

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

03/08/2025

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	47.87	44.25	39.27	43.71	42.48	56.95	54.61	44.99	38.78	38.06	38.97	33.46	39.03	34.88	38.10	35.58	39.13	72.97	78.41	92.47	62.35	52.99	42.75	40.86
24138	1.52	1.30	1.33	1.44	1.50	1.89	1.96	1.81	1.78	1.97	2.26	1.77	2.10	1.93	2.15	2.06	2.22	3.32	3.48	4.18	2.96	2.55	2.00	1.82
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	48.05	44.41	39.39	43.86	42.61	57.13	54.80	45.14	38.91	38.17	39.08	33.54	39.12	34.97	38.19	35.66	39.23	73.24	78.74	92.84	62.59	53.19	42.91	41.01
24260	1.69	1.46	1.45	1.58	1.62	2.07	2.14	1.96	1.91	2.07	2.37	1.85	2.19	2.02	2.24	2.13	2.32	3.59	3.80	4.56	3.20	2.75	2.16	1.97
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	48.05	44.41	39.39	43.86	42.61	57.13	54.80	45.14	38.91	38.17	39.08	33.54	39.12	34.97	38.19	35.66	39.23	73.24	78.74	92.84	62.59	53.19	42.91	41.01
24261	1.69	1.46	1.45	1.58	1.62	2.07	2.14	1.96	1.91	2.07	2.37	1.85	2.19	2.02	2.24	2.13	2.32	3.59	3.80	4.56	3.20	2.75	2.16	1.97
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	49.87	46.25	40.85	45.46	44.22	59.62	57.08	46.69	39.96	38.66	39.08	33.77	39.37	35.09	38.47	36.10	39.87	75.34	81.08	95.74	64.30	54.39	43.81	42.03
24011	3.52	3.31	2.91	3.18	3.23	4.55	4.43	3.51	2.96	2.56	2.36	2.08	2.44	2.14	2.52	2.58	2.95	5.68	6.15	7.45	4.91	3.95	3.06	2.99
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	50.28	46.66	41.21	45.83	44.62	60.23	57.65	47.11	40.30	38.96	39.27	33.89	39.50	35.21	38.65	36.33	40.05	75.71	81.62	96.44	64.74	54.71	44.05	42.27
23798	3.93	3.71	3.27	3.55	3.63	5.16	5.00	3.93	3.30	2.87	2.55	2.20	2.57	2.26	2.70	2.81	3.14	6.05	6.68	8.15	5.35	4.27	3.30	3.23
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	49.87	46.25	40.85	45.46	44.22	59.62	57.08	46.69	39.96	38.66	39.08	33.77												

ALBANY___2 23572	47.81 1.46 0.00	44.29 1.35 0.00	39.19 1.24 0.00	43.63 1.36 0.00	42.39 1.40 0.00	56.93 1.87 0.00	54.45 1.79 0.00	44.65 1.47 0.00	38.37 1.37 0.00	37.42 1.32 0.00	38.10 1.38 0.00	32.90 1.21 0.00	38.33 1.40 0.00	34.24 1.29 0.00	37.41 1.46 0.00	34.95 1.42 0.00	38.55 1.63 0.00	72.34 2.68 0.00	77.59 2.65 0.00	91.59 3.30 0.00	61.62 2.23 0.00	52.36 1.91 0.00	42.29 1.54 0.00	40.48 1.44 0.00
ALBANY___3 23573	47.81 1.46 0.00	44.29 1.35 0.00	39.19 1.24 0.00	43.63 1.36 0.00	42.39 1.40 0.00	56.93 1.87 0.00	54.45 1.79 0.00	44.65 1.47 0.00	38.37 1.37 0.00	37.42 1.32 0.00	38.10 1.38 0.00	32.90 1.21 0.00	38.33 1.40 0.00	34.24 1.29 0.00	37.41 1.46 0.00	34.95 1.42 0.00	38.55 1.63 0.00	72.34 2.68 0.00	77.59 2.65 0.00	91.59 3.30 0.00	61.62 2.23 0.00	52.36 1.91 0.00	42.29 1.54 0.00	40.48 1.44 0.00
ALBANY___4 23574	47.81 1.46 0.00	44.29 1.35 0.00	39.19 1.24 0.00	43.63 1.36 0.00	42.39 1.40 0.00	56.93 1.87 0.00	54.45 1.79 0.00	44.65 1.47 0.00	38.37 1.37 0.00	37.42 1.32 0.00	38.10 1.38 0.00	32.90 1.21 0.00	38.33 1.40 0.00	34.24 1.29 0.00	37.41 1.46 0.00	34.95 1.42 0.00	38.55 1.63 0.00	72.34 2.68 0.00	77.59 2.65 0.00	91.59 3.30 0.00	61.62 2.23 0.00	52.36 1.91 0.00	42.29 1.54 0.00	40.48 1.44 0.00
ALBANY___LFGE 323615	48.04 1.68 0.00	44.51 1.56 0.00	39.37 1.43 0.00	43.84 1.57 0.00	42.60 1.61 0.00	57.22 2.15 0.00	54.71 2.06 0.00	44.87 1.69 0.00	38.56 1.56 0.00	37.58 1.49 0.00	38.29 1.57 0.00	33.06 1.37 0.00	38.52 1.60 0.00	34.41 1.46 0.00	37.62 1.67 0.00	35.14 1.62 0.00	38.79 1.87 0.00	72.78 3.12 0.00	78.04 3.10 0.00	92.10 3.81 0.00	61.96 2.57 0.00	52.64 2.19 0.00	42.51 1.76 0.00	40.69 1.65 0.00
ALCOA_PA_115KV_PL-6C 55860	47.28 0.92 0.00	43.83 0.88 0.00	38.64 0.70 0.00	42.98 0.70 0.00	41.64 0.65 0.00	55.83 0.77 0.00	53.29 0.63 0.00	45.52 0.45 -1.89	39.50 0.17 -2.32	40.47 0.09 -4.29	46.56 0.09 -9.75	45.85 0.07 -14.09	52.40 0.06 -15.42	47.35 0.02 -14.38	50.89 -0.01 -14.95	48.05 0.03 -14.49	52.30 0.01 -15.38	94.60 0.70 -24.25	101.69 1.01 -25.75	118.62 1.03 -29.30	81.64 0.74 -21.52	69.63 0.80 -18.39	48.39 0.70 -6.93	39.87 0.72 -0.11
ALCOA_RYNLDS___DRP 24188	47.28 0.92 0.00	43.83 0.88 0.00	38.64 0.70 0.00	42.98 0.70 0.00	41.64 0.65 0.00	55.83 0.77 0.00	53.29 0.63 0.00	45.52 0.45 -1.89	39.50 0.17 -2.32	40.47 0.09 -4.29	46.56 0.09 -9.75	45.85 0.07 -14.09	52.40 0.06 -15.42	47.35 0.02 -14.38	50.89 -0.01 -14.95	48.05 0.03 -14.49	52.30 0.01 -15.38	94.60 0.70 -24.25	101.69 1.01 -25.75	118.62 1.03 -29.30	81.64 0.74 -21.52	69.63 0.80 -18.39	48.39 0.70 -6.93	39.87 0.72 -0.11
ALCOA___DSASP 323711	47.28 0.92 0.00	43.83 0.88 0.00	38.64 0.70 0.00	42.97 0.69 0.00	41.64 0.65 0.00	55.83 0.76 0.00	53.29 0.63 0.00	45.52 0.44 -1.89	39.50 0.17 -2.32	40.47 0.08 -4.29	46.56 0.09 -9.75	45.85 0.07 -14.09	52.40 0.06 -15.42	47.35 0.02 -14.38	50.89 -0.02 -14.95	48.05 0.03 -14.49	52.30 0.00 -15.38	94.60 0.70 -24.25	101.68 1.00 -25.75	118.62 1.03 -29.30	81.64 0.73 -21.52	69.63 0.80 -18.39	48.39 0.70 -6.93	39.87 0.72 -0.11
ALLEGHENY___COGEN 23514	45.42 -0.93 0.00	43.38 -0.94 -1.38	61.42 -1.14 -24.62	56.56 -1.26 -15.54	40.65 -1.52 -1.18	81.53 -1.53 -27.98	90.71 -1.24 -39.29	74.36 -0.86 -32.04	64.20 -0.97 -28.17	59.97 -1.25 -25.12	59.41 -2.05 -24.75	52.25 -1.98 -22.54	59.37 -2.38 -24.83	54.89 -2.24 -24.18	59.00 -2.55 -25.60	54.68 -2.29 -23.45	60.39 -2.29 -25.76	113.49 -2.24 -46.08	122.84 -0.78 -48.68	142.47 -0.80 -54.97	82.36 -0.59 -23.57	56.18 -1.09 -6.83	39.87 -0.88 0.00	38.28 -0.76 0.00
ALTAMONT_115KV_TB 2 55880	47.49 1.14 0.00	44.00 1.05 0.00	38.92 0.98 0.00	43.34 1.06 0.00	42.10 1.11 0.00	56.54 1.48 0.00	54.08 1.42 0.00	44.35 1.17 0.00	38.06 1.06 0.00	37.09 1.00 0.00	37.76 1.04 0.00	32.59 0.91 0.00	38.00 1.07 0.00	33.93 0.98 0.00	37.08 1.12 0.00	34.60 1.08 0.00	38.19 1.27 0.00	71.80 2.14 0.00	77.06 2.13 0.00	90.96 2.67 0.00	61.19 1.81 0.00	51.99 1.54 0.00	41.98 1.23 0.00	40.19 1.15 0.00
ALTONA_WT_PWR 323606	46.40 0.04 0.00	43.21 0.27 0.00	37.78 -0.16 0.00	41.29 -0.99 0.00	39.71 -1.28 0.00	53.42 -1.64 0.00	50.76 -1.90 0.00	8.03 -1.78 33.37	9.16 -1.72 26.11	-20.57 -1.73 54.94	-6.65 -1.46 41.91	-20.72 -1.27 51.14	-20.65 -1.63 55.95	-20.70 -1.47 52.19	-20.65 -1.72 54.87	-20.64 -1.57 52.60	-20.62 -1.71 55.82	-20.33 -1.99 88.00	-20.31 -1.81 93.44	-20.28 -2.26 106.32	-20.41 -1.72 78.08	-17.38 -1.08 66.74	14.48 -1.11 25.16	37.75 -0.90 0.39
AMERICAN_REF_FUEL 24010	41.83 -4.52 0.00	38.43 -4.21 0.31	28.46 -4.01 5.47	34.61 -4.22 3.46	36.39 -4.33 0.26	43.52 -5.33 6.22	38.70 -5.22 8.74	31.83 -4.23 7.12	26.97 -3.77 6.26	27.08 -3.43 5.58	27.48 -3.74 5.50	23.74 -2.94 5.01	27.71 -3.70 5.52	24.12 -3.46 5.38	26.43 -3.83 5.69	25.01 -3.31 5.21	27.51 -3.68 5.73	52.74 -6.67 10.25	57.11 -7.00 10.83	67.36 -8.71 12.22	48.26 -5.89 5.24	43.34 -5.59 1.52	36.64 -4.11 0.00	35.41 -3.63 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	43.44 -2.92 0.00	39.70 -3.09 0.15	31.97 -3.23 2.74	37.45 -3.10 1.73	37.52 -3.34 0.13	48.81 -3.14 3.11	45.29 -3.00 4.37	36.64 -2.97 3.56	31.55 -2.32 3.13	31.58 -1.72 2.80	32.04 -1.93 2.75	27.53 -1.65 2.51	31.88 -2.29 2.76	27.77 -2.49 2.69	30.13 -2.97 2.85	28.40 -2.52 2.61	31.17 -2.87 2.87	59.93 -4.60 5.13	64.99 -4.53 5.42	77.01 -5.17 6.11	53.71 -3.06 2.62	45.93 -3.76 0.76	37.59 -3.15 0.00	36.02 -3.03 0.00
ARTHUR KILL_GT_1 23520	61.58 1.74 -13.48	61.07 1.57 -16.55	59.99 1.52 -20.53	59.98 1.66 -16.05	59.99 1.69 -17.32	60.98 2.11 -3.81	60.26 2.21 -5.40	61.43 1.94 -16.31	60.79 1.76 -22.03	60.38 1.93 -22.35	61.29 2.35 -22.23	60.20 1.91 -26.60	59.84 2.03 -20.88	58.73 1.91 -23.87	58.79 2.13 -20.72	59.65 2.07 -24.05	60.04 2.29 -20.84	77.31 3.14 -4.51	86.42 3.44 -8.04	107.06 4.07 -14.70	73.19 3.19 -10.61	61.71 2.84 -8.43	61.40 2.27 -18.39	60.61 2.07 -19.49
ARTHUR_KILL_2 23512	61.45 1.61 -13.48	60.94 1.44 -16.55	59.88 1.41 -20.53	59.88 1.55 -16.05	59.88 1.57 -17.32	60.84 1.96 -3.81	60.12 2.06 -5.40	61.30 1.81 -16.31	60.69 1.66 -22.03	60.29 1.85 -22.35	61.20 2.26 -22.23	60.11 1.82 -26.60	59.77 1.96 -20.88	58.67 1.85 -23.87	58.72 2.06 -20.72	59.58 2.00 -24.05	59.95 2.19 -20.84	77.12 2.95 -4.51	86.20 3.22 -8.04	106.80 3.80 -14.70	73.00 3.00 -10.61	61.56 2.69 -8.43	61.28 2.14 -18.39	60.50 1.97 -19.49
ARTHUR_KILL_3 23513	60.88 1.04 -13.49	60.36 0.86 -16.55	60.10 0.92 -21.24	59.54 1.02 -16.25	59.53 1.06 -17.48	59.46 1.29 -3.10	59.43 1.39 -5.39	61.24 1.37 -16.69	61.55 1.39 -23.16	61.15 1.56 -23.49	61.90 1.82 -23.36	61.04 1.39 -27.96	60.54 1.67 -21.94	58.88 1.55 -24.37	59.10 1.73 -21.42	60.45 1.65 -25.28	60.47 1.75 -21.81	76.69 2.50 -4.53	84.62 2.63 -7.05	91.42 3.13 0.00	65.33 2.28 -3.66	60.87 2.00 -8.43	60.72 1.58 -18.40	59.96 1.42 -19.50

ARTHUR_KILL_COGEN 323718	61.58 1.74 -13.48	61.07 1.57 -16.55	59.99 1.52 -20.53	59.98 1.66 -16.05	59.99 1.69 -17.32	60.98 2.11 -3.81	60.26 2.21 -5.40	61.43 1.94 -16.31	60.79 1.76 -22.03	60.38 1.93 -22.35	61.29 2.35 -22.23	60.20 1.91 -26.60	59.84 2.03 -20.88	58.73 1.91 -23.87	58.79 2.13 -20.72	59.65 2.07 -24.05	60.04 2.29 -20.84	77.31 3.14 -4.51	86.42 3.44 -8.04	107.06 4.07 -14.70	73.19 3.19 -10.61	61.71 2.84 -8.43	61.40 2.27 -18.39	60.61 2.07 -19.49
ASHOKAN____ 23654	49.31 2.96 0.00	45.61 2.67 0.00	40.33 2.39 0.00	44.94 2.66 0.00	43.70 2.71 0.00	58.75 3.68 0.00	56.29 3.63 0.00	46.13 2.96 0.00	39.71 2.71 0.00	38.70 2.61 0.00	38.91 2.20 0.00	33.49 1.80 0.00	38.89 1.96 0.00	34.75 1.80 0.00	37.99 2.04 0.00	35.65 2.12 0.00	39.57 2.66 0.00	75.02 5.37 0.00	80.99 6.05 0.00	95.46 7.17 0.00	64.23 4.84 0.00	54.42 3.97 0.00	43.84 3.09 0.00	41.87 2.83 0.00
ASTORIA_EAST_ENERGY_CC1 323581	47.63 1.28 0.00	44.08 1.13 0.00	39.14 1.20 0.00	43.44 1.16 0.00	42.20 1.21 0.00	56.52 1.45 0.00	54.25 1.59 0.00	44.74 1.57 0.00	38.51 1.51 0.00	37.91 1.81 0.00	38.77 2.06 0.00	33.27 1.58 0.00	38.76 1.83 0.00	34.66 1.71 0.00	37.86 1.91 0.00	35.38 1.86 0.00	38.85 1.94 0.00	72.41 2.75 0.00	77.91 2.97 0.00	92.04 3.75 0.00	62.06 2.67 0.00	52.79 2.34 0.00	42.61 1.86 0.00	40.69 1.65 0.00
ASTORIA_EAST_ENERGY_CC2 323582	47.63 1.28 0.00	44.08 1.13 0.00	39.14 1.20 0.00	43.44 1.16 0.00	42.20 1.21 0.00	56.52 1.45 0.00	54.25 1.59 0.00	44.74 1.57 0.00	38.51 1.51 0.00	37.91 1.81 0.00	38.77 2.06 0.00	33.27 1.58 0.00	38.76 1.83 0.00	34.66 1.70 0.00	37.86 1.91 0.00	35.38 1.86 0.00	38.85 1.94 0.00	72.41 2.75 0.00	77.91 2.97 0.00	92.04 3.75 0.00	62.06 2.67 0.00	52.79 2.34 0.00	42.61 1.86 0.00	40.69 1.65 0.00
ASTORIA_GT2_1 24094	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT2_2 24095	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT2_3 24096	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT2_4 24097	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT3_1 24098	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT3_2 24099	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT3_3 24100	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT3_4 24101	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT4_1 24102	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT4_2 24103	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT4_3 24104	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00

ASTORIA_GT4_4 24105	47.65 1.30 0.00	44.09 1.14 0.00	39.16 1.22 0.00	43.50 1.22 0.00	42.21 1.22 0.00	56.56 1.49 0.00	54.29 1.63 0.00	44.77 1.59 0.00	38.55 1.56 0.00	37.95 1.85 0.00	38.79 2.07 0.00	33.28 1.60 0.00	38.79 1.86 0.00	34.67 1.72 0.00	37.88 1.93 0.00	35.40 1.87 0.00	38.89 1.98 0.00	72.48 2.82 0.00	77.96 3.02 0.00	92.14 3.85 0.00	62.10 2.71 0.00	52.80 2.36 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA_GT_1 23523	47.73 1.38 0.00	44.17 1.22 0.00	39.21 1.27 0.00	43.51 1.23 0.00	42.27 1.28 0.00	56.63 1.56 0.00	54.35 1.69 0.00	44.83 1.65 0.00	38.59 1.59 0.00	37.98 1.88 0.00	38.85 2.13 0.00	33.33 1.64 0.00	38.83 1.90 0.00	34.72 1.77 0.00	37.94 1.99 0.00	35.45 1.92 0.00	38.93 2.02 0.00	72.55 2.90 0.00	78.08 3.14 0.00	92.25 3.96 0.00	62.19 2.80 0.00	52.90 2.46 0.00	42.70 1.95 0.00	40.78 1.74 0.00
ASTORIA_GT_10 24110	47.78 1.42 0.00	44.17 1.23 0.00	39.25 1.31 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.80 1.74 0.00	54.50 1.84 0.00	44.92 1.74 0.00	38.76 1.76 0.00	38.07 1.97 0.00	38.97 2.25 0.00	33.45 1.76 0.00	38.98 2.05 0.00	34.86 1.90 0.00	38.07 2.12 0.00	35.55 2.03 0.00	39.07 2.16 0.00	72.79 3.14 0.00	78.28 3.34 0.00	92.36 4.08 0.00	62.28 2.89 0.00	52.94 2.50 0.00	42.75 2.00 0.00	40.87 1.82 0.00
ASTORIA_GT_11 24225	47.78 1.42 0.00	44.17 1.23 0.00	39.25 1.31 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.80 1.74 0.00	54.50 1.84 0.00	44.92 1.74 0.00	38.76 1.76 0.00	38.07 1.97 0.00	38.97 2.25 0.00	33.45 1.76 0.00	38.98 2.05 0.00	34.86 1.90 0.00	38.07 2.12 0.00	35.55 2.03 0.00	39.07 2.16 0.00	72.79 3.14 0.00	78.28 3.34 0.00	92.36 4.08 0.00	62.28 2.89 0.00	52.94 2.50 0.00	42.75 2.00 0.00	40.87 1.82 0.00
ASTORIA_GT_12 24226	47.78 1.42 0.00	44.17 1.23 0.00	39.25 1.31 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.80 1.74 0.00	54.50 1.84 0.00	44.92 1.74 0.00	38.76 1.76 0.00	38.07 1.97 0.00	38.97 2.25 0.00	33.45 1.76 0.00	38.98 2.05 0.00	34.86 1.90 0.00	38.07 2.12 0.00	35.55 2.03 0.00	39.07 2.16 0.00	72.79 3.14 0.00	78.28 3.34 0.00	92.36 4.08 0.00	62.28 2.89 0.00	52.94 2.50 0.00	42.75 2.00 0.00	40.87 1.82 0.00
ASTORIA_GT_13 24227	47.78 1.42 0.00	44.17 1.23 0.00	39.25 1.31 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.80 1.74 0.00	54.50 1.84 0.00	44.92 1.74 0.00	38.76 1.76 0.00	38.07 1.97 0.00	38.97 2.25 0.00	33.45 1.76 0.00	38.98 2.05 0.00	34.86 1.90 0.00	38.07 2.12 0.00	35.55 2.03 0.00	39.07 2.16 0.00	72.79 3.14 0.00	78.28 3.34 0.00	92.36 4.08 0.00	62.28 2.89 0.00	52.94 2.50 0.00	42.75 2.00 0.00	40.87 1.82 0.00
ASTORIA_GT_5 24106	47.73 1.38 0.00	44.15 1.21 0.00	39.21 1.27 0.00	43.55 1.28 0.00	42.27 1.28 0.00	56.63 1.57 0.00	54.36 1.71 0.00	44.84 1.66 0.00	38.61 1.61 0.00	38.01 1.91 0.00	38.85 2.14 0.00	33.34 1.65 0.00	38.84 1.91 0.00	34.73 1.78 0.00	37.94 1.99 0.00	35.45 1.93 0.00	38.96 2.04 0.00	72.60 2.94 0.00	78.07 3.14 0.00	92.30 4.01 0.00	62.21 2.82 0.00	52.89 2.44 0.00	42.69 1.94 0.00	40.78 1.74 0.00
ASTORIA_GT_7 24107	47.73 1.38 0.00	44.15 1.21 0.00	39.21 1.27 0.00	43.55 1.28 0.00	42.27 1.28 0.00	56.63 1.57 0.00	54.36 1.71 0.00	44.84 1.66 0.00	38.61 1.61 0.00	38.01 1.91 0.00	38.85 2.14 0.00	33.34 1.65 0.00	38.84 1.91 0.00	34.73 1.78 0.00	37.94 1.99 0.00	35.45 1.93 0.00	38.96 2.04 0.00	72.60 2.94 0.00	78.07 3.14 0.00	92.30 4.01 0.00	62.21 2.82 0.00	52.89 2.44 0.00	42.69 1.94 0.00	40.78 1.74 0.00
ASTORIA_GT_8 24108	47.73 1.38 0.00	44.15 1.21 0.00	39.21 1.27 0.00	43.55 1.28 0.00	42.27 1.28 0.00	56.63 1.57 0.00	54.36 1.71 0.00	44.84 1.66 0.00	38.61 1.61 0.00	38.01 1.91 0.00	38.85 2.14 0.00	33.34 1.65 0.00	38.84 1.91 0.00	34.73 1.78 0.00	37.94 1.99 0.00	35.45 1.93 0.00	38.96 2.04 0.00	72.60 2.94 0.00	78.07 3.14 0.00	92.30 4.01 0.00	62.21 2.82 0.00	52.89 2.44 0.00	42.69 1.94 0.00	40.78 1.74 0.00
ASTORIA___2 24149	47.65 1.30 0.00	44.09 1.14 0.00	39.15 1.21 0.00	43.45 1.17 0.00	42.21 1.22 0.00	56.54 1.47 0.00	54.27 1.61 0.00	44.76 1.58 0.00	38.54 1.54 0.00	37.93 1.83 0.00	38.78 2.06 0.00	33.28 1.59 0.00	38.77 1.84 0.00	34.67 1.72 0.00	37.87 1.92 0.00	35.40 1.87 0.00	38.87 1.96 0.00	72.44 2.78 0.00	77.95 3.02 0.00	92.09 3.80 0.00	62.10 2.71 0.00	52.81 2.37 0.00	42.63 1.88 0.00	40.71 1.67 0.00
ASTORIA___3 23516	47.77 1.42 0.00	44.19 1.24 0.00	39.24 1.29 0.00	43.61 1.34 0.00	42.38 1.40 0.00	56.80 1.74 0.00	54.49 1.83 0.00	44.91 1.73 0.00	38.74 1.74 0.00	38.04 1.94 0.00	38.96 2.24 0.00	33.44 1.75 0.00	38.97 2.05 0.00	34.84 1.89 0.00	38.06 2.11 0.00	35.55 2.02 0.00	39.06 2.14 0.00	72.78 3.12 0.00	78.27 3.33 0.00	92.34 4.05 0.00	62.27 2.88 0.00	52.94 2.50 0.00	42.75 2.00 0.00	40.87 1.83 0.00
ASTORIA___4 23517	47.78 1.42 0.00	44.17 1.23 0.00	39.25 1.31 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.80 1.74 0.00	54.50 1.84 0.00	44.92 1.74 0.00	38.76 1.76 0.00	38.07 1.97 0.00	38.97 2.25 0.00	33.45 1.76 0.00	38.98 2.05 0.00	34.86 1.90 0.00	38.07 2.12 0.00	35.55 2.03 0.00	39.07 2.16 0.00	72.79 3.14 0.00	78.28 3.34 0.00	92.36 4.08 0.00	62.28 2.89 0.00	52.94 2.50 0.00	42.75 2.00 0.00	40.87 1.82 0.00
ASTORIA___5 23518	47.77 1.42 0.00	44.19 1.24 0.00	39.24 1.29 0.00	43.61 1.34 0.00	42.38 1.40 0.00	56.80 1.74 0.00	54.49 1.83 0.00	44.91 1.73 0.00	38.74 1.74 0.00	38.04 1.94 0.00	38.96 2.24 0.00	33.44 1.75 0.00	38.97 2.05 0.00	34.84 1.89 0.00	38.06 2.11 0.00	35.55 2.02 0.00	39.06 2.14 0.00	72.78 3.12 0.00	78.27 3.33 0.00	92.34 4.05 0.00	62.27 2.88 0.00	52.94 2.50 0.00	42.75 2.00 0.00	40.87 1.83 0.00
AST_ENERGY_2_CC3 323677	47.73 1.38 0.00	44.13 1.18 0.00	39.14 1.20 0.00	43.59 1.31 0.00	42.35 1.36 0.00	56.76 1.69 0.00	54.42 1.76 0.00	44.83 1.65 0.00	38.64 1.64 0.00	37.90 1.81 0.00	38.83 2.11 0.00	33.31 1.63 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.94 1.99 0.00	35.43 1.90 0.00	38.96 2.05 0.00	72.72 3.06 0.00	78.16 3.23 0.00	92.16 3.87 0.00	62.16 2.77 0.00	52.84 2.40 0.00	42.62 1.88 0.00	40.74 1.70 0.00
AST_ENERGY_2_CC4 323678	47.73 1.38 0.00	44.13 1.18 0.00	39.14 1.20 0.00	43.59 1.31 0.00	42.35 1.36 0.00	56.76 1.69 0.00	54.42 1.76 0.00	44.83 1.65 0.00	38.64 1.64 0.00	37.90 1.81 0.00	38.83 2.11 0.00	33.31 1.63 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.94 1.99 0.00	35.43 1.90 0.00	38.96 2.05 0.00	72.72 3.06 0.00	78.16 3.23 0.00	92.16 3.87 0.00	62.16 2.77 0.00	52.84 2.40 0.00	42.62 1.88 0.00	40.74 1.70 0.00

ATHENS_STG_1 23668	47.32 0.97 0.00	43.84 0.90 0.00	38.80 0.85 0.00	43.22 0.94 0.00	41.97 0.98 0.00	56.34 1.27 0.00	53.93 1.28 0.00	44.28 1.10 0.00	38.04 1.04 0.00	37.15 1.05 0.00	37.89 1.17 0.00	32.68 0.99 0.00	38.10 1.17 0.00	34.03 1.08 0.00	37.18 1.24 0.00	34.68 1.16 0.00	38.22 1.31 0.00	71.70 2.04 0.00	76.93 2.00 0.00	90.79 2.50 0.00	61.14 1.75 0.00	51.95 1.50 0.00	41.93 1.19 0.00	40.13 1.09 0.00
ATHENS_STG_2 23670	47.32 0.97 0.00	43.84 0.90 0.00	38.80 0.85 0.00	43.22 0.94 0.00	41.97 0.98 0.00	56.34 1.27 0.00	53.93 1.28 0.00	44.28 1.10 0.00	38.04 1.04 0.00	37.15 1.05 0.00	37.89 1.17 0.00	32.68 0.99 0.00	38.10 1.17 0.00	34.03 1.08 0.00	37.18 1.24 0.00	34.68 1.16 0.00	38.22 1.31 0.00	71.70 2.04 0.00	76.93 2.00 0.00	90.79 2.50 0.00	61.14 1.75 0.00	51.95 1.50 0.00	41.93 1.19 0.00	40.13 1.09 0.00
ATHENS_STG_3 23677	47.32 0.97 0.00	43.84 0.90 0.00	38.80 0.85 0.00	43.22 0.94 0.00	41.97 0.98 0.00	56.34 1.27 0.00	53.93 1.28 0.00	44.28 1.10 0.00	38.04 1.04 0.00	37.15 1.05 0.00	37.89 1.17 0.00	32.68 0.99 0.00	38.10 1.17 0.00	34.03 1.08 0.00	37.18 1.24 0.00	34.68 1.16 0.00	38.22 1.31 0.00	71.70 2.04 0.00	76.93 2.00 0.00	90.79 2.50 0.00	61.14 1.75 0.00	51.95 1.50 0.00	41.93 1.19 0.00	40.13 1.09 0.00
AUBURN___LFGE 323710	45.91 -0.44 0.00	42.44 -0.50 0.00	37.36 -0.58 0.00	41.84 -0.43 0.00	40.51 -0.48 0.00	54.60 -0.47 0.00	52.29 -0.37 0.00	42.91 -0.27 0.00	36.71 -0.29 0.00	35.68 -0.41 0.00	36.04 -0.68 0.00	31.04 -0.65 0.00	36.27 -0.66 0.00	32.26 -0.69 0.00	35.18 -0.77 0.00	32.80 -0.72 0.00	36.06 -0.85 0.00	68.87 -0.79 0.00	74.18 -0.75 0.00	87.62 -0.67 0.00	58.95 -0.44 0.00	49.62 -0.82 0.00	40.12 -0.63 0.00	38.48 -0.56 0.00
BABYLON_RES_REC 323704	48.43 2.08 0.00	44.65 1.70 0.00	39.51 1.57 0.00	44.01 1.73 0.00	42.93 1.94 0.00	57.97 2.91 0.00	55.45 2.80 0.00	45.66 2.48 0.00	39.04 2.04 0.00	37.81 1.72 0.00	38.92 2.21 0.00	33.21 1.52 0.00	38.54 1.61 0.00	34.43 1.48 0.00	37.71 1.76 0.00	35.42 1.89 0.00	39.30 2.38 0.00	73.51 3.85 0.00	79.07 4.13 0.00	93.20 4.91 0.00	62.84 3.45 0.00	53.59 3.15 0.00	43.12 2.37 0.00	41.24 2.20 0.00
BABYLON___69_KV_BK2 356345	48.84 2.48 0.00	44.99 2.04 0.00	39.83 1.89 0.00	44.36 2.08 0.00	43.30 2.31 0.00	58.55 3.49 0.00	56.03 3.37 0.00	46.11 2.93 0.00	39.37 2.37 0.00	38.12 2.02 0.00	39.22 2.50 0.00	33.42 1.73 0.00	38.80 1.87 0.00	34.65 1.70 0.00	37.97 2.02 0.00	35.70 2.17 0.00	39.66 2.74 0.00	74.27 4.61 0.00	79.88 4.94 0.00	94.18 5.89 0.00	63.44 4.05 0.00	54.12 3.68 0.00	43.52 2.77 0.00	41.62 2.58 0.00
BALL_HILL_WT_PWR 323825	43.52 -2.83 0.00	39.91 -2.81 0.23	30.99 -2.91 4.05	36.83 -2.89 2.55	37.73 -3.07 0.19	47.18 -3.28 4.60	42.97 -3.22 6.46	35.12 -2.79 5.27	30.00 -2.37 4.63	30.02 -1.95 4.13	30.41 -2.24 4.07	26.21 -1.78 3.70	30.57 -2.27 4.08	26.73 -2.24 3.98	29.16 -2.59 4.21	27.46 -2.22 3.85	30.18 -2.50 4.24	57.90 -4.18 7.57	62.72 -4.21 8.00	74.03 -5.22 9.04	52.21 -3.31 3.88	45.74 -3.58 1.12	37.95 -2.80 0.00	36.55 -2.49 0.00
BARON_WINDS___WT_PWR 323822	43.30 -3.05 0.00	36.83 -2.93 3.19	-22.13 -3.03 57.05	2.92 -3.35 36.01	34.74 -3.50 2.74	-14.35 -4.57 64.85	-42.55 -4.18 91.04	-																

BARRETT_IC_5 23708	48.09 1.74 0.00	44.39 1.44 0.00	39.27 1.33 0.00	43.73 1.46 0.00	42.61 1.61 0.00	57.35 2.28 0.00	54.86 2.20 0.00	45.11 1.93 0.00	38.67 1.67 0.00	37.67 1.58 0.00	38.78 2.06 0.00	33.13 1.44 0.00	38.55 1.63 0.00	34.47 1.52 0.00	37.72 1.77 0.00	35.36 1.83 0.00	39.05 2.14 0.00	72.85 3.20 0.00	78.16 3.22 0.00	92.23 3.94 0.00	62.29 2.90 0.00	53.15 2.71 0.00	42.83 2.08 0.00	40.95 1.91 0.00
BARRETT_IC_6 23709	48.09 1.74 0.00	44.39 1.44 0.00	39.27 1.33 0.00	43.73 1.46 0.00	42.61 1.61 0.00	57.35 2.28 0.00	54.86 2.20 0.00	45.11 1.93 0.00	38.67 1.67 0.00	37.67 1.58 0.00	38.78 2.06 0.00	33.13 1.44 0.00	38.55 1.63 0.00	34.47 1.52 0.00	37.72 1.77 0.00	35.36 1.83 0.00	39.05 2.14 0.00	72.85 3.20 0.00	78.16 3.22 0.00	92.23 3.94 0.00	62.29 2.90 0.00	53.15 2.71 0.00	42.83 2.08 0.00	40.95 1.91 0.00
BARRETT_IC_7 23710	48.09 1.74 0.00	44.39 1.45 0.00	39.28 1.34 0.00	43.75 1.47 0.00	42.60 1.61 0.00	57.35 2.28 0.00	54.86 2.21 0.00	45.12 1.94 0.00	38.68 1.68 0.00	37.69 1.59 0.00	38.78 2.07 0.00	33.14 1.45 0.00	38.56 1.63 0.00	34.48 1.53 0.00	37.73 1.78 0.00	35.36 1.83 0.00	39.06 2.15 0.00	72.85 3.20 0.00	78.16 3.22 0.00	92.25 3.96 0.00	62.29 2.90 0.00	53.15 2.70 0.00	42.83 2.08 0.00	40.96 1.91 0.00
BARRETT_IC_8 23711	48.09 1.74 0.00	44.39 1.44 0.00	39.27 1.33 0.00	43.73 1.46 0.00	42.61 1.61 0.00	57.35 2.28 0.00	54.86 2.20 0.00	45.11 1.93 0.00	38.67 1.67 0.00	37.67 1.58 0.00	38.78 2.06 0.00	33.13 1.44 0.00	38.55 1.63 0.00	34.47 1.52 0.00	37.72 1.77 0.00	35.36 1.83 0.00	39.05 2.14 0.00	72.85 3.20 0.00	78.16 3.22 0.00	92.23 3.94 0.00	62.29 2.90 0.00	53.15 2.71 0.00	42.83 2.08 0.00	40.95 1.91 0.00
BARRETT_IC_9 23700	48.09 1.74 0.00	44.39 1.44 0.00	39.27 1.33 0.00	43.73 1.46 0.00	42.61 1.61 0.00	57.35 2.28 0.00	54.86 2.20 0.00	45.11 1.93 0.00	38.67 1.67 0.00	37.67 1.58 0.00	38.78 2.06 0.00	33.13 1.44 0.00	38.55 1.63 0.00	34.47 1.52 0.00	37.72 1.77 0.00	35.36 1.83 0.00	39.05 2.14 0.00	72.85 3.20 0.00	78.16 3.22 0.00	92.23 3.94 0.00	62.29 2.90 0.00	53.15 2.71 0.00	42.83 2.08 0.00	40.95 1.91 0.00
BARRETT___1 23545	48.09 1.74 0.00	44.39 1.44 0.00	39.27 1.33 0.00	43.73 1.46 0.00	42.61 1.61 0.00	57.35 2.28 0.00	54.86 2.20 0.00	45.11 1.93 0.00	38.67 1.67 0.00	37.67 1.58 0.00	38.78 2.06 0.00	33.13 1.44 0.00	38.55 1.63 0.00	34.47 1.52 0.00	37.72 1.77 0.00	35.36 1.83 0.00	39.05 2.14 0.00	72.85 3.20 0.00	78.16 3.22 0.00	92.23 3.94 0.00	62.29 2.90 0.00	53.15 2.71 0.00	42.83 2.08 0.00	40.95 1.91 0.00
BARRETT___2 23546	48.09 1.74 0.00	44.39 1.44 0.00	39.27 1.33 0.00	43.73 1.46 0.00	42.61 1.61 0.00	57.35 2.28 0.00	54.86 2.20 0.00	45.11 1.93 0.00	38.67 1.67 0.00	37.67 1.58 0.00	38.78 2.06 0.00	33.13 1.44 0.00	38.55 1.63 0.00	34.47 1.52 0.00	37.72 1.77 0.00	35.36 1.83 0.00	39.05 2.14 0.00	72.85 3.20 0.00	78.16 3.22 0.00	92.23 3.94 0.00	62.29 2.90 0.00	53.15 2.71 0.00	42.83 2.08 0.00	40.95 1.91 0.00
BATAVIA___115KV_TB1 55881	44.19 -2.16 0.00	40.67 -2.04 0.24	31.52 -2.07 4.35	37.41 -2.12 2.75	38.53 -2.26 0.21	47.65 -2.47 4.95	43.36 -2.36 6.94	35.63 -1.89 5.66	30.16 -1.86 4.98	29.85 -1.81 4.44	30.05 -2.30 4.37	26.60 -1.11 3.98	30.26 -2.28 4.39	26.31 -2.37 4.27	28.84 -2.59 4.52	27.25 -2.13 4.14	30.19 -2.17 4.55	58.47 -3.05 8.14	63.72 -2.62 8.60	75.07 -3.51 9.71	52.83 -2.40 4.17	46.56 -2.68 1.21	38.79 -1.96 0.00	37.36 -1.68 0.00
BAYONEEC___CTG1 323682	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BAYONEEC___CTG10 323750	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BAYONEEC___CTG2 323683	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BAYONEEC___CTG3 323684	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BAYONEEC___CTG4 323685	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BAYONEEC___CTG5 323686	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BAYONEEC___CTG6 323687	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00

BAYONEEC___CTG7 323688	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BAYONEEC___CTG8 323689	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BAYONEEC___CTG9 323749	47.64 1.28 0.00	44.04 1.09 0.00	39.06 1.12 0.00	43.50 1.23 0.00	42.26 1.27 0.00	56.65 1.58 0.00	54.32 1.66 0.00	44.75 1.57 0.00	38.56 1.56 0.00	37.83 1.74 0.00	38.73 2.01 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.34 1.82 0.00	38.87 1.95 0.00	72.54 2.89 0.00	77.98 3.04 0.00	91.95 3.66 0.00	62.00 2.62 0.00	52.72 2.28 0.00	42.54 1.79 0.00	40.66 1.62 0.00
BEACON___LESR 323632	48.29 1.94 0.00	44.71 1.76 0.00	39.48 1.54 0.00	43.96 1.68 0.00	42.74 1.75 0.00	57.50 2.43 0.00	54.94 2.28 0.00	45.06 1.88 0.00	38.74 1.73 0.00	37.78 1.68 0.00	38.39 1.67 0.00	33.17 1.48 0.00	38.64 1.71 0.00	34.48 1.53 0.00	37.66 1.71 0.00	35.24 1.71 0.00	38.98 2.06 0.00	73.38 3.73 0.00	78.71 3.78 0.00	92.84 4.55 0.00	62.43 3.04 0.00	52.98 2.54 0.00	42.73 1.99 0.00	40.87 1.83 0.00
BEAVER RIVER___HYD 24048	45.54 -0.81 0.00	42.14 -0.81 0.00	37.30 -0.64 0.00	41.68 -0.60 0.00	40.73 -0.26 0.00	54.38 -0.69 0.00	51.60 -1.06 0.00	43.72 -0.99 -1.53	37.46 -1.41 -1.87	37.72 -1.82 -3.45	42.53 -2.03 -7.84	41.13 -1.89 -11.33	47.08 -2.24 -12.40	42.49 -2.03 -11.56	45.83 -2.21 -12.09	43.14 -2.04 -11.65	47.41 -1.87 -12.37	87.43 -1.72 -19.50	94.81 -0.83 -20.70	110.85 -1.00 -23.56	75.94 -0.76 -17.30	64.58 -0.65 -14.79	45.64 -0.68 -5.57	38.40 -0.73 -0.09
BEEBEE_GT_13 23619	44.20 -2.16 0.00	40.93 -2.01 0.00	36.02 -1.92 0.00	40.29 -1.99 0.00	38.89 -2.10 0.00	52.66 -2.41 0.00	50.36 -2.30 0.00	41.35 -1.82 0.00	35.32 -1.68 0.00	34.56 -1.53 0.00	34.94 -1.78 0.00	30.13 -1.56 0.00	35.10 -1.83 0.00	31.23 -1.72 0.00	34.01 -1.94 0.00	31.88 -1.65 0.00	35.14 -1.77 0.00	66.84 -2.82 0.00	72.14 -2.80 0.00	84.66 -3.63 0.00	56.90 -2.49 0.00	47.83 -2.61 0.00	38.73 -2.02 0.00	37.26 -1.78 0.00
BENSHRST_27_KV_BENSHRST_1 355998	61.82 1.99 -13.48	61.25 1.75 -16.55	60.17 1.70 -20.53	60.16 1.84 -16.05	60.15 1.84 -17.32	61.22 2.34 -3.81	60.50 2.44 -5.40	61.71 2.22 -16.31	61.16 2.12 -22.03	60.78 2.33 -22.35	61.62 2.68 -22.23	60.45 2.16 -26.60	60.26 2.45 -20.88	59.09 2.28 -23.87	59.18 2.51 -20.72	59.99 2.41 -24.05	60.39 2.64 -20.84	78.14 3.98 -4.51	87.25 4.26 -8.05	108.11 5.12 -14.70	73.71 3.71 -10.61	62.07 3.20 -8.43	61.69 2.56 -18.39	60.88 2.34 -19.49
BETHLEHEM___GRP 23843	47.81 1.46 0.00	44.29 1.35 0.00	39.19 1.24 0.00	43.63 1.36 0.00	42.39 1.40 0.00	56.93 1.87 0.00	54.45 1.79 0.00	44.65 1.47 0.00	38.37 1.37 0.00	37.42 1.32 0.00	38.10 1.38 0.00	32.90 1.21 0.00	38.33 1.40 0.00	34.24 1.29 0.00	37.41 1.46 0.00	34.95 1.42 0.00	38.55 1.63 0.00	72.34 2.68 0.00	77.59 2.65 0.00	91.59 3.30 0.00	61.62 2.23 0.00	52.36 1.91 0.00	42.29 1.54 0.00	40.48 1.44 0.00
BETHLEHEM___GS1 323560	47.81 1.46 0.00	44.29 1.35 0.00	39.17 1.24 0.00	43.63 1.36 0.00	42.40 1.41 0.00	56.93 1.87 0.00	54.45 1.79 0.00	44.64 1.46 0.00	38.37 1.37 0.00	37.41 1.32 0.00	38.10 1.38 0.00	32.89 1.20 0.00	38.32 1.40 0.00	34.24 1.29 0.00	37.42 1.47 0.00	34.94 1.41 0.00	38.55 1.64 0.00	72.34 2.68 0.00	77.58 2.65 0.00	91.58 3.29 0.00	61.62 2.23 0.00	52.36 1.92 0.00	42.29 1.54 0.00	40.48 1.43 0.00
BETHLEHEM___GS2 323561	47.81 1.46 0.00	44.29 1.35 0.00	39.17 1.24 0.00	43.63 1.36 0.00	42.40 1.41 0.00	56.93 1.87 0.00	54.45 1.79 0.00	44.64 1.46 0.00	38.37 1.37 0.00	37.41 1.32 0.00	38.10 1.38 0.00	32.89 1.20 0.00	38.32 1.40 0.00	34.24 1.29 0.00	37.42 1.47 0.00	34.94 1.41 0.00	38.55 1.64 0.00	72.34 2.68 0.00	77.58 2.65 0.00	91.58 3.29 0.00	61.62 2.23 0.00	52.36 1.92 0.00	42.29 1.54 0.00	40.48 1.43 0.00
BETHLEHEM___GS3 323562	47.81 1.46 0.00	44.29 1.35 0.00	39.17 1.24 0.00	43.63 1.36 0.00	42.40 1.41 0.00	56.93 1.87 0.00	54.45 1.79 0.00	44.64 1.46 0.00	38.37 1.37 0.00	37.41 1.32 0.00	38.10 1.38 0.00	32.89 1.20 0.00	38.32 1.40 0.00	34.24 1.29 0.00	37.42 1.47 0.00	34.94 1.41 0.00	38.55 1.64 0.00	72.34 2.68 0.00	77.58 2.65 0.00	91.58 3.29 0.00	61.62 2.23 0.00	52.36 1.92 0.00	42.29 1.54 0.00	40.48 1.43 0.00
BETHLEHEM___STEEL 23779	43.61 -2.74 0.00	40.09 -2.62 0.24	30.93 -2.73 4.28	36.79 -2.78 2.70	37.87 -2.91 0.21	46.87 -3.33 4.87	42.56 -3.26 6.83	34.93 -2.68 5.57	29.72 -2.38 4.90	29.65 -2.08 4.37	30.07 -2.34 4.30	25.98 -1.79 3.92	30.31 -2.30 4.32	26.54 -2.21 4.21	29.01 -2.49 4.45	27.37 -2.08 4.08	30.07 -2.36 4.48	57.65 -3.99 8.01	62.45 -4.01 8.47	73.51 -5.21 9.56	51.92 -3.37 4.10	45.73 -3.52 1.19	38.12 -2.62 0.00	36.79 -2.25 0.00
BETHLHEM_115KV_TB1 79974	47.72 1.37 0.00	44.22 1.27 0.00	39.12 1.18 0.00	43.55 1.28 0.00	42.32 1.33 0.00	56.83 1.76 0.00	54.35 1.69 0.00	44.57 1.39 0.00	38.31 1.31 0.00	37.35 1.26 0.00	38.03 1.32 0.00	32.83 1.15 0.00	38.26 1.33 0.00	34.18 1.23 0.00	37.34 1.39 0.00	34.87 1.34 0.00	38.47 1.56 0.00	72.20 2.55 0.00	77.44 2.50 0.00	91.42 3.14 0.00	61.52 2.13 0.00	52.26 1.82 0.00	42.22 1.46 0.00	40.41 1.37 0.00
BETHPAGE_CC_5 323564	48.41 2.06 0.00	44.65 1.71 0.00	39.50 1.56 0.00	44.00 1.72 0.00	42.90 1.91 0.00	57.88 2.81 0.00	55.37 2.71 0.00	45.58 2.40 0.00	39.02 2.01 0.00	37.89 1.80 0.00	38.97 2.26 0.00	33.27 1.58 0.00	38.68 1.75 0.00	34.56 1.62 0.00	37.84 1.89 0.00	35.49 1.96 0.00	39.29 2.38 0.00	73.38 3.72 0.00	78.86 3.93 0.00	93.01 4.72 0.00	62.68 3.29 0.00	53.46 3.01 0.00	43.03 2.28 0.00	41.15 2.11 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	43.82 -2.53 0.00	40.28 -2.44 0.22	31.34 -2.62 3.98	37.12 -2.65 2.51	38.03 -2.77 0.19	47.40 -3.15 4.53	43.22 -3.09 6.35	35.45 -2.54 5.18	30.22 -2.23 4.56	30.10 -1.94 4.06	30.49 -2.23 4.00	26.36 -1.69 3.64	30.75 -2.17 4.02	26.94 -2.10 3.91	29.46 -2.36 4.14	27.77 -1.96 3.79	30.51 -2.23 4.17	58.47 -3.73 7.45	63.35 -3.71 7.87	74.55 -4.86 8.89	52.47 -3.11 3.81	46.05 -3.29 1.10	38.32 -2.43 0.00	36.96 -2.08 0.00

BINGHAMTON___COGEN 23790	45.74 -0.61 0.00	42.28 -0.67 0.00	37.21 -0.72 0.00	41.61 -0.67 0.00	40.27 -0.72 0.00	54.19 -0.87 0.00	51.88 -0.77 0.00	42.53 -0.65 0.00	36.49 -0.51 0.00	35.67 -0.43 0.00	36.09 -0.63 0.00	31.20 -0.48 0.00	36.42 -0.51 0.00	32.46 -0.49 0.00	35.35 -0.60 0.00	32.92 -0.60 0.00	36.27 -0.64 0.00	68.79 -0.86 0.00	74.14 -0.80 0.00	87.24 -1.05 0.00	58.75 -0.64 0.00	49.63 -0.81 0.00	40.07 -0.68 0.00	38.40 -0.64 0.00
BIXINCNT_115KV_LOAD 355685	44.24 -2.11 0.00	40.46 -2.37 0.12	32.62 -3.13 2.19	37.78 -3.12 1.38	37.66 -3.22 0.10	49.00 -3.59 2.48	45.79 -3.39 3.48	37.24 -3.10 2.84	32.30 -2.21 2.50	31.92 -1.94 2.23	32.06 -2.46 2.20	27.74 -1.95 2.00	32.32 -2.41 2.20	28.40 -2.41 2.15	30.93 -2.75 2.27	29.00 -2.45 2.08	31.91 -2.71 2.29	61.06 -4.51 4.09	66.38 -4.24 4.32	78.17 -5.25 4.88	54.29 -3.01 2.09	46.89 -2.95 0.61	38.65 -2.10 0.00	37.11 -1.93 0.00
BLACK RIVER___HYD 24047	45.38 -0.98 0.00	41.92 -1.03 0.00	37.14 -0.79 0.00	41.59 -0.69 0.00	40.74 -0.25 0.00	54.47 -0.60 0.00	51.65 -1.01 0.00	43.24 -1.00 -1.06	36.61 -1.69 -1.30	36.22 -2.27 -2.39	39.65 -2.51 -5.44	37.23 -2.33 -7.86	42.77 -2.76 -8.60	38.49 -2.49 -8.02	41.58 -2.76 -8.39	39.03 -2.59 -8.09	43.14 -2.36 -8.58	81.25 -1.94 -13.53	88.67 -0.64 -14.37	103.91 -0.73 -16.35	70.82 -0.58 -12.01	60.02 -0.68 -10.26	43.88 -0.74 -3.87	38.27 -0.84 -0.06
BLACKRVR_115KV_TB2 79977	45.38 -0.97 0.00	41.92 -1.03 0.00	37.14 -0.80 0.00	41.59 -0.69 0.00	40.74 -0.25 0.00	54.47 -0.60 0.00	51.65 -1.01 0.00	43.24 -1.00 -1.06	36.60 -1.70 -1.30	36.21 -2.27 -2.39	39.65 -2.51 -5.44	37.22 -2.33 -7.86	42.77 -2.76 -8.60	38.49 -2.49 -8.02	41.58 -2.76 -8.39	39.03 -2.59 -8.09	43.14 -2.36 -8.58	81.25 -1.94 -13.53	88.67 -0.64 -14.37	103.90 -0.74 -16.35	70.82 -0.58 -12.01	60.02 -0.68 -10.26	43.88 -0.74 -3.87	38.27 -0.84 -0.06
BLISS_WT_PWR 323608	44.09 -2.26 0.00	40.22 -2.60 0.12	32.31 -3.44 2.19	37.43 -3.46 1.38	37.30 -3.59 0.10	48.60 -3.98 2.48	45.48 -3.69 3.48	36.91 -3.43 2.84	32.16 -2.34 2.50	31.83 -2.04 2.23	31.89 -2.63 2.20	27.56 -2.13 2.00	32.10 -2.62 2.20	28.18 -2.63 2.15	30.69 -2.99 2.27	28.73 -2.71 2.08	31.68 -2.95 2.29	60.56 -5.01 4.09	65.92 -4.70 4.32	77.73 -5.68 4.88	54.01 -3.29 2.09	46.72 -3.12 0.61	38.53 -2.23 0.00	36.96 -2.09 0.00
BLUESTONE___WT_PWR 323821	46.81 0.46 0.00	42.87 -0.08 0.00	37.62 -0.33 0.00	42.71 0.43 0.00	41.22 0.23 0.00	53.65 -1.42 0.00	51.25 -1.41 0.00	41.62 -1.56 0.00	35.55 -1.45 0.00	34.49 -1.61 0.00	34.91 -1.81 0.00	30.02 -1.67 0.00	35.02 -1.91 0.00	31.15 -1.80 0.00	33.94 -2.02 0.00	31.72 -1.81 0.00	35.28 -1.63 0.00	67.56 -2.10 0.00	72.94 -2.00 0.00	86.08 -2.21 0.00	58.18 -1.21 0.00	49.09 -1.36 0.00	39.62 -1.13 0.00	37.95 -1.09 0.00
BLUE_CIRC_CHEM_DRP 24182	47.85 1.50 0.00	44.34 1.39 0.00	39.23 1.29 0.00	43.69 1.41 0.00	42.44 1.45 0.00	57.00 1.94 0.00	54.51 1.86 0.00	44.63 1.45 0.00	38.22 1.22 0.00	37.25 1.16 0.00	37.88 1.17 0.00	32.72 1.03 0.00	38.08 1.15 0.00	33.99 1.04 0.00	37.14 1.20 0.00	34.67 1.14 0.00	38.40 1.48 0.00	72.33 2.67 0.00	77.65 2.71 0.00	91.62 3.33 0.00	61.66 2.27 0.00	52.39 1.95 0.00	42.30 1.55 0.00	40.50 1.46 0.00
BOC_GAS_DRP 24189	47.33 0.98 0.00	43.86 0.91 0.00	38.79 0.85 0.00	43.21 0.93 0.00	41.97 0.98 0.00	56.34 1.27 0.00	53.90 1.25 0.00	44.21 1.03 0.00	37.98 0.98 0.00	37.06 0.97 0.00	37.76 1.04 0.00	32.59 0.90 0.00	37.97 1.04 0.00	33.92 0.97 0.00	37.06 1.11 0.00	34.58 1.05 0.00	38.11 1.20 0.00	71.54 1.89 0.00	76.77 1.83 0.00	90.62 2.33 0.00	60.99 1.60 0.00	51.81 1.37 0.00	41.84 1.09 0.00	40.07 1.03 0.00
BOONVILLE_115KV_TB1 79983	46.64 0.28 0.00	43.18 0.24 0.00	38.18 0.24 0.00	42.60 0.32 0.00	41.45 0.46 0.00	55.58 0.51 0.00	53.04 0.38 0.00	43.86 0.27 -0.41	37.51 0.01 -0.50	36.81 -0.22 -0.93	38.46 -0.36 -2.11	34.33 -0.40 -3.05	39.82 -0.44 -3.33	35.62 -0.44 -3.11	38.78 -0.42 -3.25	36.34 -0.32 -3.13	40.18 -0.05 -3.32	75.55 0.66 -5.24	81.57 1.06 -5.57	95.80 1.18 -6.33	64.74 0.70 -4.65	54.95 0.53 -3.98	42.56 0.31 -1.50	39.31 0.24 -0.02
BORALEX_4TH_BRANCH 23824	48.51 2.16 0.00	45.00 2.05 0.00	39.82 1.88 0.00	44.28 2.00 0.00	43.12 2.13 0.00	57.93 2.87 0.00	55.41 2.76 0.00	45.32 2.15 0.00	39.00 2.00 0.00	37.99 1.90 0.00	38.74 2.03 0.00	33.49 1.81 0.00	39.00 2.07 0.00	34.82 1.87 0.00	38.17 2.22 0.00	35.77 2.24 0.00	39.33 2.42 0.00	73.34 3.68 0.00	78.35 3.41 0.00	92.70 4.42 0.00	62.33 2.94 0.00	53.11 2.67 0.00	42.88 2.13 0.00	41.13 2.09 0.00
BOWLINE___1 23526	47.26 0.91 0.00	43.75 0.80 0.00	38.70 0.76 0.00	43.15 0.87 0.00	41.89 0.90 0.00	56.23 1.16 0.00	53.88 1.22 0.00	44.30 1.12 0.00	38.06 1.06 0.00	37.28 1.18 0.00	38.12 1.40 0.00	32.74 1.05 0.00	38.17 1.25 0.00	34.15 1.20 0.00	37.30 1.35 0.00	34.81 1.29 0.00	38.34 1.43 0.00	71.81 2.16 0.00	77.23 2.29 0.00	90.96 2.67 0.00	61.29 1.91 0.00	52.11 1.66 0.00	42.04 1.30 0.00	40.23 1.19 0.00
BOWLINE___2 23595	47.26 0.91 0.00	43.75 0.80 0.00	38.70 0.76 0.00	43.15 0.87 0.00	41.89 0.90 0.00	56.23 1.16 0.00	53.88 1.22 0.00	44.30 1.13 0.00	38.07 1.07 0.00	37.29 1.19 0.00	38.12 1.40 0.00	32.75 1.06 0.00	38.19 1.26 0.00	34.15 1.20 0.00	37.30 1.35 0.00	34.81 1.29 0.00	38.35 1.43 0.00	71.83 2.17 0.00	77.23 2.29 0.00	90.98 2.69 0.00	61.30 1.91 0.00	52.11 1.67 0.00	42.06 1.31 0.00	40.23 1.19 0.00
BRADY___115KV_TB2 356060	47.80 1.45 0.00	44.30 1.35 0.00	39.05 1.11 0.00	43.43 1.15 0.00	42.08 1.09 0.00	56.41 1.35 0.00	53.83 1.18 0.00	46.70 0.81 -2.71	40.52 0.19 -3.33	42.25 0.02 -6.14	50.67 0.00 -13.95	51.82 -0.03 -20.16	58.91 -0.08 -22.06	53.45 -0.08 -20.58	57.28 -0.13 -21.46	54.18 -0.08 -20.74	58.83 -0.09 -22.01	105.43 1.07 -34.70	113.67 1.89 -36.84	132.28 2.07 -41.92	91.63 1.46 -30.79	78.20 1.45 -26.32	51.86 1.19 -9.92	40.38 1.18 -0.15
BRANSCOMB___SOLAR 323811	48.79 2.44 0.00	45.23 2.29 0.00	39.97 2.04 0.00	44.49 2.21 0.00	43.26 2.27 0.00	58.20 3.14 0.00	55.71 3.05 0.00	45.59 2.41 0.00	39.06 2.06 0.00	37.84 1.75 0.00	38.41 1.69 0.00	33.23 1.54 0.00	38.79 1.86 0.00	34.60 1.65 0.00	37.87 1.91 0.00	35.44 1.91 0.00	39.17 2.26 0.00	73.90 4.25 0.00	79.36 4.42 0.00	93.69 5.40 0.00	62.97 3.58 0.00	53.38 2.94 0.00	43.06 2.31 0.00	41.27 2.23 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	48.62 2.26 0.00	44.81 1.87 0.00	39.66 1.72 0.00	44.18 1.90 0.00	43.14 2.15 0.00	58.35 3.28 0.00	55.80 3.14 0.00	45.95 2.77 0.00	39.22 2.22 0.00	37.99 1.89 0.00	39.08 2.36 0.00	33.26 1.58 0.00	38.63 1.70 0.00	34.53 1.58 0.00	37.85 1.90 0.00	35.56 2.04 0.00	39.51 2.59 0.00	73.91 4.25 0.00	79.36 4.43 0.00	93.57 5.28 0.00	63.03 3.64 0.00	53.82 3.37 0.00	43.27 2.52 0.00	41.43 2.39 0.00

BRISTLHL_115KV_TB1 79998	44.79 -1.56 0.00	41.47 -1.48 0.00	36.65 -1.29 0.00	40.93 -1.35 0.00	39.64 -1.35 0.00	53.35 -1.71 0.00	51.05 -1.60 0.00	41.86 -1.32 0.00	35.84 -1.16 0.00	35.00 -1.10 0.00	35.52 -1.20 0.00	30.63 -1.06 0.00	35.71 -1.22 0.00	31.84 -1.11 0.00	34.71 -1.24 0.00	32.32 -1.20 0.00	35.57 -1.35 0.00	67.30 -2.35 0.00	72.50 -2.43 0.00	85.33 -2.96 0.00	57.36 -2.03 0.00	48.52 -1.92 0.00	39.17 -1.59 0.00	37.54 -1.50 0.00
BROOKHAVEN___DRP 24191	48.07 1.72 0.00	44.25 1.30 0.00	39.16 1.22 0.00	43.66 1.39 0.00	42.84 1.85 0.00	58.38 3.31 0.00	55.76 3.11 0.00	45.86 2.68 0.00	38.80 1.80 0.00	37.42 1.33 0.00	38.41 1.70 0.00	32.69 1.00 0.00	37.91 0.98 0.00	33.91 0.96 0.00	37.18 1.23 0.00	35.01 1.48 0.00	39.06 2.15 0.00	72.83 3.18 0.00	78.35 3.42 0.00	92.38 4.09 0.00	62.23 2.84 0.00	53.28 2.83 0.00	42.72 1.97 0.00	40.86 1.82 0.00
BROOKLYN_NAVY_YARD 23515	47.63 1.28 0.00	44.03 1.08 0.00	39.06 1.12 0.00	43.49 1.22 0.00	42.25 1.26 0.00	56.59 1.53 0.00	54.28 1.62 0.00	44.74 1.56 0.00	38.56 1.56 0.00	37.85 1.76 0.00	38.77 2.05 0.00	33.27 1.58 0.00	38.81 1.88 0.00	34.70 1.75 0.00	37.89 1.94 0.00	35.36 1.83 0.00	38.89 1.98 0.00	72.54 2.88 0.00	77.94 3.01 0.00	91.90 3.61 0.00	62.00 2.61 0.00	52.70 2.25 0.00	42.50 1.75 0.00	40.63 1.59 0.00
BROOKLYN___ARMY_DRP 323595	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
BROOKVLE_69_KV_TB1 55790	48.53 2.18 0.00	44.77 1.82 0.00	39.62 1.68 0.00	44.12 1.84 0.00	42.98 1.99 0.00	57.91 2.84 0.00	55.45 2.80 0.00	45.62 2.44 0.00	39.11 2.11 0.00	38.05 1.96 0.00	39.12 2.40 0.00	33.42 1.73 0.00	38.88 1.95 0.00	34.76 1.81 0.00	38.06 2.10 0.00	35.67 2.14 0.00	39.45 2.54 0.00	73.73 4.07 0.00	79.24 4.31 0.00	93.42 5.13 0.00	63.01 3.62 0.00	53.66 3.22 0.00	43.23 2.49 0.00	41.32 2.27 0.00
BROOME_2_LFGE 323671	45.74 -0.61 0.00	42.27 -0.68 0.00	37.22 -0.72 0.00	41.61 -0.67 0.00	40.27 -0.72 0.00	54.20 -0.87 0.00	51.88 -0.78 0.00	42.53 -0.65 0.00	36.49 -0.51 0.00	35.68 -0.42 0.00	36.10 -0.62 0.00	31.21 -0.48 0.00	36.42 -0.51 0.00	32.47 -0.49 0.00	35.35 -0.60 0.00	32.93 -0.60 0.00	36.28 -0.63 0.00	68.79 -0.87 0.00	74.14 -0.80 0.00	87.27 -1.02 0.00	58.74 -0.64 0.00	49.63 -0.81 0.00	40.06 -0.69 0.00	38.40 -0.64 0.00
BROOME___LFGE 323600	45.74 -0.61 0.00	42.27 -0.68 0.00	37.22 -0.72 0.00	41.61 -0.67 0.00	40.27 -0.72 0.00	54.20 -0.87 0.00	51.88 -0.78 0.00	42.53 -0.65 0.00	36.49 -0.51 0.00	35.68 -0.42 0.00	36.10 -0.62 0.00	31.21 -0.48 0.00	36.42 -0.51 0.00	32.47 -0.49 0.00	35.35 -0.60 0.00	32.93 -0.60 0.00	36.28 -0.63 0.00	68.79 -0.87 0.00	74.14 -0.80 0.00	87.27 -1.02 0.00	58.74 -0.64 0.00	49.63 -0.81 0.00	40.06 -0.69 0.00	38.40 -0.64 0.00
BROWNFLS_115KV_TB_3_5 80003	46.01 -0.34 0.00	42.60 -0.34 0.00	37.65 -0.29 0.00	41.97 -0.31 0.00	40.89 -0.10 0.00	54.54 -0.53 0.00	51.80 -0.86 0.00	45.25 -0.81 -2.88	39.35 -1.18 -3.53	41.13 -1.48 -6.50	49.91 -1.60 -14.79	51.61 -1.46 -21.38	58.56 -1.75 -23.39	53.22 -1.55 -21.81	57.05 -1.71 -22.81	53.95 -1.57 -21.99	58.71 -1.54 -23.33	105.02 -1.43 -36.79	113.31 -0.69 -39.06	131.85 -0.89 -44.44	91.48 -0.55 -32.64	78.05 -0.29 -27.90	50.95 -0.32 -10.51	38.87 -0.33 -0.16
BROWNSV1_27_KV_LOAD 356125	48.15 1.80 0.00	44.49 1.55 0.00	39.47 1.53 0.00	43.96 1.68 0.00	42.68 1.69 0.00	57.24 2.17 0.00	54.90 2.24 0.00	45.22 2.05 0.00	38.98 1.98 0.00	38.24 2.14 0.00	39.16 2.44 0.00	33.60 1.91 0.00	39.20 2.27 0.00	35.04 2.09 0.00	38.27 2.32 0.00	35.74 2.22 0.00	39.32 2.40 0.00	73.42 3.77 0.00	78.94 4.01 0.00	93.10 4.82 0.00	62.77 3.38 0.00	53.34 2.90 0.00	43.03 2.28 0.00	41.12 2.07 0.00
BURROWS___LYONSDAL 23803	46.26 -0.10 0.00	42.83 -0.12 0.00	37.89 -0.05 0.00	42.29 0.02 0.00	41.20 0.21 0.00	55.18 0.11 0.00	52.57 -0.08 0.00	43.68 -0.13 -0.63	37.36 -0.41 -0.77	36.85 -0.67 -1.42	39.11 -0.84 -3.23	35.52 -0.84 -4.67	41.08 -0.96 -5.11	36.82 -0.90 -4.77	40.01 -0.93 -4.99	37.52 -0.82 -4.80	41.44 -0.57 -5.10	77.60 -0.09 -8.04	83.88 0.41 -8.54	98.44 0.43 -9.71	66.71 0.19 -7.13	56.64 0.10 -6.10	43.00 -0.05 -2.30	38.98 -0.10 -0.04
CAITHNESS_CC_1 323624	48.07 1.72 0.00	44.26 1.32 0.00	39.17 1.23 0.00	43.66 1.38 0.00	42.79 1.80 0.00	58.20 3.13 0.00	55.60 2.94 0.00	45.73 2.55 0.00	38.79 1.79 0.00	37.45 1.36 0.00	38.46 1.75 0.00	32.73 1.04 0.00	38.00 1.07 0.00	33.98 1.03 0.00	37.25 1.30 0.00	35.05 1.53 0.00	39.06 2.15 0.00	72.84 3.18 0.00	78.36 3.42 0.00	92.35 4.06 0.00	62.22 2.83 0.00	53.25 2.81 0.00	42.73 1.99 0.00	40.88 1.84 0.00
CALPINE BETH_PAGE_GT4 24209	48.40 2.05 0.00	44.65 1.71 0.00	39.53 1.59 0.00	44.02 1.74 0.00	42.90 1.91 0.00	57.87 2.80 0.00	55.37 2.72 0.00	45.58 2.40 0.00	39.03 2.03 0.00	37.91 1.82 0.00	38.99 2.27 0.00	33.29 1.60 0.00	38.71 1.78 0.00	34.59 1.64 0.00	37.87 1.92 0.00	35.46 1.93 0.00	39.25 2.33 0.00	73.25 3.59 0.00	78.71 3.78 0.00	92.83 4.55 0.00	62.57 3.19 0.00	53.35 2.90 0.00	42.95 2.20 0.00	41.08 2.03 0.00
CALPINE_BETH_PAGE_GT_4 323586	48.40 2.05 0.00	44.66 1.71 0.00	39.51 1.58 0.00	44.00 1.73 0.00	42.90 1.91 0.00	57.86 2.79 0.00	55.36 2.71 0.00	45.57 2.39 0.00	39.02 2.01 0.00	37.90 1.80 0.00	38.99 2.27 0.00	33.28 1.59 0.00	38.70 1.77 0.00	34.59 1.64 0.00	37.86 1.91 0.00	35.46 1.93 0.00	39.24 2.32 0.00	73.24 3.58 0.00	78.71 3.77 0.00	92.81 4.52 0.00	62.56 3.17 0.00	53.34 2.90 0.00	42.95 2.20 0.00	41.08 2.03 0.00
CALPINE_BP_GT1 23823	48.40 2.05 0.00	44.66 1.71 0.00	39.51 1.58 0.00	44.00 1.73 0.00	42.90 1.91 0.00	57.86 2.79 0.00	55.36 2.71 0.00	45.57 2.39 0.00	39.02 2.01 0.00	37.90 1.80 0.00	38.99 2.27 0.00	33.28 1.59 0.00	38.70 1.77 0.00	34.59 1.64 0.00	37.86 1.91 0.00	35.46 1.93 0.00	39.24 2.32 0.00	73.24 3.58 0.00	78.71 3.77 0.00	92.81 4.52 0.00	62.56 3.17 0.00	53.34 2.90 0.00	42.95 2.20 0.00	41.08 2.03 0.00
CALSPAN___DRP 24200	43.61 -2.74 0.00	40.09 -2.62 0.24	30.93 -2.73 4.28	36.79 -2.78 2.70	37.87 -2.91 0.21	46.87 -3.33 4.87	42.56 -3.26 6.83	34.93 -2.68 5.57	29.72 -2.38 4.90	29.65 -2.08 4.37	30.07 -2.34 4.30	25.98 -1.79 3.92	30.31 -2.30 4.32	26.54 -2.21 4.21	29.01 -2.49 4.45	27.37 -2.08 4.08	30.07 -2.36 4.48	57.65 -3.99 8.01	62.45 -4.01 8.47	73.51 -5.21 9.56	51.92 -3.37 4.10	45.73 -3.52 1.19	38.12 -2.62 0.00	36.79 -2.25 0.00

CALVERTON___SOLAR 323806	48.10 1.75 0.00	44.25 1.31 0.00	39.16 1.22 0.00	43.68 1.40 0.00	42.90 1.91 0.00	58.57 3.51 0.00	55.94 3.29 0.00	46.00 2.82 0.00	38.80 1.81 0.00	37.35 1.26 0.00	38.35 1.63 0.00	32.61 0.92 0.00	37.82 0.89 0.00	33.83 0.88 0.00	37.10 1.15 0.00	34.95 1.42 0.00	39.03 2.12 0.00	72.80 3.14 0.00	78.37 3.43 0.00	92.38 4.09 0.00	62.22 2.83 0.00	53.32 2.88 0.00	42.72 1.98 0.00	40.84 1.80 0.00
CANDIGU_WT_PWR 323617	43.30 -3.05 0.00	36.83 -2.93 0.00	-22.13 -3.03 57.05	2.92 -3.35 36.01	34.74 -3.50 2.74	-14.35 -4.57 64.85	-42.55 -4.18 91.04	-34.46 -3.39 74.25	-31.13 -2.86 65.27	-24.87 -2.75 58.21	-23.83 -3.20 57.34	-23.27 -2.74 52.23	-23.78 -3.18 57.53	-26.01 -2.93 56.03	-26.68 -3.32 59.31	-23.95 -3.15 54.33	-26.11 -3.32 59.70	-42.46 -5.35 106.77	-42.97 -5.10 112.81	-45.05 -5.95 127.39	0.92 -3.84 54.62	30.86 -3.76 15.83	37.75 -3.00 0.00	36.24 -2.80 0.00
CARR STREET_E_SYR 24060	45.19 -1.17 0.00	41.81 -1.13 0.00	36.93 -1.01 0.00	41.26 -1.02 0.00	39.96 -1.03 0.00	53.79 -1.28 0.00	51.49 -1.17 0.00	42.23 -0.95 0.00	36.18 -0.82 0.00	35.33 -0.76 0.00	35.83 -0.88 0.00	30.93 -0.76 0.00	36.04 -0.88 0.00	32.13 -0.82 0.00	35.01 -0.94 0.00	32.61 -0.92 0.00	35.87 -1.04 0.00	67.87 -1.78 0.00	73.17 -1.77 0.00	86.13 -2.16 0.00	57.90 -1.49 0.00	48.95 -1.49 0.00	39.52 -1.23 0.00	37.88 -1.16 0.00
CARTHAGE___PAPER 23857	45.86 -0.49 0.00	42.41 -0.54 0.00	37.55 -0.39 0.00	41.99 -0.29 0.00	41.06 0.07 0.00	54.88 -0.19 0.00	52.07 -0.59 0.00	43.77 -0.65 -1.24	37.22 -1.31 -1.53	37.04 -1.86 -2.80	41.01 -2.07 -6.37	38.94 -1.95 -9.21	44.69 -2.31 -10.07	40.25 -2.10 -9.39	43.46 -2.31 -9.82	40.87 -2.13 -9.47	45.10 -1.86 -10.05	84.27 -1.22 -15.84	91.72 -0.03 -16.82	107.38 -0.05 -19.14	73.32 -0.12 -14.06	62.26 -0.19 -12.01	44.94 -0.34 -4.53	38.69 -0.42 -0.07
CASSADAGA_WT_PWR 323784	43.85 -2.50 0.00	39.97 -2.84 0.14	32.44 -3.05 2.44	37.91 -2.82 1.54	37.72 -3.15 0.12	49.53 -2.76 2.78	46.20 -2.56 3.90	37.29 -2.71 3.18	32.19 -2.01 2.80	32.21 -1.39 2.49	32.71 -1.55 2.46	28.13 -1.33 2.24	32.54 -1.93 2.47	28.33 -2.22 2.40	30.65 -2.76 2.54	28.89 -2.31 2.33	31.73 -2.63 2.56	61.05 -4.03 4.57	66.17 -3.94 4.83	78.53 -4.30 5.46	54.58 -2.47 2.34	46.45 -3.31 0.68	37.97 -2.78 0.00	36.28 -2.77 0.00
CE_DUNWOOD___DRP 24194	47.68 1.33 0.00	44.10 1.15 0.00	39.06 1.12 0.00	43.51 1.23 0.00	42.27 1.28 0.00	56.72 1.65 0.00	54.35 1.69 0.00	44.71 1.53 0.00	38.46 1.46 0.00	37.67 1.57 0.00	38.53 1.82 0.00	33.08 1.40 0.00	38.58 1.66 0.00	34.49 1.54 0.00	37.69 1.74 0.00	35.20 1.67 0.00	38.78 1.87 0.00	72.50 2.85 0.00	77.91 2.98 0.00	91.89 3.60 0.00	61.92 2.53 0.00	52.63 2.18 0.00	42.45 1.71 0.00	40.59 1.55 0.00
CE_MILLWOOD___DRP 24193	47.61 1.26 0.00	44.04 1.10 0.00	39.02 1.08 0.00	43.46 1.19 0.00	42.22 1.23 0.00	56.66 1.59 0.00	54.29 1.63 0.00	44.66 1.48 0.00	38.40 1.40 0.00	37.61 1.52 0.00	38.46 1.74 0.00	33.03 1.34 0.00	38.52 1.59 0.00	34.44 1.49 0.00	37.63 1.68 0.00	35.14 1.62 0.00	38.72 1.80 0.00	72.43 2.77 0.00	77.83 2.89 0.00	91.77 3.49 0.00	61.83 2.45 0.00	52.50 2.06 0.00	42.30 1.56 0.00	40.46 1.42 0.00
CE_NYC2_DRP 24202	47.82 1.47 0.00	44.22 1.28 0.00	39.27 1.33 0.00	43.68 1.40 0.00	42.42 1.43 0.00	56.85 1.79 0.00	54.54 1.89 0.00	44.95 1.77 0.00	38.77 1.77 0.00	38.07 1.97 0.00	38.97 2.25 0.00	33.47 1.78 0.00	38.99 2.06 0.00	34.87 1.92 0.00	38.08 2.13 0.00	35.56 2.03 0.00	39.10 2.18 0.00	72.86 3.21 0.00	78.35 3.41 0.00	92.44 4.15 0.00	62.34 2.95 0.00	52.98 2.54 0.00	42.77 2.03 0.00	40.89 1.85 0.00
CE_NYC_DRP 24195	47.73 1.38 0.00	44.11 1.17 0.00	39.14 1.20 0.00	43.59 1.32 0.00	42.34 1.35 0.00	56.76 1.69 0.00	54.42 1.77 0.00	44.84 1.66 0.00	38.65 1.65 0.00	37.92 1.82 0.00	38.81 2.10 0.00	33.31 1.62 0.00	38.86 1.93 0.00	34.72 1.77 0.00	37.94 1.99 0.00	35.42 1.90 0.00	38.97 2.05 0.00	72.73 3.07 0.00	78.16 3.23 0.00	92.20 3.91 0.00	62.16 2.77 0.00	52.83 2.39 0.00	42.62 1.87 0.00	40.73 1.69 0.00
CHAFFEE___LFGE 323603	44.00 -2.36 0.00	40.46 -2.30 0.18	32.31 -2.42 3.22	37.83 -2.42 2.03	38.26 -2.58 0.16	48.55 -2.86 3.66	44.74 -2.79 5.13	36.73 -2.27 4.18	31.30 -2.02 3.68	31.12 -1.69 3.28	31.47 -2.02 3.23	27.22 -1.52 2.95	31.71 -1.98 3.24	27.91 -1.89 3.16	30.46 -2.14 3.34	28.69 -1.78 3.06	31.58 -1.97 3.36	60.28 -3.36 6.02	65.25 -3.33 6.36	76.71 -4.40 7.18	53.38 -2.93 3.08	46.40 -3.16 0.89	38.44 -2.31 0.00	37.12 -1.93 0.00
CHATEAUG_35_KV_LOAD 355732	46.53 0.18 0.00	43.21 0.26 0.00	38.00 0.07 0.00	41.91 -0.37 0.00	40.43 -0.56 0.00	54.36 -0.70 0.00	51.82 -0.84 0.00	36.33 -0.77 6.07	27.53 -0.85 8.63	19.83 -0.92 15.34	-5.55 -0.85 41.42	-29.67 -0.76 60.61	-30.30 -0.92 66.30	-29.76 -0.86 61.85	-30.05 -1.00 65.01	-29.70 -0.89 62.34	-30.24 -1.00 66.15	-35.76 -1.13 104.29	-36.56 -0.75 110.74	-38.76 -1.05 126.00	-33.84 -0.69 92.54	-29.03 -0.38 79.09	10.62 -0.31 29.82	38.35 -0.23 0.46
CHATEAUG_WT_PWR 323614	46.40 0.05 0.00	43.11 0.16 0.00	37.89 -0.05 0.00	41.75 -0.52 0.00	40.28 -0.71 0.00	54.17 -0.90 0.00	51.63 -1.03 0.00	13.22 -0.97 28.99	12.99 -1.00 23.01	-13.15 -1.07 48.17	-3.45 -0.99 39.18	-17.82 -0.87 48.64	-17.35 -1.07 53.21	-17.68 -1.00 49.63	-17.38 -1.14 52.19	-17.51 -1.01 50.02	-17.31 -1.14 53.08	-15.42 -1.39 83.69	-15.10 -1.17 88.86	-14.36 -1.54 101.11	-15.87 -1.00 74.26	-13.63 -0.60 63.47	16.29 -0.53 23.93	38.26 -0.40 0.37
CHAT_HIGH_FALL_HYD 323578	46.53 0.18 0.00	43.21 0.26 0.00	38.00 0.07 0.00	41.91 -0.37 0.00	40.43 -0.56 0.00	54.36 -0.70 0.00	51.82 -0.84 0.00	36.33 -0.77 6.07	27.53 -0.85 8.63	19.83 -0.92 15.34	-5.55 -0.85 41.42	-29.67 -0.76 60.61	-30.30 -0.92 66.30	-29.76 -0.86 61.85	-30.05 -1.00 65.01	-29.70 -0.89 62.34	-30.24 -1.00 66.15	-35.76 -1.13 104.29	-36.56 -0.75 110.74	-38.76 -1.05 126.00	-33.84 -0.69 92.54	-29.03 -0.38 79.09	10.62 -0.31 29.82	38.35 -0.23 0.46
CHAUTAUQUA___LFGE 323629	43.73 -2.63 0.00	40.05 -2.70 0.19	31.68 -2.85 3.41	37.37 -2.76 2.15	37.86 -2.96 0.16	48.25 -2.95 3.87	44.38 -2.84 5.44	36.11 -2.64 4.43	30.95 -2.15 3.90	30.95 -1.67 3.48	31.35 -1.94 3.42	26.98 -1.59 3.12	31.41 -2.09 3.44	27.43 -2.17 3.35	29.86 -2.55 3.54	28.11 -2.18 3.25	30.88 -2.47 3.56	59.33 -3.95 6.38	64.31 -3.89 6.74	76.03 -4.66 7.61	53.30 -2.83 3.26	46.15 -3.35 0.94	38.01 -2.74 0.00	36.51 -2.53 0.00
CHERRYST_13_KV_LD 356241	47.85 1.50 0.00	44.23 1.28 0.00	39.24 1.29 0.00	43.70 1.42 0.00	42.45 1.46 0.00	56.91 1.84 0.00	54.57 1.91 0.00	44.96 1.78 0.00	38.75 1.75 0.00	38.02 1.93 0.00	38.92 2.21 0.00	33.40 1.71 0.00	38.97 2.04 0.00	34.83 1.88 0.00	38.05 2.10 0.00	35.53 2.00 0.00	39.08 2.17 0.00	72.95 3.29 0.00	78.39 3.46 0.00	92.46 4.17 0.00	62.34 2.95 0.00	52.98 2.54 0.00	42.74 1.99 0.00	40.85 1.81 0.00

CHESTROR_138KV_BK263 355645	47.23 0.88 0.00	43.72 0.77 0.00	38.67 0.73 0.00	43.11 0.84 0.00	41.84 0.85 0.00	56.18 1.11 0.00	53.82 1.16 0.00	44.22 1.05 0.00	37.97 0.97 0.00	37.17 1.07 0.00	37.92 1.20 0.00	32.59 0.90 0.00	38.00 1.07 0.00	33.98 1.03 0.00	37.12 1.17 0.00	34.64 1.12 0.00	38.19 1.28 0.00	71.68 2.02 0.00	77.07 2.14 0.00	90.82 2.53 0.00	61.18 1.79 0.00	51.99 1.55 0.00	41.96 1.21 0.00	40.14 1.10 0.00
CH_MIDHUDSON___DRP 24192	47.82 1.46 0.00	44.24 1.29 0.00	39.18 1.24 0.00	43.64 1.37 0.00	42.39 1.40 0.00	56.89 1.82 0.00	54.50 1.84 0.00	44.79 1.61 0.00	38.49 1.49 0.00	37.65 1.56 0.00	38.43 1.71 0.00	33.04 1.35 0.00	38.55 1.62 0.00	34.45 1.50 0.00	37.66 1.71 0.00	35.19 1.67 0.00	38.79 1.87 0.00	72.68 3.02 0.00	78.11 3.17 0.00	92.12 3.83 0.00	62.02 2.63 0.00	52.69 2.25 0.00	42.51 1.76 0.00	40.64 1.60 0.00
CH_MISC_IPPS 23765	48.00 1.65 0.00	44.41 1.47 0.00	39.31 1.37 0.00	43.80 1.52 0.00	42.55 1.56 0.00	57.11 2.05 0.00	54.74 2.08 0.00	44.96 1.79 0.00	38.64 1.64 0.00	37.78 1.68 0.00	38.54 1.82 0.00	33.13 1.44 0.00	38.64 1.71 0.00	34.54 1.59 0.00	37.76 1.81 0.00	35.29 1.76 0.00	38.92 2.00 0.00	73.02 3.36 0.00	78.51 3.57 0.00	92.56 4.27 0.00	62.34 2.95 0.00	52.94 2.50 0.00	42.71 1.96 0.00	40.82 1.78 0.00
CH_RES_BVR_FALLS 23983	46.07 -0.29 0.00	42.86 -0.09 0.00	37.82 -0.12 0.00	42.01 -0.26 0.00	40.73 -0.26 0.00	54.61 -0.46 0.00	51.97 -0.69 0.00	39.10 -0.66 3.41	32.17 -0.65 4.19	27.70 -0.68 7.72	18.45 -0.73 17.54	5.73 -0.61 25.35	8.45 -0.75 27.73	6.38 -0.70 25.87	7.86 -0.75 27.34	6.79 -0.66 26.07	8.48 -0.77 27.67	24.87 -1.17 43.62	27.50 -1.12 46.32	34.31 -1.28 52.70	19.78 -0.90 38.70	16.66 -0.70 33.08	27.71 -0.56 12.47	38.41 -0.43 0.19
CH_RES_NIAGARA 23895	41.71 -4.65 0.00	38.36 -4.27 0.31	28.31 -4.02 5.61	34.45 -4.28 3.54	36.29 -4.43 0.27	43.30 -5.39 6.38	38.42 -5.28 8.96	31.62 -4.26 7.30	26.77 -3.80 6.42	26.88 -3.49 5.73	27.35 -3.72 5.64	23.60 -2.96 5.14	27.59 -3.68 5.66	24.01 -3.43 5.51	26.32 -3.80 5.84	24.92 -3.27 5.34	27.35 -3.69 5.87	52.46 -6.70 10.50	56.76 -7.08 11.10	66.87 -8.89 12.53	48.06 -5.95 5.37	43.24 -5.65 1.56	36.46 -4.29 0.00	35.31 -3.74 0.00
CH_RES_SYRACUSE 23985	45.53 -0.82 0.00	42.13 -0.82 0.00	37.20 -0.74 0.00	41.57 -0.71 0.00	40.25 -0.74 0.00	54.19 -0.88 0.00	51.90 -0.76 0.00	42.58 -0.60 0.00	36.45 -0.55 0.00	35.55 -0.54 0.00	36.04 -0.68 0.00	31.10 -0.59 0.00	36.26 -0.67 0.00	32.31 -0.64 0.00	35.20 -0.74 0.00	32.80 -0.73 0.00	36.09 -0.82 0.00	68.41 -1.25 0.00	73.72 -1.22 0.00	86.82 -1.47 0.00	58.37 -1.02 0.00	49.33 -1.11 0.00	39.83 -0.92 0.00	38.17 -0.87 0.00
CLINTON_WT_PWR 323605	46.40 0.05 0.00	43.11 0.16 0.00	37.89 -0.05 0.00	41.75 -0.52 0.00	40.28 -0.71 0.00	54.17 -0.90 0.00	51.63 -1.03 0.00	13.22 -0.97 28.99	12.99 -1.00 23.01	-13.15 -1.07 48.17	-3.45 -0.99 39.18	-17.82 -0.87 48.64	-17.35 -1.07 53.21	-17.68 -1.00 49.63	-17.38 -1.14 52.19	-17.51 -1.01 50.02	-17.31 -1.14 53.08	-15.42 -1.39 83.69	-15.10 -1.17 88.86	-14.36 -1.54 101.11	-15.87 -1.00 74.26	-13.63 -0.60 63.47	16.29 -0.53 23.93	38.26 -0.40 0.37
CLINTON___LFGE 323618	47.06 0.71 0.00	43.77 0.82 0.00	38.39 0.45 0.00	42.13 -0.15 0.00	40.56 -0.43 0.00	54.59 -0.47 0.00	52.00 -0.66 0.00	50.26 -0.73 -7.81	37.37 -0.86 -1.23	41.29 -0.92 -6.12	3.27 -0.67 32.77	-21.67 -0.70 52.67	-21.64 -0.95 57.62	-21.69 -0.90 53.74	-21.64 -1.08 56.51	-21.57 -0.93 54.17	-21.57 -1.00 57.49	-21.62 -0.65 90.63	-21.59 -0.30 96.23	-21.74 -0.54 109.49	-21.53 -0.50 80.41	-18.40 -0.12 68.73	14.60 -0.24 25.91	38.51 -0.13 0.40
COBBLENY_34_KV_TB1 80064	43.99 -2.37 0.00	40.48 -2.28 0.18	32.28 -2.45 3.22	37.79 -2.45 2.03	38.25 -2.59 0.16	48.51 -2.90 3.66	44.69 -2.83 5.13	36.69 -2.31 4.18	31.25 -2.07 3.68	31.03 -1.78 3.28	31.41 -2.08 3.23	27.18 -1.56 2.95	31.67 -2.02 3.24	27.87 -1.93 3.16	30.41 -2.20 3.34	28.66 -1.81 3.06	31.49 -2.05 3.36	60.23 -3.40 6.02	65.21 -3.36 6.36	76.62 -4.49 7.18	53.42 -2.89 3.08	46.43 -3.12 0.89	38.45 -2.30 0.00	37.12 -1.92 0.00
COFFEEN___115KV_TB3 355620	45.71 -0.64 0.00	42.21 -0.73 0.00	37.40 -0.54 0.00	41.87 -0.41 0.00	40.99 0.01 0.00	54.86 -0.21 0.00	52.07 -0.59 0.00	43.53 -0.67 -1.03	36.75 -1.52 -1.26	36.25 -2.17 -2.32	39.59 -2.41 -5.28	37.05 -2.27 -7.63	42.58 -2.70 -8.34	38.30 -2.43 -7.78	41.39 -2.70 -8.14	38.84 -2.53 -7.84	42.97 -2.26 -8.33	81.27 -1.52 -13.13	88.91 0.03 -13.94	104.21 0.06 -15.86	70.98 -0.05 -11.64	60.13 -0.27 -9.95	44.08 -0.42 -3.75	38.56 -0.54 -0.06
COLDSPRG_115KV_BK1 355956	45.24 -1.11 0.00	41.56 -1.39 0.00	36.15 -1.79 0.00	40.79 -1.49 0.00	39.24 -1.75 0.00	53.65 -1.41 0.00	51.25 -1.41 0.00	41.68 -1.50 0.00	35.90 -1.10 0.00	35.39 -0.70 0.00	35.74 -0.97 0.00	31.02 -0.66 0.00	35.96 -0.97 0.00	31.83 -1.12 0.00	34.52 -1.43 0.00	32.36 -1.17 0.00	35.56 -1.36 0.00	67.90 -1.76 0.00	73.31 -1.63 0.00	86.23 -2.07 0.00	58.27 -1.11 0.00	48.61 -1.83 0.00	39.36 -1.39 0.00	37.81 -1.23 0.00
COLONIE_LFGE___ 323577	48.00 1.65 0.00	44.50 1.55 0.00	39.35 1.41 0.00	43.79 1.51 0.00	42.59 1.60 0.00	57.20 2.13 0.00	54.72 2.06 0.00	44.83 1.65 0.00	38.53 1.53 0.00	37.51 1.42 0.00	38.19 1.47 0.00	33.00 1.31 0.00	38.44 1.51 0.00	34.34 1.39 0.00	37.57 1.62 0.00	35.13 1.60 0.00	38.73 1.82 0.00	72.62 2.96 0.00	77.79 2.86 0.00	91.93 3.64 0.00	61.81 2.42 0.00	52.54 2.09 0.00	42.43 1.68 0.00	40.65 1.61 0.00
COOPERNY_115KV_TB1 80082	46.93 0.58 0.00	43.45 0.50 0.00	38.41 0.47 0.00	42.83 0.55 0.00	41.55 0.56 0.00	55.79 0.72 0.00	53.43 0.77 0.00	43.89 0.71 0.00	37.67 0.68 0.00	36.85 0.75 0.00	37.57 0.85 0.00	32.33 0.64 0.00	37.69 0.76 0.00	33.67 0.72 0.00	36.76 0.81 0.00	34.30 0.78 0.00	37.81 0.89 0.00	71.03 1.38 0.00	76.40 1.46 0.00	90.02 1.73 0.00	60.63 1.25 0.00	51.50 1.06 0.00	41.58 0.83 0.00	39.79 0.75 0.00
COPENHAGEN_WT_PWR 323753	44.74 -1.62 0.00	41.32 -1.63 0.00	36.64 -1.30 0.00	41.05 -1.23 0.00	40.32 -0.67 0.00	53.82 -1.25 0.00	50.90 -1.76 0.00	42.56 -1.59 -0.97	36.08 -2.11 -1.19	35.65 -2.64 -2.19	38.84 -2.87 -4.99	36.27 -2.63 -7.21	41.71 -3.10 -7.88	37.51 -2.79 -7.35	40.55 -3.08 -7.69	38.03 -2.90 -7.41	42.02 -2.75 -7.87	79.13 -2.93 -12.40	86.31 -1.79 -13.17	101.15 -2.12 -14.98	68.88 -1.51 -11.00	58.39 -1.46 -9.40	42.94 -1.35 -3.55	37.68 -1.41 -0.06
CORNELL_____ 23752	46.48 0.13 0.00	43.08 -0.01 -0.14	40.40 -0.10 -2.56	43.92 0.03 -1.61	41.06 -0.05 -0.12	57.96 -0.01 -2.90	56.88 0.14 -4.08	46.66 0.16 -3.32	39.99 0.07 -2.92	38.61 -0.09 -2.61	38.89 -0.40 -2.57	33.62 -0.41 -2.34	39.06 -0.45 -2.58	34.97 -0.49 -2.51	37.95 -0.66 -2.66	35.32 -0.64 -2.43	39.08 -0.50 -2.67	74.46 0.03 -4.78	80.50 0.51 -5.05	94.54 0.55 -5.71	62.20 0.37 -2.45	51.14 -0.01 -0.71	40.69 -0.06 0.00	38.97 -0.07 0.00

CORONA V_69_KV_TB1 355595	48.40 2.05 0.00	44.68 1.73 0.00	39.53 1.59 0.00	44.02 1.74 0.00	42.86 1.87 0.00	57.71 2.64 0.00	55.23 2.57 0.00	45.44 2.26 0.00	38.95 1.95 0.00	37.95 1.85 0.00	39.03 2.32 0.00	33.34 1.65 0.00	38.81 1.88 0.00	34.69 1.74 0.00	37.98 2.03 0.00	35.59 2.07 0.00	39.34 2.43 0.00	73.50 3.85 0.00	78.92 3.98 0.00	93.10 4.81 0.00	62.82 3.43 0.00	53.54 3.10 0.00	43.14 2.39 0.00	41.23 2.19 0.00
CORTLAND_115KV_TB3 80093	46.14 -0.21 0.00	42.67 -0.28 0.00	37.63 -0.31 0.00	42.06 -0.22 0.00	40.72 -0.26 0.00	54.81 -0.25 0.00	52.51 -0.15 0.00	43.08 -0.10 0.00	36.87 -0.13 0.00	35.94 -0.16 0.00	36.35 -0.36 0.00	31.36 -0.33 0.00	36.57 -0.36 0.00	32.59 -0.36 0.00	35.50 -0.45 0.00	33.07 -0.46 0.00	36.49 -0.42 0.00	69.43 -0.23 0.00	74.96 0.02 0.00	88.22 -0.06 0.00	59.34 -0.05 0.00	50.15 -0.29 0.00	40.45 -0.30 0.00	38.74 -0.30 0.00
COXSACKIE___GT 23611	50.05 3.70 0.00	46.32 3.37 0.00	40.93 2.99 0.00	45.61 3.33 0.00	44.32 3.33 0.00	59.63 4.56 0.00	57.12 4.47 0.00	46.75 3.57 0.00	40.17 3.17 0.00	38.87 2.77 0.00	38.88 2.16 0.00	33.58 1.89 0.00	39.05 2.12 0.00	34.86 1.92 0.00	38.09 2.14 0.00	35.69 2.17 0.00	39.80 2.88 0.00	75.98 6.32 0.00	82.19 7.25 0.00	96.75 8.46 0.00	64.95 5.56 0.00	55.03 4.59 0.00	44.32 3.58 0.00	42.38 3.34 0.00
CPV_VALLEY___CC1 323721	46.93 0.58 0.00	43.43 0.49 0.00	38.42 0.48 0.00	42.84 0.55 0.00	41.58 0.58 0.00	55.79 0.72 0.00	53.43 0.77 0.00	43.93 0.75 0.00	37.72 0.72 0.00	36.91 0.82 0.00	37.69 0.97 0.00	32.40 0.71 0.00	37.78 0.85 0.00	33.78 0.83 0.00	36.89 0.94 0.00	34.42 0.90 0.00	37.94 1.02 0.00	71.12 1.47 0.00	76.48 1.54 0.00	90.10 1.81 0.00	60.70 1.31 0.00	51.60 1.16 0.00	41.66 0.91 0.00	39.85 0.81 0.00
CPV_VALLEY___CC2 323722	46.93 0.58 0.00	43.43 0.49 0.00	38.42 0.48 0.00	42.84 0.55 0.00	41.58 0.58 0.00	55.79 0.72 0.00	53.43 0.77 0.00	43.93 0.75 0.00	37.72 0.72 0.00	36.91 0.82 0.00	37.69 0.97 0.00	32.40 0.71 0.00	37.78 0.85 0.00	33.78 0.83 0.00	36.89 0.94 0.00	34.42 0.90 0.00	37.94 1.02 0.00	71.12 1.47 0.00	76.48 1.54 0.00	90.10 1.81 0.00	60.70 1.31 0.00	51.60 1.16 0.00	41.66 0.91 0.00	39.85 0.81 0.00
CRESCENT___HYD 24018	48.00 1.65 0.00	44.50 1.55 0.00	39.35 1.41 0.00	43.79 1.51 0.00	42.59 1.60 0.00	57.20 2.13 0.00	54.72 2.06 0.00	44.83 1.65 0.00	38.53 1.53 0.00	37.51 1.42 0.00	38.19 1.47 0.00	33.00 1.31 0.00	38.44 1.51 0.00	34.34 1.39 0.00	37.57 1.62 0.00	35.13 1.60 0.00	38.73 1.82 0.00	72.62 2.96 0.00	77.79 2.86 0.00	91.93 3.64 0.00	61.81 2.42 0.00	52.54 2.09 0.00	42.43 1.68 0.00	40.65 1.61 0.00
CRICKET___VALLEY_CC1 323756	47.40 1.04 0.00	43.88 0.93 0.00	38.90 0.96 0.00	43.30 1.02 0.00	42.10 1.11 0.00	56.42 1.35 0.00	54.02 1.36 0.00	44.37 1.19 0.00	38.14 1.14 0.00	37.34 1.24 0.00	38.13 1.41 0.00	32.83 1.14 0.00	38.34 1.41 0.00	34.28 1.33 0.00	37.46 1.50 0.00	34.96 1.43 0.00	38.49 1.58 0.00	71.93 2.28 0.00	77.19 2.25 0.00	91.11 2.82 0.00	61.35 1.96 0.00	52.15 1.71 0.00	42.08 1.33 0.00	40.24 1.20 0.00
CRICKET___VALLEY_CC2 323757	47.40 1.04 0.00	43.88 0.93 0.00	38.90 0.96 0.00	43.30 1.02 0.00	42.10 1.11 0.00	56.42 1.35 0.00	54.02 1.36 0.00	44.37 1.19 0.00	38.14 1.14 0.00	37.34 1.24 0.00	38.13 1.41 0.00	32.83 1.14 0.00	38.34 1.41 0.00	34.28 1.33 0.00	37.46 1.50 0.00	34.96 1.43 0.00	38.49 1.58 0.00	71.93 2.28 0.00	77.19 2.25 0.00	91.11 2.82 0.00	61.35 1.96 0.00	52.15 1.71 0.00	42.08 1.33 0.00	40.24 1.20 0.00
CRICKET___VALLEY_CC3 323758	47.40 1.04 0.00	43.88 0.93 0.00	38.90 0.96 0.00	43.30 1.02 0.00	42.10 1.11 0.00	56.42 1.35 0.00	54.02 1.36 0.00	44.37 1.19 0.00	38.14 1.14 0.00	37.34 1.24 0.00	38.13 1.41 0.00	32.83 1.14 0.00	38.34 1.41 0.00	34.28 1.33 0.00	37.46 1.50 0.00	34.96 1.43 0.00	38.49 1.58 0.00	71.93 2.28 0.00	77.19 2.25 0.00	91.11 2.82 0.00	61.35 1.96 0.00	52.15 1.71 0.00	42.08 1.33 0.00	40.24 1.20 0.00
CRUCIBLE_METL_DRP 24180	45.53 -0.82 0.00	42.13 -0.81 0.00	37.19 -0.75 0.00	41.57 -0.72 0.00	40.25 -0.74 0.00	54.19 -0.88 0.00	51.89 -0.77 0.00	42.57 -0.60 0.00	36.44 -0.56 0.00	35.55 -0.55 0.00	36.03 -0.68 0.00	31.10 -0.59 0.00	36.26 -0.67 0.00	32.31 -0.64 0.00	35.21 -0.74 0.00	32.79 -0.74 0.00	36.09 -0.83 0.00	68.41 -1.25 0.00	73.72 -1.22 0.00	86.79 -1.50 0.00	58.36 -1.02 0.00	49.33 -1.12 0.00	39.83 -0.92 0.00	38.17 -0.87 0.00
DAHOWA___HYDRO 323763	49.06 2.71 0.00	45.49 2.54 0.00	40.20 2.26 0.00	44.74 2.46 0.00	43.51 2.52 0.00	58.58 3.51 0.00	56.08 3.42 0.00	45.88 2.70 0.00	39.31 2.31 0.00	38.11 2.01 0.00	38.63 1.91 0.00	33.40 1.72 0.00	38.99 2.07 0.00	34.78 1.83 0.00	38.07 2.12 0.00	35.67 2.14 0.00	39.42 2.51 0.00	74.42 4.77 0.00	79.95 5.01 0.00	94.37 6.08 0.00	63.41 4.02 0.00	53.71 3.27 0.00	43.32 2.57 0.00	41.54 2.49 0.00
DANC___LFGE 323619	44.86 -1.49 0.00	41.47 -1.48 0.00	36.73 -1.21 0.00	41.10 -1.18 0.00	40.13 -0.86 0.00	53.71 -1.36 0.00	50.98 -1.68 0.00	42.38 -1.46 0.00	36.08 -1.73 0.00	35.56 -2.03 0.00	37.91 -2.20 0.00	34.60 -1.99 0.00	39.95 -2.33 0.00	35.83 -2.11 0.00	38.83 -2.35 0.00	36.31 -2.25 0.00	40.02 -2.23 0.00	75.38 -2.70 0.00	81.90 -1.98 0.00	96.10 -2.36 0.00	65.26 -1.61 0.00	55.27 -1.56 0.00	41.80 -1.36 0.00	37.71 -1.38 0.00
DANSKAMMER___1 23586	48.00 1.65 0.00	44.41 1.47 0.00	39.31 1.37 0.00	43.80 1.52 0.00	42.55 1.56 0.00	57.11 2.05 0.00	54.74 2.08 0.00	44.96 1.79 0.00	38.64 1.64 0.00	37.78 1.68 0.00	38.54 1.82 0.00	33.13 1.44 0.00	38.64 1.71 0.00	34.54 1.59 0.00	37.76 1.81 0.00	35.29 1.76 0.00	38.92 2.00 0.00	73.02 3.36 0.00	78.51 3.57 0.00	92.56 4.27 0.00	62.34 2.95 0.00	52.94 2.50 0.00	42.71 1.96 0.00	40.82 1.78 0.00
DANSKAMMER___2 23589	48.00 1.65 0.00	44.41 1.47 0.00	39.31 1.37 0.00	43.80 1.52 0.00	42.55 1.56 0.00	57.11 2.05 0.00	54.74 2.08 0.00	44.96 1.79 0.00	38.64 1.64 0.00	37.78 1.68 0.00	38.54 1.82 0.00	33.13 1.44 0.00	38.64 1.71 0.00	34.54 1.59 0.00	37.76 1.81 0.00	35.29 1.76 0.00	38.92 2.00 0.00	73.02 3.36 0.00	78.51 3.57 0.00	92.56 4.27 0.00	62.34 2.95 0.00	52.94 2.50 0.00	42.71 1.96 0.00	40.82 1.78 0.00
DANSKAMMER___3 23590	48.00 1.65 0.00	44.41 1.47 0.00	39.31 1.37 0.00	43.80 1.52 0.00	42.55 1.56 0.00	57.11 2.05 0.00	54.74 2.08 0.00	44.96 1.79 0.00	38.64 1.64 0.00	37.78 1.68 0.00	38.54 1.82 0.00	33.13 1.44 0.00	38.64 1.71 0.00	34.54 1.59 0.00	37.76 1.81 0.00	35.29 1.76 0.00	38.92 2.00 0.00	73.02 3.36 0.00	78.51 3.57 0.00	92.56 4.27 0.00	62.34 2.95 0.00	52.94 2.50 0.00	42.71 1.96 0.00	40.82 1.78 0.00

DANSKAMMER___4 23591	48.00 1.65 0.00	44.41 1.47 0.00	39.31 1.37 0.00	43.80 1.52 0.00	42.55 1.56 0.00	57.11 2.05 0.00	54.74 2.08 0.00	44.96 1.79 0.00	38.64 1.64 0.00	37.78 1.68 0.00	38.54 1.82 0.00	33.13 1.44 0.00	38.64 1.71 0.00	34.54 1.59 0.00	37.76 1.81 0.00	35.29 1.76 0.00	38.92 2.00 0.00	73.02 3.36 0.00	78.51 3.57 0.00	92.56 4.27 0.00	62.34 2.95 0.00	52.94 2.50 0.00	42.71 1.96 0.00	40.82 1.78 0.00
DANSKAMMER___DIESEL 23592	48.00 1.65 0.00	44.42 1.47 0.00	39.31 1.37 0.00	43.81 1.54 0.00	42.55 1.56 0.00	57.11 2.04 0.00	54.74 2.08 0.00	44.97 1.79 0.00	38.64 1.64 0.00	37.79 1.69 0.00	38.55 1.83 0.00	33.13 1.44 0.00	38.65 1.72 0.00	34.54 1.59 0.00	37.76 1.81 0.00	35.29 1.77 0.00	38.92 2.01 0.00	73.02 3.37 0.00	78.51 3.58 0.00	92.57 4.28 0.00	62.34 2.96 0.00	52.94 2.49 0.00	42.71 1.96 0.00	40.82 1.78 0.00
DARBY___SOLAR 323810	48.89 2.54 0.00	45.33 2.38 0.00	40.05 2.11 0.00	44.58 2.31 0.00	43.34 2.36 0.00	58.32 3.25 0.00	55.84 3.18 0.00	45.68 2.50 0.00	39.15 2.15 0.00	37.90 1.81 0.00	38.44 1.73 0.00	33.25 1.57 0.00	38.80 1.87 0.00	34.62 1.67 0.00	37.91 1.96 0.00	35.49 1.96 0.00	39.22 2.30 0.00	73.99 4.33 0.00	79.47 4.53 0.00	93.81 5.52 0.00	63.06 3.67 0.00	53.45 3.00 0.00	43.11 2.36 0.00	41.32 2.27 0.00
DASHVILLE___HYD 23610	47.76 1.41 0.00	44.20 1.25 0.00	39.13 1.18 0.00	43.59 1.32 0.00	42.35 1.36 0.00	56.83 1.77 0.00	54.45 1.79 0.00	44.74 1.56 0.00	38.47 1.47 0.00	37.62 1.52 0.00	38.31 1.60 0.00	32.95 1.26 0.00	38.43 1.50 0.00	34.35 1.40 0.00	37.54 1.59 0.00	35.07 1.54 0.00	38.66 1.75 0.00	72.57 2.91 0.00	78.04 3.10 0.00	92.04 3.75 0.00	61.99 2.61 0.00	52.64 2.20 0.00	42.47 1.72 0.00	40.59 1.55 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	48.37 2.01 0.00	44.29 1.35 0.00	39.11 1.17 0.00	43.93 1.66 0.00	43.26 2.27 0.00	59.45 4.38 0.00	56.79 4.13 0.00	46.53 3.35 0.00	38.98 1.98 0.00	37.11 1.01 0.00	38.05 1.33 0.00	32.30 0.61 0.00	37.46 0.53 0.00	33.51 0.56 0.00	36.76 0.81 0.00	34.68 1.16 0.00	38.79 1.87 0.00	72.41 2.75 0.00	78.08 3.14 0.00	92.04 3.76 0.00	62.00 2.61 0.00	53.11 2.67 0.00	42.52 1.77 0.00	40.60 1.56 0.00
DELAWARE___LFGE 323621	47.20 0.84 0.00	43.67 0.72 0.00	38.56 0.62 0.00	43.03 0.75 0.00	41.72 0.73 0.00	56.00 0.93 0.00	53.60 0.94 0.00	43.97 0.79 0.00	37.70 0.70 0.00	36.82 0.73 0.00	37.47 0.76 0.00	32.35 0.66 0.00	37.69 0.76 0.00	33.63 0.68 0.00	36.69 0.74 0.00	34.21 0.68 0.00	37.75 0.84 0.00	71.25 1.59 0.00	76.59 1.65 0.00	90.26 1.97 0.00	60.77 1.38 0.00	51.51 1.07 0.00	41.57 0.82 0.00	39.79 0.75 0.00
DERFIELD_115KV_TB7 355931	46.56 0.21 0.00	43.16 0.21 0.00	38.16 0.22 0.00	42.49 0.21 0.00	41.22 0.23 0.00	55.34 0.28 0.00	52.92 0.26 0.00	43.38 0.20 0.00	37.19 0.19 0.00	36.24 0.15 0.00	36.89 0.18 0.00	31.84 0.16 0.00	37.11 0.19 0.00	33.14 0.19 0.00	36.18 0.22 -0.01	33.74 0.22 0.00	37.20 0.28 0.00	70.09 0.43 0.00	75.33 0.39 0.00	88.83 0.54 0.00	59.74 0.36 0.00	50.75 0.31 0.00	41.01 0.26 0.00	39.27 0.23 0.00
DOGLEVILLE___HYD 23807	46.84 0.48 0.00	43.49 0.54 0.00	38.47 0.53 0.00	42.58 0.30 0.00	41.52 0.52 0.00	55.79 0.72 0.00	53.42 0.76 0.00	43.65 0.47 0.00	37.33 0.33 0.00	35.71 -0.39 0.00	36.32 -0.40 0.00	31.40 -0.29 0.00	36.64 -0.28 0.00	32.84 -0.11 0.00	35.97 0.01 -0.01	33.69 0.16 0.00	37.65 0.74 0.00	71.06 1.41 0.00	76.22 1.29 0.00	90.13 1.84 0.00	60.69 1.30 0.00	51.70 1.25 0.00	41.60 0.84 0.00	39.75 0.70 0.00
DUNKIRK___115KV_TB_200 55889	43.73 -2.62 0.00	40.08 -2.67 0.20	31.59 -2.85 3.50	37.30 -2.76 2.21	37.87 -2.95 0.17	48.10 -2.99 3.98	44.17 -2.90 5.58	35.99 -2.64 4.56	30.82 -2.17 4.01	30.77 -1.75 3.57	31.19 -2.01 3.52	26.87 -1.62 3.21	31.30 -2.10 3.53	27.36 -2.15 3.44	29.78 -2.54 3.64	28.04 -2.15 3.33	30.77 -2.48 3.66	59.17 -3.94 6.55	64.15 -3.86 6.92	75.74 -4.73 7.81	53.22 -2.82 3.35	46.16 -3.31 0.97	38.05 -2.69 0.00	36.56 -2.48 0.00
DUNKIRK___1 23563	43.73 -2.62 0.00	40.08 -2.67 0.20	31.59 -2.85 3.50	37.30 -2.76 2.21	37.87 -2.95 0.17	48.10 -2.99 3.98	44.17 -2.90 5.58	35.99 -2.64 4.56	30.82 -2.17 4.01	30.77 -1.75 3.57	31.19 -2.01 3.52	26.87 -1.62 3.21	31.30 -2.10 3.53	27.36 -2.15 3.44	29.78 -2.54 3.64	28.04 -2.15 3.33	30.77 -2.48 3.66	59.17 -3.94 6.55	64.15 -3.86 6.92	75.74 -4.73 7.81	53.22 -2.82 3.35	46.16 -3.31 0.97	38.05 -2.69 0.00	36.56 -2.48 0.00
DUNKIRK___2 23564	43.73 -2.62 0.00	40.08 -2.67 0.20	31.59 -2.85 3.50	37.30 -2.76 2.21	37.87 -2.95 0.17	48.10 -2.99 3.98	44.17 -2.90 5.58	35.99 -2.64 4.56	30.82 -2.17 4.01	30.77 -1.75 3.57	31.19 -2.01 3.52	26.87 -1.62 3.21	31.30 -2.10 3.53	27.36 -2.15 3.44	29.78 -2.54 3.64	28.04 -2.15 3.33	30.77 -2.48 3.66	59.17 -3.94 6.55	64.15 -3.86 6.92	75.74 -4.73 7.81	53.22 -2.82 3.35	46.16 -3.31 0.97	38.05 -2.69 0.00	36.56 -2.48 0.00
DUNKIRK___3 23565	43.68 -2.68 0.00	40.05 -2.68 0.22	31.25 -2.83 3.86	37.05 -2.79 2.44	37.86 -2.95 0.19	47.52 -3.15 4.39	43.42 -3.07 6.16	35.45 -2.70 5.03	30.31 -2.28 4.42	30.27 -1.88 3.94	30.67 -2.17 3.88	26.46 -1.70 3.54	30.86 -2.17 3.89	26.99 -2.16 3.79	29.42 -2.51 4.02	27.70 -2.14 3.68	30.41 -2.46 4.04	58.43 -4.00 7.23	63.30 -4.00 7.64	74.69 -4.98 8.62	52.62 -3.07 3.70	45.96 -3.41 1.07	38.05 -2.69 0.00	36.62 -2.42 0.00
DUNKIRK___4 23566	43.68 -2.68 0.00	40.05 -2.68 0.22	31.25 -2.83 3.86	37.05 -2.79 2.44	37.86 -2.95 0.19	47.52 -3.15 4.39	43.42 -3.07 6.16	35.45 -2.70 5.03	30.31 -2.28 4.42	30.27 -1.88 3.94	30.67 -2.17 3.88	26.46 -1.70 3.54	30.86 -2.17 3.89	26.99 -2.16 3.79	29.42 -2.51 4.02	27.70 -2.14 3.68	30.41 -2.46 4.04	58.43 -4.00 7.23	63.30 -4.00 7.64	74.69 -4.98 8.62	52.62 -3.07 3.70	45.96 -3.41 1.07	38.05 -2.69 0.00	36.62 -2.42 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	47.75 1.39 0.00	44.16 1.21 0.00	39.14 1.20 0.00	43.60 1.33 0.00	42.36 1.37 0.00	56.82 1.76 0.00	54.45 1.80 0.00	44.82 1.64 0.00	38.56 1.56 0.00	37.78 1.68 0.00	38.66 1.94 0.00	33.19 1.50 0.00	38.71 1.78 0.00	34.61 1.66 0.00	37.81 1.86 0.00	35.31 1.79 0.00	38.88 1.96 0.00	72.64 2.99 0.00	78.05 3.12 0.00	92.06 3.77 0.00	62.04 2.66 0.00	52.73 2.29 0.00	42.55 1.80 0.00	40.67 1.63 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	47.57 1.22 0.00	44.03 1.08 0.00	38.95 1.01 0.00	43.42 1.14 0.00	42.16 1.17 0.00	56.58 1.52 0.00	54.23 1.57 0.00	44.56 1.38 0.00	38.27 1.27 0.00	37.43 1.33 0.00	38.20 1.48 0.00	32.82 1.13 0.00	38.27 1.34 0.00	34.22 1.27 0.00	37.39 1.44 0.00	34.92 1.40 0.00	38.51 1.59 0.00	72.28 2.62 0.00	77.75 2.81 0.00	91.62 3.33 0.00	61.71 2.32 0.00	52.43 1.99 0.00	42.30 1.56 0.00	40.44 1.40 0.00

E179THST_138_KV_TB4_REV_LBMP_J 345001	47.71 1.36 0.00	44.13 1.18 0.00	39.23 1.29 0.00	43.63 1.35 0.00	42.36 1.37 0.00	56.80 1.73 0.00	54.50 1.85 0.00	44.93 1.75 0.00	38.70 1.70 0.00	38.02 1.92 0.00	38.87 2.15 0.00	33.35 1.67 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.95 2.00 0.00	35.43 1.91 0.00	38.91 1.99 0.00	72.62 2.97 0.00	78.12 3.18 0.00	92.28 4.00 0.00	62.19 2.80 0.00	52.86 2.42 0.00	42.68 1.93 0.00	40.77 1.73 0.00
E179THST_13_KV_LOAD 356214	47.90 1.54 0.00	44.30 1.35 0.00	39.37 1.43 0.00	43.76 1.48 0.00	42.48 1.49 0.00	56.97 1.90 0.00	54.67 2.01 0.00	45.06 1.88 0.00	38.82 1.82 0.00	38.14 2.05 0.00	38.99 2.27 0.00	33.48 1.79 0.00	39.02 2.09 0.00	34.89 1.94 0.00	38.10 2.15 0.00	35.58 2.05 0.00	39.08 2.17 0.00	72.97 3.31 0.00	78.49 3.56 0.00	92.72 4.44 0.00	62.47 3.08 0.00	53.10 2.65 0.00	42.87 2.12 0.00	40.94 1.90 0.00
EAST HAMPTON___GT 23717	48.34 1.99 0.00	44.00 1.05 0.00	38.70 0.76 0.00	43.90 1.62 0.00	43.33 2.34 0.00	60.00 4.93 0.00	57.31 4.66 0.00	46.73 3.55 0.00	38.85 1.85 0.00	36.43 0.33 0.00	37.34 0.62 0.00	31.66 -0.03 0.00	36.73 -0.20 0.00	32.85 -0.10 0.00	36.06 0.11 0.00	34.06 0.53 0.00	38.09 1.18 0.00	71.17 1.52 0.00	76.86 1.92 0.00	90.58 2.28 0.00	61.01 1.62 0.00	52.24 1.80 0.00	41.82 1.07 0.00	39.89 0.85 0.00
EAST RIVER___6 23660	47.69 1.34 0.00	44.10 1.15 0.00	39.09 1.15 0.00	43.54 1.27 0.00	42.31 1.33 0.00	56.72 1.66 0.00	54.38 1.72 0.00	44.80 1.63 0.00	38.62 1.62 0.00	37.88 1.79 0.00	38.79 2.07 0.00	33.29 1.60 0.00	38.84 1.91 0.00	34.71 1.76 0.00	37.92 1.97 0.00	35.41 1.88 0.00	38.95 2.04 0.00	72.67 3.01 0.00	78.10 3.16 0.00	92.11 3.83 0.00	62.12 2.73 0.00	52.80 2.36 0.00	42.60 1.85 0.00	40.71 1.67 0.00
EAST RIVER___7 23524	47.69 1.34 0.00	44.10 1.15 0.00	39.09 1.15 0.00	43.54 1.27 0.00	42.31 1.33 0.00	56.72 1.66 0.00	54.38 1.72 0.00	44.80 1.63 0.00	38.62 1.62 0.00	37.88 1.79 0.00	38.79 2.07 0.00	33.29 1.60 0.00	38.84 1.91 0.00	34.71 1.76 0.00	37.92 1.97 0.00	35.41 1.88 0.00	38.95 2.04 0.00	72.67 3.01 0.00	78.10 3.16 0.00	92.11 3.83 0.00	62.12 2.73 0.00	52.80 2.36 0.00	42.60 1.85 0.00	40.71 1.67 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	47.68 1.33 0.00	44.10 1.15 0.00	39.06 1.12 0.00	43.51 1.23 0.00	42.27 1.28 0.00	56.72 1.65 0.00	54.35 1.69 0.00	44.71 1.53 0.00	38.46 1.46 0.00	37.67 1.57 0.00	38.53 1.82 0.00	33.08 1.40 0.00	38.58 1.66 0.00	34.49 1.54 0.00	37.69 1.74 0.00	35.20 1.67 0.00	38.78 1.87 0.00	72.50 2.85 0.00	77.91 2.98 0.00	91.89 3.60 0.00	61.92 2.53 0.00	52.63 2.18 0.00	42.45 1.71 0.00	40.59 1.55 0.00
EAST_HAMPTON___DIESEL 23722	48.28 1.93 0.00	43.91 0.96 0.00	38.61 0.67 0.00	43.83 1.56 0.00	43.28 2.29 0.00	59.99 4.93 0.00	57.31 4.65 0.00	46.69 3.52 0.00	38.78 1.79 0.00	36.31 0.21 0.00	37.22 0.50 0.00	31.55 -0.14 0.00	36.61 -0.32 0.00	32.74 -0.21 0.00	35.93 -0.02 0.00	33.95 0.42 0.00	37.96 1.04 0.00	70.94 1.29 0.00	76.59 1.65 0.00	90.26 1.98 0.00	60.79 1.40 0.00	52.08 1.63 0.00	41.67 0.92 0.00	39.75 0.71 0.00
EAST_POINT___SOLAR 323840	49.11 2.76 0.00	45.55 2.60 0.00	40.19 2.25 0.00	44.70 2.43 0.00	43.31 2.32 0.00	58.27 3.20 0.00	55.72 3.07 0.00	45.41 2.24 0.00	38.21 1.21 0.00	35.82 -0.28 0.00	36.72 0.01 0.00	31.83 0.14 0.00	37.20 0.27 0.00	33.48 0.53 0.00	36.70 0.74 0.00	34.29 0.76 0.00	38.38 1.47 0.00	74.16 4.50 0.00	80.13 5.20 0.00	94.25 5.96 0.00	63.32 3.94 0.00	53.63 3.19 0.00	43.24 2.49 0.00	41.34 2.30 0.00
EAST_PULASKI___ESR 323781	45.02 -1.34 0.00	41.63 -1.32 0.00	36.84 -1.10 0.00	41.17 -1.11 0.00	40.00 -1.00 0.00	53.66 -1.41 0.00	51.15 -1.51 0.00	42.28 -1.25 -0.35	36.14 -1.29 -0.43	35.50 -1.38 -0.79	36.99 -1.51 -1.78	32.94 -1.33 -2.57	38.19 -1.55 -2.81	34.18 -1.40 -2.62	37.12 -1.57 -2.75	34.62 -1.56 -2.65	38.07 -1.66 -2.81	71.69 -2.39 -4.43	77.56 -2.08 -4.70	91.15 -2.49 -5.35	61.66 -1.65 -3.93	52.20 -1.60 -3.36	40.68 -1.33 -1.27	37.75 -1.31 -0.02
EAST_RIVER___1 323558	47.73 1.38 0.00	44.12 1.17 0.00	39.13 1.19 0.00	43.58 1.30 0.00	42.34 1.35 0.00	56.76 1.69 0.00	54.42 1.76 0.00	44.83 1.65 0.00	38.64 1.64 0.00	37.90 1.81 0.00	38.80 2.08 0.00	33.30 1.61 0.00	38.85 1.92 0.00	34.72 1.77 0.00	37.93 1.98 0.00	35.42 1.89 0.00	38.95 2.04 0.00	72.72 3.06 0.00	78.16 3.23 0.00	92.18 3.89 0.00	62.16 2.77 0.00	52.84 2.40 0.00	42.62 1.88 0.00	40.73 1.69 0.00
EAST_RIVER___2 323559	47.69 1.34 0.00	44.10 1.15 0.00	39.09 1.15 0.00	43.54 1.27 0.00	42.31 1.33 0.00	56.72 1.66 0.00	54.38 1.72 0.00	44.80 1.63 0.00	38.62 1.62 0.00	37.88 1.79 0.00	38.79 2.07 0.00	33.29 1.60 0.00	38.84 1.91 0.00	34.71 1.76 0.00	37.92 1.97 0.00	35.41 1.88 0.00	38.95 2.04 0.00	72.67 3.01 0.00	78.10 3.16 0.00	92.11 3.83 0.00	62.12 2.73 0.00	52.80 2.36 0.00	42.60 1.85 0.00	40.71 1.67 0.00
EAST___DELAWARE_HYD 23607	48.33 1.97 0.00	44.69 1.74 0.00	39.50 1.56 0.00	44.05 1.78 0.00	42.76 1.77 0.00	57.47 2.41 0.00	55.08 2.42 0.00	45.22 2.04 0.00	38.80 1.80 0.00	37.87 1.78 0.00	38.48 1.76 0.00	33.05 1.37 0.00	38.53 1.60 0.00	34.43 1.48 0.00	37.64 1.69 0.00	35.21 1.68 0.00	38.95 2.03 0.00	73.44 3.78 0.00	79.14 4.20 0.00	93.21 4.92 0.00	62.74 3.35 0.00	53.27 2.82 0.00	42.93 2.18 0.00	41.05 2.00 0.00
EIGHT_POINT___WT_PWR 323820	43.09 -3.26 0.00	41.39 -2.93 -1.37	59.11 -3.35 -24.52	53.72 -4.04 -15.48	37.69 -4.48 -1.18	77.01 -5.94 -27.88	86.46 -5.33 -39.13	70.79 -4.31 -31.92	61.35 -3.71 -28.06	57.49 -3.63 -25.02	57.19 -4.18 -24.65	50.49 -3.65 -22.45	57.29 -4.37 -24.73	52.98 -4.06 -24.08	56.92 -4.52 -25.50	52.59 -4.29 -23.35	58.18 -4.40 -25.66	108.58 -6.97 -45.90	117.13 -6.30 -48.49	136.06 -6.99 -54.76	78.34 -4.53 -23.48	52.85 -4.40 -6.80	37.26 -3.49 0.00	35.75 -3.29 0.00
ELBRIDGE_115KV_TB2 80188	45.31 -1.05 0.00	41.92 -1.03 0.00	36.98 -0.96 0.00	41.34 -0.94 0.00	40.04 -0.96 0.00	53.90 -1.17 0.00	51.59 -1.07 0.00	42.34 -0.84 0.00	36.25 -0.75 0.00	35.35 -0.75 0.00	35.82 -0.90 0.00	30.89 -0.80 0.00	36.04 -0.89 0.00	32.10 -0.85 0.00	34.99 -0.96 0.00	32.60 -0.93 0.00	35.84 -1.08 0.00	67.97 -1.68 0.00	73.22 -1.72 0.00	86.30 -1.99 0.00	58.03 -1.35 0.00	49.03 -1.42 0.00	39.60 -1.15 0.00	37.96 -1.08 0.00
ELEC_TRO_TEK 24086	48.17 1.82 0.00	44.47 1.52 0.00	39.36 1.42 0.00	43.83 1.56 0.00	42.68 1.70 0.00	57.49 2.42 0.00	55.03 2.37 0.00	45.29 2.11 0.00	38.84 1.84 0.00	37.83 1.73 0.00	38.86 2.14 0.00	33.21 1.53 0.00	38.66 1.73 0.00	34.55 1.60 0.00	37.83 1.88 0.00	35.44 1.91 0.00	39.19 2.27 0.00	73.19 3.53 0.00	78.58 3.64 0.00	92.68 4.39 0.00	62.50 3.11 0.00	53.26 2.81 0.00	42.90 2.16 0.00	41.03 1.99 0.00

ELLENBURG_WT_PWR 323604	46.40 0.05 0.00	43.11 0.16 0.00	37.89 -0.05 0.00	41.75 -0.52 0.00	40.28 -0.71 0.00	54.17 -0.90 0.00	51.63 -1.03 0.00	13.22 -0.97 28.99	12.99 -1.00 23.01	-13.15 -1.07 48.17	-3.45 -0.99 39.18	-17.82 -0.87 48.64	-17.35 -1.07 53.21	-17.68 -1.00 49.63	-17.38 -1.14 52.19	-17.51 -1.01 50.02	-17.31 -1.14 53.08	-15.42 -1.39 83.69	-15.10 -1.17 88.86	-14.36 -1.54 101.11	-15.87 -1.00 74.26	-13.63 -0.60 63.47	16.29 -0.53 23.93	38.26 -0.40 0.37
ELM_ST_23_KV_LD_REV_LBMP_A 345012	43.21 -3.14 0.00	39.73 -2.95 0.27	30.17 -2.99 4.78	36.18 -3.08 3.02	37.54 -3.22 0.23	45.90 -3.73 5.44	41.37 -3.65 7.63	33.96 -3.00 6.23	28.87 -2.66 5.47	28.86 -2.36 4.88	29.30 -2.60 4.81	25.29 -2.02 4.38	29.54 -2.56 4.82	25.80 -2.45 4.70	28.22 -2.75 4.97	26.65 -2.32 4.55	29.28 -2.63 5.00	56.18 -4.52 8.95	60.85 -4.62 9.46	71.67 -5.94 10.68	50.93 -3.88 4.58	45.16 -3.95 1.33	37.78 -2.97 0.00	36.48 -2.56 0.00
EMPIRE_CC_1 323656	47.52 1.17 0.00	44.08 1.13 0.00	39.00 1.06 0.00	43.40 1.13 0.00	42.21 1.22 0.00	56.59 1.53 0.00	54.01 1.35 0.00	44.31 1.13 0.00	38.30 1.30 0.00	37.35 1.26 0.00	38.10 1.39 0.00	32.91 1.22 0.00	38.31 1.38 0.00	34.24 1.29 0.00	37.45 1.50 0.00	35.02 1.49 0.00	38.52 1.61 0.00	71.65 2.00 0.00	76.66 1.72 0.00	90.64 2.35 0.00	60.99 1.61 0.00	51.90 1.45 0.00	42.04 1.29 0.00	40.26 1.22 0.00
EMPIRE_CC_2 323658	47.52 1.17 0.00	44.08 1.13 0.00	39.00 1.06 0.00	43.40 1.13 0.00	42.21 1.22 0.00	56.59 1.53 0.00	54.01 1.35 0.00	44.31 1.13 0.00	38.30 1.30 0.00	37.35 1.26 0.00	38.10 1.39 0.00	32.91 1.22 0.00	38.31 1.38 0.00	34.24 1.29 0.00	37.45 1.50 0.00	35.02 1.49 0.00	38.52 1.61 0.00	71.65 2.00 0.00	76.66 1.72 0.00	90.64 2.35 0.00	60.99 1.61 0.00	51.90 1.45 0.00	42.04 1.29 0.00	40.26 1.22 0.00
ENORWICH_115KV_TB1 80156	48.31 1.95 0.00	44.37 1.35 -0.07	40.18 0.93 -1.31	44.53 1.43 -0.83	42.27 1.22 -0.06	57.54 0.98 -1.49	55.75 1.01 -2.09	45.54 0.66 -1.70	38.85 0.35 -1.50	37.18 -0.25 -1.33	37.60 -0.44 -1.32	32.37 -0.52 -1.20	37.66 -0.59 -1.32	33.54 -0.69 -1.29	36.44 -0.87 -1.36	34.07 -0.70 -1.24	38.01 -0.27 -1.37	73.30 1.19 -2.45	79.40 1.88 -2.59	93.45 2.24 -2.92	62.14 1.50 -1.25	51.66 0.85 -0.36	41.35 0.60 0.00	39.49 0.45 0.00
ERIE_ST__34_KV_TB1-2 80199	44.16 -2.19 0.00	40.60 -2.12 0.23	31.53 -2.35 4.06	37.39 -2.32 2.56	38.35 -2.45 0.19	47.66 -2.79 4.62	43.41 -2.77 6.48	35.62 -2.27 5.28	30.35 -2.01 4.65	30.18 -1.77 4.14	30.58 -2.06 4.08	26.45 -1.53 3.72	30.88 -1.96 4.10	27.07 -1.89 3.99	29.60 -2.12 4.22	27.89 -1.77 3.87	30.67 -2.00 4.25	58.81 -3.25 7.60	63.70 -3.21 8.03	74.95 -4.28 9.07	52.77 -2.74 3.89	46.37 -2.95 1.13	38.63 -2.12 0.00	37.27 -1.78 0.00
ERIE_WT_PWR 323693	43.61 -2.74 0.00	40.06 -2.64 0.24	30.95 -2.71 4.28	36.80 -2.77 2.70	37.88 -2.90 0.21	46.90 -3.30 4.87	42.60 -3.22 6.83	34.96 -2.65 5.57	29.76 -2.34 4.90	29.74 -1.99 4.37	30.12 -2.30 4.30	26.00 -1.77 3.92	30.32 -2.29 4.32	26.58 -2.17 4.21	29.06 -2.44 4.45	27.40 -2.05 4.08	30.15 -2.29 4.48	57.70 -3.94 8.01	62.49 -3.98 8.47	73.53 -5.20 9.56	51.87 -3.42 4.10	45.70 -3.56 1.19	38.11 -2.64 0.00	36.78 -2.26 0.00
ESPRGFLD_115KV_TB1 80157	47.67 1.32 0.00	44.18 1.23 0.00	38.96 1.02 0.00	43.37 1.09 0.00	41.98 0.99 0.00	56.37 1.30 0.00	53.86 1.21 0.00	44.17 1.00 0.00	37.65 0.65 0.00	36.54 0.45 0.00	37.18 0.46 0.00	32.08 0.39 0.00	37.36 0.43 0.00	33.33 0.38 0.00	36.34 0.39 0.00	33.87 0.34 0.00	37.45 0.54 0.00	71.65 2.00 0.00	77.28 2.34 0.00	90.94 2.65 0.00	61.16 1.77 0.00	51.76 1.32 0.00	41.78 1.03 0.00	39.99 0.95 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	46.42 0.07 0.00	43.01 -0.05 -0.12	39.93 -0.13 -2.13	43.61 -0.01 -1.34	41.00 -0.09 -0.10	57.42 -0.06 -2.42	56.13 0.08 -3.39	46.04 0.09 -2.77	39.45 0.02 -2.43	38.13 -0.13 -2.17	38.43 -0.42 -2.14	33.22 -0.42 -1.95	38.61 -0.46 -2.15	34.55 -0.49 -2.09	37.51 -0.65 -2.21	34.92 -0.63 -2.02	38.62 -0.52 -2.23	73.56 -0.07 -3.98	79.52 0.37 -4.21	93.44 0.40 -4.75	61.69 0.26 -2.04	50.95 -0.08 -0.59	40.63 -0.12 0.00	38.90 -0.14 0.00
ETNA____115KV_TB2 80207	46.42 0.07 0.00	43.01 -0.05 -0.12	39.93 -0.13 -2.13	43.61 -0.01 -1.34	41.00 -0.09 -0.10	57.42 -0.06 -2.42	56.13 0.08 -3.39	46.04 0.09 -2.77	39.45 0.02 -2.43	38.13 -0.13 -2.17	38.43 -0.42 -2.14	33.22 -0.42 -1.95	38.61 -0.46 -2.15	34.55 -0.49 -2.09	37.51 -0.65 -2.21	34.92 -0.63 -2.02	38.62 -0.52 -2.23	73.56 -0.07 -3.98	79.52 0.37 -4.21	93.44 0.40 -4.75	61.69 0.26 -2.04	50.95 -0.08 -0.59	40.63 -0.12 0.00	38.90 -0.14 0.00
EUCLID____115KV_TB2 356179	44.96 -1.39 0.00	41.61 -1.33 0.00	36.77 -1.17 0.00	41.06 -1.22 0.00	39.77 -1.22 0.00	53.53 -1.54 0.00	51.22 -1.44 0.00	42.02 -1.16 0.00	35.99 -1.01 0.00	35.16 -0.94 0.00	35.66 -1.05 0.00	30.78 -0.91 0.00	35.87 -1.06 0.00	31.98 -0.97 0.00	34.84 -1.11 0.00	32.46 -1.07 0.00	35.68 -1.23 0.00	67.48 -2.17 0.00	72.72 -2.21 0.00	85.62 -2.67 0.00	57.56 -1.82 0.00	48.70 -1.74 0.00	39.32 -1.43 0.00	37.69 -1.35 0.00
E_CANADA_CAP_HY 24051	48.12 1.76 0.00	44.70 1.75 0.00	39.46 1.51 0.00	43.82 1.55 0.00	42.43 1.44 0.00	56.99 1.93 0.00	54.41 1.75 0.00	44.53 1.35 0.00	37.76 0.76 0.00	36.30 0.20 0.00	36.99 0.27 0.00	31.90 0.21 0.00	37.17 0.24 0.00	33.22 0.27 0.00	36.27 0.32 0.00	33.84 0.31 0.00	37.55 0.64 0.00	72.25 2.59 0.00	77.89 2.96 0.00	91.62 3.34 0.00	61.60 2.21 0.00	52.26 1.82 0.00	42.18 1.43 0.00	40.39 1.35 0.00
E_CANADA_MHWK_HY 24050	46.84 0.48 0.00	43.49 0.54 0.00	38.47 0.53 0.00	42.58 0.30 0.00	41.52 0.52 0.00	55.79 0.72 0.00	53.42 0.76 0.00	43.65 0.47 0.00	37.33 0.33 0.00	35.71 -0.39 0.00	36.32 -0.40 0.00	31.40 -0.29 0.00	36.64 -0.28 0.00	32.84 -0.11 0.00	35.97 0.01 -0.01	33.69 0.16 0.00	37.65 0.74 0.00	71.06 1.41 0.00	76.22 1.29 0.00	90.13 1.84 0.00	60.69 1.30 0.00	51.70 1.25 0.00	41.60 0.84 0.00	39.75 0.70 0.00
E_FISHKILL____LBMP 23776	47.52 1.17 0.00	43.96 1.02 0.00	38.95 1.01 0.00	43.38 1.10 0.00	42.14 1.15 0.00	56.54 1.47 0.00	54.16 1.50 0.00	44.52 1.34 0.00	38.28 1.28 0.00	37.47 1.38 0.00	38.28 1.57 0.00	32.91 1.23 0.00	38.40 1.47 0.00	34.32 1.37 0.00	37.50 1.56 0.00	35.02 1.49 0.00	38.57 1.66 0.00	72.16 2.51 0.00	77.52 2.58 0.00	91.44 3.15 0.00	61.59 2.20 0.00	52.35 1.91 0.00	42.24 1.49 0.00	40.39 1.35 0.00
FALCON____SEABRD_CC1 323796	46.75 0.39 0.00	43.53 0.58 0.00	38.13 0.19 0.00	41.78 -0.50 0.00	40.21 -0.78 0.00	54.10 -0.96 0.00	51.48 -1.18 0.00	9.40 -1.19 32.59	10.19 -1.21 25.60	-18.95 -1.26 53.79	-6.03 -1.01 41.74	-20.41 -0.93 51.17	-20.25 -1.21 55.98	-20.38 -1.11 52.22	-20.25 -1.30 54.91	-20.24 -1.14 52.63	-20.20 -1.27 55.85	-19.56 -1.17 88.05	-19.49 -0.93 93.49	-19.40 -1.31 106.38	-19.76 -1.02 78.13	-16.83 -0.50 66.77	15.00 -0.58 25.17	38.23 -0.42 0.39

FALCON___SEABRD_CC2 323797	46.75 0.39 0.00	43.53 0.58 0.00	38.13 0.19 0.00	41.78 -0.50 0.00	40.21 -0.78 0.00	54.10 -0.96 0.00	51.48 -1.18 0.00	9.40 -1.19 32.59	10.19 -1.21 25.60	-18.95 -1.26 53.79	-6.03 -1.01 41.74	-20.41 -0.93 51.17	-20.25 -1.21 55.98	-20.38 -1.11 52.22	-20.25 -1.30 54.91	-20.24 -1.14 52.63	-20.20 -1.27 55.85	-19.56 -1.17 88.05	-19.49 -0.93 93.49	-19.40 -1.31 106.38	-19.76 -1.02 78.13	-16.83 -0.50 66.77	15.00 -0.58 25.17	38.23 -0.42 0.39
FAR ROCKAWAY___4 23548	48.74 2.38 0.00	44.99 2.04 0.00	39.79 1.85 0.00	44.31 2.04 0.00	43.14 2.15 0.00	58.09 3.03 0.00	55.61 2.95 0.00	45.76 2.58 0.00	39.22 2.22 0.00	38.20 2.10 0.00	39.30 2.58 0.00	33.57 1.88 0.00	39.05 2.13 0.00	34.92 1.97 0.00	38.23 2.28 0.00	35.84 2.31 0.00	39.64 2.72 0.00	74.08 4.42 0.00	79.57 4.63 0.00	93.87 5.58 0.00	63.33 3.94 0.00	53.96 3.52 0.00	43.46 2.71 0.00	41.54 2.50 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	47.77 1.42 0.00	44.15 1.20 0.00	39.17 1.23 0.00	43.62 1.35 0.00	42.37 1.38 0.00	56.80 1.73 0.00	54.46 1.80 0.00	44.88 1.70 0.00	38.68 1.68 0.00	37.94 1.85 0.00	38.84 2.12 0.00	33.34 1.65 0.00	38.89 1.96 0.00	34.75 1.80 0.00	37.97 2.02 0.00	35.45 1.92 0.00	38.99 2.08 0.00	72.77 3.11 0.00	78.21 3.28 0.00	92.24 3.96 0.00	62.19 2.81 0.00	52.87 2.43 0.00	42.66 1.91 0.00	40.77 1.73 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	47.78 1.43 0.00	44.17 1.23 0.00	39.19 1.25 0.00	43.64 1.37 0.00	42.39 1.40 0.00	56.82 1.76 0.00	54.49 1.83 0.00	44.90 1.72 0.00	38.69 1.69 0.00	37.96 1.87 0.00	38.86 2.14 0.00	33.34 1.66 0.00	38.90 1.97 0.00	34.77 1.82 0.00	37.98 2.03 0.00	35.46 1.93 0.00	39.01 2.10 0.00	72.82 3.16 0.00	78.26 3.33 0.00	92.30 4.01 0.00	62.23 2.84 0.00	52.89 2.45 0.00	42.67 1.93 0.00	40.78 1.74 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	47.74 1.39 0.00	44.14 1.19 0.00	39.16 1.22 0.00	43.60 1.33 0.00	42.35 1.37 0.00	56.79 1.72 0.00	54.45 1.79 0.00	44.86 1.68 0.00	38.66 1.66 0.00	37.93 1.83 0.00	38.82 2.11 0.00	33.31 1.63 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.95 2.00 0.00	35.43 1.91 0.00	38.98 2.06 0.00	72.74 3.09 0.00	78.17 3.23 0.00	92.21 3.92 0.00	62.16 2.77 0.00	52.84 2.39 0.00	42.63 1.88 0.00	40.74 1.70 0.00
FARRAGUT___LBMP 323566	47.71 1.36 0.00	44.10 1.15 0.00	39.13 1.19 0.00	43.58 1.30 0.00	42.33 1.34 0.00	56.74 1.68 0.00	54.40 1.75 0.00	44.83 1.65 0.00	38.63 1.63 0.00	37.90 1.80 0.00	38.79 2.07 0.00	33.30 1.61 0.00	38.83 1.90 0.00	34.71 1.76 0.00	37.92 1.97 0.00	35.41 1.88 0.00	38.95 2.03 0.00	72.67 3.02 0.00	78.12 3.18 0.00	92.12 3.84 0.00	62.11 2.72 0.00	52.80 2.35 0.00	42.60 1.85 0.00	40.73 1.68 0.00
FENNER___WINDPWR 24204	46.55 0.19 0.00	43.06 0.11 0.00	38.01 0.07 0.00	42.44 0.16 0.00	41.17 0.18 0.00	55.39 0.33 0.00	53.05 0.40 0.00	43.48 0.30 0.00	37.13 0.13 0.00	36.12 0.03 0.00	36.57 -0.15 0.00	31.51 -0.18 0.00	36.78 -0.15 0.00	32.76 -0.19 0.00	35.76 -0.19 0.00	33.39 -0.14 0.00	36.94 0.03 0.00	70.21 0.55 0.00	75.72 0.79 0.00	89.11 0.82 0.00	59.88 0.49 0.00	50.71 0.27 0.00	40.89 0.14 0.00	39.14 0.09 0.00
FIBERTEK___ENERGY 23856	45.53 -0.82 0.00	42.13 -0.81 0.00	37.19 -0.75 0.00	41.57 -0.72 0.00	40.25 -0.74 0.00	54.19 -0.88 0.00	51.89 -0.77 0.00	42.57 -0.60 0.00	36.44 -0.56 0.00	35.55 -0.55 0.00	36.03 -0.68 0.00	31.10 -0.59 0.00	36.26 -0.67 0.00	32.31 -0.64 0.00	35.21 -0.74 0.00	32.79 -0.74 0.00	36.09 -0.83 0.00	68.41 -1.25 0.00	73.72 -1.22 0.00	86.79 -1.50 0.00	58.36 -1.02 0.00	49.33 -1.12 0.00	39.83 -0.92 0.00	38.17 -0.87 0.00
FITZPATRICK____ 23598	44.53 -1.82 0.00	41.24 -1.71 0.00	36.45 -1.49 0.00	40.69 -1.58 0.00	39.41 -1.58 0.00	53.01 -2.06 0.00	50.69 -1.97 0.00	41.57 -1.61 0.00	35.61 -1.39 0.00	34.81 -1.29 0.00	35.33 -1.39 0.00	30.49 -1.20 0.00	35.54 -1.39 0.00	31.70 -1.25 0.00	34.53 -1.42 0.00	32.14 -1.38 0.00	35.30 -1.61 0.00	66.66 -3.00 0.00	71.77 -3.16 0.00	84.52 -3.78 0.00	56.85 -2.54 0.00	48.14 -2.30 0.00	38.89 -1.86 0.00	37.28 -1.76 0.00
FLOWRFLD_69_KV_BK1 356044	48.43 2.07 0.00	44.60 1.65 0.00	39.47 1.53 0.00	43.97 1.70 0.00	43.01 2.03 0.00	58.35 3.29 0.00	55.80 3.14 0.00	45.92 2.74 0.00	39.08 2.08 0.00	37.78 1.68 0.00	38.85 2.13 0.00	33.03 1.34 0.00	38.34 1.41 0.00	34.28 1.33 0.00	37.59 1.64 0.00	35.37 1.84 0.00	39.39 2.47 0.00	73.58 3.92 0.00	79.13 4.19 0.00	93.29 5.00 0.00	62.84 3.45 0.00	53.68 3.24 0.00	43.12 2.37 0.00	41.24 2.19 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	48.11 1.75 0.00	44.50 1.56 0.00	39.40 1.46 0.00	43.90 1.62 0.00	42.63 1.64 0.00	57.24 2.17 0.00	54.86 2.20 0.00	45.07 1.89 0.00	38.73 1.73 0.00	37.87 1.77 0.00	38.63 1.92 0.00	33.20 1.51 0.00	38.73 1.80 0.00	34.62 1.67 0.00	37.84 1.89 0.00	35.38 1.85 0.00	39.03 2.11 0.00	73.21 3.55 0.00	78.72 3.78 0.00	92.78 4.50 0.00	62.48 3.09 0.00	53.08 2.64 0.00	42.80 2.05 0.00	40.91 1.86 0.00
FORT ORANGE____ 23900	48.14 1.78 0.00	44.59 1.65 0.00	39.44 1.50 0.00	43.93 1.65 0.00	42.68 1.69 0.00	57.33 2.26 0.00	54.85 2.20 0.00	44.95 1.78 0.00	38.62 1.62 0.00	37.62 1.53 0.00	38.21 1.49 0.00	32.98 1.30 0.00	38.41 1.49 0.00	34.31 1.36 0.00	37.49 1.54 0.00	35.02 1.50 0.00	38.70 1.79 0.00	72.87 3.22 0.00	78.27 3.34 0.00	92.37 4.08 0.00	62.15 2.76 0.00	52.78 2.34 0.00	42.60 1.85 0.00	40.76 1.72 0.00
FORT_DRUM_COGEN 23780	45.41 -0.94 0.00	41.96 -0.99 0.00	37.18 -0.76 0.00	41.61 -0.67 0.00	40.76 -0.23 0.00	54.49 -0.58 0.00	51.66 -1.00 0.00	43.29 -0.98 -1.10	36.68 -1.66 -1.35	36.34 -2.23 -2.47	39.87 -2.46 -5.61	37.52 -2.29 -8.12	43.09 -2.71 -8.88	38.79 -2.45 -8.28	41.91 -2.70 -8.66	39.34 -2.53 -8.35	43.48 -2.30 -8.86	81.74 -1.88 -13.97	89.17 -0.60 -14.83	104.44 -0.72 -16.87	71.21 -0.57 -12.39	60.38 -0.65 -10.59	44.02 -0.72 -3.99	38.30 -0.80 -0.06
FOX_HILLS___ESR 323835	61.56 1.72 -13.48	61.02 1.52 -16.55	59.98 1.50 -20.53	59.96 1.64 -16.05	59.95 1.65 -17.32	60.94 2.06 -3.81	60.23 2.17 -5.40	61.44 1.94 -16.31	60.87 1.83 -22.03	60.47 2.03 -22.35	61.33 2.39 -22.23	60.22 1.93 -26.60	59.94 2.13 -20.88	58.82 2.00 -23.87	58.88 2.21 -20.72	59.72 2.14 -24.05	60.09 2.34 -20.84	77.49 3.32 -4.51	86.53 3.56 -8.05	107.26 4.27 -14.70	73.22 3.22 -10.61	61.68 2.82 -8.43	61.40 2.27 -18.39	60.61 2.08 -19.49
FPL FAR_ROCK_GT1 24212	48.74 2.38 0.00	45.00 2.05 0.00	39.78 1.84 0.00	44.30 2.03 0.00	43.14 2.15 0.00	58.09 3.03 0.00	55.60 2.94 0.00	45.75 2.57 0.00	39.21 2.21 0.00	38.18 2.08 0.00	39.29 2.57 0.00	33.56 1.87 0.00	39.04 2.12 0.00	34.91 1.96 0.00	38.22 2.27 0.00	35.84 2.31 0.00	39.63 2.71 0.00	74.08 4.42 0.00	79.57 4.63 0.00	93.84 5.55 0.00	63.32 3.93 0.00	53.96 3.52 0.00	43.46 2.71 0.00	41.55 2.50 0.00

FPL FAR_ROCK_GT2 23815	48.74 2.38 0.00	45.00 2.05 0.00	39.78 1.84 0.00	44.30 2.03 0.00	43.14 2.15 0.00	58.09 3.03 0.00	55.60 2.94 0.00	45.75 2.57 0.00	39.21 2.21 0.00	38.18 2.08 0.00	39.29 2.57 0.00	33.56 1.87 0.00	39.04 2.12 0.00	34.91 1.96 0.00	38.22 2.27 0.00	35.84 2.31 0.00	39.63 2.71 0.00	74.08 4.42 0.00	79.57 4.63 0.00	93.84 5.55 0.00	63.32 3.93 0.00	53.96 3.52 0.00	43.46 2.71 0.00	41.55 2.50 0.00
FRANKLIN_FALL_HYD 24054	47.24 0.89 0.00	43.82 0.88 0.00	38.55 0.61 0.00	42.63 0.35 0.00	41.22 0.23 0.00	55.34 0.28 0.00	52.77 0.12 0.00	60.29 0.03 -17.08	57.02 -0.16 -20.19	73.35 -0.27 -37.53	117.48 -0.23 -80.99	148.02 -0.23 -116.56	164.11 -0.33 -127.51	151.52 -0.37 -118.94	160.11 -0.47 -124.63	153.04 -0.37 -119.88	163.68 -0.46 -127.22	270.41 0.19 -200.57	288.64 0.73 -212.97	331.33 0.71 -242.33	237.88 0.52 -177.97	203.22 0.66 -152.11	98.60 0.51 -57.34	40.44 0.51 -0.89
FREEPORT_EQUS_GT1 23764	48.42 2.07 0.00	44.66 1.71 0.00	39.50 1.56 0.00	43.99 1.71 0.00	42.88 1.89 0.00	57.79 2.72 0.00	55.31 2.65 0.00	45.53 2.35 0.00	38.99 1.99 0.00	37.90 1.80 0.00	38.99 2.27 0.00	33.29 1.60 0.00	38.72 1.80 0.00	34.60 1.65 0.00	37.88 1.93 0.00	35.52 2.00 0.00	39.32 2.40 0.00	73.51 3.85 0.00	79.00 4.07 0.00	93.19 4.90 0.00	62.83 3.44 0.00	53.56 3.12 0.00	43.12 2.37 0.00	41.22 2.18 0.00
FREEPORT___CT2 23818	48.42 2.07 0.00	44.66 1.71 0.00	39.50 1.56 0.00	43.99 1.71 0.00	42.88 1.89 0.00	57.79 2.72 0.00	55.31 2.65 0.00	45.53 2.35 0.00	38.99 1.99 0.00	37.90 1.80 0.00	38.99 2.27 0.00	33.29 1.60 0.00	38.72 1.80 0.00	34.60 1.65 0.00	37.88 1.93 0.00	35.52 2.00 0.00	39.32 2.40 0.00	73.51 3.85 0.00	79.00 4.07 0.00	93.19 4.90 0.00	62.83 3.44 0.00	53.56 3.12 0.00	43.12 2.37 0.00	41.22 2.18 0.00
FRESHKLS_33_KV_LOAD 356253	61.58 1.74 -13.48	61.05 1.55 -16.55	59.99 1.52 -20.53	60.00 1.68 -16.05	59.99 1.69 -17.32	60.98 2.11 -3.81	60.28 2.22 -5.40	61.43 1.94 -16.31	60.81 1.77 -22.03	60.39 1.95 -22.35	61.30 2.35 -22.23	60.20 1.91 -26.60	59.85 2.04 -20.88	58.74 1.92 -23.87	58.80 2.13 -20.72	59.65 2.07 -24.05	60.05 2.30 -20.84	77.34 3.17 -4.51	86.43 3.45 -8.05	107.11 4.12 -14.70	73.22 3.22 -10.61	61.70 2.83 -8.43	61.40 2.26 -18.39	60.61 2.08 -19.49
FULTON COGEN____ 23766	44.79 -1.56 0.00	41.47 -1.48 0.00	36.65 -1.29 0.00	40.93 -1.35 0.00	39.64 -1.35 0.00	53.35 -1.71 0.00	51.05 -1.60 0.00	41.86 -1.32 0.00	35.84 -1.16 0.00	35.00 -1.10 0.00	35.52 -1.20 0.00	30.63 -1.06 0.00	35.71 -1.22 0.00	31.84 -1.11 0.00	34.71 -1.24 0.00	32.32 -1.20 0.00	35.57 -1.35 0.00	67.30 -2.35 0.00	72.50 -2.43 0.00	85.33 -2.96 0.00	57.36 -2.03 0.00	48.52 -1.92 0.00	39.17 -1.59 0.00	37.54 -1.50 0.00
FULTON___LFGE 323630	48.66 2.31 0.00	45.13 2.18 0.00	39.83 1.89 0.00	44.30 2.02 0.00	42.95 1.96 0.00	57.75 2.68 0.00	55.21 2.55 0.00	45.13 1.95 0.00	38.11 1.12 0.00	36.17 0.07 0.00	36.81 0.09 0.00	31.85 0.16 0.00	37.14 0.21 0.00	33.16 0.21 0.00	36.22 0.27 0.00	33.85 0.33 0.00	37.98 1.07 0.00	73.40 3.74 0.00	79.18 4.25 0.00	93.24 4.96 0.00	62.68 3.29 0.00	53.11 2.67 0.00	42.84 2.09 0.00	40.98 1.94 0.00
G.F.CEMENT___DRP 24184	49.87 3.52 0.00	46.25 3.31 0.00	40.85 2.91 0.00	45.46 3.18 0.00	44.22 3.23 0.00	59.62 4.55 0.00	57.08 4.43 0.00	46.69 3.51 0.00	39.96 2.96 0.00	38.66 2.56 0.00	39.08 2.36 0.00	33.77 2.08 0.00	39.37 2.44 0.00	35.09 2.14 0.00	38.47 2.52 0.00	36.10 2.58 0.00	39.87 2.95 0.00	75.34 5.68 0.00	81.08 6.15 0.00	95.74 7.45 0.00	64.30 4.91 0.00	54.39 3.95 0.00	43.81 3.06 0.00	42.03 2.99 0.00
GARDENVILLE___LBMP 24039	43.44 -2.91 0.00	39.91 -2.79 0.25	30.57 -2.87 4.51	36.51 -2.92 2.85	37.71 -3.06 0.22	46.44 -3.50 5.13	42.02 -3.44 7.20	34.47 -2.85 5.87	29.34 -2.51 5.16	29.30 -2.19 4.60	29.73 -2.46 4.53	25.67 -1.90 4.13	29.96 -2.42 4.55	26.20 -2.33 4.43	28.64 -2.62 4.69	27.03 -2.21 4.30	29.70 -2.50 4.72	56.98 -4.24 8.44	61.70 -4.32 8.92	72.67 -5.55 10.07	51.48 -3.59 4.32	45.47 -3.72 1.25	37.96 -2.79 0.00	36.63 -2.41 0.00
GARDNVLA_35_KV_LD 355827	43.73 -2.62 0.00	40.21 -2.50 0.23	31.14 -2.64 4.16	36.96 -2.69 2.63	37.97 -2.81 0.20	47.14 -3.20 4.73	42.88 -3.13 6.65	35.20 -2.56 5.42	29.96 -2.27 4.77	29.88 -1.97 4.25	30.29 -2.24 4.19	26.18 -1.70 3.81	30.54 -2.19 4.20	26.75 -2.11 4.09	29.24 -2.38 4.33	27.59 -1.97 3.97	30.32 -2.24 4.36	58.11 -3.75 7.79	62.96 -3.74 8.24	74.04 -4.94 9.30	52.23 -3.18 3.99	45.92 -3.36 1.16	38.25 -2.51 0.00	36.91 -2.13 0.00
GELCKHM__115KV_LOAD 80723	45.15 -1.20 0.00	41.79 -1.16 0.00	36.92 -1.03 0.00	41.23 -1.05 0.00	39.93 -1.06 0.00	53.76 -1.31 0.00	51.44 -1.22 0.00	42.19 -0.99 0.00	36.14 -0.86 0.00	35.28 -0.82 0.00	35.78 -0.94 0.00	30.88 -0.81 0.00	35.99 -0.94 0.00	32.08 -0.87 0.00	34.96 -1.00 0.00	32.57 -0.96 0.00	35.81 -1.10 0.00	67.79 -1.87 0.00	73.07 -1.86 0.00	85.99 -2.30 0.00	57.83 -1.56 0.00	48.91 -1.54 0.00	39.49 -1.26 0.00	37.85 -1.19 0.00
GENERAL___MILLS 23808	43.61 -2.74 0.00	40.09 -2.62 0.24	30.93 -2.73 4.28	36.79 -2.78 2.70	37.87 -2.91 0.21	46.87 -3.33 4.87	42.56 -3.26 6.83	34.93 -2.68 5.57	29.72 -2.38 4.90	29.65 -2.08 4.37	30.07 -2.34 4.30	25.98 -1.79 3.92	30.31 -2.30 4.32	26.54 -2.21 4.21	29.01 -2.49 4.45	27.37 -2.08 4.08	30.07 -2.36 4.48	57.65 -3.99 8.01	62.45 -4.01 8.47	73.51 -5.21 9.56	51.92 -3.37 4.10	45.73 -3.52 1.19	38.12 -2.62 0.00	36.79 -2.25 0.00
GE_PLASTICS___DRP 24183	47.62 1.27 0.00	44.12 1.17 0.00	39.03 1.09 0.00	43.46 1.19 0.00	42.22 1.23 0.00	56.71 1.65 0.00	54.24 1.58 0.00	44.48 1.30 0.00	38.20 1.20 0.00	37.26 1.16 0.00	37.92 1.21 0.00	32.74 1.05 0.00	38.15 1.22 0.00	34.07 1.12 0.00	37.22 1.27 0.00	34.74 1.22 0.00	38.34 1.43 0.00	72.02 2.37 0.00	77.29 2.35 0.00	91.22 2.94 0.00	61.38 1.99 0.00	52.14 1.70 0.00	42.11 1.36 0.00	40.31 1.27 0.00
GILBOA___1 23756	47.11 0.76 0.00	43.63 0.69 0.00	38.58 0.64 0.00	42.99 0.71 0.00	41.73 0.75 0.00	56.04 0.98 0.00	53.63 0.97 0.00	44.01 0.83 0.00	37.79 0.79 0.00	36.89 0.80 0.00	37.60 0.89 0.00	32.52 0.83 0.00	37.90 0.97 0.00	33.86 0.91 0.00	36.96 1.01 0.00	34.40 0.87 0.00	37.90 0.99 0.00	71.21 1.55 0.00	76.36 1.42 0.00	90.15 1.86 0.00	60.75 1.36 0.00	51.57 1.13 0.00	41.64 0.89 0.00	39.87 0.83 0.00
GILBOA___2 23757	47.11 0.76 0.00	43.63 0.69 0.00	38.58 0.64 0.00	42.99 0.71 0.00	41.73 0.75 0.00	56.04 0.98 0.00	53.63 0.97 0.00	44.01 0.83 0.00	37.79 0.79 0.00	36.89 0.80 0.00	37.60 0.89 0.00	32.52 0.83 0.00	37.90 0.97 0.00	33.86 0.91 0.00	36.96 1.01 0.00	34.40 0.87 0.00	37.90 0.99 0.00	71.21 1.55 0.00	76.36 1.42 0.00	90.15 1.86 0.00	60.75 1.36 0.00	51.57 1.13 0.00	41.64 0.89 0.00	39.87 0.83 0.00

GILBOA___3 23758	47.11 0.76 0.00	43.63 0.69 0.00	38.58 0.64 0.00	42.99 0.71 0.00	41.73 0.75 0.00	56.04 0.98 0.00	53.63 0.97 0.00	44.01 0.83 0.00	37.79 0.79 0.00	36.89 0.80 0.00	37.60 0.89 0.00	32.52 0.83 0.00	37.90 0.97 0.00	33.86 0.91 0.00	36.96 1.01 0.00	34.40 0.87 0.00	37.90 0.99 0.00	71.21 1.55 0.00	76.36 1.42 0.00	90.15 1.86 0.00	60.75 1.36 0.00	51.57 1.13 0.00	41.64 0.89 0.00	39.87 0.83 0.00
GILBOA___4 23759	47.11 0.76 0.00	43.63 0.69 0.00	38.58 0.64 0.00	42.99 0.71 0.00	41.73 0.75 0.00	56.04 0.98 0.00	53.63 0.97 0.00	44.01 0.83 0.00	37.79 0.79 0.00	36.89 0.80 0.00	37.60 0.89 0.00	32.52 0.83 0.00	37.90 0.97 0.00	33.86 0.91 0.00	36.96 1.01 0.00	34.40 0.87 0.00	37.90 0.99 0.00	71.21 1.55 0.00	76.36 1.42 0.00	90.15 1.86 0.00	60.75 1.36 0.00	51.57 1.13 0.00	41.64 0.89 0.00	39.87 0.83 0.00
GILBOA___ 23599	47.11 0.76 0.00	43.63 0.69 0.00	38.58 0.65 0.00	42.99 0.71 0.00	41.73 0.75 0.00	56.05 0.98 0.00	53.63 0.97 0.00	44.01 0.83 0.00	37.79 0.79 0.00	36.90 0.80 0.00	37.60 0.89 0.00	32.52 0.83 0.00	37.90 0.98 0.00	33.86 0.91 0.00	36.97 1.02 0.00	34.40 0.87 0.00	37.90 0.99 0.00	71.21 1.55 0.00	76.37 1.43 0.00	90.16 1.87 0.00	60.75 1.36 0.00	51.57 1.13 0.00	41.64 0.89 0.00	39.87 0.83 0.00
GINNA___ 23603	42.52 -3.83 0.00	39.37 -3.58 0.00	34.71 -3.23 0.00	38.82 -3.46 0.00	37.49 -3.50 0.00	50.72 -4.34 0.00	48.56 -4.09 0.00	39.86 -3.32 0.00	34.11 -2.89 0.00	33.35 -2.74 0.00	33.65 -3.07 0.00	28.89 -2.80 0.00	33.75 -3.17 0.00	30.05 -2.90 0.00	32.72 -3.23 0.00	30.66 -2.87 0.00	33.88 -3.04 0.00	64.42 -5.23 0.00	69.44 -5.49 0.00	81.55 -6.74 0.00	54.74 -4.65 0.00	46.08 -4.36 0.00	37.26 -3.49 0.00	35.80 -3.24 0.00
GLEN PARK___ 23778	45.62 -0.73 0.00	42.13 -0.82 0.00	37.33 -0.61 0.00	41.79 -0.49 0.00	40.93 -0.06 0.00	54.76 -0.31 0.00	51.95 -0.70 0.00	43.45 -0.76 -1.04	36.70 -1.57 -1.27	36.24 -2.19 -2.34	39.60 -2.44 -5.32	37.09 -2.29 -7.69	42.62 -2.72 -8.41	38.34 -2.46 -7.85	41.43 -2.72 -8.20	38.88 -2.56 -7.91	43.01 -2.29 -8.39	81.27 -1.62 -13.23	88.85 -0.14 -14.05	104.12 -0.15 -15.99	70.93 -0.20 -11.74	60.10 -0.38 -10.04	44.02 -0.51 -3.79	38.47 -0.62 -0.06
GLENDALE_27_KV_LOAD 356172	48.01 1.66 0.00	44.38 1.44 0.00	39.40 1.46 0.00	43.83 1.56 0.00	42.56 1.57 0.00	57.06 1.99 0.00	54.74 2.08 0.00	45.12 1.94 0.00	38.92 1.92 0.00	38.22 2.12 0.00	39.12 2.40 0.00	33.60 1.91 0.00	39.14 2.21 0.00	35.00 2.05 0.00	38.23 2.28 0.00	35.71 2.18 0.00	39.26 2.34 0.00	73.17 3.52 0.00	78.70 3.77 0.00	92.85 4.56 0.00	62.61 3.22 0.00	53.22 2.78 0.00	42.96 2.21 0.00	41.05 2.00 0.00
GLENWOOD_IC_1_G5 23712	48.39 2.04 0.00	44.64 1.70 0.00	39.52 1.58 0.00	44.01 1.74 0.00	42.87 1.88 0.00	57.74 2.67 0.00	55.28 2.63 0.00	45.49 2.31 0.00	39.00 2.00 0.00	37.96 1.87 0.00	39.01 2.30 0.00	33.34 1.65 0.00	38.81 1.88 0.00	34.69 1.74 0.00	37.97 2.02 0.00	35.59 2.07 0.00	39.35 2.43 0.00	73.52 3.87 0.00	79.01 4.07 0.00	93.16 4.87 0.00	62.83 3.44 0.00	53.51 3.06 0.00	43.11 2.36 0.00	41.21 2.17 0.00
GLENWOOD_IC_2_G1 23688	48.27 1.92 0.00	44.54 1.59 0.00	39.42 1.48 0.00	43.91 1.63 0.00	42.76 1.77 0.00	57.59 2.53 0.00	55.13 2.47 0.00	45.37 2.19 0.00	38.89 1.89 0.00	37.88 1.78 0.00	38.91 2.20 0.00	33.26 1.57 0.00	38.72 1.79 0.00	34.62 1.67 0.00	37.88 1.93 0.00	35.49 1.96 0.00	39.25 2.33 0.00	73.32 3.66 0.00	78.77 3.84 0.00	92.89 4.60 0.00	62.64 3.25 0.00	53.38 2.93 0.00	42.99 2.24 0.00	41.11 2.07 0.00
GLENWOOD_IC_3_G1 23689	48.27 1.92 0.00	44.54 1.59 0.00	39.42 1.48 0.00	43.91 1.63 0.00	42.76 1.77 0.00	57.59 2.53 0.00	55.13 2.47 0.00	45.37 2.19 0.00	38.89 1.89 0.00	37.88 1.78 0.00	38.91 2.20 0.00	33.26 1.57 0.00	38.72 1.79 0.00	34.62 1.67 0.00	37.88 1.93 0.00	35.49 1.96 0.00	39.25 2.33 0.00	73.32 3.66 0.00	78.77 3.84 0.00	92.89 4.60 0.00	62.64 3.25 0.00	53.38 2.93 0.00	42.99 2.24 0.00	41.11 2.07 0.00
GLENWOOD___4 23550	48.39 2.04 0.00	44.64 1.70 0.00	39.52 1.58 0.00	44.01 1.74 0.00	42.87 1.88 0.00	57.74 2.67 0.00	55.28 2.63 0.00	45.49 2.31 0.00	39.00 2.00 0.00	37.96 1.87 0.00	39.01 2.30 0.00	33.34 1.65 0.00	38.81 1.88 0.00	34.69 1.74 0.00	37.97 2.02 0.00	35.59 2.07 0.00	39.35 2.43 0.00	73.52 3.87 0.00	79.01 4.07 0.00	93.16 4.87 0.00	62.83 3.44 0.00	53.51 3.06 0.00	43.11 2.36 0.00	41.21 2.17 0.00
GLENWOOD___5 23614	48.39 2.04 0.00	44.64 1.70 0.00	39.52 1.58 0.00	44.01 1.74 0.00	42.87 1.88 0.00	57.74 2.67 0.00	55.28 2.63 0.00	45.49 2.31 0.00	39.00 2.00 0.00	37.96 1.87 0.00	39.01 2.30 0.00	33.34 1.65 0.00	38.81 1.88 0.00	34.69 1.74 0.00	37.97 2.02 0.00	35.59 2.07 0.00	39.35 2.43 0.00	73.52 3.87 0.00	79.01 4.07 0.00	93.16 4.87 0.00	62.83 3.44 0.00	53.51 3.06 0.00	43.11 2.36 0.00	41.21 2.17 0.00
GLOBAL GREEN_PORT_GT1 23814	48.57 2.22 0.00	44.33 1.38 0.00	39.04 1.11 0.00	44.09 1.81 0.00	43.47 2.48 0.00	59.96 4.90 0.00	57.28 4.63 0.00	46.81 3.63 0.00	39.07 2.08 0.00	36.91 0.81 0.00	37.83 1.11 0.00	32.08 0.39 0.00	37.22 0.29 0.00	33.28 0.33 0.00	36.52 0.57 0.00	34.49 0.96 0.00	38.59 1.68 0.00	72.15 2.49 0.00	77.88 2.94 0.00	91.78 3.49 0.00	61.79 2.41 0.00	52.91 2.47 0.00	42.35 1.61 0.00	40.42 1.38 0.00
GLOBE___DSASP 323697	41.62 -4.73 0.00	38.28 -4.35 0.31	28.22 -4.08 5.64	34.36 -4.36 3.56	36.22 -4.50 0.27	43.16 -5.50 6.41	38.28 -5.37 9.00	31.50 -4.34 7.34	26.67 -3.88 6.45	26.78 -3.56 5.75	27.26 -3.79 5.67	23.51 -3.02 5.16	27.49 -3.75 5.69	23.92 -3.49 5.54	26.22 -3.86 5.86	24.83 -3.33 5.37	27.25 -3.76 5.90	52.27 -6.84 10.55	56.56 -7.22 11.15	66.64 -9.05 12.59	47.92 -6.07 5.40	43.14 -5.74 1.57	36.38 -4.37 0.00	35.24 -3.80 0.00
GOETHSLN___LBMP 323567	47.39 1.04 0.00	43.80 0.85 0.00	38.86 0.92 0.00	43.30 1.03 0.00	42.05 1.06 0.00	56.36 1.29 0.00	54.05 1.39 0.00	44.54 1.36 0.00	38.39 1.39 0.00	37.67 1.57 0.00	38.55 1.83 0.00	33.08 1.39 0.00	38.60 1.67 0.00	34.49 1.54 0.00	37.68 1.73 0.00	35.17 1.65 0.00	38.57 1.75 0.09	72.03 2.50 0.12	77.57 2.64 0.00	91.43 3.14 0.00	61.67 2.28 0.00	52.43 1.99 0.00	42.32 1.57 0.00	40.46 1.42 0.00
GOLAH___69_KV_TB 1_2 80279	44.35 -2.00 0.00	40.99 -1.89 0.07	34.88 -1.84 1.22	39.62 -1.89 0.77	38.93 -2.00 0.06	51.45 -2.24 1.38	48.58 -2.14 1.94	39.92 -1.68 1.58	34.02 -1.59 1.39	33.34 -1.52 1.24	33.66 -1.84 1.22	29.06 -1.51 1.11	33.78 -1.93 1.23	29.89 -1.86 1.19	32.63 -2.05 1.26	30.63 -1.74 1.16	33.82 -1.82 1.27	64.72 -2.66 2.27	70.03 -2.50 2.40	82.30 -3.28 2.71	55.97 -2.26 1.17	47.67 -2.44 0.34	38.87 -1.88 0.00	37.41 -1.63 0.00

GOODYEAR_LAKE_HYD 323669	47.56 1.21 0.00	44.02 1.07 0.00	38.84 0.90 0.00	43.33 1.05 0.00	41.97 0.98 0.00	56.38 1.31 0.00	53.96 1.30 0.00	44.27 1.09 0.00	37.90 0.90 0.00	36.96 0.86 0.00	37.59 0.87 0.00	32.47 0.78 0.00	37.80 0.88 0.00	33.73 0.78 0.00	36.79 0.84 0.00	34.30 0.77 0.00	37.89 0.98 0.00	71.85 2.19 0.00	77.30 2.36 0.00	91.05 2.76 0.00	61.26 1.87 0.00	51.88 1.43 0.00	41.85 1.11 0.00	40.05 1.01 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	45.76 -0.59 0.00	42.29 -0.66 0.00	37.21 -0.73 0.00	41.62 -0.66 0.00	40.28 -0.71 0.00	54.21 -0.86 0.00	51.90 -0.76 0.00	42.54 -0.64 0.00	36.50 -0.50 0.00	35.68 -0.41 0.00	36.10 -0.62 0.00	31.22 -0.47 0.00	36.44 -0.49 0.00	32.49 -0.46 0.00	35.38 -0.57 0.00	32.95 -0.58 0.00	36.28 -0.63 0.00	68.80 -0.85 0.00	74.15 -0.78 0.00	87.28 -1.01 0.00	58.77 -0.62 0.00	49.65 -0.80 0.00	40.07 -0.68 0.00	38.41 -0.63 0.00
GOUDEY___7 23579	45.76 -0.59 0.00	42.29 -0.66 0.00	37.21 -0.73 0.00	41.62 -0.66 0.00	40.28 -0.71 0.00	54.21 -0.86 0.00	51.90 -0.76 0.00	42.54 -0.64 0.00	36.50 -0.50 0.00	35.68 -0.41 0.00	36.10 -0.62 0.00	31.22 -0.47 0.00	36.44 -0.49 0.00	32.49 -0.46 0.00	35.38 -0.57 0.00	32.95 -0.58 0.00	36.28 -0.63 0.00	68.80 -0.85 0.00	74.15 -0.78 0.00	87.28 -1.01 0.00	58.77 -0.62 0.00	49.65 -0.80 0.00	40.07 -0.68 0.00	38.41 -0.63 0.00
GOUDEY___8 23580	45.76 -0.59 0.00	42.29 -0.66 0.00	37.21 -0.73 0.00	41.62 -0.66 0.00	40.28 -0.71 0.00	54.21 -0.86 0.00	51.90 -0.76 0.00	42.54 -0.64 0.00	36.50 -0.50 0.00	35.68 -0.41 0.00	36.10 -0.62 0.00	31.22 -0.47 0.00	36.44 -0.49 0.00	32.49 -0.46 0.00	35.38 -0.57 0.00	32.95 -0.58 0.00	36.28 -0.63 0.00	68.80 -0.85 0.00	74.15 -0.78 0.00	87.28 -1.01 0.00	58.77 -0.62 0.00	49.65 -0.80 0.00	40.07 -0.68 0.00	38.41 -0.63 0.00
GOWANUS_GT1_1 24077	61.58 1.74 -13.48	61.03 1.53 -16.55	59.99 1.51 -20.53	59.95 1.63 -16.05	59.96 1.65 -17.32	60.96 2.08 -3.81	60.23 2.18 -5.40	61.49 2.00 -16.31	60.97 1.93 -22.03	60.57 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.05 2.24 -20.88	58.90 2.09 -23.87	58.97 2.31 -20.72	59.81 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.57 4.58 -14.70	73.33 3.33 -10.61	61.76 2.89 -8.43	61.45 2.31 -18.39	60.65 2.12 -19.49
GOWANUS_GT1_2 24078	61.58 1.74 -13.48	61.03 1.53 -16.55	59.99 1.51 -20.53	59.95 1.63 -16.05	59.96 1.65 -17.32	60.96 2.08 -3.81	60.23 2.18 -5.40	61.49 2.00 -16.31	60.97 1.93 -22.03	60.57 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.05 2.24 -20.88	58.90 2.09 -23.87	58.97 2.31 -20.72	59.81 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.57 4.58 -14.70	73.33 3.33 -10.61	61.76 2.89 -8.43	61.45 2.31 -18.39	60.65 2.12 -19.49
GOWANUS_GT1_3 24079	61.58 1.74 -13.48	61.03 1.53 -16.55	59.99 1.51 -20.53	59.95 1.63 -16.05	59.96 1.65 -17.32	60.96 2.08 -3.81	60.23 2.18 -5.40	61.49 2.00 -16.31	60.97 1.93 -22.03	60.57 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.05 2.24 -20.88	58.90 2.09 -23.87	58.97 2.31 -20.72	59.81 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.57 4.58 -14.70	73.33 3.33 -10.61	61.76 2.89 -8.43	61.45 2.31 -18.39	60.65 2.12 -19.49
GOWANUS_GT1_4 24080	61.58 1.74 -13.48	61.03 1.53 -16.55	59.99 1.51 -20.53	59.95 1.63 -16.05	59.96 1.65 -17.32	60.96 2.08 -3.81	60.23 2.18 -5.40	61.49 2.00 -16.31	60.97 1.93 -22.03	60.57 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.05 2.24 -20.88	58.90 2.09 -23.87	58.97 2.31 -20.72	59.81 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.57 4.58 -14.70	73.33 3.33 -10.61	61.76 2.89 -8.43	61.45 2.31 -18.39	60.65 2.12 -19.49
GOWANUS_GT1_5 24084	61.58 1.74 -13.48	61.03 1.53 -16.55	59.99 1.51 -20.53	59.95 1.63 -16.05	59.96 1.65 -17.32	60.96 2.08 -3.81	60.23 2.18 -5.40	61.49 2.00 -16.31	60.97 1.93 -22.03	60.57 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.05 2.24 -20.88	58.90 2.09 -23.87	58.97 2.31 -20.72	59.81 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.57 4.58 -14.70	73.33 3.33 -10.61	61.76 2.89 -8.43	61.45 2.31 -18.39	60.65 2.12 -19.49
GOWANUS_GT1_6 24111	61.58 1.74 -13.48	61.03 1.53 -16.55	59.99 1.51 -20.53	59.95 1.63 -16.05	59.96 1.65 -17.32	60.96 2.08 -3.81	60.23 2.18 -5.40	61.49 2.00 -16.31	60.97 1.93 -22.03	60.57 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.05 2.24 -20.88	58.90 2.09 -23.87	58.97 2.31 -20.72	59.81 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.57 4.58 -14.70	73.33 3.33 -10.61	61.76 2.89 -8.43	61.45 2.31 -18.39	60.65 2.12 -19.49
GOWANUS_GT1_7 24112	61.58 1.74 -13.48	61.03 1.53 -16.55	59.99 1.51 -20.53	59.95 1.63 -16.05	59.96 1.65 -17.32	60.96 2.08 -3.81	60.23 2.18 -5.40	61.49 2.00 -16.31	60.97 1.93 -22.03	60.57 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.05 2.24 -20.88	58.90 2.09 -23.87	58.97 2.31 -20.72	59.81 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.57 4.58 -14.70	73.33 3.33 -10.61	61.76 2.89 -8.43	61.45 2.31 -18.39	60.65 2.12 -19.49
GOWANUS_GT1_8 24113	61.58 1.74 -13.48	61.03 1.53 -16.55	59.99 1.51 -20.53	59.95 1.63 -16.05	59.96 1.65 -17.32	60.96 2.08 -3.81	60.23 2.18 -5.40	61.49 2.00 -16.31	60.97 1.93 -22.03	60.57 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.05 2.24 -20.88	58.90 2.09 -23.87	58.97 2.31 -20.72	59.81 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.57 4.58 -14.70	73.33 3.33 -10.61	61.76 2.89 -8.43	61.45 2.31 -18.39	60.65 2.12 -19.49
GOWANUS_GT2_1 24114	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
GOWANUS_GT2_2 24115	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
GOWANUS_GT2_3 24116	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49

GOWANUS_GT2_4 24117	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
GOWANUS_GT2_5 24118	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
GOWANUS_GT2_6 24119	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
GOWANUS_GT2_7 24120	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
GOWANUS_GT2_8 24121	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
GOWANUS_GT3_1 24122	61.58 1.74 -13.48	61.04 1.53 -16.55	59.98 1.51 -20.53	59.94 1.61 -16.05	59.95 1.65 -17.32	60.95 2.07 -3.81	60.22 2.16 -5.40	61.49 2.00 -16.31	60.95 1.91 -22.03	60.56 2.11 -22.35	61.41 2.47 -22.23	60.27 1.98 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.96 2.30 -20.72	59.80 2.22 -24.05	60.16 2.41 -20.84	77.71 3.54 -4.51	86.78 3.80 -8.05	107.54 4.54 -14.70	73.32 3.32 -10.61	61.76 2.89 -8.43	61.45 2.32 -18.39	60.66 2.13 -19.49
GOWANUS_GT3_2 24123	61.58 1.74 -13.48	61.04 1.53 -16.55	59.98 1.51 -20.53	59.94 1.61 -16.05	59.95 1.65 -17.32	60.95 2.07 -3.81	60.22 2.16 -5.40	61.49 2.00 -16.31	60.95 1.91 -22.03	60.56 2.11 -22.35	61.41 2.47 -22.23	60.27 1.98 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.96 2.30 -20.72	59.80 2.22 -24.05	60.16 2.41 -20.84	77.71 3.54 -4.51	86.78 3.80 -8.05	107.54 4.54 -14.70	73.32 3.32 -10.61	61.76 2.89 -8.43	61.45 2.32 -18.39	60.66 2.13 -19.49
GOWANUS_GT3_3 24124	61.58 1.74 -13.48	61.04 1.53 -16.55	59.98 1.51 -20.53	59.94 1.61 -16.05	59.95 1.65 -17.32	60.95 2.07 -3.81	60.22 2.16 -5.40	61.49 2.00 -16.31	60.95 1.91 -22.03	60.56 2.11 -22.35	61.41 2.47 -22.23	60.27 1.98 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.96 2.30 -20.72	59.80 2.22 -24.05	60.16 2.41 -20.84	77.71 3.54 -4.51	86.78 3.80 -8.05	107.54 4.54 -14.70	73.32 3.32 -10.61	61.76 2.89 -8.43	61.45 2.32 -18.39	60.66 2.13 -19.49
GOWANUS_GT3_4 24125	61.58 1.74 -13.48	61.04 1.53 -16.55	59.98 1.51 -20.53	59.94 1.61 -16.05	59.95 1.65 -17.32	60.95 2.07 -3.81	60.22 2.16 -5.40	61.49 2.00 -16.31	60.95 1.91 -22.03	60.56 2.11 -22.35	61.41 2.47 -22.23	60.27 1.98 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.96 2.30 -20.72	59.80 2.22 -24.05	60.16 2.41 -20.84	77.71 3.54 -4.51	86.78 3.80 -8.05	107.54 4.54 -14.70	73.32 3.32 -10.61	61.76 2.89 -8.43	61.45 2.32 -18.39	60.66 2.13 -19.49
GOWANUS_GT3_5 24126	61.58 1.74 -13.48	61.04 1.53 -16.55	59.98 1.51 -20.53	59.94 1.61 -16.05	59.95 1.65 -17.32	60.95 2.07 -3.81	60.22 2.16 -5.40	61.49 2.00 -16.31	60.95 1.91 -22.03	60.56 2.11 -22.35	61.41 2.47 -22.23	60.27 1.98 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.96 2.30 -20.72	59.80 2.22 -24.05	60.16 2.41 -20.84	77.71 3.54 -4.51	86.78 3.80 -8.05	107.54 4.54 -14.70	73.32 3.32 -10.61	61.76 2.89 -8.43	61.45 2.32 -18.39	60.66 2.13 -19.49
GOWANUS_GT3_6 24127	61.58 1.74 -13.48	61.04 1.53 -16.55	59.98 1.51 -20.53	59.94 1.61 -16.05	59.95 1.65 -17.32	60.95 2.07 -3.81	60.22 2.16 -5.40	61.49 2.00 -16.31	60.95 1.91 -22.03	60.56 2.11 -22.35	61.41 2.47 -22.23	60.27 1.98 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.96 2.30 -20.72	59.80 2.22 -24.05	60.16 2.41 -20.84	77.71 3.54 -4.51	86.78 3.80 -8.05	107.54 4.54 -14.70	73.32 3.32 -10.61	61.76 2.89 -8.43	61.45 2.32 -18.39	60.66 2.13 -19.49
GOWANUS_GT3_7 24128	61.58 1.74 -13.48	61.04 1.53 -16.55	59.98 1.51 -20.53	59.94 1.61 -16.05	59.95 1.65 -17.32	60.95 2.07 -3.81	60.22 2.16 -5.40	61.49 2.00 -16.31	60.95 1.91 -22.03	60.56 2.11 -22.35	61.41 2.47 -22.23	60.27 1.98 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.96 2.30 -20.72	59.80 2.22 -24.05	60.16 2.41 -20.84	77.71 3.54 -4.51	86.78 3.80 -8.05	107.54 4.54 -14.70	73.32 3.32 -10.61	61.76 2.89 -8.43	61.45 2.32 -18.39	60.66 2.13 -19.49
GOWANUS_GT3_8 24129	61.58 1.74 -13.48	61.04 1.53 -16.55	59.98 1.51 -20.53	59.94 1.61 -16.05	59.95 1.65 -17.32	60.95 2.07 -3.81	60.22 2.16 -5.40	61.49 2.00 -16.31	60.95 1.91 -22.03	60.56 2.11 -22.35	61.41 2.47 -22.23	60.27 1.98 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.96 2.30 -20.72	59.80 2.22 -24.05	60.16 2.41 -20.84	77.71 3.54 -4.51	86.78 3.80 -8.05	107.54 4.54 -14.70	73.32 3.32 -10.61	61.76 2.89 -8.43	61.45 2.32 -18.39	60.66 2.13 -19.49
GOWANUS_GT4_1 24130	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
GOWANUS_GT4_2 24131	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49

GOWANUS_GT4_3 24132	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
GOWANUS_GT4_4 24133	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
GOWANUS_GT4_5 24134	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
GOWANUS_GT4_6 24135	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
GOWANUS_GT4_7 24136	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
GOWANUS_GT4_8 24137	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
GREENBSH_115KV_TB3 55895	47.85 1.50 0.00	44.33 1.38 0.00	39.21 1.27 0.00	43.67 1.39 0.00	42.43 1.44 0.00	56.99 1.92 0.00	54.50 1.84 0.00	44.69 1.51 0.00	38.40 1.40 0.00	37.44 1.35 0.00	38.11 1.40 0.00	32.90 1.21 0.00	38.34 1.41 0.00	34.25 1.30 0.00	37.41 1.46 0.00	34.95 1.42 0.00	38.57 1.65 0.00	72.42 2.76 0.00	77.68 2.74 0.00	91.69 3.40 0.00	61.70 2.31 0.00	52.41 1.97 0.00	42.33 1.58 0.00	40.51 1.47 0.00
GREENEDGE_115KV_TB5 80291	45.12 -1.23 0.00	42.31 -1.22 -0.58	47.09 -1.31 -10.46	47.50 -1.38 -6.60	39.98 -1.51 -0.50	65.03 -1.93 -11.89	67.59 -1.76 -16.69	55.58 -1.21 -13.61	47.97 -1.00 -11.97	45.77 -1.00 -10.67	45.70 -1.53 -10.51	39.95 -1.31 -9.58	45.93 -1.55 -10.55	41.67 -1.55 -10.27	45.00 -1.83 -10.88	41.81 -1.68 -9.96	46.27 -1.60 -10.95	87.16 -2.08 -19.58	93.99 -1.64 -20.69	109.63 -2.01 -23.36	68.14 -1.27 -10.01	51.94 -1.41 -2.90	39.54 -1.21 0.00	37.91 -1.14 0.00
GREENIDGE___3 23582	45.12 -1.23 0.00	42.31 -1.22 -0.58	47.09 -1.31 -10.46	47.50 -1.38 -6.60	39.98 -1.51 -0.50	65.03 -1.93 -11.89	67.59 -1.76 -16.69	55.58 -1.21 -13.61	47.97 -1.00 -11.97	45.77 -1.00 -10.67	45.70 -1.53 -10.51	39.95 -1.31 -9.58	45.93 -1.55 -10.55	41.67 -1.55 -10.27	45.00 -1.83 -10.88	41.81 -1.68 -9.96	46.27 -1.60 -10.95	87.16 -2.08 -19.58	93.99 -1.64 -20.69	109.63 -2.01 -23.36	68.14 -1.27 -10.01	51.94 -1.41 -2.90	39.54 -1.21 0.00	37.91 -1.14 0.00
GREENIDGE___4 23583	45.12 -1.23 0.00	42.31 -1.23 -0.58	47.10 -1.30 -10.46	47.51 -1.37 -6.60	39.99 -1.50 -0.50	65.04 -1.92 -11.89	67.59 -1.76 -16.69	55.58 -1.22 -13.61	47.97 -0.99 -11.97	45.79 -0.98 -10.67	45.71 -1.52 -10.51	39.97 -1.30 -9.58	45.94 -1.54 -10.55	41.68 -1.54 -10.27	45.01 -1.81 -10.88	41.81 -1.68 -9.96	46.28 -1.59 -10.95	87.16 -2.07 -19.58	94.00 -1.63 -20.69	109.67 -1.98 -23.36	68.12 -1.29 -10.01	51.91 -1.43 -2.90	39.53 -1.22 0.00	37.90 -1.14 0.00
GREENLWN_69_KV_BK 3 55738	48.19 1.83 0.00	44.45 1.50 0.00	39.34 1.40 0.00	43.80 1.53 0.00	42.72 1.73 0.00	57.65 2.58 0.00	55.12 2.46 0.00	45.37 2.19 0.00	38.84 1.84 0.00	37.74 1.64 0.00	38.80 2.08 0.00	33.12 1.43 0.00	38.49 1.56 0.00	34.41 1.46 0.00	37.68 1.73 0.00	35.35 1.82 0.00	39.17 2.26 0.00	73.00 3.34 0.00	78.26 3.32 0.00	92.32 4.03 0.00	62.29 2.90 0.00	53.18 2.74 0.00	42.86 2.11 0.00	41.03 1.99 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49
GRISSOM___SOLAR 323813	48.67 2.32 0.00	45.13 2.18 0.00	39.82 1.88 0.00	44.32 2.04 0.00	42.98 1.99 0.00	57.79 2.72 0.00	55.25 2.59 0.00	45.16 1.98 0.00	38.07 1.07 0.00	36.04 -0.05 0.00	36.65 -0.07 0.00	31.74 0.05 0.00	37.00 0.07 0.00	33.03 0.08 0.00	36.08 0.12 0.00	33.74 0.21 0.00	37.98 1.06 0.00	73.41 3.75 0.00	79.18 4.24 0.00	93.32 5.03 0.00	62.71 3.33 0.00	53.14 2.70 0.00	42.86 2.11 0.00	40.99 1.95 0.00
GROVEVILLE___HYD 323602	48.11 1.75 0.00	44.50 1.56 0.00	39.40 1.46 0.00	43.90 1.62 0.00	42.63 1.64 0.00	57.24 2.17 0.00	54.86 2.20 0.00	45.07 1.89 0.00	38.73 1.73 0.00	37.87 1.77 0.00	38.63 1.92 0.00	33.20 1.51 0.00	38.73 1.80 0.00	34.62 1.67 0.00	37.84 1.89 0.00	35.38 1.85 0.00	39.03 2.11 0.00	73.21 3.55 0.00	78.72 3.78 0.00	92.78 4.50 0.00	62.48 3.09 0.00	53.08 2.64 0.00	42.80 2.05 0.00	40.91 1.86 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	45.53 -0.82 0.00	42.13 -0.81 0.00	37.19 -0.75 0.00	41.57 -0.72 0.00	40.25 -0.74 0.00	54.19 -0.88 0.00	51.89 -0.77 0.00	42.57 -0.60 0.00	36.44 -0.56 0.00	35.55 -0.55 0.00	36.03 -0.68 0.00	31.10 -0.59 0.00	36.26 -0.67 0.00	32.31 -0.64 0.00	35.21 -0.74 0.00	32.79 -0.74 0.00	36.09 -0.83 0.00	68.41 -1.25 0.00	73.72 -1.22 0.00	86.79 -1.50 0.00	58.36 -1.02 0.00	49.33 -1.12 0.00	39.83 -0.92 0.00	38.17 -0.87 0.00

HAMLTNNY_34_KV_TB 80303	45.60 -0.75 0.00	42.18 -0.77 0.00	37.24 -0.70 0.00	41.61 -0.66 0.00	40.26 -0.73 0.00	54.26 -0.81 0.00	51.95 -0.70 0.00	42.65 -0.53 0.00	36.46 -0.54 0.00	35.52 -0.58 0.00	36.00 -0.72 0.00	31.00 -0.69 0.00	36.18 -0.76 0.00	32.21 -0.74 0.00	35.14 -0.82 0.00	32.75 -0.78 0.00	36.05 -0.86 0.00	68.47 -1.19 0.00	73.82 -1.12 0.00	86.95 -1.34 0.00	58.46 -0.93 0.00	49.35 -1.09 0.00	39.88 -0.87 0.00	38.21 -0.83 0.00
HAMPSHIRE___PAPER_HYD 323593	46.01 -0.34 0.00	42.60 -0.34 0.00	37.65 -0.29 0.00	41.97 -0.31 0.00	40.89 -0.10 0.00	54.53 -0.53 0.00	51.79 -0.86 0.00	45.24 -0.81 -2.88	39.35 -1.18 -3.53	41.12 -1.48 -6.50	49.91 -1.60 -14.79	51.60 -1.47 -21.38	58.56 -1.75 -23.39	53.21 -1.56 -21.81	57.04 -1.72 -22.81	53.95 -1.57 -21.99	58.71 -1.54 -23.33	105.01 -1.43 -36.79	113.31 -0.69 -39.06	131.85 -0.89 -44.44	91.48 -0.55 -32.64	78.06 -0.28 -27.90	50.95 -0.32 -10.51	38.87 -0.33 -0.16
HARDSCRABBLE_WT_PWR 323673	46.60 0.24 0.00	43.36 0.41 0.00	38.37 0.43 0.00	42.36 0.09 0.00	41.28 0.29 0.00	55.45 0.39 0.00	53.01 0.36 0.00	43.34 0.16 0.00	37.06 0.06 0.00	35.58 -0.51 0.00	36.20 -0.52 0.00	31.28 -0.41 0.00	36.48 -0.45 0.00	32.69 -0.26 0.00	35.79 -0.17 -0.01	33.49 -0.04 0.00	37.32 0.41 0.00	70.45 0.79 0.00	75.62 0.69 0.00	89.40 1.11 0.00	60.21 0.82 0.00	51.26 0.82 0.00	41.28 0.54 0.00	39.48 0.43 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	47.57 1.21 0.00	44.02 1.07 0.00	38.93 0.99 0.00	43.41 1.13 0.00	42.13 1.14 0.00	56.57 1.50 0.00	54.24 1.58 0.00	44.55 1.37 0.00	38.26 1.26 0.00	37.48 1.39 0.00	38.24 1.52 0.00	32.85 1.16 0.00	38.32 1.39 0.00	34.27 1.32 0.00	37.44 1.49 0.00	34.96 1.43 0.00	38.56 1.65 0.00	72.35 2.69 0.00	77.82 2.88 0.00	91.66 3.37 0.00	61.74 2.35 0.00	52.46 2.01 0.00	42.31 1.56 0.00	40.47 1.43 0.00
HARSNRAD_115KV_TB1 81005	42.34 -4.01 0.00	38.82 -3.72 0.40	27.16 -3.61 7.16	33.93 -3.82 4.52	36.72 -3.93 0.34	42.14 -4.78 8.15	36.54 -4.68 11.43	30.10 -3.76 9.32	25.41 -3.39 8.20	25.64 -3.15 7.31	26.07 -3.44 7.20	22.55 -2.58 6.56	26.30 -3.40 7.23	22.68 -3.23 7.04	24.91 -3.59 7.45	23.62 -3.08 6.82	25.98 -3.44 7.50	50.30 -5.95 13.41	54.66 -6.11 14.17	64.61 -7.68 16.00	47.40 -5.13 6.86	43.51 -4.95 1.99	37.08 -3.67 0.00	35.83 -3.22 0.00
HARZA MOOSE___RIVER 24016	46.26 -0.10 0.00	42.83 -0.12 0.00	37.89 -0.05 0.00	42.29 0.02 0.00	41.20 0.21 0.00	55.18 0.11 0.00	52.57 -0.08 0.00	43.68 -0.13 -0.63	37.36 -0.41 -0.77	36.85 -0.67 -1.42	39.11 -0.84 -3.23	35.52 -0.84 -4.67	41.08 -0.96 -5.11	36.82 -0.90 -4.77	40.01 -0.93 -4.99	37.52 -0.82 -4.80	41.44 -0.57 -5.10	77.60 -0.09 -8.04	83.88 0.41 -8.54	98.44 0.43 -9.71	66.71 0.19 -7.13	56.64 0.10 -6.10	43.00 -0.05 -2.30	38.98 -0.10 -0.04
HDSNBRDG_115KV_BRDG_TB1 355580	45.16 -1.20 0.00	41.79 -1.16 0.00	36.92 -1.02 0.00	41.23 -1.05 0.00	39.93 -1.06 0.00	53.76 -1.31 0.00	51.45 -1.21 0.00	42.21 -0.97 0.00	36.15 -0.84 0.00	35.32 -0.78 0.00	35.81 -0.90 0.00	30.91 -0.78 0.00	36.03 -0.90 0.00	32.12 -0.83 0.00	35.00 -0.95 0.00	32.59 -0.94 0.00	35.85 -1.07 0.00	67.84 -1.81 0.00	73.11 -1.83 0.00	86.07 -2.22 0.00	57.85 -1.53 0.00	48.93 -1.51 0.00	39.51 -1.24 0.00	37.86 -1.19 0.00
HELLGATE_13_KV_LD 55870	47.78 1.43 0.00	44.19 1.24 0.00	39.27 1.33 0.00	43.65 1.38 0.00	42.40 1.41 0.00	56.84 1.77 0.00	54.51 1.86 0.00	44.94 1.76 0.00	38.77 1.77 0.00	38.07 1.97 0.00	38.97 2.25 0.00	33.45 1.77 0.00	38.98 2.05 0.00	34.86 1.91 0.00	38.07 2.12 0.00	35.56 2.03 0.00	39.08 2.17 0.00	72.82 3.16 0.00	78.31 3.37 0.00	92.38 4.10 0.00	62.30 2.91 0.00	52.96 2.52 0.00	42.76 2.01 0.00	40.87 1.83 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	47.78 1.43 0.00	44.19 1.24 0.00	39.27 1.33 0.00	43.65 1.38 0.00	42.40 1.41 0.00	56.84 1.77 0.00	54.51 1.86 0.00	44.94 1.76 0.00	38.77 1.77 0.00	38.07 1.97 0.00	38.97 2.25 0.00	33.45 1.77 0.00	38.98 2.05 0.00	34.86 1.91 0.00	38.07 2.12 0.00	35.56 2.03 0.00	39.08 2.17 0.00	72.82 3.16 0.00	78.31 3.37 0.00	92.38 4.10 0.00	62.30 2.91 0.00	52.96 2.52 0.00	42.76 2.01 0.00	40.87 1.83 0.00
HEMPSTEAD____ 23647	48.17 1.82 0.00	44.44 1.50 0.00	39.33 1.40 0.00	43.80 1.52 0.00	42.69 1.70 0.00	57.51 2.45 0.00	55.05 2.39 0.00	45.31 2.13 0.00	38.82 1.82 0.00	37.76 1.66 0.00	38.83 2.11 0.00	33.17 1.48 0.00	38.59 1.66 0.00	34.49 1.54 0.00	37.76 1.81 0.00	35.39 1.87 0.00	39.15 2.24 0.00	73.15 3.49 0.00	78.59 3.66 0.00	92.67 4.38 0.00	62.49 3.10 0.00	53.26 2.82 0.00	42.90 2.15 0.00	41.01 1.96 0.00
HEWLETT_69_KV_BK3 55828	48.52 2.17 0.00	44.80 1.85 0.00	39.63 1.69 0.00	44.14 1.86 0.00	42.97 1.98 0.00	57.85 2.78 0.00	55.37 2.72 0.00	45.57 2.39 0.00	39.06 2.06 0.00	38.05 1.95 0.00	39.13 2.42 0.00	33.44 1.75 0.00	38.90 1.97 0.00	34.78 1.83 0.00	38.07 2.12 0.00	35.69 2.17 0.00	39.45 2.54 0.00	73.72 4.07 0.00	79.17 4.23 0.00	93.39 5.11 0.00	63.01 3.62 0.00	53.71 3.26 0.00	43.26 2.51 0.00	41.35 2.31 0.00
HICKLING___1 23621	44.80 -1.56 0.00	41.55 -1.58 -0.19	39.61 -1.72 -3.39	42.61 -1.81 -2.14	39.21 -1.94 -0.16	56.55 -2.36 -3.85	55.96 -2.10 -5.41	45.88 -1.71 -4.41	39.50 -1.38 -3.88	38.28 -1.27 -3.46	38.42 -1.71 -3.40	33.41 -1.38 -3.10	38.80 -1.55 -3.42	34.82 -1.45 -3.33	37.75 -1.72 -3.52	35.08 -1.68 -3.23	38.69 -1.77 -3.55	73.50 -2.50 -6.34	79.40 -2.24 -6.70	93.10 -2.75 -7.57	60.90 -1.73 -3.25	49.44 -1.94 -0.94	39.13 -1.62 0.00	37.55 -1.49 0.00
HICKLING___2 23622	44.80 -1.56 0.00	41.55 -1.58 -0.19	39.61 -1.72 -3.39	42.61 -1.81 -2.14	39.21 -1.94 -0.16	56.55 -2.36 -3.85	55.96 -2.10 -5.41	45.88 -1.71 -4.41	39.50 -1.38 -3.88	38.28 -1.27 -3.46	38.42 -1.71 -3.40	33.41 -1.38 -3.10	38.80 -1.55 -3.42	34.82 -1.45 -3.33	37.75 -1.72 -3.52	35.08 -1.68 -3.23	38.69 -1.77 -3.55	73.50 -2.50 -6.34	79.40 -2.24 -6.70	93.10 -2.75 -7.57	60.90 -1.73 -3.25	49.44 -1.94 -0.94	39.13 -1.62 0.00	37.55 -1.49 0.00
HIGH FALLS___HY 23754	48.11 1.75 0.00	44.48 1.54 0.00	39.36 1.42 0.00	43.89 1.61 0.00	42.60 1.61 0.00	57.22 2.15 0.00	54.87 2.21 0.00	45.09 1.91 0.00	38.70 1.70 0.00	37.77 1.67 0.00	38.39 1.67 0.00	32.94 1.25 0.00	38.39 1.46 0.00	34.32 1.37 0.00	37.52 1.57 0.00	35.10 1.57 0.00	38.83 1.92 0.00	73.14 3.49 0.00	78.90 3.97 0.00	92.95 4.66 0.00	62.59 3.21 0.00	53.14 2.70 0.00	42.83 2.08 0.00	40.91 1.87 0.00
HIGH_RIVER___SOLAR 323847	47.91 1.56 0.00	44.41 1.47 0.00	39.24 1.30 0.00	43.69 1.41 0.00	42.39 1.40 0.00	56.96 1.90 0.00	54.49 1.84 0.00	44.52 1.34 0.00	37.88 0.88 0.00	36.36 0.27 0.00	36.96 0.25 0.00	31.90 0.21 0.00	37.19 0.26 0.00	33.17 0.21 0.00	36.32 0.37 0.00	34.02 0.50 0.00	37.85 0.94 0.00	72.29 2.64 0.00	77.84 2.90 0.00	91.76 3.47 0.00	61.70 2.31 0.00	52.36 1.92 0.00	42.25 1.51 0.00	40.45 1.41 0.00

HILLBURN___GT 23639	47.31 0.96 0.00	43.79 0.84 0.00	38.73 0.79 0.00	43.19 0.92 0.00	41.92 0.93 0.00	56.28 1.22 0.00	53.96 1.31 0.00	44.36 1.18 0.00	38.11 1.11 0.00	37.35 1.26 0.00	38.19 1.47 0.00	32.80 1.11 0.00	38.24 1.31 0.00	34.21 1.26 0.00	37.37 1.43 0.00	34.88 1.35 0.00	38.42 1.50 0.00	71.96 2.30 0.00	77.41 2.47 0.00	91.13 2.85 0.00	61.41 2.02 0.00	52.21 1.76 0.00	42.12 1.37 0.00	40.29 1.25 0.00
HILLSIDE_115KV_TB1 80332	44.57 -1.78 0.00	41.33 -1.79 -0.17	39.04 -1.92 -3.02	42.25 -1.94 -1.91	39.13 -2.00 -0.15	56.01 -2.49 -3.43	55.17 -2.31 -4.82	45.24 -1.87 -3.93	38.96 -1.49 -3.46	37.86 -1.31 -3.08	38.04 -1.71 -3.03	33.09 -1.36 -2.76	38.50 -1.47 -3.05	34.56 -1.36 -2.97	37.48 -1.61 -3.14	34.81 -1.59 -2.88	38.30 -1.78 -3.16	72.55 -2.76 -5.65	78.24 -2.67 -5.97	91.72 -3.32 -6.74	60.20 -2.08 -2.89	49.09 -2.19 -0.84	38.91 -1.84 0.00	37.30 -1.74 0.00
HISHELDN_WT_PWR 323625	42.06 -4.29 0.00	36.89 -4.06 1.99	-1.57 -3.93 35.58	15.46 -4.36 22.46	34.78 -4.50 1.71	9.09 -5.53 40.45	-9.32 -5.19 56.78	-7.29 -4.17 46.31	-7.30 -3.59 40.71	-3.63 -3.41 36.31	-2.92 -3.87 35.77	-4.13 -3.25 32.57	-2.89 -3.93 35.88	-5.65 -3.65 34.95	-5.14 -4.10 36.99	-4.13 -3.77 33.89	-4.34 -4.02 37.24	-3.71 -6.77 66.59	-2.22 -6.79 70.36	0.79 -8.05 79.46	19.81 -5.51 34.07	35.52 -5.05 9.87	36.88 -3.87 0.00	35.52 -3.52 0.00
HOLTSVILLE_IC_1 23690	48.23 1.88 0.00	44.43 1.49 0.00	39.33 1.39 0.00	43.82 1.54 0.00	42.88 1.89 0.00	58.16 3.09 0.00	55.56 2.91 0.00	45.74 2.56 0.00	38.92 1.92 0.00	37.64 1.54 0.00	38.67 1.95 0.00	32.93 1.24 0.00	38.23 1.30 0.00	34.19 1.24 0.00	37.47 1.51 0.00	35.23 1.70 0.00	39.18 2.27 0.00	73.16 3.51 0.00	78.65 3.71 0.00	92.70 4.41 0.00	62.46 3.08 0.00	53.39 2.95 0.00	42.90 2.15 0.00	41.04 2.00 0.00
HOLTSVILLE_IC_10 23699	48.41 2.06 0.00	44.59 1.64 0.00	39.45 1.51 0.00	43.95 1.67 0.00	43.02 2.03 0.00	58.40 3.34 0.00	55.82 3.16 0.00	45.95 2.77 0.00	39.05 2.06 0.00	37.74 1.65 0.00	38.79 2.08 0.00	33.01 1.32 0.00	38.30 1.37 0.00	34.25 1.30 0.00	37.54 1.59 0.00	35.32 1.80 0.00	39.35 2.43 0.00	73.49 3.83 0.00	79.06 4.12 0.00	93.18 4.89 0.00	62.77 3.38 0.00	53.66 3.22 0.00	43.09 2.34 0.00	41.21 2.17 0.00
HOLTSVILLE_IC_2 23691	48.23 1.88 0.00	44.43 1.49 0.00	39.33 1.39 0.00	43.82 1.54 0.00	42.88 1.89 0.00	58.16 3.09 0.00	55.56 2.91 0.00	45.74 2.56 0.00	38.92 1.92 0.00	37.64 1.54 0.00	38.67 1.95 0.00	32.93 1.24 0.00	38.23 1.30 0.00	34.19 1.24 0.00	37.47 1.51 0.00	35.23 1.70 0.00	39.18 2.27 0.00	73.16 3.51 0.00	78.65 3.71 0.00	92.70 4.41 0.00	62.46 3.08 0.00	53.39 2.95 0.00	42.90 2.15 0.00	41.04 2.00 0.00
HOLTSVILLE_IC_3 23692	48.23 1.88 0.00	44.43 1.49 0.00	39.33 1.39 0.00	43.82 1.54 0.00	42.88 1.89 0.00	58.16 3.09 0.00	55.56 2.91 0.00	45.74 2.56 0.00	38.92 1.92 0.00	37.64 1.54 0.00	38.67 1.95 0.00	32.93 1.24 0.00	38.23 1.30 0.00	34.19 1.24 0.00	37.47 1.51 0.00	35.23 1.70 0.00	39.18 2.27 0.00	73.16 3.51 0.00	78.65 3.71 0.00	92.70 4.41 0.00	62.46 3.08 0.00	53.39 2.95 0.00	42.90 2.15 0.00	41.04 2.00 0.00
HOLTSVILLE_IC_4 23693	48.23 1.88 0.00	44.43 1.49 0.00	39.33 1.39 0.00	43.82 1.54 0.00	42.88 1.89 0.00	58.16 3.09 0.00	55.56 2.91 0.00	45.74 2.56 0.00	38.92 1.92 0.00	37.64 1.54 0.00	38.67 1.95 0.00	32.93 1.24 0.00	38.23 1.30 0.00	34.19 1.24 0.00	37.47 1.51 0.00	35.23 1.70 0.00	39.18 2.27 0.00	73.16 3.51 0.00	78.65 3.71 0.00	92.70 4.41 0.00	62.46 3.08 0.00	53.39 2.95 0.00	42.90 2.15 0.00	41.04 2.00 0.00
HOLTSVILLE_IC_5 23694	48.23 1.88 0.00	44.43 1.49 0.00	39.33 1.39 0.00	43.82 1.54 0.00	42.88 1.89 0.00	58.16 3.09 0.00	55.56 2.91 0.00	45.74 2.56 0.00	38.92 1.92 0.00	37.64 1.54 0.00	38.67 1.95 0.00	32.93 1.24 0.00	38.23 1.30 0.00	34.19 1.24 0.00	37.47 1.51 0.00	35.23 1.70 0.00	39.18 2.27 0.00	73.16 3.51 0.00	78.65 3.71 0.00	92.70 4.41 0.00	62.46 3.08 0.00	53.39 2.95 0.00	42.90 2.15 0.00	41.04 2.00 0.00
HOLTSVILLE_IC_6 23695	48.41 2.06 0.00	44.59 1.64 0.00	39.45 1.51 0.00	43.95 1.67 0.00	43.02 2.03 0.00	58.40 3.34 0.00	55.82 3.16 0.00	45.95 2.77 0.00	39.05 2.06 0.00	37.74 1.65 0.00	38.79 2.08 0.00	33.01 1.32 0.00	38.30 1.37 0.00	34.25 1.30 0.00	37.54 1.59 0.00	35.32 1.80 0.00	39.35 2.43 0.00	73.49 3.83 0.00	79.06 4.12 0.00	93.18 4.89 0.00	62.77 3.38 0.00	53.66 3.22 0.00	43.09 2.34 0.00	41.21 2.17 0.00
HOLTSVILLE_IC_7 23696	48.41 2.06 0.00	44.59 1.64 0.00	39.45 1.51 0.00	43.95 1.67 0.00	43.02 2.03 0.00	58.40 3.34 0.00	55.82 3.16 0.00	45.95 2.77 0.00	39.05 2.06 0.00	37.74 1.65 0.00	38.79 2.08 0.00	33.01 1.32 0.00	38.30 1.37 0.00	34.25 1.30 0.00	37.54 1.59 0.00	35.32 1.80 0.00	39.35 2.43 0.00	73.49 3.83 0.00	79.06 4.12 0.00	93.18 4.89 0.00	62.77 3.38 0.00	53.66 3.22 0.00	43.09 2.34 0.00	41.21 2.17 0.00
HOLTSVILLE_IC_8 23697	48.41 2.06 0.00	44.59 1.64 0.00	39.45 1.51 0.00	43.95 1.67 0.00	43.02 2.03 0.00	58.40 3.34 0.00	55.82 3.16 0.00	45.95 2.77 0.00	39.05 2.06 0.00	37.74 1.65 0.00	38.79 2.08 0.00	33.01 1.32 0.00	38.30 1.37 0.00	34.25 1.30 0.00	37.54 1.59 0.00	35.32 1.80 0.00	39.35 2.43 0.00	73.49 3.83 0.00	79.06 4.12 0.00	93.18 4.89 0.00	62.77 3.38 0.00	53.66 3.22 0.00	43.09 2.34 0.00	41.21 2.17 0.00
HOLTSVILLE_IC_9 23698	48.41 2.06 0.00	44.59 1.64 0.00	39.45 1.51 0.00	43.95 1.67 0.00	43.02 2.03 0.00	58.40 3.34 0.00	55.82 3.16 0.00	45.95 2.77 0.00	39.05 2.06 0.00	37.74 1.65 0.00	38.79 2.08 0.00	33.01 1.32 0.00	38.30 1.37 0.00	34.25 1.30 0.00	37.54 1.59 0.00	35.32 1.80 0.00	39.35 2.43 0.00	73.49 3.83 0.00	79.06 4.12 0.00	93.18 4.89 0.00	62.77 3.38 0.00	53.66 3.22 0.00	43.09 2.34 0.00	41.21 2.17 0.00
HOMER_HL_115KV_TB2 355744	45.03 -1.33 0.00	41.43 -1.51 0.00	36.03 -1.92 0.00	40.61 -1.67 0.00	39.18 -1.81 0.00	53.07 -1.99 0.00	50.52 -2.14 0.00	41.19 -1.99 0.00	35.39 -1.61 0.00	34.77 -1.33 0.00	35.06 -1.66 0.00	30.60 -1.09 0.00	35.65 -1.28 0.00	31.75 -1.20 0.00	34.49 -1.46 0.00	32.20 -1.33 0.00	35.38 -1.54 0.00	67.22 -2.43 0.00	72.31 -2.63 0.00	84.82 -3.47 0.00	57.24 -2.15 0.00	48.04 -2.41 0.00	39.11 -1.64 0.00	37.73 -1.31 0.00
HOWARD_WT_PWR 323690	43.17 -3.19 0.00	41.35 -2.85 -1.26	57.10 -3.32 -22.49	52.46 -4.01 -14.19	37.58 -4.49 -1.08	74.73 -5.90 -25.56	83.25 -5.30 -35.89	68.18 -4.26 -29.27	59.04 -3.69 -25.73	55.44 -3.61 -22.95	55.16 -4.16 -22.60	48.66 -3.62 -20.59	55.25 -4.36 -22.68	50.98 -4.06 -22.08	54.82 -4.51 -23.38	50.66 -4.29 -21.42	56.07 -4.37 -23.54	104.83 -6.92 -42.09	113.20 -6.21 -44.47	131.60 -6.91 -50.21	76.43 -4.49 -21.53	52.31 -4.37 -6.24	37.31 -3.43 0.00	35.79 -3.25 0.00

HQ_GEN_CEDARS 23644	47.37 1.02 0.00	43.92 0.97 0.00	38.72 0.78 0.00	43.06 0.78 0.00	41.73 0.74 0.00	55.91 0.84 0.00	53.34 0.68 0.00	45.89 0.48 -2.23	39.92 0.17 -2.74	41.23 0.09 -5.04	48.28 0.09 -11.47	48.34 0.07 -16.58	55.12 0.05 -18.14	49.89 0.02 -16.92	53.56 -0.01 -17.62	50.61 0.03 -17.05	55.01 0.00 -18.10	98.92 0.74 -28.53	106.32 1.09 -30.29	123.90 1.14 -34.47	85.53 0.83 -25.32	73.00 0.92 -21.64	49.69 0.78 -8.15	39.97 0.80 -0.13
HQ_GEN_CEDARS_PROXY 323590	47.37 1.02 0.00	43.92 0.97 0.00	38.71 0.77 0.00	43.05 0.77 0.00	41.73 0.74 0.00	55.91 0.84 0.00	53.34 0.68 0.00	45.89 0.48 -2.23	39.92 0.18 -2.74	41.22 0.08 -5.04	48.28 0.09 -11.47	48.34 0.07 -16.58	55.12 0.05 -18.14	49.89 0.02 -16.92	53.55 -0.02 -17.62	50.61 0.03 -17.05	55.01 0.00 -18.10	98.92 0.74 -28.53	106.32 1.09 -30.29	123.90 1.14 -34.47	85.53 0.82 -25.32	73.00 0.92 -21.64	49.69 0.79 -8.15	39.97 0.80 -0.13
HQ_GEN_IMPORT 323601	46.70 0.35 0.00	42.18 0.34 1.11	38.19 0.25 0.00	42.51 0.23 0.00	41.18 0.19 0.00	54.81 0.22 0.47	52.83 0.17 0.00	43.77 0.13 -0.46	37.59 0.03 -0.56	37.12 -0.01 -1.03	39.06 0.00 -2.34	35.08 0.01 -3.38	40.62 -0.01 -3.70	36.37 -0.03 -3.45	39.50 -0.05 -3.60	36.98 -0.03 -3.48	40.56 -0.05 -3.69	75.43 0.18 -5.58	81.42 0.30 -6.18	83.79 0.27 4.76	64.70 0.15 -5.16	55.12 0.27 -4.41	42.65 0.23 -1.66	39.31 0.24 -0.03
HQ_GEN_WHEEL 23651	46.70 0.35 0.00	42.18 0.34 1.11	38.19 0.25 0.00	42.51 0.23 0.00	41.18 0.19 0.00	54.81 0.22 0.47	52.83 0.17 0.00	43.77 0.13 -0.46	37.59 0.03 -0.56	37.12 -0.01 -1.03	39.06 0.00 -2.34	35.08 0.01 -3.38	40.62 -0.01 -3.70	36.37 -0.03 -3.45	39.50 -0.05 -3.60	36.98 -0.03 -3.48	40.56 -0.05 -3.69	75.43 0.18 -5.58	81.42 0.30 -6.18	83.79 0.27 4.76	64.70 0.15 -5.16	55.12 0.27 -4.41	42.65 0.23 -1.66	39.31 0.24 -0.03
HUDSON AVE_GT_3 23810	47.78 1.42 0.00	44.16 1.21 0.00	39.18 1.24 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.81 1.74 0.00	54.48 1.82 0.00	44.89 1.71 0.00	38.69 1.69 0.00	37.96 1.87 0.00	38.86 2.14 0.00	33.35 1.66 0.00	38.90 1.97 0.00	34.77 1.82 0.00	37.98 2.04 0.00	35.46 1.93 0.00	39.02 2.10 0.00	72.82 3.16 0.00	78.24 3.31 0.00	92.29 4.01 0.00	62.22 2.83 0.00	52.88 2.44 0.00	42.66 1.92 0.00	40.78 1.74 0.00
HUDSON AVE_GT_4 23540	47.78 1.42 0.00	44.16 1.21 0.00	39.18 1.24 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.81 1.74 0.00	54.48 1.82 0.00	44.89 1.71 0.00	38.69 1.69 0.00	37.96 1.87 0.00	38.86 2.14 0.00	33.35 1.66 0.00	38.90 1.97 0.00	34.77 1.82 0.00	37.98 2.04 0.00	35.46 1.93 0.00	39.02 2.10 0.00	72.82 3.16 0.00	78.24 3.31 0.00	92.29 4.01 0.00	62.22 2.83 0.00	52.88 2.44 0.00	42.66 1.92 0.00	40.78 1.74 0.00
HUDSON AVE_GT_5 23657	47.78 1.42 0.00	44.16 1.21 0.00	39.18 1.24 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.81 1.74 0.00	54.48 1.82 0.00	44.89 1.71 0.00	38.69 1.69 0.00	37.96 1.87 0.00	38.86 2.14 0.00	33.35 1.66 0.00	38.90 1.97 0.00	34.77 1.82 0.00	37.98 2.04 0.00	35.46 1.93 0.00	39.02 2.10 0.00	72.82 3.16 0.00	78.24 3.31 0.00	92.29 4.01 0.00	62.22 2.83 0.00	52.88 2.44 0.00	42.66 1.92 0.00	40.78 1.74 0.00
HUDSON_AVE_10 24168	47.63 1.28 0.00	44.03 1.08 0.00	39.07 1.12 0.00	43.50 1.22 0.00	42.25 1.26 0.00	56.60 1.53 0.00	54.29 1.63 0.00	44.74 1.56 0.00	38.58 1.57 0.00	37.87 1.77 0.00	38.78 2.06 0.00	33.28 1.59 0.00	38.82 1.89 0.00	34.70 1.75 0.00	37.90 1.95 0.00	35.37 1.84 0.00	38.90 1.99 0.00	72.55 2.89 0.00	77.94 3.01 0.00	91.94 3.65 0.00	62.00 2.61 0.00	52.69 2.25 0.00	42.50 1.75 0.00	40.63 1.59 0.00
HUDSON___115KV_TB 4 355613	48.90 2.54 0.00	45.28 2.33 0.00	40.03 2.09 0.00	44.60 2.32 0.00	43.35 2.36 0.00	58.26 3.19 0.00	55.76 3.11 0.00	45.66 2.48 0.00	39.21 2.21 0.00	38.11 2.01 0.00	38.47 1.75 0.00	33.19 1.50 0.00	38.61 1.69 0.00	34.49 1.54 0.00	37.68 1.73 0.00	35.23 1.71 0.00	39.08 2.16 0.00	74.05 4.39 0.00	79.79 4.85 0.00	94.11 5.82 0.00	63.27 3.89 0.00	53.68 3.24 0.00	43.28 2.53 0.00	41.39 2.34 0.00
HUNTER MOUNT___DRP 323613	49.27 2.92 0.00	45.62 2.68 0.00	40.33 2.39 0.00	44.93 2.66 0.00	43.66 2.67 0.00	58.71 3.64 0.00	56.21 3.55 0.00	46.00 2.82 0.00	39.50 2.50 0.00	38.35 2.25 0.00	38.62 1.90 0.00	33.35 1.66 0.00	38.79 1.86 0.00	34.64 1.69 0.00	37.84 1.89 0.00	35.41 1.88 0.00	39.34 2.42 0.00	74.68 5.02 0.00	80.50 5.57 0.00	94.92 6.63 0.00	63.81 4.43 0.00	54.10 3.66 0.00	43.61 2.86 0.00	41.70 2.66 0.00
HUNTINGTON_RES_REC 323705	48.26 1.91 0.00	44.48 1.53 0.00	39.35 1.41 0.00	43.83 1.55 0.00	42.82 1.83 0.00	57.94 2.88 0.00	55.38 2.72 0.00	45.59 2.41 0.00	38.90 1.90 0.00	37.67 1.57 0.00	38.76 2.05 0.00	33.00 1.31 0.00	38.33 1.40 0.00	34.27 1.32 0.00	37.56 1.61 0.00	35.29 1.77 0.00	39.22 2.30 0.00	73.21 3.55 0.00	78.61 3.67 0.00	92.67 4.38 0.00	62.50 3.11 0.00	53.39 2.94 0.00	42.95 2.20 0.00	41.10 2.06 0.00
HUNTLEY___63 23557	42.84 -3.52 0.00	39.36 -3.29 0.30	29.38 -3.25 5.31	35.53 -3.40 3.35	37.20 -3.53 0.25	44.84 -4.19 6.04	40.06 -4.11 8.48	32.96 -3.31 6.91	27.96 -2.97 6.08	27.98 -2.69 5.42	28.41 -2.96 5.34	24.56 -2.27 4.86	28.64 -2.93 5.36	24.94 -2.79 5.22	27.33 -3.10 5.52	25.86 -2.61 5.06	28.42 -2.94 5.56	54.62 -5.10 9.94	59.20 -5.23 10.50	69.74 -6.69 11.86	49.87 -4.43 5.09	44.58 -4.39 1.47	37.48 -3.27 0.00	36.21 -2.83 0.00
HUNTLEY___64 23558	42.84 -3.52 0.00	39.36 -3.29 0.30	29.38 -3.25 5.31	35.53 -3.40 3.35	37.20 -3.53 0.25	44.84 -4.19 6.04	40.06 -4.11 8.48	32.96 -3.31 6.91	27.96 -2.97 6.08	27.98 -2.69 5.42	28.41 -2.96 5.34	24.56 -2.27 4.86	28.64 -2.93 5.36	24.94 -2.79 5.22	27.33 -3.10 5.52	25.86 -2.61 5.06	28.42 -2.94 5.56	54.62 -5.10 9.94	59.20 -5.23 10.50	69.74 -6.69 11.86	49.87 -4.43 5.09	44.58 -4.39 1.47	37.48 -3.27 0.00	36.21 -2.83 0.00
HUNTLEY___65 23559	42.84 -3.52 0.00	39.36 -3.29 0.30	29.38 -3.25 5.31	35.53 -3.40 3.35	37.20 -3.53 0.25	44.84 -4.19 6.04	40.06 -4.11 8.48	32.96 -3.31 6.91	27.96 -2.97 6.08	27.98 -2.69 5.42	28.41 -2.96 5.34	24.56 -2.27 4.86	28.64 -2.93 5.36	24.94 -2.79 5.22	27.33 -3.10 5.52	25.86 -2.61 5.06	28.42 -2.94 5.56	54.62 -5.10 9.94	59.20 -5.23 10.50	69.74 -6.69 11.86	49.87 -4.43 5.09	44.58 -4.39 1.47	37.48 -3.27 0.00	36.21 -2.83 0.00
HUNTLEY___66 23560	42.84 -3.52 0.00	39.36 -3.29 0.30	29.38 -3.25 5.31	35.53 -3.40 3.35	37.20 -3.53 0.25	44.84 -4.19 6.04	40.06 -4.11 8.48	32.96 -3.31 6.91	27.96 -2.97 6.08	27.98 -2.69 5.42	28.41 -2.96 5.34	24.56 -2.27 4.86	28.64 -2.93 5.36	24.94 -2.79 5.22	27.33 -3.10 5.52	25.86 -2.61 5.06	28.42 -2.94 5.56	54.62 -5.10 9.94	59.20 -5.23 10.50	69.74 -6.69 11.86	49.87 -4.43 5.09	44.58 -4.39 1.47	37.48 -3.27 0.00	36.21 -2.83 0.00

HUNTLEY___67 23561	42.82 -3.53 0.00	39.36 -3.30 0.28	29.62 -3.25 5.06	35.69 -3.39 3.20	37.22 -3.52 0.24	45.14 -4.17 5.75	40.49 -4.09 8.07	33.27 -3.32 6.59	28.25 -2.96 5.79	28.27 -2.66 5.17	28.73 -2.90 5.09	24.79 -2.27 4.63	28.97 -2.86 5.10	25.27 -2.70 4.97	27.66 -3.03 5.26	26.14 -2.57 4.82	28.70 -2.92 5.30	55.10 -5.09 9.47	59.65 -5.27 10.01	70.28 -6.71 11.30	50.11 -4.43 4.85	44.63 -4.40 1.40	37.43 -3.32 0.00	36.17 -2.87 0.00
HUNTLEY___68 23562	42.82 -3.53 0.00	39.36 -3.30 0.28	29.62 -3.25 5.06	35.69 -3.39 3.20	37.22 -3.52 0.24	45.14 -4.17 5.75	40.49 -4.09 8.07	33.27 -3.32 6.59	28.25 -2.96 5.79	28.27 -2.66 5.17	28.73 -2.90 5.09	24.79 -2.27 4.63	28.97 -2.86 5.10	25.27 -2.70 4.97	27.66 -3.03 5.26	26.14 -2.57 4.82	28.70 -2.92 5.30	55.10 -5.09 9.47	59.65 -5.27 10.01	70.28 -6.71 11.30	50.11 -4.43 4.85	44.63 -4.40 1.40	37.43 -3.32 0.00	36.17 -2.87 0.00
HYLAND___LFGE 323620	45.63 -0.72 0.00	43.57 -0.75 -1.38	61.57 -0.99 -24.62	56.73 -1.09 -15.54	40.81 -1.36 -1.18	81.76 -1.29 -27.98	90.95 -0.99 -39.29	74.57 -0.66 -32.04	64.32 -0.84 -28.17	60.02 -1.19 -25.12	59.38 -2.09 -24.75	52.20 -2.03 -22.54	59.33 -2.43 -24.83	54.84 -2.29 -24.18	58.95 -2.59 -25.60	54.64 -2.33 -23.45	60.35 -2.33 -25.76	113.60 -2.13 -46.08	123.17 -0.45 -48.68	142.92 -0.35 -54.97	82.68 -0.28 -23.57	56.43 -0.84 -6.83	40.08 -0.67 0.00	38.47 -0.57 0.00
INDECK___CORINTH 23802	49.81 3.46 0.00	46.21 3.26 0.00	40.81 2.87 0.00	45.43 3.15 0.00	44.16 3.17 0.00	59.52 4.45 0.00	57.00 4.35 0.00	46.64 3.46 0.00	39.91 2.92 0.00	38.62 2.53 0.00	39.04 2.33 0.00	33.74 2.05 0.00	39.30 2.37 0.00	35.03 2.08 0.00	38.40 2.45 0.00	36.03 2.50 0.00	39.81 2.89 0.00	75.24 5.59 0.00	80.97 6.04 0.00	95.57 7.28 0.00	64.20 4.81 0.00	54.31 3.87 0.00	43.75 3.00 0.00	41.99 2.95 0.00
INDECK___ILION 23567	46.71 0.35 0.00	43.36 0.42 0.00	38.34 0.40 0.00	42.56 0.28 0.00	41.38 0.39 0.00	55.57 0.50 0.00	53.16 0.50 0.00	43.51 0.33 0.00	37.28 0.28 0.00	36.06 -0.03 0.00	36.70 -0.02 0.00	31.70 0.01 0.00	36.96 0.03 0.00	33.04 0.09 0.00	36.13 0.17 -0.01	33.75 0.23 0.00	37.43 0.51 0.00	70.59 0.93 0.00	75.81 0.88 0.00	89.48 1.19 0.00	60.22 0.83 0.00	51.20 0.76 0.00	41.29 0.54 0.00	39.51 0.46 0.00
INDECK___OLEAN 23982	45.02 -1.33 0.00	41.39 -1.55 0.00	36.05 -1.89 0.00	40.65 -1.63 0.00	39.19 -1.80 0.00	53.10 -1.96 0.00	50.56 -2.10 0.00	41.22 -1.96 0.00	35.43 -1.57 0.00	34.85 -1.25 0.00	35.10 -1.61 0.00	30.63 -1.06 0.00	35.68 -1.25 0.00	31.78 -1.17 0.00	34.54 -1.41 0.00	32.22 -1.31 0.00	35.44 -1.48 0.00	67.29 -2.36 0.00	72.35 -2.59 0.00	84.91 -3.39 0.00	57.22 -2.18 0.00	48.01 -2.44 0.00	39.10 -1.65 0.00	37.73 -1.32 0.00
INDECK___OSWEGO 23783	44.74 -1.62 0.00	41.40 -1.55 0.00	36.60 -1.34 0.00	40.88 -1.39 0.00	39.63 -1.36 0.00	53.27 -1.80 0.00	50.92 -1.74 0.00	41.76 -1.42 0.00	35.74 -1.26 0.00	34.89 -1.21 0.00	35.41 -1.31 0.00	30.57 -1.13 0.00	35.62 -1.31 0.00	31.76 -1.19 0.00	34.61 -1.34 0.00	32.20 -1.33 0.00	35.41 -1.51 0.00	66.98 -2.68 0.00	72.22 -2.72 0.00	85.05 -3.24 0.00	57.19 -2.20 0.00	48.39 -2.05 0.00	39.08 -1.67 0.00	37.45 -1.59 0.00
INDECK___YERKES 23781	42.88 -3.47 0.00	39.39 -3.27 0.30	29.43 -3.19 5.31	35.59 -3.33 3.35	37.23 -3.50 0.25	44.92 -4.11 6.04	40.17 -4.01 8.48	33.04 -3.23 6.91	28.05 -2.87 6.08	28.11 -2.57 5.42	28.50 -2.88 5.34	24.62 -2.21 4.86	28.71 -2.86 5.36	25.02 -2.71 5.22	27.42 -3.01 5.52	25.92 -2.54 5.06	28.52 -2.83 5.56	54.72 -5.00 9.94	59.30 -5.14 10.50	69.93 -6.50 11.86	49.87 -4.43 5.09	44.59 -4.38 1.47	37.49 -3.26 0.00	36.24 -2.80 0.00
INDIAN POINT_GT_1 24139	47.67 1.31 0.00	44.09 1.14 0.00	39.06 1.12 0.00	43.53 1.25 0.00	42.28 1.29 0.00	56.73 1.66 0.00	54.37 1.72 0.00	44.71 1.54 0.00	38.45 1.46 0.00	37.67 1.58 0.00	38.51 1.79 0.00	33.07 1.38 0.00	38.56 1.63 0.00	34.47 1.52 0.00	37.67 1.72 0.00	35.18 1.66 0.00	38.77 1.85 0.00	72.54 2.88 0.00	77.98 3.04 0.00	91.91 3.62 0.00	61.94 2.55 0.00	52.48 2.04 0.00	42.19 1.44 0.00	40.36 1.32 0.00
INDIAN POINT_GT_2 23659	47.67 1.31 0.00	44.09 1.14 0.00	39.06 1.12 0.00	43.53 1.25 0.00	42.28 1.29 0.00	56.73 1.66 0.00	54.37 1.72 0.00	44.71 1.54 0.00	38.45 1.46 0.00	37.67 1.58 0.00	38.51 1.79 0.00	33.07 1.38 0.00	38.56 1.63 0.00	34.47 1.52 0.00	37.67 1.72 0.00	35.18 1.66 0.00	38.77 1.85 0.00	72.54 2.88 0.00	77.98 3.04 0.00	91.91 3.62 0.00	61.94 2.55 0.00	52.48 2.04 0.00	42.19 1.44 0.00	40.36 1.32 0.00
INDIAN POINT_GT_3 24019	47.67 1.31 0.00	44.09 1.14 0.00	39.06 1.12 0.00	43.53 1.25 0.00	42.28 1.29 0.00	56.73 1.66 0.00	54.37 1.72 0.00	44.71 1.54 0.00	38.45 1.46 0.00	37.67 1.58 0.00	38.51 1.79 0.00	33.07 1.38 0.00	38.56 1.63 0.00	34.47 1.52 0.00	37.67 1.72 0.00	35.18 1.66 0.00	38.77 1.85 0.00	72.54 2.88 0.00	77.98 3.04 0.00	91.91 3.62 0.00	61.94 2.55 0.00	52.48 2.04 0.00	42.19 1.44 0.00	40.36 1.32 0.00
INDIAN POINT___2 23530	47.68 1.33 0.00	44.10 1.15 0.00	39.06 1.12 0.00	43.50 1.22 0.00	42.27 1.28 0.00	56.71 1.64 0.00	54.34 1.68 0.00	44.71 1.53 0.00	38.47 1.47 0.00	37.68 1.59 0.00	38.55 1.83 0.00	33.10 1.41 0.00	38.60 1.68 0.00	34.51 1.56 0.00	37.71 1.76 0.00	35.23 1.70 0.00	38.80 1.89 0.00	72.53 2.87 0.00	77.92 2.98 0.00	91.89 3.60 0.00	61.93 2.54 0.00	52.33 1.89 0.00	41.98 1.24 0.00	40.17 1.13 0.00
INDIAN POINT___3 23531	47.44 1.09 0.00	43.89 0.95 0.00	38.86 0.92 0.00	43.31 1.03 0.00	42.05 1.06 0.00	56.44 1.38 0.00	54.08 1.43 0.00	44.48 1.30 0.00	38.23 1.23 0.00	37.46 1.36 0.00	38.29 1.57 0.00	32.89 1.20 0.00	38.35 1.42 0.00	34.30 1.34 0.00	37.47 1.52 0.00	34.98 1.45 0.00	38.53 1.62 0.00	72.11 2.46 0.00	77.53 2.59 0.00	91.35 3.06 0.00	61.55 2.16 0.00	52.32 1.88 0.00	42.22 1.47 0.00	40.38 1.34 0.00
INGHAM_C_115KV_TB7 356103	46.83 0.48 0.00	43.49 0.54 0.00	38.47 0.53 0.00	42.58 0.31 0.00	41.52 0.52 0.00	55.78 0.72 0.00	53.42 0.76 0.00	43.65 0.47 0.00	37.33 0.33 0.00	35.71 -0.39 0.00	36.32 -0.40 0.00	31.40 -0.29 0.00	36.65 -0.28 0.00	32.84 -0.11 0.00	35.97 0.01 -0.01	33.69 0.16 0.00	37.65 0.74 0.00	71.06 1.41 0.00	76.23 1.29 0.00	90.13 1.84 0.00	60.69 1.30 0.00	51.69 1.25 0.00	41.59 0.84 0.00	39.75 0.70 0.00
IP CORINTH___1 23988	49.81 3.46 0.00	46.21 3.26 0.00	40.81 2.87 0.00	45.43 3.15 0.00	44.16 3.17 0.00	59.53 4.46 0.00	57.01 4.35 0.00	46.65 3.47 0.00	39.91 2.91 0.00	38.62 2.53 0.00	39.04 2.32 0.00	33.74 2.05 0.00	39.30 2.37 0.00	35.03 2.08 0.00	38.40 2.45 0.00	36.03 2.50 0.00	39.81 2.89 0.00	75.25 5.59 0.00	80.97 6.04 0.00	95.59 7.30 0.00	64.20 4.81 0.00	54.31 3.87 0.00	43.75 3.00 0.00	41.99 2.95 0.00

IP___TICONDEROGA 23804	51.74 5.38 0.00	48.02 5.08 0.00	42.41 4.47 0.00	47.13 4.85 0.00	45.99 5.00 0.00	62.22 7.15 0.00	59.60 6.94 0.00	48.56 5.38 0.00	41.42 4.42 0.00	40.01 3.92 0.00	40.05 3.34 0.00	34.48 2.79 0.00	40.19 3.26 0.00	35.75 2.80 0.00	39.35 3.40 0.00	37.22 3.69 0.00	40.79 3.87 0.00	77.00 7.35 0.00	83.64 8.70 0.00	98.92 10.63 0.00	66.33 6.95 0.00	55.93 5.49 0.00	44.99 4.24 0.00	43.16 4.12 0.00
ISLIP_RES_REC 323679	48.55 2.20 0.00	44.70 1.76 0.00	39.55 1.62 0.00	44.07 1.79 0.00	43.13 2.15 0.00	58.56 3.50 0.00	55.99 3.33 0.00	46.08 2.90 0.00	39.17 2.17 0.00	37.85 1.75 0.00	38.89 2.17 0.00	33.08 1.39 0.00	38.37 1.44 0.00	34.30 1.35 0.00	37.61 1.66 0.00	35.41 1.88 0.00	39.46 2.55 0.00	73.77 4.11 0.00	79.40 4.46 0.00	93.55 5.27 0.00	63.01 3.62 0.00	53.86 3.42 0.00	43.24 2.49 0.00	41.33 2.29 0.00
JAMAICA__27_KV_LOAD 355505	47.85 1.50 0.00	44.21 1.26 0.00	39.26 1.32 0.00	43.69 1.42 0.00	42.40 1.42 0.00	56.73 1.66 0.00	54.49 1.83 0.00	44.95 1.77 0.00	38.74 1.74 0.00	38.11 2.01 0.00	39.10 2.38 0.00	33.55 1.86 0.00	39.09 2.16 0.00	34.96 2.01 0.00	38.17 2.22 0.00	35.57 2.04 0.00	39.13 2.22 0.00	72.84 3.18 0.00	78.23 3.29 0.00	92.25 3.96 0.00	62.23 2.84 0.00	52.88 2.43 0.00	42.64 1.90 0.00	40.79 1.75 0.00
JANIS___SOLAR 323808	47.40 1.05 0.00	43.73 0.69 -0.09	40.06 0.44 -1.68	44.08 0.74 -1.06	41.66 0.59 -0.08	57.54 0.57 -1.91	56.01 0.68 -2.67	45.87 0.51 -2.18	39.09 0.17 -1.92	37.38 -0.43 -1.71	37.72 -0.68 -1.69	32.48 -0.75 -1.53	37.80 -0.82 -1.69	33.77 -0.83 -1.65	36.67 -1.02 -1.74	34.16 -0.97 -1.60	38.02 -0.65 -1.75	73.30 0.51 -3.14	79.65 1.40 -3.32	93.68 1.64 -3.74	62.06 1.07 -1.61	51.41 0.50 -0.46	41.09 0.34 0.00	39.30 0.26 0.00
JARVIS____ 23743	46.56 0.21 0.00	43.16 0.21 0.00	38.16 0.22 0.00	42.49 0.21 0.00	41.22 0.23 0.00	55.35 0.28 0.00	52.92 0.26 0.00	43.38 0.20 0.00	37.19 0.19 0.00	36.25 0.15 0.00	36.89 0.18 0.00	31.85 0.16 0.00	37.11 0.19 0.00	33.14 0.19 0.00	36.18 0.22 -0.01	33.74 0.21 0.00	37.19 0.28 0.00	70.08 0.43 0.00	75.33 0.39 0.00	88.83 0.54 0.00	59.75 0.36 0.00	50.75 0.31 0.00	41.01 0.26 0.00	39.27 0.23 0.00
JENNISON___1 23625	47.10 0.74 0.00	43.25 0.31 0.00	38.00 0.06 0.00	42.86 0.58 0.00	41.41 0.42 0.00	54.67 -0.39 0.00	52.30 -0.36 0.00	42.66 -0.52 0.00	36.46 -0.54 0.00	35.35 -0.75 0.00	35.81 -0.91 0.00	30.82 -0.87 0.00	35.95 -0.98 0.00	31.99 -0.96 0.00	34.83 -1.12 0.00	32.53 -0.99 0.00	36.16 -0.76 0.00	69.13 -0.53 0.00	74.66 -0.27 0.00	88.00 -0.29 0.00	59.35 -0.04 0.00	50.09 -0.36 0.00	40.42 -0.33 0.00	38.67 -0.37 0.00
JENNISON___2 23626	47.10 0.74 0.00	43.25 0.31 0.00	38.00 0.06 0.00	42.86 0.58 0.00	41.41 0.42 0.00	54.67 -0.39 0.00	52.30 -0.36 0.00	42.66 -0.52 0.00	36.46 -0.54 0.00	35.35 -0.75 0.00	35.81 -0.91 0.00	30.82 -0.87 0.00	35.95 -0.98 0.00	31.99 -0.96 0.00	34.83 -1.12 0.00	32.53 -0.99 0.00	36.16 -0.76 0.00	69.13 -0.53 0.00	74.66 -0.27 0.00	88.00 -0.29 0.00	59.35 -0.04 0.00	50.09 -0.36 0.00	40.42 -0.33 0.00	38.67 -0.37 0.00
JERICHO_RISE_WT_PWR 323719	46.43 0.08 0.00	43.12 0.17 0.00	37.92 -0.02 0.00	41.84 -0.43 0.00	40.39 -0.60 0.00	54.28 -0.78 0.00	51.77 -0.89 0.00	35.92 -0.81 6.44	27.25 -0.86 8.89	19.26 -0.92 15.92	-5.80 -0.86 41.65	-29.89 -0.76 60.82	-30.54 -0.93 66.54	-29.99 -0.87 62.07	-30.28 -1.00 65.23	-29.91 -0.89 62.55	-30.48 -1.01 66.38	-36.20 -1.20 104.65	-37.16 -0.97 111.12	-39.44 -1.28 126.44	-34.31 -0.84 92.86	-29.42 -0.49 79.37	10.44 -0.39 29.92	38.27 -0.31 0.47
KATONAH___115KV_46KV_TB4 355592	48.00 1.65 0.00	44.40 1.45 0.00	39.32 1.38 0.00	43.81 1.53 0.00	42.56 1.57 0.00	57.13 2.06 0.00	54.76 2.11 0.00	45.05 1.87 0.00	38.72 1.72 0.00	37.92 1.83 0.00	38.74 2.02 0.00	33.27 1.59 0.00	38.81 1.88 0.00	34.70 1.74 0.00	37.91 1.96 0.00	35.41 1.88 0.00	39.02 2.11 0.00	73.07 3.41 0.00	78.57 3.64 0.00	92.66 4.37 0.00	62.41 3.02 0.00	53.03 2.59 0.00	42.76 2.01 0.00	40.88 1.84 0.00
KCE_NY_1 323755	48.74 2.39 0.00	45.15 2.21 0.00	39.90 1.96 0.00	44.42 2.14 0.00	43.17 2.18 0.00	58.03 2.96 0.00	55.58 2.93 0.00	45.52 2.34 0.00	39.00 2.00 0.00	37.83 1.74 0.00	38.45 1.73 0.00	33.25 1.56 0.00	38.82 1.89 0.00	34.58 1.63 0.00	37.81 1.86 0.00	35.39 1.87 0.00	39.15 2.24 0.00	73.89 4.24 0.00	79.34 4.40 0.00	93.48 5.19 0.00	62.91 3.52 0.00	53.29 2.84 0.00	43.00 2.25 0.00	41.20 2.16 0.00
KCE_NY_6_ESR 323823	43.61 -2.74 0.00	40.06 -2.64 0.24	30.95 -2.71 4.28	36.80 -2.77 2.70	37.88 -2.90 0.21	46.90 -3.30 4.87	42.60 -3.22 6.83	34.96 -2.65 5.57	29.76 -2.34 4.90	29.74 -1.99 4.37	30.12 -2.30 4.30	26.00 -1.77 3.92	30.32 -2.29 4.32	26.58 -2.17 4.21	29.06 -2.44 4.45	27.40 -2.05 4.08	30.15 -2.29 4.48	57.70 -3.94 8.01	62.49 -3.98 8.47	73.53 -5.20 9.56	51.87 -3.42 4.10	45.70 -3.56 1.19	38.11 -2.64 0.00	36.78 -2.26 0.00
KEDC_PORT_JEFF_GT2 24210	48.37 2.02 0.00	44.55 1.61 0.00	39.42 1.48 0.00	43.92 1.64 0.00	42.99 2.00 0.00	58.35 3.28 0.00	55.76 3.11 0.00	45.91 2.73 0.00	39.03 2.03 0.00	37.72 1.62 0.00	38.78 2.07 0.00	32.98 1.29 0.00	38.28 1.35 0.00	34.24 1.29 0.00	37.53 1.59 0.00	35.32 1.79 0.00	39.32 2.41 0.00	73.45 3.79 0.00	79.00 4.07 0.00	93.12 4.82 0.00	62.73 3.34 0.00	53.62 3.17 0.00	43.06 2.31 0.00	41.18 2.14 0.00
KEDC_PORT_JEFF_GT3 24211	48.37 2.02 0.00	44.55 1.61 0.00	39.42 1.48 0.00	43.92 1.64 0.00	42.99 2.00 0.00	58.35 3.28 0.00	55.76 3.11 0.00	45.91 2.73 0.00	39.03 2.03 0.00	37.72 1.62 0.00	38.78 2.07 0.00	32.98 1.29 0.00	38.28 1.35 0.00	34.24 1.29 0.00	37.53 1.59 0.00	35.32 1.79 0.00	39.32 2.41 0.00	73.45 3.79 0.00	79.00 4.07 0.00	93.12 4.82 0.00	62.73 3.34 0.00	53.62 3.17 0.00	43.06 2.31 0.00	41.18 2.14 0.00
KEDC_GLWD_GT4 24219	48.39 2.03 0.00	44.65 1.70 0.00	39.52 1.58 0.00	44.00 1.72 0.00	42.87 1.88 0.00	57.74 2.67 0.00	55.28 2.62 0.00	45.48 2.30 0.00	38.99 1.99 0.00	37.95 1.85 0.00	39.01 2.30 0.00	33.33 1.64 0.00	38.80 1.87 0.00	34.68 1.73 0.00	37.95 2.01 0.00	35.59 2.06 0.00	39.35 2.43 0.00	73.52 3.86 0.00	79.00 4.07 0.00	93.13 4.84 0.00	62.82 3.43 0.00	53.52 3.08 0.00	43.11 2.36 0.00	41.21 2.17 0.00
KEDC_GLWD_GT5 24220	48.39 2.03 0.00	44.65 1.70 0.00	39.52 1.58 0.00	44.00 1.72 0.00	42.87 1.88 0.00	57.74 2.67 0.00	55.28 2.62 0.00	45.48 2.30 0.00	38.99 1.99 0.00	37.95 1.85 0.00	39.01 2.30 0.00	33.33 1.64 0.00	38.80 1.87 0.00	34.68 1.73 0.00	37.95 2.01 0.00	35.59 2.06 0.00	39.35 2.43 0.00	73.52 3.86 0.00	79.00 4.07 0.00	93.13 4.84 0.00	62.82 3.43 0.00	53.52 3.08 0.00	43.11 2.36 0.00	41.21 2.17 0.00

KENSICO____ 23655	47.68 1.33 0.00	44.10 1.15 0.00	39.06 1.12 0.00	43.51 1.23 0.00	42.27 1.28 0.00	56.72 1.65 0.00	54.35 1.69 0.00	44.71 1.53 0.00	38.46 1.46 0.00	37.67 1.57 0.00	38.53 1.82 0.00	33.08 1.40 0.00	38.58 1.66 0.00	34.49 1.54 0.00	37.69 1.74 0.00	35.20 1.67 0.00	38.78 1.87 0.00	72.50 2.85 0.00	77.91 2.98 0.00	91.89 3.60 0.00	61.92 2.53 0.00	52.63 2.18 0.00	42.45 1.71 0.00	40.59 1.55 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	48.27 1.92 0.00	44.64 1.69 0.00	39.49 1.55 0.00	44.03 1.75 0.00	42.74 1.76 0.00	57.42 2.36 0.00	55.05 2.39 0.00	45.22 2.04 0.00	38.80 1.79 0.00	37.87 1.77 0.00	38.45 1.73 0.00	33.00 1.32 0.00	38.47 1.54 0.00	34.38 1.43 0.00	37.59 1.64 0.00	35.17 1.64 0.00	38.92 2.01 0.00	73.37 3.72 0.00	79.13 4.19 0.00	93.23 4.94 0.00	62.77 3.38 0.00	53.29 2.84 0.00	42.95 2.21 0.00	41.04 2.00 0.00
KIAC_JFK_GT1 23816	47.58 1.23 0.00	43.96 1.02 0.00	39.05 1.11 0.00	43.46 1.18 0.00	42.13 1.15 0.00	56.18 1.12 0.00	53.96 1.30 0.00	44.50 1.32 0.00	38.37 1.37 0.00	37.75 1.66 0.00	38.88 2.16 0.00	33.36 1.68 0.00	38.88 1.95 0.00	34.77 1.82 0.00	37.96 2.01 0.00	35.34 1.81 0.00	38.74 1.83 0.00	72.10 2.44 0.00	77.43 2.49 0.00	91.32 3.03 0.00	61.61 2.22 0.00	52.35 1.91 0.00	42.23 1.48 0.00	40.38 1.34 0.00
KIAC_JFK_GT2 23817	47.58 1.23 0.00	43.96 1.02 0.00	39.05 1.11 0.00	43.46 1.18 0.00	42.13 1.15 0.00	56.18 1.12 0.00	53.96 1.30 0.00	44.50 1.32 0.00	38.37 1.37 0.00	37.75 1.66 0.00	38.88 2.16 0.00	33.36 1.68 0.00	38.88 1.95 0.00	34.77 1.82 0.00	37.96 2.01 0.00	35.34 1.81 0.00	38.74 1.83 0.00	72.10 2.44 0.00	77.43 2.49 0.00	91.32 3.03 0.00	61.61 2.22 0.00	52.35 1.91 0.00	42.23 1.48 0.00	40.38 1.34 0.00
KIAC_JFK____ 323774	47.58 1.23 0.00	43.97 1.02 0.00	39.05 1.11 0.00	43.45 1.17 0.00	42.13 1.14 0.00	56.17 1.11 0.00	53.95 1.29 0.00	44.50 1.32 0.00	38.36 1.36 0.00	37.74 1.64 0.00	38.87 2.15 0.00	33.36 1.67 0.00	38.87 1.94 0.00	34.76 1.81 0.00	37.95 2.00 0.00	35.33 1.80 0.00	38.73 1.82 0.00	72.08 2.43 0.00	77.42 2.48 0.00	91.29 3.00 0.00	61.60 2.22 0.00	52.36 1.91 0.00	42.23 1.48 0.00	40.38 1.34 0.00
KINTIGH____ 23543	42.87 -3.48 0.00	39.49 -3.23 0.22	30.88 -3.06 4.00	36.54 -3.22 2.52	37.44 -3.36 0.19	46.50 -4.01 4.55	42.36 -3.92 6.38	34.80 -3.17 5.21	29.59 -2.84 4.58	29.43 -2.58 4.08	29.88 -2.81 4.02	25.77 -2.26 3.66	30.14 -2.76 4.04	26.44 -2.58 3.93	28.91 -2.88 4.16	27.24 -2.48 3.81	29.93 -2.79 4.19	57.25 -4.92 7.49	61.88 -5.15 7.91	72.84 -6.52 8.93	51.17 -4.39 3.83	45.05 -4.29 1.11	37.49 -3.26 0.00	36.20 -2.84 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	47.06 0.71 0.00	43.77 0.82 0.00	38.39 0.45 0.00	42.13 -0.15 0.00	40.56 -0.42 0.00	54.59 -0.47 0.00	51.99 -0.66 0.00	50.26 -0.73 -7.81	37.37 -0.86 -1.23	41.31 -0.91 -6.12	3.28 -0.67 32.77	-21.67 -0.69 52.67	-21.63 -0.94 57.62	-21.68 -0.89 53.74	-21.63 -1.07 56.51	-21.57 -0.93 54.17	-21.55 -0.98 57.49	-21.61 -0.65 90.63	-21.55 -0.26 96.23	-21.73 -0.53 109.49	-21.52 -0.50 80.41	-18.40 -0.12 68.73	14.61 -0.24 25.91	38.51 -0.13 0.40
LACHUTE__HYDRO 323717	51.74 5.38 0.00	48.02 5.07 0.00	42.41 4.47 0.00	47.13 4.85 0.00	45.99 5.00 0.00	62.22 7.15 0.00	59.60 6.94 0.00	48.56 5.38 0.00	41.42 4.42 0.00	40.02 3.92 0.00	40.05 3.34 0.00	34.48 2.79 0.00	40.19 3.26 0.00	35.75 2.80 0.00	39.35 3.40 0.00	37.22 3.69 0.00	40.79 3.87 0.00	77.00 7.35 0.00	83.64 8.70 0.00	98.92 10.63 0.00	66.33 6.94 0.00	55.93 5.49 0.00	44.99 4.24 0.00	43.16 4.12 0.00
LAWRNCV_115KV_TB1 80681	47.07 0.72 0.00	43.64 0.69 0.00	38.47 0.53 0.00	42.79 0.51 0.00	41.55 0.56 0.00	55.38 0.31 0.00	52.72 0.06 0.00	46.94 -0.05 -3.82	41.28 -0.40 -4.69	44.17 -0.56 -8.63	55.75 -0.59 -19.62	59.53 -0.51 -28.36	67.31 -0.64 -31.02	61.34 -0.55 -28.94	65.56 -0.63 -30.24	62.13 -0.57 -29.16	67.22 -0.65 -30.95	118.31 -0.14 -48.79	127.14 0.39 -51.81	147.55 0.31 -58.95	103.05 0.37 -43.30	88.12 0.68 -37.01	55.25 0.55 -13.95	39.83 0.57 -0.22
LEDERLE____ 23769	47.52 1.17 0.00	43.98 1.03 0.00	38.90 0.96 0.00	43.39 1.12 0.00	42.10 1.12 0.00	56.52 1.45 0.00	54.24 1.58 0.00	44.58 1.40 0.00	38.31 1.31 0.00	37.55 1.45 0.00	38.38 1.66 0.00	32.96 1.27 0.00	38.43 1.50 0.00	34.38 1.43 0.00	37.56 1.61 0.00	35.06 1.53 0.00	38.62 1.71 0.00	72.37 2.71 0.00	77.81 2.87 0.00	91.61 3.33 0.00	61.75 2.36 0.00	52.48 2.03 0.00	42.34 1.59 0.00	40.49 1.45 0.00
LIGHTHSE_115KV_TB6 355974	45.02 -1.33 0.00	41.64 -1.31 0.00	36.84 -1.10 0.00	41.18 -1.10 0.00	40.04 -0.95 0.00	53.70 -1.37 0.00	51.13 -1.53 0.00	42.31 -1.28 -0.41	36.14 -1.37 -0.51	35.53 -1.51 -0.94	37.22 -1.63 -2.14	33.33 -1.45 -3.09	38.61 -1.70 -3.38	34.57 -1.53 -3.15	37.52 -1.72 -3.30	35.01 -1.69 -3.18	38.52 -1.77 -3.37	72.53 -2.44 -5.32	78.56 -2.02 -5.64	92.29 -2.43 -6.42	62.50 -1.60 -4.72	52.91 -1.56 -4.03	40.97 -1.30 -1.52	37.79 -1.28 -0.02
LINDEN COGEN____ 23786	47.36 1.01 0.00	43.78 0.83 0.00	38.83 0.89 0.00	43.27 0.99 0.00	42.03 1.04 0.00	56.31 1.25 0.00	54.00 1.35 0.00	44.50 1.32 0.00	38.37 1.36 0.00	37.64 1.54 0.00	38.52 1.80 0.00	33.05 1.37 0.00	38.56 1.64 0.00	34.48 1.52 0.00	37.66 1.71 0.00	35.14 1.62 0.00	38.54 1.71 0.09	71.99 2.46 0.12	77.51 2.58 0.00	91.37 3.08 0.00	61.63 2.24 0.00	52.40 1.96 0.00	42.30 1.55 0.00	40.43 1.39 0.00
LINDHRST_69_KV_BK1 356055	48.65 2.30 0.00	44.85 1.91 0.00	39.70 1.76 0.00	44.21 1.94 0.00	43.13 2.15 0.00	58.25 3.18 0.00	55.74 3.09 0.00	45.88 2.70 0.00	39.23 2.23 0.00	38.04 1.94 0.00	39.13 2.41 0.00	33.37 1.68 0.00	38.77 1.85 0.00	34.63 1.68 0.00	37.94 1.99 0.00	35.63 2.10 0.00	39.53 2.62 0.00	73.95 4.29 0.00	79.54 4.60 0.00	93.81 5.52 0.00	63.19 3.81 0.00	53.89 3.44 0.00	43.36 2.61 0.00	41.46 2.41 0.00
LIPA_MISC_IPP 23656	48.07 1.72 0.00	44.25 1.30 0.00	39.16 1.22 0.00	43.66 1.39 0.00	42.84 1.85 0.00	58.38 3.31 0.00	55.76 3.11 0.00	45.86 2.68 0.00	38.80 1.80 0.00	37.42 1.33 0.00	38.41 1.70 0.00	32.69 1.00 0.00	37.91 0.98 0.00	33.91 0.96 0.00	37.18 1.23 0.00	35.01 1.48 0.00	39.06 2.15 0.00	72.83 3.18 0.00	78.35 3.42 0.00	92.38 4.09 0.00	62.23 2.84 0.00	53.28 2.83 0.00	42.72 1.97 0.00	40.86 1.82 0.00
LISF__SOLAR 323691	48.15 1.80 0.00	44.32 1.37 0.00	39.23 1.29 0.00	43.73 1.45 0.00	42.90 1.91 0.00	58.48 3.42 0.00	55.87 3.21 0.00	45.94 2.77 0.00	38.85 1.85 0.00	37.44 1.34 0.00	38.42 1.70 0.00	32.68 0.99 0.00	37.91 0.98 0.00	33.91 0.96 0.00	37.17 1.22 0.00	35.02 1.49 0.00	39.10 2.18 0.00	72.96 3.31 0.00	78.53 3.59 0.00	92.55 4.26 0.00	62.35 2.96 0.00	53.40 2.96 0.00	42.81 2.06 0.00	40.94 1.89 0.00

LITTLE FALLS___HYD 24013	46.83 0.48 0.00	43.49 0.54 0.00	38.47 0.53 0.00	42.58 0.31 0.00	41.52 0.52 0.00	55.78 0.72 0.00	53.42 0.76 0.00	43.65 0.47 0.00	37.33 0.33 0.00	35.71 -0.39 0.00	36.32 -0.40 0.00	31.40 -0.29 0.00	36.65 -0.28 0.00	32.84 -0.11 0.00	35.97 0.01 -0.01	33.69 0.16 0.00	37.65 0.74 0.00	71.06 1.41 0.00	76.23 1.29 0.00	90.13 1.84 0.00	60.69 1.30 0.00	51.69 1.25 0.00	41.59 0.84 0.00	39.75 0.70 0.00
LITTLRIV_115KV_TB1 356100	47.80 1.45 0.00	44.31 1.36 0.00	39.05 1.11 0.00	43.44 1.17 0.00	42.13 1.14 0.00	56.29 1.22 0.00	53.65 0.99 0.00	47.89 0.63 -4.08	41.92 -0.09 -5.00	44.95 -0.36 -9.22	57.29 -0.39 -20.95	61.57 -0.40 -30.29	69.56 -0.51 -33.13	63.44 -0.42 -30.91	67.74 -0.52 -32.31	64.23 -0.45 -31.15	69.51 -0.46 -33.06	122.53 0.76 -52.12	132.04 1.76 -55.34	153.17 1.91 -62.97	107.06 1.42 -46.24	91.50 1.53 -39.52	56.87 1.22 -14.90	40.47 1.20 -0.23
LI_NEWBRDGE___DRP 323616	48.00 1.65 0.00	44.30 1.36 0.00	39.22 1.28 0.00	43.68 1.40 0.00	42.55 1.56 0.00	57.35 2.28 0.00	54.87 2.22 0.00	45.16 1.98 0.00	38.70 1.70 0.00	37.67 1.58 0.00	38.69 1.97 0.00	33.06 1.38 0.00	38.48 1.55 0.00	34.39 1.44 0.00	37.65 1.70 0.00	35.28 1.76 0.00	39.04 2.12 0.00	72.88 3.22 0.00	78.26 3.33 0.00	92.30 4.01 0.00	62.23 2.84 0.00	53.04 2.60 0.00	42.73 1.99 0.00	40.87 1.83 0.00
LOCKPORT_115KV_TB60_63_64 80432	42.40 -3.96 0.00	38.95 -3.67 0.33	28.38 -3.58 5.98	34.73 -3.77 3.77	36.83 -3.87 0.29	43.58 -4.69 6.80	38.50 -4.61 9.54	31.68 -3.72 7.78	26.81 -3.35 6.84	26.88 -3.11 6.10	27.28 -3.43 6.01	23.69 -2.52 5.47	27.52 -3.38 6.03	23.86 -3.22 5.87	26.17 -3.57 6.22	24.78 -3.05 5.69	27.26 -3.39 6.26	52.60 -5.87 11.19	57.10 -6.01 11.82	67.38 -7.56 13.35	48.60 -5.06 5.72	43.89 -4.89 1.66	37.14 -3.61 0.00	35.88 -3.16 0.00
LOCKPORT___CC1 323769	42.35 -4.01 0.00	38.80 -3.74 0.40	27.19 -3.59 7.16	33.97 -3.78 4.52	36.72 -3.93 0.34	42.18 -4.74 8.15	36.60 -4.62 11.43	30.13 -3.72 9.32	25.47 -3.34 8.20	25.74 -3.05 7.31	26.13 -3.39 7.20	22.58 -2.55 6.56	26.34 -3.36 7.23	22.73 -3.18 7.04	24.97 -3.53 7.45	23.66 -3.05 6.82	26.07 -3.35 7.50	50.36 -5.88 13.41	54.70 -6.07 14.17	64.72 -7.57 16.00	47.36 -5.17 6.86	43.49 -4.97 1.99	37.07 -3.68 0.00	35.82 -3.22 0.00
LOCKPORT___CC2 323770	42.35 -4.01 0.00	38.80 -3.74 0.40	27.19 -3.59 7.16	33.97 -3.78 4.52	36.72 -3.93 0.34	42.18 -4.74 8.15	36.60 -4.62 11.43	30.13 -3.72 9.32	25.47 -3.34 8.20	25.74 -3.05 7.31	26.13 -3.39 7.20	22.58 -2.55 6.56	26.34 -3.36 7.23	22.73 -3.18 7.04	24.97 -3.53 7.45	23.66 -3.05 6.82	26.07 -3.35 7.50	50.36 -5.88 13.41	54.70 -6.07 14.17	64.72 -7.57 16.00	47.36 -5.17 6.86	43.49 -4.97 1.99	37.07 -3.68 0.00	35.82 -3.22 0.00
LOCKPORT___CC3 323771	42.35 -4.01 0.00	38.80 -3.74 0.40	27.19 -3.59 7.16	33.97 -3.78 4.52	36.72 -3.93 0.34	42.18 -4.74 8.15	36.60 -4.62 11.43	30.13 -3.72 9.32	25.47 -3.34 8.20	25.74 -3.05 7.31	26.13 -3.39 7.20	22.58 -2.55 6.56	26.34 -3.36 7.23	22.73 -3.18 7.04	24.97 -3.53 7.45	23.66 -3.05 6.82	26.07 -3.35 7.50	50.36 -5.88 13.41	54.70 -6.07 14.17	64.72 -7.57 16.00	47.36 -5.17 6.86	43.49 -4.97 1.99	37.07 -3.68 0.00	35.82 -3.22 0.00
LONG_LAKE_PHOENIX 24014	44.79 -1.56 0.00	41.47 -1.48 0.00	36.65 -1.29 0.00	40.93 -1.35 0.00	39.64 -1.35 0.00	53.35 -1.71 0.00	51.05 -1.60 0.00	41.86 -1.32 0.00	35.84 -1.16 0.00	35.00 -1.10 0.00	35.52 -1.20 0.00	30.63 -1.06 0.00	35.71 -1.22 0.00	31.84 -1.11 0.00	34.71 -1.24 0.00	32.32 -1.20 0.00	35.57 -1.35 0.00	67.30 -2.35 0.00	72.50 -2.43 0.00	85.33 -2.96 0.00	57.36 -2.03 0.00	48.52 -1.92 0.00	39.17 -1.59 0.00	37.54 -1.50 0.00
LOVETT___3 23632	47.31 0.95 0.00	43.78 0.83 0.00	38.75 0.81 0.00	43.21 0.93 0.00	41.94 0.95 0.00	56.28 1.22 0.00	53.94 1.28 0.00	44.35 1.17 0.00	38.12 1.12 0.00	37.35 1.26 0.00	38.19 1.47 0.00	32.80 1.11 0.00	38.25 1.32 0.00	34.21 1.26 0.00	37.37 1.42 0.00	34.88 1.35 0.00	38.41 1.49 0.00	71.92 2.26 0.00	77.30 2.37 0.00	91.08 2.79 0.00	61.37 1.98 0.00	52.17 1.73 0.00	42.10 1.35 0.00	40.27 1.23 0.00
LOVETT___4 23642	47.31 0.95 0.00	43.78 0.83 0.00	38.75 0.81 0.00	43.21 0.93 0.00	41.94 0.95 0.00	56.28 1.22 0.00	53.94 1.28 0.00	44.35 1.17 0.00	38.12 1.12 0.00	37.35 1.26 0.00	38.19 1.47 0.00	32.80 1.11 0.00	38.25 1.32 0.00	34.21 1.26 0.00	37.37 1.42 0.00	34.88 1.35 0.00	38.41 1.49 0.00	71.92 2.26 0.00	77.30 2.37 0.00	91.08 2.79 0.00	61.37 1.98 0.00	52.17 1.73 0.00	42.10 1.35 0.00	40.27 1.23 0.00
LOVETT___5 23593	47.31 0.95 0.00	43.78 0.83 0.00	38.75 0.81 0.00	43.21 0.93 0.00	41.94 0.95 0.00	56.28 1.22 0.00	53.94 1.28 0.00	44.35 1.17 0.00	38.12 1.12 0.00	37.35 1.26 0.00	38.19 1.47 0.00	32.80 1.11 0.00	38.25 1.32 0.00	34.21 1.26 0.00	37.37 1.42 0.00	34.88 1.35 0.00	38.41 1.49 0.00	71.92 2.26 0.00	77.30 2.37 0.00	91.08 2.79 0.00	61.37 1.98 0.00	52.17 1.73 0.00	42.10 1.35 0.00	40.27 1.23 0.00
LOWER RAQUET___HYD 24057	46.98 0.62 0.00	43.55 0.60 0.00	38.40 0.46 0.00	42.69 0.41 0.00	41.46 0.47 0.00	55.21 0.15 0.00	52.52 -0.14 0.00	47.27 -0.23 -4.32	41.72 -0.59 -5.31	45.09 -0.77 -9.77	58.12 -0.81 -22.21	63.08 -0.71 -32.10	71.18 -0.87 -35.12	64.98 -0.73 -32.76	69.36 -0.84 -34.25	65.79 -0.75 -33.02	71.09 -0.86 -35.04	124.46 -0.44 -55.24	133.75 0.16 -58.65	155.07 0.04 -66.74	108.63 0.22 -49.02	92.93 0.59 -41.89	57.03 0.49 -15.79	39.78 0.49 -0.25
LOWER___HUDSON 24059	48.00 1.65 0.00	44.50 1.55 0.00	39.35 1.41 0.00	43.79 1.51 0.00	42.59 1.60 0.00	57.20 2.13 0.00	54.72 2.06 0.00	44.83 1.65 0.00	38.53 1.53 0.00	37.51 1.42 0.00	38.19 1.47 0.00	33.00 1.31 0.00	38.44 1.51 0.00	34.34 1.39 0.00	37.57 1.62 0.00	35.13 1.60 0.00	38.73 1.82 0.00	72.62 2.96 0.00	77.79 2.86 0.00	91.93 3.64 0.00	61.81 2.42 0.00	52.54 2.09 0.00	42.43 1.68 0.00	40.65 1.61 0.00
LOWVILLE_115KV_TB2 356335	45.60 -0.75 0.00	42.20 -0.75 0.00	37.37 -0.57 0.00	41.77 -0.51 0.00	40.80 -0.18 0.00	54.47 -0.60 0.00	51.70 -0.96 0.00	43.39 -0.87 -1.08	37.17 -1.16 -1.33	37.02 -1.53 -2.45	40.53 -1.77 -5.58	38.07 -1.69 -8.07	43.76 -2.00 -8.83	39.37 -1.82 -8.23	42.60 -1.96 -8.61	40.05 -1.77 -8.30	44.14 -1.58 -8.80	82.06 -1.48 -13.88	88.94 -0.74 -14.74	104.20 -0.86 -16.77	70.99 -0.71 -12.32	60.33 -0.65 -10.53	44.04 -0.68 -3.97	38.39 -0.72 -0.06
LUTHERFT_115KV_GLOB_FND_222 355753	48.71 2.36 0.00	45.15 2.20 0.00	39.90 1.96 0.00	44.43 2.16 0.00	43.18 2.19 0.00	58.07 3.00 0.00	55.59 2.94 0.00	45.52 2.34 0.00	39.00 2.00 0.00	37.83 1.73 0.00	38.43 1.72 0.00	33.24 1.55 0.00	38.77 1.84 0.00	34.58 1.63 0.00	37.83 1.88 0.00	35.40 1.87 0.00	39.14 2.23 0.00	73.81 4.15 0.00	79.24 4.30 0.00	93.48 5.19 0.00	62.86 3.47 0.00	53.29 2.85 0.00	42.98 2.24 0.00	41.19 2.15 0.00

LUTHERNY_35_KV_BK2 355980	48.74 2.39 0.00	45.15 2.21 0.00	39.90 1.96 0.00	44.42 2.15 0.00	43.17 2.18 0.00	58.04 2.97 0.00	55.58 2.93 0.00	45.52 2.34 0.00	39.00 2.00 0.00	37.83 1.74 0.00	38.45 1.73 0.00	33.25 1.56 0.00	38.82 1.89 0.00	34.58 1.63 0.00	37.81 1.86 0.00	35.40 1.87 0.00	39.15 2.24 0.00	73.90 4.24 0.00	79.34 4.40 0.00	93.49 5.20 0.00	62.91 3.52 0.00	53.29 2.84 0.00	43.00 2.25 0.00	41.20 2.16 0.00
LWR___OSWEGATCHIE_HYD 23850	46.01 -0.34 0.00	42.60 -0.34 0.00	37.65 -0.29 0.00	41.97 -0.31 0.00	40.89 -0.10 0.00	54.54 -0.53 0.00	51.80 -0.86 0.00	45.25 -0.81 -2.88	39.35 -1.18 -3.53	41.13 -1.48 -6.50	49.91 -1.60 -14.79	51.61 -1.46 -21.38	58.56 -1.75 -23.39	53.22 -1.55 -21.81	57.05 -1.71 -22.81	53.95 -1.57 -21.99	58.71 -1.54 -23.33	105.02 -1.43 -36.79	113.31 -0.69 -39.06	131.85 -0.89 -44.44	91.48 -0.55 -32.64	78.05 -0.29 -27.90	50.95 -0.32 -10.51	38.87 -0.33 -0.16
LYONS_FALL_HYD 23570	46.26 -0.10 0.00	42.83 -0.12 0.00	37.89 -0.05 0.00	42.29 0.02 0.00	41.20 0.21 0.00	55.18 0.11 0.00	52.57 -0.08 0.00	43.68 -0.13 -0.63	37.36 -0.41 -0.77	36.84 -0.67 -1.42	39.11 -0.84 -3.23	35.52 -0.84 -4.67	41.08 -0.96 -5.11	36.82 -0.90 -4.77	40.01 -0.93 -4.99	37.52 -0.82 -4.80	41.44 -0.58 -5.10	77.60 -0.09 -8.04	83.88 0.41 -8.54	98.44 0.43 -9.71	66.71 0.19 -7.13	56.64 0.10 -6.10	43.00 -0.05 -2.30	38.98 -0.10 -0.04
MADISON___COUNTY_LFGE 323628	47.01 0.66 0.00	43.52 0.57 0.00	38.43 0.49 0.00	42.91 0.63 0.00	41.65 0.66 0.00	56.07 1.00 0.00	53.71 1.06 0.00	44.02 0.85 0.00	37.54 0.54 0.00	36.50 0.41 0.00	36.94 0.22 0.00	31.81 0.11 0.00	37.15 0.22 0.00	33.08 0.13 0.00	36.14 0.19 0.00	33.78 0.25 0.00	37.44 0.52 0.00	71.14 1.49 0.00	76.69 1.75 0.00	90.23 1.94 0.00	60.61 1.22 0.00	51.35 0.90 0.00	41.38 0.63 0.00	39.60 0.56 0.00
MALONE___115KV_TB1 356076	47.24 0.89 0.00	43.82 0.88 0.00	38.55 0.61 0.00	42.63 0.35 0.00	41.22 0.23 0.00	55.34 0.28 0.00	52.77 0.12 0.00	60.29 0.03 -17.08	57.02 -0.16 -20.19	73.35 -0.27 -37.53	117.48 -0.23 -80.99	148.02 -0.23 -116.56	164.11 -0.33 -127.51	151.52 -0.37 -118.94	160.11 -0.47 -124.63	153.04 -0.37 -119.88	163.68 -0.46 -127.22	270.41 0.19 -200.57	288.64 0.73 -212.97	331.33 0.71 -242.33	237.88 0.52 -177.97	203.22 0.66 -152.11	98.60 0.51 -57.34	40.44 0.51 -0.89
MAPLEWOD_115KV_TB3 80458	48.03 1.68 0.00	44.50 1.56 0.00	39.37 1.43 0.00	43.82 1.55 0.00	42.60 1.61 0.00	57.20 2.14 0.00	54.70 2.04 0.00	44.84 1.66 0.00	38.57 1.57 0.00	37.60 1.51 0.00	38.28 1.56 0.00	33.05 1.36 0.00	38.50 1.57 0.00	34.41 1.46 0.00	37.62 1.67 0.00	35.16 1.63 0.00	38.80 1.88 0.00	72.72 3.07 0.00	77.95 3.01 0.00	92.05 3.77 0.00	61.92 2.53 0.00	52.61 2.17 0.00	42.51 1.76 0.00	40.70 1.65 0.00
MAPLE_RIDGE_WT_1 323574	45.81 -0.55 0.00	42.69 -0.25 0.00	37.68 -0.25 0.00	41.85 -0.42 0.00	40.59 -0.40 0.00	54.39 -0.67 0.00	51.68 -0.98 0.00	39.45 -0.95 2.78	32.73 -0.85 3.42	28.92 -0.88 6.29	21.46 -0.95 14.31	10.19 -0.82 20.67	13.32 -0.99 22.62	10.94 -0.91 21.10	12.63 -0.95 22.36	11.40 -0.86 21.26	13.36 -0.99 22.57	32.42 -1.66 35.58	35.50 -1.66 37.78	43.46 -1.85 42.98	26.52 -1.30 31.57	22.38 -1.08 26.98	29.70 -0.88 10.17	38.17 -0.71 0.16
MAPLE_RIDGE_WT_2 323611	45.81 -0.55 0.00	42.69 -0.25 0.00	37.68 -0.25 0.00	41.85 -0.42 0.00	40.59 -0.40 0.00	54.39 -0.67 0.00	51.68 -0.98 0.00	39.45 -0.95 2.78	32.73 -0.85 3.42	28.92 -0.88 6.29	21.46 -0.95 14.31	10.19 -0.82 20.67	13.32 -0.99 22.62	10.94 -0.91 21.10	12.63 -0.95 22.36	11.40 -0.86 21.26	13.36 -0.99 22.57	32.42 -1.66 35.58	35.50 -1.66 37.78	43.46 -1.85 42.98	26.52 -1.30 31.57	22.38 -1.08 26.98	29.70 -0.88 10.17	38.17 -0.71 0.16
MARBLE_RIVER_WT_PWR 323696	46.05 -0.31 0.00	42.91 -0.04 0.00	37.45 -0.48 0.00	40.82 -1.46 0.00	39.22 -1.77 0.00	52.76 -2.30 0.00	50.12 -2.54 0.00	7.50 -2.31 33.37	8.69 -2.19 26.11	-21.00 -2.15 54.94	-7.01 -1.82 41.91	-21.00 -1.55 51.14	-21.00 -1.98 55.95	-21.00 -1.76 52.19	-21.00 -2.08 54.87	-21.00 -1.93 52.60	-21.00 -2.10 55.82	-21.00 -2.66 88.00	-21.00 -2.50 93.44	-21.00 -2.97 106.32	-21.00 -2.31 78.08	-17.87 -1.58 66.74	13.98 -1.61 25.16	37.30 -1.35 0.39
MARSHVLE_115KV_TB1 80742	48.31 1.96 0.00	44.86 1.91 0.00	39.60 1.65 0.00	43.99 1.71 0.00	42.62 1.63 0.00	57.25 2.18 0.00	54.67 2.02 0.00	44.72 1.54 0.00	37.89 0.89 0.00	36.28 0.19 0.00	36.99 0.27 0.00	31.93 0.24 0.00	37.22 0.29 0.00	33.27 0.32 0.00	36.35 0.40 0.00	33.93 0.40 0.00	37.73 0.82 0.00	72.67 3.02 0.00	78.36 3.42 0.00	92.22 3.93 0.00	61.98 2.59 0.00	52.53 2.09 0.00	42.41 1.66 0.00	40.59 1.55 0.00
MARSH_HILL_WT_PWR 323713	43.09 -3.26 0.00	41.39 -2.93 -1.37	59.12 -3.35 -24.53	53.72 -4.04 -15.48	37.69 -4.48 -1.18	77.01 -5.94 -27.88	86.47 -5.33 -39.14	70.80 -4.31 -31.92	61.36 -3.71 -28.06	57.50 -3.63 -25.03	57.20 -4.18 -24.66	50.50 -3.65 -22.46	57.29 -4.37 -24.74	52.98 -4.06 -24.09	56.93 -4.52 -25.50	52.60 -4.29 -23.36	58.19 -4.40 -25.67	108.59 -6.97 -45.91	117.14 -6.30 -48.51	136.08 -6.99 -54.77	78.34 -4.53 -23.49	52.85 -4.40 -6.80	37.26 -3.49 0.00	35.75 -3.29 0.00
MCINTYRE_115KV_TB2 80467	48.26 1.91 0.00	44.71 1.76 0.00	39.40 1.46 0.00	43.84 1.56 0.00	42.49 1.50 0.00	56.93 1.86 0.00	54.32 1.67 0.00	48.01 1.14 -3.68	41.77 0.25 -4.52	44.41 -0.02 -8.33	55.61 -0.04 -18.94	58.95 -0.11 -27.37	66.70 -0.17 -29.94	60.73 -0.14 -27.93	64.91 -0.22 -29.18	61.52 -0.15 -28.15	66.65 -0.14 -29.87	118.18 1.43 -47.10	127.57 2.62 -50.01	148.11 2.92 -56.90	103.24 2.06 -41.79	88.15 1.99 -35.72	55.83 1.62 -13.46	40.84 1.59 -0.21
MECO_____69_KV_BK1 80468	49.13 2.78 0.00	45.53 2.59 0.00	40.20 2.26 0.00	44.70 2.43 0.00	43.35 2.36 0.00	58.31 3.25 0.00	55.78 3.12 0.00	45.60 2.42 0.00	38.58 1.58 0.00	36.45 0.35 0.00	37.07 0.35 0.00	32.03 0.34 0.00	37.36 0.43 0.00	33.31 0.36 0.00	36.45 0.49 0.00	34.05 0.53 0.00	38.27 1.36 0.00	74.24 4.58 0.00	80.15 5.21 0.00	94.39 6.10 0.00	63.46 4.07 0.00	53.71 3.27 0.00	43.30 2.55 0.00	41.39 2.35 0.00
MENANDS___115KV_TB5 355628	47.91 1.56 0.00	44.41 1.47 0.00	39.29 1.35 0.00	43.73 1.46 0.00	42.52 1.53 0.00	57.09 2.02 0.00	54.57 1.92 0.00	44.74 1.57 0.00	38.51 1.51 0.00	37.56 1.46 0.00	38.27 1.55 0.00	33.04 1.35 0.00	38.49 1.56 0.00	34.40 1.45 0.00	37.61 1.66 0.00	35.14 1.62 0.00	38.75 1.83 0.00	72.51 2.85 0.00	77.68 2.74 0.00	91.76 3.47 0.00	61.74 2.35 0.00	52.48 2.03 0.00	42.41 1.66 0.00	40.60 1.56 0.00
MG INDUSTRY___DRP 24185	47.85 1.50 0.00	44.34 1.39 0.00	39.23 1.29 0.00	43.69 1.41 0.00	42.44 1.45 0.00	57.00 1.94 0.00	54.51 1.86 0.00	44.63 1.45 0.00	38.22 1.22 0.00	37.25 1.16 0.00	37.88 1.17 0.00	32.72 1.03 0.00	38.08 1.15 0.00	33.99 1.04 0.00	37.14 1.20 0.00	34.67 1.14 0.00	38.40 1.48 0.00	72.33 2.67 0.00	77.65 2.71 0.00	91.62 3.33 0.00	61.66 2.27 0.00	52.39 1.95 0.00	42.30 1.55 0.00	40.50 1.46 0.00

MID___OSWEGATCHIE_HYD 23849	46.01 -0.34 0.00	42.60 -0.34 0.00	37.65 -0.29 0.00	41.97 -0.31 0.00	40.89 -0.10 0.00	54.54 -0.53 0.00	51.80 -0.86 0.00	45.25 -0.81 -2.88	39.35 -1.18 -3.53	41.13 -1.48 -6.50	49.91 -1.60 -21.38	51.61 -1.46 -21.38	58.56 -1.75 -23.39	53.22 -1.55 -21.81	57.05 -1.71 -22.81	53.95 -1.57 -21.99	58.71 -1.54 -23.33	105.02 -1.43 -36.79	113.31 -0.69 -39.06	131.85 -0.89 -44.44	91.48 -0.55 -32.64	78.05 -0.29 -27.90	50.95 -0.32 -10.51	38.87 -0.33 -0.16
MID___RAQUETTE_HYD 23851	46.98 0.62 0.00	43.55 0.60 0.00	38.40 0.46 0.00	42.70 0.42 0.00	41.46 0.47 0.00	55.21 0.15 0.00	52.52 -0.14 0.00	47.27 -0.23 -4.32	41.71 -0.59 -5.31	45.09 -0.77 -9.77	58.12 -0.80 -22.21	63.09 -0.70 -32.10	71.18 -0.87 -35.12	64.98 -0.73 -32.76	69.36 -0.84 -34.25	65.79 -0.75 -33.02	71.10 -0.86 -35.04	124.46 -0.44 -55.24	133.76 0.17 -58.65	155.07 0.04 -66.74	108.63 0.23 -49.02	92.93 0.59 -41.89	57.03 0.49 -15.79	39.78 0.49 -0.25
MILLIKEN___1 23584	46.44 0.08 0.00	43.01 -0.04 -0.10	39.59 -0.13 -1.78	43.40 0.00 -1.12	41.01 -0.07 -0.08	57.11 0.02 -2.02	55.64 0.14 -2.84	45.65 0.16 -2.32	39.10 0.06 -2.04	37.81 -0.10 -1.82	38.11 -0.40 -1.79	32.91 -0.41 -1.63	38.30 -0.42 -1.80	34.24 -0.46 -1.75	37.18 -0.62 -1.85	34.62 -0.60 -1.69	38.25 -0.53 -1.86	72.96 -0.03 -3.33	78.83 0.38 -3.52	92.73 0.47 -3.97	61.40 0.30 -1.70	50.84 -0.10 -0.49	40.64 -0.11 0.00	38.94 -0.11 0.00
MILLIKEN___2 23585	46.44 0.08 0.00	43.01 -0.04 -0.10	39.59 -0.13 -1.78	43.40 0.00 -1.12	41.01 -0.07 -0.08	57.11 0.02 -2.02	55.64 0.14 -2.84	45.65 0.16 -2.32	39.10 0.06 -2.04	37.81 -0.10 -1.82	38.11 -0.40 -1.79	32.91 -0.41 -1.63	38.30 -0.42 -1.80	34.24 -0.46 -1.75	37.18 -0.62 -1.85	34.62 -0.60 -1.69	38.25 -0.53 -1.86	72.96 -0.03 -3.33	78.83 0.38 -3.52	92.73 0.47 -3.97	61.40 0.30 -1.70	50.84 -0.10 -0.49	40.64 -0.11 0.00	38.94 -0.11 0.00
MILLIKEN___DIESEL 23629	46.44 0.08 0.00	43.01 -0.04 -0.10	39.59 -0.13 -1.78	43.40 0.00 -1.12	41.01 -0.07 -0.08	57.11 0.02 -2.02	55.64 0.14 -2.84	45.65 0.16 -2.32	39.10 0.06 -2.04	37.81 -0.10 -1.82	38.11 -0.40 -1.79	32.91 -0.41 -1.63	38.30 -0.42 -1.80	34.24 -0.46 -1.75	37.18 -0.62 -1.85	34.62 -0.60 -1.69	38.25 -0.53 -1.86	72.96 -0.03 -3.33	78.83 0.38 -3.52	92.73 0.47 -3.97	61.40 0.30 -1.70	50.84 -0.10 -0.49	40.64 -0.11 0.00	38.94 -0.11 0.00
MILLSEAT___LFGE 323607	43.63 -2.72 0.00	40.12 -2.56 0.27	30.60 -2.52 4.82	36.63 -2.60 3.05	38.01 -2.75 0.23	46.46 -3.13 5.48	41.96 -3.00 7.70	34.49 -2.42 6.28	29.19 -2.29 5.52	29.05 -2.12 4.92	29.25 -2.61 4.85	25.71 -1.57 4.42	29.48 -2.58 4.86	25.61 -2.60 4.74	28.07 -2.86 5.01	26.53 -2.40 4.59	29.40 -2.47 5.05	56.78 -3.85 9.03	61.79 -3.61 9.54	72.87 -4.65 10.77	51.53 -3.24 4.62	45.73 -3.38 1.34	38.28 -2.47 0.00	36.91 -2.14 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	47.61 1.26 0.00	44.04 1.10 0.00	39.02 1.08 0.00	43.46 1.19 0.00	42.22 1.23 0.00	56.66 1.59 0.00	54.29 1.63 0.00	44.66 1.48 0.00	38.40 1.40 0.00	37.61 1.52 0.00	38.46 1.74 0.00	33.03 1.34 0.00	38.52 1.59 0.00	34.44 1.49 0.00	37.63 1.68 0.00	35.14 1.62 0.00	38.72 1.80 0.00	72.43 2.77 0.00	77.83 2.89 0.00	91.77 3.49 0.00	61.83 2.45 0.00	52.50 2.06 0.00	42.30 1.56 0.00	40.46 1.42 0.00
MILLWOOD_13_KV_LOAD 356217	47.68 1.33 0.00	44.12 1.17 0.00	39.06 1.12 0.00	43.53 1.25 0.00	42.28 1.29 0.00	56.73 1.66 0.00	54.37 1.72 0.00	44.71 1.54 0.00	38.45 1.45 0.00	37.67 1.57 0.00	38.50 1.78 0.00	33.06 1.37 0.00	38.55 1.62 0.00	34.47 1.52 0.00	37.66 1.71 0.00	35.18 1.66 0.00	38.76 1.85 0.00	72.53 2.87 0.00	77.97 3.03 0.00	91.91 3.62 0.00	61.94 2.55 0.00	52.58 2.13 0.00	42.35 1.60 0.00	40.51 1.47 0.00
MODEL_CITY_ENERGY 24167	41.97 -4.38 0.00	38.55 -4.08 0.32	28.32 -3.90 5.72	34.57 -4.10 3.61	36.50 -4.22 0.27	43.39 -5.18 6.50	38.46 -5.07 9.12	31.63 -4.10 7.44	26.79 -3.66 6.54	26.92 -3.34 5.83	27.30 -3.66 5.75	23.62 -2.83 5.23	27.53 -3.63 5.77	23.92 -3.41 5.62	26.23 -3.78 5.94	24.81 -3.27 5.45	27.32 -3.61 5.99	52.48 -6.47 10.70	56.89 -6.74 11.31	67.10 -8.42 12.77	48.22 -5.70 5.48	43.44 -5.42 1.59	36.76 -3.99 0.00	35.52 -3.52 0.00
MODERN_LFGE___ 323580	41.97 -4.38 0.00	38.55 -4.08 0.32	28.32 -3.90 5.72	34.57 -4.10 3.61	36.50 -4.22 0.27	43.39 -5.18 6.50	38.46 -5.07 9.12	31.63 -4.10 7.44	26.79 -3.66 6.54	26.92 -3.34 5.83	27.30 -3.66 5.75	23.62 -2.83 5.23	27.53 -3.63 5.77	23.92 -3.41 5.62	26.23 -3.78 5.94	24.81 -3.27 5.45	27.32 -3.61 5.99	52.48 -6.47 10.70	56.89 -6.74 11.31	67.10 -8.42 12.77	48.22 -5.70 5.48	43.44 -5.42 1.59	36.76 -3.99 0.00	35.52 -3.52 0.00
MOHAWK_PAPER___DRP 24187	48.03 1.68 0.00	44.50 1.56 0.00	39.37 1.43 0.00	43.82 1.55 0.00	42.60 1.61 0.00	57.20 2.14 0.00	54.70 2.04 0.00	44.84 1.66 0.00	38.57 1.57 0.00	37.60 1.51 0.00	38.28 1.56 0.00	33.05 1.36 0.00	38.50 1.57 0.00	34.41 1.46 0.00	37.62 1.67 0.00	35.16 1.63 0.00	38.80 1.88 0.00	72.72 3.07 0.00	77.95 3.01 0.00	92.05 3.77 0.00	61.92 2.53 0.00	52.61 2.17 0.00	42.51 1.76 0.00	40.70 1.65 0.00
MOHICAN___35_KV_115KV_LD 80490	49.87 3.52 0.00	46.25 3.31 0.00	40.85 2.91 0.00	45.46 3.18 0.00	44.22 3.23 0.00	59.62 4.55 0.00	57.08 4.43 0.00	46.69 3.51 0.00	39.96 2.96 0.00	38.66 2.56 0.00	39.08 2.36 0.00	33.77 2.08 0.00	39.37 2.44 0.00	35.09 2.14 0.00	38.47 2.52 0.00	36.10 2.58 0.00	39.87 2.95 0.00	75.34 5.68 0.00	81.08 6.15 0.00	95.74 7.45 0.00	64.30 4.91 0.00	54.39 3.95 0.00	43.81 3.06 0.00	42.03 2.99 0.00
MONGAUP___HYD 23641	47.97 1.62 0.00	44.38 1.44 0.00	39.23 1.29 0.00	43.73 1.45 0.00	42.44 1.45 0.00	57.00 1.94 0.00	54.64 1.98 0.00	44.83 1.65 0.00	38.22 1.22 0.00	37.24 1.15 0.00	37.87 1.15 0.00	32.44 0.75 0.00	37.81 0.88 0.00	33.79 0.84 0.00	36.91 0.96 0.00	34.46 0.93 0.00	38.15 1.23 0.00	72.29 2.64 0.00	77.36 2.43 0.00	91.25 2.96 0.00	62.17 2.78 0.00	52.86 2.42 0.00	42.63 1.88 0.00	40.77 1.72 0.00
MONTAUK___DIESEL 23721	48.35 2.00 0.00	44.00 1.05 0.00	38.71 0.77 0.00	43.90 1.62 0.00	43.33 2.34 0.00	60.00 4.94 0.00	57.31 4.66 0.00	46.73 3.56 0.00	38.87 1.87 0.00	36.45 0.36 0.00	37.35 0.64 0.00	31.68 -0.01 0.00	36.73 -0.20 0.00	32.85 -0.10 0.00	36.06 0.11 0.00	34.06 0.54 0.00	38.10 1.19 0.00	71.19 1.53 0.00	76.86 1.92 0.00	90.60 2.31 0.00	61.00 1.61 0.00	52.24 1.80 0.00	41.82 1.07 0.00	39.89 0.85 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	43.85 -2.50 0.00	39.98 -2.83 0.14	32.42 -3.08 2.44	37.88 -2.85 1.54	37.72 -3.16 0.12	49.51 -2.78 2.78	46.16 -2.59 3.90	37.26 -2.74 3.18	32.16 -2.05 2.80	32.14 -1.46 2.49	32.67 -1.59 2.46	28.11 -1.35 2.24	32.51 -1.96 2.47	28.31 -2.24 2.40	30.62 -2.79 2.54	28.87 -2.33 2.33	31.68 -2.68 2.56	61.02 -4.06 4.57	66.15 -3.96 4.83	78.45 -4.38 5.46	54.61 -2.43 2.34	46.47 -3.29 0.68	37.98 -2.77 0.00	36.28 -2.77 0.00

MORRIS_RIDGE___SOLAR 323848	42.76 -3.59 0.00	36.70 -3.41 2.83	-16.16 -3.44 50.66	6.45 -3.84 31.98	34.54 -4.01 2.44	-7.60 -5.06 57.60	-32.85 -4.66 80.85	-26.53 -3.77 65.94	-24.17 -3.20 57.97	-18.71 -3.10 51.70	-17.80 -3.59 50.93	-17.80 -3.11 46.38	-17.80 -3.63 51.10	-20.15 -3.34 49.76	-20.50 -3.77 52.68	-18.29 -3.56 48.25	-19.83 -3.72 53.02	-31.21 -6.04 94.82	-31.12 -5.87 100.20	-31.68 -6.84 113.14	6.30 -4.58 48.51	32.06 -4.33 14.05	37.37 -3.38 0.00	35.91 -3.13 0.00
MORTIMER_115KV_TB3 55949	44.11 -2.25 0.00	40.85 -2.10 0.00	35.94 -2.00 0.00	40.21 -2.07 0.00	38.81 -2.18 0.00	52.56 -2.51 0.00	50.26 -2.40 0.00	41.27 -1.91 0.00	35.25 -1.75 0.00	34.49 -1.60 0.00	34.86 -1.86 0.00	30.08 -1.61 0.00	35.02 -1.91 0.00	31.16 -1.80 0.00	33.94 -2.01 0.00	31.80 -1.73 0.00	35.05 -1.87 0.00	66.69 -2.97 0.00	71.97 -2.96 0.00	84.46 -3.83 0.00	56.76 -2.63 0.00	47.73 -2.71 0.00	38.64 -2.11 0.00	37.18 -1.86 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	47.77 1.42 0.00	44.16 1.21 0.00	39.17 1.23 0.00	43.63 1.35 0.00	42.38 1.39 0.00	56.82 1.75 0.00	54.48 1.82 0.00	44.87 1.69 0.00	38.66 1.66 0.00	37.92 1.82 0.00	38.81 2.09 0.00	33.31 1.62 0.00	38.86 1.93 0.00	34.73 1.78 0.00	37.94 1.99 0.00	35.42 1.90 0.00	38.99 2.07 0.00	72.75 3.09 0.00	78.21 3.27 0.00	92.23 3.94 0.00	62.17 2.79 0.00	52.85 2.40 0.00	42.64 1.89 0.00	40.77 1.73 0.00
MUNSVILLE_WIND_PWR 323609	48.51 2.16 0.00	44.50 1.48 -0.07	40.28 1.03 -1.31	44.64 1.54 -0.83	42.36 1.30 -0.06	57.60 1.04 -1.49	55.78 1.04 -2.09	45.58 0.70 -1.70	38.86 0.37 -1.50	37.21 -0.22 -1.33	37.61 -0.43 -1.32	32.37 -0.51 -1.20	37.65 -0.60 -1.32	33.53 -0.71 -1.29	36.43 -0.88 -1.36	34.08 -0.69 -1.24	38.06 -0.22 -1.37	73.39 1.29 -2.45	79.48 1.96 -2.59	93.53 2.32 -2.92	62.18 1.54 -1.25	51.67 0.86 -0.36	41.36 0.61 0.00	39.48 0.44 0.00
N SALMON___HYD 24042	47.24 0.89 0.00	43.82 0.88 0.00	38.55 0.62 0.00	42.63 0.35 0.00	41.22 0.23 0.00	55.34 0.28 0.00	52.77 0.12 0.00	60.29 0.03 -17.08	57.02 -0.16 -20.19	73.34 -0.28 -37.53	117.47 -0.23 -80.99	148.02 -0.23 -116.56	164.10 -0.34 -127.51	151.51 -0.38 -118.94	160.10 -0.48 -124.63	153.03 -0.38 -119.88	163.68 -0.46 -127.22	270.41 0.18 -200.57	288.63 0.72 -212.97	331.32 0.70 -242.33	237.88 0.52 -177.97	203.22 0.66 -152.11	98.60 0.51 -57.34	40.44 0.51 -0.89
N.AKRON__115KV_KNAPP 355671	43.49 -2.86 0.00	39.98 -2.67 0.29	30.09 -2.67 5.18	36.24 -2.76 3.27	37.86 -2.88 0.25	45.82 -3.35 5.89	41.14 -3.25 8.27	33.83 -2.61 6.75	28.63 -2.44 5.93	28.50 -2.31 5.29	28.82 -2.69 5.21	26.14 -0.80 4.75	29.20 -2.51 5.23	25.19 -2.67 5.09	27.61 -2.96 5.39	26.12 -2.48 4.94	28.86 -2.63 5.43	55.84 -4.11 9.70	60.72 -3.96 10.25	71.60 -5.11 11.58	50.96 -3.46 4.96	45.45 -3.56 1.44	38.14 -2.61 0.00	36.78 -2.26 0.00
N.BELMOR_69_KV_BK1 55787	48.38 2.03 0.00	44.62 1.67 0.00	39.49 1.55 0.00	43.97 1.69 0.00	42.84 1.85 0.00	57.74 2.67 0.00	55.27 2.62 0.00	45.49 2.31 0.00	38.97 1.97 0.00	37.89 1.80 0.00	38.97 2.25 0.00	33.27 1.58 0.00	38.71 1.78 0.00	34.59 1.64 0.00	37.86 1.91 0.00	35.49 1.97 0.00	39.30 2.38 0.00	73.45 3.79 0.00	78.94 4.01 0.00	93.10 4.81 0.00	62.77 3.38 0.00	53.50 3.05 0.00	43.08 2.33 0.00	41.18 2.14 0.00
N.E_GEN_SANDY PD 24062	47.78 1.43 0.00	43.44 1.35 0.85	39.23 1.29 0.00	43.63 1.36 0.00	42.45 1.47 0.00	56.47 1.88 0.47	55.10 1.84 -0.61	44.67 1.49 0.00	38.72 1.44 -0.28	37.52 1.42 0.00	38.31 1.59 0.00	33.05 1.36 0.00	38.52 1.59 0.00	34.43 1.48 0.00	37.66 1.71 0.00	35.46 1.68 -0.25	47.17 1.84 -8.41	72.13 2.70 0.23	76.97 2.52 0.48	79.78 3.28 11.79	61.61 2.22 0.00	52.96 1.97 -0.54	41.70 1.58 0.62	40.53 1.49 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	47.37 1.02 0.00	43.84 0.89 0.00	38.79 0.85 0.00	43.27 0.99 0.00	41.99 1.00 0.00	56.35 1.28 0.00	53.98 1.32 0.00	44.37 1.19 0.00	38.13 1.13 0.00	37.37 1.27 0.00	38.19 1.47 0.00	32.80 1.11 0.00	38.25 1.32 0.00	34.21 1.26 0.00	37.38 1.43 0.00	34.88 1.35 0.00	38.42 1.51 0.00	71.97 2.32 0.00	77.38 2.44 0.00	91.14 2.85 0.00	61.41 2.02 0.00	52.20 1.76 0.00	42.12 1.37 0.00	40.29 1.25 0.00
N.QUEENS_27_KV_LOAD 356247	47.73 1.38 0.00	44.15 1.21 0.00	39.21 1.27 0.00	43.55 1.28 0.00	42.27 1.28 0.00	56.63 1.57 0.00	54.36 1.71 0.00	44.84 1.66 0.00	38.61 1.61 0.00	38.01 1.91 0.00	38.85 2.14 0.00	33.34 1.65 0.00	38.84 1.91 0.00	34.73 1.78 0.00	37.94 1.99 0.00	35.45 1.93 0.00	38.96 2.04 0.00	72.60 2.94 0.00	78.07 3.14 0.00	92.30 4.01 0.00	62.21 2.82 0.00	52.89 2.44 0.00	42.69 1.94 0.00	40.78 1.74 0.00
N.TROY___115KV_TB1 355778	48.00 1.65 0.00	44.49 1.54 0.00	39.35 1.41 0.00	43.79 1.51 0.00	42.59 1.59 0.00	57.21 2.14 0.00	54.72 2.07 0.00	44.83 1.65 0.00	38.53 1.53 0.00	37.51 1.41 0.00	38.19 1.47 0.00	33.00 1.31 0.00	38.44 1.51 0.00	34.34 1.39 0.00	37.57 1.62 0.00	35.13 1.60 0.00	38.73 1.82 0.00	72.62 2.96 0.00	77.80 2.86 0.00	91.93 3.65 0.00	61.81 2.42 0.00	52.54 2.09 0.00	42.42 1.67 0.00	40.65 1.61 0.00
NARROWS_GT1_1 24228	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT1_2 24229	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT1_3 24230	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT1_4 24231	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49

NARROWS_GT1_5 24232	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT1_6 24233	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT1_7 24234	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT1_8 24235	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT2_1 24236	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT2_2 24237	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT2_3 24238	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT2_4 24239	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT2_5 24240	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT2_6 24241	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT2_7 24242	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NARROWS_GT2_8 24243	61.59 1.75 -13.48	61.05 1.54 -16.55	59.98 1.51 -20.53	59.95 1.63 -16.05	59.96 1.66 -17.32	60.96 2.08 -3.81	60.23 2.17 -5.40	61.49 2.00 -16.31	60.96 1.92 -22.03	60.56 2.12 -22.35	61.41 2.47 -22.23	60.27 1.99 -26.60	60.04 2.24 -20.88	58.90 2.08 -23.87	58.97 2.31 -20.72	59.80 2.23 -24.05	60.16 2.41 -20.84	77.73 3.56 -4.51	86.79 3.81 -8.05	107.55 4.56 -14.70	73.32 3.33 -10.61	61.77 2.91 -8.43	61.46 2.33 -18.39	60.67 2.14 -19.49
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	49.27 2.92 0.00	45.62 2.68 0.00	40.33 2.39 0.00	44.93 2.66 0.00	43.66 2.67 0.00	58.71 3.64 0.00	56.21 3.55 0.00	46.00 2.82 0.00	39.50 2.50 0.00	38.35 2.25 0.00	38.62 1.90 0.00	33.35 1.66 0.00	38.79 1.86 0.00	34.64 1.69 0.00	37.84 1.89 0.00	35.41 1.88 0.00	39.34 2.42 0.00	74.68 5.02 0.00	80.50 5.57 0.00	94.92 6.63 0.00	63.81 4.43 0.00	54.10 3.66 0.00	43.61 2.86 0.00	41.70 2.66 0.00
NCHELSEA_115KV_TR2 355582	48.03 1.68 0.00	44.43 1.48 0.00	39.33 1.39 0.00	43.83 1.55 0.00	42.57 1.58 0.00	57.14 2.08 0.00	54.76 2.11 0.00	44.99 1.81 0.00	38.67 1.66 0.00	37.81 1.71 0.00	38.57 1.86 0.00	33.15 1.46 0.00	38.67 1.74 0.00	34.56 1.61 0.00	37.79 1.84 0.00	35.31 1.79 0.00	38.95 2.04 0.00	73.07 3.41 0.00	78.57 3.63 0.00	92.61 4.32 0.00	62.37 2.99 0.00	52.98 2.54 0.00	42.73 1.98 0.00	40.85 1.81 0.00
NEG CAPITAL___MECHNVIL 23645	48.77 2.40 0.00	45.20 2.25 0.00	39.94 2.00 0.00	44.48 2.20 0.00	43.22 2.23 0.00	58.12 3.06 0.00	55.63 2.97 0.00	45.57 2.39 0.00	39.06 2.06 0.00	37.92 1.82 0.00	38.53 1.82 0.00	33.33 1.64 0.00	38.87 1.94 0.00	34.67 1.72 0.00	37.93 1.98 0.00	35.49 1.96 0.00	39.24 2.32 0.00	73.93 4.28 0.00	79.34 4.41 0.00	93.64 5.35 0.00	62.95 3.57 0.00	53.39 2.95 0.00	43.07 2.32 0.00	41.24 2.20 0.00

NEG CENTRAL_HIGH_ACRES 23767	43.74 -2.62 0.00	40.48 -2.46 0.00	35.69 -2.25 0.00	39.90 -2.37 0.00	38.54 -2.45 0.00	52.15 -2.91 0.00	49.92 -2.73 0.00	40.99 -2.19 0.00	35.05 -1.95 0.00	34.28 -1.82 0.00	34.60 -2.12 0.00	29.80 -1.89 0.00	34.77 -2.16 0.00	30.92 -2.03 0.00	33.66 -2.29 0.00	31.50 -2.02 0.00	34.79 -2.12 0.00	66.18 -3.48 0.00	71.40 -3.53 0.00	83.85 -4.44 0.00	56.30 -3.09 0.00	47.35 -3.09 0.00	38.30 -2.45 0.00	36.81 -2.23 0.00
NEG CENTRAL___DRP 24199	45.37 -0.98 0.00	42.08 -0.99 -0.13	39.18 -1.01 -2.25	42.69 -1.01 -1.42	40.02 -1.08 -0.11	56.34 -1.29 -2.56	55.14 -1.12 -3.60	45.29 -0.82 -2.93	38.86 -0.72 -2.58	37.63 -0.77 -2.30	37.87 -1.11 -2.26	32.77 -0.98 -2.06	38.10 -1.10 -2.27	34.06 -1.10 -2.21	37.00 -1.29 -2.34	34.47 -1.20 -2.15	38.05 -1.22 -2.36	72.31 -1.56 -4.21	78.11 -1.28 -4.45	91.77 -1.55 -5.03	60.51 -1.03 -2.16	49.84 -1.23 -0.63	39.71 -1.04 0.00	38.08 -0.96 0.00
NEG CENTRAL___INDECK 23768	45.02 -1.33 0.00	43.03 -1.30 -1.38	61.23 -1.45 -24.73	56.30 -1.59 -15.61	40.34 -1.84 -1.19	81.20 -1.99 -28.12	90.43 -1.70 -39.47	74.13 -1.24 -32.19	64.07 -1.23 -28.30	59.98 -1.36 -25.24	59.61 -1.97 -24.86	52.43 -1.91 -22.64	59.58 -2.29 -24.94	55.08 -2.16 -24.29	59.21 -2.46 -25.72	54.87 -2.21 -23.55	60.60 -2.20 -25.89	113.50 -2.44 -46.29	122.44 -1.41 -48.91	141.86 -1.66 -55.23	81.88 -1.19 -23.68	55.70 -1.60 -6.86	39.49 -1.26 0.00	37.92 -1.12 0.00
NEG CENTRAL___SENECA 23627	45.30 -1.05 0.00	42.10 -1.05 -0.20	40.43 -1.13 -3.61	43.42 -1.14 -2.28	39.90 -1.26 -0.17	57.67 -1.50 -4.11	57.12 -1.30 -5.77	46.96 -0.92 -4.70	40.35 -0.78 -4.14	38.97 -0.82 -3.69	39.08 -1.27 -3.63	33.87 -1.13 -3.31	39.31 -1.27 -3.65	35.21 -1.29 -3.55	38.17 -1.53 -3.76	35.57 -1.40 -3.44	39.35 -1.34 -3.78	74.81 -1.60 -6.76	80.86 -1.22 -7.15	94.81 -1.55 -8.07	61.84 -1.01 -3.46	50.21 -1.24 -1.00	39.68 -1.07 0.00	38.05 -1.00 0.00
NEG CENTRAL___STATE_STREET 24147	45.91 -0.44 0.00	42.44 -0.50 0.00	37.36 -0.58 0.00	41.84 -0.43 0.00	40.51 -0.48 0.00	54.60 -0.47 0.00	52.29 -0.37 0.00	42.91 -0.27 0.00	36.71 -0.29 0.00	35.68 -0.41 0.00	36.04 -0.68 0.00	31.04 -0.65 0.00	36.27 -0.66 0.00	32.26 -0.69 0.00	35.18 -0.77 0.00	32.80 -0.72 0.00	36.06 -0.85 0.00	68.87 -0.79 0.00	74.18 -0.75 0.00	87.62 -0.67 0.00	58.95 -0.44 0.00	49.62 -0.82 0.00	40.12 -0.63 0.00	38.48 -0.56 0.00
NEG MILLWOOD___DRP 24198	48.16 1.81 0.00	44.55 1.60 0.00	39.45 1.51 0.00	43.96 1.68 0.00	42.69 1.71 0.00	57.32 2.25 0.00	54.95 2.29 0.00	45.18 2.00 0.00	38.86 1.86 0.00	38.01 1.92 0.00	38.81 2.10 0.00	33.34 1.66 0.00	38.88 1.95 0.00	34.75 1.80 0.00	37.98 2.03 0.00	35.50 1.97 0.00	39.13 2.21 0.00	73.34 3.69 0.00	78.87 3.93 0.00	93.01 4.72 0.00	62.63 3.24 0.00	53.19 2.75 0.00	42.89 2.14 0.00	41.00 1.96 0.00
NEG NORTH_FLCN_SEA 23793	46.75 0.39 0.00	43.53 0.58 0.00	38.13 0.19 0.00	41.78 -0.50 0.00	40.21 -0.78 0.00	54.11 -0.96 0.00	51.48 -1.18 0.00	9.41 -1.18 32.59	10.20 -1.21 25.60	-18.94 -1.25 53.79	-6.02 -1.00 41.74	-20.40 -0.92 51.17	-20.24 -1.19 55.98	-20.36 -1.10 52.22	-20.25 -1.29 54.91	-20.23 -1.13 52.63	-20.18 -1.25 55.85	-19.56 -1.17 88.05	-19.45 -0.90 93.49	-19.37 -1.28 106.38	-19.76 -1.02 78.13	-16.83 -0.50 66.77	15.00 -0.58 25.17	38.23 -0.42 0.39
NEG NORTH_KES_CHATEGAY 23792	46.53 0.18 0.00	43.21 0.26 0.00	38.00 0.07 0.00	41.91 -0.37 0.00	40.43 -0.56 0.00	54.36 -0.70 0.00	51.82 -0.84 0.00	36.33 -0.77 6.07	27.53 -0.85 8.63	19.83 -0.92 15.34	-5.55 -0.85 41.42	-29.67 -0.76 60.61	-30.30 -0.92 66.30	-29.76 -0.86 61.85	-30.05 -1.00 65.01	-29.70 -0.89 62.34	-30.24 -1.00 66.15	-35.76 -1.13 104.29	-36.56 -0.75 110.74	-38.76 -1.05 126.00	-33.84 -0.69 92.54	-29.03 -0.38 79.09	10.62 -0.31 29.82	38.35 -0.23 0.46
NEG NORTH___ALICE_FALLS 23915	47.06 0.71 0.00	43.77 0.82 0.00	38.39 0.45 0.00	42.13 -0.15 0.00	40.56 -0.42 0.00	54.59 -0.47 0.00	51.99 -0.66 0.00	50.26 -0.73 -7.81	37.37 -0.86 -1.23	41.31 -0.91 -6.12	3.28 -0.67 32.77	-21.67 -0.69 52.67	-21.63 -0.94 57.62	-21.68 -0.89 53.74	-21.63 -1.07 56.51	-21.57 -0.93 54.17	-21.55 -0.98 57.49	-21.61 -0.65 90.63	-21.55 -0.26 96.23	-21.73 -0.53 109.49	-21.52 -0.50 80.41	-18.40 -0.12 68.73	14.61 -0.24 25.91	38.51 -0.13 0.40
NEG NORTH___LWR_SARANAC 23913	47.06 0.71 0.00	43.77 0.82 0.00	38.39 0.45 0.00	42.13 -0.15 0.00	40.56 -0.42 0.00	54.59 -0.47 0.00	51.99 -0.66 0.00	50.26 -0.73 -7.81	37.37 -0.86 -1.23	41.31 -0.91 -6.12	3.28 -0.67 32.77	-21.67 -0.69 52.67	-21.63 -0.94 57.62	-21.68 -0.89 53.74	-21.63 -1.07 56.51	-21.57 -0.93 54.17	-21.55 -0.98 57.49	-21.61 -0.65 90.63	-21.55 -0.26 96.23	-21.73 -0.53 109.49	-21.52 -0.50 80.41	-18.40 -0.12 68.73	14.61 -0.24 25.91	38.51 -0.13 0.40
NEG NORTH___PLATTSBURG 23628	47.06 0.71 0.00	43.77 0.82 0.00	38.39 0.45 0.00	42.13 -0.15 0.00	40.56 -0.43 0.00	54.59 -0.47 0.00	52.00 -0.66 0.00	50.26 -0.73 -7.81	37.37 -0.86 -1.23	41.29 -0.92 -6.12	3.27 -0.67 32.77	-21.67 -0.70 52.67	-21.64 -0.95 57.62	-21.69 -0.90 53.74	-21.64 -1.08 56.51	-21.57 -0.93 54.17	-21.57 -1.00 57.49	-21.62 -0.65 90.63	-21.59 -0.30 96.23	-21.74 -0.54 109.49	-21.53 -0.50 80.41	-18.40 -0.12 68.73	14.60 -0.24 25.91	38.51 -0.13 0.40
NEG WEST_LEA_LOCKPORT 23791	42.34 -4.01 0.00	38.82 -3.72 0.40	27.16 -3.61 7.16	33.93 -3.82 4.52	36.72 -3.93 0.34	42.14 -4.78 8.15	36.54 -4.68 11.43	30.10 -3.76 9.32	25.41 -3.39 8.20	25.64 -3.15 7.31	26.07 -3.44 7.20	22.55 -2.58 6.56	26.30 -3.40 7.23	22.68 -3.23 7.04	24.91 -3.59 7.45	23.62 -3.08 6.82	25.98 -3.44 7.50	50.30 -5.95 13.41	54.66 -6.11 14.17	64.61 -7.68 16.00	47.40 -5.13 6.86	43.51 -4.95 1.99	37.08 -3.67 0.00	35.83 -3.22 0.00
NEG WEST___LANCASTER 23811	44.36 -1.99 0.00	40.80 -1.96 0.18	32.40 -2.24 3.30	38.03 -2.16 2.08	38.56 -2.27 0.16	48.67 -2.64 3.75	44.75 -2.64 5.27	36.69 -2.19 4.30	31.31 -1.91 3.78	31.08 -1.65 3.37	31.46 -1.94 3.32	27.26 -1.41 3.02	31.82 -1.78 3.33	27.99 -1.72 3.24	30.56 -1.96 3.43	28.74 -1.64 3.15	31.57 -1.89 3.46	60.37 -3.11 6.18	65.28 -3.12 6.53	76.74 -4.18 7.37	53.60 -2.63 3.16	46.71 -2.82 0.92	38.74 -2.01 0.00	37.38 -1.66 0.00
NEG_PENN_ALLEGHNY 23528	45.79 -0.56 0.00	42.31 -0.64 0.00	37.25 -0.69 0.00	41.65 -0.63 0.00	40.31 -0.68 0.00	54.24 -0.82 0.00	51.94 -0.72 0.00	42.58 -0.59 0.00	36.54 -0.46 0.00	35.72 -0.37 0.00	36.13 -0.59 0.00	31.24 -0.45 0.00	36.45 -0.48 0.00	32.49 -0.46 0.00	35.38 -0.57 0.00	32.96 -0.57 0.00	36.32 -0.59 0.00	68.89 -0.77 0.00	74.26 -0.68 0.00	87.39 -0.90 0.00	58.81 -0.57 0.00	49.69 -0.75 0.00	40.10 -0.65 0.00	38.44 -0.60 0.00
NEG___GEN_MONROE 24207	44.35 -2.00 0.00	40.99 -1.89 0.07	34.88 -1.84 1.22	39.62 -1.89 0.77	38.93 -2.00 0.06	51.45 -2.24 1.38	48.58 -2.14 1.94	39.92 -1.68 1.58	34.02 -1.59 1.39	33.34 -1.52 1.24	33.66 -1.84 1.22	29.06 -1.51 1.11	33.78 -1.93 1.23	29.89 -1.86 1.19	32.63 -2.05 1.26	30.63 -1.74 1.16	33.82 -1.82 1.27	64.72 -2.66 2.27	70.03 -2.50 2.40	82.30 -3.28 2.71	55.97 -2.26 1.17	47.67 -2.44 0.34	38.87 -1.88 0.00	37.41 -1.63 0.00

NEPA__ENERGY 23901	43.87 -2.49 0.00	40.25 -2.51 0.19	31.74 -2.73 3.47	37.47 -2.62 2.19	38.06 -2.76 0.17	48.12 -3.00 3.95	44.20 -2.92 5.54	36.09 -2.57 4.52	30.93 -2.10 3.97	30.85 -1.70 3.54	31.17 -2.05 3.49	26.92 -1.59 3.18	31.53 -1.90 3.50	27.69 -1.85 3.41	30.16 -2.18 3.61	28.28 -1.94 3.31	30.97 -2.31 3.63	59.41 -3.74 6.50	64.34 -3.73 6.87	75.81 -4.72 7.76	53.16 -2.90 3.32	46.27 -3.22 0.96	38.14 -2.61 0.00	36.67 -2.37 0.00
NEVERSink__HYD 23608	48.33 1.97 0.00	44.69 1.75 0.00	39.50 1.56 0.00	44.05 1.78 0.00	42.76 1.77 0.00	57.48 2.42 0.00	55.08 2.42 0.00	45.22 2.04 0.00	38.80 1.79 0.00	37.87 1.78 0.00	38.48 1.76 0.00	33.06 1.37 0.00	38.54 1.61 0.00	34.44 1.49 0.00	37.65 1.70 0.00	35.21 1.68 0.00	38.96 2.04 0.00	73.44 3.78 0.00	79.14 4.20 0.00	93.21 4.92 0.00	62.74 3.35 0.00	53.27 2.82 0.00	42.93 2.18 0.00	41.05 2.00 0.00
NEWKRMKL_115KV_TB1 55635	47.97 1.62 0.00	44.45 1.50 0.00	39.32 1.38 0.00	43.79 1.51 0.00	42.55 1.56 0.00	57.15 2.08 0.00	54.66 2.00 0.00	44.81 1.63 0.00	38.51 1.51 0.00	37.54 1.44 0.00	38.22 1.50 0.00	33.01 1.33 0.00	38.47 1.54 0.00	34.37 1.42 0.00	37.56 1.61 0.00	35.08 1.56 0.00	38.72 1.81 0.00	72.67 3.01 0.00	77.90 2.96 0.00	91.96 3.67 0.00	61.87 2.48 0.00	52.57 2.12 0.00	42.45 1.70 0.00	40.63 1.59 0.00
NEWTON__FALLS_HYD 23847	46.01 -0.34 0.00	42.60 -0.34 0.00	37.65 -0.29 0.00	41.97 -0.31 0.00	40.89 -0.10 0.00	54.54 -0.53 0.00	51.80 -0.86 0.00	45.25 -0.81 -2.88	39.35 -1.18 -3.53	41.13 -1.48 -6.50	49.91 -1.60 -14.79	51.61 -1.46 -21.38	58.56 -1.75 -23.39	53.22 -1.55 -21.81	57.05 -1.71 -22.81	53.95 -1.57 -21.99	58.71 -1.54 -23.33	105.02 -1.43 -36.79	113.31 -0.69 -39.06	131.85 -0.89 -44.44	91.48 -0.55 -32.64	78.05 -0.29 -27.90	50.95 -0.32 -10.51	38.87 -0.33 -0.16
NGRID_A1_DSASP 323792	41.71 -4.64 0.00	38.34 -4.29 0.31	28.34 -3.98 5.61	34.49 -4.25 3.54	36.30 -4.42 0.27	43.33 -5.35 6.38	38.48 -5.22 8.96	31.66 -4.22 7.30	26.82 -3.76 6.42	26.98 -3.39 5.73	27.41 -3.66 5.64	23.63 -2.92 5.14	27.64 -3.63 5.66	24.06 -3.38 5.51	26.38 -3.74 5.84	24.95 -3.23 5.34	27.43 -3.61 5.87	52.52 -6.63 10.50	56.81 -7.03 11.10	66.98 -8.78 12.53	48.03 -5.99 5.37	43.21 -5.67 1.56	36.45 -4.30 0.00	35.30 -3.74 0.00
NGRID_A2_DSASP 323793	41.71 -4.64 0.00	38.34 -4.29 0.31	28.34 -3.98 5.61	34.49 -4.25 3.54	36.30 -4.42 0.27	43.33 -5.35 6.38	38.48 -5.22 8.96	31.66 -4.22 7.30	26.82 -3.76 6.42	26.98 -3.39 5.73	27.41 -3.66 5.64	23.63 -2.92 5.14	27.64 -3.63 5.66	24.06 -3.38 5.51	26.38 -3.74 5.84	24.95 -3.23 5.34	27.43 -3.61 5.87	52.52 -6.63 10.50	56.81 -7.03 11.10	66.98 -8.78 12.53	48.03 -5.99 5.37	43.21 -5.67 1.56	36.45 -4.30 0.00	35.30 -3.74 0.00
NGRID_A4_DSASP 323807	41.71 -4.64 0.00	38.34 -4.29 0.31	28.34 -3.98 5.61	34.49 -4.25 3.54	36.30 -4.42 0.27	43.33 -5.35 6.38	38.48 -5.22 8.96	31.66 -4.22 7.30	26.82 -3.76 6.42	26.98 -3.39 5.73	27.41 -3.66 5.64	23.63 -2.92 5.14	27.64 -3.63 5.66	24.06 -3.38 5.51	26.38 -3.74 5.84	24.95 -3.23 5.34	27.43 -3.61 5.87	52.52 -6.63 10.50	56.81 -7.03 11.10	66.98 -8.78 12.53	48.03 -5.99 5.37	43.21 -5.67 1.56	36.45 -4.30 0.00	35.30 -3.74 0.00
NIAGARA_115E_LBMP 323715	41.73 -4.62 0.00	38.33 -4.30 0.31	28.25 -4.10 5.59	34.43 -4.32 3.53	36.30 -4.42 0.27	43.24 -5.47 6.36	38.37 -5.36 8.92	31.56 -4.34 7.28	26.73 -3.87 6.40	26.86 -3.53 5.71	27.26 -3.84 5.62	23.55 -3.02 5.12	27.48 -3.81 5.64	23.91 -3.55 5.49	26.21 -3.93 5.82	24.79 -3.41 5.33	27.28 -3.78 5.85	52.31 -6.88 10.47	56.69 -7.19 11.06	66.85 -8.95 12.49	48.00 -6.04 5.35	43.18 -5.72 1.55	36.56 -4.19 0.00	35.32 -3.72 0.00
NIAGARA_115W_LBMP 323714	41.63 -4.72 0.00	38.26 -4.37 0.31	28.24 -4.06 5.64	34.40 -4.32 3.56	36.23 -4.49 0.27	43.20 -5.46 6.41	38.33 -5.33 9.00	31.55 -4.30 7.34	26.72 -3.82 6.45	26.89 -3.45 5.75	27.31 -3.74 5.67	23.54 -2.98 5.16	27.54 -3.70 5.69	23.97 -3.45 5.54	26.29 -3.80 5.86	24.87 -3.29 5.37	27.33 -3.68 5.90	52.35 -6.76 10.55	56.61 -7.18 11.15	66.77 -8.93 12.59	47.89 -6.10 5.40	43.11 -5.77 1.57	36.38 -4.37 0.00	35.24 -3.81 0.00
NIAGARA_230_LBMP 323716	42.16 -4.19 0.00	38.74 -3.88 0.33	28.42 -3.65 5.87	34.73 -3.85 3.70	36.67 -4.04 0.28	43.54 -4.85 6.67	38.55 -4.75 9.36	31.70 -3.84 7.63	26.87 -3.42 6.71	27.04 -3.07 5.99	27.47 -3.35 5.90	23.66 -2.66 5.37	27.71 -3.30 5.91	24.11 -3.08 5.76	26.43 -3.42 6.10	25.00 -2.94 5.59	27.48 -3.30 6.14	52.67 -6.01 10.98	56.99 -6.34 11.60	67.25 -7.94 13.10	48.35 -5.42 5.61	43.62 -5.20 1.63	36.84 -3.91 0.00	35.67 -3.38 0.00
NIAGARA__115KV_198_GIBSON 55903	41.62 -4.73 0.00	38.28 -4.35 0.31	28.22 -4.08 5.64	34.36 -4.36 3.56	36.22 -4.50 0.27	43.16 -5.50 6.41	38.28 -5.37 9.00	31.50 -4.34 7.34	26.67 -3.88 6.45	26.78 -3.56 5.75	27.26 -3.79 5.67	23.51 -3.02 5.16	27.49 -3.75 5.69	23.92 -3.49 5.54	26.22 -3.86 5.86	24.83 -3.33 5.37	27.25 -3.76 5.90	52.27 -6.84 10.55	56.56 -7.22 11.15	66.64 -9.05 12.59	47.92 -6.07 5.40	43.14 -5.74 1.57	36.38 -4.37 0.00	35.24 -3.80 0.00
NIAGARA____ 23760	42.16 -4.19 0.00	38.75 -3.88 0.32	28.63 -3.65 5.66	34.85 -3.85 3.58	36.68 -4.04 0.27	43.75 -4.85 6.46	38.78 -4.75 9.13	31.88 -3.84 7.46	27.02 -3.42 6.56	27.18 -3.07 5.85	27.61 -3.35 5.77	23.79 -2.66 5.25	27.85 -3.30 5.78	24.24 -3.08 5.63	26.57 -3.42 5.96	25.13 -2.94 5.46	27.61 -3.30 6.00	52.89 -6.01 10.76	57.23 -6.34 11.37	67.50 -7.94 12.84	48.46 -5.42 5.51	43.65 -5.20 1.59	36.84 -3.91 0.00	35.67 -3.38 0.00
NINE_MILE_1 23575	44.53 -1.82 0.00	41.23 -1.71 0.00	36.44 -1.50 0.00	40.69 -1.59 0.00	39.41 -1.58 0.00	53.00 -2.07 0.00	50.67 -1.98 0.00	41.56 -1.62 0.00	35.61 -1.39 0.00	34.80 -1.29 0.00	35.32 -1.39 0.00	30.49 -1.20 0.00	35.53 -1.40 0.00	31.69 -1.26 0.00	34.52 -1.43 0.00	32.13 -1.40 0.00	35.30 -1.61 0.00	66.64 -3.01 0.00	71.77 -3.16 0.00	84.52 -3.78 0.00	56.84 -2.55 0.00	48.13 -2.31 0.00	38.88 -1.87 0.00	37.27 -1.77 0.00
NINE_MILE_2 23744	44.53 -1.82 0.00	41.23 -1.71 0.00	36.45 -1.49 0.00	40.69 -1.59 0.00	39.41 -1.58 0.00	53.01 -2.06 0.00	50.68 -1.98 0.00	41.56 -1.62 0.00	35.61 -1.39 0.00	34.81 -1.29 0.00	35.33 -1.39 0.00	30.49 -1.20 0.00	35.53 -1.40 0.00	31.69 -1.26 0.00	34.53 -1.42 0.00	32.13 -1.39 0.00	35.30 -1.61 0.00	66.64 -3.01 0.00	71.77 -3.16 0.00	84.52 -3.78 0.00	56.84 -2.55 0.00	48.13 -2.31 0.00	38.88 -1.87 0.00	37.27 -1.77 0.00
NM_CAPITAL__DRP 24208	47.89 1.54 0.00	44.38 1.43 0.00	39.27 1.32 0.00	43.72 1.44 0.00	42.49 1.50 0.00	57.05 1.99 0.00	54.55 1.89 0.00	44.72 1.55 0.00	38.49 1.49 0.00	37.52 1.43 0.00	38.24 1.52 0.00	33.01 1.33 0.00	38.46 1.53 0.00	34.37 1.42 0.00	37.57 1.62 0.00	35.10 1.58 0.00	38.71 1.80 0.00	72.47 2.82 0.00	77.67 2.74 0.00	91.73 3.45 0.00	61.71 2.32 0.00	52.45 2.01 0.00	42.37 1.63 0.00	40.58 1.54 0.00

NM_CENTRAL___DRP 24181	45.22 -1.14 0.00	41.83 -1.11 0.00	36.95 -0.98 0.00	41.28 -0.99 0.00	39.99 -1.00 0.00	53.83 -1.24 0.00	51.53 -1.13 0.00	42.27 -0.91 0.00	36.21 -0.80 0.00	35.36 -0.74 0.00	35.85 -0.86 0.00	30.94 -0.75 0.00	36.07 -0.86 0.00	32.15 -0.80 0.00	35.03 -0.92 0.00	32.62 -0.90 0.00	35.90 -1.01 0.00	67.94 -1.72 0.00	73.24 -1.70 0.00	86.17 -2.12 0.00	57.95 -1.44 0.00	49.01 -1.44 0.00	39.56 -1.19 0.00	37.91 -1.13 0.00
NM_FRONTIER___DRP 24179	41.62 -4.73 0.00	38.28 -4.35 0.31	28.22 -4.08 5.64	34.36 -4.36 3.56	36.22 -4.50 0.27	43.16 -5.50 6.41	38.28 -5.37 9.00	31.50 -4.34 7.34	26.67 -3.88 6.45	26.78 -3.56 5.75	27.26 -3.79 5.67	23.51 -3.02 5.16	27.49 -3.75 5.69	23.92 -3.49 5.54	26.22 -3.86 5.86	24.83 -3.33 5.37	27.25 -3.76 5.90	52.27 -6.84 10.55	56.56 -7.22 11.15	66.64 -9.05 12.59	47.92 -6.07 5.40	43.14 -5.74 1.57	36.38 -4.37 0.00	35.24 -3.80 0.00
NM_ST_REGIS___HYD 24053	47.07 0.72 0.00	43.65 0.70 0.00	38.46 0.52 0.00	42.69 0.41 0.00	41.41 0.42 0.00	55.26 0.20 0.00	52.59 -0.07 0.00	50.22 -0.16 -7.20	45.05 -0.48 -8.54	51.30 -0.65 -15.86	70.43 -0.66 -34.37	80.58 -0.59 -49.49	90.33 -0.74 -54.14	82.80 -0.65 -50.50	88.06 -0.75 -52.86	83.76 -0.67 -50.90	90.17 -0.76 -54.02	154.53 -0.28 -85.16	165.69 0.33 -90.42	191.42 0.25 -102.89	135.26 0.31 -75.56	115.67 0.64 -64.58	65.60 0.51 -24.35	39.93 0.51 -0.38
NORTHPORT___1 23551	48.19 1.84 0.00	44.45 1.51 0.00	39.34 1.40 0.00	43.82 1.55 0.00	42.78 1.79 0.00	57.79 2.72 0.00	55.22 2.56 0.00	45.47 2.29 0.00	38.87 1.87 0.00	37.71 1.62 0.00	38.77 2.05 0.00	33.05 1.36 0.00	38.41 1.48 0.00	34.35 1.40 0.00	37.62 1.67 0.00	35.31 1.79 0.00	39.14 2.22 0.00	73.03 3.37 0.00	78.34 3.40 0.00	92.31 4.02 0.00	62.21 2.82 0.00	53.15 2.71 0.00	42.79 2.04 0.00	41.02 1.98 0.00
NORTHPORT___2 23552	48.19 1.84 0.00	44.45 1.51 0.00	39.34 1.40 0.00	43.82 1.55 0.00	42.78 1.79 0.00	57.79 2.72 0.00	55.22 2.56 0.00	45.47 2.29 0.00	38.87 1.87 0.00	37.71 1.62 0.00	38.77 2.05 0.00	33.05 1.36 0.00	38.41 1.48 0.00	34.35 1.40 0.00	37.62 1.67 0.00	35.31 1.79 0.00	39.14 2.22 0.00	73.03 3.37 0.00	78.34 3.40 0.00	92.31 4.02 0.00	62.21 2.82 0.00	53.15 2.71 0.00	42.79 2.04 0.00	41.02 1.98 0.00
NORTHPORT___3 23553	48.12 1.77 0.00	44.39 1.44 0.00	39.28 1.34 0.00	43.74 1.46 0.00	42.67 1.68 0.00	57.61 2.54 0.00	55.04 2.38 0.00	45.30 2.12 0.00	38.77 1.77 0.00	37.64 1.55 0.00	38.71 1.99 0.00	33.04 1.35 0.00	38.41 1.48 0.00	34.33 1.38 0.00	37.60 1.65 0.00	35.28 1.76 0.00	39.08 2.16 0.00	72.77 3.11 0.00	77.99 3.06 0.00	91.97 3.69 0.00	62.10 2.71 0.00	53.06 2.62 0.00	42.76 2.02 0.00	40.96 1.92 0.00
NORTHPORT___4 23650	48.12 1.77 0.00	44.39 1.44 0.00	39.28 1.34 0.00	43.74 1.46 0.00	42.67 1.68 0.00	57.61 2.54 0.00	55.04 2.38 0.00	45.30 2.12 0.00	38.77 1.77 0.00	37.64 1.55 0.00	38.71 1.99 0.00	33.04 1.35 0.00	38.41 1.48 0.00	34.33 1.38 0.00	37.60 1.65 0.00	35.28 1.76 0.00	39.08 2.16 0.00	72.77 3.11 0.00	77.99 3.06 0.00	91.97 3.69 0.00	62.10 2.71 0.00	53.06 2.62 0.00	42.76 2.02 0.00	40.96 1.92 0.00
NORTHPORT___IC 23718	48.19 1.84 0.00	44.45 1.50 0.00	39.35 1.41 0.00	43.83 1.56 0.00	42.78 1.79 0.00	57.79 2.73 0.00	55.23 2.57 0.00	45.47 2.29 0.00	38.89 1.89 0.00	37.74 1.64 0.00	38.77 2.05 0.00	33.06 1.37 0.00	38.41 1.48 0.00	34.35 1.40 0.00	37.63 1.68 0.00	35.32 1.80 0.00	39.14 2.22 0.00	73.03 3.38 0.00	78.34 3.40 0.00	92.34 4.05 0.00	62.23 2.84 0.00	53.15 2.70 0.00	42.79 2.04 0.00	41.02 1.98 0.00
NORTH___COUNTRY_ESR 323785	46.43 0.08 0.00	43.12 0.17 0.00	37.92 -0.02 0.00	41.84 -0.43 0.00	40.39 -0.60 0.00	54.28 -0.78 0.00	51.77 -0.89 0.00	35.92 -0.81 6.44	27.25 -0.86 8.89	19.26 -0.92 15.92	-5.80 -0.86 41.65	-29.89 -0.76 60.82	-30.54 -0.93 66.54	-29.99 -0.87 62.07	-30.28 -1.00 65.23	-29.91 -0.89 62.55	-30.48 -1.01 66.38	-36.20 -1.20 104.65	-37.16 -0.97 111.12	-39.44 -1.28 126.44	-34.31 -0.84 92.86	-29.42 -0.49 79.37	10.44 -0.39 29.92	38.27 -0.31 0.47
NPX_GEN_1385_PROXY 323591	48.09 1.74 0.00	44.45 1.51 0.00	39.34 1.40 0.00	43.82 1.55 0.00	42.78 1.79 0.00	57.59 2.52 0.00	54.92 2.27 0.00	45.39 2.22 0.00	39.13 2.13 0.00	37.73 1.64 0.00	38.63 1.91 0.00	32.94 1.25 0.00	38.27 1.35 0.00	34.23 1.28 0.00	37.49 1.54 0.00	35.19 1.66 0.00	38.76 1.84 0.00	72.73 3.07 0.00	77.79 2.86 0.00	91.67 3.38 0.00	61.47 2.08 0.00	52.52 2.07 0.00	42.19 1.44 0.00	40.89 1.85 0.00
NPX_GEN_CSC 323557	47.90 1.55 0.00	44.07 1.12 0.00	39.00 1.06 0.00	43.50 1.22 0.00	42.81 1.82 0.00	58.59 3.53 0.00	55.97 3.31 0.00	46.01 2.83 0.00	38.66 1.66 0.00	37.22 1.12 0.00	38.21 1.49 0.00	32.49 0.80 0.00	37.69 0.76 0.00	33.71 0.76 0.00	36.96 1.01 0.00	34.82 1.29 0.00	38.96 2.05 0.00	72.54 2.89 0.00	78.09 3.15 0.00	92.04 3.75 0.00	62.01 2.62 0.00	53.21 2.77 0.00	42.56 1.81 0.00	40.69 1.65 0.00
NSINS_S__GLNS_FALLS 23858	49.92 3.57 0.00	46.32 3.37 0.00	40.89 2.95 0.00	45.50 3.23 0.00	44.26 3.27 0.00	59.68 4.61 0.00	57.15 4.49 0.00	46.74 3.56 0.00	40.00 3.00 0.00	38.70 2.60 0.00	39.12 2.40 0.00	33.80 2.12 0.00	39.40 2.47 0.00	35.13 2.18 0.00	38.51 2.55 0.00	36.13 2.60 0.00	39.91 2.99 0.00	75.45 5.79 0.00	81.18 6.25 0.00	95.83 7.54 0.00	64.37 4.98 0.00	54.45 4.00 0.00	43.85 3.10 0.00	42.07 3.03 0.00
NUCOR_STEEL___DRP 24197	45.90 -0.45 0.00	42.43 -0.52 0.00	37.34 -0.60 0.00	41.84 -0.43 0.00	40.51 -0.47 0.00	54.60 -0.47 0.00	52.29 -0.37 0.00	42.91 -0.27 0.00	36.71 -0.29 0.00	35.67 -0.43 0.00	36.05 -0.67 0.00	31.05 -0.64 0.00	36.28 -0.65 0.00	32.27 -0.68 0.00	35.21 -0.74 0.00	32.83 -0.69 0.00	36.06 -0.85 0.00	68.86 -0.80 0.00	74.09 -0.85 0.00	87.57 -0.72 0.00	58.91 -0.48 0.00	49.57 -0.87 0.00	40.09 -0.66 0.00	38.47 -0.57 0.00
NUMBER_THREE_WT_PWR 323818	45.48 -0.87 0.00	42.09 -0.85 0.00	37.28 -0.66 0.00	41.67 -0.61 0.00	40.72 -0.27 0.00	54.34 -0.72 0.00	51.55 -1.11 0.00	43.32 -0.99 -1.13	37.12 -1.27 -1.39	37.00 -1.66 -2.56	40.66 -1.89 -5.83	38.33 -1.78 -8.42	44.02 -2.12 -9.21	39.63 -1.92 -8.60	42.87 -2.07 -8.99	40.30 -1.89 -8.66	44.40 -1.71 -9.19	82.45 -1.70 -14.49	89.36 -0.96 -15.39	104.68 -1.12 -17.51	71.36 -0.88 -12.86	60.65 -0.78 -10.99	44.10 -0.79 -4.14	38.28 -0.82 -0.06
NYISO_LBMP_REFERENCE 24008	46.35 0.00 0.00	42.95 0.00 0.00	37.94 0.00 0.00	42.28 0.00 0.00	40.99 0.00 0.00	55.07 0.00 0.00	52.66 0.00 0.00	43.18 0.00 0.00	37.00 0.00 0.00	36.10 0.00 0.00	36.72 0.00 0.00	31.69 0.00 0.00	36.93 0.00 0.00	32.95 0.00 0.00	35.95 0.00 0.00	33.53 0.00 0.00	36.92 0.00 0.00	69.65 0.00 0.00	74.94 0.00 0.00	88.29 0.00 0.00	59.39 0.00 0.00	50.44 0.00 0.00	40.75 0.00 0.00	39.04 0.00 0.00

NYPA_BRENTWD____GT 24164	48.62	44.82	39.65	44.16	43.14	58.35	55.80	45.95	39.21	37.97	39.06	33.26	38.62	34.52	37.84	35.56	39.50	73.90	79.36	93.55	63.03	53.82	43.27	41.43
	2.27	1.87	1.71	1.89	2.15	3.28	3.14	2.77	2.21	1.87	2.35	1.57	1.69	1.57	1.89	2.04	2.58	4.24	4.43	5.26	3.64	3.37	2.52	2.39
	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	
NYPA_GOWANUS____GT5 24156	61.59	61.05	59.98	59.95	59.96	60.96	60.23	61.49	60.96	60.56	61.41	60.27	60.04	58.90	58.97	59.80	60.16	77.73	86.79	107.55	73.32	61.77	61.46	60.67
	1.75	1.54	1.51	1.63	1.66	2.08	2.17	2.00	1.92	2.12	2.47	1.99	2.24	2.08	2.31	2.23	2.41	3.56	3.81	4.56	3.33	2.91	2.33	2.14
	-13.48	-16.55	-20.53	-16.05	-17.32	-3.81	-5.40	-16.31	-22.03	-22.35	-22.23	-26.60	-20.88	-23.87	-20.72	-24.05	-20.84	-4.51	-8.05	-14.70	-10.61	-8.43	-18.39	-19.49
NYPA_GOWANUS____GT6 24157	61.59	61.05	59.98	59.95	59.96	60.96	60.23	61.49	60.96	60.56	61.41	60.27	60.04	58.90	58.97	59.80	60.16	77.73	86.79	107.55	73.32	61.77	61.46	60.67
	1.75	1.54	1.51	1.63	1.66	2.08	2.17	2.00	1.92	2.12	2.47	1.99	2.24	2.08	2.31	2.23	2.41	3.56	3.81	4.56	3.33	2.91	2.33	2.14
	-13.48	-16.55	-20.53	-16.05	-17.32	-3.81	-5.40	-16.31	-22.03	-22.35	-22.23	-26.60	-20.88	-23.87	-20.72	-24.05	-20.84	-4.51	-8.05	-14.70	-10.61	-8.43	-18.39	-19.49
NYPA_HARLEM__RVR__GT1 24160	47.68	44.11	39.16	43.49	42.26	56.61	54.33	44.81	38.58	37.94	38.80	33.30	38.79	34.69	37.90	35.40	38.88	72.48	77.97	92.11	62.12	52.83	42.64	40.73
	1.33	1.17	1.22	1.21	1.27	1.55	1.67	1.63	1.58	1.84	2.09	1.61	1.87	1.74	1.95	1.87	1.96	2.82	3.03	3.82	2.73	2.38	1.89	1.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NYPA_HARLEM__RVR__GT2 24161	47.68	44.11	39.16	43.49	42.26	56.61	54.33	44.81	38.58	37.94	38.80	33.30	38.79	34.69	37.90	35.40	38.88	72.48	77.97	92.11	62.12	52.83	42.64	40.73
	1.33	1.17	1.22	1.21	1.27	1.55	1.67	1.63	1.58	1.84	2.09	1.61	1.87	1.74	1.95	1.87	1.96	2.82	3.03	3.82	2.73	2.38	1.89	1.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NYPA_KENT____GT 24152	56.09	54.33	51.72	53.45	52.97	59.31	57.95	54.90	52.11	51.59	52.46	49.59	51.65	49.33	50.64	50.15	51.76	75.78	83.41	101.51	68.94	58.26	54.01	52.77
	1.63	1.42	1.43	1.52	1.56	1.96	2.05	1.90	1.85	2.04	2.37	1.89	2.16	2.01	2.22	2.15	2.30	3.41	3.64	4.37	3.16	2.75	2.20	2.00
	-8.11	-9.96	-12.36	-9.66	-10.42	-2.29	-3.25	-9.82	-13.26	-13.45	-13.38	-16.01	-12.56	-14.36	-12.47	-14.47	-12.54	-2.72	-4.84	-8.85	-6.38	-5.07	-11.06	-11.73
NYPA_POUCH1____GT 24155	61.56	61.03	59.97	59.95	59.95	60.93	60.21	61.43	60.85	60.46	61.33	60.22	59.93	58.80	58.87	59.71	60.09	77.47	86.53	107.22	73.19	61.68	61.41	60.62
	1.72	1.53	1.50	1.62	1.65	2.05	2.15	1.94	1.81	2.01	2.39	1.93	2.12	1.99	2.21	2.13	2.33	3.31	3.55	4.22	3.19	2.82	2.27	2.08
	-13.48	-16.55	-20.53	-16.05	-17.32	-3.81	-5.40	-16.31	-22.03	-22.35	-22.23	-26.60	-20.88	-23.87	-20.72	-24.05	-20.84	-4.51	-8.04	-14.70	-10.61	-8.43	-18.39	-19.49
NYPA_VERNON____GT2 24162	50.61	47.63	43.46	46.95	45.98	57.67	55.67	48.30	43.27	42.63	43.52	38.90	43.26	39.74	42.32	40.48	43.35	73.81	80.04	95.47	64.53	54.75	46.55	44.88
	1.51	1.31	1.34	1.41	1.46	1.83	1.91	1.80	1.78	1.98	2.28	1.79	2.08	1.92	2.15	2.06	2.19	3.24	3.47	4.19	2.98	2.59	2.06	1.87
	-2.75	-3.37	-4.18	-3.27	-3.53	-0.78	-1.10	-3.32	-4.49	-4.55	-4.52	-5.42	-4.25	-4.86	-4.22	-4.90	-4.24	-0.92	-1.64	-2.99	-2.16	-1.72	-3.74	-3.97
NYPA_VERNON____GT3 24163	50.61	47.63	43.46	46.95	45.98	57.67	55.67	48.30	43.27	42.63	43.52	38.90	43.26	39.74	42.32	40.48	43.35	73.81	80.04	95.47	64.53	54.75	46.55	44.88
	1.51	1.31	1.34	1.41	1.46	1.83	1.91	1.80	1.78	1.98	2.28	1.79	2.08	1.92	2.15	2.06	2.19	3.24	3.47	4.19	2.98	2.59	2.06	1.87
	-2.75	-3.37	-4.18	-3.27	-3.53	-0.78	-1.10	-3.32	-4.49	-4.55	-4.52	-5.42	-4.25	-4.86	-4.22	-4.90	-4.24	-0.92	-1.64	-2.99	-2.16	-1.72	-3.74	-3.97
NYPA__ASTORIA_CC1 323568	47.77	44.19	39.24	43.61	42.38	56.80	54.49	44.91	38.74	38.04	38.96	33.44	38.97	34.84	38.06	35.55	39.06	72.78	78.27	92.34	62.27	52.94	42.75	40.87
	1.42	1.24	1.29	1.34	1.40	1.74	1.83	1.73	1.74	1.94	2.24	1.75	2.05	1.89	2.11	2.02	2.14	3.12	3.33	4.05	2.88	2.50	2.00	1.83
	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	
NYPA__ASTORIA_CC2 323569	47.77	44.19	39.24	43.61	42.38	56.80	54.49	44.91	38.74	38.04	38.96	33.44	38.97	34.84	38.06	35.55	39.06	72.78	78.27	92.34	62.27	52.94	42.75	40.87
	1.42	1.24	1.29	1.34	1.40	1.74	1.83	1.73	1.74	1.94	2.24	1.75	2.05	1.89	2.11	2.02	2.14	3.12	3.33	4.05	2.88	2.50	2.00	1.83
	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	
NYPA__HOLTSVILL 23794	48.23	44.43	39.33	43.82	42.88	58.16	55.56	45.74	38.92	37.64	38.67	32.93	38.23	34.19	37.47	35.23	39.18	73.16	78.65	92.70	62.46	53.39	42.90	41.04
	1.88	1.49	1.39	1.54	1.89	3.09	2.91	2.56	1.92	1.54	1.95	1.24	1.30	1.24	1.51	1.70	2.27	3.51	3.71	4.41	3.08	2.95	2.15	2.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NYPA____HELLGATE_GT1 24158	47.68	44.11	39.16	43.49	42.26	56.62	54.33	44.81	38.58	37.94	38.80	33.30	38.79	34.69	37.90	35.40	38.88	72.48	77.97	92.11	62.12	52.83	42.64	40.73
	1.33	1.17	1.22	1.21	1.27	1.55	1.67	1.63	1.58	1.84	2.09	1.61	1.87	1.74	1.95	1.87	1.96	2.82	3.03	3.82	2.73	2.38	1.89	1.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NYPA____HELLGATE_GT2 24159	47.68	44.11	39.16	43.49	42.26	56.62	54.33	44.81	38.58	37.94	38.80	33.30	38.79	34.69	37.90	35.40	38.88	72.48	77.97	92.11	62.12	52.83	42.64	40.73
	1.33	1.17	1.22	1.21	1.27	1.55	1.67	1.63	1.58	1.84	2.09	1.61	1.87	1.74	1.95	1.87	1.96	2.82	3.03	3.82	2.73	2.38	1.89	1.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
NYS_BARGE__HYD 23848	42.40	38.92	28.41	34.77	36.84	43.60	38.55	31.72	26.85	26.98	27.34	23.72	27.57	23.92	26.23	24.82	27.35	52.67	57.15	67.47	48.58	43.87	37.14	35.88
	-3.96	-3.69	-3.56	-3.73	-3.86	-4.67	-4.56	-3.67	-3.31	-3.02	-3.37	-2.50	-3.33	-3.16	-3.50	-3.01	-3.31	-5.80	-5.96	-7.47	-5.09	-4.92	-3.61	-3.17
	0.00	0.33	5.98	3.77	0.29	6.80	9.54	7.78	6.84	6.10	6.01	5.47	6.03	5.87	6.22	5.69	6.26	11.19	11.82	13.35	5.72	1.66	0.00	0.00

OAK ORCHARD___HYD 24046	44.11 -2.24 0.00	40.84 -2.11 0.00	35.95 -1.99 0.00	40.22 -2.06 0.00	38.81 -2.17 0.00	52.57 -2.49 0.00	50.30 -2.36 0.00	41.29 -1.89 0.00	35.28 -1.72 0.00	34.55 -1.55 0.00	34.89 -1.83 0.00	30.10 -1.59 0.00	35.05 -1.88 0.00	31.18 -1.77 0.00	33.97 -1.98 0.00	31.82 -1.70 0.00	35.09 -1.82 0.00	66.72 -2.94 0.00	71.99 -2.94 0.00	84.52 -3.77 0.00	56.74 -2.65 0.00	47.72 -2.72 0.00	38.64 -2.11 0.00	37.18 -1.86 0.00
OAKDALE___35_KV_LOAD 356122	45.70 -0.65 0.00	42.24 -0.71 0.00	37.18 -0.76 0.00	41.57 -0.70 0.00	40.25 -0.75 0.00	54.14 -0.92 0.00	51.82 -0.83 0.00	42.50 -0.68 0.00	36.46 -0.54 0.00	35.64 -0.45 0.00	36.09 -0.63 0.00	31.20 -0.48 0.00	36.41 -0.52 0.00	32.46 -0.49 0.00	35.35 -0.60 0.00	32.92 -0.60 0.00	36.27 -0.65 0.00	68.72 -0.94 0.00	74.06 -0.88 0.00	87.13 -1.16 0.00	58.68 -0.71 0.00	49.57 -0.87 0.00	40.03 -0.72 0.00	38.36 -0.68 0.00
OCC_CHEM___DRP 24175	41.71 -4.65 0.00	38.36 -4.27 0.31	28.31 -4.02 5.61	34.45 -4.28 3.54	36.29 -4.43 0.27	43.30 -5.39 6.38	38.42 -5.28 8.96	31.62 -4.26 7.30	26.77 -3.80 6.42	26.88 -3.49 5.73	27.35 -3.72 5.64	23.60 -2.96 5.14	27.59 -3.68 5.66	24.01 -3.43 5.51	26.32 -3.80 5.84	24.92 -3.27 5.34	27.35 -3.69 5.87	52.46 -6.70 10.50	56.76 -7.08 11.10	66.87 -8.89 12.53	48.06 -5.95 5.37	43.24 -5.65 1.56	36.46 -4.29 0.00	35.31 -3.74 0.00
OH_GEN_PROXY 24063	42.29 -4.06 0.00	38.87 -3.79 0.29	29.18 -3.57 5.20	35.24 -3.76 3.28	36.81 -3.93 0.25	44.43 -4.73 5.91	39.75 -4.60 8.29	32.69 -3.72 6.76	27.75 -3.30 5.95	27.84 -2.96 5.30	28.26 -3.23 5.23	24.37 -2.57 4.76	28.52 -3.17 5.24	24.89 -2.95 5.10	27.25 -3.29 5.41	25.74 -2.84 4.95	28.29 -3.19 5.44	54.16 -5.77 9.73	58.56 -6.10 10.28	69.03 -7.65 11.61	49.19 -5.23 4.98	43.97 -5.03 1.44	36.95 -3.80 0.00	35.75 -3.29 0.00
OLIN_CORP_DRP 24177	41.83 -4.52 0.00	38.46 -4.18 0.31	28.43 -4.03 5.47	34.57 -4.26 3.46	36.39 -4.34 0.26	43.47 -5.37 6.22	38.64 -5.28 8.74	31.79 -4.26 7.12	26.91 -3.82 6.26	26.98 -3.53 5.58	27.42 -3.79 5.50	23.71 -2.97 5.01	27.66 -3.75 5.52	24.07 -3.51 5.38	26.36 -3.90 5.69	24.97 -3.35 5.21	27.42 -3.76 5.73	52.68 -6.73 10.25	57.06 -7.05 10.83	67.26 -8.81 12.22	48.28 -5.87 5.24	43.36 -5.56 1.52	36.64 -4.11 0.00	35.41 -3.63 0.00
OLIN_CORP_DSASP 323712	41.71 -4.64 0.00	38.34 -4.29 0.31	28.34 -3.98 5.61	34.49 -4.25 3.54	36.30 -4.42 0.27	43.33 -5.35 6.38	38.48 -5.22 8.96	31.66 -4.22 7.30	26.82 -3.76 6.42	26.98 -3.39 5.73	27.41 -3.66 5.64	23.63 -2.92 5.14	27.64 -3.63 5.66	24.06 -3.38 5.51	26.38 -3.74 5.84	24.95 -3.23 5.34	27.43 -3.61 5.87	52.52 -6.63 10.50	56.81 -7.03 11.10	66.98 -8.78 12.53	48.03 -5.99 5.37	43.21 -5.67 1.56	36.45 -4.30 0.00	35.30 -3.74 0.00
ONEIDA_HERK_LFGE 323681	46.65 0.30 0.00	43.20 0.26 0.00	38.21 0.27 0.00	42.61 0.33 0.00	41.45 0.46 0.00	55.61 0.55 0.00	53.08 0.43 0.00	43.85 0.30 -0.37	37.49 0.04 -0.45	36.76 -0.17 -0.84	38.32 -0.31 -1.90	34.10 -0.34 -2.75	39.56 -0.38 -3.01	35.38 -0.38 -2.81	38.54 -0.35 -2.94	36.09 -0.27 -2.83	39.91 -0.01 -3.00	75.08 0.69 -4.73	81.05 1.08 -5.03	95.23 1.22 -5.72	64.33 0.74 -4.20	54.59 0.55 -3.59	42.44 0.33 -1.35	39.33 0.27 -0.02
ONEIDA___115KV_TB4 55905	47.01 0.66 0.00	43.52 0.57 0.00	38.43 0.49 0.00	42.91 0.63 0.00	41.65 0.66 0.00	56.07 1.00 0.00	53.71 1.06 0.00	44.02 0.85 0.00	37.54 0.54 0.00	36.50 0.41 0.00	36.94 0.22 0.00	31.81 0.11 0.00	37.15 0.22 0.00	33.08 0.13 0.00	36.14 0.19 0.00	33.78 0.25 0.00	37.44 0.52 0.00	71.14 1.49 0.00	76.69 1.75 0.00	90.23 1.94 0.00	60.61 1.22 0.00	51.35 0.90 0.00	41.38 0.63 0.00	39.60 0.56 0.00
ONONDAGA_REF_OCCRA 23987	45.56 -0.79 0.00	42.16 -0.79 0.00	37.22 -0.72 0.00	41.58 -0.70 0.00	40.27 -0.72 0.00	54.21 -0.86 0.00	51.92 -0.74 0.00	42.59 -0.59 0.00	36.47 -0.53 0.00	35.60 -0.50 0.00	36.07 -0.64 0.00	31.13 -0.56 0.00	36.29 -0.64 0.00	32.34 -0.61 0.00	35.23 -0.72 0.00	32.82 -0.71 0.00	36.13 -0.79 0.00	68.49 -1.17 0.00	73.87 -1.07 0.00	86.96 -1.33 0.00	58.45 -0.94 0.00	49.43 -1.02 0.00	39.89 -0.86 0.00	38.21 -0.83 0.00
ONONDAGA___COGEN 23986	45.53 -0.82 0.00	42.13 -0.81 0.00	37.19 -0.75 0.00	41.57 -0.72 0.00	40.25 -0.74 0.00	54.19 -0.88 0.00	51.89 -0.77 0.00	42.57 -0.60 0.00	36.44 -0.56 0.00	35.55 -0.55 0.00	36.03 -0.68 0.00	31.10 -0.59 0.00	36.26 -0.67 0.00	32.31 -0.64 0.00	35.21 -0.74 0.00	32.79 -0.74 0.00	36.09 -0.83 0.00	68.41 -1.25 0.00	73.72 -1.22 0.00	86.79 -1.50 0.00	58.36 -1.02 0.00	49.33 -1.12 0.00	39.83 -0.92 0.00	38.17 -0.87 0.00
ONTARIO___LFGE 23819	45.30 -1.05 0.00	42.09 -1.06 -0.20	40.44 -1.12 -3.61	43.42 -1.14 -2.28	39.90 -1.26 -0.17	57.67 -1.50 -4.11	57.13 -1.29 -5.77	46.96 -0.92 -4.70	40.36 -0.78 -4.14	38.99 -0.79 -3.69	39.08 -1.26 -3.63	33.88 -1.12 -3.31	39.31 -1.26 -3.65	35.22 -1.28 -3.55	38.18 -1.53 -3.76	35.58 -1.39 -3.44	39.37 -1.33 -3.78	74.82 -1.60 -6.76	80.86 -1.22 -7.15	94.84 -1.52 -8.07	61.83 -1.02 -3.46	50.20 -1.24 -1.00	39.68 -1.07 0.00	38.05 -1.00 0.00
ORANGEVILLE_WT_PWR 323706	42.15 -4.20 0.00	36.72 -3.99 2.23	-5.85 -3.88 39.91	12.74 -4.34 25.19	34.59 -4.48 1.92	4.18 -5.52 45.37	-16.17 -5.14 63.69	-12.91 -4.15 51.94	-12.21 -3.55 45.66	-8.04 -3.41 40.72	-7.27 -3.88 40.12	-8.13 -3.29 36.54	-7.26 -3.95 40.25	-9.91 -3.66 39.19	-9.65 -4.11 41.49	-8.29 -3.81 38.01	-8.90 -4.04 41.77	-11.76 -6.72 74.69	-10.68 -6.70 78.92	-8.69 -7.86 89.12	15.78 -5.40 38.21	34.42 -4.95 11.07	36.93 -3.82 0.00	35.54 -3.50 0.00
ORANGEVILLE___ESR 323794	42.15 -4.20 0.00	36.72 -3.99 2.23	-5.85 -3.88 39.91	12.74 -4.34 25.19	34.59 -4.48 1.92	4.18 -5.52 45.37	-16.17 -5.14 63.69	-12.91 -4.15 51.94	-12.21 -3.55 45.66	-8.04 -3.41 40.72	-7.27 -3.88 40.12	-8.13 -3.29 36.54	-7.26 -3.95 40.25	-9.91 -3.66 39.19	-9.65 -4.11 41.49	-8.29 -3.81 38.01	-8.90 -4.04 41.77	-11.76 -6.72 74.69	-10.68 -6.70 78.92	-8.69 -7.86 89.12	15.78 -5.40 38.21	34.42 -4.95 11.07	36.93 -3.82 0.00	35.54 -3.50 0.00
OSWEGATCHIE___HYD 24044	46.01 -0.34 0.00	42.60 -0.34 0.00	37.65 -0.29 0.00	41.97 -0.31 0.00	40.89 -0.10 0.00	54.53 -0.53 0.00	51.79 -0.86 0.00	45.24 -0.81 -2.88	39.35 -1.18 -3.53	41.12 -1.48 -6.50	49.91 -1.60 -14.79	51.60 -1.47 -21.38	58.56 -1.75 -23.39	53.21 -1.56 -21.81	57.04 -1.72 -22.81	53.95 -1.57 -21.99	58.71 -1.54 -23.33	105.01 -1.43 -36.79	113.31 -0.69 -39.06	131.85 -0.89 -44.44	91.48 -0.55 -32.64	78.06 -0.28 -27.90	50.95 -0.32 -10.51	38.87 -0.33 -0.16
OSWEGO___5 23606	44.83 -1.53 0.00	41.51 -1.44 0.00	36.67 -1.27 0.00	40.95 -1.33 0.00	39.66 -1.33 0.00	53.34 -1.72 0.00	51.02 -1.64 0.00	41.84 -1.34 0.00	35.84 -1.16 0.00	35.02 -1.08 0.00	35.53 -1.19 0.00	30.67 -1.02 0.00	35.74 -1.19 0.00	31.87 -1.07 0.00	34.73 -1.22 0.00	32.34 -1.19 0.00	35.55 -1.36 0.00	67.17 -2.48 0.00	72.35 -2.58 0.00	85.20 -3.09 0.00	57.29 -2.10 0.00	48.50 -1.94 0.00	39.18 -1.57 0.00	37.57 -1.48 0.00

OSWEGO___6 23613	44.83 -1.53 0.00	41.51 -1.44 0.00	36.67 -1.27 0.00	40.95 -1.33 0.00	39.66 -1.33 0.00	53.34 -1.72 0.00	51.02 -1.64 0.00	41.84 -1.34 0.00	35.84 -1.16 0.00	35.02 -1.08 0.00	35.53 -1.19 0.00	30.67 -1.02 0.00	35.74 -1.19 0.00	31.87 -1.07 0.00	34.73 -1.22 0.00	32.34 -1.19 0.00	35.55 -1.36 0.00	67.17 -2.48 0.00	72.35 -2.58 0.00	85.20 -3.09 0.00	57.29 -2.10 0.00	48.50 -1.94 0.00	39.18 -1.57 0.00	37.57 -1.48 0.00
OUTOKUMPU-AB___DRP 24206	42.84 -3.52 0.00	39.36 -3.29 0.30	29.38 -3.25 5.31	35.53 -3.40 3.35	37.20 -3.53 0.25	44.84 -4.19 6.04	40.06 -4.11 8.48	32.96 -3.31 6.91	27.96 -2.97 6.08	27.98 -2.69 5.42	28.41 -2.96 5.34	24.56 -2.27 4.86	28.64 -2.93 5.36	24.94 -2.79 5.22	27.33 -3.10 5.52	25.86 -2.61 5.06	28.42 -2.94 5.56	54.62 -5.10 9.94	59.20 -5.23 10.50	69.74 -6.69 11.86	49.87 -4.43 5.09	44.58 -4.39 1.47	37.48 -3.27 0.00	36.21 -2.83 0.00
OXBOW___BTM 323836	42.21 -4.14 0.00	38.79 -3.86 0.30	28.81 -3.66 5.46	34.95 -3.88 3.45	36.68 -4.05 0.26	44.01 -4.85 6.21	39.22 -4.72 8.71	32.26 -3.81 7.11	27.36 -3.39 6.25	27.47 -3.05 5.57	27.89 -3.34 5.49	24.06 -2.63 5.00	28.11 -3.31 5.51	24.48 -3.11 5.36	26.83 -3.44 5.68	25.38 -2.95 5.20	27.92 -3.28 5.71	53.52 -5.92 10.22	57.93 -6.21 10.80	68.32 -7.78 12.19	48.84 -5.32 5.23	43.82 -5.11 1.51	36.91 -3.85 0.00	35.70 -3.34 0.00
OXBOW____ 24026	42.20 -4.15 0.00	38.80 -3.84 0.30	28.78 -3.70 5.46	34.92 -3.91 3.45	36.67 -4.05 0.26	43.98 -4.88 6.21	39.16 -4.78 8.71	32.22 -3.85 7.11	27.31 -3.44 6.25	27.38 -3.15 5.57	27.82 -3.40 5.49	24.03 -2.67 5.00	28.06 -3.37 5.51	24.42 -3.16 5.36	26.77 -3.51 5.68	25.34 -2.99 5.20	27.83 -3.37 5.71	53.44 -5.99 10.22	57.89 -6.25 10.80	68.20 -7.89 12.19	48.90 -5.26 5.23	43.83 -5.09 1.51	36.91 -3.84 0.00	35.70 -3.34 0.00
OXY_CHEM_DSASP 323612	41.71 -4.65 0.00	38.36 -4.27 0.31	28.31 -4.02 5.61	34.45 -4.28 3.54	36.29 -4.43 0.27	43.30 -5.39 6.38	38.42 -5.28 8.96	31.62 -4.26 7.30	26.77 -3.80 6.42	26.88 -3.49 5.73	27.35 -3.72 5.64	23.60 -2.96 5.14	27.59 -3.68 5.66	24.01 -3.43 5.51	26.32 -3.80 5.84	24.92 -3.27 5.34	27.35 -3.69 5.87	52.46 -6.70 10.50	56.76 -7.08 11.10	66.87 -8.89 12.53	48.06 -5.95 5.37	43.24 -5.65 1.56	36.46 -4.29 0.00	35.31 -3.74 0.00
OZONE_PARK_ESR 323760	48.14 1.79 0.00	44.48 1.53 0.00	39.46 1.52 0.00	43.93 1.66 0.00	42.66 1.67 0.00	57.21 2.14 0.00	54.86 2.21 0.00	45.20 2.02 0.00	38.95 1.95 0.00	38.22 2.12 0.00	39.12 2.41 0.00	33.57 1.88 0.00	39.16 2.23 0.00	35.00 2.05 0.00	38.23 2.29 0.00	35.71 2.18 0.00	39.29 2.37 0.00	73.38 3.73 0.00	78.92 3.98 0.00	93.10 4.81 0.00	62.75 3.37 0.00	53.34 2.89 0.00	43.03 2.28 0.00	41.10 2.06 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	41.71 -4.65 0.00	38.36 -4.27 0.31	28.31 -4.02 5.61	34.45 -4.28 3.54	36.29 -4.43 0.27	43.30 -5.39 6.38	38.42 -5.28 8.96	31.62 -4.26 7.30	26.77 -3.80 6.42	26.88 -3.49 5.73	27.35 -3.72 5.64	23.60 -2.96 5.14	27.59 -3.68 5.66	24.01 -3.43 5.51	26.32 -3.80 5.84	24.92 -3.27 5.34	27.35 -3.69 5.87	52.46 -6.70 10.50	56.76 -7.08 11.10	66.87 -8.89 12.53	48.06 -5.95 5.37	43.24 -5.65 1.56	36.46 -4.29 0.00	35.31 -3.74 0.00
PACKARD__115KV_DUPONT_184 80571	41.71 -4.65 0.00	38.36 -4.27 0.31	28.31 -4.02 5.61	34.45 -4.28 3.54	36.29 -4.43 0.27	43.30 -5.39 6.38	38.42 -5.28 8.96	31.62 -4.26 7.30	26.77 -3.80 6.42	26.88 -3.49 5.73	27.35 -3.72 5.64	23.60 -2.96 5.14	27.59 -3.68 5.66	24.01 -3.43 5.51	26.32 -3.80 5.84	24.92 -3.27 5.34	27.35 -3.69 5.87	52.46 -6.70 10.50	56.76 -7.08 11.10	66.87 -8.89 12.53	48.06 -5.95 5.37	43.24 -5.65 1.56	36.46 -4.29 0.00	35.31 -3.74 0.00
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	47.71 1.36 0.00	44.13 1.18 0.00	39.22 1.28 0.00	43.62 1.34 0.00	42.34 1.35 0.00	56.79 1.72 0.00	54.49 1.83 0.00	44.91 1.73 0.00	38.69 1.69 0.00	38.00 1.90 0.00	38.84 2.13 0.00	33.33 1.65 0.00	38.84 1.91 0.00	34.73 1.77 0.00	37.93 1.98 0.00	35.41 1.89 0.00	38.90 1.99 0.00	72.62 2.96 0.00	78.12 3.18 0.00	92.26 3.97 0.00	62.17 2.78 0.00	52.86 2.41 0.00	42.67 1.92 0.00	40.76 1.72 0.00
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	47.71 1.36 0.00	44.13 1.18 0.00	39.22 1.28 0.00	43.63 1.35 0.00	42.35 1.36 0.00	56.79 1.73 0.00	54.49 1.83 0.00	44.92 1.74 0.00	38.69 1.69 0.00	38.00 1.91 0.00	38.85 2.13 0.00	33.34 1.65 0.00	38.84 1.91 0.00	34.73 1.78 0.00	37.93 1.98 0.00	35.42 1.89 0.00	38.95 2.04 0.00	72.83 3.17 0.00	78.48 3.55 0.00	92.69 4.40 0.00	62.46 3.07 0.00	53.08 2.64 0.00	42.87 2.12 0.00	40.92 1.88 0.00
PATROON__115KV_TB1 80586	48.04 1.69 0.00	44.51 1.56 0.00	39.37 1.43 0.00	43.84 1.57 0.00	42.60 1.61 0.00	57.22 2.15 0.00	54.73 2.07 0.00	44.87 1.69 0.00	38.57 1.57 0.00	37.59 1.49 0.00	38.29 1.57 0.00	33.06 1.37 0.00	38.53 1.60 0.00	34.42 1.46 0.00	37.62 1.67 0.00	35.14 1.62 0.00	38.79 1.87 0.00	72.78 3.12 0.00	78.04 3.10 0.00	92.11 3.82 0.00	61.97 2.58 0.00	52.64 2.20 0.00	42.50 1.75 0.00	40.69 1.64 0.00
PATTRSNVILLE___SOLAR 323815	47.82 1.47 0.00	44.32 1.37 0.00	39.17 1.23 0.00	43.61 1.34 0.00	42.33 1.34 0.00	56.87 1.81 0.00	54.39 1.74 0.00	44.51 1.33 0.00	37.96 0.96 0.00	36.70 0.60 0.00	37.33 0.62 0.00	32.22 0.53 0.00	37.53 0.60 0.00	33.48 0.53 0.00	36.61 0.66 0.00	34.22 0.70 0.00	37.98 1.06 0.00	72.19 2.53 0.00	77.67 2.73 0.00	91.57 3.28 0.00	61.59 2.20 0.00	52.26 1.82 0.00	42.17 1.42 0.00	40.38 1.33 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	44.16 -2.19 0.00	40.59 -2.14 0.22	31.69 -2.37 3.88	37.50 -2.33 2.45	38.36 -2.45 0.19	47.84 -2.81 4.41	43.67 -2.79 6.19	35.83 -2.30 5.05	30.53 -2.03 4.44	30.36 -1.78 3.96	30.75 -2.07 3.90	26.61 -1.53 3.56	31.06 -1.95 3.92	27.26 -1.88 3.81	29.79 -2.13 4.04	28.06 -1.77 3.70	30.84 -2.01 4.06	59.09 -3.30 7.27	63.98 -3.28 7.68	75.25 -4.37 8.67	52.88 -2.80 3.72	46.38 -2.98 1.08	38.61 -2.14 0.00	37.24 -1.80 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	48.16 1.81 0.00	44.55 1.60 0.00	39.45 1.51 0.00	43.96 1.68 0.00	42.69 1.71 0.00	57.32 2.25 0.00	54.95 2.29 0.00	45.18 2.00 0.00	38.86 1.86 0.00	38.01 1.92 0.00	38.81 2.10 0.00	33.34 1.66 0.00	38.88 1.95 0.00	34.75 1.80 0.00	37.98 2.03 0.00	35.50 1.97 0.00	39.13 2.21 0.00	73.34 3.69 0.00	78.87 3.93 0.00	93.01 4.72 0.00	62.63 3.24 0.00	53.19 2.75 0.00	42.89 2.14 0.00	41.00 1.96 0.00
PEEKSKILL____ 23653	47.66 1.31 0.00	44.10 1.15 0.00	39.05 1.11 0.00	43.51 1.23 0.00	42.28 1.28 0.00	56.73 1.66 0.00	54.36 1.71 0.00	44.71 1.53 0.00	38.45 1.45 0.00	37.66 1.56 0.00	38.51 1.79 0.00	33.06 1.37 0.00	38.56 1.63 0.00	34.47 1.52 0.00	37.66 1.71 0.00	35.18 1.66 0.00	38.76 1.84 0.00	72.53 2.87 0.00	77.97 3.04 0.00	91.90 3.61 0.00	61.93 2.55 0.00	52.48 2.04 0.00	42.19 1.44 0.00	40.36 1.32 0.00

PGE MADISON___WINDPWR 24146	48.51 2.16 0.00	44.50 1.48 -0.07	40.28 1.03 -1.31	44.64 1.54 -0.83	42.36 1.30 -0.06	57.60 1.04 -1.49	55.78 1.04 -2.09	45.58 0.70 -1.70	38.86 0.37 -1.50	37.21 -0.22 -1.33	37.61 -0.43 -1.32	32.37 -0.51 -1.20	37.65 -0.60 -1.32	33.53 -0.71 -1.29	36.43 -0.88 -1.36	34.08 -0.69 -1.24	38.06 -0.22 -1.37	73.39 1.29 -2.45	79.48 1.96 -2.59	93.53 2.32 -2.92	62.18 1.54 -1.25	51.67 0.86 -0.36	41.36 0.61 0.00	39.48 0.44 0.00
PIERCEFIELD___HYD 23852	46.98 0.62 0.00	43.55 0.60 0.00	38.40 0.46 0.00	42.70 0.42 0.00	41.46 0.47 0.00	55.21 0.15 0.00	52.52 -0.14 0.00	47.27 -0.23 -4.32	41.71 -0.59 -5.31	45.09 -0.77 -9.77	58.12 -0.80 -22.21	63.09 -0.70 -32.10	71.18 -0.87 -35.12	64.98 -0.73 -32.76	69.36 -0.84 -34.25	65.79 -0.75 -33.02	71.10 -0.86 -35.04	124.46 -0.44 -55.24	133.76 0.17 -58.65	155.07 0.04 -66.74	108.63 0.23 -49.02	92.93 0.59 -41.89	57.03 0.49 -15.79	39.78 0.49 -0.25
PINELAWN_CC_1 323563	48.43 2.08 0.00	44.65 1.70 0.00	39.51 1.57 0.00	44.01 1.73 0.00	42.93 1.94 0.00	57.97 2.91 0.00	55.45 2.80 0.00	45.66 2.48 0.00	39.04 2.04 0.00	37.81 1.72 0.00	38.92 2.21 0.00	33.21 1.52 0.00	38.54 1.61 0.00	34.43 1.48 0.00	37.71 1.76 0.00	35.42 1.89 0.00	39.30 2.38 0.00	73.51 3.85 0.00	79.07 4.13 0.00	93.20 4.91 0.00	62.84 3.45 0.00	53.59 3.15 0.00	43.12 2.37 0.00	41.24 2.20 0.00
PJM_GEN_HTP_PROXY 323702	47.68 1.32 0.00	42.96 1.12 1.11	39.09 1.15 0.00	43.54 1.26 0.00	42.30 1.31 0.00	56.24 1.65 0.47	54.36 1.70 0.00	44.78 1.60 0.00	38.58 1.58 0.00	37.84 1.74 0.00	38.74 2.02 0.00	33.24 1.55 0.00	38.78 1.85 0.00	34.65 1.70 0.00	37.86 1.91 0.00	35.35 1.83 0.00	38.89 1.98 0.00	72.37 2.95 0.23	78.04 3.10 0.00	80.25 3.75 11.79	62.05 2.66 0.00	52.75 2.31 0.00	42.56 1.81 0.00	40.69 1.65 0.00
PJM_GEN_KEystone 24065	45.42 -0.93 0.00	48.90 -0.96 -6.91	36.95 -0.99 0.00	41.37 -0.91 0.00	40.03 -0.96 0.00	53.46 -1.13 0.47	51.59 -1.07 0.00	42.33 -0.85 0.00	36.36 -0.64 0.00	35.69 -0.41 0.00	36.27 -0.44 0.00	31.33 -0.36 0.00	36.54 -0.39 0.00	32.62 -0.33 0.00	35.56 -0.39 0.00	33.18 -0.35 0.00	37.15 -0.45 -0.69	137.61 -0.95 -68.91	75.95 -1.02 -2.03	75.07 -1.43 11.79	58.52 -0.86 0.00	49.50 -0.94 0.00	40.04 -0.71 0.00	31.25 -0.63 7.17
PJM_GEN_NEPTUNE_PROXY 323594	47.97 1.62 0.00	43.16 1.32 1.11	39.19 1.25 0.00	43.65 1.37 0.00	42.53 1.54 0.00	56.83 2.23 0.47	54.83 2.17 0.00	45.13 1.95 0.00	38.66 1.66 0.00	37.63 1.54 0.00	38.65 1.94 0.00	33.03 1.35 0.00	38.45 1.52 0.00	34.37 1.42 0.00	37.62 1.67 0.00	35.26 1.73 0.00	38.99 2.08 0.00	72.58 3.16 0.23	78.19 3.26 0.00	80.43 3.93 11.79	62.18 2.79 0.00	53.02 2.58 0.00	42.70 1.95 0.00	40.85 1.81 0.00
PJM_GEN_VFT_PROXY 323633	47.36 1.01 0.00	42.67 0.83 1.11	38.83 0.89 0.00	43.27 0.99 0.00	42.03 1.04 0.00	55.84 1.25 0.47	54.00 1.35 0.00	44.50 1.32 0.00	38.37 1.36 0.00	37.64 1.54 0.00	38.52 1.80 0.00	33.05 1.37 0.00	38.56 1.64 0.00	34.48 1.52 0.00	37.66 1.71 0.00	35.14 1.62 0.00	38.54 1.71 0.09	71.76 2.46 0.36	77.51 2.58 0.00	79.58 3.08 11.79	61.63 2.24 0.00	52.40 1.96 0.00	42.30 1.55 0.00	40.43 1.39 0.00
PLATSBURG_115KV_PMLD1 355749	46.71 0.35 0.00	43.49 0.54 0.00	38.10 0.16 0.00	41.74 -0.54 0.00	40.17 -0.82 0.00	54.05 -1.01 0.00	51.43 -1.23 0.00	8.58 -1.23 33.37	9.65 -1.24 26.11	-20.12 -1.27 54.94	-6.23 -1.04 41.91	-20.39 -0.94 51.14	-20.24 -1.22 55.95	-20.35 -1.11 52.19	-20.23 -1.30 54.87	-20.22 -1.16 52.60	-20.19 -1.28 55.82	-19.57 -1.23 88.00	-19.48 -0.98 93.44	-19.40 -1.37 106.32	-19.77 -1.08 78.08	-16.84 -0.54 66.74	14.98 -0.61 25.16	38.20 -0.45 0.39
PLEASANTVLY___LBMP 24000	47.52 1.17 0.00	43.97 1.03 0.00	38.95 1.01 0.00	43.38 1.11 0.00	42.14 1.15 0.00	56.55 1.48 0.00	54.16 1.50 0.00	44.52 1.34 0.00	38.27 1.27 0.00	37.46 1.37 0.00	38.26 1.55 0.00	32.91 1.22 0.00	38.39 1.47 0.00	34.32 1.37 0.00	37.50 1.55 0.00	35.02 1.49 0.00	38.57 1.65 0.00	72.16 2.51 0.00	77.52 2.58 0.00	91.43 3.14 0.00	61.58 2.20 0.00	52.33 1.89 0.00	42.23 1.48 0.00	40.39 1.35 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	47.70 1.35 0.00	44.13 1.19 0.00	39.09 1.15 0.00	43.56 1.28 0.00	42.32 1.33 0.00	56.76 1.69 0.00	54.40 1.74 0.00	44.77 1.59 0.00	38.50 1.50 0.00	37.73 1.63 0.00	38.57 1.85 0.00	33.13 1.44 0.00	38.62 1.70 0.00	34.54 1.59 0.00	37.74 1.79 0.00	35.24 1.71 0.00	38.81 1.89 0.00	72.57 2.92 0.00	77.98 3.04 0.00	91.95 3.66 0.00	61.95 2.56 0.00	52.66 2.22 0.00	42.47 1.73 0.00	40.62 1.58 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	47.70 1.35 0.00	44.13 1.19 0.00	39.09 1.15 0.00	43.56 1.28 0.00	42.32 1.33 0.00	56.76 1.69 0.00	54.40 1.74 0.00	44.77 1.59 0.00	38.50 1.50 0.00	37.73 1.63 0.00	38.57 1.85 0.00	33.13 1.44 0.00	38.62 1.70 0.00	34.54 1.59 0.00	37.74 1.79 0.00	35.24 1.71 0.00	38.81 1.89 0.00	72.57 2.92 0.00	77.98 3.04 0.00	91.95 3.66 0.00	61.95 2.56 0.00	52.66 2.22 0.00	42.47 1.73 0.00	40.62 1.58 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	47.97 1.62 0.00	44.38 1.44 0.00	39.30 1.36 0.00	43.77 1.50 0.00	42.52 1.53 0.00	57.08 2.01 0.00	54.68 2.03 0.00	44.92 1.75 0.00	38.57 1.57 0.00	37.72 1.63 0.00	38.48 1.77 0.00	33.07 1.38 0.00	38.58 1.66 0.00	34.49 1.54 0.00	37.69 1.74 0.00	35.23 1.71 0.00	38.88 1.97 0.00	72.92 3.27 0.00	78.42 3.49 0.00	92.50 4.21 0.00	62.29 2.90 0.00	52.89 2.44 0.00	42.66 1.91 0.00	40.77 1.72 0.00
POLETTI___ 23519	47.73 1.38 0.00	44.13 1.18 0.00	39.15 1.21 0.00	43.60 1.33 0.00	42.35 1.36 0.00	56.76 1.69 0.00	54.43 1.77 0.00	44.84 1.66 0.00	38.65 1.65 0.00	37.92 1.83 0.00	38.83 2.11 0.00	33.32 1.63 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.96 2.00 0.00	35.44 1.91 0.00	38.99 2.07 0.00	72.73 3.07 0.00	78.16 3.23 0.00	92.19 3.90 0.00	62.16 2.77 0.00	52.83 2.39 0.00	42.63 1.88 0.00	40.74 1.70 0.00
POMONA___ESR 323819	47.36 1.01 0.00	43.84 0.89 0.00	38.78 0.84 0.00	43.25 0.97 0.00	41.99 1.00 0.00	56.34 1.27 0.00	53.97 1.31 0.00	44.36 1.18 0.00	38.12 1.12 0.00	37.35 1.26 0.00	38.18 1.46 0.00	32.79 1.10 0.00	38.24 1.31 0.00	34.21 1.26 0.00	37.37 1.42 0.00	34.88 1.35 0.00	38.42 1.50 0.00	71.95 2.29 0.00	77.37 2.43 0.00	91.12 2.83 0.00	61.41 2.02 0.00	52.21 1.76 0.00	42.13 1.38 0.00	40.30 1.26 0.00
PORT_JEFF_3 23555	48.38 2.02 0.00	44.56 1.61 0.00	39.43 1.49 0.00	43.94 1.66 0.00	42.99 2.00 0.00	58.33 3.27 0.00	55.75 3.10 0.00	45.90 2.72 0.00	39.03 2.04 0.00	37.73 1.63 0.00	38.78 2.06 0.00	32.99 1.30 0.00	38.31 1.38 0.00	34.25 1.31 0.00	37.55 1.60 0.00	35.32 1.79 0.00	39.32 2.41 0.00	73.44 3.78 0.00	78.97 4.03 0.00	93.09 4.79 0.00	62.71 3.32 0.00	53.60 3.16 0.00	43.05 2.30 0.00	41.18 2.13 0.00

PORT_JEFF_4 23616	48.38 2.02 0.00	44.56 1.61 0.00	39.43 1.49 0.00	43.94 1.66 0.00	42.99 2.00 0.00	58.33 3.27 0.00	55.75 3.10 0.00	45.90 2.72 0.00	39.03 2.04 0.00	37.73 1.63 0.00	38.78 2.06 0.00	32.99 1.30 0.00	38.31 1.38 0.00	34.25 1.31 0.00	37.55 1.60 0.00	35.32 1.79 0.00	39.32 2.41 0.00	73.44 3.78 0.00	78.97 4.03 0.00	93.09 4.79 0.00	62.71 3.32 0.00	53.60 3.16 0.00	43.05 2.30 0.00	41.18 2.13 0.00
PORT_JEFF_IC 23713	48.37 2.02 0.00	44.55 1.60 0.00	39.43 1.49 0.00	43.93 1.66 0.00	42.99 2.00 0.00	58.34 3.28 0.00	55.77 3.12 0.00	45.91 2.73 0.00	39.04 2.04 0.00	37.74 1.64 0.00	38.79 2.08 0.00	32.99 1.30 0.00	38.29 1.36 0.00	34.25 1.30 0.00	37.55 1.60 0.00	35.32 1.79 0.00	39.34 2.42 0.00	73.46 3.80 0.00	79.01 4.07 0.00	93.13 4.84 0.00	62.73 3.34 0.00	53.62 3.18 0.00	43.06 2.31 0.00	41.18 2.14 0.00
PPL PILGRIM_ST_GT1 24216	48.62 2.27 0.00	44.82 1.87 0.00	39.65 1.71 0.00	44.16 1.89 0.00	43.14 2.15 0.00	58.35 3.28 0.00	55.80 3.14 0.00	45.95 2.77 0.00	39.21 2.21 0.00	37.97 1.87 0.00	39.06 2.35 0.00	33.26 1.57 0.00	38.62 1.69 0.00	34.52 1.57 0.00	37.84 1.89 0.00	35.56 2.04 0.00	39.50 2.58 0.00	73.90 4.24 0.00	79.36 4.43 0.00	93.55 5.26 0.00	63.03 3.64 0.00	53.82 3.37 0.00	43.27 2.52 0.00	41.43 2.39 0.00
PPL PILGRIM_ST_GT2 24217	48.62 2.27 0.00	44.82 1.87 0.00	39.65 1.71 0.00	44.16 1.89 0.00	43.14 2.15 0.00	58.35 3.28 0.00	55.80 3.14 0.00	45.95 2.77 0.00	39.21 2.21 0.00	37.97 1.87 0.00	39.06 2.35 0.00	33.26 1.57 0.00	38.62 1.69 0.00	34.52 1.57 0.00	37.84 1.89 0.00	35.56 2.04 0.00	39.50 2.58 0.00	73.90 4.24 0.00	79.36 4.43 0.00	93.55 5.26 0.00	63.03 3.64 0.00	53.82 3.37 0.00	43.27 2.52 0.00	41.43 2.39 0.00
PPL_SHRM_GT3 24213	47.96 1.61 0.00	44.13 1.18 0.00	39.04 1.10 0.00	43.55 1.27 0.00	42.84 1.85 0.00	58.63 3.56 0.00	56.00 3.34 0.00	46.05 2.87 0.00	38.70 1.70 0.00	37.24 1.14 0.00	38.25 1.53 0.00	32.51 0.82 0.00	37.72 0.79 0.00	33.74 0.79 0.00	36.99 1.04 0.00	34.85 1.33 0.00	38.99 2.07 0.00	72.61 2.96 0.00	78.19 3.26 0.00	92.15 3.86 0.00	62.09 2.70 0.00	53.27 2.83 0.00	42.61 1.86 0.00	40.74 1.70 0.00
PPL_SHRM_GT4 24214	47.96 1.61 0.00	44.13 1.18 0.00	39.04 1.10 0.00	43.55 1.27 0.00	42.84 1.85 0.00	58.63 3.56 0.00	56.00 3.34 0.00	46.05 2.87 0.00	38.70 1.70 0.00	37.24 1.14 0.00	38.25 1.53 0.00	32.51 0.82 0.00	37.72 0.79 0.00	33.74 0.79 0.00	36.99 1.04 0.00	34.85 1.33 0.00	38.99 2.07 0.00	72.61 2.96 0.00	78.19 3.26 0.00	92.15 3.86 0.00	62.09 2.70 0.00	53.27 2.83 0.00	42.61 1.86 0.00	40.74 1.70 0.00
PROJECT___ORANGE 1 24174	45.24 -1.11 0.00	41.86 -1.09 0.00	36.97 -0.97 0.00	41.29 -0.98 0.00	40.00 -0.99 0.00	53.85 -1.22 0.00	51.55 -1.11 0.00	42.28 -0.90 0.00	36.21 -0.79 0.00	35.37 -0.72 0.00	35.87 -0.85 0.00	30.96 -0.73 0.00	36.09 -0.84 0.00	32.17 -0.78 0.00	35.04 -0.91 0.00	32.64 -0.88 0.00	35.91 -1.00 0.00	67.98 -1.68 0.00	73.26 -1.67 0.00	86.25 -2.04 0.00	57.97 -1.42 0.00	49.03 -1.42 0.00	39.57 -1.18 0.00	37.92 -1.12 0.00
PROJECT___ORANGE 2 24166	45.24 -1.11 0.00	41.86 -1.09 0.00	36.97 -0.97 0.00	41.29 -0.98 0.00	40.00 -0.99 0.00	53.85 -1.22 0.00	51.55 -1.11 0.00	42.28 -0.90 0.00	36.21 -0.79 0.00	35.37 -0.72 0.00	35.87 -0.85 0.00	30.96 -0.73 0.00	36.09 -0.84 0.00	32.17 -0.78 0.00	35.04 -0.91 0.00	32.64 -0.88 0.00	35.91 -1.00 0.00	67.98 -1.68 0.00	73.26 -1.67 0.00	86.25 -2.04 0.00	57.97 -1.42 0.00	49.03 -1.42 0.00	39.57 -1.18 0.00	37.92 -1.12 0.00
PUCKETT___SOLAR 323809	46.37 0.02 0.00	42.77 -0.18 0.00	37.63 -0.31 0.00	42.19 -0.08 0.00	40.81 -0.18 0.00	54.60 -0.46 0.00	52.28 -0.37 0.00	42.79 -0.39 0.00	36.62 -0.38 0.00	35.55 -0.55 0.00	35.92 -0.80 0.00	30.97 -0.72 0.00	36.11 -0.82 0.00	32.24 -0.71 0.00	35.01 -0.94 0.00	32.67 -0.85 0.00	36.22 -0.70 0.00	69.16 -0.50 0.00	74.73 -0.21 0.00	87.99 -0.30 0.00	59.23 -0.16 0.00	50.03 -0.42 0.00	40.36 -0.39 0.00	38.67 -0.37 0.00
PYRITES___HYD 24023	48.08 1.73 0.00	44.54 1.59 0.00	39.26 1.32 0.00	43.67 1.40 0.00	42.34 1.36 0.00	56.64 1.57 0.00	53.99 1.33 0.00	48.08 0.89 -4.00	41.97 0.05 -4.91	44.90 -0.25 -9.05	57.04 -0.27 -20.59	61.13 -0.31 -29.75	69.08 -0.40 -32.55	62.98 -0.34 -30.36	67.25 -0.43 -31.73	63.77 -0.36 -30.60	69.04 -0.35 -32.48	121.96 1.11 -51.20	131.54 2.24 -54.36	152.64 2.49 -61.85	106.61 1.79 -45.43	91.09 1.82 -38.83	56.85 1.47 -14.64	40.70 1.43 -0.23
QUAKERRD_115KV_BK1 80622	43.50 -2.85 0.00	40.30 -2.65 0.00	35.49 -2.45 0.00	39.68 -2.60 0.00	38.34 -2.65 0.00	51.85 -3.22 0.00	49.61 -3.05 0.00	40.72 -2.46 0.00	34.83 -2.17 0.00	34.05 -2.05 0.00	34.42 -2.30 0.00	29.65 -2.05 0.00	34.57 -2.36 0.00	30.78 -2.18 0.00	33.51 -2.44 0.00	31.37 -2.16 0.00	34.60 -2.31 0.00	65.75 -3.91 0.00	70.89 -4.05 0.00	83.25 -5.04 0.00	55.94 -3.45 0.00	47.11 -3.34 0.00	38.10 -2.64 0.00	36.63 -2.41 0.00
QUENSBRY_115KV_TB8 356137	50.06 3.71 0.00	46.45 3.51 0.00	41.02 3.08 0.00	45.65 3.38 0.00	44.41 3.42 0.00	59.90 4.83 0.00	57.35 4.69 0.00	46.91 3.72 0.00	40.14 3.14 0.00	38.82 2.73 0.00	39.20 2.48 0.00	33.86 2.17 0.00	39.46 2.53 0.00	35.17 2.22 0.00	38.57 2.62 0.00	36.22 2.69 0.00	39.98 3.07 0.00	75.58 5.93 0.00	81.40 6.46 0.00	96.10 7.81 0.00	64.54 5.15 0.00	54.56 4.12 0.00	43.94 3.20 0.00	42.17 3.12 0.00
RAMAPO___LBMP 323565	47.16 0.80 0.00	43.65 0.70 0.00	38.61 0.67 0.00	43.06 0.78 0.00	41.80 0.80 0.00	56.11 1.04 0.00	53.77 1.11 0.00	44.19 1.02 0.00	37.97 0.97 0.00	37.20 1.11 0.00	38.03 1.31 0.00	32.66 0.97 0.00	38.08 1.16 0.00	34.07 1.12 0.00	37.21 1.26 0.00	34.71 1.19 0.00	38.24 1.33 0.00	71.66 2.00 0.00	77.06 2.12 0.00	90.73 2.44 0.00	61.13 1.74 0.00	51.98 1.54 0.00	41.94 1.19 0.00	40.13 1.09 0.00
RANKINE____ 23646	43.61 -2.74 0.00	40.09 -2.62 0.00	30.93 -2.73 0.00	36.79 -2.78 0.00	37.87 -2.91 0.00	46.87 -3.33 0.00	42.56 -3.26 0.00	34.93 -2.68 0.00	29.72 -2.38 0.00	29.65 -2.08 0.00	30.07 -2.34 0.00	25.98 -1.79 0.00	30.31 -2.30 0.00	26.54 -2.21 0.00	29.01 -2.49 0.00	27.37 -2.08 0.00	30.07 -2.36 0.00	57.65 -3.99 0.00	62.45 -4.01 0.00	73.51 -5.21 0.00	51.92 -3.37 0.00	45.73 -3.52 0.00	38.12 -2.62 0.00	36.79 -2.25 0.00
RAVENSWOOD_GT2_1 24244	47.74 1.39 0.00	44.14 1.19 0.00	39.17 1.23 0.00	43.61 1.34 0.00	42.36 1.37 0.00	56.80 1.73 0.00	54.45 1.80 0.00	44.86 1.68 0.00	38.66 1.66 0.00	37.92 1.83 0.00	38.82 2.11 0.00	33.32 1.63 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.95 2.00 0.00	35.43 1.91 0.00	38.98 2.06 0.00	72.74 3.09 0.00	78.17 3.23 0.00	92.21 3.92 0.00	62.16 2.77 0.00	52.84 2.40 0.00	42.64 1.89 0.00	40.76 1.72 0.00

RAVENSWOOD_GT2_2 24245	47.74 1.39 0.00	44.14 1.19 0.00	39.17 1.23 0.00	43.61 1.34 0.00	42.36 1.37 0.00	56.80 1.73 0.00	54.45 1.80 0.00	44.86 1.68 0.00	38.66 1.66 0.00	37.92 1.83 0.00	38.82 2.11 0.00	33.32 1.63 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.95 2.00 0.00	35.43 1.91 0.00	38.98 2.06 0.00	72.74 3.09 0.00	78.17 3.23 0.00	92.21 3.92 0.00	62.16 2.77 0.00	52.84 2.40 0.00	42.64 1.89 0.00	40.76 1.72 0.00
RAVENSWOOD_GT2_3 24246	47.77 1.42 0.00	44.16 1.21 0.00	39.18 1.24 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.81 1.74 0.00	54.48 1.83 0.00	44.88 1.70 0.00	38.68 1.67 0.00	37.94 1.84 0.00	38.83 2.12 0.00	33.34 1.65 0.00	38.87 1.95 0.00	34.75 1.80 0.00	37.96 2.01 0.00	35.45 1.92 0.00	38.99 2.08 0.00	72.77 3.11 0.00	78.21 3.28 0.00	92.25 3.96 0.00	62.20 2.81 0.00	52.88 2.43 0.00	42.66 1.91 0.00	40.78 1.73 0.00
RAVENSWOOD_GT2_4 24247	47.77 1.42 0.00	44.16 1.21 0.00	39.18 1.24 0.00	43.64 1.36 0.00	42.38 1.39 0.00	56.81 1.74 0.00	54.48 1.83 0.00	44.88 1.70 0.00	38.68 1.67 0.00	37.94 1.84 0.00	38.83 2.12 0.00	33.34 1.65 0.00	38.87 1.95 0.00	34.75 1.80 0.00	37.96 2.01 0.00	35.45 1.92 0.00	38.99 2.08 0.00	72.77 3.11 0.00	78.21 3.28 0.00	92.25 3.96 0.00	62.20 2.81 0.00	52.88 2.43 0.00	42.66 1.91 0.00	40.78 1.73 0.00
RAVENSWOOD_GT3_1 24248	47.74 1.39 0.00	44.14 1.19 0.00	39.17 1.23 0.00	43.61 1.34 0.00	42.36 1.37 0.00	56.80 1.73 0.00	54.45 1.80 0.00	44.87 1.69 0.00	38.66 1.66 0.00	37.92 1.83 0.00	38.82 2.11 0.00	33.32 1.63 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.95 2.00 0.00	35.43 1.91 0.00	38.98 2.06 0.00	72.74 3.09 0.00	78.18 3.25 0.00	92.21 3.92 0.00	62.16 2.77 0.00	52.84 2.40 0.00	42.64 1.89 0.00	40.76 1.72 0.00
RAVENSWOOD_GT3_2 24249	47.74 1.39 0.00	44.14 1.19 0.00	39.17 1.23 0.00	43.61 1.34 0.00	42.36 1.37 0.00	56.80 1.73 0.00	54.45 1.80 0.00	44.87 1.69 0.00	38.66 1.66 0.00	37.92 1.83 0.00	38.82 2.11 0.00	33.32 1.63 0.00	38.86 1.93 0.00	34.74 1.79 0.00	37.95 2.00 0.00	35.43 1.91 0.00	38.98 2.06 0.00	72.74 3.09 0.00	78.18 3.25 0.00	92.21 3.92 0.00	62.16 2.77 0.00	52.84 2.40 0.00	42.64 1.89 0.00	40.76 1.72 0.00
RAVENSWOOD_GT3_3 24250	47.82 1.47 0.00	44.20 1.25 0.00	39.21 1.27 0.00	43.67 1.39 0.00	42.42 1.43 0.00	56.86 1.79 0.00	54.53 1.88 0.00	44.92 1.74 0.00	38.71 1.71 0.00	37.98 1.88 0.00	38.88 2.16 0.00	33.37 1.68 0.00	38.93 2.00 0.00	34.79 1.84 0.00	38.00 2.05 0.00	35.49 1.96 0.00	39.03 2.11 0.00	72.86 3.20 0.00	78.32 3.38 0.00	92.37 4.08 0.00	62.27 2.88 0.00	52.93 2.49 0.00	42.70 1.95 0.00	40.81 1.77 0.00
RAVENSWOOD_GT3_4 24251	47.82 1.47 0.00	44.20 1.25 0.00	39.21 1.27 0.00	43.67 1.39 0.00	42.42 1.43 0.00	56.86 1.79 0.00	54.53 1.88 0.00	44.92 1.74 0.00	38.71 1.71 0.00	37.98 1.88 0.00	38.88 2.16 0.00	33.37 1.68 0.00	38.93 2.00 0.00	34.79 1.84 0.00	38.00 2.05 0.00	35.49 1.96 0.00	39.03 2.11 0.00	72.86 3.20 0.00	78.32 3.38 0.00	92.37 4.08 0.00	62.27 2.88 0.00	52.93 2.49 0.00	42.70 1.95 0.00	40.81 1.77 0.00
RAVENSWOOD_GT_1 23729	50.61 1.51 -2.75	47.61 1.30 -3.37	43.47 1.35 -4.18	46.98 1.43 -3.27	45.98 1.46 -3.53	57.68 1.83 -0.78	55.69 1.93 -1.10	48.31 1.81 -3.32	43.29 1.80 -4.49	42.65 2.00 -4.55	43.53 2.29 -4.52	38.90 1.80 -5.42	43.27 2.09 -4.25	39.75 1.94 -4.86	42.32 2.15 -4.22	40.48 2.06 -4.90	43.37 2.22 -4.24	73.83 3.26 -0.92	80.04 3.47 -1.64	95.50 4.22 -2.99	64.53 2.98 -2.16	54.74 2.58 -1.72	46.55 2.06 -3.74	44.88 1.87 -3.97
RAVENSWOOD_GT_10 24258	48.06 1.39 -0.32	44.53 1.19 -0.39	39.64 1.22 -0.48	43.99 1.33 -0.37	42.77 1.37 -0.40	56.89 1.73 -0.09	54.58 1.80 -0.13	45.25 1.68 -0.38	39.17 1.66 -0.52	38.45 1.83 -0.53	39.34 2.10 -0.52	33.94 1.63 -0.63	39.35 1.93 -0.49	35.30 1.78 -0.56	38.43 1.99 -0.49	35.99 1.90 -0.57	39.46 2.06 -0.49	72.85 3.09 -0.11	78.36 3.23 -0.19	92.55 3.92 -0.35	62.41 2.77 -0.25	53.03 2.39 -0.20	43.06 1.88 -0.43	41.20 1.70 -0.46
RAVENSWOOD_GT_11 24259	48.06 1.39 -0.32	44.53 1.19 -0.39	39.64 1.22 -0.48	43.99 1.33 -0.37	42.77 1.37 -0.40	56.89 1.73 -0.09	54.58 1.80 -0.13	45.25 1.68 -0.38	39.17 1.66 -0.52	38.45 1.83 -0.53	39.34 2.10 -0.52	33.94 1.63 -0.63	39.35 1.93 -0.49	35.30 1.78 -0.56	38.43 1.99 -0.49	35.99 1.90 -0.57	39.46 2.06 -0.49	72.85 3.09 -0.11	78.36 3.23 -0.19	92.55 3.92 -0.35	62.41 2.77 -0.25	53.03 2.39 -0.20	43.06 1.88 -0.43	41.20 1.70 -0.46
RAVENSWOOD_GT_4 24252	49.83 1.39 -2.09	46.70 1.18 -2.57	42.33 1.21 -3.18	46.10 1.33 -2.49	45.04 1.37 -2.69	57.39 1.73 -0.59	55.29 1.79 -0.84	47.38 1.68 -2.53	42.06 1.64 -3.42	41.36 1.80 -3.46	42.24 2.07 -3.44	37.43 1.61 -4.12	42.07 1.91 -3.24	38.41 1.77 -3.70	41.13 1.97 -3.21	39.14 1.88 -3.73	42.19 2.04 -3.23	73.43 3.07 -0.70	79.41 3.23 -1.25	94.46 3.89 -2.28	63.79 2.75 -1.65	54.14 2.39 -1.30	45.47 1.87 -2.85	43.75 1.69 -3.02
RAVENSWOOD_GT_5 24254	49.83 1.39 -2.09	46.70 1.18 -2.57	42.33 1.21 -3.18	46.10 1.33 -2.49	45.04 1.37 -2.69	57.39 1.73 -0.59	55.29 1.79 -0.84	47.38 1.68 -2.53	42.06 1.64 -3.42	41.36 1.80 -3.46	42.24 2.07 -3.44	37.43 1.61 -4.12	42.07 1.91 -3.24	38.41 1.77 -3.70	41.13 1.97 -3.21	39.14 1.88 -3.73	42.19 2.04 -3.23	73.43 3.07 -0.70	79.41 3.23 -1.25	94.46 3.89 -2.28	63.79 2.75 -1.65	54.14 2.39 -1.30	45.47 1.87 -2.85	43.75 1.69 -3.02
RAVENSWOOD_GT_6 24253	49.83 1.39 -2.09	46.70 1.18 -2.57	42.33 1.21 -3.18	46.10 1.33 -2.49	45.04 1.37 -2.69	57.39 1.73 -0.59	55.29 1.79 -0.84	47.38 1.68 -2.53	42.06 1.64 -3.42	41.36 1.80 -3.46	42.24 2.07 -3.44	37.43 1.61 -4.12	42.07 1.91 -3.24	38.41 1.77 -3.70	41.13 1.97 -3.21	39.14 1.88 -3.73	42.19 2.04 -3.23	73.43 3.07 -0.70	79.41 3.23 -1.25	94.46 3.89 -2.28	63.79 2.75 -1.65	54.14 2.39 -1.30	45.47 1.87 -2.85	43.75 1.69 -3.02
RAVENSWOOD_GT_7 24255	49.83 1.39 -2.09	46.70 1.18 -2.57	42.33 1.21 -3.18	46.10 1.33 -2.49	45.04 1.37 -2.69	57.39 1.73 -0.59	55.29 1.79 -0.84	47.38 1.68 -2.53	42.06 1.64 -3.42	41.36 1.80 -3.46	42.24 2.07 -3.44	37.43 1.61 -4.12	42.07 1.91 -3.24	38.41 1.77 -3.70	41.13 1.97 -3.21	39.14 1.88 -3.73	42.19 2.04 -3.23	73.43 3.07 -0.70	79.41 3.23 -1.25	94.46 3.89 -2.28	63.79 2.75 -1.65	54.14 2.39 -1.30	45.47 1.87 -2.85	43.75 1.69 -3.02
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	48.06 1.39 -0.32	44.53 1.19 -0.39	39.64 1.22 -0.48	43.99 1.33 -0.37	42.77 1.37 -0.40	56.89 1.73 -0.09	54.58 1.80 -0.13	45.25 1.68 -0.38	39.17 1.66 -0.52	38.45 1.83 -0.53	39.34 2.10 -0.52	33.94 1.63 -0.63	39.35 1.93 -0.49	35.30 1.78 -0.56	38.43 1.99 -0.49	35.99 1.90 -0.57	39.46 2.06 -0.49	72.85 3.09 -0.11	78.36 3.23 -0.19	92.55 3.92 -0.35	62.41 2.77 -0.25	53.03 2.39 -0.20	43.06 1.88 -0.43	41.20 1.70 -0.46

RAVENSWOOD_GT_9 24257	48.06 1.39 -0.32	44.53 1.19 -0.39	39.64 1.22 -0.48	43.99 1.33 -0.37	42.77 1.37 -0.40	56.89 1.73 -0.09	54.58 1.80 -0.13	45.25 1.68 -0.38	39.17 1.66 -0.52	38.45 1.83 -0.53	39.34 2.10 -0.52	33.94 1.63 -0.63	39.35 1.93 -0.49	35.30 1.78 -0.56	38.43 1.99 -0.49	35.99 1.90 -0.57	39.46 2.06 -0.49	72.85 3.09 -0.11	78.36 3.23 -0.19	92.55 3.92 -0.35	62.41 2.77 -0.25	53.03 2.39 -0.20	43.06 1.88 -0.43	41.20 1.70 -0.46
RAVENSWOOD___1 23533	45.11 1.46 2.70	40.89 1.26 3.32	35.12 1.29 4.12	40.42 1.36 3.22	38.93 1.41 3.47	56.06 1.76 0.76	53.42 1.85 1.08	41.65 1.74 3.27	34.32 1.74 4.42	33.54 1.93 4.48	34.48 2.22 4.46	28.10 1.75 5.33	34.78 2.03 4.19	30.06 1.89 4.78	33.90 2.10 4.15	30.72 2.01 4.82	34.89 2.15 4.18	71.92 3.17 0.90	76.71 3.39 1.61	89.43 4.09 2.95	60.18 2.92 2.13	51.28 2.53 1.69	39.08 2.02 3.68	36.96 1.83 3.91
RAVENSWOOD___2 23534	45.11 1.46 2.70	40.89 1.26 3.32	35.12 1.29 4.12	40.42 1.36 3.22	38.93 1.41 3.47	56.06 1.76 0.76	53.42 1.85 1.08	41.65 1.74 3.27	34.32 1.74 4.42	33.54 1.93 4.48	34.48 2.22 4.46	28.10 1.75 5.33	34.78 2.03 4.19	30.06 1.89 4.78	33.90 2.10 4.15	30.72 2.01 4.82	34.89 2.15 4.18	71.92 3.17 0.90	76.71 3.39 1.61	89.43 4.09 2.95	60.18 2.92 2.13	51.28 2.53 1.69	39.08 2.02 3.68	36.96 1.83 3.91
RAVENSWOOD___3 23535	47.74 1.39 0.00	44.14 1.20 0.00	39.16 1.22 0.00	43.61 1.33 0.00	42.37 1.38 0.00	56.80 1.73 0.00	54.44 1.79 0.00	44.86 1.68 0.00	38.66 1.66 0.00	37.91 1.82 0.00	38.82 2.10 0.00	33.32 1.63 0.00	38.86 1.93 0.00	34.73 1.78 0.00	37.94 1.99 0.00	35.43 1.90 0.00	38.96 2.05 0.00	72.74 3.08 0.00	78.18 3.24 0.00	92.21 3.92 0.00	62.16 2.78 0.00	52.84 2.40 0.00	42.64 1.89 0.00	40.76 1.72 0.00
RAVENSWOOD___4 23820	45.11 1.46 2.70	40.89 1.26 3.32	35.12 1.29 4.12	40.42 1.36 3.22	38.93 1.41 3.47	56.06 1.76 0.76	53.42 1.85 1.08	41.65 1.74 3.27	34.32 1.74 4.42	33.54 1.93 4.48	34.48 2.22 4.46	28.10 1.75 5.33	34.78 2.03 4.19	30.06 1.89 4.78	33.90 2.10 4.15	30.72 2.01 4.82	34.89 2.15 4.18	71.92 3.17 0.90	76.71 3.39 1.61	89.43 4.09 2.95	60.18 2.92 2.13	51.28 2.53 1.69	39.08 2.02 3.68	36.96 1.83 3.91
RCPL_TRUST___DRP 24196	47.70 1.34 0.00	44.10 1.15 0.00	39.13 1.18 0.00	43.56 1.29 0.00	42.32 1.33 0.00	56.75 1.68 0.00	54.40 1.74 0.00	44.82 1.65 0.00	38.62 1.62 0.00	37.89 1.79 0.00	38.78 2.06 0.00	33.28 1.59 0.00	38.82 1.89 0.00	34.69 1.74 0.00	37.90 1.95 0.00	35.39 1.87 0.00	38.94 2.03 0.00	72.66 3.01 0.00	78.09 3.16 0.00	92.12 3.83 0.00	62.10 2.71 0.00	52.78 2.34 0.00	42.58 1.83 0.00	40.70 1.66 0.00
RED___ROCHESTER 323720	44.44 -1.91 0.00	41.15 -1.80 0.00	36.22 -1.72 0.00	40.51 -1.76 0.00	39.10 -1.89 0.00	52.97 -2.09 0.00	50.67 -1.98 0.00	41.62 -1.56 0.00	35.54 -1.46 0.00	34.82 -1.28 0.00	35.16 -1.56 0.00	30.28 -1.41 0.00	35.30 -1.63 0.00	31.41 -1.54 0.00	34.22 -1.73 0.00	32.07 -1.46 0.00	35.40 -1.51 0.00	67.32 -2.33 0.00	72.64 -2.29 0.00	85.30 -2.99 0.00	57.26 -2.13 0.00	48.14 -2.31 0.00	38.97 -1.78 0.00	37.48 -1.57 0.00
REGAN___SOLAR 323812	48.95 2.59 0.00	45.38 2.43 0.00	40.05 2.11 0.00	44.56 2.28 0.00	43.22 2.23 0.00	58.12 3.05 0.00	55.60 2.94 0.00	45.43 2.26 0.00	38.31 1.31 0.00	35.97 -0.13 0.00	36.63 -0.09 0.00	31.65 -0.04 0.00	36.93 0.00 0.00	32.93 -0.02 0.00	36.09 0.14 0.00	33.72 0.19 0.00	37.98 1.06 0.00	73.93 4.27 0.00	79.81 4.88 0.00	94.03 5.74 0.00	63.21 3.82 0.00	53.53 3.08 0.00	43.16 2.41 0.00	41.25 2.21 0.00
RENSSELAER___COGEN 23796	47.84 1.49 0.00	44.33 1.39 0.00	39.21 1.27 0.00	43.67 1.39 0.00	42.42 1.43 0.00	56.98 1.92 0.00	54.50 1.84 0.00	44.68 1.50 0.00	38.40 1.40 0.00	37.44 1.34 0.00	38.11 1.39 0.00	32.90 1.21 0.00	38.34 1.41 0.00	34.24 1.29 0.00	37.42 1.47 0.00	34.94 1.42 0.00	38.56 1.65 0.00	72.41 2.75 0.00	77.68 2.74 0.00	91.69 3.40 0.00	61.70 2.31 0.00	52.42 1.98 0.00	42.32 1.58 0.00	40.51 1.47 0.00
REPUBLIC_115KV_BARTNBRK 55605	52.11 5.76 0.00	48.37 5.42 0.00	42.70 4.76 0.00	47.46 5.18 0.00	46.31 5.32 0.00	62.66 7.60 0.00	60.05 7.39 0.00	48.94 5.76 0.00	41.76 4.76 0.00	40.34 4.24 0.00	40.38 3.66 0.00	34.77 3.08 0.00	40.52 3.59 0.00	36.04 3.09 0.00	39.65 3.70 0.00	37.50 3.98 0.00	41.13 4.21 0.00	77.66 8.00 0.00	84.33 9.40 0.00	99.73 11.44 0.00	66.87 7.48 0.00	56.36 5.92 0.00	45.32 4.57 0.00	43.46 4.42 0.00
REVERE_CPPR_DRP 24186	47.39 1.04 0.00	43.87 0.92 0.00	38.74 0.80 0.00	43.24 0.97 0.00	42.00 1.01 0.00	56.51 1.44 0.00	54.10 1.45 0.00	44.32 1.15 0.00	37.75 0.74 0.00	36.66 0.56 0.00	37.07 0.36 0.00	31.91 0.22 0.00	37.29 0.36 0.00	33.20 0.25 0.00	36.32 0.36 0.00	33.99 0.46 0.00	37.76 0.84 0.00	71.90 2.25 0.00	77.53 2.60 0.00	91.17 2.88 0.00	61.21 1.82 0.00	51.84 1.40 0.00	41.75 1.00 0.00	39.93 0.89 0.00
REYNOLDS_115KV_TB3 80639	47.82 1.47 0.00	44.34 1.39 0.00	39.23 1.29 0.00	43.66 1.39 0.00	42.45 1.46 0.00	56.97 1.91 0.00	54.45 1.79 0.00	44.65 1.47 0.00	38.46 1.47 0.00	37.51 1.41 0.00	38.24 1.52 0.00	33.02 1.33 0.00	38.46 1.53 0.00	34.38 1.43 0.00	37.59 1.64 0.00	35.13 1.61 0.00	38.70 1.78 0.00	72.31 2.66 0.00	77.43 2.49 0.00	91.50 3.21 0.00	61.55 2.16 0.00	52.34 1.90 0.00	42.31 1.56 0.00	40.53 1.49 0.00
RIVERBAY____ 323610	47.71 1.36 0.00	44.13 1.18 0.00	39.22 1.28 0.00	43.63 1.35 0.00	42.35 1.36 0.00	56.79 1.73 0.00	54.49 1.83 0.00	44.92 1.74 0.00	38.69 1.69 0.00	38.00 1.91 0.00	38.85 2.13 0.00	33.34 1.65 0.00	38.84 1.91 0.00	34.73 1.78 0.00	37.93 1.98 0.00	35.42 1.89 0.00	38.95 2.04 0.00	72.83 3.17 0.00	78.48 3.55 0.00	92.69 4.40 0.00	62.46 3.07 0.00	53.08 2.64 0.00	42.87 2.12 0.00	40.92 1.88 0.00
RIVERSDE_115KV_TB3 55908	47.89 1.54 0.00	44.38 1.43 0.00	39.27 1.32 0.00	43.72 1.44 0.00	42.49 1.50 0.00	57.05 1.99 0.00	54.55 1.89 0.00	44.72 1.55 0.00	38.49 1.49 0.00	37.52 1.43 0.00	38.24 1.52 0.00	33.01 1.33 0.00	38.46 1.53 0.00	34.37 1.42 0.00	37.57 1.62 0.00	35.10 1.58 0.00	38.71 1.80 0.00	72.47 2.82 0.00	77.67 2.74 0.00	91.73 3.45 0.00	61.71 2.32 0.00	52.45 2.01 0.00	42.37 1.63 0.00	40.58 1.54 0.00
ROARING___BROOK_WT_PWR 323790	45.81 -0.55 0.00	42.69 -0.25 0.00	37.68 -0.25 0.00	41.85 -0.42 0.00	40.59 -0.40 0.00	54.39 -0.67 0.00	51.68 -0.98 0.00	39.45 -0.95 2.78	32.73 -0.85 3.42	28.92 -0.88 6.29	21.46 -0.95 14.31	10.19 -0.82 20.67	13.32 -0.99 22.62	10.94 -0.91 21.10	12.63 -0.95 22.36	11.40 -0.86 21.26	13.36 -0.99 22.57	32.42 -1.66 35.58	35.50 -1.66 37.78	43.46 -1.85 42.98	26.52 -1.30 31.57	22.38 -1.08 26.98	29.70 -0.88 10.17	38.17 -0.71 0.16

ROCHESRG_115KV_T4 355643	43.95 -2.40 0.00	40.62 -2.25 0.07	34.56 -2.13 1.25	39.28 -2.21 0.79	38.62 -2.31 0.06	50.93 -2.71 1.43	48.05 -2.60 2.00	39.47 -2.08 1.63	33.68 -1.89 1.43	33.08 -1.73 1.28	33.49 -1.97 1.26	28.85 -1.69 1.15	33.67 -2.00 1.26	29.84 -1.88 1.23	32.54 -2.11 1.31	30.51 -1.82 1.19	33.63 -1.98 1.31	64.05 -3.26 2.35	69.13 -3.32 2.48	81.26 -4.23 2.80	55.30 -2.89 1.20	47.18 -2.91 0.35	38.48 -2.27 0.00	37.04 -2.00 0.00
ROCHESTER_9_IC 23652	44.20 -2.16 0.00	40.93 -2.01 0.00	36.02 -1.92 0.00	40.29 -1.99 0.00	38.89 -2.10 0.00	52.66 -2.41 0.00	50.36 -2.30 0.00	41.35 -1.82 0.00	35.32 -1.68 0.00	34.56 -1.53 0.00	34.94 -1.78 0.00	30.13 -1.56 0.00	35.10 -1.83 0.00	31.23 -1.72 0.00	34.01 -1.94 0.00	31.88 -1.65 0.00	35.14 -1.77 0.00	66.84 -2.82 0.00	72.14 -2.80 0.00	84.66 -3.63 0.00	56.90 -2.49 0.00	47.83 -2.61 0.00	38.73 -2.02 0.00	37.26 -1.78 0.00
ROCKVIEW_13_KV_LD 356306	47.87 1.52 0.00	44.26 1.32 0.00	39.23 1.29 0.00	43.70 1.42 0.00	42.45 1.46 0.00	56.95 1.88 0.00	54.60 1.94 0.00	44.92 1.75 0.00	38.67 1.66 0.00	37.89 1.79 0.00	38.78 2.06 0.00	33.30 1.61 0.00	38.82 1.89 0.00	34.71 1.76 0.00	37.93 1.97 0.00	35.42 1.89 0.00	39.01 2.09 0.00	72.90 3.24 0.00	78.33 3.40 0.00	92.36 4.07 0.00	62.25 2.86 0.00	52.91 2.46 0.00	42.67 1.92 0.00	40.79 1.74 0.00
ROME____115KV_TB2 80656	47.39 1.04 0.00	43.87 0.92 0.00	38.74 0.80 0.00	43.24 0.97 0.00	42.00 1.01 0.00	56.51 1.44 0.00	54.10 1.45 0.00	44.32 1.15 0.00	37.75 0.74 0.00	36.66 0.56 0.00	37.07 0.36 0.00	31.91 0.22 0.00	37.29 0.36 0.00	33.20 0.25 0.00	36.32 0.36 0.00	33.99 0.46 0.00	37.76 0.84 0.00	71.90 2.25 0.00	77.53 2.60 0.00	91.17 2.88 0.00	61.21 1.82 0.00	51.84 1.40 0.00	41.75 1.00 0.00	39.93 0.89 0.00
ROSETON___1 23587	47.41 1.06 0.00	43.88 0.94 0.00	38.86 0.92 0.00	43.28 1.01 0.00	42.05 1.06 0.00	56.41 1.35 0.00	54.04 1.38 0.00	44.41 1.23 0.00	38.17 1.17 0.00	37.36 1.27 0.00	38.17 1.45 0.00	32.81 1.12 0.00	38.28 1.35 0.00	34.21 1.26 0.00	37.38 1.43 0.00	34.90 1.38 0.00	38.44 1.53 0.00	71.99 2.33 0.00	77.37 2.43 0.00	91.19 2.90 0.00	61.44 2.05 0.00	52.22 1.78 0.00	42.14 1.39 0.00	40.31 1.27 0.00
ROSETON___2 23588	47.41 1.06 0.00	43.88 0.94 0.00	38.86 0.92 0.00	43.28 1.01 0.00	42.05 1.06 0.00	56.41 1.35 0.00	54.04 1.38 0.00	44.41 1.23 0.00	38.17 1.17 0.00	37.36 1.27 0.00	38.17 1.45 0.00	32.81 1.12 0.00	38.28 1.35 0.00	34.21 1.26 0.00	37.38 1.43 0.00	34.90 1.38 0.00	38.44 1.53 0.00	71.99 2.33 0.00	77.37 2.43 0.00	91.19 2.90 0.00	61.44 2.05 0.00	52.22 1.78 0.00	42.14 1.39 0.00	40.31 1.27 0.00
ROTRDAM_115KV_TB3 80664	47.54 1.19 0.00	44.05 1.10 0.00	38.95 1.01 0.00	43.38 1.10 0.00	42.11 1.12 0.00	56.60 1.53 0.00	54.14 1.48 0.00	44.38 1.21 0.00	38.03 1.03 0.00	36.97 0.88 0.00	37.62 0.90 0.00	32.49 0.80 0.00	37.87 0.94 0.00	33.80 0.85 0.00	36.94 0.99 0.00	34.50 0.97 0.00	38.10 1.19 0.00	71.82 2.17 0.00	77.15 2.21 0.00	91.02 2.73 0.00	61.23 1.84 0.00	51.98 1.54 0.00	41.96 1.21 0.00	40.17 1.13 0.00
RUSSELL___1 23602	44.44 -1.91 0.00	41.15 -1.79 0.00	36.19 -1.75 0.00	40.50 -1.78 0.00	39.09 -1.90 0.00	52.95 -2.12 0.00	50.65 -2.01 0.00	41.59 -1.59 0.00	35.51 -1.49 0.00	34.75 -1.34 0.00	35.12 -1.59 0.00	30.25 -1.43 0.00	35.28 -1.65 0.00	31.38 -1.57 0.00	34.19 -1.76 0.00	32.05 -1.48 0.00	35.35 -1.57 0.00	67.29 -2.37 0.00	72.62 -2.32 0.00	85.24 -3.05 0.00	57.27 -2.12 0.00	48.15 -2.30 0.00	38.97 -1.78 0.00	37.48 -1.56 0.00
RUSSELL___2 23532	44.44 -1.91 0.00	41.15 -1.79 0.00	36.19 -1.75 0.00	40.50 -1.78 0.00	39.09 -1.90 0.00	52.95 -2.12 0.00	50.65 -2.01 0.00	41.59 -1.59 0.00	35.51 -1.49 0.00	34.75 -1.34 0.00	35.12 -1.59 0.00	30.25 -1.43 0.00	35.28 -1.65 0.00	31.38 -1.57 0.00	34.19 -1.76 0.00	32.05 -1.48 0.00	35.35 -1.57 0.00	67.29 -2.37 0.00	72.62 -2.32 0.00	85.24 -3.05 0.00	57.27 -2.12 0.00	48.15 -2.30 0.00	38.97 -1.78 0.00	37.48 -1.56 0.00
RUSSELL___3 23549	44.44 -1.91 0.00	41.15 -1.79 0.00	36.19 -1.75 0.00	40.50 -1.78 0.00	39.09 -1.90 0.00	52.95 -2.12 0.00	50.65 -2.01 0.00	41.59 -1.59 0.00	35.51 -1.49 0.00	34.75 -1.34 0.00	35.12 -1.59 0.00	30.25 -1.43 0.00	35.28 -1.65 0.00	31.38 -1.57 0.00	34.19 -1.76 0.00	32.05 -1.48 0.00	35.35 -1.57 0.00	67.29 -2.37 0.00	72.62 -2.32 0.00	85.24 -3.05 0.00	57.27 -2.12 0.00	48.15 -2.30 0.00	38.97 -1.78 0.00	37.48 -1.56 0.00
RUSSELL___4 23556	44.44 -1.91 0.00	41.15 -1.79 0.00	36.19 -1.75 0.00	40.50 -1.78 0.00	39.09 -1.90 0.00	52.95 -2.12 0.00	50.65 -2.01 0.00	41.59 -1.59 0.00	35.51 -1.49 0.00	34.75 -1.34 0.00	35.12 -1.59 0.00	30.25 -1.43 0.00	35.28 -1.65 0.00	31.38 -1.57 0.00	34.19 -1.76 0.00	32.05 -1.48 0.00	35.35 -1.57 0.00	67.29 -2.37 0.00	72.62 -2.32 0.00	85.24 -3.05 0.00	57.27 -2.12 0.00	48.15 -2.30 0.00	38.97 -1.78 0.00	37.48 -1.56 0.00
RUSSELL___STATION 23914	44.44 -1.91 0.00	41.15 -1.79 0.00	36.19 -1.75 0.00	40.50 -1.78 0.00	39.09 -1.90 0.00	52.95 -2.12 0.00	50.65 -2.01 0.00	41.59 -1.59 0.00	35.51 -1.49 0.00	34.75 -1.34 0.00	35.12 -1.59 0.00	30.25 -1.43 0.00	35.28 -1.65 0.00	31.38 -1.57 0.00	34.19 -1.76 0.00	32.05 -1.48 0.00	35.35 -1.57 0.00	67.29 -2.37 0.00	72.62 -2.32 0.00	85.24 -3.05 0.00	57.27 -2.12 0.00	48.15 -2.30 0.00	38.97 -1.78 0.00	37.48 -1.56 0.00
S SALMON___HYD 24043	45.02 -1.33 0.00	41.64 -1.31 0.00	36.84 -1.10 0.00	41.19 -1.09 0.00	40.04 -0.95 0.00	53.70 -1.37 0.00	51.13 -1.53 0.00	42.31 -1.28 -0.41	36.15 -1.37 -0.51	35.54 -1.50 -0.94	37.23 -1.63 -2.14	33.33 -1.45 -3.09	38.61 -1.70 -3.38	34.57 -1.53 -3.15	37.53 -1.72 -3.30	35.01 -1.69 -3.18	38.52 -1.77 -3.37	72.53 -2.44 -5.32	78.56 -2.02 -5.64	92.30 -2.41 -6.42	62.50 -1.60 -4.72	52.91 -1.56 -4.03	40.97 -1.30 -1.52	37.79 -1.28 -0.02
S.PERRY__115KV_TB1 80734	45.02 -1.34 0.00	43.04 -1.29 -1.38	61.21 -1.46 -24.73	56.28 -1.61 -15.61	40.34 -1.84 -1.19	81.17 -2.01 -28.12	90.41 -1.72 -39.47	74.11 -1.27 -32.19	64.04 -1.26 -28.30	59.94 -1.40 -25.24	59.58 -2.00 -24.86	52.41 -1.92 -22.64	59.56 -2.32 -24.94	55.06 -2.18 -24.29	59.17 -2.49 -25.72	54.86 -2.23 -23.55	60.55 -2.25 -25.89	113.47 -2.48 -46.29	122.42 -1.43 -48.91	141.81 -1.71 -55.23	81.90 -1.17 -23.68	55.73 -1.58 -6.86	39.49 -1.26 0.00	37.92 -1.12 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	42.94 -3.42 0.00	39.46 -3.21 0.28	29.71 -3.16 5.07	35.79 -3.29 3.20	37.31 -3.44 0.24	45.26 -4.05 5.76	40.60 -3.97 8.09	33.36 -3.22 6.60	28.33 -2.87 5.80	28.35 -2.57 5.17	28.80 -2.82 5.09	24.85 -2.20 4.64	29.04 -2.78 5.11	25.34 -2.63 4.98	27.74 -2.94 5.27	26.22 -2.48 4.83	28.80 -2.81 5.30	55.27 -4.90 9.49	59.85 -5.06 10.02	70.51 -6.46 11.32	50.28 -4.26 4.85	44.77 -4.26 1.41	37.55 -3.20 0.00	36.28 -2.76 0.00

SAWYER___23_KV_LOAD 55526	42.94 -3.42 0.00	39.46 -3.21 0.28	29.71 -3.16 5.07	35.79 -3.29 3.20	37.31 -3.44 0.24	45.26 -4.05 5.76	40.60 -3.97 8.09	33.36 -3.22 6.60	28.33 -2.87 5.80	28.35 -2.57 5.17	28.80 -2.82 5.09	24.85 -2.20 4.64	29.04 -2.78 5.11	25.34 -2.63 4.98	27.74 -2.94 5.27	26.22 -2.48 4.83	28.80 -2.81 5.30	55.27 -4.90 9.49	59.85 -5.06 10.02	70.51 -6.46 11.32	50.28 -4.26 4.85	44.77 -4.26 1.41	37.55 -3.20 0.00	36.28 -2.76 0.00
SELKIRK___I 23801	47.85 1.50 0.00	44.34 1.39 0.00	39.22 1.28 0.00	43.68 1.40 0.00	42.43 1.45 0.00	57.00 1.93 0.00	54.51 1.85 0.00	44.63 1.45 0.00	38.21 1.21 0.00	37.25 1.15 0.00	37.89 1.17 0.00	32.72 1.03 0.00	38.08 1.15 0.00	33.99 1.04 0.00	37.14 1.19 0.00	34.67 1.15 0.00	38.40 1.49 0.00	72.33 2.67 0.00	77.64 2.71 0.00	91.61 3.32 0.00	61.65 2.26 0.00	52.39 1.95 0.00	42.29 1.55 0.00	40.50 1.46 0.00
SELKIRK___II 23799	47.62 1.27 0.00	44.12 1.18 0.00	39.02 1.08 0.00	43.46 1.19 0.00	42.22 1.23 0.00	56.71 1.64 0.00	54.23 1.58 0.00	44.47 1.29 0.00	38.20 1.20 0.00	37.25 1.16 0.00	37.92 1.20 0.00	32.74 1.05 0.00	38.15 1.22 0.00	34.07 1.12 0.00	37.22 1.27 0.00	34.74 1.22 0.00	38.34 1.42 0.00	72.02 2.36 0.00	77.29 2.35 0.00	91.22 2.93 0.00	61.38 1.99 0.00	52.14 1.70 0.00	42.11 1.36 0.00	40.31 1.27 0.00
SENECA OSWGO___HYD 24041	44.79 -1.56 0.00	41.47 -1.48 0.00	36.66 -1.28 0.00	40.93 -1.34 0.00	39.64 -1.35 0.00	53.35 -1.72 0.00	51.06 -1.60 0.00	41.87 -1.31 0.00	35.86 -1.14 0.00	35.01 -1.09 0.00	35.52 -1.19 0.00	30.64 -1.05 0.00	35.72 -1.21 0.00	31.84 -1.11 0.00	34.71 -1.24 0.00	32.33 -1.20 0.00	35.57 -1.34 0.00	67.31 -2.35 0.00	72.51 -2.43 0.00	85.34 -2.95 0.00	57.36 -2.02 0.00	48.52 -1.92 0.00	39.16 -1.59 0.00	37.54 -1.51 0.00
SENECA___115KV_TB3 355854	43.68 -2.67 0.00	40.16 -2.55 0.24	30.99 -2.67 4.28	36.85 -2.72 2.70	37.93 -2.85 0.21	46.96 -3.24 4.87	42.64 -3.18 6.83	34.99 -2.61 5.57	29.79 -2.31 4.90	29.70 -2.02 4.37	30.12 -2.29 4.30	26.03 -1.75 3.92	30.36 -2.25 4.32	26.59 -2.16 4.21	29.06 -2.44 4.45	27.43 -2.02 4.08	30.13 -2.30 4.48	57.78 -3.86 8.01	62.59 -3.88 8.47	73.65 -5.07 9.56	52.01 -3.27 4.10	45.83 -3.43 1.19	38.20 -2.55 0.00	36.87 -2.18 0.00
SENECA___ENERGY 23797	45.06 -1.29 0.00	41.74 -1.29 -0.09	38.30 -1.27 -1.63	42.01 -1.29 -1.03	39.71 -1.36 -0.08	55.26 -1.65 -1.85	53.79 -1.46 -2.59	44.20 -1.10 -2.12	37.92 -0.94 -1.86	36.77 -0.99 -1.66	37.06 -1.29 -1.63	32.04 -1.14 -1.49	37.27 -1.30 -1.64	33.30 -1.24 -1.60	36.23 -1.41 -1.69	33.77 -1.30 -1.55	37.22 -1.39 -1.70	70.68 -2.02 -3.04	76.34 -2.02 -3.21	89.81 -1.81 -3.63	59.50 -2.11 -1.56	49.29 -1.60 -0.45	39.44 -1.31 0.00	37.82 -1.23 0.00
SHOEMAKER___GT 23640	47.25 0.90 0.00	43.73 0.79 0.00	38.69 0.74 0.00	43.12 0.84 0.00	41.86 0.87 0.00	56.18 1.11 0.00	53.82 1.16 0.00	44.20 1.02 0.00	37.90 0.90 0.00	37.06 0.96 0.00	37.79 1.08 0.00	32.48 0.79 0.00	37.86 0.93 0.00	33.84 0.89 0.00	36.97 1.02 0.00	34.51 0.98 0.00	38.08 1.16 0.00	71.59 1.93 0.00	77.01 2.07 0.00	90.75 2.46 0.00	61.16 1.77 0.00	51.96 1.52 0.00	41.94 1.19 0.00	40.12 1.08 0.00
SHOEMAKR_138KV_BK 111 55601	47.21 0.86 0.00	43.70 0.75 0.00	38.65 0.71 0.00	43.09 0.81 0.00	41.82 0.83 0.00	56.13 1.06 0.00	53.78 1.13 0.00	44.18 1.00 0.00	37.90 0.90 0.00	37.07 0.97 0.00	37.80 1.09 0.00	32.50 0.81 0.00	37.89 0.96 0.00	33.87 0.92 0.00	37.00 1.05 0.00	34.54 1.01 0.00	38.10 1.18 0.00	71.55 1.90 0.00	76.96 2.02 0.00	90.71 2.42 0.00	61.11 1.72 0.00	51.92 1.48 0.00	41.91 1.16 0.00	40.09 1.05 0.00
SHOREHAM_IC_1 23715	47.96 1.61 0.00	44.13 1.18 0.00	39.04 1.10 0.00	43.55 1.27 0.00	42.84 1.85 0.00	58.63 3.56 0.00	56.00 3.34 0.00	46.05 2.87 0.00	38.70 1.70 0.00	37.24 1.14 0.00	38.25 1.53 0.00	32.51 0.82 0.00	37.72 0.79 0.00	33.74 0.79 0.00	36.99 1.04 0.00	34.85 1.33 0.00	38.99 2.07 0.00	72.61 2.96 0.00	78.19 3.26 0.00	92.15 3.86 0.00	62.09 2.70 0.00	53.27 2.83 0.00	42.61 1.86 0.00	40.74 1.70 0.00
SHOREHAM_IC_2 23716	47.96 1.61 0.00	44.13 1.18 0.00	39.04 1.10 0.00	43.55 1.27 0.00	42.84 1.85 0.00	58.63 3.56 0.00	56.00 3.34 0.00	46.05 2.87 0.00	38.70 1.70 0.00	37.24 1.14 0.00	38.25 1.53 0.00	32.51 0.82 0.00	37.72 0.79 0.00	33.74 0.79 0.00	36.99 1.04 0.00	34.85 1.33 0.00	38.99 2.07 0.00	72.61 2.96 0.00	78.19 3.26 0.00	92.15 3.86 0.00	62.09 2.70 0.00	53.27 2.83 0.00	42.61 1.86 0.00	40.74 1.70 0.00
SISSONVILLE____ 23735	46.98 0.62 0.00	43.55 0.60 0.00	38.40 0.46 0.00	42.70 0.42 0.00	41.46 0.47 0.00	55.21 0.15 0.00	52.52 -0.14 0.00	47.27 -0.23 -4.32	41.71 -0.59 -5.31	45.09 -0.77 -9.77	58.12 -0.80 -22.21	63.09 -0.70 -32.10	71.18 -0.87 -35.12	64.98 -0.73 -32.76	69.36 -0.84 -34.25	65.79 -0.75 -33.02	71.10 -0.86 -35.04	124.46 -0.44 -55.24	133.76 0.17 -58.65	155.07 0.04 -66.74	108.63 0.23 -49.02	92.93 0.59 -41.89	57.03 0.49 -15.79	39.78 0.49 -0.25
SITHE_IND_GS1 24169	44.52 -1.83 0.00	41.22 -1.72 0.00	36.43 -1.51 0.00	40.68 -1.60 0.00	39.40 -1.59 0.00	52.99 -2.08 0.00	50.66 -2.00 0.00	41.56 -1.62 0.00	35.61 -1.39 0.00	34.81 -1.28 0.00	35.33 -1.38 0.00	30.50 -1.19 0.00	35.55 -1.38 0.00	31.70 -1.25 0.00	34.53 -1.42 0.00	32.13 -1.40 0.00	35.27 -1.64 0.00	66.57 -3.09 0.00	71.70 -3.24 0.00	84.43 -3.86 0.00	56.77 -2.62 0.00	48.08 -2.36 0.00	38.84 -1.91 0.00	37.24 -1.80 0.00
SITHE_IND_GS2 24170	44.52 -1.83 0.00	41.22 -1.72 0.00	36.43 -1.51 0.00	40.68 -1.60 0.00	39.40 -1.59 0.00	52.99 -2.08 0.00	50.66 -2.00 0.00	41.56 -1.62 0.00	35.61 -1.39 0.00	34.81 -1.28 0.00	35.33 -1.38 0.00	30.50 -1.19 0.00	35.55 -1.38 0.00	31.70 -1.25 0.00	34.53 -1.42 0.00	32.13 -1.40 0.00	35.27 -1.64 0.00	66.57 -3.09 0.00	71.70 -3.24 0.00	84.43 -3.86 0.00	56.77 -2.62 0.00	48.08 -2.36 0.00	38.84 -1.91 0.00	37.24 -1.80 0.00
SITHE_IND_GS3 24171	44.52 -1.83 0.00	41.22 -1.72 0.00	36.43 -1.51 0.00	40.68 -1.60 0.00	39.40 -1.59 0.00	52.99 -2.08 0.00	50.66 -2.00 0.00	41.56 -1.62 0.00	35.61 -1.39 0.00	34.81 -1.28 0.00	35.33 -1.38 0.00	30.50 -1.19 0.00	35.55 -1.38 0.00	31.70 -1.25 0.00	34.53 -1.42 0.00	32.13 -1.40 0.00	35.27 -1.64 0.00	66.57 -3.09 0.00	71.70 -3.24 0.00	84.43 -3.86 0.00	56.77 -2.62 0.00	48.08 -2.36 0.00	38.84 -1.91 0.00	37.24 -1.80 0.00
SITHE_IND_GS4 24172	44.52 -1.83 0.00	41.22 -1.72 0.00	36.43 -1.51 0.00	40.68 -1.60 0.00	39.40 -1.59 0.00	52.99 -2.08 0.00	50.66 -2.00 0.00	41.56 -1.62 0.00	35.61 -1.39 0.00	34.81 -1.28 0.00	35.33 -1.38 0.00	30.50 -1.19 0.00	35.55 -1.38 0.00	31.70 -1.25 0.00	34.53 -1.42 0.00	32.13 -1.40 0.00	35.27 -1.64 0.00	66.57 -3.09 0.00	71.70 -3.24 0.00	84.43 -3.86 0.00	56.77 -2.62 0.00	48.08 -2.36 0.00	38.84 -1.91 0.00	37.24 -1.80 0.00

SITHE___BATAVIA 24024	44.27 -2.08 0.00	40.74 -1.98 0.23	31.89 -1.99 4.06	37.71 -2.01 2.56	38.61 -2.18 0.19	48.11 -2.34 4.61	43.97 -2.21 6.48	36.12 -1.78 5.28	30.60 -1.75 4.65	30.29 -1.66 4.14	30.45 -2.19 4.08	26.88 -1.09 3.72	30.64 -2.20 4.10	26.69 -2.28 3.99	29.25 -2.48 4.22	27.61 -2.05 3.87	30.63 -2.04 4.25	59.18 -2.88 7.60	64.46 -2.45 8.03	75.97 -3.26 9.07	53.18 -2.32 3.89	46.70 -2.62 1.13	38.86 -1.89 0.00	37.42 -1.62 0.00
SITHE___INDEPEND 23800	44.52 -1.83 0.00	41.22 -1.72 0.00	36.43 -1.51 0.00	40.68 -1.60 0.00	39.40 -1.59 0.00	52.98 -2.09 0.00	50.65 -2.00 0.00	41.55 -1.63 0.00	35.61 -1.39 0.00	34.80 -1.29 0.00	35.33 -1.38 0.00	30.50 -1.19 0.00	35.54 -1.39 0.00	31.70 -1.25 0.00	34.52 -1.42 0.00	32.12 -1.40 0.00	35.27 -1.65 0.00	66.56 -3.09 0.00	71.69 -3.25 0.00	84.43 -3.87 0.00	56.77 -2.62 0.00	48.08 -2.36 0.00	38.84 -1.91 0.00	37.24 -1.80 0.00
SITHE___MASSENA 23902	47.29 0.94 0.00	43.84 0.90 0.00	38.65 0.72 0.00	42.99 0.71 0.00	41.65 0.66 0.00	55.83 0.77 0.00	53.30 0.64 0.00	45.56 0.45 -1.93	39.55 0.18 -2.37	40.55 0.09 -4.37	46.73 0.09 -9.93	46.11 0.07 -14.35	52.69 0.06 -15.70	47.61 0.02 -14.64	51.16 -0.02 -15.23	48.32 0.03 -14.76	52.58 0.00 -15.66	95.05 0.70 -24.69	102.17 1.02 -26.22	119.17 1.05 -29.83	82.04 0.74 -21.91	69.99 0.82 -18.73	48.52 0.71 -7.06	39.88 0.73 -0.11
SITHE___OGDNSBRG 24021	48.13 1.78 0.00	44.58 1.63 0.00	39.30 1.36 0.00	43.72 1.44 0.00	42.37 1.38 0.00	56.77 1.70 0.00	54.18 1.52 0.00	47.61 1.04 -3.40	41.40 0.23 -4.17	43.76 -0.01 -7.67	54.13 -0.02 -17.44	56.81 -0.09 -25.21	64.37 -0.14 -27.58	58.55 -0.13 -25.72	62.62 -0.19 -26.86	59.32 -0.13 -25.92	64.30 -0.13 -27.51	114.35 1.32 -43.38	123.40 2.40 -46.06	143.36 2.67 -52.41	99.75 1.88 -38.49	85.17 1.83 -32.90	54.64 1.48 -12.40	40.71 1.47 -0.19
SITHE___STERLING 23777	47.01 0.66 0.00	43.52 0.57 0.00	38.43 0.49 0.00	42.91 0.63 0.00	41.65 0.66 0.00	56.07 1.00 0.00	53.71 1.06 0.00	44.03 0.85 0.00	37.54 0.54 0.00	36.51 0.41 0.00	36.94 0.22 0.00	31.81 0.11 0.00	37.15 0.22 0.00	33.08 0.13 0.00	36.15 0.19 0.00	33.78 0.25 0.00	37.44 0.53 0.00	71.14 1.49 0.00	76.70 1.76 0.00	90.23 1.94 0.00	60.61 1.22 0.00	51.34 0.90 0.00	41.38 0.63 0.00	39.60 0.56 0.00
SLEIGHT__34_KV_TB1 80719	44.61 -1.74 0.00	41.27 -1.67 0.00	36.37 -1.57 0.00	40.65 -1.62 0.00	39.29 -1.70 0.00	53.13 -1.94 0.00	50.92 -1.74 0.00	41.80 -1.38 0.00	35.72 -1.28 0.00	34.82 -1.27 0.00	35.16 -1.56 0.00	30.27 -1.43 0.00	35.34 -1.59 0.00	31.45 -1.50 0.00	34.23 -1.73 0.00	32.00 -1.53 0.00	35.32 -1.59 0.00	67.44 -2.21 0.00	72.73 -2.20 0.00	85.51 -2.78 0.00	57.44 -1.94 0.00	48.36 -2.08 0.00	39.08 -1.67 0.00	37.55 -1.49 0.00
SOUTH CAIRO___GT 23612	49.96 3.61 0.00	46.24 3.29 0.00	40.86 2.92 0.00	45.53 3.25 0.00	44.24 3.25 0.00	59.52 4.45 0.00	57.01 4.35 0.00	46.65 3.47 0.00	40.03 3.03 0.00	38.77 2.67 0.00	38.82 2.10 0.00	33.53 1.84 0.00	38.99 2.06 0.00	34.82 1.87 0.00	38.03 2.08 0.00	35.62 2.09 0.00	39.70 2.79 0.00	75.72 6.06 0.00	81.88 6.94 0.00	96.50 8.21 0.00	64.83 5.44 0.00	54.91 4.47 0.00	44.24 3.49 0.00	42.29 3.25 0.00
SOUTH HAMPTN___IC 23720	48.30 1.95 0.00	44.32 1.37 0.00	39.16 1.22 0.00	43.85 1.57 0.00	43.15 2.16 0.00	59.16 4.09 0.00	56.52 3.86 0.00	46.36 3.18 0.00	38.94 1.94 0.00	37.24 1.15 0.00	38.22 1.50 0.00	32.46 0.77 0.00	37.66 0.73 0.00	33.68 0.73 0.00	36.94 0.99 0.00	34.83 1.30 0.00	38.94 2.03 0.00	72.67 3.01 0.00	78.32 3.38 0.00	92.30 4.01 0.00	62.17 2.79 0.00	53.28 2.84 0.00	42.66 1.91 0.00	40.75 1.71 0.00
SOUTHDOW_115KV_TB1 355954	45.04 -1.31 0.00	41.27 -1.59 0.08	34.50 -1.97 1.47	39.68 -1.67 0.93	38.96 -1.96 0.07	51.89 -1.50 1.67	48.87 -1.44 2.35	39.71 -1.56 1.91	34.18 -1.14 1.68	33.91 -0.68 1.50	34.33 -0.91 1.48	29.68 -0.67 1.35	34.41 -1.03 1.48	30.24 -1.27 1.44	32.79 -1.63 1.53	30.83 -1.30 1.40	33.87 -1.51 1.54	64.94 -1.96 2.75	70.29 -1.74 2.91	82.91 -2.10 3.28	56.89 -1.09 1.41	48.10 -1.93 0.41	39.19 -1.56 0.00	37.59 -1.45 0.00
SOUTHOLD_69_KV_BK 2 55809	48.57 2.22 0.00	44.33 1.38 0.00	39.06 1.12 0.00	44.09 1.82 0.00	43.47 2.48 0.00	59.96 4.90 0.00	57.28 4.63 0.00	46.82 3.64 0.00	39.08 2.08 0.00	36.93 0.83 0.00	37.84 1.12 0.00	32.09 0.40 0.00	37.22 0.29 0.00	33.28 0.33 0.00	36.53 0.58 0.00	34.50 0.97 0.00	38.60 1.69 0.00	72.16 2.50 0.00	77.88 2.94 0.00	91.78 3.49 0.00	61.80 2.41 0.00	52.91 2.47 0.00	42.35 1.61 0.00	40.42 1.38 0.00
SOUTHOLD___IC 23719	48.57 2.22 0.00	44.33 1.38 0.00	39.04 1.11 0.00	44.09 1.81 0.00	43.47 2.48 0.00	59.96 4.90 0.00	57.28 4.63 0.00	46.81 3.63 0.00	39.07 2.08 0.00	36.91 0.81 0.00	37.83 1.11 0.00	32.08 0.39 0.00	37.22 0.29 0.00	33.28 0.33 0.00	36.52 0.57 0.00	34.49 0.96 0.00	38.59 1.68 0.00	72.15 2.49 0.00	77.88 2.94 0.00	91.78 3.49 0.00	61.79 2.41 0.00	52.91 2.47 0.00	42.35 1.61 0.00	40.42 1.38 0.00
SOUTH_FORK_WT_PWR 323839	48.28 1.93 0.00	43.91 0.96 0.00	38.61 0.67 0.00	43.83 1.56 0.00	43.28 2.29 0.00	59.99 4.93 0.00	57.31 4.65 0.00	46.69 3.52 0.00	38.78 1.79 0.00	36.31 0.21 0.00	37.22 0.50 0.00	31.55 -0.14 0.00	36.61 -0.32 0.00	32.74 -0.21 0.00	35.93 -0.02 0.00	33.95 0.42 0.00	37.96 1.04 0.00	70.94 1.29 0.00	76.59 1.65 0.00	90.26 1.98 0.00	60.79 1.40 0.00	52.08 1.63 0.00	41.67 0.92 0.00	39.75 0.71 0.00
SPIERFLS_115KV_TB 1 80737	49.81 3.46 0.00	46.21 3.26 0.00	40.81 2.87 0.00	45.43 3.15 0.00	44.16 3.17 0.00	59.53 4.46 0.00	57.01 4.35 0.00	46.65 3.47 0.00	39.91 2.91 0.00	38.62 2.53 0.00	39.04 2.32 0.00	33.74 2.05 0.00	39.30 2.37 0.00	35.03 2.08 0.00	38.40 2.45 0.00	36.03 2.50 0.00	39.81 2.89 0.00	75.25 5.59 0.00	80.97 6.04 0.00	95.59 7.30 0.00	64.20 4.81 0.00	54.31 3.87 0.00	43.75 3.00 0.00	41.99 2.95 0.00
ST LAWRENCE____ 23600	46.59 0.23 0.00	43.18 0.23 0.00	38.08 0.14 0.00	42.34 0.07 0.00	41.00 0.01 0.00	55.05 -0.02 0.00	52.58 -0.07 0.00	44.31 -0.10 -1.22	38.27 -0.21 -1.48	38.61 -0.26 -2.77	42.89 -0.24 -6.41	40.76 -0.20 -9.27	46.82 -0.26 -10.14	42.15 -0.27 -9.46	45.42 -0.32 -9.79	42.80 -0.27 -9.54	46.71 -0.33 -10.12	85.46 -0.15 -15.96	91.87 -0.01 -16.94	107.43 -0.14 -19.28	73.47 -0.07 -14.16	62.62 0.07 -12.10	45.40 0.10 -4.54	39.22 0.12 -0.07
STATE_CA_115KV_115_LB 55624	48.04 1.69 0.00	44.51 1.56 0.00	39.37 1.43 0.00	43.84 1.57 0.00	42.60 1.61 0.00	57.22 2.15 0.00	54.73 2.07 0.00	44.87 1.69 0.00	38.57 1.57 0.00	37.59 1.49 0.00	38.29 1.57 0.00	33.06 1.37 0.00	38.53 1.60 0.00	34.42 1.47 0.00	37.62 1.67 0.00	35.14 1.62 0.00	38.79 1.87 0.00	72.78 3.12 0.00	78.04 3.10 0.00	92.11 3.82 0.00	61.97 2.58 0.00	52.64 2.20 0.00	42.51 1.76 0.00	40.69 1.64 0.00

STATE_ST_34_KV_LOAD 55959	45.91 -0.44 0.00	42.44 -0.50 0.00	37.36 -0.58 0.00	41.84 -0.43 0.00	40.51 -0.48 0.00	54.60 -0.47 0.00	52.29 -0.37 0.00	42.91 -0.27 0.00	36.71 -0.29 0.00	35.68 -0.41 0.00	36.04 -0.68 0.00	31.04 -0.65 0.00	36.27 -0.66 0.00	32.26 -0.69 0.00	35.18 -0.77 0.00	32.80 -0.72 0.00	36.06 -0.85 0.00	68.87 -0.79 0.00	74.18 -0.75 0.00	87.62 -0.67 0.00	58.95 -0.44 0.00	49.62 -0.82 0.00	40.12 -0.63 0.00	38.48 -0.56 0.00
STATION 5_MISC_HYD 23604	44.20 -2.15 0.00	40.93 -2.02 0.00	36.03 -1.91 0.00	40.30 -1.98 0.00	38.89 -2.10 0.00	52.68 -2.39 0.00	50.40 -2.25 0.00	41.37 -1.81 0.00	35.35 -1.65 0.00	34.62 -1.47 0.00	34.97 -1.74 0.00	30.15 -1.54 0.00	35.13 -1.80 0.00	31.26 -1.69 0.00	34.05 -1.90 0.00	31.90 -1.62 0.00	35.20 -1.72 0.00	66.88 -2.78 0.00	72.17 -2.77 0.00	84.72 -3.57 0.00	56.87 -2.52 0.00	47.82 -2.62 0.00	38.73 -2.02 0.00	37.26 -1.78 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	45.23 -1.13 0.00	41.84 -1.10 0.00	36.85 -1.10 0.00	41.18 -1.10 0.00	39.80 -1.19 0.00	53.77 -1.30 0.00	51.51 -1.15 0.00	42.32 -0.85 0.00	36.24 -0.76 0.00	35.35 -0.74 0.00	35.67 -1.05 0.00	30.62 -1.07 0.00	35.81 -1.12 0.00	31.84 -1.11 0.00	34.65 -1.30 0.00	32.43 -1.10 0.00	35.83 -1.09 0.00	68.33 -1.33 0.00	73.75 -1.19 0.00	86.69 -1.60 0.00	58.26 -1.13 0.00	49.07 -1.38 0.00	39.62 -1.13 0.00	38.01 -1.03 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	44.06 -2.30 0.00	40.78 -2.16 0.00	35.91 -2.03 0.00	40.16 -2.12 0.00	38.77 -2.22 0.00	52.49 -2.58 0.00	50.20 -2.46 0.00	41.22 -1.96 0.00	35.22 -1.78 0.00	34.46 -1.64 0.00	34.83 -1.89 0.00	30.03 -1.67 0.00	34.99 -1.94 0.00	31.13 -1.82 0.00	33.91 -2.04 0.00	31.77 -1.76 0.00	35.03 -1.88 0.00	66.65 -3.01 0.00	71.88 -3.05 0.00	84.38 -3.91 0.00	56.70 -2.69 0.00	47.69 -2.75 0.00	38.59 -2.15 0.00	37.13 -1.92 0.00
STA_56___34_KV_BUS2 355983	44.06 -2.30 0.00	40.78 -2.16 0.00	35.91 -2.03 0.00	40.16 -2.12 0.00	38.77 -2.22 0.00	52.49 -2.58 0.00	50.20 -2.46 0.00	41.22 -1.96 0.00	35.22 -1.78 0.00	34.46 -1.64 0.00	34.83 -1.89 0.00	30.03 -1.67 0.00	34.99 -1.94 0.00	31.13 -1.82 0.00	33.91 -2.04 0.00	31.77 -1.76 0.00	35.03 -1.88 0.00	66.65 -3.01 0.00	71.88 -3.05 0.00	84.38 -3.91 0.00	56.70 -2.69 0.00	47.69 -2.75 0.00	38.59 -2.15 0.00	37.13 -1.92 0.00
STA_67___115KV_BK2 355882	44.10 -2.25 0.00	40.83 -2.12 0.00	35.93 -2.01 0.00	40.20 -2.08 0.00	38.80 -2.19 0.00	52.54 -2.53 0.00	50.25 -2.41 0.00	41.24 -1.93 0.00	35.23 -1.77 0.00	34.48 -1.61 0.00	34.86 -1.86 0.00	30.08 -1.61 0.00	35.02 -1.91 0.00	31.16 -1.79 0.00	33.94 -2.01 0.00	31.80 -1.73 0.00	35.05 -1.87 0.00	66.65 -3.00 0.00	71.92 -3.01 0.00	84.42 -3.87 0.00	56.73 -2.66 0.00	47.73 -2.72 0.00	38.63 -2.12 0.00	37.17 -1.87 0.00
STA_7___115KV_9TRANS 80674	44.44 -1.91 0.00	41.15 -1.79 0.00	36.19 -1.75 0.00	40.50 -1.78 0.00	39.09 -1.90 0.00	52.95 -2.12 0.00	50.65 -2.01 0.00	41.59 -1.59 0.00	35.51 -1.49 0.00	34.75 -1.34 0.00	35.12 -1.59 0.00	30.25 -1.43 0.00	35.28 -1.65 0.00	31.38 -1.57 0.00	34.19 -1.76 0.00	32.05 -1.48 0.00	35.35 -1.57 0.00	67.29 -2.37 0.00	72.62 -2.32 0.00	85.24 -3.05 0.00	57.27 -2.12 0.00	48.15 -2.30 0.00	38.97 -1.78 0.00	37.48 -1.56 0.00
STA_82___115KV_TB1 80780	44.11 -2.25 0.00	40.84 -2.11 0.00	35.94 -2.00 0.00	40.21 -2.07 0.00	38.80 -2.19 0.00	52.54 -2.53 0.00	50.25 -2.41 0.00	41.26 -1.92 0.00	35.23 -1.77 0.00	34.49 -1.61 0.00	34.86 -1.86 0.00	30.08 -1.61 0.00	35.02 -1.91 0.00	31.15 -1.80 0.00	33.94 -2.02 0.00	31.80 -1.73 0.00	35.04 -1.88 0.00	66.67 -2.99 0.00	71.94 -2.99 0.00	84.44 -3.85 0.00	56.74 -2.65 0.00	47.73 -2.72 0.00	38.64 -2.11 0.00	37.18 -1.86 0.00
STEEL___WIND 323596	43.61 -2.74 0.00	40.06 -2.64 0.24	30.95 -2.71 4.28	36.80 -2.77 2.70	37.88 -2.90 0.21	46.90 -3.30 4.87	42.60 -3.22 6.83	34.96 -2.65 5.57	29.76 -2.34 4.90	29.74 -1.99 4.37	30.12 -2.30 4.30	26.00 -1.77 3.92	30.32 -2.29 4.32	26.58 -2.17 4.21	29.06 -2.44 4.45	27.40 -2.05 4.08	30.15 -2.29 4.48	57.70 -3.94 8.01	62.49 -3.98 8.47	73.53 -5.20 9.56	51.87 -3.42 4.10	45.70 -3.56 1.19	38.11 -2.64 0.00	36.78 -2.26 0.00
STEPHTWN_115KV_BK_2 55603	48.29 1.94 0.00	44.71 1.76 0.00	39.48 1.54 0.00	43.97 1.69 0.00	42.74 1.76 0.00	57.50 2.43 0.00	54.95 2.29 0.00	45.06 1.88 0.00	38.74 1.74 0.00	37.78 1.68 0.00	38.39 1.67 0.00	33.17 1.48 0.00	38.64 1.71 0.00	34.48 1.53 0.00	37.66 1.72 0.00	35.24 1.71 0.00	38.98 2.06 0.00	73.39 3.73 0.00	78.71 3.78 0.00	92.85 4.56 0.00	62.43 3.05 0.00	52.98 2.54 0.00	42.73 1.98 0.00	40.87 1.83 0.00
STEUBEN_REC_LFGE 323667	43.63 -2.72 0.00	41.40 -2.46 -0.92	51.37 -2.93 -16.36	49.09 -3.51 -10.33	37.83 -3.94 -0.79	68.60 -5.07 -18.60	74.24 -4.53 -26.11	60.84 -3.63 -21.30	52.54 -3.18 -18.72	49.67 -3.13 -16.70	49.52 -3.65 -16.45	43.51 -3.16 -14.98	49.60 -3.84 -16.50	45.43 -3.59 -16.07	48.94 -4.02 -17.01	45.32 -3.79 -15.58	50.21 -3.83 -17.13	94.40 -5.88 -30.62	102.11 -5.19 -32.36	118.99 -5.84 -36.54	71.31 -3.75 -15.67	51.24 -3.74 -4.54	37.81 -2.94 0.00	36.28 -2.76 0.00
STILLWATER___SOLAR 323814	48.70 2.35 0.00	45.13 2.19 0.00	39.89 1.95 0.00	44.39 2.12 0.00	43.16 2.17 0.00	58.04 2.98 0.00	55.57 2.91 0.00	45.48 2.30 0.00	38.98 1.97 0.00	37.79 1.70 0.00	38.39 1.67 0.00	33.20 1.51 0.00	38.73 1.80 0.00	34.54 1.59 0.00	37.80 1.85 0.00	35.37 1.84 0.00	39.11 2.20 0.00	73.75 4.09 0.00	79.16 4.23 0.00	93.42 5.13 0.00	62.82 3.43 0.00	53.26 2.82 0.00	42.97 2.22 0.00	41.17 2.13 0.00
STONY___BROOK 24151	48.37 2.02 0.00	44.55 1.61 0.00	39.41 1.47 0.00	43.91 1.63 0.00	42.97 1.98 0.00	58.30 3.23 0.00	55.73 3.08 0.00	45.88 2.70 0.00	39.03 2.03 0.00	37.72 1.62 0.00	38.80 2.08 0.00	32.99 1.30 0.00	38.29 1.36 0.00	34.25 1.30 0.00	37.54 1.60 0.00	35.32 1.80 0.00	39.34 2.43 0.00	73.48 3.82 0.00	79.03 4.09 0.00	93.16 4.87 0.00	62.77 3.38 0.00	53.63 3.19 0.00	43.07 2.32 0.00	41.19 2.15 0.00
STURGEON_POOL_HYD 23609	47.67 1.32 0.00	44.11 1.16 0.00	39.05 1.11 0.00	43.52 1.24 0.00	42.27 1.28 0.00	56.72 1.65 0.00	54.34 1.69 0.00	44.66 1.49 0.00	38.40 1.40 0.00	37.57 1.48 0.00	38.30 1.58 0.00	32.91 1.23 0.00	38.39 1.47 0.00	34.32 1.37 0.00	37.51 1.56 0.00	35.04 1.51 0.00	38.62 1.71 0.00	72.44 2.78 0.00	77.91 2.97 0.00	91.88 3.59 0.00	61.88 2.50 0.00	52.57 2.13 0.00	42.40 1.65 0.00	40.54 1.50 0.00
ST_LAW_115_BK7_LBMP 345037	46.68 0.33 0.00	43.26 0.32 0.00	38.15 0.21 0.00	42.42 0.14 0.00	41.08 0.09 0.00	55.13 0.06 0.00	52.65 0.00 0.00	44.56 -0.05 -1.44	38.58 -0.19 -1.76	39.10 -0.25 -3.25	43.86 -0.24 -7.39	42.16 -0.21 -10.68	48.34 -0.27 -11.68	43.57 -0.28 -10.90	46.91 -0.34 -11.30	44.22 -0.29 -10.98	48.23 -0.34 -11.66	87.91 -0.12 -18.38	94.49 0.04 -19.51	110.42 -0.07 -22.20	75.67 -0.03 -16.30	64.51 0.13 -13.94	46.17 0.17 -5.25	39.32 0.20 -0.08

ST_LAW_115_BK8_LBMP 345038	46.68 0.33 0.00	43.26 0.32 0.00	38.15 0.21 0.00	42.42 0.14 0.00	41.08 0.09 0.00	55.13 0.06 0.00	52.65 0.00 0.00	44.56 -0.05 -1.44	38.58 -0.19 -1.76	39.10 -0.25 -3.25	43.86 -0.24 -7.39	42.16 -0.21 -10.68	48.34 -0.27 -11.68	43.57 -0.28 -10.90	46.91 -0.34 -11.30	44.22 -0.29 -10.98	48.23 -0.34 -11.66	87.91 -0.12 -18.38	94.49 0.04 -19.51	110.42 -0.07 -22.20	75.67 -0.03 -16.30	64.51 0.13 -13.94	46.17 0.17 -5.25	39.32 0.20 -0.08
ST_LAW_230_BK5_LBMP 345035	46.59 0.23 0.00	43.18 0.23 0.00	38.08 0.14 0.00	42.34 0.07 0.00	41.00 0.01 0.00	55.05 -0.02 0.00	52.58 -0.07 0.00	43.79 -0.10 -0.70	37.66 -0.21 -0.86	37.43 -0.26 -1.59	40.10 -0.24 -3.62	36.72 -0.20 -5.24	42.40 -0.26 -5.73	38.03 -0.27 -5.34	41.10 -0.32 -5.47	38.65 -0.27 -5.39	42.30 -0.33 -5.72	78.52 -0.15 -9.01	84.50 -0.01 -9.57	99.04 -0.14 -10.89	67.31 -0.07 -8.00	57.35 0.07 -6.83	43.43 0.10 -2.58	39.20 0.12 -0.04
ST_LAW_230_BK6_LBMP 345036	46.59 0.23 0.00	43.18 0.23 0.00	38.08 0.14 0.00	42.34 0.07 0.00	41.00 0.01 0.00	55.05 -0.02 0.00	52.58 -0.07 0.00	43.79 -0.10 -0.70	37.66 -0.21 -0.86	37.43 -0.26 -1.59	40.10 -0.24 -3.62	36.72 -0.20 -5.24	42.40 -0.26 -5.73	38.03 -0.27 -5.34	41.10 -0.32 -5.47	38.65 -0.27 -5.39	42.30 -0.33 -5.72	78.52 -0.15 -9.01	84.50 -0.01 -9.57	99.04 -0.14 -10.89	67.31 -0.07 -8.00	57.35 0.07 -6.83	43.43 0.10 -2.58	39.20 0.12 -0.04
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	47.27 0.91 0.00	43.75 0.80 0.00	38.70 0.76 0.00	43.15 0.87 0.00	41.88 0.89 0.00	56.21 1.14 0.00	53.87 1.21 0.00	44.27 1.09 0.00	38.02 1.02 0.00	37.23 1.14 0.00	37.99 1.27 0.00	32.65 0.96 0.00	38.08 1.15 0.00	34.05 1.10 0.00	37.19 1.24 0.00	34.71 1.19 0.00	38.27 1.36 0.00	71.76 2.11 0.00	77.18 2.24 0.00	90.91 2.62 0.00	61.24 1.85 0.00	52.05 1.61 0.00	42.00 1.25 0.00	40.18 1.14 0.00
SWANROAD_115KV_TB1 355699	41.87 -4.48 0.00	38.49 -4.14 0.32	28.23 -4.02 5.69	34.45 -4.24 3.59	36.41 -4.31 0.27	43.25 -5.34 6.47	38.31 -5.27 9.08	31.52 -4.26 7.41	26.68 -3.81 6.51	26.76 -3.53 5.81	27.18 -3.81 5.72	23.53 -2.95 5.21	27.42 -3.77 5.74	23.82 -3.54 5.59	26.12 -3.92 5.92	24.73 -3.38 5.42	27.18 -3.78 5.96	52.30 -6.71 10.65	56.69 -6.99 11.25	66.84 -8.75 12.70	48.12 -5.82 5.45	43.34 -5.52 1.58	36.68 -4.07 0.00	35.44 -3.60 0.00
SYNERGY___BIOGAS 323694	44.27 -2.08 0.00	40.74 -1.98 0.23	31.89 -1.99 4.06	37.71 -2.01 2.56	38.61 -2.18 0.19	48.11 -2.34 4.61	43.97 -2.21 6.48	36.12 -1.78 5.28	30.60 -1.75 4.65	30.29 -1.66 4.14	30.45 -2.19 4.08	26.88 -1.09 3.72	30.64 -2.20 4.10	26.69 -2.28 3.99	29.25 -2.48 4.22	27.61 -2.05 3.87	30.63 -2.04 4.25	59.18 -2.88 7.60	64.46 -2.45 8.03	75.97 -3.26 9.07	53.18 -2.32 3.89	46.70 -2.62 1.13	38.86 -1.89 0.00	37.42 -1.62 0.00
SYRACUSE___ENERGY_ST1 323597	45.53 -0.82 0.00	42.13 -0.81 0.00	37.19 -0.75 0.00	41.57 -0.72 0.00	40.25 -0.74 0.00	54.19 -0.88 0.00	51.89 -0.77 0.00	42.57 -0.60 0.00	36.44 -0.56 0.00	35.55 -0.55 0.00	36.03 -0.68 0.00	31.10 -0.59 0.00	36.26 -0.67 0.00	32.31 -0.64 0.00	35.21 -0.74 0.00	32.79 -0.74 0.00	36.09 -0.83 0.00	68.41 -1.25 0.00	73.72 -1.22 0.00	86.79 -1.50 0.00	58.36 -1.02 0.00	49.33 -1.12 0.00	39.83 -0.92 0.00	38.17 -0.87 0.00
SYRACUSE___ENERGY_ST2 323598	45.53 -0.82 0.00	42.13 -0.81 0.00	37.19 -0.75 0.00	41.57 -0.72 0.00	40.25 -0.74 0.00	54.19 -0.88 0.00	51.89 -0.77 0.00	42.57 -0.60 0.00	36.44 -0.56 0.00	35.55 -0.55 0.00	36.03 -0.68 0.00	31.10 -0.59 0.00	36.26 -0.67 0.00	32.31 -0.64 0.00	35.21 -0.74 0.00	32.79 -0.74 0.00	36.09 -0.83 0.00	68.41 -1.25 0.00	73.72 -1.22 0.00	86.79 -1.50 0.00	58.36 -1.02 0.00	49.33 -1.12 0.00	39.83 -0.92 0.00	38.17 -0.87 0.00
SYRACUSE___POWER 24017	45.50 -0.85 0.00	42.10 -0.84 0.00	37.18 -0.76 0.00	41.53 -0.75 0.00	40.22 -0.77 0.00	54.15 -0.91 0.00	51.86 -0.80 0.00	42.54 -0.65 0.00	36.42 -0.57 0.00	35.55 -0.54 0.00	36.04 -0.68 0.00	31.10 -0.59 0.00	36.25 -0.68 0.00	32.31 -0.64 0.00	35.20 -0.75 0.00	32.79 -0.74 0.00	36.09 -0.83 0.00	68.40 -1.26 0.00	73.77 -1.17 0.00	86.80 -1.49 0.00	58.36 -1.03 0.00	49.35 -1.09 0.00	39.83 -0.92 0.00	38.16 -0.88 0.00
TALLMAN___138KV_BK151 55660	47.27 0.91 0.00	43.74 0.80 0.00	38.70 0.76 0.00	43.17 0.89 0.00	41.89 0.90 0.00	56.23 1.16 0.00	53.87 1.22 0.00	44.29 1.11 0.00	38.06 1.06 0.00	37.30 1.21 0.00	38.12 1.40 0.00	32.74 1.06 0.00	38.18 1.25 0.00	34.15 1.20 0.00	37.31 1.36 0.00	34.81 1.29 0.00	38.34 1.43 0.00	71.82 2.17 0.00	77.23 2.29 0.00	90.93 2.65 0.00	61.28 1.89 0.00	52.10 1.65 0.00	42.03 1.29 0.00	40.22 1.18 0.00
TEALLAVE_115KV_TB7 355573	45.22 -1.14 0.00	41.83 -1.11 0.00	36.95 -0.98 0.00	41.28 -0.99 0.00	39.99 -1.00 0.00	53.83 -1.24 0.00	51.53 -1.13 0.00	42.27 -0.91 0.00	36.21 -0.80 0.00	35.36 -0.74 0.00	35.85 -0.86 0.00	30.94 -0.75 0.00	36.07 -0.86 0.00	32.15 -0.80 0.00	35.03 -0.92 0.00	32.62 -0.90 0.00	35.90 -1.01 0.00	67.94 -1.72 0.00	73.24 -1.70 0.00	86.17 -2.12 0.00	57.95 -1.44 0.00	49.01 -1.44 0.00	39.56 -1.19 0.00	37.91 -1.13 0.00
TELGRAPH_34_KV_EAST 80808	43.08 -3.27 0.00	39.61 -3.05 0.29	29.70 -3.00 5.24	35.85 -3.12 3.31	37.50 -3.24 0.25	45.29 -3.83 5.95	40.55 -3.75 8.36	33.36 -3.00 6.82	28.25 -2.76 5.99	28.18 -2.57 5.34	28.55 -2.90 5.26	25.10 -1.79 4.80	28.79 -2.86 5.28	25.00 -2.81 5.14	27.39 -3.12 5.45	25.89 -2.65 4.99	28.55 -2.89 5.48	55.14 -4.72 9.80	59.86 -4.72 10.35	70.57 -6.03 11.69	50.32 -4.06 5.01	44.96 -4.03 1.45	37.76 -2.99 0.00	36.44 -2.60 0.00
TEMPLE___115KV_TB 2 55572	45.24 -1.11 0.00	41.86 -1.09 0.00	36.97 -0.97 0.00	41.29 -0.98 0.00	40.00 -0.99 0.00	53.85 -1.22 0.00	51.55 -1.11 0.00	42.28 -0.90 0.00	36.21 -0.79 0.00	35.37 -0.72 0.00	35.87 -0.85 0.00	30.96 -0.73 0.00	36.09 -0.84 0.00	32.17 -0.78 0.00	35.04 -0.91 0.00	32.64 -0.88 0.00	35.91 -1.00 0.00	67.98 -1.68 0.00	73.26 -1.67 0.00	86.25 -2.04 0.00	57.97 -1.42 0.00	49.03 -1.42 0.00	39.57 -1.18 0.00	37.92 -1.12 0.00
TIANA____69_KV_BK 1 55817	48.27 1.92 0.00	44.34 1.39 0.00	39.22 1.28 0.00	43.84 1.56 0.00	43.10 2.12 0.00	58.99 3.93 0.00	56.36 3.70 0.00	46.30 3.11 0.00	38.95 1.95 0.00	37.37 1.28 0.00	38.34 1.62 0.00	32.58 0.89 0.00	37.80 0.87 0.00	33.79 0.84 0.00	37.07 1.12 0.00	34.94 1.41 0.00	39.06 2.15 0.00	72.88 3.22 0.00	78.51 3.58 0.00	92.57 4.29 0.00	62.33 2.94 0.00	53.42 2.97 0.00	42.76 2.02 0.00	40.86 1.82 0.00
TILDEN___115KV_TB1 80814	45.50 -0.85 0.00	42.10 -0.84 0.00	37.18 -0.76 0.00	41.53 -0.75 0.00	40.22 -0.77 0.00	54.15 -0.91 0.00	51.86 -0.80 0.00	42.54 -0.65 0.00	36.42 -0.57 0.00	35.55 -0.54 0.00	36.04 -0.68 0.00	31.10 -0.59 0.00	36.25 -0.68 0.00	32.31 -0.64 0.00	35.20 -0.75 0.00	32.79 -0.74 0.00	36.09 -0.83 0.00	68.40 -1.26 0.00	73.77 -1.17 0.00	86.80 -1.49 0.00	58.36 -1.03 0.00	49.35 -1.09 0.00	39.83 -0.92 0.00	38.16 -0.88 0.00

TRIGEN___CC 323695	48.17 1.82 0.00	44.47 1.52 0.00	39.36 1.42 0.00	43.83 1.56 0.00	42.68 1.70 0.00	57.49 2.42 0.00	55.03 2.37 0.00	45.29 2.11 0.00	38.84 1.84 0.00	37.83 1.73 0.00	38.86 2.14 0.00	33.21 1.53 0.00	38.66 1.73 0.00	34.55 1.60 0.00	37.83 1.88 0.00	35.44 1.91 0.00	39.19 2.27 0.00	73.19 3.53 0.00	78.58 3.64 0.00	92.68 4.39 0.00	62.50 3.11 0.00	53.26 2.81 0.00	42.90 2.16 0.00	41.03 1.99 0.00
TRINITY___115KV___4 BK 55933	47.89 1.54 0.00	44.38 1.43 0.00	39.27 1.32 0.00	43.71 1.44 0.00	42.48 1.49 0.00	57.05 1.98 0.00	54.55 1.89 0.00	44.72 1.55 0.00	38.47 1.47 0.00	37.50 1.40 0.00	38.20 1.48 0.00	32.99 1.30 0.00	38.43 1.50 0.00	34.34 1.39 0.00	37.53 1.58 0.00	35.06 1.54 0.00	38.66 1.75 0.00	72.46 2.81 0.00	77.67 2.74 0.00	91.75 3.47 0.00	61.72 2.34 0.00	52.45 2.01 0.00	42.37 1.62 0.00	40.56 1.52 0.00
UNION___PROCESSING_DRP 323587	44.11 -2.25 0.00	40.85 -2.10 0.00	35.94 -2.00 0.00	40.21 -2.07 0.00	38.81 -2.18 0.00	52.56 -2.51 0.00	50.26 -2.40 0.00	41.27 -1.91 0.00	35.25 -1.75 0.00	34.49 -1.60 0.00	34.86 -1.86 0.00	30.08 -1.61 0.00	35.02 -1.91 0.00	31.16 -1.80 0.00	33.94 -2.01 0.00	31.80 -1.73 0.00	35.05 -1.87 0.00	66.69 -2.97 0.00	71.97 -2.96 0.00	84.46 -3.83 0.00	56.76 -2.63 0.00	47.73 -2.71 0.00	38.64 -2.11 0.00	37.18 -1.86 0.00
UPPER HUDSON___HYD 24058	49.81 3.46 0.00	46.21 3.26 0.00	40.81 2.87 0.00	45.43 3.15 0.00	44.16 3.17 0.00	59.52 4.45 0.00	57.00 4.35 0.00	46.64 3.46 0.00	39.91 2.92 0.00	38.62 2.53 0.00	39.04 2.33 0.00	33.74 2.05 0.00	39.30 2.37 0.00	35.03 2.08 0.00	38.40 2.45 0.00	36.03 2.50 0.00	39.81 2.89 0.00	75.24 5.59 0.00	80.97 6.04 0.00	95.57 7.28 0.00	64.20 4.81 0.00	54.31 3.87 0.00	43.75 3.00 0.00	41.99 2.95 0.00
UPPER RAQUET___HYD 24056	46.98 0.62 0.00	43.55 0.60 0.00	38.40 0.46 0.00	42.69 0.41 0.00	41.46 0.47 0.00	55.21 0.15 0.00	52.52 -0.14 0.00	47.27 -0.23 -4.32	41.72 -0.59 -5.31	45.09 -0.77 -9.77	58.12 -0.81 -22.21	63.08 -0.71 -32.10	71.18 -0.87 -35.12	64.98 -0.73 -32.76	69.36 -0.84 -34.25	65.79 -0.75 -33.02	71.09 -0.86 -35.04	124.46 -0.44 -55.24	133.75 0.16 -58.65	155.07 0.04 -66.74	108.63 0.22 -49.02	92.93 0.59 -41.89	57.03 0.49 -15.79	39.78 0.49 -0.25
VALLEY44_115KV_TB2 355964	44.94 -1.42 0.00	41.37 -1.57 0.00	36.02 -1.92 0.00	40.58 -1.70 0.00	39.14 -1.85 0.00	53.02 -2.04 0.00	50.50 -2.16 0.00	41.21 -1.98 0.00	35.37 -1.63 0.00	34.75 -1.35 0.00	35.05 -1.67 0.00	30.59 -1.10 0.00	35.63 -1.30 0.00	31.74 -1.21 0.00	34.50 -1.45 0.00	32.23 -1.30 0.00	35.41 -1.50 0.00	67.27 -2.38 0.00	72.32 -2.62 0.00	84.77 -3.52 0.00	57.17 -2.22 0.00	47.99 -2.46 0.00	39.06 -1.68 0.00	37.71 -1.33 0.00
VALLEY___115KV_TB 1-4 80826	46.64 0.29 0.00	43.36 0.41 0.00	38.37 0.43 0.00	42.45 0.17 0.00	41.31 0.32 0.00	55.49 0.42 0.00	53.05 0.40 0.00	43.41 0.22 0.00	37.14 0.14 0.00	35.77 -0.32 0.00	36.40 -0.32 0.00	31.44 -0.25 0.00	36.67 -0.26 0.00	32.82 -0.13 0.00	35.92 -0.04 -0.01	33.58 0.05 0.00	37.34 0.43 0.00	70.48 0.82 0.00	75.69 0.75 0.00	89.40 1.11 0.00	60.19 0.80 0.00	51.22 0.78 0.00	41.27 0.52 0.00	39.48 0.44 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	48.69 2.34 0.00	45.01 2.07 0.00	39.73 1.79 0.00	44.35 2.08 0.00	42.97 1.98 0.00	57.80 2.73 0.00	55.38 2.72 0.00	45.44 2.26 0.00	38.97 1.98 0.00	38.15 2.06 0.00	38.75 2.04 0.00	33.43 1.74 0.00	38.90 1.97 0.00	34.67 1.72 0.00	37.82 1.88 0.00	35.32 1.80 0.00	39.11 2.20 0.00	73.94 4.28 0.00	79.42 4.48 0.00	93.49 5.21 0.00	62.93 3.54 0.00	53.29 2.85 0.00	42.97 2.22 0.00	41.08 2.03 0.00
VISCHER___FERRY HYD 24020	48.00 1.65 0.00	44.50 1.55 0.00	39.35 1.41 0.00	43.79 1.51 0.00	42.59 1.60 0.00	57.20 2.13 0.00	54.72 2.06 0.00	44.83 1.65 0.00	38.53 1.53 0.00	37.51 1.42 0.00	38.19 1.47 0.00	33.00 1.31 0.00	38.44 1.51 0.00	34.34 1.39 0.00	37.57 1.62 0.00	35.13 1.60 0.00	38.73 1.82 0.00	72.62 2.96 0.00	77.79 2.86 0.00	91.93 3.64 0.00	61.81 2.42 0.00	52.54 2.09 0.00	42.43 1.68 0.00	40.65 1.61 0.00
V_A_10_SYNC_DSASP 323832	42.87 -3.48 0.00	39.48 -3.24 0.22	30.89 -3.05 4.00	36.56 -3.19 2.52	37.44 -3.36 0.19	46.54 -3.98 4.55	42.40 -3.88 6.38	34.83 -3.14 5.21	29.63 -2.79 4.58	29.51 -2.50 4.08	29.92 -2.77 4.02	25.80 -2.23 3.66	30.18 -2.72 4.04	26.49 -2.54 3.93	28.95 -2.84 4.16	27.26 -2.45 3.81	30.01 -2.72 4.19	57.30 -4.87 7.49	61.91 -5.12 7.91	72.92 -6.44 8.93	51.13 -4.42 3.83	45.02 -4.31 1.11	37.48 -3.27 0.00	36.19 -2.85 0.00
V_CMM_10_SYNC_DSASP 323787	46.90 0.54 0.00	43.47 0.53 0.00	38.33 0.39 0.00	42.63 0.35 0.00	41.29 0.29 0.00	55.41 0.34 0.00	52.92 0.26 0.00	44.77 0.15 -1.44	38.75 -0.02 -1.76	39.27 -0.08 -3.25	44.04 -0.07 -7.39	42.31 -0.06 -10.68	48.52 -0.09 -11.68	43.72 -0.12 -10.90	47.08 -0.16 -11.30	44.39 -0.12 -10.98	48.40 -0.17 -11.66	88.25 0.22 -18.38	94.86 0.42 -19.51	110.84 0.35 -22.20	75.93 0.24 -16.30	64.74 0.36 -13.94	46.35 0.35 -5.25	39.50 0.38 -0.08
V_CMP_10_SYNC_DSASP 323788	46.71 0.35 0.00	43.49 0.54 0.00	38.10 0.16 0.00	41.74 -0.53 0.00	40.17 -0.82 0.00	54.06 -1.01 0.00	51.43 -1.23 0.00	8.59 -1.23 33.37	9.65 -1.24 26.11	-20.13 -1.29 54.94	-6.24 -1.05 41.91	-20.40 -0.95 51.14	-20.25 -1.23 55.95	-20.36 -1.12 52.19	-20.24 -1.32 54.87	-20.23 -1.16 52.60	-20.20 -1.30 55.82	-19.58 -1.24 88.00	-19.51 -1.01 93.44	-19.42 -1.40 106.32	-19.77 -1.08 78.08	-16.84 -0.54 66.74	14.97 -0.62 25.16	38.20 -0.45 0.39
V_D_10_SYNC_DSASP 323841	47.28 0.92 0.00	43.83 0.88 0.00	38.64 0.70 0.00	42.97 0.69 0.00	41.64 0.65 0.00	55.83 0.76 0.00	53.29 0.63 0.00	45.52 0.44 -1.89	39.50 0.17 -2.32	40.47 0.08 -4.29	46.56 0.09 -9.75	45.85 0.07 -14.09	52.40 0.06 -15.42	47.35 0.02 -14.38	50.89 -0.02 -14.95	48.05 0.03 -14.49	52.30 0.00 -15.38	94.60 0.70 -24.25	101.68 1.00 -25.75	118.62 1.03 -29.30	81.64 0.73 -21.52	69.63 0.80 -18.39	48.39 0.70 -6.93	39.87 0.72 -0.11
V_E_10_SYNC_DSASP 323830	48.51 2.16 0.00	44.50 1.48 -0.07	40.28 1.03 -1.31	44.64 1.54 -0.83	42.36 1.30 -0.06	57.60 1.04 -1.49	55.78 1.04 -2.09	45.58 0.70 -1.70	38.86 0.37 -1.50	37.21 -0.22 -1.33	37.61 -0.43 -1.32	32.37 -0.51 -1.20	37.65 -0.60 -1.32	33.53 -0.71 -1.29	36.43 -0.88 -1.36	34.08 -0.69 -1.24	38.06 -0.22 -1.37	73.39 1.29 -2.45	79.48 1.96 -2.59	93.53 2.32 -2.92	62.18 1.54 -1.25	51.67 0.86 -0.36	41.36 0.61 0.00	39.48 0.44 0.00
V_F_30_NSYNC___DSASP 323816	48.71 2.36 0.00	45.15 2.20 0.00	39.90 1.96 0.00	44.43 2.16 0.00	43.18 2.19 0.00	58.06 3.00 0.00	55.59 2.93 0.00	45.52 2.34 0.00	39.00 2.00 0.00	37.83 1.73 0.00	38.43 1.72 0.00	33.24 1.55 0.00	38.77 1.84 0.00	34.57 1.63 0.00	37.82 1.87 0.00	35.40 1.87 0.00	39.14 2.23 0.00	73.80 4.15 0.00	79.23 4.30 0.00	93.47 5.18 0.00	62.86 3.47 0.00	53.29 2.85 0.00	42.98 2.23 0.00	41.19 2.15 0.00

V_F_30_SYNC_DSASP 323786	48.04 1.69 0.00	44.51 1.56 0.00	39.37 1.43 0.00	43.84 1.57 0.00	42.60 1.61 0.00	57.22 2.15 0.00	54.73 2.07 0.00	44.87 1.69 0.00	38.57 1.57 0.00	37.59 1.49 0.00	38.29 1.57 0.00	33.06 1.37 0.00	38.53 1.60 0.00	34.42 1.46 0.00	37.62 1.67 0.00	35.14 1.62 0.00	38.79 1.87 0.00	72.78 3.12 0.00	78.04 3.10 0.00	92.11 3.82 0.00	61.97 2.58 0.00	52.64 2.20 0.00	42.50 1.75 0.00	40.69 1.64 0.00
V_XM_10_SYNC_DSASP 323789	46.71 0.35 0.00	43.49 0.54 0.00	38.10 0.16 0.00	41.74 -0.53 0.00	40.17 -0.82 0.00	54.06 -1.01 0.00	51.43 -1.23 0.00	8.59 -1.23 33.37	9.65 -1.24 26.11	-20.13 -1.29 54.94	-6.24 -1.05 41.91	-20.40 -0.95 51.14	-20.25 -1.23 55.95	-20.36 -1.12 52.19	-20.24 -1.32 54.87	-20.23 -1.16 52.60	-20.20 -1.30 55.82	-19.58 -1.24 88.00	-19.51 -1.01 93.44	-19.42 -1.40 106.32	-19.77 -1.08 78.08	-16.84 -0.54 66.74	14.97 -0.62 25.16	38.20 -0.45 0.39
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	47.48 1.13 0.00	43.94 0.99 0.00	38.87 0.93 0.00	43.35 1.07 0.00	42.08 1.09 0.00	56.49 1.43 0.00	54.19 1.53 0.00	44.55 1.37 0.00	38.28 1.28 0.00	37.53 1.43 0.00	38.34 1.62 0.00	32.94 1.25 0.00	38.39 1.47 0.00	34.35 1.40 0.00	37.53 1.58 0.00	35.03 1.50 0.00	38.59 1.68 0.00	72.30 2.65 0.00	77.74 2.80 0.00	91.54 3.25 0.00	61.69 2.30 0.00	52.44 2.00 0.00	42.30 1.56 0.00	40.46 1.42 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	47.72 1.37 0.00	44.11 1.16 0.00	39.14 1.20 0.00	43.58 1.31 0.00	42.34 1.35 0.00	56.77 1.70 0.00	54.42 1.77 0.00	44.83 1.65 0.00	38.63 1.63 0.00	37.89 1.80 0.00	38.79 2.07 0.00	33.29 1.60 0.00	38.83 1.90 0.00	34.71 1.76 0.00	37.92 1.97 0.00	35.41 1.88 0.00	38.95 2.04 0.00	72.69 3.03 0.00	78.12 3.18 0.00	92.13 3.84 0.00	62.12 2.73 0.00	52.80 2.35 0.00	42.59 1.85 0.00	40.72 1.68 0.00
W50THST__13_KV_LOAD 356117	47.88 1.53 0.00	44.26 1.31 0.00	39.29 1.35 0.00	43.73 1.45 0.00	42.49 1.50 0.00	56.98 1.91 0.00	54.64 1.98 0.00	45.00 1.82 0.00	38.79 1.79 0.00	38.07 1.98 0.00	38.98 2.26 0.00	33.45 1.77 0.00	39.03 2.10 0.00	34.89 1.94 0.00	38.11 2.16 0.00	35.59 2.06 0.00	39.14 2.23 0.00	72.98 3.33 0.00	78.42 3.49 0.00	92.48 4.19 0.00	62.35 2.96 0.00	52.99 2.55 0.00	42.75 2.00 0.00	40.86 1.82 0.00
WADING RIVER_IC_1 23522	47.89 1.54 0.00	44.06 1.11 0.00	38.98 1.04 0.00	43.49 1.21 0.00	42.81 1.82 0.00	58.61 3.55 0.00	55.99 3.33 0.00	46.02 2.84 0.00	38.64 1.64 0.00	37.20 1.10 0.00	38.20 1.48 0.00	32.47 0.78 0.00	37.67 0.74 0.00	33.69 0.75 0.00	36.95 1.00 0.00	34.81 1.29 0.00	38.96 2.04 0.00	72.52 2.86 0.00	78.08 3.14 0.00	92.02 3.73 0.00	61.99 2.60 0.00	53.21 2.77 0.00	42.56 1.81 0.00	40.68 1.64 0.00
WADING RIVER_IC_2 23547	47.89 1.54 0.00	44.06 1.11 0.00	38.98 1.04 0.00	43.49 1.21 0.00	42.81 1.82 0.00	58.61 3.55 0.00	55.99 3.33 0.00	46.02 2.84 0.00	38.64 1.64 0.00	37.20 1.10 0.00	38.20 1.48 0.00	32.47 0.78 0.00	37.67 0.74 0.00	33.69 0.75 0.00	36.95 1.00 0.00	34.81 1.29 0.00	38.96 2.04 0.00	72.52 2.86 0.00	78.08 3.14 0.00	92.02 3.73 0.00	61.99 2.60 0.00	53.21 2.77 0.00	42.56 1.81 0.00	40.68 1.64 0.00
WADING RIVER_IC_3 23601	47.89 1.54 0.00	44.06 1.11 0.00	38.98 1.04 0.00	43.49 1.21 0.00	42.81 1.82 0.00	58.61 3.55 0.00	55.99 3.33 0.00	46.02 2.84 0.00	38.64 1.64 0.00	37.20 1.10 0.00	38.20 1.48 0.00	32.47 0.78 0.00	37.67 0.74 0.00	33.69 0.75 0.00	36.95 1.00 0.00	34.81 1.29 0.00	38.96 2.04 0.00	72.52 2.86 0.00	78.08 3.14 0.00	92.02 3.73 0.00	61.99 2.60 0.00	53.21 2.77 0.00	42.56 1.81 0.00	40.68 1.64 0.00
WALDENNY_12_KV_BK2 80841	43.59 -2.77 0.00	40.07 -2.63 0.25	30.77 -2.74 4.43	36.68 -2.80 2.80	37.85 -2.93 0.21	46.68 -3.35 5.03	42.30 -3.29 7.07	34.72 -2.69 5.77	29.54 -2.39 5.07	29.47 -2.10 4.52	29.89 -2.37 4.45	25.83 -1.80 4.06	30.14 -2.33 4.47	26.37 -2.23 4.35	28.84 -2.51 4.60	27.22 -2.08 4.22	29.92 -2.36 4.64	57.37 -4.00 8.29	62.17 -4.01 8.76	73.17 -5.23 9.89	51.75 -3.39 4.24	45.68 -3.54 1.23	38.12 -2.62 0.00	36.80 -2.24 0.00
WALDEN__HYDRO 24148	47.60 1.25 0.00	44.04 1.10 0.00	38.98 1.04 0.00	43.44 1.16 0.00	42.17 1.18 0.00	56.62 1.55 0.00	54.26 1.60 0.00	44.58 1.40 0.00	38.29 1.29 0.00	37.43 1.34 0.00	38.20 1.48 0.00	32.82 1.13 0.00	38.27 1.34 0.00	34.22 1.27 0.00	37.39 1.44 0.00	34.92 1.40 0.00	38.51 1.60 0.00	72.32 2.66 0.00	77.82 2.88 0.00	91.71 3.42 0.00	61.76 2.37 0.00	52.47 2.03 0.00	42.33 1.58 0.00	40.47 1.43 0.00
WARRENSBURG____ 23737	49.81 3.46 0.00	46.21 3.26 0.00	40.81 2.87 0.00	45.43 3.15 0.00	44.16 3.17 0.00	59.53 4.46 0.00	57.01 4.35 0.00	46.65 3.47 0.00	39.91 2.91 0.00	38.62 2.53 0.00	39.04 2.32 0.00	33.74 2.05 0.00	39.30 2.37 0.00	35.03 2.08 0.00	38.40 2.45 0.00	36.03 2.50 0.00	39.81 2.89 0.00	75.25 5.59 0.00	80.97 6.04 0.00	95.59 7.30 0.00	64.20 4.81 0.00	54.31 3.87 0.00	43.75 3.00 0.00	41.99 2.95 0.00
WATERSIDE____6 8 9 23538	45.11 1.46 2.70	40.88 1.25 3.32	35.12 1.30 4.12	40.45 1.39 3.22	38.93 1.41 3.47	56.08 1.78 0.76	53.43 1.86 1.08	41.67 1.76 3.27	34.33 1.75 4.42	33.56 1.95 4.48	34.49 2.23 4.46	28.11 1.76 5.33	34.78 2.04 4.19	30.06 1.90 4.78	33.91 2.11 4.15	30.73 2.02 4.82	34.90 2.17 4.18	71.93 3.18 0.90	76.71 3.39 1.61	89.46 4.12 2.95	60.18 2.92 2.13	51.28 2.53 1.69	39.08 2.02 3.68	36.96 1.83 3.91
WATKINRD_115KV_LN8_ILLION 55919	46.71 0.35 0.00	43.36 0.42 0.00	38.34 0.40 0.00	42.56 0.28 0.00	41.38 0.39 0.00	55.57 0.50 0.00	53.16 0.50 0.00	43.51 0.33 0.00	37.28 0.28 0.00	36.06 -0.03 0.00	36.70 -0.02 0.00	31.70 0.01 0.00	36.96 0.03 0.00	33.04 0.09 0.00	36.13 0.17 -0.01	33.75 0.23 0.00	37.43 0.51 0.00	70.59 0.93 0.00	75.81 0.88 0.00	89.48 1.19 0.00	60.22 0.83 0.00	51.20 0.76 0.00	41.29 0.54 0.00	39.51 0.46 0.00
WATSON__69_KV_BK 1 55734	48.84 2.49 0.00	44.99 2.04 0.00	39.83 1.89 0.00	44.36 2.09 0.00	43.34 2.35 0.00	58.67 3.61 0.00	56.11 3.45 0.00	46.17 3.00 0.00	39.39 2.39 0.00	38.11 2.01 0.00	39.21 2.49 0.00	33.37 1.68 0.00	38.74 1.81 0.00	34.61 1.66 0.00	37.94 1.99 0.00	35.69 2.16 0.00	39.68 2.77 0.00	74.29 4.63 0.00	79.93 4.99 0.00	94.24 5.95 0.00	63.47 4.08 0.00	54.17 3.73 0.00	43.53 2.78 0.00	41.64 2.60 0.00
WDELAWARE__HYD 323627	48.33 1.97 0.00	44.69 1.74 0.00	39.50 1.56 0.00	44.05 1.78 0.00	42.76 1.77 0.00	57.48 2.41 0.00	55.08 2.42 0.00	45.22 2.04 0.00	38.80 1.80 0.00	37.87 1.78 0.00	38.48 1.76 0.00	33.05 1.37 0.00	38.53 1.60 0.00	34.43 1.48 0.00	37.64 1.69 0.00	35.21 1.68 0.00	38.95 2.03 0.00	73.44 3.78 0.00	79.14 4.20 0.00	93.21 4.92 0.00	62.74 3.35 0.00	53.27 2.82 0.00	42.93 2.18 0.00	41.05 2.00 0.00

WEST BABYLON___IC 23714	48.78 2.43 0.00	44.94 2.00 0.00	39.78 1.84 0.00	44.31 2.03 0.00	43.24 2.25 0.00	58.45 3.38 0.00	55.93 3.27 0.00	46.03 2.85 0.00	39.33 2.33 0.00	38.09 1.99 0.00	39.19 2.47 0.00	33.40 1.71 0.00	38.77 1.85 0.00	34.64 1.69 0.00	37.96 2.01 0.00	35.67 2.14 0.00	39.61 2.69 0.00	74.15 4.49 0.00	79.76 4.82 0.00	94.07 5.77 0.00	63.37 3.98 0.00	54.03 3.59 0.00	43.45 2.70 0.00	41.55 2.51 0.00
WEST CANADA___HYD 24049	46.56 0.21 0.00	43.16 0.21 0.00	38.16 0.22 0.00	42.49 0.21 0.00	41.22 0.23 0.00	55.35 0.28 0.00	52.92 0.26 0.00	43.38 0.20 0.00	37.19 0.19 0.00	36.25 0.15 0.00	36.89 0.18 0.00	31.85 0.16 0.00	37.11 0.19 0.00	33.14 0.19 0.00	36.18 0.22 -0.01	33.74 0.21 0.00	37.19 0.28 0.00	70.08 0.43 0.00	75.33 0.39 0.00	88.83 0.54 0.00	59.75 0.36 0.00	50.75 0.31 0.00	41.01 0.26 0.00	39.27 0.23 0.00
WESTERN_NY_WIND 24143	44.19 -2.16 0.00	40.67 -2.04 0.24	31.52 -2.07 4.35	37.41 -2.12 2.75	38.53 -2.26 0.21	47.65 -2.47 4.95	43.36 -2.36 6.94	35.63 -1.89 5.66	30.16 -1.86 4.98	29.85 -1.81 4.44	30.05 -2.30 4.37	26.60 -1.11 3.98	30.26 -2.28 4.39	26.31 -2.37 4.27	28.84 -2.59 4.52	27.25 -2.13 4.14	30.19 -2.17 4.55	58.47 -3.05 8.14	63.72 -2.62 8.60	75.07 -3.51 9.71	52.83 -2.40 4.17	46.56 -2.68 1.21	38.79 -1.96 0.00	37.36 -1.68 0.00
WESTOVER___LESR 323668	45.76 -0.59 0.00	42.29 -0.66 0.00	37.21 -0.73 0.00	41.62 -0.66 0.00	40.28 -0.71 0.00	54.21 -0.86 0.00	51.90 -0.76 0.00	42.54 -0.64 0.00	36.50 -0.50 0.00	35.68 -0.41 0.00	36.10 -0.62 0.00	31.22 -0.47 0.00	36.44 -0.49 0.00	32.49 -0.46 0.00	35.38 -0.57 0.00	32.95 -0.58 0.00	36.28 -0.63 0.00	68.80 -0.85 0.00	74.15 -0.78 0.00	87.28 -1.01 0.00	58.77 -0.62 0.00	49.65 -0.80 0.00	40.07 -0.68 0.00	38.41 -0.63 0.00
WETHRSFD_WT_PWR 323626	42.20 -4.15 0.00	36.69 -3.96 2.30	-6.97 -3.86 41.04	12.04 -4.32 25.91	34.55 -4.47 1.97	2.89 -5.51 46.66	-17.97 -5.13 65.51	-14.38 -4.14 53.42	-13.49 -3.53 46.96	-9.19 -3.40 41.89	-8.41 -3.87 41.26	-9.18 -3.29 37.58	-8.41 -3.94 41.40	-11.01 -3.65 40.32	-10.83 -4.10 42.68	-9.37 -3.81 39.09	-10.09 -4.04 42.96	-13.87 -6.70 76.83	-12.91 -6.67 81.17	-11.18 -7.81 91.66	14.74 -5.34 39.30	34.15 -4.90 11.39	36.96 -3.79 0.00	35.56 -3.48 0.00
WHAVSTOR_138KV_BK127 55557	47.30 0.94 0.00	43.77 0.82 0.00	38.73 0.79 0.00	43.18 0.91 0.00	41.92 0.93 0.00	56.26 1.20 0.00	53.92 1.26 0.00	44.33 1.15 0.00	38.09 1.09 0.00	37.32 1.23 0.00	38.15 1.44 0.00	32.77 1.08 0.00	38.21 1.28 0.00	34.18 1.23 0.00	37.34 1.39 0.00	34.85 1.32 0.00	38.38 1.46 0.00	71.87 2.21 0.00	77.26 2.33 0.00	91.00 2.71 0.00	61.32 1.94 0.00	52.14 1.69 0.00	42.07 1.32 0.00	40.24 1.20 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	47.30 0.94 0.00	43.77 0.82 0.00	38.73 0.79 0.00	43.18 0.91 0.00	41.92 0.93 0.00	56.26 1.20 0.00	53.92 1.26 0.00	44.33 1.15 0.00	38.09 1.09 0.00	37.32 1.23 0.00	38.15 1.44 0.00	32.77 1.08 0.00	38.21 1.28 0.00	34.18 1.23 0.00	37.34 1.39 0.00	34.85 1.32 0.00	38.38 1.46 0.00	71.87 2.21 0.00	77.26 2.33 0.00	91.00 2.71 0.00	61.32 1.94 0.00	52.14 1.69 0.00	42.07 1.32 0.00	40.24 1.20 0.00
WHITEHAL_115KV_TB1 80871	50.92 4.57 0.00	47.31 4.37 0.00	41.79 3.85 0.00	46.42 4.15 0.00	45.32 4.33 0.00	61.24 6.18 0.00	58.60 5.94 0.00	47.81 4.63 0.00	40.90 3.90 0.00	39.56 3.47 0.00	39.57 2.86 0.00	34.03 2.34 0.00	39.66 2.73 0.00	35.32 2.37 0.00	38.89 2.94 0.00	36.76 3.24 0.00	40.26 3.34 0.00	75.83 6.17 0.00	82.10 7.16 0.00	97.18 8.89 0.00	65.20 5.81 0.00	54.99 4.55 0.00	44.27 3.52 0.00	42.51 3.47 0.00
WHITEPLN_13_KV_LOAD 356215	48.23 1.88 0.00	44.59 1.64 0.00	39.49 1.55 0.00	43.99 1.72 0.00	42.73 1.75 0.00	57.37 2.30 0.00	54.98 2.33 0.00	45.23 2.04 0.00	38.91 1.91 0.00	38.11 2.01 0.00	38.96 2.25 0.00	33.45 1.76 0.00	39.01 2.08 0.00	34.85 1.90 0.00	38.09 2.14 0.00	35.60 2.07 0.00	39.25 2.33 0.00	73.49 3.83 0.00	79.02 4.09 0.00	93.20 4.91 0.00	62.77 3.39 0.00	53.33 2.89 0.00	43.01 2.26 0.00	41.10 2.05 0.00
WM_FLOYD_69_KV_BK2 356380	48.26 1.91 0.00	44.41 1.46 0.00	39.31 1.37 0.00	43.83 1.55 0.00	42.98 1.99 0.00	58.57 3.51 0.00	55.95 3.30 0.00	46.03 2.85 0.00	38.94 1.94 0.00	37.53 1.44 0.00	38.51 1.79 0.00	32.76 1.07 0.00	37.98 1.06 0.00	33.97 1.02 0.00	37.25 1.30 0.00	35.09 1.56 0.00	39.19 2.27 0.00	73.16 3.50 0.00	78.73 3.79 0.00	92.80 4.51 0.00	62.50 3.12 0.00	53.52 3.08 0.00	42.90 2.15 0.00	41.02 1.98 0.00
WOODARD___115KV_TB2 355635	45.19 -1.16 0.00	41.82 -1.12 0.00	36.94 -0.99 0.00	41.26 -1.01 0.00	39.96 -1.03 0.00	53.79 -1.27 0.00	51.48 -1.18 0.00	42.23 -0.95 0.00	36.17 -0.83 0.00	35.32 -0.78 0.00	35.82 -0.90 0.00	30.91 -0.78 0.00	36.04 -0.89 0.00	32.13 -0.82 0.00	35.01 -0.94 0.00	32.61 -0.92 0.00	35.87 -1.05 0.00	67.86 -1.79 0.00	73.13 -1.81 0.00	86.08 -2.21 0.00	57.86 -1.52 0.00	48.95 -1.49 0.00	39.52 -1.23 0.00	37.88 -1.17 0.00
YORK___WARBASSE 23770	61.59 1.76 -13.48	61.04 1.54 -16.55	60.00 1.52 -20.53	59.98 1.65 -16.05	59.96 1.66 -17.32	60.97 2.09 -3.81	60.24 2.19 -5.40	61.49 2.00 -16.31	60.97 1.94 -22.03	60.58 2.13 -22.35	61.41 2.46 -22.23	60.28 1.99 -26.60	60.06 2.25 -20.88	58.91 2.09 -23.87	58.98 2.31 -20.72	59.81 2.23 -24.05	60.17 2.42 -20.84	77.74 3.58 -4.51	86.79 3.81 -8.05	107.59 4.60 -14.70	73.35 3.35 -10.61	61.77 2.90 -8.43	61.46 2.32 -18.39	60.67 2.14 -19.49