54.61 0.73 0.00	44.79 0.45 0.00	43.74 0.44 0.00
STEBEN_REC_LFGE 323667	43.01 -4.31 0.00	34.52 -3.61 0.00	33.04 -3.46 0.00	30.35 -3.35 0.00	33.59 -3.23 0.00	31.35 -3.12 0.00	46.37 -4.02 0.00	51.06 -3.57 0.00	40.95 -2.76 0.00	39.50 -2.75 0.00	40.11 -3.04 0.00	35.57 -2.79 0.00	32.88 -3.06 0.00	40.16 -3.27 0.00	38.26 -3.22 0.00	52.70 -2.90 0.00	53.32 -1.35 0.00	58.88 -0.72 0.00	66.43 -0.26 0.00	78.26 -2.01 0.00	51.53 -1.96 0.00	51.21 -2.67 0.00	42.12 -2.22 0.00	41.83 -1.47 0.00
STILLWATER___SOLAR 323814	49.01 1.69 0.00	39.55 1.42 0.00	37.80 1.29 0.00	34.95 1.26 0.00	38.14 1.31 0.00	35.97 1.49 0.00	52.39 2.00 0.00	56.58 1.95 0.00	44.83 1.11 0.00	43.00 0.75 0.00	43.98 0.83 0.00	39.51 1.15 0.00	36.90 0.96 0.00	44.82 1.39 0.00	42.80 1.33 0.00	57.31 1.72 0.00	56.91 2.24 0.00	61.66 2.06 0.00	68.99 2.30 0.00	83.31 3.04 0.00	55.75 2.26 0.00	55.63 1.75 0.00	45.61 1.28 0.00	44.58 1.28 0.00
STONY___BROOK 24151	48.90 1.58 0.00	39.63 1.50 0.00	37.80 1.30 0.00	34.90 1.20 0.00	38.15 1.33 0.00	36.22 1.74 0.00	51.10 1.49 0.77	44.89 1.44 11.19	46.11 1.25 -1.14	45.41 1.72 -1.44	48.51 2.42 -2.94	41.81 2.42 -1.03	40.36 1.96 -2.46	49.70 2.36 -3.91	45.16 1.98 -1.70	54.45 1.78 2.92	50.86 1.82 5.63	56.96 1.70 4.34	69.53 1.52 -1.32	85.70 1.91 -3.52	58.75 1.46 -3.80	55.87 1.46 -0.53	50.19 1.79 -4.07	48.64 1.39 -3.96
STURGEON_POOL_HYD 23609	49.04 1.72 0.00	39.60 1.46 0.00	37.81 1.31 0.00	34.90 1.20 0.00	38.17 1.35 0.00	36.03 1.56 0.00	52.43 2.04 0.00	56.75 2.12 0.00	45.42 1.70 0.00	44.09 1.84 0.00	45.25 2.10 0.00	40.46 2.10 0.00	37.80 1.86 0.00	45.76 2.33 0.00	43.56 2.08 0.00	57.86 2.27 0.00	56.95 2.27 0.00	61.86 2.26 0.00	69.03 2.34 0.00	83.14 2.88 0.00	55.56 2.06 0.00	55.93 2.05 0.00	46.04 1.71 0.00	44.72 1.42 0.00

ST_LAW_115_BK7_LBMP 345037	48.08 0.76 0.00	38.64 0.50 0.00	37.03 0.53 0.00	34.13 0.44 0.00	37.31 0.49 0.00	34.57 0.09 0.00	50.77 0.37 0.00	55.15 0.52 0.00	44.24 0.53 0.00	42.72 0.46 0.00	43.49 0.34 0.00	38.44 0.08 0.00	36.09 0.15 0.00	43.54 0.11 0.00	41.73 0.25 0.00	56.16 0.57 0.00	54.72 0.05 0.00	59.96 0.36 0.00	67.16 0.47 0.00	80.85 0.59 0.00	53.74 0.24 0.00	54.61 0.73 0.00	45.11 0.77 0.00	44.14 0.84 0.00
ST_LAW_115_BK8_LBMP 345038	48.08 0.76 0.00	38.64 0.50 0.00	37.03 0.53 0.00	34.13 0.44 0.00	37.31 0.49 0.00	34.57 0.09 0.00	50.77 0.37 0.00	55.15 0.52 0.00	44.24 0.53 0.00	42.72 0.46 0.00	43.49 0.34 0.00	38.44 0.08 0.00	36.09 0.15 0.00	43.54 0.11 0.00	41.73 0.25 0.00	56.16 0.57 0.00	54.72 0.05 0.00	59.96 0.36 0.00	67.16 0.47 0.00	80.85 0.59 0.00	53.74 0.24 0.00	54.61 0.73 0.00	45.11 0.77 0.00	44.14 0.84 0.00
ST_LAW_230_BK5_LBMP 345035	47.99 0.67 0.00	38.56 0.43 0.00	36.96 0.46 0.00	34.07 0.38 0.00	37.26 0.43 0.00	34.52 0.05 0.00	50.69 0.30 0.00	55.06 0.43 0.00	44.15 0.44 0.00	42.64 0.40 0.00	43.44 0.28 0.00	38.40 0.05 0.00	36.06 0.12 0.00	43.49 0.07 0.00	41.68 0.21 0.00	56.08 0.49 0.00	54.68 0.00 0.00	59.90 0.30 0.00	67.09 0.40 0.00	80.77 0.51 0.00	53.69 0.19 0.00	54.52 0.64 0.00	45.02 0.69 0.00	44.05 0.75 0.00
ST_LAW_230_BK6_LBMP 345036	47.99 0.67 0.00	38.56 0.43 0.00	36.96 0.46 0.00	34.07 0.38 0.00	37.26 0.43 0.00	34.52 0.05 0.00	50.69 0.30 0.00	55.06 0.43 0.00	44.15 0.44 0.00	42.64 0.40 0.00	43.44 0.28 0.00	38.40 0.05 0.00	36.06 0.12 0.00	43.49 0.07 0.00	41.68 0.21 0.00	56.08 0.49 0.00	54.68 0.00 0.00	59.90 0.30 0.00	67.09 0.40 0.00	80.77 0.51 0.00	53.69 0.19 0.00	54.52 0.64 0.00	45.02 0.69 0.00	44.05 0.75 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	48.93 1.61 0.00	39.54 1.40 0.00	37.77 1.27 0.00	34.85 1.15 0.00	38.11 1.29 0.00	35.99 1.51 0.00	52.33 1.95 0.00	56.62 1.99 0.00	45.29 1.57 0.00	44.00 1.75 0.00	45.16 2.01 0.00	40.32 1.96 0.00	37.69 1.75 0.00	45.60 2.17 0.00	43.42 1.94 0.00	57.68 2.09 0.00	56.82 2.15 0.00	61.76 2.16 0.00	68.88 2.19 0.00	82.93 2.66 0.00	55.38 1.88 0.00	55.72 1.85 0.00	45.90 1.56 0.00	44.61 1.31 0.00
SWANROAD_115KV_TB1 355699	43.63 -3.69 0.00	34.88 -3.25 0.00	33.41 -3.10 0.00	30.63 -3.07 0.00	33.97 -2.86 0.00	31.03 -3.44 0.00	45.11 -5.28 0.00	49.72 -4.91 0.00	40.70 -3.01 0.00	39.84 -2.41 0.00	40.23 -2.92 0.00	35.50 -2.86 0.00	32.85 -3.08 0.00	39.78 -3.65 0.00	37.84 -3.63 0.00	51.50 -4.09 0.00	51.38 -3.29 0.00	56.12 -3.49 0.00	63.17 -3.52 0.00	74.50 -5.77 0.00	49.29 -4.21 0.00	49.12 -4.75 0.00	40.24 -4.10 0.00	40.11 -3.19 0.00
SYNERGY___BIOGAS 323694	45.52 -1.80 0.00	36.41 -1.72 0.00	34.87 -1.64 0.00	32.01 -1.69 0.00	35.46 -1.37 0.00	32.77 -1.71 0.00	47.95 -2.44 0.00	52.80 -1.84 0.00	42.88 -0.84 0.00	41.55 -0.70 0.00	42.14 -1.01 0.00	37.23 -1.13 0.00	34.46 -1.47 0.00	41.64 -1.79 0.00	39.68 -1.80 0.00	54.24 -1.35 0.00	54.20 -0.48 0.00	59.41 -0.19 0.00	66.79 0.10 0.00	78.96 -1.31 0.00	52.22 -1.28 0.00	51.95 -1.93 0.00	42.50 -1.84 0.00	42.02 -1.28 0.00
SYRACUSE___ENERGY_ST1 323597	46.30 -1.02 0.00	37.32 -0.81 0.00	35.74 -0.77 0.00	33.00 -0.69 0.00	36.11 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.78 -0.85 0.00	43.06 -0.66 0.00	41.58 -0.67 0.00	42.53 -0.62 0.00	37.77 -0.59 0.00	35.30 -0.64 0.00	42.61 -0.82 0.00	40.69 -0.78 0.00	54.70 -0.89 0.00	54.14 -0.54 0.00	59.01 -0.59 0.00	66.04 -0.65 0.00	79.25 -1.01 0.00	52.81 -0.68 0.00	53.04 -0.83 0.00	43.56 -0.78 0.00	42.54 -0.75 0.00
SYRACUSE___ENERGY_ST2 323598	46.30 -1.02 0.00	37.32 -0.81 0.00	35.74 -0.77 0.00	33.00 -0.69 0.00	36.11 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.78 -0.85 0.00	43.06 -0.66 0.00	41.58 -0.67 0.00	42.53 -0.62 0.00	37.77 -0.59 0.00	35.30 -0.64 0.00	42.61 -0.82 0.00	40.69 -0.78 0.00	54.70 -0.89 0.00	54.14 -0.54 0.00	59.01 -0.59 0.00	66.04 -0.65 0.00	79.25 -1.01 0.00	52.81 -0.68 0.00	53.04 -0.83 0.00	43.56 -0.78 0.00	42.54 -0.75 0.00
SYRACUSE___POWER 24017	46.34 -0.98 0.00	37.34 -0.79 0.00	35.74 -0.76 0.00	33.00 -0.69 0.00	36.10 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.85 -0.79 0.00	43.11 -0.61 0.00	41.66 -0.59 0.00	42.58 -0.58 0.00	37.81 -0.55 0.00	35.34 -0.60 0.00	42.69 -0.74 0.00	40.76 -0.71 0.00	54.78 -0.81 0.00	54.22 -0.46 0.00	59.08 -0.52 0.00	66.12 -0.57 0.00	79.35 -0.92 0.00	52.87 -0.62 0.00	53.14 -0.74 0.00	43.62 -0.72 0.00	42.57 -0.73 0.00
TALLMAN__138KV_BK151 55660	49.09 1.77 0.00	39.65 1.52 0.00	37.86 1.36 0.00	34.93 1.23 0.00	38.22 1.39 0.00	36.11 1.63 0.00	52.51 2.12 0.00	56.80 2.17 0.00	45.42 1.71 0.00	44.18 1.93 0.00	45.40 2.25 0.00	40.56 2.21 0.00	37.88 1.95 0.00	45.86 2.43 0.00	43.62 2.15 0.00	57.85 2.26 0.00	56.97 2.29 0.00	61.92 2.31 0.00	69.01 2.32 0.00	83.09 2.82 0.00	55.46 1.97 0.00	55.84 1.96 0.00	46.02 1.68 0.00	44.72 1.42 0.00
TEALLAVE_115KV_TB7 355573	46.03 -1.30 0.00	37.10 -1.04 0.00	35.50 -1.00 0.00	32.79 -0.90 0.00	35.86 -0.96 0.00	33.65 -0.82 0.00	49.22 -1.17 0.00	53.46 -1.17 0.00	42.83 -0.88 0.00	41.40 -0.85 0.00	42.32 -0.83 0.00	37.60 -0.76 0.00	35.13 -0.81 0.00	42.45 -0.98 0.00	40.52 -0.95 0.00	54.43 -1.16 0.00	53.84 -0.83 0.00	58.65 -0.95 0.00	65.63 -1.06 0.00	78.77 -1.50 0.00	52.49 -1.01 0.00	52.77 -1.11 0.00	43.33 -1.01 0.00	42.30 -1.00 0.00
TELGRAPH_34_KV_EAST 80808	44.52 -2.81 0.00	35.61 -2.53 0.00	34.10 -2.40 0.00	31.28 -2.41 0.00	34.67 -2.16 0.00	31.88 -2.60 0.00	46.51 -3.88 0.00	51.23 -3.41 0.00	41.79 -1.93 0.00	40.77 -1.48 0.00	41.23 -1.92 0.00	36.38 -1.98 0.00	33.63 -2.30 0.00	40.69 -2.73 0.00	38.75 -2.73 0.00	52.87 -2.72 0.00	52.80 -1.88 0.00	57.73 -1.87 0.00	64.97 -1.72 0.00	76.71 -3.55 0.00	50.74 -2.76 0.00	50.52 -3.36 0.00	41.38 -2.96 0.00	41.05 -2.25 0.00
TEMPLE___115KV_TB 2 55572	46.03 -1.29 0.00	37.10 -1.03 0.00	35.51 -0.99 0.00	32.80 -0.90 0.00	35.86 -0.96 0.00	33.66 -0.81 0.00	49.23 -1.16 0.00	53.48 -1.16 0.00	42.84 -0.87 0.00	41.41 -0.84 0.00	42.33 -0.82 0.00	37.61 -0.74 0.00	35.14 -0.80 0.00	42.46 -0.97 0.00	40.53 -0.94 0.00	54.45 -1.14 0.00	53.87 -0.80 0.00	58.67 -0.93 0.00	65.67 -1.02 0.00	78.79 -1.48 0.00	52.50 -0.99 0.00	52.78 -1.10 0.00	43.33 -1.01 0.00	42.30 -1.00 0.00
TIANA____69_KV_BK 1 55817	48.26 0.94 0.00	39.25 1.12 0.00	37.44 0.94 0.00	34.58 0.88 0.00	37.81 0.98 0.00	35.96 1.48 0.00	50.51 0.90 0.78	-36.79 0.67 92.10	-64.33 0.82 108.87	0.32 1.12 43.05	0.33 1.78 44.60	23.99 2.00 16.36	-1.19 1.53 38.66	-14.46 1.85 59.74	11.25 1.51 31.74	4.87 1.17 51.89	5.11 1.07 50.64	16.13 0.86 44.33	20.81 0.54 46.42	27.68 0.82 53.41	-3.44 0.73 57.67	-27.34 0.72 81.94	-16.13 1.16 61.63	-15.96 0.78 60.04

TILDEN___115KV_TB1 80814	46.34 -0.98 0.00	37.34 -0.79 0.00	35.74 -0.76 0.00	33.00 -0.69 0.00	36.10 -0.72 0.00	33.88 -0.60 0.00	49.57 -0.82 0.00	53.85 -0.79 0.00	43.11 -0.61 0.00	41.66 -0.59 0.00	42.58 -0.58 0.00	37.81 -0.55 0.00	35.34 -0.60 0.00	42.69 -0.74 0.00	40.76 -0.71 0.00	54.78 -0.81 0.00	54.22 -0.46 0.00	59.08 -0.52 0.00	66.12 -0.57 0.00	79.35 -0.92 0.00	52.87 -0.62 0.00	53.14 -0.74 0.00	43.62 -0.72 0.00	42.57 -0.73 0.00
TRIGEN___CC 323695	49.35 2.03 0.00	39.92 1.79 0.00	38.08 1.58 0.00	35.14 1.45 0.00	38.42 1.60 0.00	36.35 1.88 0.00	52.38 2.11 0.12	54.34 2.23 2.52	44.69 1.85 0.88	44.20 2.24 0.29	45.93 2.77 0.00	41.01 2.70 0.04	38.18 2.32 0.08	46.20 2.79 0.02	43.89 2.47 0.06	57.23 2.57 0.93	55.90 2.54 1.31	60.94 2.40 1.06	68.77 2.33 0.25	83.16 2.89 0.00	55.68 2.19 0.00	55.33 2.16 0.71	46.46 2.13 0.00	45.03 1.73 0.00
TRINITY___115KV__4 BK 55933	47.94 0.62 0.00	38.74 0.61 0.00	37.06 0.56 0.00	34.31 0.61 0.00	37.37 0.54 0.00	35.17 0.70 0.00	51.18 0.79 0.00	55.31 0.67 0.00	44.01 0.30 0.00	42.42 0.18 0.00	43.36 0.21 0.00	38.88 0.53 0.00	36.40 0.47 0.00	44.03 0.60 0.00	42.02 0.55 0.00	56.07 0.48 0.00	55.46 0.78 0.00	60.07 0.47 0.00	67.15 0.46 0.00	81.04 0.77 0.00	54.12 0.62 0.00	53.91 0.03 0.00	44.24 -0.10 0.00	43.18 -0.12 0.00
UNION___PROCESSING_DRP 323587	45.42 -1.90 0.00	36.42 -1.71 0.00	34.87 -1.63 0.00	32.08 -1.62 0.00	35.36 -1.46 0.00	32.93 -1.54 0.00	48.22 -2.17 0.00	52.83 -1.80 0.00	42.80 -0.92 0.00	41.58 -0.67 0.00	42.27 -0.88 0.00	37.37 -0.98 0.00	34.69 -1.25 0.00	41.94 -1.49 0.00	39.96 -1.51 0.00	54.18 -1.41 0.00	53.89 -0.78 0.00	58.87 -0.73 0.00	66.09 -0.60 0.00	78.54 -1.73 0.00	52.07 -1.43 0.00	51.97 -1.91 0.00	42.54 -1.80 0.00	41.83 -1.47 0.00
UPPER HUDSON___HYD 24058	48.90 1.58 0.00	39.46 1.33 0.00	37.67 1.17 0.00	34.86 1.17 0.00	38.01 1.19 0.00	35.94 1.47 0.00	52.32 1.93 0.00	56.52 1.89 0.00	44.75 1.04 0.00	42.90 0.65 0.00	43.93 0.78 0.00	39.53 1.17 0.00	36.91 0.98 0.00	44.84 1.41 0.00	42.80 1.32 0.00	57.34 1.75 0.00	57.00 2.33 0.00	61.69 2.09 0.00	69.03 2.34 0.00	83.44 3.18 0.00	55.94 2.44 0.00	55.63 1.75 0.00	45.68 1.33 0.00	44.67 1.37 0.00
UPPER RAQUET___HYD 24056	49.12 1.80 0.00	39.43 1.30 0.00	37.82 1.32 0.00	34.73 1.03 0.00	37.97 1.15 0.00	35.15 0.68 0.00	51.82 1.43 0.00	56.35 1.71 0.00	45.25 1.54 0.00	43.50 1.25 0.00	44.18 1.02 0.00	38.98 0.63 0.00	36.52 0.59 0.00	44.05 0.62 0.00	42.35 0.88 0.00	56.80 1.20 0.00	55.25 0.57 0.00	60.52 0.92 0.00	67.88 1.18 0.00	81.95 1.68 0.00	54.45 0.95 0.00	55.70 1.82 0.00	46.21 1.88 0.00	45.20 1.90 0.00
VALLEY44_115KV_TB2 355964	44.53 -2.79 0.00	35.68 -2.45 0.00	34.16 -2.34 0.00	31.38 -2.32 0.00	34.68 -2.15 0.00	32.27 -2.20 0.00	47.35 -3.03 0.00	51.89 -2.75 0.00	42.00 -1.71 0.00	40.92 -1.33 0.00	41.66 -1.49 0.00	36.67 -1.69 0.00	33.98 -1.96 0.00	41.15 -2.28 0.00	39.10 -2.37 0.00	53.04 -2.55 0.00	52.81 -1.86 0.00	57.78 -1.82 0.00	65.07 -1.62 0.00	76.91 -3.35 0.00	50.82 -2.68 0.00	50.79 -3.09 0.00	41.67 -2.67 0.00	41.10 -2.20 0.00
VALLEY___115KV_TB 1-4 80826	48.42 1.10 0.00	39.10 0.97 0.00	37.48 0.98 0.00	34.67 0.97 0.00	37.77 0.95 0.00	35.52 1.05 0.00	51.86 1.47 0.00	55.90 1.27 0.00	44.33 0.62 0.00	42.69 0.44 0.00	43.62 0.47 0.00	38.90 0.55 0.00	36.43 0.50 0.00	44.21 0.78 0.00	42.05 0.58 0.00	56.73 1.14 0.00	56.51 1.84 0.00	61.42 1.81 0.00	68.91 2.22 0.00	83.26 2.99 0.00	55.58 2.08 0.00	55.58 1.70 0.00	45.70 1.36 0.00	44.63 1.33 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	48.87 1.55 0.00	39.46 1.33 0.00	37.74 1.24 0.00	34.83 1.14 0.00	38.14 1.31 0.00	35.81 1.34 0.00	52.38 1.99 0.00	56.83 2.20 0.00	45.52 1.81 0.00	44.07 1.81 0.00	45.19 2.03 0.00	40.22 1.86 0.00	37.65 1.71 0.00	45.52 2.09 0.00	43.41 1.93 0.00	58.11 2.52 0.00	57.30 2.62 0.00	62.24 2.64 0.00	69.64 2.95 0.00	83.83 3.57 0.00	55.93 2.43 0.00	56.23 2.35 0.00	46.22 1.88 0.00	45.02 1.73 0.00
VISCHER___FERRY HYD 24020	48.51 1.19 0.00	39.18 1.04 0.00	37.44 0.94 0.00	34.65 0.95 0.00	37.77 0.94 0.00	35.60 1.13 0.00	51.78 1.39 0.00	55.92 1.29 0.00	44.38 0.67 0.00	42.64 0.39 0.00	43.56 0.41 0.00	39.09 0.73 0.00	36.56 0.63 0.00	44.33 0.90 0.00	42.31 0.84 0.00	56.52 0.93 0.00	56.06 1.38 0.00	60.68 1.08 0.00	67.90 1.21 0.00	82.05 1.78 0.00	54.97 1.48 0.00	54.82 0.95 0.00	44.94 0.60 0.00	43.94 0.64 0.00
V_A_10_SYNC_DSASP 323832	44.28 -3.04 0.00	35.46 -2.68 0.00	33.97 -2.54 0.00	31.19 -2.51 0.00	34.49 -2.34 0.00	31.93 -2.55 0.00	46.62 -3.77 0.00	51.18 -3.45 0.00	41.68 -2.03 0.00	40.65 -1.60 0.00	41.22 -1.94 0.00	36.40 -1.96 0.00	33.71 -2.23 0.00	40.83 -2.60 0.00	38.84 -2.63 0.00	52.72 -2.87 0.00	52.49 -2.18 0.00	57.32 -2.27 0.00	64.48 -2.21 0.00	76.30 -3.96 0.00	50.52 -2.97 0.00	50.40 -3.48 0.00	41.28 -3.06 0.00	40.79 -2.51 0.00
V_CMM_10_SYNC_DSASP 323787	48.34 1.02 0.00	38.84 0.71 0.00	37.23 0.73 0.00	34.31 0.62 0.00	37.51 0.69 0.00	34.75 0.27 0.00	51.04 0.65 0.00	55.45 0.81 0.00	44.48 0.76 0.00	42.95 0.70 0.00	43.71 0.56 0.00	38.65 0.29 0.00	36.28 0.34 0.00	43.76 0.33 0.00	41.96 0.48 0.00	56.47 0.88 0.00	55.03 0.35 0.00	60.31 0.70 0.00	67.54 0.85 0.00	81.30 1.03 0.00	54.01 0.51 0.00	54.90 1.02 0.00	45.34 1.00 0.00	44.37 1.07 0.00
V_CMP_10_SYNC_DSASP 323788	48.06 0.74 0.00	38.50 0.37 0.00	36.92 0.42 0.00	34.11 0.41 0.00	37.27 0.45 0.00	34.30 -0.17 0.00	50.44 0.05 0.00	54.73 0.10 0.00	44.06 0.35 0.00	42.41 0.16 0.00	43.18 0.03 0.00	38.14 -0.21 0.00	35.77 -0.17 0.00	42.93 -0.49 0.00	41.06 -0.41 0.00	55.31 -0.28 0.00	53.67 -1.01 0.00	58.96 -0.64 0.00	66.49 -0.21 0.00	80.54 0.28 0.00	53.43 -0.07 0.00	54.53 0.65 0.00	45.42 1.08 0.00	44.53 1.23 0.00
V_D_10_SYNC_DSASP 323841	48.82 1.50 0.00	39.21 1.08 0.00	37.59 1.09 0.00	34.63 0.93 0.00	37.86 1.03 0.00	35.05 0.57 0.00	51.51 1.12 0.00	55.98 1.35 0.00	44.91 1.20 0.00	43.34 1.09 0.00	44.10 0.94 0.00	38.96 0.60 0.00	36.56 0.62 0.00	44.10 0.67 0.00	42.30 0.83 0.00	56.92 1.33 0.00	55.48 0.80 0.00	60.79 1.19 0.00	68.10 1.41 0.00	81.98 1.71 0.00	54.48 0.99 0.00	55.41 1.53 0.00	45.79 1.45 0.00	44.82 1.52 0.00
V_E_10_SYNC_DSASP 323830	47.80 0.48 0.00	38.41 0.28 0.00	36.81 0.30 0.00	33.92 0.23 0.00	37.41 0.59 0.00	35.19 0.72 0.00	51.80 1.41 0.00	56.30 1.67 0.00	44.88 1.17 0.00	43.12 0.87 0.00	44.19 1.04 0.00	38.89 0.53 0.00	36.37 0.43 0.00	43.26 -0.17 0.00	41.57 0.10 0.00	56.59 1.00 0.00	57.54 2.86 0.00	62.98 3.37 0.00	70.76 4.06 0.00	85.27 5.00 0.00	56.90 3.40 0.00	57.15 3.28 0.00	46.99 2.65 0.00	45.89 2.59 0.00

V_F_30_NSYNC___DSASP 323816	49.06 1.74 0.00	39.58 1.45 0.00	37.83 1.33 0.00	34.99 1.29 0.00	38.17 1.35 0.00	36.00 1.52 0.00	52.45 2.06 0.00	56.66 2.03 0.00	44.91 1.20 0.00	43.10 0.85 0.00	44.10 0.95 0.00	39.58 1.22 0.00	36.97 1.04 0.00	44.89 1.47 0.00	42.87 1.40 0.00	57.41 1.82 0.00	56.99 2.32 0.00	61.77 2.17 0.00	69.10 2.41 0.00	83.41 3.15 0.00	55.81 2.32 0.00	55.70 1.82 0.00	45.68 1.34 0.00	44.64 1.34 0.00
V_F_30_SYNC_DSASP 323786	48.12 0.80 0.00	38.90 0.77 0.00	37.21 0.71 0.00	34.44 0.74 0.00	37.51 0.69 0.00	35.31 0.84 0.00	51.41 1.02 0.00	55.56 0.93 0.00	44.21 0.50 0.00	42.62 0.37 0.00	43.56 0.41 0.00	39.09 0.73 0.00	36.59 0.66 0.00	44.26 0.83 0.00	42.24 0.77 0.00	56.39 0.80 0.00	55.78 1.10 0.00	60.43 0.82 0.00	67.56 0.86 0.00	81.47 1.21 0.00	54.37 0.87 0.00	54.13 0.25 0.00	44.41 0.07 0.00	43.33 0.03 0.00
V_XM_10_SYNC_DSASP 323789	48.06 0.74 0.00	38.50 0.37 0.00	36.92 0.42 0.00	34.11 0.41 0.00	37.27 0.45 0.00	34.30 -0.17 0.00	50.44 0.05 0.00	54.73 0.10 0.00	44.06 0.35 0.00	42.41 0.16 0.00	43.18 0.03 0.00	38.14 -0.21 0.00	35.77 -0.17 0.00	42.93 -0.49 0.00	41.06 -0.41 0.00	55.31 -0.28 0.00	53.67 -1.01 0.00	58.96 -0.64 0.00	66.49 -0.21 0.00	80.54 0.28 0.00	53.43 -0.07 0.00	54.53 0.65 0.00	45.42 1.08 0.00	44.53 1.23 0.00
W.BABYLN_69_KV_BK1 56697	49.61 2.29 0.00	40.14 2.01 0.00	38.28 1.78 0.00	35.33 1.63 0.00	38.62 1.79 0.00	36.60 2.13 0.00	52.04 2.29 0.65	43.47 2.37 13.53	40.92 1.94 4.73	43.42 2.28 1.11	46.09 2.93 0.00	41.15 2.84 0.04	38.22 2.36 0.08	46.25 2.85 0.02	43.73 2.56 0.31	53.38 2.76 4.97	50.49 2.85 7.03	56.73 2.82 5.70	68.10 2.77 1.36	83.70 3.44 0.00	56.00 2.51 0.00	52.53 2.47 3.82	46.87 2.53 0.00	45.35 2.05 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	49.33 2.01 0.00	39.84 1.70 0.00	38.04 1.54 0.00	35.09 1.40 0.00	38.40 1.57 0.00	36.28 1.80 0.00	52.78 2.39 0.00	57.11 2.48 0.00	45.69 1.98 0.00	44.43 2.19 0.00	45.65 2.50 0.00	40.80 2.44 0.00	38.10 2.16 0.00	46.12 2.69 0.00	43.88 2.41 0.00	58.22 2.63 0.00	57.33 2.66 0.00	62.31 2.71 0.00	69.45 2.76 0.00	83.59 3.32 0.00	55.81 2.31 0.00	56.17 2.29 0.00	46.27 1.94 0.00	44.94 1.65 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	49.64 2.33 0.00	40.10 1.97 0.00	38.28 1.78 0.00	35.31 1.61 0.00	38.63 1.81 0.00	36.55 2.07 0.00	53.13 2.74 0.00	57.49 2.86 0.00	46.05 2.33 0.00	45.93 2.60 -1.08	46.09 2.93 -0.01	41.64 2.83 -0.45	39.26 2.51 -0.82	46.68 3.07 -0.19	44.25 2.76 -0.01	58.55 2.97 0.00	57.56 2.89 0.00	62.46 2.86 0.00	69.55 2.86 0.00	83.67 3.40 0.00	55.98 2.48 0.00	56.36 2.48 0.00	46.48 2.14 0.00	45.11 1.81 0.00
W50THST__13_KV_LOAD 356117	49.89 2.57 0.00	40.29 2.16 0.00	38.46 1.96 0.00	35.47 1.78 0.00	38.82 1.99 0.00	36.74 2.26 0.00	53.42 3.03 0.00	57.79 3.16 0.00	46.33 2.62 0.00	46.24 2.91 -1.08	46.42 3.26 -0.01	41.95 3.14 -0.45	39.54 2.79 -0.82	47.02 3.40 -0.19	44.57 3.09 -0.01	58.93 3.35 0.00	57.91 3.24 0.00	62.83 3.23 0.00	69.92 3.23 0.00	84.08 3.82 0.00	56.24 2.74 0.00	56.63 2.75 0.00	46.71 2.37 0.00	45.33 2.03 0.00
WADING RIVER_IC_1 23522	48.16 0.84 0.00	39.25 1.12 0.00	37.43 0.93 0.00	34.57 0.87 0.00	37.78 0.96 0.00	35.93 1.45 0.00	50.32 0.71 0.78	-16.92 0.14 71.70	-37.07 0.30 81.08	11.42 0.99 31.81	12.21 1.64 32.59	28.22 1.83 11.97	9.11 1.44 28.27	1.50 1.72 43.65	19.59 1.40 23.29	16.94 0.89 39.54	15.98 0.60 39.29	25.67 0.31 34.24	32.26 -0.07 34.36	41.30 0.06 39.03	11.61 0.25 42.13	-7.00 0.23 61.12	0.16 0.85 45.03	-0.04 0.53 43.87
WADING RIVER_IC_2 23547	48.16 0.84 0.00	39.25 1.12 0.00	37.43 0.93 0.00	34.57 0.87 0.00	37.78 0.96 0.00	35.93 1.45 0.00	50.32 0.71 0.78	-16.92 0.14 71.70	-37.07 0.30 81.08	11.42 0.99 31.81	12.21 1.64 32.59	28.22 1.83 11.97	9.11 1.44 28.27	1.50 1.72 43.65	19.59 1.40 23.29	16.94 0.89 39.54	15.98 0.60 39.29	25.67 0.31 34.24	32.26 -0.07 34.36	41.30 0.06 39.03	11.61 0.25 42.13	-7.00 0.23 61.12	0.16 0.85 45.03	-0.04 0.53 43.87
WADING RIVER_IC_3 23601	48.16 0.84 0.00	39.25 1.12 0.00	37.43 0.93 0.00	34.57 0.87 0.00	37.78 0.96 0.00	35.93 1.45 0.00	50.32 0.71 0.78	-16.92 0.14 71.70	-37.07 0.30 81.08	11.42 0.99 31.81	12.21 1.64 32.59	28.22 1.83 11.97	9.11 1.44 28.27	1.50 1.72 43.65	19.59 1.40 23.29	16.94 0.89 39.54	15.98 0.60 39.29	25.67 0.31 34.24	32.26 -0.07 34.36	41.30 0.06 39.03	11.61 0.25 42.13	-7.00 0.23 61.12	0.16 0.85 45.03	-0.04 0.53 43.87
WALDENNY_12_KV_BK2 80841	44.19 -3.13 0.00	35.37 -2.76 0.00	33.87 -2.63 0.00	31.06 -2.63 0.00	34.42 -2.41 0.00	31.78 -2.70 0.00	46.47 -3.93 0.00	51.14 -3.49 0.00	41.75 -1.97 0.00	40.79 -1.46 0.00	41.29 -1.86 0.00	36.41 -1.94 0.00	33.69 -2.24 0.00	40.91 -2.52 0.00	38.90 -2.58 0.00	52.97 -2.62 0.00	52.88 -1.79 0.00	57.83 -1.77 0.00	65.11 -1.58 0.00	76.83 -3.44 0.00	50.77 -2.72 0.00	50.57 -3.31 0.00	41.43 -2.91 0.00	41.05 -2.25 0.00
WALDEN___HYDRO 24148	49.16 1.84 0.00	39.71 1.58 0.00	37.92 1.42 0.00	34.97 1.27 0.00	38.27 1.45 0.00	36.13 1.66 0.00	52.59 2.20 0.00	56.93 2.29 0.00	45.53 1.81 0.00	44.18 1.93 0.00	45.33 2.17 0.00	40.50 2.15 0.00	37.86 1.92 0.00	45.82 2.39 0.00	43.59 2.12 0.00	57.98 2.39 0.00	57.14 2.47 0.00	62.12 2.52 0.00	69.31 2.62 0.00	83.43 3.17 0.00	55.72 2.22 0.00	56.05 2.17 0.00	46.14 1.81 0.00	44.84 1.54 0.00
WARRENSBURG____ 23737	48.90 1.58 0.00	39.46 1.33 0.00	37.67 1.17 0.00	34.86 1.17 0.00	38.01 1.19 0.00	35.94 1.47 0.00	52.32 1.93 0.00	56.52 1.89 0.00	44.74 1.03 0.00	42.90 0.65 0.00	43.93 0.78 0.00	39.53 1.17 0.00	36.92 0.98 0.00	44.84 1.41 0.00	42.80 1.32 0.00	57.34 1.75 0.00	57.00 2.33 0.00	61.69 2.09 0.00	69.04 2.35 0.00	83.44 3.18 0.00	55.94 2.44 0.00	55.63 1.75 0.00	45.68 1.34 0.00	44.67 1.37 0.00
WATERSIDE____6 8 9 23538	49.62 2.31 0.00	40.11 1.98 0.00	38.29 1.79 0.00	35.32 1.62 0.00	38.65 1.83 0.00	36.56 2.08 0.00	53.06 2.67 0.00	57.43 2.80 0.00	46.06 2.35 0.00	46.59 2.58 -1.76	46.06 2.89 -0.01	41.82 2.73 -0.73	39.67 2.41 -1.33	46.75 3.01 -0.31	44.22 2.73 -0.02	58.45 2.86 0.00	57.42 2.74 0.00	62.34 2.73 0.00	69.39 2.70 0.00	83.52 3.26 0.00	55.94 2.44 0.00	56.31 2.43 0.00	46.50 2.16 0.00	45.10 1.80 0.00
WATKINRD_115KV_LN8_ILLION 55919	48.12 0.80 0.00	38.85 0.72 0.00	37.20 0.70 0.00	34.39 0.70 0.00	37.51 0.69 0.00	35.27 0.79 0.00	51.49 1.09 0.00	55.59 0.96 0.00	44.17 0.46 0.00	42.56 0.31 0.00	43.51 0.35 0.00	38.79 0.43 0.00	36.34 0.40 0.00	44.03 0.61 0.00	41.93 0.46 0.00	56.43 0.84 0.00	56.02 1.35 0.00	60.95 1.35 0.00	68.28 1.59 0.00	82.37 2.11 0.00	54.99 1.49 0.00	55.08 1.20 0.00	45.27 0.93 0.00	44.19 0.89 0.00

WDELAWARE___HYD 323627	48.33 1.01 0.00	39.01 0.88 0.00	37.28 0.77 0.00	34.40 0.71 0.00	37.65 0.82 0.00	35.54 1.06 0.00	51.82 1.43 0.00	56.10 1.47 0.00	44.66 0.94 0.00	43.20 0.95 0.00	44.28 1.12 0.00	39.59 1.23 0.00	36.95 1.01 0.00	44.81 1.37 0.00	42.71 1.24 0.00	56.86 1.27 0.00	56.13 1.45 0.00	61.13 1.53 0.00	68.26 1.57 0.00	82.19 1.92 0.00	54.86 1.36 0.00	55.17 1.29 0.00	45.39 1.06 0.00	44.11 0.81 0.00
WEST BABYLON___IC 23714	49.61 2.29 0.00	40.14 2.01 0.00	38.28 1.78 0.00	35.33 1.63 0.00	38.62 1.79 0.00	36.60 2.13 0.00	52.04 2.29 0.65	43.47 2.37 13.53	40.92 1.94 4.73	43.42 2.28 1.11	46.09 2.93 0.00	41.15 2.84 0.04	38.22 2.36 0.08	46.25 2.85 0.02	43.73 2.56 0.31	53.38 2.76 4.97	50.49 2.85 7.03	56.73 2.82 5.70	68.10 2.77 1.36	83.70 3.44 0.00	56.00 2.51 0.00	52.53 2.47 3.82	46.87 2.53 0.00	45.35 2.05 0.00
WEST CANADA___HYD 24049	47.35 0.03 0.00	38.19 0.06 0.00	36.54 0.04 0.00	33.73 0.04 0.00	36.86 0.03 0.00	34.58 0.11 0.00	50.51 0.12 0.00	54.70 0.07 0.00	43.71 0.00 0.00	42.23 -0.02 0.00	43.16 0.00 0.00	38.43 0.08 0.00	35.99 0.06 0.00	43.52 0.09 0.00	41.54 0.06 0.00	55.64 0.05 0.00	54.86 0.19 0.00	59.70 0.10 0.00	66.76 0.07 0.00	80.41 0.14 0.00	53.65 0.15 0.00	53.90 0.02 0.00	44.34 0.00 0.00	43.27 -0.03 0.00
WESTERN_NY_WIND 24143	45.43 -1.89 0.00	36.34 -1.79 0.00	34.81 -1.69 0.00	31.95 -1.74 0.00	35.40 -1.43 0.00	32.70 -1.77 0.00	47.85 -2.55 0.00	52.69 -1.94 0.00	42.81 -0.91 0.00	41.48 -0.77 0.00	42.06 -1.09 0.00	37.16 -1.20 0.00	34.40 -1.53 0.00	41.57 -1.85 0.00	39.60 -1.87 0.00	54.15 -1.44 0.00	54.11 -0.57 0.00	59.30 -0.30 0.00	66.67 -0.02 0.00	78.80 -1.46 0.00	52.11 -1.39 0.00	51.86 -2.02 0.00	42.42 -1.92 0.00	41.95 -1.35 0.00
WESTOVER___LESR 323668	46.85 -0.47 0.00	37.74 -0.40 0.00	36.09 -0.42 0.00	33.29 -0.41 0.00	36.46 -0.37 0.00	34.19 -0.29 0.00	50.00 -0.40 0.00	54.29 -0.35 0.00	43.48 -0.23 0.00	42.09 -0.16 0.00	43.04 -0.11 0.00	38.24 -0.12 0.00	35.70 -0.24 0.00	43.15 -0.27 0.00	41.11 -0.36 0.00	55.19 -0.40 0.00	54.67 -0.01 0.00	59.51 -0.09 0.00	66.69 0.00 0.00	79.92 -0.34 0.00	53.23 -0.27 0.00	53.48 -0.40 0.00	43.96 -0.37 0.00	42.96 -0.33 0.00
WETHRSFD_WT_PWR 323626	43.06 -4.26 0.00	34.51 -3.62 0.00	33.10 -3.40 0.00	30.36 -3.34 0.00	33.61 -3.21 0.00	31.24 -3.24 0.00	45.86 -4.53 0.00	50.24 -4.39 0.00	40.65 -3.06 0.00	39.47 -2.78 0.00	40.20 -2.95 0.00	35.40 -2.96 0.00	32.71 -3.23 0.00	39.83 -3.60 0.00	37.98 -3.49 0.00	52.07 -3.52 0.00	52.33 -2.35 0.00	57.30 -2.31 0.00	64.54 -2.15 0.00	76.20 -4.06 0.00	50.28 -3.21 0.00	50.00 -3.88 0.00	41.12 -3.22 0.00	40.84 -2.45 0.00
WHAVSTOR_138KV_BK127 55557	49.07 1.75 0.00	39.64 1.51 0.00	37.85 1.35 0.00	34.92 1.22 0.00	38.20 1.38 0.00	36.10 1.63 0.00	52.49 2.09 0.00	56.77 2.14 0.00	45.42 1.71 0.00	44.17 1.92 0.00	45.38 2.23 0.00	40.54 2.18 0.00	37.86 1.93 0.00	45.83 2.40 0.00	43.59 2.11 0.00	57.83 2.24 0.00	56.93 2.26 0.00	61.83 2.24 0.00	68.94 2.25 0.00	83.00 2.74 0.00	55.43 1.93 0.00	55.81 1.93 0.00	46.00 1.66 0.00	44.68 1.39 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	49.07 1.75 0.00	39.64 1.51 0.00	37.85 1.35 0.00	34.92 1.22 0.00	38.20 1.38 0.00	36.10 1.63 0.00	52.49 2.09 0.00	56.77 2.14 0.00	45.42 1.71 0.00	44.17 1.92 0.00	45.38 2.23 0.00	40.54 2.18 0.00	37.86 1.93 0.00	45.83 2.40 0.00	43.59 2.11 0.00	57.83 2.24 0.00	56.93 2.26 0.00	61.83 2.24 0.00	68.94 2.25 0.00	83.00 2.74 0.00	55.43 1.93 0.00	55.81 1.93 0.00	46.00 1.66 0.00	44.68 1.39 0.00
WHITEHAL_115KV_TB1 80871	50.24 2.92 0.00	40.50 2.37 0.00	38.50 2.00 0.00	35.74 2.05 0.00	38.78 1.95 0.00	36.94 2.46 0.00	53.44 3.05 0.00	57.65 3.02 0.00	45.51 1.79 0.00	43.48 1.23 0.00	44.69 1.54 0.00	40.50 2.14 0.00	37.79 1.86 0.00	46.28 2.86 0.00	44.02 2.55 0.00	59.40 3.81 0.00	59.40 4.73 0.00	63.52 3.92 0.00	71.12 4.43 0.00	86.52 6.26 0.00	58.19 4.69 0.00	57.23 3.35 0.00	46.84 2.50 0.00	46.10 2.80 0.00
WHITEPLN_13_KV_LOAD 356215	49.61 2.29 0.00	40.06 1.93 0.00	38.25 1.75 0.00	35.29 1.59 0.00	38.60 1.77 0.00	36.49 2.02 0.00	53.11 2.72 0.00	57.49 2.86 0.00	46.01 2.30 0.00	44.79 2.49 -0.05	45.99 2.83 0.00	41.10 2.72 -0.02	38.39 2.42 -0.04	46.44 3.00 -0.01	44.19 2.72 0.00	58.63 3.04 0.00	57.72 3.05 0.00	62.72 3.12 0.00	69.90 3.21 0.00	84.13 3.86 0.00	56.17 2.67 0.00	56.50 2.63 0.00	46.54 2.20 0.00	45.19 1.89 0.00
WM_FLOYD_69_KV_BK2 356380	48.66 1.34 0.00	39.52 1.38 0.00	37.69 1.19 0.00	34.80 1.11 0.00	38.04 1.22 0.00	36.15 1.68 0.00	50.85 1.23 0.77	-76.69 1.02 132.34	-119.00 0.97 163.68	-21.54 1.44 65.23	-23.02 2.12 68.30	15.50 2.18 25.04	-21.46 1.77 59.16	-45.96 2.08 91.47	-5.20 1.74 48.41	-19.20 1.48 76.27	-16.88 1.47 73.02	-3.35 1.27 64.22	-2.54 0.98 70.21	-0.26 1.28 81.80	-33.76 1.06 88.31	-68.11 1.04 123.03	-48.58 1.46 94.38	-47.56 1.08 91.94
WOODARD___115KV_TB2 355635	46.02 -1.30 0.00	37.09 -1.04 0.00	35.49 -1.01 0.00	32.79 -0.91 0.00	35.85 -0.97 0.00	33.63 -0.84 0.00	49.19 -1.20 0.00	53.41 -1.22 0.00	42.79 -0.93 0.00	41.36 -0.89 0.00	42.26 -0.89 0.00	37.56 -0.81 0.00	35.09 -0.84 0.00	42.40 -1.03 0.00	40.48 -0.99 0.00	54.38 -1.21 0.00	53.76 -0.92 0.00	58.59 -1.01 0.00	65.55 -1.14 0.00	78.69 -1.58 0.00	52.44 -1.06 0.00	52.70 -1.17 0.00	43.28 -1.06 0.00	42.25 -1.04 0.00
WOODMERE_69_KV_BK1 55827	49.80 2.47 0.00	40.26 2.13 0.00	38.41 1.90 0.00	35.45 1.75 0.00	38.75 1.93 0.00	36.66 2.19 0.00	53.00 2.61 0.00	57.34 2.71 0.00	45.97 2.25 0.00	44.83 2.68 0.10	46.36 3.21 0.00	41.42 3.11 0.04	38.56 2.70 0.08	46.73 3.32 0.02	44.41 2.94 0.00	58.81 3.22 0.00	57.88 3.20 0.00	62.68 3.08 0.00	69.78 3.09 0.00	84.05 3.78 0.00	56.30 2.80 0.00	56.61 2.74 0.00	46.92 2.58 0.00	45.46 2.16 0.00
YORK___WARBASSE 23770	49.86 2.54 0.00	40.29 2.16 0.00	38.48 1.97 0.00	35.49 1.79 0.00	38.85 2.03 0.00	36.74 2.27 0.00	53.31 2.92 0.00	57.69 3.06 0.00	46.32 2.60 0.00	46.78 2.77 -1.76	46.21 3.05 -0.01	41.89 2.80 -0.73	39.68 2.41 -1.33	46.92 3.18 -0.31	44.40 2.91 -0.02	58.66 3.07 0.00	57.64 2.97 0.00	62.59 2.98 0.00	69.69 3.00 0.00	83.97 3.71 0.00	56.33 2.83 0.00	56.63 2.75 0.00	46.76 2.42 0.00	45.35 2.05 0.00