

ALBANY___2 23572	45.31 0.72 0.00	43.40 0.55 0.00	42.92 0.59 0.00	41.78 0.64 0.00	44.42 0.66 0.00	43.64 0.68 0.00	56.47 1.28 0.00	58.65 1.40 0.00	42.91 0.83 0.00	32.05 0.43 0.00	34.67 0.51 0.00	32.29 0.54 0.00	31.44 0.46 0.00	26.04 0.47 0.00	25.66 0.55 0.00	33.71 0.71 0.00	51.07 0.96 0.00	42.85 0.75 0.00	41.76 0.57 0.00	72.63 0.80 0.00	46.43 0.49 0.00	46.89 0.21 0.00	46.98 0.06 0.00	46.23 0.12 0.00
ALBANY___3 23573	45.31 0.72 0.00	43.40 0.55 0.00	42.92 0.59 0.00	41.78 0.64 0.00	44.42 0.66 0.00	43.64 0.68 0.00	56.47 1.28 0.00	58.65 1.40 0.00	42.91 0.83 0.00	32.05 0.43 0.00	34.67 0.51 0.00	32.29 0.54 0.00	31.44 0.46 0.00	26.04 0.47 0.00	25.66 0.55 0.00	33.71 0.71 0.00	51.07 0.96 0.00	42.85 0.75 0.00	41.76 0.57 0.00	72.63 0.80 0.00	46.43 0.49 0.00	46.89 0.21 0.00	46.98 0.06 0.00	46.23 0.12 0.00
ALBANY___4 23574	45.31 0.72 0.00	43.40 0.55 0.00	42.92 0.59 0.00	41.78 0.64 0.00	44.42 0.66 0.00	43.64 0.68 0.00	56.47 1.28 0.00	58.65 1.40 0.00	42.91 0.83 0.00	32.05 0.43 0.00	34.67 0.51 0.00	32.29 0.54 0.00	31.44 0.46 0.00	26.04 0.47 0.00	25.66 0.55 0.00	33.71 0.71 0.00	51.07 0.96 0.00	42.85 0.75 0.00	41.76 0.57 0.00	72.63 0.80 0.00	46.43 0.49 0.00	46.89 0.21 0.00	46.98 0.06 0.00	46.23 0.12 0.00
ALBANY___LFGE 323615	45.68 1.09 0.00	43.77 0.91 0.00	43.27 0.95 0.00	42.11 0.98 0.00	44.79 1.03 0.00	44.02 1.05 0.00	57.00 1.80 0.00	59.17 1.92 0.00	43.30 1.22 0.00	32.34 0.72 0.00	34.96 0.80 0.00	32.56 0.81 0.00	31.71 0.73 0.00	26.25 0.67 0.00	25.86 0.76 0.00	34.00 1.01 0.00	51.57 1.45 0.00	43.29 1.19 0.00	42.25 1.06 0.00	73.47 1.64 0.00	46.95 1.02 0.00	47.40 0.72 0.00	47.48 0.56 0.00	46.72 0.61 0.00
ALCOA_PA_115KV_PL-6C 55860	45.35 0.76 0.00	43.82 0.96 0.00	43.37 1.05 0.00	42.06 0.93 0.00	44.67 0.91 0.00	43.69 0.73 0.00	55.39 0.19 0.00	57.14 -0.10 0.00	42.22 0.13 0.00	32.01 0.40 0.00	34.53 0.38 0.00	32.08 0.33 0.00	31.39 0.42 0.00	25.91 0.34 0.00	25.35 0.25 0.00	33.29 0.30 0.00	50.50 0.39 0.00	42.24 0.13 0.00	41.15 -0.03 0.00	72.33 0.50 0.00	46.38 0.45 0.00	47.57 0.89 0.00	47.90 0.98 0.00	47.15 1.05 0.00
ALCOA_RYNLDS___DRP 24188	45.35 0.76 0.00	43.82 0.96 0.00	43.37 1.05 0.00	42.06 0.93 0.00	44.67 0.91 0.00	43.69 0.73 0.00	55.39 0.19 0.00	57.14 -0.10 0.00	42.22 0.13 0.00	32.01 0.40 0.00	34.53 0.38 0.00	32.08 0.33 0.00	31.39 0.42 0.00	25.91 0.34 0.00	25.35 0.25 0.00	33.29 0.30 0.00	50.50 0.39 0.00	42.24 0.13 0.00	41.15 -0.03 0.00	72.33 0.50 0.00	46.38 0.45 0.00	47.57 0.89 0.00	47.90 0.98 0.00	47.15 1.05 0.00
ALCOA___DSASP 323711	45.36 0.76 0.00	43.82 0.97 0.00	43.37 1.05 0.00	42.06 0.93 0.00	44.67 0.92 0.00	43.69 0.73 0.00	55.39 0.19 0.00	57.14 -0.10 0.00	42.22 0.13 0.00	32.01 0.40 0.00	34.53 0.38 0.00	32.08 0.33 0.00	31.39 0.42 0.00	25.91 0.34 0.00	25.35 0.25 0.00	33.29 0.30 0.00	50.50 0.38 0.00	42.24 0.13 0.00	41.15 -0.03 0.00	72.33 0.49 0.00	46.38 0.44 0.00	47.57 0.89 0.00	47.90 0.98 0.00	47.15 1.05 0.00
ALLEGHENY___COGEN 23514	43.14 -1.45 0.00	41.50 -1.36 0.00	40.94 -1.39 0.00	39.74 -1.40 0.00	42.63 -1.13 0.00	42.23 -0.74 0.00	54.94 -0.26 0.00	57.44 0.19 0.00	41.65 -0.43 0.00	30.31 -1.25 0.04	32.59 -1.56 0.00	29.83 -1.92 0.00	29.13 -1.84 0.00	23.85 -1.73 0.00	23.27 -1.83 0.00	30.70 -2.28 0.01	47.68 -2.43 0.01	41.78 -0.33 0.00	41.18 0.02 0.02	91.19 -0.52 -19.88	50.92 -0.46 -5.44	43.53 -0.96 2.19	44.38 -1.04 1.51	43.61 -1.19 1.30
ALTAMONT_115KV_TB 2 55880	45.60 1.01 0.00	43.71 0.86 0.00	43.20 0.87 0.00	42.03 0.90 0.00	44.71 0.95 0.00	43.95 0.99 0.00	56.85 1.65 0.00	59.05 1.80 0.00	43.24 1.16 0.00	32.31 0.70 0.00	34.91 0.76 0.00	32.49 0.74 0.00	31.64 0.66 0.00	26.16 0.58 0.00	25.73 0.63 0.00	33.85 0.86 0.00	51.41 1.30 0.00	43.28 1.18 0.00	42.39 1.21 0.00	73.73 1.90 0.00	47.11 1.18 0.00	47.59 0.91 0.00	47.76 0.84 0.00	46.97 0.86 0.00
ALTONA_WT_PWR 323606	46.52 1.93 0.00	44.70 1.84 0.00	44.75 2.42 0.00	43.08 1.94 0.00	45.61 1.84 0.00	44.68 1.71 0.00	56.72 1.53 0.00	58.30 1.06 0.00	42.93 0.85 0.00	32.71 1.09 0.00	35.11 0.96 0.00	32.58 0.82 0.00	31.89 0.91 0.00	26.38 0.81 0.00	25.71 0.61 0.00	33.99 0.99 0.00	51.94 1.82 0.00	43.55 1.45 0.00	42.54 1.35 0.00	74.39 2.55 0.00	47.59 1.66 0.00	48.77 2.09 0.00	49.06 2.14 0.00	48.65 2.55 0.00
AMERICAN_REF_FUEL 24010	39.43 -5.16 0.00	38.55 -4.31 0.00	37.84 -4.49 0.00	36.73 -4.41 0.00	39.09 -4.67 0.00	38.65 -4.32 0.00	49.20 -5.99 0.00	50.60 -6.65 0.00	37.50 -4.58 0.00	27.80 -3.75 0.05	29.84 -4.32 0.00	27.52 -4.23 0.00	27.17 -3.81 0.00	22.26 -3.31 0.00	21.56 -3.54 0.00	28.22 -4.76 0.01	43.15 -6.95 0.01	36.60 -5.51 0.00	35.64 -5.53 0.02	34.03 -10.18 27.63	29.52 -6.68 9.73	34.66 -6.96 5.05	38.54 -6.49 1.90	38.35 -6.13 1.63
ARKWRIGHT___SUMMIT_WT_PWR 323751	41.21 -3.38 0.00	40.14 -2.71 0.00	39.35 -2.97 0.00	38.50 -2.64 0.00	40.99 -2.77 0.00	40.32 -2.65 0.00	52.18 -3.02 0.00	54.20 -3.05 0.00	40.14 -1.94 0.00	29.77 -1.79 0.05	32.00 -2.15 0.00	29.63 -2.12 0.00	29.20 -1.77 0.00	23.83 -1.74 0.00	23.13 -1.98 0.00	30.36 -2.62 0.01	46.65 -3.46 0.01	39.51 -2.60 0.00	38.36 -2.80 0.02	49.36 -5.41 17.07	36.06 -3.58 6.30	38.50 -3.84 4.33	41.60 -3.54 1.77	41.26 -3.32 1.53
ARTHUR KILL_GT_1 23520	46.37 1.77 0.00	44.25 1.40 0.00	43.70 1.37 0.00	42.53 1.40 0.00	45.28 1.52 0.00	44.65 1.68 0.00	43.37 2.70 14.52	47.00 3.27 13.51	39.09 2.46 5.45	33.45 1.84 0.00	36.32 2.14 -0.02	34.60 2.01 -0.84	32.81 1.83 0.00	27.11 1.54 0.00	26.67 1.56 0.00	34.98 1.99 0.00	44.91 2.86 8.06	39.88 2.61 4.84	41.26 3.00 2.93	49.64 4.62 26.81	40.64 2.93 8.22	48.75 2.42 0.35	49.16 2.24 0.00	48.53 2.43 0.00
ARTHUR_KILL_2 23512	46.23 1.64 0.00	44.13 1.28 0.00	43.57 1.24 0.00	42.42 1.29 0.00	45.15 1.39 0.00	44.52 1.55 0.00	43.20 2.52 14.52	46.81 3.08 13.51	38.95 2.33 5.45	33.36 1.75 0.00	36.22 2.04 -0.02	34.52 1.94 -0.84	32.72 1.74 0.00	27.05 1.47 0.00	26.61 1.50 0.00	34.88 1.89 0.00	44.76 2.71 8.06	39.74 2.48 4.84	41.13 2.87 2.93	49.42 4.40 26.81	40.49 2.78 8.22	48.60 2.27 0.35	49.01 2.10 0.00	48.40 2.29 0.00
ARTHUR_KILL_3 23513	39.22 1.74 7.11	39.92 1.42 4.35	39.92 1.42 3.83	39.42 1.43 3.15	40.46 1.57 4.87	40.42 1.72 4.27	43.37 2.70 14.53	46.98 3.25 13.52	39.08 2.46 5.46	33.44 1.82 0.00	36.33 2.15 -0.02	34.67 2.09 -0.83	32.87 1.89 0.00	27.16 1.59 0.00	26.71 1.61 0.00	35.01 2.02 0.00	44.89 2.83 8.06	39.92 2.65 4.84	40.90 2.92 3.21	49.53 4.52 26.82	40.51 2.81 8.23	46.91 2.16 1.92	46.38 2.01 2.54	46.82 2.06 1.35

ARTHUR_KILL_COGEN 323718	46.37 1.77 0.00	44.25 1.40 0.00	43.70 1.37 0.00	42.53 1.40 0.00	45.28 1.52 0.00	44.65 1.68 0.00	43.37 2.70 14.52	47.00 3.27 13.51	39.09 2.46 5.45	33.45 1.84 0.00	36.32 2.14 -0.02	34.60 2.01 -0.84	32.81 1.83 0.00	27.11 1.54 0.00	26.67 1.56 0.00	34.98 1.99 0.00	44.91 2.86 8.06	39.88 2.61 4.84	41.26 3.00 2.93	49.64 4.62 26.81	40.64 2.93 8.22	48.75 2.42 0.35	49.16 2.24 0.00	48.53 2.43 0.00
ASHOKAN____ 23654	47.53 2.94 0.00	45.51 2.65 0.00	44.98 2.65 0.00	43.80 2.66 0.00	46.66 2.89 0.00	45.94 2.98 0.00	59.65 4.46 0.00	62.09 4.84 0.00	45.22 3.14 0.00	33.36 1.75 0.00	35.78 1.63 0.00	33.21 1.46 0.00	32.29 1.32 0.00	26.71 1.13 0.00	26.35 1.25 0.00	34.90 1.90 0.00	53.53 3.41 0.00	45.40 3.30 0.00	44.59 3.40 0.00	77.44 5.61 0.00	49.33 3.39 0.00	49.69 3.01 0.00	49.68 2.76 0.00	48.75 2.65 0.00
ASTORIA_EAST_ENERGY_CC1 323581	46.40 1.81 0.00	44.44 1.58 0.00	44.00 1.68 0.00	42.76 1.62 0.00	45.55 1.79 0.00	44.82 1.85 0.00	58.08 2.88 0.00	60.87 3.62 0.00	44.77 2.69 0.00	33.59 1.98 0.00	36.40 2.23 -0.02	34.63 2.10 -0.78	32.97 1.98 -0.01	27.24 1.67 0.00	26.76 1.66 0.00	35.07 2.08 0.00	53.15 3.03 0.00	44.83 2.72 0.00	44.13 2.94 0.00	76.49 4.65 0.00	48.91 2.98 0.00	49.03 2.35 0.00	49.12 2.21 0.00	48.32 2.21 0.00
ASTORIA_EAST_ENERGY_CC2 323582	46.40 1.81 0.00	44.44 1.58 0.00	44.00 1.68 0.00	42.75 1.62 0.00	45.54 1.78 0.00	44.81 1.85 0.00	58.08 2.88 0.00	60.87 3.62 0.00	44.77 2.69 0.00	33.59 1.98 0.00	36.40 2.23 -0.02	34.63 2.10 -0.78	32.97 1.98 -0.01	27.25 1.67 0.00	26.76 1.66 0.00	35.07 2.08 0.00	53.15 3.03 0.00	44.83 2.72 0.00	44.13 2.94 0.00	76.49 4.65 0.00	48.91 2.98 0.00	49.03 2.35 0.00	49.12 2.21 0.00	48.32 2.21 0.00
ASTORIA_GT2_1 24094	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT2_2 24095	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT2_3 24096	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT2_4 24097	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT3_1 24098	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT3_2 24099	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT3_3 24100	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT3_4 24101	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT4_1 24102	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT4_2 24103	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT4_3 24104	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00

ASTORIA_GT4_4 24105	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.12 2.92 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.98 0.00	36.41 2.24 -0.02	34.70 2.17 -0.78	32.98 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.19 3.07 0.00	44.87 2.76 0.00	44.15 2.97 0.00	76.53 4.69 0.00	48.96 3.03 0.00	49.08 2.41 0.00	49.18 2.27 0.00	48.34 2.24 0.00
ASTORIA_GT_1 23523	46.50 1.91 0.00	44.54 1.68 0.00	44.09 1.76 0.00	42.84 1.71 0.00	45.64 1.88 0.00	44.91 1.95 0.00	58.23 3.03 0.00	61.02 3.77 0.00	44.89 2.81 0.00	33.67 2.06 0.00	36.48 2.31 -0.02	34.72 2.19 -0.78	33.03 2.06 -0.01	27.31 1.73 0.00	26.83 1.72 0.00	35.15 2.16 0.00	53.29 3.17 0.00	44.95 2.85 0.00	44.24 3.05 0.00	76.67 4.84 0.00	49.04 3.11 0.00	49.15 2.47 0.00	49.24 2.32 0.00	48.42 2.31 0.00
ASTORIA_GT_10 24110	46.51 1.92 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.89 0.00	58.19 2.99 0.00	60.85 3.60 0.00	44.74 2.66 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.85 2.18 -0.92	32.94 1.97 0.00	27.22 1.64 0.00	26.76 1.65 0.00	35.10 2.11 0.00	53.17 3.06 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.70 4.86 0.00	49.07 3.14 0.00	49.23 2.56 0.00	49.32 2.40 0.00	48.50 2.39 0.00
ASTORIA_GT_11 24225	46.51 1.92 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.89 0.00	58.19 2.99 0.00	60.85 3.60 0.00	44.74 2.66 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.85 2.18 -0.92	32.94 1.97 0.00	27.22 1.64 0.00	26.76 1.65 0.00	35.10 2.11 0.00	53.17 3.06 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.70 4.86 0.00	49.07 3.14 0.00	49.23 2.56 0.00	49.32 2.40 0.00	48.50 2.39 0.00
ASTORIA_GT_12 24226	46.51 1.92 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.89 0.00	58.19 2.99 0.00	60.85 3.60 0.00	44.74 2.66 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.85 2.18 -0.92	32.94 1.97 0.00	27.22 1.64 0.00	26.76 1.65 0.00	35.10 2.11 0.00	53.17 3.06 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.70 4.86 0.00	49.07 3.14 0.00	49.23 2.56 0.00	49.32 2.40 0.00	48.50 2.39 0.00
ASTORIA_GT_13 24227	46.51 1.92 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.89 0.00	58.19 2.99 0.00	60.85 3.60 0.00	44.74 2.66 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.85 2.18 -0.92	32.94 1.97 0.00	27.22 1.64 0.00	26.76 1.65 0.00	35.10 2.11 0.00	53.17 3.06 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.70 4.86 0.00	49.07 3.14 0.00	49.23 2.56 0.00	49.32 2.40 0.00	48.50 2.39 0.00
ASTORIA_GT_5 24106	46.50 1.91 0.00	44.54 1.68 0.00	44.08 1.76 0.00	42.84 1.71 0.00	45.64 1.88 0.00	44.91 1.95 0.00	58.23 3.03 0.00	61.01 3.76 0.00	44.89 2.81 0.00	33.66 2.05 0.00	36.49 2.31 -0.02	34.77 2.23 -0.78	33.04 2.06 -0.01	27.30 1.73 0.00	26.83 1.72 0.00	35.17 2.17 0.00	53.29 3.17 0.00	44.95 2.85 0.00	44.24 3.06 0.00	76.68 4.84 0.00	49.06 3.12 0.00	49.16 2.49 0.00	49.27 2.35 0.00	48.43 2.32 0.00
ASTORIA_GT_7 24107	46.50 1.91 0.00	44.54 1.68 0.00	44.08 1.76 0.00	42.84 1.71 0.00	45.64 1.88 0.00	44.91 1.95 0.00	58.23 3.03 0.00	61.01 3.76 0.00	44.89 2.81 0.00	33.66 2.05 0.00	36.49 2.31 -0.02	34.77 2.23 -0.78	33.04 2.06 -0.01	27.30 1.73 0.00	26.83 1.72 0.00	35.17 2.17 0.00	53.29 3.17 0.00	44.95 2.85 0.00	44.24 3.06 0.00	76.68 4.84 0.00	49.06 3.12 0.00	49.16 2.49 0.00	49.27 2.35 0.00	48.43 2.32 0.00
ASTORIA_GT_8 24108	46.50 1.91 0.00	44.54 1.68 0.00	44.08 1.76 0.00	42.84 1.71 0.00	45.64 1.88 0.00	44.91 1.95 0.00	58.23 3.03 0.00	61.01 3.76 0.00	44.89 2.81 0.00	33.66 2.05 0.00	36.49 2.31 -0.02	34.77 2.23 -0.78	33.04 2.06 -0.01	27.30 1.73 0.00	26.83 1.72 0.00	35.17 2.17 0.00	53.29 3.17 0.00	44.95 2.85 0.00	44.24 3.06 0.00	76.68 4.84 0.00	49.06 3.12 0.00	49.16 2.49 0.00	49.27 2.35 0.00	48.43 2.32 0.00
ASTORIA___2 24149	46.41 1.82 0.00	44.46 1.60 0.00	44.01 1.68 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.83 1.87 0.00	58.11 2.91 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.61 1.99 0.00	36.41 2.24 -0.02	34.65 2.13 -0.78	32.97 2.00 -0.01	27.25 1.68 0.00	26.78 1.67 0.00	35.08 2.09 0.00	53.19 3.07 0.00	44.86 2.76 0.00	44.15 2.97 0.00	76.52 4.68 0.00	48.95 3.01 0.00	49.06 2.38 0.00	49.16 2.24 0.00	48.34 2.23 0.00
ASTORIA___3 23516	46.50 1.91 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.90 0.00	58.18 2.98 0.00	60.85 3.60 0.00	44.75 2.67 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.84 2.17 -0.92	32.94 1.97 0.00	27.22 1.65 0.00	26.76 1.65 0.00	35.08 2.09 0.00	53.17 3.05 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.69 4.85 0.00	49.06 3.13 0.00	49.21 2.53 0.00	49.29 2.37 0.00	48.48 2.38 0.00
ASTORIA___4 23517	46.51 1.92 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.89 0.00	58.19 2.99 0.00	60.85 3.60 0.00	44.74 2.66 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.85 2.18 -0.92	32.94 1.97 0.00	27.22 1.64 0.00	26.76 1.65 0.00	35.10 2.11 0.00	53.17 3.06 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.70 4.86 0.00	49.07 3.14 0.00	49.23 2.56 0.00	49.32 2.40 0.00	48.50 2.39 0.00
ASTORIA___5 23518	46.50 1.91 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.90 0.00	58.18 2.98 0.00	60.85 3.60 0.00	44.75 2.67 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.84 2.17 -0.92	32.94 1.97 0.00	27.22 1.65 0.00	26.76 1.65 0.00	35.08 2.09 0.00	53.17 3.05 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.69 4.85 0.00	49.06 3.13 0.00	49.21 2.53 0.00	49.29 2.37 0.00	48.48 2.38 0.00
AST_ENERGY_2_CC3 323677	46.54 1.95 0.00	44.47 1.62 0.00	43.95 1.63 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.88 1.92 0.00	58.11 2.91 0.00	60.72 3.47 0.00	44.68 2.60 0.00	33.51 1.90 0.00	36.42 2.24 -0.02	34.69 2.16 -0.78	32.94 1.97 0.00	27.24 1.66 0.00	26.78 1.67 0.00	35.08 2.08 0.00	53.11 2.99 0.00	44.88 2.78 0.00	44.20 3.01 0.00	76.53 4.70 0.00	48.88 2.95 0.00	48.98 2.31 0.00	49.09 2.17 0.00	48.35 2.25 0.00
AST_ENERGY_2_CC4 323678	46.54 1.95 0.00	44.47 1.62 0.00	43.95 1.63 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.88 1.92 0.00	58.11 2.91 0.00	60.72 3.47 0.00	44.68 2.60 0.00	33.51 1.90 0.00	36.42 2.24 -0.02	34.69 2.16 -0.78	32.94 1.97 0.00	27.24 1.66 0.00	26.78 1.67 0.00	35.08 2.08 0.00	53.11 2.99 0.00	44.88 2.78 0.00	44.20 3.01 0.00	76.53 4.70 0.00	48.88 2.95 0.00	48.98 2.31 0.00	49.09 2.17 0.00	48.35 2.25 0.00

ATHENS_STG_1 23668	45.79 1.20 0.00	43.87 1.02 0.00	43.33 1.00 0.00	42.16 1.03 0.00	44.86 1.10 0.00	44.11 1.15 0.00	57.15 1.95 0.00	59.45 2.20 0.00	43.57 1.49 0.00	32.59 0.97 0.00	35.26 1.10 0.00	32.82 1.07 0.00	31.93 0.96 0.00	26.39 0.82 0.00	25.97 0.86 0.00	34.13 1.14 0.00	51.76 1.64 0.00	43.65 1.54 0.00	42.84 1.65 0.00	74.44 2.60 0.00	47.54 1.61 0.00	47.94 1.26 0.00	48.14 1.22 0.00	47.34 1.24 0.00
ATHENS_STG_2 23670	45.79 1.20 0.00	43.87 1.02 0.00	43.33 1.00 0.00	42.16 1.03 0.00	44.86 1.10 0.00	44.11 1.15 0.00	57.15 1.95 0.00	59.45 2.20 0.00	43.57 1.49 0.00	32.59 0.97 0.00	35.26 1.10 0.00	32.82 1.07 0.00	31.93 0.96 0.00	26.39 0.82 0.00	25.97 0.86 0.00	34.13 1.14 0.00	51.76 1.64 0.00	43.65 1.54 0.00	42.84 1.65 0.00	74.44 2.60 0.00	47.54 1.61 0.00	47.94 1.26 0.00	48.14 1.22 0.00	47.34 1.24 0.00
ATHENS_STG_3 23677	45.79 1.20 0.00	43.87 1.02 0.00	43.33 1.00 0.00	42.16 1.03 0.00	44.86 1.10 0.00	44.11 1.15 0.00	57.15 1.95 0.00	59.45 2.20 0.00	43.57 1.49 0.00	32.59 0.97 0.00	35.26 1.10 0.00	32.82 1.07 0.00	31.93 0.96 0.00	26.39 0.82 0.00	25.97 0.86 0.00	34.13 1.14 0.00	51.76 1.64 0.00	43.65 1.54 0.00	42.84 1.65 0.00	74.44 2.60 0.00	47.54 1.61 0.00	47.94 1.26 0.00	48.14 1.22 0.00	47.34 1.24 0.00
AUBURN___LFGE 323710	43.66 -0.93 0.00	41.96 -0.89 0.00	41.42 -0.91 0.00	40.22 -0.92 0.00	42.91 -0.85 0.00	42.35 -0.61 0.00	54.80 -0.39 0.00	57.01 -0.24 0.00	41.72 -0.37 0.00	30.99 -0.60 0.02	33.39 -0.77 0.00	30.97 -0.78 0.00	30.22 -0.76 0.00	24.89 -0.68 0.00	24.42 -0.69 0.00	32.15 -0.83 0.00	49.28 -0.84 0.00	41.72 -0.38 0.00	40.87 -0.31 0.01	132.59 -0.69 -61.44	64.41 -0.61 -19.08	46.91 -0.88 -1.11	45.18 -0.95 0.79	44.45 -0.98 0.68
BABYLON_RES_REC 323704	47.48 2.89 0.00	45.48 2.63 0.00	44.93 2.60 0.00	43.70 2.56 0.00	46.51 2.76 0.00	45.83 2.87 0.00	59.51 4.31 0.00	62.15 4.90 0.00	45.60 3.52 0.00	33.88 2.27 0.00	36.80 2.64 0.00	34.30 2.53 -0.02	33.29 2.32 0.00	27.51 1.93 0.00	29.51 2.08 -2.33	82.79 2.78 -47.02	59.21 4.25 -4.84	46.50 3.81 -0.58	50.64 4.22 -5.24	87.32 6.62 -8.86	82.51 4.19 -32.39	60.28 3.63 -9.97	58.49 3.43 -8.14	50.96 3.43 -1.43
BABYLON__69_KV_BK2 356345	47.96 3.37 0.00	45.96 3.10 0.00	45.40 3.08 0.00	44.16 3.03 0.00	47.01 3.25 0.00	46.34 3.38 0.00	60.20 5.00 0.00	62.79 5.55 0.00	46.13 4.05 0.00	34.24 2.63 0.00	37.18 3.03 0.00	34.65 2.88 -0.02	33.63 2.65 0.00	27.78 2.21 0.00	29.78 2.35 -2.33	83.20 3.18 -47.02	59.86 4.89 -4.84	47.05 4.36 -0.58	51.27 4.85 -5.24	88.44 7.74 -8.86	83.19 4.87 -32.39	60.93 4.28 -9.97	59.12 4.06 -8.14	51.54 4.01 -1.43
BALL_HILL_WT_PWR 323825	41.04 -3.55 0.00	39.91 -2.95 0.00	39.22 -3.11 0.00	38.10 -3.04 0.00	40.65 -3.12 0.00	40.07 -2.90 0.00	51.50 -3.70 0.00	53.36 -3.89 0.00	39.38 -2.70 0.00	29.17 -2.39 0.05	31.41 -2.74 0.00	29.06 -2.69 0.00	28.64 -2.34 0.00	23.40 -2.17 0.00	22.73 -2.37 0.00	29.85 -3.13 0.01	45.76 -4.35 0.01	38.72 -3.39 0.00	37.71 -3.46 0.02	43.92 -6.47 21.44	33.91 -4.32 7.71	37.45 -4.62 4.61	40.79 -4.31 1.82	40.46 -4.09 1.57
BARON_WINDS___WT_PWR 323822	43.17 -1.42 0.00	41.38 -1.47 0.00	40.94 -1.39 0.00	39.65 -1.48 0.00	42.65 -1.11 0.00	42.14 -0.82 0.00	54.80 -0.40 0.00	57.43 0.18 0.00	41.73 -0.35 0.00	30.96 -0.62 0.03	33.39 -0.76 0.00	31.02 -0.74 0.00	30.27 -0.70 0.00	24.79 -0.79 0.00	24.27 -0.83 0.00	32.18 -0.80 0.00	49.55 -0.56 0.00	42.11 0.01 0.00	41.34 0.17 0.01	118.55 0.21 -46.50	59.96 -0.16 -14.18	45.86 -0.62 0.20	45.13 -0.68 1.11	44.41 -0.74 0.95
BARRETT_IC_1 23704	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_10 23701	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_11 23702	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_12 23703	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_2 23705	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_3 23706	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_4 23707	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43

BARRETT_IC_5 23708	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_6 23709	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_7 23710	47.04 2.45 0.00	45.12 2.26 0.00	44.59 2.27 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.33 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.88 2.80 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.28 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.42 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.44 4.75 -8.86	81.50 3.17 -32.39	59.44 2.80 -9.97	57.77 2.72 -8.14	50.25 2.71 -1.43
BARRETT_IC_8 23711	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT_IC_9 23700	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT___1 23545	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BARRETT___2 23546	47.04 2.45 0.00	45.11 2.26 0.00	44.59 2.26 0.00	43.37 2.24 0.00	46.09 2.33 0.00	45.29 2.32 0.00	58.52 3.32 0.00	61.13 3.88 0.00	44.89 2.81 0.00	33.50 1.89 0.00	36.45 2.29 0.00	34.06 2.29 -0.02	33.07 2.09 0.00	27.33 1.76 0.00	29.27 1.84 -2.33	82.35 2.34 -47.02	58.38 3.41 -4.84	45.74 3.05 -0.58	49.66 3.24 -5.23	85.41 4.71 -8.86	81.49 3.16 -32.39	59.44 2.79 -9.97	57.76 2.71 -8.14	50.24 2.70 -1.43
BATAVIA___115KV_TB1 55881	41.66 -2.93 0.00	40.58 -2.27 0.00	39.85 -2.48 0.00	38.68 -2.46 0.00	41.25 -2.51 0.00	40.85 -2.12 0.00	52.34 -2.86 0.00	54.06 -3.19 0.00	39.87 -2.21 0.00	29.36 -2.20 0.06	31.41 -2.74 0.00	28.98 -2.77 0.00	28.55 -2.43 0.00	23.42 -2.15 0.00	22.71 -2.39 0.00	29.86 -3.12 0.01	45.88 -4.23 0.01	39.10 -3.00 0.00	38.18 -2.99 0.02	32.99 -5.76 33.09	30.41 -3.95 11.57	37.03 -4.26 5.39	41.04 -3.95 1.94	40.69 -3.75 1.67
BAYONEEC___CTG1 323682	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BAYONEEC___CTG10 323750	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BAYONEEC___CTG2 323683	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BAYONEEC___CTG3 323684	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BAYONEEC___CTG4 323685	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BAYONEEC___CTG5 323686	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BAYONEEC___CTG6 323687	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00

BAYONEEC___CTG7 323688	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BAYONEEC___CTG8 323689	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BAYONEEC___CTG9 323749	46.53 1.93 0.00	44.46 1.60 0.00	43.92 1.59 0.00	42.74 1.61 0.00	45.52 1.76 0.00	44.87 1.90 0.00	58.12 2.92 0.00	60.75 3.50 0.00	44.70 2.62 0.00	33.54 1.93 0.00	36.43 2.26 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.68 0.00	35.10 2.11 0.00	53.14 3.02 0.00	44.90 2.79 0.00	44.25 3.06 0.00	76.63 4.80 0.00	48.92 2.98 0.00	49.02 2.35 0.00	49.11 2.19 0.00	48.34 2.24 0.00
BEACON___LESR 323632	46.07 1.48 0.00	44.10 1.25 0.00	43.61 1.28 0.00	42.43 1.30 0.00	45.16 1.40 0.00	44.45 1.49 0.00	57.65 2.45 0.00	59.81 2.56 0.00	43.64 1.56 0.00	32.53 0.92 0.00	35.12 0.97 0.00	32.71 0.96 0.00	31.82 0.84 0.00	26.32 0.75 0.00	25.96 0.86 0.00	34.23 1.23 0.00	51.97 1.86 0.00	43.71 1.61 0.00	42.72 1.53 0.00	74.35 2.52 0.00	47.42 1.49 0.00	47.86 1.18 0.00	47.91 0.99 0.00	47.12 1.02 0.00
BEAVER RIVER___HYD 24048	44.91 0.32 0.00	43.12 0.27 0.00	42.42 0.09 0.00	41.14 0.01 0.00	43.79 0.03 0.00	43.11 0.14 0.00	55.82 0.62 0.00	58.10 0.85 0.00	42.46 0.38 0.00	31.45 -0.15 0.00	33.68 -0.47 0.00	31.23 -0.52 0.00	30.46 -0.51 0.00	25.12 -0.45 0.00	24.61 -0.49 0.00	32.49 -0.50 0.00	50.12 0.00 0.00	42.67 0.56 0.00	41.84 0.65 0.00	72.75 1.22 0.30	46.52 0.79 0.21	47.08 0.78 0.39	47.41 0.67 0.18	46.60 0.65 0.16
BEEBEE_GT_13 23619	41.94 -2.64 0.00	40.67 -2.18 0.00	40.02 -2.31 0.00	38.86 -2.27 0.00	41.44 -2.32 0.00	40.92 -2.05 0.00	52.58 -2.62 0.00	54.33 -2.92 0.00	40.00 -2.08 0.00	29.66 -1.89 0.06	31.94 -2.22 0.00	29.57 -2.19 0.00	29.03 -1.95 0.00	23.82 -1.75 0.00	23.22 -1.88 0.00	30.43 -2.55 0.01	46.73 -3.38 0.01	39.60 -2.51 0.00	38.67 -2.49 0.02	26.30 -4.72 40.82	28.48 -3.23 14.22	37.29 -3.49 5.90	41.58 -3.33 2.01	41.19 -3.18 1.73
BENSHRST_27_KV_BENSHRST_1 355998	46.91 2.32 0.00	44.82 1.96 0.00	44.26 1.93 0.00	43.06 1.93 0.00	45.84 2.09 0.00	45.21 2.25 0.00	58.62 3.42 0.00	61.27 4.02 0.00	45.10 3.02 0.00	33.85 2.24 0.00	36.78 2.61 -0.02	35.15 2.48 -0.92	33.25 2.27 0.00	27.47 1.89 0.00	27.01 1.90 0.00	35.43 2.44 0.00	53.69 3.57 0.00	45.31 3.21 0.00	44.72 3.53 0.00	77.51 5.67 0.00	49.53 3.60 0.00	49.70 3.02 0.00	49.75 2.83 0.00	48.96 2.85 0.00
BETHLEHEM___GRP 23843	45.31 0.72 0.00	43.40 0.55 0.00	42.92 0.59 0.00	41.78 0.64 0.00	44.42 0.66 0.00	43.64 0.68 0.00	56.47 1.28 0.00	58.65 1.40 0.00	42.91 0.83 0.00	32.05 0.43 0.00	34.67 0.51 0.00	32.29 0.54 0.00	31.44 0.46 0.00	26.04 0.47 0.00	25.66 0.55 0.00	33.71 0.71 0.00	51.07 0.96 0.00	42.85 0.75 0.00	41.76 0.57 0.00	72.63 0.80 0.00	46.43 0.49 0.00	46.89 0.21 0.00	46.98 0.06 0.00	46.23 0.12 0.00
BETHLEHEM___GS1 323560	45.31 0.72 0.00	43.40 0.55 0.00	42.92 0.59 0.00	41.77 0.64 0.00	44.42 0.66 0.00	43.64 0.68 0.00	56.47 1.28 0.00	58.64 1.40 0.00	42.91 0.84 0.00	32.05 0.44 0.00	34.65 0.50 0.00	32.29 0.53 0.00	31.44 0.46 0.00	26.04 0.47 0.00	25.66 0.55 0.00	33.70 0.71 0.00	51.07 0.96 0.00	42.85 0.75 0.00	41.76 0.57 0.00	72.61 0.78 0.00	46.43 0.49 0.00	46.87 0.20 0.00	46.97 0.05 0.00	46.23 0.12 0.00
BETHLEHEM___GS2 323561	45.31 0.72 0.00	43.40 0.55 0.00	42.92 0.59 0.00	41.77 0.64 0.00	44.42 0.66 0.00	43.64 0.68 0.00	56.47 1.28 0.00	58.64 1.40 0.00	42.91 0.84 0.00	32.05 0.44 0.00	34.65 0.50 0.00	32.29 0.53 0.00	31.44 0.46 0.00	26.04 0.47 0.00	25.66 0.55 0.00	33.70 0.71 0.00	51.07 0.96 0.00	42.85 0.75 0.00	41.76 0.57 0.00	72.61 0.78 0.00	46.43 0.49 0.00	46.87 0.20 0.00	46.97 0.05 0.00	46.23 0.12 0.00
BETHLEHEM___GS3 323562	45.31 0.72 0.00	43.40 0.55 0.00	42.92 0.59 0.00	41.77 0.64 0.00	44.42 0.66 0.00	43.64 0.68 0.00	56.47 1.28 0.00	58.64 1.40 0.00	42.91 0.84 0.00	32.05 0.44 0.00	34.65 0.50 0.00	32.29 0.53 0.00	31.44 0.46 0.00	26.04 0.47 0.00	25.66 0.55 0.00	33.70 0.71 0.00	51.07 0.96 0.00	42.85 0.75 0.00	41.76 0.57 0.00	72.61 0.78 0.00	46.43 0.49 0.00	46.87 0.20 0.00	46.97 0.05 0.00	46.23 0.12 0.00
BETHLEHEM___STEEL 23779	40.86 -3.73 0.00	39.85 -3.00 0.00	39.18 -3.14 0.00	38.00 -3.13 0.00	40.50 -3.26 0.00	40.01 -2.96 0.00	51.18 -4.02 0.00	52.86 -4.39 0.00	39.09 -2.99 0.00	28.98 -2.58 0.05	31.14 -3.01 0.00	28.79 -2.96 0.00	28.40 -2.57 0.00	23.23 -2.34 0.00	22.56 -2.54 0.00	29.51 -3.47 0.01	45.23 -4.88 0.01	38.29 -3.82 0.00	37.31 -3.85 0.02	40.97 -7.28 23.58	32.62 -4.91 8.40	36.72 -5.18 4.77	40.25 -4.82 1.85	40.03 -4.48 1.59
BETHLHEM_115KV_TB1 79974	45.35 0.76 0.00	43.44 0.59 0.00	42.96 0.63 0.00	41.81 0.68 0.00	44.46 0.70 0.00	43.68 0.72 0.00	56.54 1.34 0.00	58.70 1.45 0.00	42.96 0.88 0.00	32.07 0.46 0.00	34.69 0.54 0.00	32.31 0.56 0.00	31.47 0.49 0.00	26.06 0.49 0.00	25.67 0.57 0.00	33.73 0.74 0.00	51.12 1.01 0.00	42.90 0.80 0.00	41.81 0.62 0.00	72.73 0.90 0.00	46.49 0.56 0.00	46.93 0.26 0.00	47.03 0.11 0.00	46.28 0.18 0.00
BETHPAGE_CC_5 323564	47.22 2.63 0.00	45.23 2.38 0.00	44.68 2.35 0.00	43.46 2.33 0.00	46.26 2.51 0.00	45.55 2.59 0.00	59.05 3.85 0.00	61.65 4.40 0.00	45.29 3.21 0.00	33.72 2.11 0.00	36.61 2.46 0.00	34.16 2.38 -0.02	33.17 2.20 0.00	27.42 1.84 0.00	29.38 1.95 -2.33	82.57 2.56 -47.02	58.77 3.80 -4.84	46.11 3.42 -0.58	50.15 3.73 -5.24	86.52 5.82 -8.86	82.04 3.72 -32.39	59.88 3.23 -9.97	58.15 3.09 -8.14	50.67 3.14 -1.43
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	41.05 -3.53 0.00	40.03 -2.82 0.00	39.37 -2.96 0.00	38.17 -2.96 0.00	40.69 -3.07 0.00	40.19 -2.78 0.00	51.46 -3.74 0.00	53.17 -4.08 0.00	39.30 -2.78 0.00	29.14 -2.43 0.05	31.32 -2.84 0.00	28.95 -2.80 0.00	28.55 -2.42 0.00	23.36 -2.21 0.00	22.69 -2.41 0.00	29.68 -3.30 0.01	45.49 -4.62 0.01	38.51 -3.59 0.00	37.53 -3.63 0.02	42.65 -6.87 22.31	33.27 -4.67 7.99	37.03 -4.96 4.69	40.48 -4.60 1.83	40.24 -4.29 1.58

BINGHAMTON___COGEN 23790	44.16 -0.43 0.00	42.36 -0.50 0.00	41.79 -0.53 0.00	40.57 -0.57 0.00	43.31 -0.45 0.00	42.70 -0.26 0.00	55.27 0.07 0.00	57.57 0.33 0.00	42.13 0.05 0.00	31.37 -0.22 0.02	33.84 -0.31 0.00	31.44 -0.31 0.00	30.65 -0.33 0.00	25.23 -0.35 0.00	24.76 -0.34 0.00	32.64 -0.35 0.00	49.89 -0.22 0.00	42.16 0.05 0.00	41.31 0.13 0.01	94.28 0.11 -22.34	52.57 -0.10 -6.73	45.90 -0.40 0.38	45.79 -0.46 0.67	45.06 -0.47 0.58
BIXINCNT_115KV_LOAD 355685	42.05 -2.54 0.00	40.90 -1.95 0.00	40.32 -2.01 0.00	38.93 -2.21 0.00	41.60 -2.16 0.00	41.15 -1.82 0.00	53.04 -2.16 0.00	54.91 -2.34 0.00	40.48 -1.60 0.00	29.94 -1.62 0.05	32.24 -1.91 0.00	29.86 -1.89 0.00	29.46 -1.52 0.00	24.11 -1.46 0.00	23.40 -1.71 0.00	30.66 -2.32 0.01	47.07 -3.04 0.01	39.74 -2.37 0.00	38.74 -2.43 0.02	51.44 -4.77 15.62	36.76 -3.34 5.83	38.78 -3.67 4.23	41.83 -3.34 1.75	41.57 -3.03 1.51
BLACK RIVER___HYD 24047	44.65 0.07 0.00	42.83 -0.02 0.00	42.03 -0.30 0.00	40.73 -0.41 0.00	43.41 -0.35 0.00	42.84 -0.12 0.00	55.75 0.55 0.00	58.10 0.85 0.00	42.38 0.30 0.00	31.15 -0.46 0.00	33.27 -0.88 0.00	30.87 -0.88 0.00	30.10 -0.87 0.00	24.80 -0.77 0.00	24.27 -0.83 0.00	32.07 -0.92 0.00	49.71 -0.41 0.00	42.62 0.52 0.00	41.90 0.71 0.00	73.09 1.25 0.00	46.70 0.76 0.00	47.37 0.69 0.00	47.46 0.54 0.00	46.52 0.42 0.00
BLACKRVR_115KV_TB2 79977	44.65 0.07 0.00	42.83 -0.02 0.00	42.03 -0.30 0.00	40.73 -0.41 0.00	43.40 -0.35 0.00	42.84 -0.12 0.00	55.75 0.55 0.00	58.10 0.85 0.00	42.38 0.30 0.00	31.16 -0.46 0.00	33.27 -0.88 0.00	30.87 -0.88 0.00	30.10 -0.87 0.00	24.80 -0.77 0.00	24.27 -0.83 0.00	32.07 -0.92 0.00	49.71 -0.41 0.00	42.62 0.52 0.00	41.90 0.71 0.00	73.09 1.25 0.00	46.70 0.76 0.00	47.37 0.69 0.00	47.45 0.54 0.00	46.52 0.41 0.00
BLISS_WT_PWR 323608	42.01 -2.58 0.00	40.88 -1.98 0.00	40.32 -2.01 0.00	38.90 -2.23 0.00	41.57 -2.19 0.00	41.16 -1.80 0.00	53.12 -2.08 0.00	55.01 -2.24 0.00	40.54 -1.54 0.00	29.99 -1.57 0.05	32.32 -1.83 0.00	29.92 -1.84 0.00	29.51 -1.47 0.00	24.16 -1.41 0.00	23.42 -1.68 0.00	30.75 -2.23 0.01	47.16 -2.96 0.01	39.80 -2.30 0.00	38.80 -2.37 0.02	51.58 -4.63 15.62	36.93 -3.18 5.83	38.94 -3.51 4.23	41.97 -3.20 1.75	41.63 -2.96 1.51
BLUESTONE___WT_PWR 323821	45.78 1.19 0.00	44.13 1.28 0.00	43.14 0.81 0.00	41.89 0.76 0.00	44.86 1.10 0.00	44.59 1.63 0.00	58.30 3.10 0.00	60.77 3.52 0.00	44.69 2.61 0.00	33.24 1.64 0.02	35.76 1.60 0.00	33.08 1.33 0.00	32.23 1.25 0.00	26.49 0.91 0.00	25.91 0.81 0.00	34.26 1.27 0.00	52.86 2.74 0.00	44.84 2.73 0.00	43.83 2.65 0.01	97.58 4.64 -21.11	55.02 2.69 -6.39	48.66 2.22 0.24	48.27 1.93 0.58	47.25 1.64 0.49
BLUE_CIRC_CHEM_DRP 24182	45.84 1.25 0.00	43.97 1.12 0.00	43.50 1.17 0.00	42.32 1.19 0.00	45.02 1.26 0.00	44.22 1.26 0.00	57.15 1.96 0.00	59.28 2.03 0.00	43.26 1.18 0.00	32.20 0.59 0.00	34.80 0.65 0.00	32.40 0.64 0.00	31.56 0.58 0.00	26.11 0.53 0.00	25.70 0.59 0.00	33.89 0.90 0.00	51.59 1.47 0.00	43.40 1.30 0.00	42.43 1.24 0.00	73.84 2.01 0.00	47.16 1.23 0.00	47.67 0.99 0.00	47.81 0.89 0.00	47.06 0.95 0.00
BOC_GAS_DRP 24189	45.48 0.89 0.00	43.59 0.74 0.00	43.07 0.75 0.00	41.92 0.78 0.00	44.58 0.82 0.00	43.81 0.85 0.00	56.65 1.45 0.00	58.84 1.59 0.00	43.11 1.03 0.00	32.24 0.62 0.00	34.86 0.71 0.00	32.45 0.70 0.00	31.60 0.62 0.00	26.13 0.56 0.00	25.70 0.60 0.00	33.80 0.81 0.00	51.26 1.14 0.00	43.13 1.03 0.00	42.23 1.04 0.00	73.45 1.62 0.00	46.95 1.01 0.00	47.43 0.76 0.00	47.60 0.68 0.00	46.83 0.72 0.00
BOONVILLE_115KV_TB1 79983	45.53 0.94 0.00	43.70 0.85 0.00	43.06 0.73 0.00	41.84 0.70 0.00	44.56 0.80 0.00	43.88 0.92 0.00	56.86 1.66 0.00	59.14 1.89 0.00	43.24 1.16 0.00	32.14 0.54 0.01	34.58 0.42 0.00	32.07 0.32 0.00	31.25 0.28 0.00	25.78 0.21 0.00	25.30 0.20 0.00	33.37 0.39 0.00	51.24 1.12 0.00	43.38 1.28 0.00	42.52 1.34 0.00	73.64 2.29 0.47	47.01 1.41 0.32	47.36 1.29 0.60	47.80 1.17 0.29	46.95 1.09 0.25
BORALEX_4TH_BRANCH 23824	46.90 2.31 0.00	44.92 2.06 0.00	44.49 2.16 0.00	43.35 2.21 0.00	46.08 2.32 0.00	45.14 2.18 0.00	58.42 3.22 0.00	60.60 3.35 0.00	44.23 2.15 0.00	33.05 1.44 0.00	35.73 1.57 0.00	33.19 1.43 0.00	32.30 1.33 0.00	26.77 1.19 0.00	26.41 1.31 0.00	34.82 1.82 0.00	52.56 2.44 0.00	44.19 2.08 0.00	43.43 2.24 0.00	75.60 3.76 0.00	48.50 2.56 0.00	48.89 2.21 0.00	48.92 2.00 0.00	48.19 2.09 0.00
BOWLINE___1 23526	46.21 1.62 0.00	44.24 1.38 0.00	43.64 1.31 0.00	42.46 1.32 0.00	45.20 1.44 0.00	44.52 1.55 0.00	57.85 2.65 0.00	60.40 3.15 0.00	44.26 2.19 0.00	33.02 1.41 0.00	35.79 1.63 0.00	33.34 1.59 0.00	32.44 1.46 0.00	26.77 1.19 0.00	26.31 1.21 0.00	34.57 1.58 0.00	52.52 2.40 0.00	44.48 2.37 0.00	43.74 2.55 0.00	75.79 3.95 0.00	48.41 2.47 0.00	48.70 2.02 0.00	48.89 1.97 0.00	47.98 1.87 0.00
BOWLINE___2 23595	46.21 1.62 0.00	44.24 1.38 0.00	43.64 1.31 0.00	42.46 1.32 0.00	45.20 1.44 0.00	44.52 1.55 0.00	57.85 2.65 0.00	60.40 3.15 0.00	44.26 2.19 0.00	33.02 1.41 0.00	35.79 1.63 0.00	33.34 1.59 0.00	32.44 1.46 0.00	26.77 1.19 0.00	26.32 1.21 0.00	34.57 1.58 0.00	52.52 2.40 0.00	44.48 2.37 0.00	43.74 2.55 0.00	75.79 3.95 0.00	48.41 2.47 0.00	48.70 2.02 0.00	48.89 1.97 0.00	47.98 1.88 0.00
BRADY___115KV_TB2 356060	45.75 1.16 0.00	44.22 1.37 0.00	43.78 1.45 0.00	42.46 1.33 0.00	45.14 1.38 0.00	44.20 1.24 0.00	56.08 0.88 0.00	57.77 0.52 0.00	42.52 0.44 0.00	32.13 0.52 0.00	34.60 0.45 0.00	32.23 0.48 0.00	31.58 0.61 0.00	26.08 0.51 0.00	25.42 0.32 0.00	33.39 0.39 0.00	50.78 0.67 0.00	42.69 0.59 0.00	41.67 0.49 0.00	73.33 1.49 0.00	46.98 1.05 0.00	48.16 1.48 0.00	48.45 1.53 0.00	47.71 1.60 0.00
BRANSCOMB___SOLAR 323811	46.05 1.46 0.00	44.08 1.23 0.00	43.66 1.33 0.00	42.48 1.34 0.00	45.21 1.45 0.00	44.46 1.50 0.00	57.72 2.52 0.00	59.94 2.69 0.00	43.67 1.59 0.00	32.57 0.96 0.00	35.12 0.96 0.00	32.64 0.89 0.00	31.82 0.84 0.00	26.26 0.69 0.00	25.87 0.76 0.00	34.16 1.17 0.00	52.17 2.05 0.00	43.93 1.82 0.00	43.13 1.95 0.00	75.03 3.20 0.00	47.86 1.93 0.00	48.26 1.58 0.00	48.26 1.34 0.00	47.44 1.34 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	47.85 3.26 0.00	45.85 3.00 0.00	45.31 2.98 0.00	44.07 2.94 0.00	46.92 3.16 0.00	46.22 3.25 0.00	59.95 4.75 0.00	62.43 5.18 0.00	46.00 3.92 0.00	34.15 2.54 0.00	37.11 2.95 0.00	34.60 2.83 -0.02	33.58 2.60 0.00	27.74 2.17 0.00	29.75 2.31 -2.33	83.14 3.13 -47.02	59.68 4.72 -4.84	46.81 4.12 -0.58	51.17 4.75 -5.24	88.24 7.54 -8.86	83.04 4.71 -32.39	60.74 4.09 -9.97	58.97 3.91 -8.14	51.42 3.88 -1.43

BRISTLHL_115KV_TB1 79998	42.72 -1.87 0.00	41.07 -1.78 0.00	40.51 -1.82 0.00	39.38 -1.76 0.00	41.96 -1.80 0.00	41.37 -1.59 0.00	53.44 -1.76 0.00	55.59 -1.66 0.00	41.00 -1.08 0.00	30.33 -1.29 -0.01	32.68 -1.48 0.00	30.36 -1.40 0.00	29.64 -1.34 0.00	24.45 -1.12 0.00	24.00 -1.11 0.00	31.55 -1.44 0.00	48.18 -1.94 0.00	40.73 -1.37 0.00	39.89 -1.30 0.00	79.73 -2.42 -10.31	47.70 -1.67 -3.43	45.77 -1.87 -0.97	45.21 -1.96 -0.25	44.37 -1.95 -0.22
BROOKHAVEN___DRP 24191	47.54 2.95 0.00	45.58 2.73 0.00	45.08 2.75 0.00	43.86 2.73 0.00	46.66 2.90 0.00	46.05 3.08 0.00	60.05 4.84 0.00	62.68 5.44 0.00	45.88 3.80 0.00	33.99 2.38 0.00	36.89 2.73 0.00	34.37 2.60 -0.02	33.35 2.38 0.00	27.53 1.96 0.00	29.55 2.12 -2.33	82.93 2.92 -47.02	59.59 4.63 -4.84	46.88 4.19 -0.58	51.16 4.74 -5.24	88.25 7.55 -8.86	83.05 4.73 -32.39	60.68 4.03 -9.97	58.89 3.84 -8.14	51.35 3.82 -1.43
BROOKLYN_NAVY_YARD 23515	46.55 1.96 0.00	44.48 1.62 0.00	43.97 1.64 0.00	42.79 1.65 0.00	45.60 1.84 0.00	44.95 1.99 0.00	58.22 3.02 0.00	60.83 3.58 0.00	44.75 2.67 0.00	33.57 1.96 0.00	36.44 2.27 -0.02	34.73 2.20 -0.78	32.99 2.01 0.00	27.26 1.68 0.00	26.79 1.68 0.00	35.11 2.12 0.00	53.16 3.04 0.00	44.94 2.84 0.00	44.29 3.10 0.00	76.68 4.85 0.00	48.99 3.05 0.00	49.08 2.40 0.00	49.15 2.23 0.00	48.35 2.25 0.00
BROOKLYN___ARMY_DRP 323595	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
BROOKVLE_69_KV_TB1 55790	47.52 2.93 0.00	45.51 2.65 0.00	44.93 2.60 0.00	43.71 2.58 0.00	46.53 2.77 0.00	45.82 2.86 0.00	59.22 4.02 0.00	61.88 4.63 0.00	45.43 3.35 0.00	33.84 2.23 0.00	36.77 2.62 0.00	34.29 2.52 0.00	33.30 2.33 0.00	27.52 1.95 0.00	29.47 2.04 -2.33	82.69 2.68 -47.02	58.98 4.02 -4.84	46.29 3.60 -0.58	50.26 3.84 -5.23	86.74 6.04 -8.86	82.19 3.87 -32.39	60.02 3.37 -9.97	58.28 3.23 -8.14	50.89 3.35 -1.43
BROOME_2_LFGE 323671	44.16 -0.43 0.00	42.36 -0.50 0.00	41.79 -0.53 0.00	40.57 -0.56 0.00	43.32 -0.44 0.00	42.70 -0.26 0.00	55.27 0.07 0.00	57.58 0.33 0.00	42.13 0.05 0.00	31.37 -0.23 0.02	33.84 -0.31 0.00	31.44 -0.31 0.00	30.65 -0.33 0.00	25.23 -0.34 0.00	24.76 -0.34 0.00	32.64 -0.35 0.00	49.90 -0.22 0.00	42.16 0.05 0.00	41.31 0.13 0.01	94.28 0.11 -22.34	52.57 -0.09 -6.73	45.90 -0.40 0.38	45.80 -0.45 0.67	45.06 -0.46 0.58
BROOME___LFGE 323600	44.16 -0.43 0.00	42.36 -0.50 0.00	41.79 -0.53 0.00	40.57 -0.56 0.00	43.32 -0.44 0.00	42.70 -0.26 0.00	55.27 0.07 0.00	57.58 0.33 0.00	42.13 0.05 0.00	31.37 -0.23 0.02	33.84 -0.31 0.00	31.44 -0.31 0.00	30.65 -0.33 0.00	25.23 -0.34 0.00	24.76 -0.34 0.00	32.64 -0.35 0.00	49.90 -0.22 0.00	42.16 0.05 0.00	41.31 0.13 0.01	94.28 0.11 -22.34	52.57 -0.09 -6.73	45.90 -0.40 0.38	45.80 -0.45 0.67	45.06 -0.46 0.58
BROWNFLS_115KV_TB_3_5 80003	44.81 0.22 0.00	43.15 0.30 0.00	42.57 0.24 0.00	41.27 0.14 0.00	43.89 0.13 0.00	43.06 0.09 0.00	55.17 -0.03 0.00	57.23 -0.02 0.00	41.98 -0.10 0.00	31.39 -0.22 0.00	33.69 -0.46 0.00	31.23 -0.52 0.00	30.50 -0.47 0.00	25.17 -0.41 0.00	24.65 -0.45 0.00	32.48 -0.51 0.00	49.80 -0.32 0.00	42.14 0.03 0.00	41.22 0.03 0.00	72.20 0.36 0.00	46.23 0.29 0.00	47.15 0.47 0.00	47.36 0.44 0.00	46.70 0.59 0.00
BROWNSV1_27_KV_LOAD 356125	47.03 2.44 0.00	44.93 2.08 0.00	44.38 2.05 0.00	43.18 2.04 0.00	45.97 2.21 0.00	45.34 2.38 0.00	58.83 3.63 0.00	61.52 4.27 0.00	45.25 3.17 0.00	33.91 2.30 0.00	36.84 2.66 -0.02	35.07 2.54 -0.78	33.33 2.36 0.00	27.53 1.96 0.00	27.07 1.96 0.00	35.50 2.51 0.00	53.76 3.64 0.00	45.44 3.34 0.00	44.78 3.60 0.00	77.57 5.74 0.00	49.54 3.61 0.00	49.64 2.97 0.00	49.73 2.81 0.00	48.87 2.77 0.00
BURROWS___LYONSDAL 23803	45.43 0.84 0.00	43.59 0.74 0.00	42.91 0.58 0.00	41.68 0.55 0.00	44.37 0.61 0.00	43.71 0.74 0.00	56.66 1.46 0.00	58.95 1.71 0.00	43.09 1.01 0.00	32.01 0.40 0.01	34.39 0.24 0.00	31.90 0.15 0.00	31.08 0.11 0.00	25.65 0.07 0.00	25.16 0.06 0.00	33.20 0.20 0.00	51.03 0.91 0.00	43.25 1.15 0.00	42.40 1.22 0.00	73.48 2.09 0.44	46.94 1.31 0.30	47.33 1.21 0.56	47.75 1.09 0.27	46.90 1.02 0.23
CAITHNESS_CC_1 323624	47.47 2.88 0.00	45.52 2.67 0.00	45.00 2.68 0.00	43.79 2.66 0.00	46.59 2.83 0.00	45.94 2.98 0.00	59.86 4.66 0.00	62.49 5.24 0.00	45.76 3.68 0.00	33.92 2.31 0.00	36.83 2.68 0.00	34.32 2.55 -0.02	33.30 2.33 0.00	27.50 1.93 0.00	29.52 2.09 -2.33	82.87 2.85 -47.02	59.45 4.49 -4.84	46.74 4.05 -0.58	51.01 4.58 -5.24	87.96 7.27 -8.86	82.87 4.55 -32.39	60.50 3.85 -9.97	58.74 3.68 -8.14	51.22 3.69 -1.43
CALPINE BETH_PAGE_GT4 24209	47.18 2.59 0.00	45.19 2.34 0.00	44.63 2.30 0.00	43.42 2.28 0.00	46.24 2.48 0.00	45.58 2.61 0.00	59.07 3.87 0.00	61.69 4.44 0.00	45.31 3.23 0.00	33.73 2.11 0.00	36.64 2.48 0.00	34.17 2.40 -0.02	33.18 2.21 0.00	27.42 1.85 0.00	29.38 1.94 -2.33	82.60 2.59 -47.02	58.80 3.84 -4.84	46.13 3.45 -0.58	50.16 3.74 -5.24	86.56 5.87 -8.86	82.09 3.77 -32.39	59.92 3.28 -9.97	58.18 3.12 -8.14	50.68 3.14 -1.43
CALPINE_BETH_PAGE_GT_4 323586	47.18 2.59 0.00	45.19 2.33 0.00	44.63 2.30 0.00	43.42 2.28 0.00	46.24 2.48 0.00	45.58 2.62 0.00	59.08 3.87 0.00	61.69 4.44 0.00	45.31 3.23 0.00	33.73 2.11 0.00	36.64 2.48 0.00	34.17 2.39 -0.02	33.18 2.21 0.00	27.42 1.85 0.00	29.38 1.95 -2.33	82.60 2.59 -47.02	58.79 3.83 -4.84	46.13 3.44 -0.58	50.16 3.74 -5.24	86.55 5.86 -8.86	82.07 3.75 -32.39	59.92 3.27 -9.97	58.16 3.10 -8.14	50.68 3.14 -1.43
CALPINE_BP_GT1 23823	47.18 2.59 0.00	45.19 2.33 0.00	44.63 2.30 0.00	43.42 2.28 0.00	46.24 2.48 0.00	45.58 2.62 0.00	59.08 3.87 0.00	61.69 4.44 0.00	45.31 3.23 0.00	33.73 2.11 0.00	36.64 2.48 0.00	34.17 2.39 -0.02	33.18 2.21 0.00	27.42 1.85 0.00	29.38 1.95 -2.33	82.60 2.59 -47.02	58.79 3.83 -4.84	46.13 3.44 -0.58	50.16 3.74 -5.24	86.55 5.86 -8.86	82.07 3.75 -32.39	59.92 3.27 -9.97	58.16 3.10 -8.14	50.68 3.14 -1.43
CALSPAN___DRP 24200	40.86 -3.73 0.00	39.85 -3.00 0.00	39.18 -3.14 0.00	38.00 -3.13 0.00	40.50 -3.26 0.00	40.01 -2.96 0.00	51.18 -4.02 0.00	52.86 -4.39 0.00	39.09 -2.99 0.00	28.98 -2.58 0.05	31.14 -3.01 0.00	28.79 -2.96 0.00	28.40 -2.57 0.00	23.23 -2.34 0.00	22.56 -2.54 0.00	29.51 -3.47 0.01	45.23 -4.88 0.01	38.29 -3.82 0.00	37.31 -3.85 0.02	40.97 -7.28 23.58	32.62 -4.91 8.40	36.72 -5.18 4.77	40.25 -4.82 1.85	40.03 -4.48 1.59

CALVERTON___SOLAR 323806	47.64 3.04 0.00	45.67 2.82 0.00	45.17 2.84 0.00	43.96 2.82 0.00	46.76 3.00 0.00	46.18 3.21 0.00	60.26 5.06 0.00	62.90 5.65 0.00	46.02 3.94 0.00	34.07 2.46 0.00	36.95 2.79 0.00	34.43 2.66 -0.02	33.40 2.43 0.00	27.58 2.01 0.00	29.60 2.16 -2.33	82.99 2.98 -47.02	59.75 4.78 -4.84	47.04 4.35 -0.58	51.32 4.90 -5.24	88.53 7.83 -8.86	83.22 4.89 -32.39	60.84 4.19 -9.97	59.03 3.97 -8.14	51.50 3.96 -1.43
CANDIGU_WT_PWR 323617	43.17 -1.42 0.00	41.38 -1.47 0.00	40.94 -1.39 0.00	39.65 -1.48 0.00	42.65 -1.11 0.00	42.14 -0.82 0.00	54.80 -0.40 0.00	57.43 0.18 0.00	41.73 -0.35 0.00	30.96 -0.62 0.03	33.39 -0.76 0.00	31.02 -0.74 0.00	30.27 -0.70 0.00	24.79 -0.79 0.00	24.27 -0.83 0.00	32.18 -0.80 0.00	49.55 -0.56 0.00	42.11 0.01 0.00	41.34 0.17 0.01	118.55 0.21 -46.50	59.96 -0.16 -14.18	45.86 -0.62 0.20	45.13 -0.68 1.11	44.41 -0.74 0.95
CARR STREET_E_SYR 24060	42.79 -1.80 0.00	41.14 -1.72 0.00	40.56 -1.76 0.00	39.42 -1.71 0.00	42.03 -1.73 0.00	41.43 -1.53 0.00	53.54 -1.66 0.00	55.65 -1.60 0.00	40.79 -1.29 0.00	30.37 -1.20 0.03	32.78 -1.38 0.00	30.44 -1.31 0.00	29.71 -1.26 0.00	24.50 -1.07 0.00	24.03 -1.07 0.00	31.60 -1.39 0.01	48.26 -1.85 0.01	40.78 -1.33 0.00	39.92 -1.25 0.01	67.58 -2.36 1.90	43.02 -1.61 1.30	42.42 -1.85 2.42	43.85 -1.92 1.15	43.20 -1.92 0.99
CARTHAGE___PAPER 23857	45.20 0.61 0.00	43.39 0.54 0.00	42.65 0.32 0.00	41.35 0.21 0.00	44.02 0.26 0.00	43.40 0.43 0.00	56.29 1.09 0.00	58.62 1.37 0.00	42.77 0.69 0.00	31.55 -0.06 0.00	33.73 -0.42 0.00	31.28 -0.47 0.00	30.50 -0.48 0.00	25.15 -0.42 0.00	24.62 -0.48 0.00	32.54 -0.45 0.00	50.36 0.25 0.00	43.03 0.92 0.00	42.23 1.04 0.00	73.73 1.90 0.00	47.13 1.19 0.00	47.84 1.17 0.00	47.97 1.05 0.00	47.08 0.97 0.00
CASSADAGA_WT_PWR 323784	41.94 -2.66 0.00	40.68 -2.17 0.00	39.90 -2.42 0.00	39.08 -2.05 0.00	41.52 -2.24 0.00	40.88 -2.08 0.00	53.05 -2.15 0.00	55.02 -2.24 0.00	40.73 -1.35 0.00	30.21 -1.35 0.05	32.52 -1.63 0.00	30.11 -1.64 0.00	29.70 -1.28 0.00	24.24 -1.33 0.00	23.52 -1.58 0.00	30.89 -2.09 0.01	47.46 -2.65 0.01	40.16 -1.95 0.00	38.96 -2.20 0.02	51.24 -4.42 16.17	36.98 -2.95 6.01	39.19 -3.21 4.27	42.26 -2.89 1.76	41.90 -2.69 1.52
CE_DUNWOOD___DRP 24194	46.47 1.88 0.00	44.46 1.60 0.00	43.89 1.56 0.00	42.71 1.57 0.00	45.46 1.70 0.00	44.77 1.81 0.00	58.12 2.92 0.00	60.70 3.45 0.00	44.54 2.46 0.00	33.28 1.67 0.00	36.09 1.93 0.00	33.64 1.87 -0.02	32.68 1.71 0.00	26.99 1.42 0.00	26.55 1.44 0.00	34.87 1.88 0.00	52.90 2.79 0.00	44.76 2.65 0.00	44.02 2.84 0.00	76.29 4.46 0.00	48.74 2.80 0.00	48.98 2.30 0.00	49.12 2.20 0.00	48.24 2.14 0.00
CE_MILLWOOD___DRP 24193	46.42 1.83 0.00	44.43 1.58 0.00	43.85 1.52 0.00	42.67 1.53 0.00	45.42 1.66 0.00	44.74 1.77 0.00	58.08 2.88 0.00	60.64 3.39 0.00	44.48 2.40 0.00	33.24 1.63 0.00	36.03 1.88 0.00	33.59 1.82 -0.02	32.63 1.66 0.00	26.95 1.38 0.00	26.51 1.40 0.00	34.82 1.83 0.00	52.85 2.73 0.00	44.71 2.60 0.00	43.98 2.79 0.00	76.20 4.37 0.00	48.68 2.75 0.00	48.93 2.26 0.00	49.06 2.15 0.00	48.16 2.06 0.00
CE_NYC2_DRP 24202	46.55 1.96 0.00	44.51 1.66 0.00	43.99 1.66 0.00	42.79 1.66 0.00	45.57 1.80 0.00	44.91 1.94 0.00	58.24 3.04 0.00	60.90 3.65 0.00	44.78 2.70 0.00	33.58 1.97 0.00	36.48 2.31 -0.02	34.88 2.21 -0.92	32.97 2.00 0.00	27.24 1.67 0.00	26.78 1.68 0.00	35.13 2.14 0.00	53.22 3.10 0.00	44.94 2.84 0.00	44.31 3.12 0.00	76.77 4.93 0.00	49.10 3.17 0.00	49.26 2.59 0.00	49.33 2.41 0.00	48.52 2.41 0.00
CE_NYC_DRP 24195	46.60 2.01 0.00	44.53 1.68 0.00	44.00 1.67 0.00	42.82 1.68 0.00	45.60 1.84 0.00	44.94 1.98 0.00	58.27 3.07 0.00	60.90 3.65 0.00	44.80 2.72 0.00	33.60 1.99 0.00	36.50 2.33 -0.02	34.75 2.24 -0.76	33.02 2.05 0.00	27.29 1.72 0.00	26.82 1.72 0.00	35.18 2.19 0.00	53.26 3.15 0.00	45.02 2.91 0.00	44.34 3.15 0.00	76.80 4.96 0.00	49.05 3.12 0.00	49.15 2.47 0.00	49.24 2.32 0.00	48.45 2.34 0.00
CHAFFEE___LFGE 323603	41.03 -3.56 0.00	39.99 -2.86 0.00	39.31 -3.02 0.00	38.13 -3.01 0.00	40.66 -3.10 0.00	40.14 -2.83 0.00	51.40 -3.80 0.00	53.09 -4.16 0.00	39.24 -2.84 0.00	29.08 -2.48 0.05	31.29 -2.86 0.00	28.88 -2.87 0.00	28.48 -2.50 0.00	23.30 -2.27 0.00	22.60 -2.50 0.00	29.64 -3.34 0.01	45.40 -4.71 0.01	38.43 -3.68 0.00	37.46 -3.71 0.02	45.30 -6.97 19.57	34.15 -4.67 7.11	37.21 -4.97 4.50	40.49 -4.63 1.80	40.19 -4.36 1.55
CHATEAUG_35_KV_LOAD 355732	46.37 1.78 0.00	44.61 1.75 0.00	44.56 2.23 0.00	42.94 1.81 0.00	45.51 1.75 0.00	44.60 1.63 0.00	56.59 1.39 0.00	58.20 0.95 0.00	42.94 0.86 0.00	32.67 1.06 0.00	35.09 0.93 0.00	32.57 0.82 0.00	31.88 0.91 0.00	26.36 0.78 0.00	25.70 0.60 0.00	33.92 0.92 0.00	51.77 1.66 0.00	43.41 1.31 0.00	42.37 1.19 0.00	74.25 2.41 0.00	47.57 1.63 0.00	48.75 2.08 0.00	49.04 2.12 0.00	48.50 2.40 0.00
CHATEAUG_WT_PWR 323614	46.26 1.67 0.00	44.47 1.61 0.00	44.45 2.12 0.00	42.83 1.69 0.00	45.36 1.60 0.00	44.45 1.49 0.00	56.44 1.24 0.00	58.03 0.78 0.00	42.77 0.69 0.00	32.56 0.95 0.00	34.99 0.84 0.00	32.49 0.73 0.00	31.79 0.82 0.00	26.30 0.72 0.00	25.64 0.54 0.00	33.85 0.86 0.00	51.68 1.56 0.00	43.32 1.22 0.00	42.29 1.10 0.00	74.02 2.19 0.00	47.38 1.44 0.00	48.55 1.87 0.00	48.85 1.93 0.00	48.36 2.26 0.00
CHAT_HIGH_FALL_HYD 323578	46.37 1.78 0.00	44.61 1.75 0.00	44.56 2.23 0.00	42.94 1.81 0.00	45.51 1.75 0.00	44.60 1.63 0.00	56.59 1.39 0.00	58.20 0.95 0.00	42.94 0.86 0.00	32.67 1.06 0.00	35.09 0.93 0.00	32.57 0.82 0.00	31.88 0.91 0.00	26.36 0.78 0.00	25.70 0.60 0.00	33.92 0.92 0.00	51.77 1.66 0.00	43.41 1.31 0.00	42.37 1.19 0.00	74.25 2.41 0.00	47.57 1.63 0.00	48.75 2.08 0.00	49.04 2.12 0.00	48.50 2.40 0.00
CHAUTAUQUA___LFGE 323629	41.30 -3.29 0.00	40.17 -2.68 0.00	39.45 -2.88 0.00	38.41 -2.73 0.00	40.95 -2.81 0.00	40.37 -2.60 0.00	52.01 -3.19 0.00	53.96 -3.29 0.00	39.87 -2.21 0.00	29.52 -2.04 0.05	31.75 -2.41 0.00	29.36 -2.39 0.00	28.94 -2.04 0.00	23.62 -1.95 0.00	22.94 -2.17 0.00	30.12 -2.86 0.01	46.24 -3.87 0.01	39.17 -2.94 0.00	38.13 -3.04 0.02	46.98 -5.75 19.11	35.13 -3.85 6.95	38.07 -4.15 4.46	41.27 -3.85 1.79	40.91 -3.66 1.54
CHERRYST_13_KV_LD 356241	46.72 2.13 0.00	44.65 1.79 0.00	44.11 1.78 0.00	42.92 1.79 0.00	45.71 1.95 0.00	45.07 2.10 0.00	58.44 3.24 0.00	61.10 3.85 0.00	44.95 2.87 0.00	33.72 2.10 0.00	36.63 2.46 -0.02	34.86 2.35 -0.76	33.15 2.17 0.00	27.38 1.81 0.00	26.92 1.82 0.00	35.31 2.31 0.00	53.46 3.34 0.00	45.16 3.06 0.00	44.50 3.31 0.00	77.01 5.18 0.00	49.18 3.25 0.00	49.28 2.60 0.00	49.36 2.44 0.00	48.56 2.45 0.00

CHESTROR_138KV_BK263 355645	46.02 1.43 0.00	44.08 1.23 0.00	43.49 1.16 0.00	42.31 1.18 0.00	45.05 1.29 0.00	44.35 1.39 0.00	57.57 2.37 0.00	60.08 2.83 0.00	44.01 1.93 0.00	32.82 1.20 0.00	35.53 1.38 0.00	33.08 1.33 0.00	32.17 1.20 0.00	26.57 0.99 0.00	26.12 1.02 0.00	34.35 1.36 0.00	52.21 2.10 0.00	44.21 2.11 0.00	43.45 2.26 0.00	75.37 3.54 0.00	48.13 2.20 0.00	48.47 1.79 0.00	48.63 1.72 0.00	47.75 1.64 0.00
CH_MIDHUDSON___DRP 24192	46.48 1.89 0.00	44.48 1.63 0.00	43.91 1.58 0.00	42.74 1.60 0.00	45.47 1.71 0.00	44.74 1.78 0.00	58.10 2.90 0.00	60.59 3.34 0.00	44.39 2.32 0.00	33.18 1.57 0.00	35.91 1.76 0.00	33.45 1.69 0.00	32.49 1.52 0.00	26.85 1.27 0.00	26.44 1.33 0.00	34.75 1.76 0.00	52.77 2.66 0.00	44.63 2.52 0.00	43.87 2.68 0.00	76.11 4.27 0.00	48.59 2.66 0.00	48.88 2.20 0.00	48.99 2.07 0.00	48.15 2.04 0.00
CH_MISC_IPPS 23765	46.72 2.13 0.00	44.71 1.86 0.00	44.12 1.79 0.00	42.95 1.81 0.00	45.71 1.95 0.00	45.00 2.04 0.00	58.48 3.28 0.00	61.01 3.76 0.00	44.68 2.60 0.00	33.34 1.73 0.00	36.08 1.93 0.00	33.58 1.83 0.00	32.64 1.66 0.00	26.95 1.38 0.00	26.54 1.44 0.00	34.90 1.91 0.00	53.09 2.97 0.00	44.93 2.82 0.00	44.17 2.99 0.00	76.61 4.78 0.00	48.91 2.98 0.00	49.19 2.51 0.00	49.31 2.39 0.00	48.42 2.32 0.00
CH_RES_BVR_FALLS 23983	44.85 0.26 0.00	43.16 0.30 0.00	42.63 0.30 0.00	41.34 0.20 0.00	43.93 0.17 0.00	43.01 0.05 0.00	54.94 -0.26 0.00	56.88 -0.38 0.00	41.99 -0.09 0.00	31.73 0.12 0.00	34.27 0.12 0.00	31.85 0.10 0.00	31.12 0.15 0.00	25.69 0.12 0.00	25.17 0.07 0.00	33.07 0.08 0.00	50.17 0.06 0.00	42.02 -0.08 0.00	41.01 -0.17 0.00	71.81 -0.02 0.00	46.02 0.08 0.00	47.00 0.32 0.00	47.29 0.37 0.00	46.48 0.37 0.00
CH_RES_NIAGARA 23895	39.35 -5.24 0.00	38.57 -4.28 0.00	37.89 -4.44 0.00	36.77 -4.36 0.00	39.14 -4.62 0.00	38.64 -4.33 0.00	49.03 -6.17 0.00	50.22 -7.03 0.00	37.25 -4.83 0.00	27.66 -3.90 0.05	29.72 -4.44 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.49 -3.62 0.00	28.07 -4.91 0.01	42.89 -7.22 0.01	36.32 -5.79 0.00	35.35 -5.81 0.02	32.99 -10.65 28.19	29.08 -6.97 9.89	34.35 -7.22 5.11	38.33 -6.67 1.92	38.14 -6.32 1.65
CH_RES_SYRACUSE 23985	43.38 -1.21 0.00	41.71 -1.15 0.00	41.12 -1.20 0.00	39.95 -1.19 0.00	42.62 -1.14 0.00	42.02 -0.95 0.00	54.33 -0.87 0.00	56.44 -0.80 0.00	41.31 -0.77 0.00	30.78 -0.82 0.02	33.20 -0.96 0.00	30.82 -0.93 0.00	30.08 -0.89 0.00	24.81 -0.76 0.00	24.33 -0.77 0.00	32.01 -0.98 0.00	48.92 -1.19 0.00	41.36 -0.75 0.00	40.48 -0.70 0.01	95.81 -1.35 -25.33	52.62 -0.98 -7.67	45.27 -1.21 0.20	44.99 -1.28 0.65	44.24 -1.30 0.56
CLINTON_WT_PWR 323605	46.26 1.67 0.00	44.47 1.61 0.00	44.45 2.12 0.00	42.83 1.69 0.00	45.36 1.60 0.00	44.45 1.49 0.00	56.44 1.24 0.00	58.03 0.78 0.00	42.77 0.69 0.00	32.56 0.95 0.00	34.99 0.84 0.00	32.49 0.73 0.00	31.79 0.82 0.00	26.30 0.72 0.00	25.64 0.54 0.00	33.85 0.86 0.00	51.68 1.56 0.00	43.32 1.22 0.00	42.29 1.10 0.00	74.02 2.19 0.00	47.38 1.44 0.00	48.55 1.87 0.00	48.85 1.93 0.00	48.36 2.26 0.00
CLINTON___LFGE 323618	47.00 2.41 0.00	45.20 2.35 0.00	45.24 2.91 0.00	43.54 2.41 0.00	46.08 2.32 0.00	45.14 2.17 0.00	57.36 2.16 0.00	59.00 1.75 0.00	43.51 1.42 0.00	33.00 1.39 0.00	35.37 1.21 0.00	32.78 1.03 0.00	32.08 1.11 0.00	26.55 0.98 0.00	25.86 0.76 0.00	34.23 1.24 0.00	52.38 2.26 0.00	44.00 1.90 0.00	43.00 1.81 0.00	75.23 3.40 0.00	48.11 2.18 0.00	49.25 2.58 0.00	49.53 2.61 0.00	49.14 3.04 0.00
COBBLENY_34_KV_TB1 80064	41.03 -3.56 0.00	40.01 -2.85 0.00	39.32 -3.01 0.00	38.14 -3.00 0.00	40.67 -3.09 0.00	40.15 -2.81 0.00	51.40 -3.80 0.00	53.09 -4.16 0.00	39.25 -2.83 0.00	29.09 -2.47 0.05	31.26 -2.89 0.00	28.89 -2.87 0.00	28.47 -2.50 0.00	23.30 -2.27 0.00	22.62 -2.48 0.00	29.60 -3.38 0.01	45.38 -4.73 0.01	38.42 -3.69 0.00	37.45 -3.71 0.02	45.25 -7.02 19.57	34.06 -4.77 7.10	37.12 -5.06 4.50	40.42 -4.70 1.80	40.17 -4.38 1.55
COFFEEN___115KV_TB3 355620	44.83 0.24 0.00	43.00 0.14 0.00	42.19 -0.13 0.00	40.90 -0.24 0.00	43.60 -0.16 0.00	43.06 0.10 0.00	56.09 0.89 0.00	58.48 1.23 0.00	42.60 0.52 0.00	31.21 -0.40 0.00	33.27 -0.88 0.00	30.86 -0.89 0.00	30.09 -0.88 0.00	24.78 -0.79 0.00	24.26 -0.85 0.00	32.04 -0.95 0.00	49.78 -0.34 0.00	42.83 0.72 0.00	42.18 1.00 0.00	73.57 1.74 0.00	46.98 1.05 0.00	47.61 0.93 0.00	47.68 0.76 0.00	46.72 0.61 0.00
COLDSPRG_115KV_BK1 355956	43.05 -1.54 0.00	41.69 -1.16 0.00	40.93 -1.40 0.00	39.86 -1.27 0.00	42.49 -1.27 0.00	41.85 -1.11 0.00	54.04 -1.16 0.00	56.13 -1.11 0.00	41.37 -0.71 0.00	30.60 -0.96 0.05	32.99 -1.16 0.00	30.60 -1.15 0.00	30.19 -0.78 0.00	24.69 -0.89 0.00	23.97 -1.13 0.00	31.44 -1.54 0.01	48.34 -1.77 0.01	40.82 -1.28 0.00	39.69 -1.48 0.02	57.21 -3.11 11.52	39.16 -2.27 4.51	40.10 -2.60 3.97	42.89 -2.32 1.71	42.57 -2.07 1.47
COLONIE_LFGE___ 323577	46.00 1.41 0.00	44.06 1.20 0.00	43.59 1.26 0.00	42.44 1.30 0.00	45.13 1.37 0.00	44.34 1.37 0.00	57.44 2.24 0.00	59.60 2.35 0.00	43.57 1.49 0.00	32.56 0.94 0.00	35.18 1.03 0.00	32.71 0.96 0.00	31.85 0.88 0.00	26.36 0.78 0.00	25.97 0.86 0.00	34.19 1.20 0.00	51.88 1.76 0.00	43.65 1.54 0.00	42.79 1.60 0.00	74.43 2.60 0.00	47.58 1.65 0.00	48.01 1.33 0.00	48.09 1.18 0.00	47.33 1.23 0.00
COOPERNY_115KV_TB1 80082	45.59 1.00 0.00	43.69 0.84 0.00	43.12 0.79 0.00	41.93 0.80 0.00	44.65 0.88 0.00	43.95 0.99 0.00	56.97 1.77 0.00	59.35 2.10 0.00	43.49 1.41 0.00	32.48 0.87 0.00	35.14 0.98 0.00	32.71 0.96 0.00	31.83 0.85 0.00	26.26 0.69 0.00	25.82 0.71 0.00	33.93 0.94 0.00	51.61 1.49 0.00	43.61 1.51 0.00	42.82 1.64 0.00	74.36 2.55 0.02	47.53 1.59 0.00	47.94 1.26 0.00	48.14 1.22 0.00	47.26 1.16 0.00
COPENHAGEN_WT_PWR 323753	44.43 -0.16 0.00	42.59 -0.27 0.00	41.73 -0.60 0.00	40.42 -0.72 0.00	43.07 -0.69 0.00	42.50 -0.46 0.00	55.33 0.13 0.00	57.71 0.46 0.00	42.16 0.08 0.00	31.04 -0.57 0.00	33.18 -0.97 0.00	30.80 -0.95 0.00	30.03 -0.94 0.00	24.75 -0.83 0.00	24.22 -0.88 0.00	31.99 -1.00 0.00	49.52 -0.60 0.00	42.40 0.30 0.00	41.64 0.45 0.00	72.62 0.79 0.00	46.41 0.48 0.00	47.10 0.42 0.00	47.21 0.29 0.00	46.28 0.17 0.00
CORNELL_____ 23752	44.69 0.10 0.00	42.90 0.05 0.00	42.31 -0.01 0.00	41.10 -0.03 0.00	43.89 0.13 0.00	43.35 0.39 0.00	56.22 1.02 0.00	58.63 1.38 0.00	42.79 0.71 0.00	31.69 0.10 0.02	34.04 -0.11 0.00	31.55 -0.20 0.00	30.76 -0.22 0.00	25.34 -0.23 0.00	24.87 -0.23 0.00	32.85 -0.13 0.00	50.45 0.34 0.00	42.86 0.75 0.00	42.05 0.87 0.01	114.52 1.38 -41.30	59.30 0.68 -12.68	47.24 0.37 -0.20	46.39 0.27 0.80	45.60 0.18 0.69

CORONA_69_KV_TB1 355595	47.25 2.66 0.00	45.27 2.42 0.00	44.72 2.39 0.00	43.50 2.37 0.00	46.27 2.51 0.00	45.53 2.56 0.00	58.87 3.67 0.00	61.49 4.24 0.00	45.13 3.05 0.00	33.72 2.11 0.00	36.64 2.49 0.00	34.21 2.44 -0.02	33.22 2.24 0.00	27.45 1.87 0.00	29.38 1.95 -2.33	82.51 2.50 -47.02	58.63 3.67 -4.84	46.02 3.33 -0.58	49.97 3.55 -5.23	86.10 5.40 -8.86	81.85 3.53 -32.39	59.72 3.07 -9.97	58.09 3.04 -8.14	50.52 2.99 -1.43
CORTLAND_115KV_TB3 80093	44.37 -0.22 0.00	42.58 -0.28 0.00	42.00 -0.33 0.00	40.81 -0.33 0.00	43.55 -0.22 0.00	42.95 -0.01 0.00	55.64 0.44 0.00	57.96 0.71 0.00	42.35 0.27 0.00	31.45 -0.14 0.02	33.85 -0.31 0.00	31.42 -0.33 0.00	30.64 -0.34 0.00	25.24 -0.33 0.00	24.77 -0.33 0.00	32.66 -0.33 0.00	50.04 -0.07 0.00	42.40 0.30 0.00	41.57 0.39 0.01	93.95 0.55 -21.56	52.52 0.18 -6.40	45.96 -0.10 0.62	45.97 -0.17 0.77	45.21 -0.23 0.67
COXSACKIE___GT 23611	48.08 3.49 0.00	46.06 3.21 0.00	45.57 3.24 0.00	44.35 3.22 0.00	47.22 3.46 0.00	46.49 3.52 0.00	60.27 5.08 0.00	62.68 5.43 0.00	45.49 3.42 0.00	33.32 1.71 0.00	35.61 1.46 0.00	33.04 1.29 0.00	32.18 1.20 0.00	26.66 1.09 0.00	26.31 1.21 0.00	34.91 1.91 0.00	53.83 3.71 0.00	45.77 3.66 0.00	44.84 3.65 0.00	77.85 6.02 0.00	49.57 3.64 0.00	49.96 3.28 0.00	49.92 3.00 0.00	49.00 2.89 0.00
CPV_VALLEY___CC1 323721	45.66 1.08 0.00	43.75 0.89 0.00	43.17 0.84 0.00	42.00 0.86 0.00	44.70 0.94 0.00	44.01 1.05 0.00	57.12 1.92 0.00	59.56 2.31 0.00	43.63 1.55 0.00	32.58 0.97 0.00	35.27 1.11 0.00	32.84 1.09 0.00	31.95 0.98 0.00	26.39 0.82 0.00	25.95 0.85 0.00	34.08 1.09 0.00	51.80 1.68 0.00	43.82 1.72 0.00	43.04 1.86 0.00	74.68 2.86 0.01	47.71 1.77 0.00	48.07 1.39 0.00	48.25 1.33 0.00	47.37 1.26 0.00
CPV_VALLEY___CC2 323722	45.66 1.08 0.00	43.75 0.89 0.00	43.17 0.84 0.00	42.00 0.86 0.00	44.70 0.94 0.00	44.01 1.05 0.00	57.12 1.92 0.00	59.56 2.31 0.00	43.63 1.55 0.00	32.58 0.97 0.00	35.27 1.11 0.00	32.84 1.09 0.00	31.95 0.98 0.00	26.39 0.82 0.00	25.95 0.85 0.00	34.08 1.09 0.00	51.80 1.68 0.00	43.82 1.72 0.00	43.04 1.86 0.00	74.68 2.86 0.01	47.71 1.77 0.00	48.07 1.39 0.00	48.25 1.33 0.00	47.37 1.26 0.00
CRESCENT___HYD 24018	46.00 1.41 0.00	44.06 1.20 0.00	43.59 1.26 0.00	42.44 1.30 0.00	45.13 1.37 0.00	44.34 1.37 0.00	57.44 2.24 0.00	59.60 2.35 0.00	43.57 1.49 0.00	32.56 0.94 0.00	35.18 1.03 0.00	32.71 0.96 0.00	31.85 0.88 0.00	26.36 0.78 0.00	25.97 0.86 0.00	34.19 1.20 0.00	51.88 1.76 0.00	43.65 1.54 0.00	42.79 1.60 0.00	74.43 2.60 0.00	47.58 1.65 0.00	48.01 1.33 0.00	48.09 1.18 0.00	47.33 1.23 0.00
CRICKET___VALLEY_CC1 323756	46.17 1.58 0.00	44.15 1.30 0.00	43.60 1.27 0.00	42.45 1.32 0.00	45.11 1.35 0.00	44.31 1.35 0.00	57.55 2.35 0.00	60.00 2.75 0.00	43.94 1.86 0.00	32.92 1.31 0.00	35.64 1.49 0.00	33.22 1.47 0.00	32.26 1.29 0.00	26.67 1.09 0.00	26.30 1.19 0.00	34.54 1.55 0.00	52.34 2.22 0.00	44.20 2.09 0.00	43.46 2.27 0.00	75.39 3.56 0.00	48.13 2.20 0.00	48.39 1.71 0.00	48.47 1.55 0.00	47.72 1.62 0.00
CRICKET___VALLEY_CC2 323757	46.17 1.58 0.00	44.15 1.30 0.00	43.60 1.27 0.00	42.45 1.32 0.00	45.11 1.35 0.00	44.31 1.35 0.00	57.55 2.35 0.00	60.00 2.75 0.00	43.94 1.86 0.00	32.92 1.31 0.00	35.64 1.49 0.00	33.22 1.47 0.00	32.26 1.29 0.00	26.67 1.09 0.00	26.30 1.19 0.00	34.54 1.55 0.00	52.34 2.22 0.00	44.20 2.09 0.00	43.46 2.27 0.00	75.39 3.56 0.00	48.13 2.20 0.00	48.39 1.71 0.00	48.47 1.55 0.00	47.72 1.62 0.00
CRICKET___VALLEY_CC3 323758	46.17 1.58 0.00	44.15 1.30 0.00	43.60 1.27 0.00	42.45 1.32 0.00	45.11 1.35 0.00	44.31 1.35 0.00	57.55 2.35 0.00	60.00 2.75 0.00	43.94 1.86 0.00	32.92 1.31 0.00	35.64 1.49 0.00	33.22 1.47 0.00	32.26 1.29 0.00	26.67 1.09 0.00	26.30 1.19 0.00	34.54 1.55 0.00	52.34 2.22 0.00	44.20 2.09 0.00	43.46 2.27 0.00	75.39 3.56 0.00	48.13 2.20 0.00	48.39 1.71 0.00	48.47 1.55 0.00	47.72 1.62 0.00
CRUCIBLE_METL_DRP 24180	43.38 -1.20 0.00	41.70 -1.15 0.00	41.13 -1.20 0.00	39.95 -1.19 0.00	42.62 -1.14 0.00	42.02 -0.95 0.00	54.33 -0.87 0.00	56.44 -0.80 0.00	41.31 -0.77 0.00	30.78 -0.82 0.02	33.19 -0.96 0.00	30.83 -0.93 0.00	30.08 -0.89 0.00	24.81 -0.76 0.00	24.33 -0.77 0.00	32.01 -0.98 0.00	48.92 -1.19 0.00	41.36 -0.74 0.00	40.48 -0.70 0.01	95.80 -1.36 -25.33	52.61 -0.99 -7.67	45.26 -1.21 0.20	44.98 -1.29 0.65	44.24 -1.31 0.56
DAHOWA___HYDRO 323763	46.04 1.45 0.00	44.05 1.20 0.00	43.65 1.32 0.00	42.47 1.33 0.00	45.21 1.45 0.00	44.47 1.50 0.00	57.79 2.59 0.00	60.02 2.77 0.00	43.70 1.62 0.00	32.61 1.00 0.00	35.15 1.00 0.00	32.67 0.92 0.00	31.86 0.89 0.00	26.27 0.70 0.00	25.87 0.77 0.00	34.19 1.20 0.00	52.23 2.11 0.00	43.98 1.88 0.00	43.21 2.02 0.00	75.19 3.36 0.00	47.91 1.98 0.00	48.29 1.62 0.00	48.25 1.33 0.00	47.43 1.32 0.00
DANC___LFGE 323619	43.73 -0.86 0.00	41.93 -0.92 0.00	41.20 -1.13 0.00	39.96 -1.18 0.00	42.58 -1.18 0.00	41.97 -0.99 0.00	54.50 -0.70 0.00	56.78 -0.47 0.00	41.51 -0.57 0.00	30.71 -0.90 0.00	32.92 -1.23 0.00	30.57 -1.18 0.00	29.82 -1.15 0.00	24.57 -1.00 0.00	24.06 -1.04 0.00	31.72 -1.27 0.00	48.87 -1.25 0.00	41.66 -0.44 0.00	40.90 -0.29 0.00	71.27 -0.57 0.00	45.51 -0.42 0.00	46.17 -0.51 0.00	46.33 -0.59 0.00	45.43 -0.67 0.00
DANSKAMMER___1 23586	46.72 2.13 0.00	44.71 1.86 0.00	44.12 1.79 0.00	42.95 1.81 0.00	45.71 1.95 0.00	45.00 2.04 0.00	58.48 3.28 0.00	61.01 3.76 0.00	44.68 2.60 0.00	33.34 1.73 0.00	36.08 1.93 0.00	33.58 1.83 0.00	32.64 1.66 0.00	26.95 1.38 0.00	26.54 1.44 0.00	34.90 1.91 0.00	53.09 2.97 0.00	44.93 2.82 0.00	44.17 2.99 0.00	76.61 4.78 0.00	48.91 2.98 0.00	49.19 2.51 0.00	49.31 2.39 0.00	48.42 2.32 0.00
DANSKAMMER___2 23589	46.72 2.13 0.00	44.71 1.86 0.00	44.12 1.79 0.00	42.95 1.81 0.00	45.71 1.95 0.00	45.00 2.04 0.00	58.48 3.28 0.00	61.01 3.76 0.00	44.68 2.60 0.00	33.34 1.73 0.00	36.08 1.93 0.00	33.58 1.83 0.00	32.64 1.66 0.00	26.95 1.38 0.00	26.54 1.44 0.00	34.90 1.91 0.00	53.09 2.97 0.00	44.93 2.82 0.00	44.17 2.99 0.00	76.61 4.78 0.00	48.91 2.98 0.00	49.19 2.51 0.00	49.31 2.39 0.00	48.42 2.32 0.00
DANSKAMMER___3 23590	46.72 2.13 0.00	44.71 1.86 0.00	44.12 1.79 0.00	42.95 1.81 0.00	45.71 1.95 0.00	45.00 2.04 0.00	58.48 3.28 0.00	61.01 3.76 0.00	44.68 2.60 0.00	33.34 1.73 0.00	36.08 1.93 0.00	33.58 1.83 0.00	32.64 1.66 0.00	26.95 1.38 0.00	26.54 1.44 0.00	34.90 1.91 0.00	53.09 2.97 0.00	44.93 2.82 0.00	44.17 2.99 0.00	76.61 4.78 0.00	48.91 2.98 0.00	49.19 2.51 0.00	49.31 2.39 0.00	48.42 2.32 0.00

DANSKAMMER___4 23591	46.72 2.13 0.00	44.71 1.86 0.00	44.12 1.79 0.00	42.95 1.81 0.00	45.71 1.95 0.00	45.00 2.04 0.00	58.48 3.28 0.00	61.01 3.76 0.00	44.68 2.60 0.00	33.34 1.73 0.00	36.08 1.93 0.00	33.58 1.83 0.00	32.64 1.66 0.00	26.95 1.38 0.00	26.54 1.44 0.00	34.90 1.91 0.00	53.09 2.97 0.00	44.93 2.82 0.00	44.17 2.99 0.00	76.61 4.78 0.00	48.91 2.98 0.00	49.19 2.51 0.00	49.31 2.39 0.00	48.42 2.32 0.00
DANSKAMMER___DIESEL 23592	46.72 2.13 0.00	44.71 1.86 0.00	44.12 1.79 0.00	42.95 1.81 0.00	45.71 1.95 0.00	45.00 2.04 0.00	58.48 3.28 0.00	61.01 3.76 0.00	44.68 2.60 0.00	33.34 1.73 0.00	36.08 1.93 0.00	33.58 1.83 0.00	32.64 1.66 0.00	26.95 1.38 0.00	26.54 1.43 0.00	34.91 1.92 0.00	53.09 2.97 0.00	44.93 2.82 0.00	44.17 2.99 0.00	76.62 4.78 0.00	48.92 2.98 0.00	49.20 2.52 0.00	49.31 2.39 0.00	48.42 2.32 0.00
DARBY___SOLAR 323810	46.02 1.43 0.00	44.04 1.19 0.00	43.62 1.29 0.00	42.45 1.31 0.00	45.17 1.41 0.00	44.42 1.45 0.00	57.69 2.49 0.00	59.90 2.65 0.00	43.64 1.56 0.00	32.56 0.95 0.00	35.11 0.96 0.00	32.63 0.88 0.00	31.81 0.84 0.00	26.25 0.67 0.00	25.86 0.76 0.00	34.15 1.16 0.00	52.14 2.02 0.00	43.91 1.81 0.00	43.13 1.94 0.00	75.02 3.19 0.00	47.84 1.90 0.00	48.23 1.55 0.00	48.23 1.31 0.00	47.41 1.30 0.00
DASHVILLE___HYD 23610	46.33 1.75 0.00	44.35 1.50 0.00	43.75 1.42 0.00	42.58 1.45 0.00	45.32 1.56 0.00	44.61 1.65 0.00	57.96 2.77 0.00	60.51 3.26 0.00	44.36 2.28 0.00	33.13 1.52 0.00	35.84 1.69 0.00	33.36 1.61 0.00	32.40 1.43 0.00	26.76 1.19 0.00	26.34 1.24 0.00	34.64 1.64 0.00	52.62 2.50 0.00	44.57 2.47 0.00	43.87 2.68 0.00	76.07 4.24 0.00	48.59 2.65 0.00	48.86 2.18 0.00	49.00 2.08 0.00	48.13 2.03 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	48.04 3.45 0.00	46.01 3.16 0.00	45.55 3.23 0.00	44.37 3.23 0.00	47.21 3.45 0.00	46.68 3.72 0.00	61.04 5.85 0.00	63.76 6.51 0.00	46.53 4.45 0.00	34.40 2.79 0.00	37.29 3.14 0.00	34.77 2.99 -0.02	33.71 2.74 0.00	27.79 2.22 0.00	29.78 2.35 -2.33	83.23 3.22 -47.02	60.25 5.29 -4.84	47.52 4.83 -0.58	51.86 5.43 -5.24	89.53 8.83 -8.86	83.90 5.58 -32.39	61.48 4.83 -9.97	59.56 4.51 -8.14	51.99 4.46 -1.43
DELAWARE___LFGE 323621	45.64 1.05 0.00	43.80 0.95 0.00	43.22 0.89 0.00	42.00 0.87 0.00	44.76 1.00 0.00	44.10 1.14 0.00	57.08 1.89 0.00	59.37 2.12 0.00	43.52 1.44 0.00	32.50 0.90 0.01	35.10 0.95 0.00	32.62 0.87 0.00	31.80 0.82 0.00	26.22 0.65 0.00	25.72 0.62 0.00	33.83 0.84 0.00	51.54 1.43 0.00	43.53 1.42 0.00	42.68 1.49 0.00	86.71 2.43 -12.44	51.14 1.47 -3.74	47.66 1.21 0.23	47.75 1.21 0.38	46.95 1.17 0.33
DERFIELD_115KV_TB7 355931	44.75 0.16 0.00	42.94 0.09 0.00	42.41 0.09 0.00	41.25 0.12 0.00	43.89 0.13 0.00	43.12 0.16 0.00	55.60 0.40 0.00	57.71 0.46 0.00	42.36 0.28 0.00	31.74 0.13 0.00	34.29 0.13 0.00	31.88 0.13 0.00	31.08 0.10 0.00	25.68 0.10 0.00	25.23 0.12 0.00	33.16 0.16 0.00	50.38 0.27 0.00	42.40 0.30 0.00	41.52 0.33 0.00	72.31 0.48 0.00	46.21 0.28 0.00	46.85 0.17 0.00	47.05 0.13 0.00	46.24 0.13 0.00
DOGLEVILLE___HYD 23807	45.09 0.50 0.00	43.05 0.20 0.00	42.57 0.24 0.00	41.47 0.33 0.00	44.15 0.39 0.00	43.52 0.56 0.00	56.75 1.56 0.00	58.91 1.66 0.00	42.68 0.60 0.00	31.53 -0.08 0.00	34.01 -0.14 0.00	31.72 -0.03 0.00	30.82 -0.15 0.00	25.48 -0.09 0.00	25.14 0.04 0.00	33.24 0.24 0.00	50.61 0.49 0.00	42.93 0.83 0.00	42.27 1.08 0.00	73.22 1.39 0.00	46.84 0.90 0.00	47.20 0.52 0.00	47.02 0.11 0.00	46.16 0.05 0.00
DUNKIRK___115KV_TB_200 55889	41.27 -3.32 0.00	40.12 -2.73 0.00	39.43 -2.90 0.00	38.33 -2.80 0.00	40.88 -2.88 0.00	40.32 -2.64 0.00	51.90 -3.30 0.00	53.82 -3.43 0.00	39.76 -2.32 0.00	29.44 -2.12 0.05	31.63 -2.53 0.00	29.28 -2.47 0.00	28.85 -2.12 0.00	23.55 -2.02 0.00	22.89 -2.22 0.00	30.00 -2.98 0.01	46.09 -4.03 0.01	39.04 -3.07 0.00	38.02 -3.15 0.02	46.47 -5.98 19.39	34.84 -4.05 7.04	37.83 -4.36 4.48	41.07 -4.05 1.80	40.76 -3.80 1.55
DUNKIRK___1 23563	41.27 -3.32 0.00	40.12 -2.73 0.00	39.43 -2.90 0.00	38.33 -2.80 0.00	40.88 -2.88 0.00	40.32 -2.64 0.00	51.90 -3.30 0.00	53.82 -3.43 0.00	39.76 -2.32 0.00	29.44 -2.12 0.05	31.63 -2.53 0.00	29.28 -2.47 0.00	28.85 -2.12 0.00	23.55 -2.02 0.00	22.89 -2.22 0.00	30.00 -2.98 0.01	46.09 -4.03 0.01	39.04 -3.07 0.00	38.02 -3.15 0.02	46.47 -5.98 19.39	34.84 -4.05 7.04	37.83 -4.36 4.48	41.07 -4.05 1.80	40.76 -3.80 1.55
DUNKIRK___2 23564	41.27 -3.32 0.00	40.12 -2.73 0.00	39.43 -2.90 0.00	38.33 -2.80 0.00	40.88 -2.88 0.00	40.32 -2.64 0.00	51.90 -3.30 0.00	53.82 -3.43 0.00	39.76 -2.32 0.00	29.44 -2.12 0.05	31.63 -2.53 0.00	29.28 -2.47 0.00	28.85 -2.12 0.00	23.55 -2.02 0.00	22.89 -2.22 0.00	30.00 -2.98 0.01	46.09 -4.03 0.01	39.04 -3.07 0.00	38.02 -3.15 0.02	46.47 -5.98 19.39	34.84 -4.05 7.04	37.83 -4.36 4.48	41.07 -4.05 1.80	40.76 -3.80 1.55
DUNKIRK___3 23565	41.24 -3.35 0.00	40.04 -2.82 0.00	39.35 -2.98 0.00	38.21 -2.92 0.00	40.79 -2.97 0.00	40.21 -2.76 0.00	51.72 -3.48 0.00	53.65 -3.60 0.00	39.56 -2.51 0.00	29.29 -2.27 0.05	31.52 -2.64 0.00	29.20 -2.55 0.00	28.76 -2.21 0.00	23.50 -2.08 0.00	22.84 -2.26 0.00	29.97 -3.01 0.01	46.01 -4.10 0.01	38.93 -3.18 0.00	37.92 -3.24 0.02	45.46 -6.10 20.27	34.46 -4.15 7.32	37.70 -4.46 4.53	40.96 -4.15 1.80	40.65 -3.91 1.55
DUNKIRK___4 23566	41.20 -3.39 0.00	40.09 -2.76 0.00	39.39 -2.94 0.00	38.27 -2.87 0.00	40.82 -2.95 0.00	40.27 -2.70 0.00	51.75 -3.45 0.00	53.59 -3.66 0.00	39.58 -2.50 0.00	29.32 -2.24 0.05	31.51 -2.65 0.00	29.17 -2.59 0.00	28.74 -2.23 0.00	23.49 -2.08 0.00	22.82 -2.28 0.00	29.90 -3.08 0.01	45.89 -4.22 0.01	38.87 -3.24 0.00	37.86 -3.31 0.02	43.64 -6.26 21.93	33.82 -4.25 7.87	37.47 -4.55 4.66	40.86 -4.23 1.83	40.57 -3.96 1.57
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	46.56 1.97 0.00	44.53 1.68 0.00	43.98 1.65 0.00	42.79 1.66 0.00	45.55 1.79 0.00	44.87 1.90 0.00	58.24 3.04 0.00	60.82 3.57 0.00	44.64 2.56 0.00	33.37 1.77 0.00	36.21 2.05 0.00	33.72 1.99 0.02	32.79 1.82 0.00	27.07 1.50 0.00	26.64 1.53 0.00	34.98 1.99 0.00	53.06 2.94 0.00	44.86 2.76 0.00	44.14 2.95 0.00	76.48 4.65 0.00	48.86 2.93 0.00	49.09 2.41 0.00	49.21 2.29 0.00	48.34 2.24 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	46.33 1.75 0.00	44.36 1.51 0.00	43.77 1.44 0.00	42.59 1.45 0.00	45.33 1.57 0.00	44.63 1.67 0.00	58.00 2.80 0.00	60.52 3.27 0.00	44.32 2.23 0.00	33.05 1.44 0.00	35.77 1.61 0.00	33.29 1.54 0.00	32.36 1.39 0.00	26.72 1.15 0.00	26.29 1.18 0.00	34.57 1.58 0.00	52.59 2.47 0.00	44.53 2.43 0.00	43.78 2.59 0.00	75.94 4.11 0.00	48.51 2.57 0.00	48.82 2.14 0.00	48.96 2.05 0.00	48.06 1.95 0.00

E179THST_138_KV_TB4_REV_LBMP_J 345001	46.40 1.81 0.00	44.41 1.56 0.00	43.89 1.57 0.00	42.67 1.54 0.00	45.46 1.70 0.00	44.75 1.78 0.00	58.05 2.85 0.00	60.75 3.50 0.00	44.67 2.59 0.00	33.47 1.86 0.00	36.29 2.11 -0.02	34.55 2.02 -0.78	32.81 1.84 0.00	27.13 1.56 0.00	26.67 1.57 0.00	34.97 1.98 0.00	52.99 2.88 0.00	44.75 2.64 0.00	44.11 2.92 0.00	76.46 4.63 0.00	48.89 2.96 0.00	49.05 2.37 0.00	49.14 2.22 0.00	48.32 2.22 0.00
E179THST_13_KV_LOAD 356214	46.58 1.99 0.00	44.58 1.73 0.00	44.05 1.73 0.00	42.83 1.70 0.00	45.62 1.86 0.00	44.91 1.95 0.00	58.30 3.10 0.00	61.03 3.77 0.00	44.88 2.80 0.00	33.62 2.01 0.00	36.45 2.28 -0.02	34.71 2.18 -0.78	32.96 1.99 0.00	27.25 1.68 0.00	26.79 1.69 0.00	35.13 2.14 0.00	53.25 3.13 0.00	44.97 2.86 0.00	44.32 3.13 0.00	76.85 5.01 0.00	49.13 3.20 0.00	49.27 2.60 0.00	49.37 2.45 0.00	48.52 2.41 0.00
EAST HAMPTON___GT 23717	48.08 3.49 0.00	46.01 3.15 0.00	45.60 3.27 0.00	44.44 3.31 0.00	47.28 3.52 0.00	46.80 3.84 0.00	61.31 6.11 0.00	64.05 6.80 0.00	46.64 4.57 0.00	34.44 2.83 0.00	37.34 3.18 0.00	34.86 3.09 -0.02	33.79 2.82 0.00	27.81 2.23 0.00	29.77 2.34 -2.33	83.15 3.14 -47.02	60.28 5.32 -4.84	47.60 4.91 -0.58	51.99 5.57 -5.24	89.82 9.13 -8.86	84.15 5.83 -32.39	61.65 5.01 -9.97	59.64 4.58 -8.14	52.06 4.53 -1.43
EAST RIVER___6 23660	46.58 1.99 0.00	44.51 1.65 0.00	43.97 1.64 0.00	42.79 1.65 0.00	45.57 1.81 0.00	44.94 1.97 0.00	58.26 3.06 0.00	60.93 3.68 0.00	44.83 2.75 0.00	33.63 2.01 0.00	36.53 2.36 -0.02	34.77 2.26 -0.76	33.05 2.08 0.00	27.31 1.74 0.00	26.85 1.75 0.00	35.21 2.21 0.00	53.31 3.19 0.00	45.05 2.94 0.00	44.37 3.19 0.00	76.84 5.01 0.00	49.03 3.10 0.00	49.13 2.46 0.00	49.21 2.29 0.00	48.42 2.31 0.00
EAST RIVER___7 23524	46.58 1.99 0.00	44.51 1.65 0.00	43.97 1.64 0.00	42.79 1.65 0.00	45.57 1.81 0.00	44.94 1.97 0.00	58.26 3.06 0.00	60.93 3.68 0.00	44.83 2.75 0.00	33.63 2.01 0.00	36.53 2.36 -0.02	34.77 2.26 -0.76	33.05 2.08 0.00	27.31 1.74 0.00	26.85 1.75 0.00	35.21 2.21 0.00	53.31 3.19 0.00	45.05 2.94 0.00	44.37 3.19 0.00	76.84 5.01 0.00	49.03 3.10 0.00	49.13 2.46 0.00	49.21 2.29 0.00	48.42 2.31 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	46.47 1.88 0.00	44.46 1.60 0.00	43.89 1.56 0.00	42.71 1.57 0.00	45.46 1.70 0.00	44.77 1.81 0.00	58.12 2.92 0.00	60.70 3.45 0.00	44.54 2.46 0.00	33.28 1.67 0.00	36.09 1.93 0.00	33.64 1.87 -0.02	32.68 1.71 0.00	26.99 1.42 0.00	26.55 1.44 0.00	34.87 1.88 0.00	52.90 2.79 0.00	44.76 2.65 0.00	44.02 2.84 0.00	76.29 4.46 0.00	48.74 2.80 0.00	48.98 2.30 0.00	49.12 2.20 0.00	48.24 2.14 0.00
EAST_HAMPTON___DIESEL 23722	48.03 3.44 0.00	45.94 3.09 0.00	45.54 3.21 0.00	44.40 3.27 0.00	47.23 3.47 0.00	46.76 3.79 0.00	61.25 6.05 0.00	63.99 6.75 0.00	46.60 4.52 0.00	34.41 2.80 0.00	37.30 3.15 0.00	34.83 3.06 -0.02	33.76 2.79 0.00	27.77 2.20 0.00	29.74 2.31 -2.33	83.10 3.09 -47.02	60.21 5.25 -4.84	47.54 4.85 -0.58	51.95 5.52 -5.24	89.74 9.05 -8.86	84.11 5.79 -32.39	61.61 4.96 -9.97	59.59 4.54 -8.14	52.01 4.48 -1.43
EAST_PULASKI___ESR 323781	43.14 -1.45 0.00	41.39 -1.46 0.00	40.77 -1.56 0.00	39.60 -1.53 0.00	42.20 -1.56 0.00	41.57 -1.39 0.00	53.84 -1.36 0.00	56.01 -1.25 0.00	41.00 -1.08 0.00	30.47 -1.14 0.00	32.74 -1.41 0.00	30.42 -1.34 0.00	29.68 -1.30 0.00	24.46 -1.11 0.00	23.97 -1.13 0.00	31.55 -1.44 0.00	48.36 -1.76 0.00	41.07 -1.03 0.00	40.28 -0.90 0.00	79.06 -1.69 -8.92	47.59 -1.18 -2.84	45.75 -1.32 -0.39	45.54 -1.38 0.00	44.68 -1.42 0.00
EAST_RIVER___1 323558	46.60 2.01 0.00	44.54 1.68 0.00	44.01 1.68 0.00	42.82 1.68 0.00	45.60 1.84 0.00	44.95 1.98 0.00	58.27 3.07 0.00	60.89 3.64 0.00	44.80 2.72 0.00	33.60 1.99 0.00	36.50 2.32 -0.02	34.75 2.24 -0.76	33.02 2.05 0.00	27.29 1.72 0.00	26.83 1.73 0.00	35.17 2.18 0.00	53.26 3.14 0.00	45.02 2.91 0.00	44.34 3.16 0.00	76.79 4.96 0.00	49.03 3.10 0.00	49.13 2.46 0.00	49.22 2.30 0.00	48.43 2.33 0.00
EAST_RIVER___2 323559	46.58 1.99 0.00	44.51 1.65 0.00	43.97 1.64 0.00	42.79 1.65 0.00	45.57 1.81 0.00	44.94 1.97 0.00	58.26 3.06 0.00	60.93 3.68 0.00	44.83 2.75 0.00	33.63 2.01 0.00	36.53 2.36 -0.02	34.77 2.26 -0.76	33.05 2.08 0.00	27.31 1.74 0.00	26.85 1.75 0.00	35.21 2.21 0.00	53.31 3.19 0.00	45.05 2.94 0.00	44.37 3.19 0.00	76.84 5.01 0.00	49.03 3.10 0.00	49.13 2.46 0.00	49.21 2.29 0.00	48.42 2.31 0.00
EAST___DELAWARE_HYD 23607	45.67 1.08 0.00	43.71 0.85 0.00	43.10 0.77 0.00	41.95 0.82 0.00	44.68 0.92 0.00	44.06 1.09 0.00	57.32 2.12 0.00	59.88 2.63 0.00	43.77 1.70 0.00	32.54 0.93 0.00	35.08 0.93 0.00	32.44 0.69 0.00	30.84 -0.13 0.00	25.46 -0.12 0.00	25.07 -0.03 0.00	33.01 0.01 0.00	50.47 0.35 0.00	42.92 0.81 0.00	42.27 1.08 0.00	73.48 1.64 0.00	48.00 2.06 0.00	48.28 1.60 0.00	48.40 1.49 0.00	47.45 1.34 0.00
EIGHT_POINT___WT_PWR 323820	43.43 -1.16 0.00	41.60 -1.25 0.00	41.42 -0.91 0.00	40.01 -1.13 0.00	43.23 -0.53 0.00	42.56 -0.40 0.00	55.52 0.32 0.00	58.33 1.09 0.00	42.31 0.23 0.00	31.36 -0.21 0.04	33.79 -0.36 0.00	31.40 -0.36 0.00	30.60 -0.37 0.00	25.02 -0.55 0.00	24.52 -0.59 0.00	32.58 -0.41 0.01	50.33 0.22 0.01	43.00 0.90 0.00	42.30 1.13 0.01	123.73 1.90 -49.99	62.02 0.86 -15.22	46.68 0.35 0.35	45.97 0.31 1.26	45.13 0.11 1.08
ELBRIDGE_115KV_TB2 80188	43.14 -1.45 0.00	41.46 -1.39 0.00	40.91 -1.41 0.00	39.74 -1.39 0.00	42.38 -1.38 0.00	41.79 -1.18 0.00	54.01 -1.19 0.00	56.14 -1.11 0.00	41.12 -0.96 0.00	30.63 -0.97 0.02	33.02 -1.14 0.00	30.65 -1.10 0.00	29.92 -1.06 0.00	24.67 -0.90 0.00	24.20 -0.90 0.00	31.83 -1.16 0.00	48.64 -1.47 0.00	41.12 -0.98 0.00	40.26 -0.92 0.01	104.63 -1.74 -34.54	55.34 -1.24 -10.65	45.56 -1.47 -0.36	44.82 -1.53 0.57	44.08 -1.54 0.49
ELEC_TRO_TEK 24086	47.08 2.49 0.00	45.10 2.25 0.00	44.55 2.22 0.00	43.34 2.21 0.00	46.13 2.37 0.00	45.42 2.45 0.00	58.84 3.64 0.00	61.46 4.21 0.00	45.11 3.03 0.00	33.64 2.03 0.00	36.53 2.38 0.00	34.09 2.32 -0.02	33.10 2.12 0.00	27.35 1.78 0.00	29.29 1.86 -2.33	82.45 2.44 -47.02	58.58 3.62 -4.84	45.97 3.28 -0.58	49.94 3.52 -5.23	86.17 5.48 -8.86	81.84 3.51 -32.39	59.66 3.02 -9.97	57.93 2.88 -8.14	50.41 2.88 -1.43
ELLENBURG_WT_PWR 323604	46.26 1.67 0.00	44.47 1.61 0.00	44.45 2.12 0.00	42.83 1.69 0.00	45.36 1.60 0.00	44.45 1.49 0.00	56.44 1.24 0.00	58.03 0.78 0.00	42.77 0.69 0.00	32.56 0.95 0.00	34.99 0.84 0.00	32.49 0.73 0.00	31.79 0.82 0.00	26.30 0.72 0.00	25.64 0.54 0.00	33.85 0.86 0.00	51.68 1.56 0.00	43.32 1.22 0.00	42.29 1.10 0.00	74.02 2.19 0.00	47.38 1.44 0.00	48.55 1.87 0.00	48.85 1.93 0.00	48.36 2.26 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	40.61 -3.98 0.00	39.63 -3.22 0.00	38.96 -3.37 0.00	37.80 -3.34 0.00	40.28 -3.48 0.00	39.77 -3.20 0.00	50.82 -4.38 0.00	52.42 -4.83 0.00	38.80 -3.28 0.00	28.78 -2.78 0.05	30.93 -3.22 0.00	28.58 -3.17 0.00	28.19 -2.78 0.00	23.08 -2.49 0.00	22.41 -2.70 0.00	29.29 -3.69 0.01	44.88 -5.23 0.01	37.99 -4.12 0.00	36.99 -4.17 0.02	38.69 -7.82 25.33	31.73 -5.24 8.96	36.26 -5.51 4.90	39.92 -5.12 1.88	39.73 -4.76 1.61
EMPIRE_CC_1 323656	45.70 1.11 0.00	43.78 0.92 0.00	43.31 0.98 0.00	42.17 1.03 0.00	44.84 1.08 0.00	44.02 1.06 0.00	57.02 1.82 0.00	59.12 1.87 0.00	43.29 1.21 0.00	32.27 0.66 0.00	34.92 0.77 0.00	32.53 0.77 0.00	31.66 0.69 0.00	26.21 0.64 0.00	25.83 0.72 0.00	33.95 0.96 0.00	51.31 1.19 0.00	43.08 0.97 0.00	42.21 1.02 0.00	73.41 1.58 0.00	46.97 1.04 0.00	47.46 0.78 0.00	47.59 0.67 0.00	46.97 0.86 0.00
EMPIRE_CC_2 323658	45.70 1.11 0.00	43.78 0.92 0.00	43.31 0.98 0.00	42.17 1.03 0.00	44.84 1.08 0.00	44.02 1.06 0.00	57.02 1.82 0.00	59.12 1.87 0.00	43.29 1.21 0.00	32.27 0.66 0.00	34.92 0.77 0.00	32.53 0.77 0.00	31.66 0.69 0.00	26.21 0.64 0.00	25.83 0.72 0.00	33.95 0.96 0.00	51.31 1.19 0.00	43.08 0.97 0.00	42.21 1.02 0.00	73.41 1.58 0.00	46.97 1.04 0.00	47.46 0.78 0.00	47.59 0.67 0.00	46.97 0.86 0.00
ENORWICH_115KV_TB1 80156	47.17 2.58 0.00	45.35 2.50 0.00	44.62 2.29 0.00	43.41 2.27 0.00	46.37 2.61 0.00	46.08 3.11 0.00	60.18 4.97 0.00	62.76 5.51 0.00	45.70 3.62 0.00	33.67 2.08 0.02	36.06 1.91 0.00	33.37 1.62 0.00	32.53 1.56 0.00	26.73 1.16 0.00	26.20 1.10 0.00	34.72 1.74 0.00	53.92 3.81 0.00	45.88 3.78 0.00	44.92 3.74 0.01	104.49 6.52 -26.14	57.66 3.77 -7.96	49.85 3.32 0.14	49.47 3.19 0.64	48.48 2.92 0.55
ERIE_ST__34_KV_TB1-2 80199	41.37 -3.22 0.00	40.29 -2.57 0.00	39.60 -2.74 0.00	38.40 -2.74 0.00	40.94 -2.82 0.00	40.42 -2.54 0.00	51.75 -3.45 0.00	53.51 -3.73 0.00	39.51 -2.57 0.00	29.26 -2.30 0.05	31.49 -2.67 0.00	29.12 -2.63 0.00	28.71 -2.26 0.00	23.51 -2.07 0.00	22.85 -2.25 0.00	29.92 -3.06 0.01	45.90 -4.21 0.01	38.84 -3.77 0.00	37.86 -3.81 0.02	43.26 -6.36 22.21	33.61 -4.36 7.96	37.34 -4.67 4.67	40.75 -4.34 1.83	40.51 -4.03 1.57
ERIE_WT_PWR 323693	40.87 -3.72 0.00	39.89 -2.97 0.00	39.20 -3.13 0.00	38.02 -3.11 0.00	40.54 -3.22 0.00	40.03 -2.93 0.00	51.24 -3.96 0.00	52.92 -4.33 0.00	39.11 -2.96 0.00	29.00 -2.56 0.05	31.21 -2.95 0.00	28.81 -2.94 0.00	28.42 -2.55 0.00	23.25 -2.32 0.00	22.56 -2.55 0.00	29.57 -3.41 0.01	45.28 -4.83 0.01	38.33 -3.77 0.00	37.35 -3.81 0.02	41.10 -7.15 23.58	32.76 -4.77 8.40	36.84 -5.06 4.77	40.37 -4.70 1.85	40.09 -4.42 1.59
ESPRGFLD_115KV_TB1 80157	46.48 1.89 0.00	44.76 1.91 0.00	44.13 1.81 0.00	42.82 1.68 0.00	45.67 1.92 0.00	45.09 2.13 0.00	58.15 2.95 0.00	60.36 3.12 0.00	44.38 2.30 0.00	33.08 1.47 0.01	35.60 1.45 0.00	33.07 1.32 0.00	32.30 1.33 0.00	26.57 1.00 0.00	25.98 0.87 0.00	34.02 1.03 0.00	52.27 2.15 0.00	44.40 2.30 0.00	43.47 2.28 0.00	82.55 3.96 -6.76	50.31 2.36 -2.02	48.96 2.46 0.18	49.24 2.55 0.23	48.33 2.43 0.20
ETNA_115_KV_TB1_REV_LBMP_C 345029	44.63 0.04 0.00	42.83 -0.02 0.00	42.26 -0.07 0.00	41.05 -0.09 0.00	43.83 0.07 0.00	43.28 0.32 0.00	56.12 0.92 0.00	58.50 1.25 0.00	42.70 0.63 0.00	31.63 0.04 0.02	33.98 -0.17 0.00	31.51 -0.24 0.00	30.72 -0.25 0.00	25.31 -0.26 0.00	24.84 -0.26 0.00	32.80 -0.19 0.00	50.37 0.25 0.00	42.76 0.66 0.00	41.94 0.76 0.01	110.47 1.22 -37.42	57.95 0.56 -11.46	47.01 0.27 -0.07	46.31 0.17 0.78	45.53 0.09 0.67
ETNA____115KV_TB2 80207	44.63 0.04 0.00	42.83 -0.02 0.00	42.26 -0.07 0.00	41.05 -0.09 0.00	43.83 0.07 0.00	43.28 0.32 0.00	56.12 0.92 0.00	58.50 1.25 0.00	42.70 0.63 0.00	31.63 0.04 0.02	33.98 -0.17 0.00	31.51 -0.24 0.00	30.72 -0.25 0.00	25.31 -0.26 0.00	24.84 -0.26 0.00	32.80 -0.19 0.00	50.37 0.25 0.00	42.76 0.66 0.00	41.94 0.76 0.01	110.47 1.22 -37.42	57.95 0.56 -11.46	47.01 0.27 -0.07	46.31 0.17 0.78	45.53 0.09 0.67
EUCLID____115KV_TB2 356179	42.76 -1.83 0.00	41.12 -1.74 0.00	40.56 -1.77 0.00	39.42 -1.72 0.00	42.01 -1.76 0.00	41.39 -1.58 0.00	53.45 -1.75 0.00	55.53 -1.72 0.00	40.71 -1.37 0.00	30.34 -1.23 0.04	32.74 -1.41 0.00	30.41 -1.34 0.00	29.68 -1.30 0.00	24.48 -1.09 0.00	24.01 -1.09 0.00	31.55 -1.44 0.01	48.18 -1.94 0.01	40.70 -1.40 0.00	39.84 -1.33 0.02	67.18 -2.49 2.16	42.75 -1.71 1.48	42.01 -1.92 2.75	43.65 -1.96 1.31	43.02 -1.96 1.12
E_CANADA_CAP_HY 24051	46.83 2.24 0.00	45.15 2.29 0.00	44.50 2.18 0.00	43.20 2.06 0.00	46.04 2.28 0.00	45.38 2.41 0.00	58.32 3.12 0.00	60.32 3.07 0.00	44.34 2.26 0.00	33.01 1.41 0.00	35.52 1.36 0.00	33.07 1.31 0.00	32.34 1.37 0.00	26.62 1.04 0.00	26.01 0.90 0.00	33.93 0.94 0.00	52.24 2.12 0.00	44.42 2.31 0.00	43.43 2.24 0.00	75.46 3.95 0.32	48.14 2.42 0.21	49.13 2.84 0.39	49.68 2.95 0.18	48.74 2.79 0.16
E_CANADA_MHWK_HY 24050	45.09 0.50 0.00	43.05 0.20 0.00	42.57 0.24 0.00	41.47 0.33 0.00	44.15 0.39 0.00	43.52 0.56 0.00	56.75 1.56 0.00	58.91 1.66 0.00	42.68 0.60 0.00	31.53 -0.08 0.00	34.01 -0.14 0.00	31.72 -0.03 0.00	30.82 -0.15 0.00	25.48 -0.09 0.00	25.14 0.04 0.00	33.24 0.24 0.00	50.61 0.49 0.00	42.93 0.83 0.00	42.27 1.08 0.00	73.22 1.39 0.00	46.84 0.90 0.00	47.20 0.52 0.00	47.02 0.11 0.00	46.16 0.05 0.00
E_FISHKILL__LBMP 23776	46.23 1.64 0.00	44.25 1.40 0.00	43.69 1.36 0.00	42.52 1.38 0.00	45.24 1.48 0.00	44.51 1.54 0.00	57.76 2.56 0.00	60.24 2.99 0.00	44.17 2.09 0.00	33.03 1.41 0.00	35.78 1.63 0.00	33.33 1.58 0.00	32.40 1.42 0.00	26.77 1.19 0.00	26.35 1.24 0.00	34.62 1.63 0.00	52.51 2.40 0.00	44.37 2.27 0.00	43.62 2.43 0.00	75.66 3.82 0.00	48.33 2.39 0.00	48.61 1.93 0.00	48.73 1.81 0.00	47.92 1.81 0.00
FALCON____SEABRD_CC1 323796	46.88 2.29 0.00	45.06 2.21 0.00	45.15 2.82 0.00	43.41 2.27 0.00	45.89 2.13 0.00	44.88 1.92 0.00	56.94 1.74 0.00	58.46 1.21 0.00	42.98 0.90 0.00	32.77 1.15 0.00	35.13 0.98 0.00	32.59 0.84 0.00	31.90 0.92 0.00	26.40 0.83 0.00	25.71 0.61 0.00	34.04 1.05 0.00	52.11 2.00 0.00	43.70 1.60 0.00	42.69 1.50 0.00	74.61 2.78 0.00	47.71 1.78 0.00	48.88 2.20 0.00	49.19 2.27 0.00	48.95 2.84 0.00
FALCON____SEABRD_CC2 323797	46.88 2.29 0.00	45.06 2.21 0.00	45.15 2.82 0.00	43.41 2.27 0.00	45.89 2.13 0.00	44.88 1.92 0.00	56.94 1.74 0.00	58.46 1.21 0.00	42.98 0.90 0.00	32.77 1.15 0.00	35.13 0.98 0.00	32.59 0.84 0.00	31.90 0.92 0.00	26.40 0.83 0.00	25.71 0.61 0.00	34.04 1.05 0.00	52.11 2.00 0.00	43.70 1.60 0.00	42.69 1.50 0.00	74.61 2.78 0.00	47.71 1.78 0.00	48.88 2.20 0.00	49.19 2.27 0.00	48.95 2.84 0.00

FAR ROCKAWAY___4 23548	47.64 3.05 0.00	45.65 2.80 0.00	45.08 2.75 0.00	43.84 2.71 0.00	46.65 2.89 0.00	45.91 2.94 0.00	59.07 3.87 0.00	61.74 4.49 0.00	45.31 3.23 0.00	34.02 2.41 0.00	36.96 2.80 0.00	34.51 2.73 -0.02	33.50 2.53 0.00	27.68 2.11 0.00	29.62 2.18 -2.33	82.71 2.70 -47.02	58.85 3.89 -4.84	46.22 3.53 -0.58	50.18 3.76 -5.23	86.46 5.76 -8.86	82.08 3.76 -32.39	59.95 3.30 -9.97	58.53 3.47 -8.14	50.94 3.41 -1.43
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	46.62 2.03 0.00	44.55 1.69 0.00	44.01 1.68 0.00	42.82 1.69 0.00	45.61 1.85 0.00	44.96 2.00 0.00	58.27 3.08 0.00	60.91 3.66 0.00	44.81 2.73 0.00	33.61 2.00 0.00	36.50 2.33 -0.02	34.77 2.24 -0.78	33.02 2.05 0.00	27.29 1.71 0.00	26.82 1.72 0.00	35.18 2.19 0.00	53.26 3.14 0.00	45.01 2.91 0.00	44.35 3.17 0.00	76.81 4.98 0.00	49.05 3.12 0.00	49.16 2.49 0.00	49.25 2.33 0.00	48.45 2.35 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	46.64 2.05 0.00	44.58 1.73 0.00	44.04 1.72 0.00	42.86 1.72 0.00	45.64 1.88 0.00	44.99 2.02 0.00	58.33 3.13 0.00	60.96 3.71 0.00	44.84 2.76 0.00	33.62 2.01 0.00	36.52 2.35 -0.02	34.78 2.26 -0.78	33.04 2.07 0.00	27.30 1.73 0.00	26.84 1.74 0.00	35.20 2.21 0.00	53.30 3.18 0.00	45.03 2.93 0.00	44.38 3.20 0.00	76.87 5.04 0.00	49.10 3.17 0.00	49.21 2.53 0.00	49.29 2.37 0.00	48.49 2.39 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	46.60 2.00 0.00	44.53 1.68 0.00	44.00 1.67 0.00	42.82 1.68 0.00	45.60 1.83 0.00	44.94 1.98 0.00	58.26 3.06 0.00	60.89 3.64 0.00	44.78 2.70 0.00	33.59 1.98 0.00	36.49 2.32 -0.02	34.75 2.22 -0.78	33.01 2.03 0.00	27.28 1.70 0.00	26.82 1.71 0.00	35.17 2.18 0.00	53.25 3.13 0.00	44.99 2.88 0.00	44.33 3.14 0.00	76.79 4.96 0.00	49.03 3.10 0.00	49.14 2.46 0.00	49.23 2.32 0.00	48.43 2.33 0.00
FARRAGUT___LBMP 323566	46.57 1.98 0.00	44.50 1.65 0.00	43.97 1.64 0.00	42.78 1.65 0.00	45.56 1.80 0.00	44.91 1.95 0.00	58.22 3.02 0.00	60.83 3.58 0.00	44.75 2.67 0.00	33.56 1.95 0.00	36.46 2.29 -0.02	34.72 2.20 -0.78	32.98 2.01 0.00	27.26 1.68 0.00	26.79 1.69 0.00	35.14 2.15 0.00	53.19 3.08 0.00	44.95 2.84 0.00	44.29 3.10 0.00	76.72 4.89 0.00	48.99 3.06 0.00	49.10 2.42 0.00	49.20 2.28 0.00	48.41 2.30 0.00
FENNER___WINDPWR 24204	45.01 0.42 0.00	43.24 0.39 0.00	42.65 0.32 0.00	41.46 0.32 0.00	44.18 0.42 0.00	43.55 0.59 0.00	56.40 1.20 0.00	58.67 1.42 0.00	42.89 0.81 0.00	31.87 0.28 0.02	34.32 0.16 0.00	31.85 0.10 0.00	31.05 0.08 0.00	25.61 0.04 0.00	25.13 0.03 0.00	33.13 0.14 0.00	50.77 0.66 0.00	43.00 0.90 0.00	42.13 0.95 0.01	86.61 1.51 -13.27	50.59 0.84 -3.81	46.50 0.63 0.80	46.80 0.56 0.68	45.98 0.47 0.59
FIBERTEK___ENERGY 23856	43.38 -1.20 0.00	41.70 -1.15 0.00	41.13 -1.20 0.00	39.95 -1.19 0.00	42.62 -1.14 0.00	42.02 -0.95 0.00	54.33 -0.87 0.00	56.44 -0.80 0.00	41.31 -0.77 0.00	30.78 -0.82 0.02	33.19 -0.96 0.00	30.83 -0.93 0.00	30.08 -0.89 0.00	24.81 -0.76 0.00	24.33 -0.77 0.00	32.01 -0.98 0.00	48.92 -1.19 0.00	41.36 -0.74 0.00	40.48 -0.70 0.01	95.80 -1.36 -25.33	52.61 -0.99 -7.67	45.26 -1.21 0.20	44.98 -1.29 0.65	44.24 -1.31 0.56
FITZPATRICK___ 23598	42.38 -2.21 0.00	40.75 -2.10 0.00	40.21 -2.12 0.00	39.07 -2.06 0.00	41.61 -2.15 0.00	40.97 -2.00 0.00	52.83 -2.36 0.00	54.85 -2.40 0.00	40.25 -1.83 0.00	30.08 -1.52 0.01	32.46 -1.70 0.00	30.14 -1.61 0.00	29.42 -1.56 0.00	24.28 -1.29 0.00	23.83 -1.27 0.00	31.30 -1.70 0.00	47.71 -2.41 0.00	40.25 -1.85 0.00	39.40 -1.78 0.00	68.29 -3.24 0.31	43.57 -2.14 0.22	43.97 -2.30 0.41	44.38 -2.35 0.19	43.61 -2.32 0.17
FLOWRFLD_69_KV_BK1 356044	47.66 3.07 0.00	45.67 2.81 0.00	45.12 2.79 0.00	43.88 2.75 0.00	46.70 2.93 0.00	46.06 3.09 0.00	59.93 4.73 0.00	62.58 5.33 0.00	45.87 3.79 0.00	34.05 2.44 0.00	36.98 2.83 0.00	34.46 2.69 -0.02	33.44 2.46 0.00	27.62 2.04 0.00	29.62 2.19 -2.33	83.00 3.00 -47.02	59.60 4.64 -4.84	46.81 4.12 -0.58	51.09 4.67 -5.24	88.16 7.46 -8.86	82.96 4.63 -32.39	60.52 3.88 -9.97	58.82 3.77 -8.14	51.29 3.75 -1.43
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	46.81 2.22 0.00	44.79 1.94 0.00	44.20 1.87 0.00	43.03 1.90 0.00	45.80 2.04 0.00	45.09 2.12 0.00	58.59 3.39 0.00	61.14 3.89 0.00	44.77 2.69 0.00	33.41 1.80 0.00	36.15 2.00 0.00	33.66 1.91 0.00	32.70 1.73 0.00	27.01 1.44 0.00	26.60 1.49 0.00	34.99 2.00 0.00	53.21 3.09 0.00	45.01 2.91 0.00	44.26 3.07 0.00	76.77 4.94 0.00	49.01 3.08 0.00	49.29 2.61 0.00	49.40 2.48 0.00	48.51 2.40 0.00
FORT ORANGE___ 23900	45.82 1.23 0.00	43.89 1.04 0.00	43.40 1.08 0.00	42.22 1.09 0.00	44.88 1.12 0.00	44.03 1.07 0.00	56.80 1.60 0.00	58.92 1.67 0.00	43.10 1.02 0.00	32.10 0.49 0.00	34.68 0.52 0.00	32.28 0.53 0.00	31.43 0.45 0.00	26.02 0.45 0.00	25.65 0.55 0.00	33.74 0.75 0.00	51.25 1.13 0.00	43.07 0.96 0.00	42.05 0.86 0.00	73.12 1.28 0.00	46.78 0.85 0.00	47.22 0.54 0.00	47.30 0.38 0.00	46.53 0.43 0.00
FORT_DRUM_COGEN 23780	44.68 0.09 0.00	42.86 0.00 0.00	42.06 -0.27 0.00	40.77 -0.37 0.00	43.43 -0.33 0.00	42.86 -0.10 0.00	55.75 0.55 0.00	58.10 0.85 0.00	42.39 0.30 0.00	31.18 -0.43 0.00	33.30 -0.85 0.00	30.89 -0.86 0.00	30.13 -0.84 0.00	24.82 -0.75 0.00	24.30 -0.80 0.00	32.10 -0.89 0.00	49.74 -0.38 0.00	42.63 0.52 0.00	41.89 0.71 0.00	73.09 1.25 0.00	46.70 0.76 0.00	47.37 0.69 0.00	47.46 0.54 0.00	46.54 0.44 0.00
FOX_HILLS___ESR 323835	46.48 1.89 0.00	44.39 1.54 0.00	43.85 1.52 0.00	42.68 1.55 0.00	45.42 1.66 0.00	44.79 1.82 0.00	49.58 2.85 8.47	52.79 3.42 7.88	41.47 2.57 3.18	33.52 1.91 0.00	36.43 2.25 -0.02	34.76 2.14 -0.87	32.91 1.93 0.00	27.21 1.63 0.00	26.75 1.65 0.00	35.10 2.11 0.00	48.73 3.03 4.41	42.20 2.75 2.65	42.69 3.10 1.60	62.01 4.85 14.67	44.52 3.09 4.50	49.04 2.55 0.19	49.30 2.38 0.00	48.59 2.49 0.00
FPL_FAR_ROCK_GT1 24212	47.64 3.05 0.00	45.65 2.80 0.00	45.08 2.75 0.00	43.84 2.71 0.00	46.65 2.89 0.00	45.90 2.94 0.00	59.06 3.87 0.00	61.74 4.49 0.00	45.31 3.23 0.00	34.03 2.42 0.00	36.95 2.80 0.00	34.51 2.73 -0.02	33.50 2.53 0.00	27.68 2.11 0.00	29.62 2.19 -2.33	82.70 2.69 -47.02	58.85 3.89 -4.84	46.21 3.53 -0.58	50.18 3.76 -5.23	86.45 5.75 -8.86	82.08 3.75 -32.39	59.93 3.28 -9.97	58.51 3.46 -8.14	50.94 3.40 -1.43
FPL_FAR_ROCK_GT2 23815	47.64 3.05 0.00	45.65 2.80 0.00	45.08 2.75 0.00	43.84 2.71 0.00	46.65 2.89 0.00	45.90 2.94 0.00	59.06 3.87 0.00	61.74 4.49 0.00	45.31 3.23 0.00	34.03 2.42 0.00	36.95 2.80 0.00	34.51 2.73 -0.02	33.50 2.53 0.00	27.68 2.11 0.00	29.62 2.19 -2.33	82.70 2.69 -47.02	58.85 3.89 -4.84	46.21 3.53 -0.58	50.18 3.76 -5.23	86.45 5.75 -8.86	82.08 3.75 -32.39	59.93 3.28 -9.97	58.51 3.46 -8.14	50.94 3.40 -1.43

FRANKLIN_FALL_HYD 24054	46.63 2.04 0.00	44.91 2.06 0.00	44.75 2.42 0.00	43.19 2.06 0.00	45.81 2.05 0.00	44.88 1.92 0.00	56.97 1.77 0.00	58.68 1.43 0.00	43.31 1.23 0.00	32.87 1.25 0.00	35.28 1.12 0.00	32.71 0.95 0.00	32.01 1.03 0.00	26.44 0.86 0.00	25.80 0.70 0.00	34.03 1.04 0.00	51.97 1.85 0.00	43.63 1.52 0.00	42.60 1.41 0.00	74.78 2.94 0.00	47.87 1.94 0.00	49.05 2.37 0.00	49.32 2.40 0.00	48.73 2.63 0.00
FREEPORT_EQUS_GT1 23764	47.36 2.77 0.00	45.36 2.51 0.00	44.80 2.48 0.00	43.59 2.45 0.00	46.38 2.62 0.00	45.68 2.72 0.00	59.07 3.87 0.00	61.71 4.46 0.00	45.37 3.29 0.00	33.79 2.18 0.00	36.70 2.55 0.00	34.25 2.47 -0.02	33.25 2.28 0.00	27.47 1.90 0.00	29.43 2.00 -2.33	82.65 2.63 -47.02	58.77 3.81 -4.84	45.99 3.30 -0.58	49.96 3.54 -5.23	86.11 5.41 -8.86	81.98 3.65 -32.39	60.00 3.36 -9.97	58.26 3.21 -8.14	50.73 3.19 -1.43
FREEPORT___CT2 23818	47.36 2.77 0.00	45.36 2.51 0.00	44.80 2.48 0.00	43.59 2.45 0.00	46.38 2.62 0.00	45.68 2.72 0.00	59.07 3.87 0.00	61.71 4.46 0.00	45.37 3.29 0.00	33.79 2.18 0.00	36.70 2.55 0.00	34.25 2.47 -0.02	33.25 2.28 0.00	27.47 1.90 0.00	29.43 2.00 -2.33	82.65 2.63 -47.02	58.77 3.81 -4.84	45.99 3.30 -0.58	49.96 3.54 -5.23	86.11 5.41 -8.86	81.98 3.65 -32.39	60.00 3.36 -9.97	58.26 3.21 -8.14	50.73 3.19 -1.43
FRESHKLS_33_KV_LOAD 356253	46.36 1.77 0.00	44.26 1.40 0.00	43.69 1.37 0.00	42.53 1.40 0.00	45.28 1.52 0.00	44.65 1.68 0.00	43.38 2.71 14.52	47.00 3.27 13.51	39.09 2.46 5.45	33.45 1.84 0.00	36.32 2.14 -0.02	34.61 2.02 -0.84	32.81 1.83 0.00	27.11 1.54 0.00	26.67 1.56 0.00	34.99 2.00 0.00	44.92 2.87 8.06	39.88 2.61 4.84	41.26 3.00 2.93	49.66 4.63 26.81	40.65 2.94 8.22	48.77 2.44 0.35	49.18 2.26 0.00	48.53 2.43 0.00
FULTON COGEN____ 23766	42.72 -1.87 0.00	41.07 -1.78 0.00	40.51 -1.82 0.00	39.38 -1.76 0.00	41.96 -1.80 0.00	41.37 -1.59 0.00	53.44 -1.76 0.00	55.59 -1.66 0.00	41.00 -1.08 0.00	30.33 -1.29 -0.01	32.68 -1.48 0.00	30.36 -1.40 0.00	29.64 -1.34 0.00	24.45 -1.12 0.00	24.00 -1.11 0.00	31.55 -1.44 0.00	48.18 -1.94 0.00	40.73 -1.37 0.00	39.89 -1.30 0.00	79.73 -2.42 -10.31	47.70 -1.67 -3.43	45.77 -1.87 -0.97	45.21 -1.96 -0.25	44.37 -1.95 -0.22
FULTON___LFGE 323630	48.82 4.23 0.00	46.93 4.08 0.00	46.29 3.96 0.00	45.00 3.86 0.00	48.00 4.24 0.00	47.46 4.49 0.00	61.58 6.38 0.00	64.00 6.75 0.00	46.33 4.26 0.00	33.44 1.83 0.00	35.42 1.27 0.00	32.84 1.09 0.00	32.05 1.07 0.00	26.42 0.85 0.00	25.89 0.79 0.00	34.14 1.15 0.00	54.04 3.93 0.00	46.96 4.85 0.00	46.10 4.91 0.00	80.31 8.48 0.00	51.11 5.18 0.00	51.83 5.16 0.00	51.83 4.91 0.00	50.76 4.66 0.00
G.F.CEMENT___DRP 24184	45.84 1.25 0.00	43.82 0.97 0.00	43.48 1.15 0.00	42.27 1.14 0.00	45.01 1.25 0.00	44.31 1.34 0.00	57.69 2.49 0.00	59.93 2.68 0.00	43.61 1.53 0.00	32.62 1.01 0.00	35.17 1.02 0.00	32.69 0.94 0.00	31.91 0.93 0.00	26.25 0.68 0.00	25.83 0.72 0.00	34.16 1.16 0.00	52.21 2.09 0.00	43.93 1.83 0.00	43.22 2.03 0.00	75.23 3.39 0.00	47.84 1.91 0.00	48.20 1.52 0.00	48.08 1.15 0.00	47.23 1.12 0.00
GARDENVILLE___LBMP 24039	40.77 -3.82 0.00	39.77 -3.09 0.00	39.08 -3.25 0.00	37.92 -3.22 0.00	40.41 -3.35 0.00	39.91 -3.06 0.00	51.06 -4.14 0.00	52.71 -4.54 0.00	38.97 -3.11 0.00	28.90 -2.66 0.05	31.06 -3.09 0.00	28.71 -3.04 0.00	28.32 -2.66 0.00	23.18 -2.39 0.00	22.50 -2.60 0.00	29.43 -3.55 0.01	45.11 -5.00 0.01	38.19 -3.91 0.00	37.21 -3.96 0.02	39.96 -7.44 24.43	32.25 -5.01 8.68	36.55 -5.29 4.84	40.14 -4.92 1.86	39.92 -4.58 1.60
GARDNVLA_35_KV_LD 355827	40.90 -3.69 0.00	39.90 -2.96 0.00	39.22 -3.11 0.00	38.05 -3.09 0.00	40.56 -3.21 0.00	40.05 -2.92 0.00	51.26 -3.94 0.00	52.95 -4.30 0.00	39.16 -2.92 0.00	29.04 -2.52 0.05	31.21 -2.95 0.00	28.83 -2.92 0.00	28.43 -2.54 0.00	23.27 -2.30 0.00	22.59 -2.51 0.00	29.55 -3.44 0.01	45.28 -4.83 0.01	38.35 -3.76 0.00	37.38 -3.79 0.02	41.42 -7.16 23.26	32.80 -4.83 8.30	36.81 -5.12 4.75	40.32 -4.76 1.85	40.09 -4.43 1.59
GELCKHM___115KV_LOAD 80723	43.02 -1.57 0.00	41.36 -1.49 0.00	40.80 -1.53 0.00	39.63 -1.51 0.00	42.25 -1.51 0.00	41.65 -1.32 0.00	53.80 -1.40 0.00	55.89 -1.36 0.00	40.96 -1.12 0.00	30.52 -1.06 0.03	32.94 -1.22 0.00	30.59 -1.16 0.00	29.85 -1.12 0.00	24.62 -0.95 0.00	24.15 -0.95 0.00	31.74 -1.24 0.00	48.48 -1.63 0.00	40.97 -1.14 0.00	40.10 -1.08 0.01	82.31 -2.03 -12.51	47.84 -1.42 -3.33	43.40 -1.64 1.65	44.15 -1.69 1.08	43.48 -1.69 0.93
GENERAL___MILLS 23808	40.86 -3.73 0.00	39.85 -3.00 0.00	39.18 -3.14 0.00	38.00 -3.13 0.00	40.50 -3.26 0.00	40.01 -2.96 0.00	51.18 -4.02 0.00	52.86 -4.39 0.00	39.09 -2.99 0.00	28.98 -2.58 0.05	31.14 -3.01 0.00	28.79 -2.96 0.00	28.40 -2.57 0.00	23.23 -2.34 0.00	22.56 -2.54 0.00	29.51 -3.47 0.01	45.23 -4.88 0.01	38.29 -3.82 0.00	37.31 -3.85 0.02	40.97 -7.28 23.58	32.62 -4.91 8.40	36.72 -5.18 4.77	40.25 -4.82 1.85	40.03 -4.48 1.59
GE_PLASTICS___DRP 24183	45.58 0.99 0.00	43.68 0.83 0.00	43.19 0.86 0.00	42.02 0.89 0.00	44.69 0.93 0.00	43.91 0.94 0.00	56.80 1.60 0.00	58.99 1.73 0.00	43.17 1.09 0.00	32.24 0.63 0.00	34.86 0.70 0.00	32.45 0.70 0.00	31.60 0.62 0.00	26.14 0.57 0.00	25.74 0.63 0.00	33.84 0.85 0.00	51.35 1.23 0.00	43.18 1.08 0.00	42.23 1.04 0.00	73.45 1.62 0.00	46.95 1.01 0.00	47.41 0.73 0.00	47.56 0.64 0.00	46.79 0.68 0.00
GILBOA___1 23756	45.48 0.89 0.00	43.59 0.74 0.00	43.06 0.73 0.00	41.88 0.75 0.00	44.58 0.82 0.00	43.84 0.87 0.00	56.72 1.52 0.00	58.93 1.68 0.00	43.20 1.12 0.00	32.33 0.72 0.00	34.96 0.81 0.00	32.53 0.77 0.00	31.67 0.70 0.00	26.16 0.59 0.00	25.73 0.62 0.00	33.81 0.82 0.00	51.25 1.14 0.00	43.16 1.06 0.00	42.32 1.14 0.00	73.33 1.81 0.31	46.82 1.09 0.20	47.10 0.80 0.38	47.61 0.87 0.18	46.83 0.88 0.15
GILBOA___2 23757	45.48 0.89 0.00	43.59 0.74 0.00	43.06 0.73 0.00	41.88 0.75 0.00	44.58 0.82 0.00	43.84 0.87 0.00	56.72 1.52 0.00	58.93 1.68 0.00	43.20 1.12 0.00	32.33 0.72 0.00	34.96 0.81 0.00	32.53 0.77 0.00	31.67 0.70 0.00	26.16 0.59 0.00	25.73 0.62 0.00	33.81 0.82 0.00	51.25 1.14 0.00	43.16 1.06 0.00	42.32 1.14 0.00	73.33 1.81 0.31	46.82 1.09 0.20	47.10 0.80 0.38	47.61 0.87 0.18	46.83 0.88 0.15
GILBOA___3 23758	45.48 0.89 0.00	43.59 0.74 0.00	43.06 0.73 0.00	41.88 0.75 0.00	44.58 0.82 0.00	43.84 0.87 0.00	56.72 1.52 0.00	58.93 1.68 0.00	43.20 1.12 0.00	32.33 0.72 0.00	34.96 0.81 0.00	32.53 0.77 0.00	31.67 0.70 0.00	26.16 0.59 0.00	25.73 0.62 0.00	33.81 0.82 0.00	51.25 1.14 0.00	43.16 1.06 0.00	42.32 1.14 0.00	73.33 1.81 0.31	46.82 1.09 0.20	47.10 0.80 0.38	47.61 0.87 0.18	46.83 0.88 0.15

GILBOA___4 23759	45.48 0.89 0.00	43.59 0.74 0.00	43.06 0.73 0.00	41.88 0.75 0.00	44.58 0.82 0.00	43.84 0.87 0.00	56.72 1.52 0.00	58.93 1.68 0.00	43.20 1.12 0.00	32.33 0.72 0.00	34.96 0.81 0.00	32.53 0.77 0.00	31.67 0.70 0.00	26.16 0.59 0.00	25.73 0.62 0.00	33.81 0.82 0.00	51.25 1.14 0.00	43.16 1.06 0.00	42.32 1.14 0.00	73.33 1.81 0.31	46.82 1.09 0.20	47.10 0.80 0.38	47.61 0.87 0.18	46.83 0.88 0.15
GILBOA____ 23599	45.48 0.89 0.00	43.59 0.74 0.00	43.06 0.73 0.00	41.89 0.75 0.00	44.58 0.82 0.00	43.84 0.87 0.00	56.72 1.52 0.00	58.93 1.68 0.00	43.20 1.12 0.00	32.33 0.72 0.00	34.96 0.81 0.00	32.53 0.77 0.00	31.67 0.70 0.00	26.16 0.59 0.00	25.72 0.62 0.00	33.82 0.83 0.00	51.25 1.13 0.00	43.16 1.06 0.00	42.32 1.14 0.00	73.33 1.81 0.31	46.82 1.09 0.20	47.11 0.81 0.38	47.61 0.88 0.18	46.84 0.89 0.15
GINNA____ 23603	40.28 -4.30 0.00	38.99 -3.86 0.00	38.40 -3.93 0.00	37.31 -3.83 0.00	39.78 -3.98 0.00	39.28 -3.68 0.00	50.60 -4.60 0.00	52.44 -4.81 0.00	38.52 -3.55 0.00	28.58 -2.98 0.06	30.81 -3.34 0.00	28.50 -3.25 0.00	27.94 -3.03 0.00	22.95 -2.63 0.00	22.41 -2.69 0.00	29.42 -3.57 0.01	45.18 -4.92 0.01	38.28 -3.82 0.00	37.41 -3.75 0.02	-0.89 -6.81 65.92	19.22 -4.53 22.18	34.96 -4.84 6.87	40.16 -4.81 1.95	39.75 -4.68 1.68
GLEN PARK____ 23778	44.74 0.15 0.00	42.90 0.04 0.00	42.10 -0.23 0.00	40.81 -0.33 0.00	43.49 -0.27 0.00	42.96 -0.01 0.00	55.93 0.73 0.00	58.31 1.06 0.00	42.49 0.41 0.00	31.16 -0.46 0.00	33.24 -0.92 0.00	30.82 -0.93 0.00	30.05 -0.92 0.00	24.76 -0.82 0.00	24.23 -0.87 0.00	32.01 -0.98 0.00	49.70 -0.41 0.00	42.72 0.62 0.00	42.06 0.88 0.00	73.37 1.53 0.00	46.87 0.94 0.00	47.51 0.83 0.00	47.58 0.66 0.00	46.61 0.51 0.00
GLENDALE_27_KV_LOAD 356172	46.74 2.15 0.00	44.68 1.83 0.00	44.14 1.82 0.00	42.94 1.81 0.00	45.73 1.97 0.00	45.08 2.12 0.00	58.49 3.29 0.00	61.16 3.91 0.00	44.99 2.91 0.00	33.74 2.13 0.00	36.64 2.47 -0.02	35.04 2.37 -0.92	33.12 2.15 0.00	27.37 1.79 0.00	26.90 1.80 0.00	35.30 2.30 0.00	53.47 3.35 0.00	45.16 3.05 0.00	44.52 3.33 0.00	77.16 5.32 0.00	49.33 3.40 0.00	49.47 2.80 0.00	49.54 2.62 0.00	48.71 2.61 0.00
GLENWOOD_IC_1_G5 23712	47.36 2.77 0.00	45.36 2.51 0.00	44.80 2.47 0.00	43.58 2.45 0.00	46.39 2.63 0.00	45.66 2.69 0.00	58.82 3.62 0.00	61.44 4.19 0.00	45.11 3.03 0.00	33.62 2.01 0.00	36.52 2.37 0.00	34.07 2.30 -0.02	33.08 2.11 0.00	27.33 1.76 0.00	29.28 1.85 -2.33	82.45 2.44 -47.02	58.59 3.63 -4.84	45.97 3.28 -0.58	49.95 3.53 -5.23	86.18 5.49 -8.86	81.86 3.53 -32.39	59.67 3.02 -9.97	57.95 2.89 -8.14	50.72 3.18 -1.43
GLENWOOD_IC_2_G1 23688	47.22 2.63 0.00	45.23 2.37 0.00	44.67 2.34 0.00	43.45 2.31 0.00	46.25 2.49 0.00	45.54 2.57 0.00	58.94 3.74 0.00	61.56 4.31 0.00	45.19 3.11 0.00	33.69 2.08 0.00	36.60 2.44 0.00	34.15 2.37 -0.02	33.15 2.18 0.00	27.40 1.82 0.00	29.34 1.91 -2.33	82.50 2.49 -47.02	58.68 3.72 -4.84	46.05 3.36 -0.58	50.02 3.60 -5.23	86.30 5.60 -8.86	81.93 3.60 -32.39	59.74 3.10 -9.97	58.02 2.96 -8.14	50.56 3.03 -1.43
GLENWOOD_IC_3_G1 23689	47.22 2.63 0.00	45.23 2.37 0.00	44.67 2.34 0.00	43.45 2.31 0.00	46.25 2.49 0.00	45.54 2.57 0.00	58.94 3.74 0.00	61.56 4.31 0.00	45.19 3.11 0.00	33.69 2.08 0.00	36.60 2.44 0.00	34.15 2.37 -0.02	33.15 2.18 0.00	27.40 1.82 0.00	29.34 1.91 -2.33	82.50 2.49 -47.02	58.68 3.72 -4.84	46.05 3.36 -0.58	50.02 3.60 -5.23	86.30 5.60 -8.86	81.93 3.60 -32.39	59.74 3.10 -9.97	58.02 2.96 -8.14	50.56 3.03 -1.43
GLENWOOD___4 23550	47.36 2.77 0.00	45.36 2.51 0.00	44.80 2.47 0.00	43.58 2.45 0.00	46.39 2.63 0.00	45.67 2.70 0.00	58.95 3.75 0.00	61.59 4.34 0.00	45.20 3.12 0.00	33.69 2.08 0.00	36.60 2.45 0.00	34.15 2.38 -0.02	33.16 2.18 0.00	27.40 1.82 0.00	29.35 1.91 -2.33	82.53 2.52 -47.02	58.71 3.75 -4.84	46.08 3.39 -0.58	50.06 3.64 -5.23	86.38 5.69 -8.86	81.96 3.64 -32.39	59.78 3.14 -9.97	58.05 2.99 -8.14	50.72 3.18 -1.43
GLENWOOD___5 23614	47.36 2.77 0.00	45.36 2.51 0.00	44.80 2.47 0.00	43.58 2.45 0.00	46.39 2.63 0.00	45.67 2.70 0.00	58.95 3.75 0.00	61.59 4.34 0.00	45.20 3.12 0.00	33.69 2.08 0.00	36.60 2.45 0.00	34.15 2.38 -0.02	33.16 2.18 0.00	27.40 1.82 0.00	29.35 1.91 -2.33	82.53 2.52 -47.02	58.71 3.75 -4.84	46.08 3.39 -0.58	50.06 3.64 -5.23	86.38 5.69 -8.86	81.96 3.64 -32.39	59.78 3.14 -9.97	58.05 2.99 -8.14	50.72 3.18 -1.43
GLOBAL GREEN_PORT_GT1 23814	48.24 3.64 0.00	46.18 3.33 0.00	45.75 3.42 0.00	44.57 3.44 0.00	47.42 3.66 0.00	46.93 3.96 0.00	61.44 6.24 0.00	64.19 6.94 0.00	46.78 4.70 0.00	34.55 2.94 0.00	37.44 3.29 0.00	34.92 3.15 -0.02	33.87 2.89 0.00	27.88 2.31 0.00	29.86 2.43 -2.33	83.31 3.30 -47.02	60.49 5.52 -4.84	47.77 5.08 -0.58	52.15 5.73 -5.24	90.05 9.35 -8.86	84.25 5.92 -32.39	61.78 5.13 -9.97	59.79 4.74 -8.14	52.21 4.67 -1.43
GLOBE___DSASP 323697	39.28 -5.31 0.00	38.51 -4.34 0.00	37.84 -4.49 0.00	36.72 -4.42 0.00	39.08 -4.68 0.00	38.58 -4.38 0.00	48.93 -6.27 0.00	50.10 -7.15 0.00	37.15 -4.92 0.00	27.59 -3.96 0.05	29.61 -4.54 0.00	27.34 -4.42 0.00	27.00 -3.98 0.00	22.11 -3.46 0.00	21.45 -3.66 0.00	27.97 -5.01 0.01	42.76 -7.35 0.01	36.21 -5.89 0.00	35.26 -5.91 0.02	32.68 -10.90 28.25	28.84 -7.19 9.91	34.14 -7.42 5.11	38.13 -6.87 1.92	38.02 -6.44 1.65
GOETHSLN___LBMP 323567	39.17 1.74 7.15	39.89 1.41 4.38	39.89 1.41 3.85	39.40 1.43 3.16	40.44 1.57 4.89	40.39 1.71 4.29	43.27 2.69 14.62	46.89 3.25 13.60	39.03 2.44 5.49	33.43 1.82 0.00	36.33 2.15 -0.02	34.60 2.07 -0.78	32.86 1.89 0.00	27.15 1.58 0.00	26.70 1.59 0.00	35.01 2.02 0.00	44.82 2.81 8.11	39.87 2.63 4.87	40.87 2.91 3.22	49.37 4.52 26.98	40.48 2.82 8.27	46.92 2.17 1.94	46.38 2.02 2.56	46.81 2.07 1.36
GOLAH___69_KV_TB 1_2 80279	42.05 -2.54 0.00	40.82 -2.04 0.00	40.15 -2.18 0.00	38.99 -2.15 0.00	41.56 -2.20 0.00	41.08 -1.89 0.00	52.77 -2.43 0.00	54.50 -2.75 0.00	40.12 -1.96 0.00	29.69 -1.87 0.06	31.91 -2.24 0.00	29.52 -2.23 0.00	29.00 -1.97 0.00	23.80 -1.77 0.00	23.17 -1.93 0.00	30.38 -2.60 0.01	46.70 -3.41 0.01	39.66 -2.45 0.00	38.73 -2.44 0.02	26.07 -4.66 41.10	28.44 -3.21 14.29	37.33 -3.49 5.86	41.63 -3.29 1.99	41.25 -3.14 1.71
GOODYEAR_LAKE_HYD 323669	46.06 1.47 0.00	44.25 1.39 0.00	43.65 1.33 0.00	42.39 1.25 0.00	45.20 1.44 0.00	44.60 1.64 0.00	57.74 2.54 0.00	60.06 2.81 0.00	44.06 1.98 0.00	32.85 1.25 0.01	35.43 1.28 0.00	32.91 1.15 0.00	32.09 1.12 0.00	26.43 0.86 0.00	25.89 0.79 0.00	34.04 1.05 0.00	52.04 1.92 0.00	44.07 1.96 0.00	43.19 2.01 0.00	85.66 3.34 -10.48	51.08 2.00 -3.15	48.29 1.82 0.21	48.42 1.84 0.33	47.56 1.74 0.28

GOUDEY___7 345031	44.17 -0.42 0.00	42.35 -0.50 0.00	41.79 -0.53 0.00	40.55 -0.58 0.00	43.31 -0.45 0.00	42.70 -0.27 0.00	55.25 0.05 0.00	57.57 0.33 0.00	42.12 0.04 0.00	31.34 -0.25 0.02	33.82 -0.33 0.00	31.42 -0.33 0.00	30.64 -0.33 0.00	25.21 -0.36 0.00	24.74 -0.36 0.00	32.62 -0.36 0.00	49.87 -0.24 0.00	42.15 0.04 0.00	41.30 0.12 0.01	94.64 0.11 -22.70	52.66 -0.11 -6.84	45.87 -0.42 0.39	45.76 -0.47 0.68	45.04 -0.48 0.59
GOUDEY___7 23579	44.20 -0.39 0.00	42.38 -0.47 0.00	41.82 -0.51 0.00	40.59 -0.55 0.00	43.35 -0.42 0.00	42.74 -0.23 0.00	55.30 0.10 0.00	57.63 0.38 0.00	42.15 0.08 0.00	31.37 -0.22 0.02	33.85 -0.30 0.00	31.45 -0.30 0.00	30.67 -0.30 0.00	25.24 -0.33 0.00	24.76 -0.34 0.00	32.65 -0.33 0.00	49.93 -0.19 0.00	42.19 0.08 0.00	41.34 0.17 0.01	94.72 0.18 -22.70	52.71 -0.06 -6.84	45.91 -0.38 0.39	45.80 -0.44 0.68	45.08 -0.44 0.59
GOUDEY___8 23580	44.17 -0.42 0.00	42.35 -0.50 0.00	41.79 -0.53 0.00	40.55 -0.58 0.00	43.31 -0.45 0.00	42.70 -0.27 0.00	55.25 0.05 0.00	57.57 0.33 0.00	42.12 0.04 0.00	31.34 -0.25 0.02	33.82 -0.33 0.00	31.42 -0.33 0.00	30.64 -0.33 0.00	25.21 -0.36 0.00	24.74 -0.36 0.00	32.62 -0.36 0.00	49.87 -0.24 0.00	42.15 0.04 0.00	41.30 0.12 0.01	94.64 0.11 -22.70	52.66 -0.11 -6.84	45.87 -0.42 0.39	45.76 -0.47 0.68	45.04 -0.48 0.59
GOWANUS_GT1_1 24077	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT1_2 24078	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT1_3 24079	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT1_4 24080	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT1_5 24084	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT1_6 24111	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT1_7 24112	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT1_8 24113	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT2_1 24114	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT2_2 24115	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT2_3 24116	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT2_4 24117	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00

GOWANUS_GT2_5 24118	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT2_6 24119	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT2_7 24120	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT2_8 24121	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT3_1 24122	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT3_2 24123	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT3_3 24124	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT3_4 24125	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT3_5 24126	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT3_6 24127	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT3_7 24128	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT3_8 24129	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
GOWANUS_GT4_1 24130	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT4_2 24131	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT4_3 24132	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00

GOWANUS_GT4_4 24133	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT4_5 24134	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT4_6 24135	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT4_7 24136	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GOWANUS_GT4_8 24137	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GREENBSH_115KV_TB3 55895	45.50 0.91 0.00	43.59 0.74 0.00	43.10 0.77 0.00	41.95 0.81 0.00	44.61 0.84 0.00	43.82 0.85 0.00	56.69 1.49 0.00	58.87 1.62 0.00	43.07 0.99 0.00	32.15 0.54 0.00	34.77 0.62 0.00	32.38 0.63 0.00	31.53 0.55 0.00	26.11 0.54 0.00	25.72 0.62 0.00	33.81 0.82 0.00	51.25 1.13 0.00	43.02 0.92 0.00	41.99 0.80 0.00	73.03 1.20 0.00	46.68 0.74 0.00	47.13 0.45 0.00	47.23 0.31 0.00	46.49 0.38 0.00
GREENDGE_115KV_TB5 80291	43.29 -1.30 0.00	41.61 -1.24 0.00	41.10 -1.22 0.00	39.87 -1.26 0.00	42.71 -1.05 0.00	42.24 -0.72 0.00	54.86 -0.34 0.00	57.35 0.10 0.00	41.79 -0.29 0.00	30.95 -0.63 0.03	33.31 -0.85 0.00	30.85 -0.90 0.00	30.10 -0.87 0.00	24.69 -0.88 0.00	24.20 -0.90 0.00	31.97 -1.02 0.01	49.03 -1.09 0.01	41.86 -0.24 0.00	41.05 -0.12 0.01	237.49 -0.34 -166.00	97.58 -0.51 -52.15	50.68 -0.93 -4.94	44.71 -1.04 1.17	44.01 -1.08 1.01
GREENIDGE___3 23582	43.29 -1.30 0.00	41.61 -1.24 0.00	41.10 -1.22 0.00	39.87 -1.26 0.00	42.71 -1.05 0.00	42.24 -0.72 0.00	54.86 -0.34 0.00	57.35 0.10 0.00	41.79 -0.29 0.00	30.95 -0.63 0.03	33.31 -0.85 0.00	30.85 -0.90 0.00	30.10 -0.87 0.00	24.69 -0.88 0.00	24.20 -0.90 0.00	31.97 -1.02 0.01	49.03 -1.09 0.01	41.86 -0.24 0.00	41.05 -0.12 0.01	237.49 -0.34 -166.00	97.58 -0.51 -52.15	50.68 -0.93 -4.94	44.71 -1.04 1.17	44.01 -1.08 1.01
GREENIDGE___4 23583	43.29 -1.30 0.00	41.62 -1.23 0.00	41.11 -1.22 0.00	39.87 -1.26 0.00	42.73 -1.04 0.00	42.24 -0.72 0.00	54.86 -0.34 0.00	57.35 0.10 0.00	41.79 -0.29 0.00	30.94 -0.64 0.03	33.31 -0.84 0.00	30.85 -0.90 0.00	30.10 -0.87 0.00	24.70 -0.88 0.00	24.19 -0.91 0.00	31.96 -1.02 0.01	49.03 -1.09 0.01	41.86 -0.25 0.00	41.05 -0.12 0.01	237.50 -0.33 -166.00	97.59 -0.50 -52.15	50.70 -0.92 -4.94	44.71 -1.03 1.17	44.03 -1.07 1.01
GREENLWN_69_KV_BK 3 55738	47.17 2.58 0.00	45.17 2.32 0.00	44.61 2.29 0.00	43.41 2.27 0.00	46.14 2.38 0.00	45.38 2.42 0.00	58.88 3.68 0.00	61.48 4.23 0.00	45.12 3.04 0.00	33.61 2.00 0.00	36.60 2.45 0.00	34.14 2.36 -0.02	33.13 2.15 0.00	27.38 1.81 0.00	29.36 1.93 -2.33	82.55 2.54 -47.02	58.67 3.71 -4.84	46.01 3.32 -0.58	50.11 3.69 -5.24	86.43 5.73 -8.86	81.95 3.63 -32.39	59.70 3.05 -9.97	57.99 2.93 -8.14	50.52 2.98 -1.43
GREENWD_138_KV_38B11_REV_LBMP_J 345004	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00
GRISSOM___SOLAR 323813	48.82 4.23 0.00	46.93 4.08 0.00	46.29 3.96 0.00	45.00 3.86 0.00	48.00 4.24 0.00	47.46 4.49 0.00	61.58 6.38 0.00	64.00 6.75 0.00	46.33 4.26 0.00	33.44 1.83 0.00	35.42 1.27 0.00	32.84 1.09 0.00	32.05 1.07 0.00	26.42 0.85 0.00	25.89 0.79 0.00	34.14 1.15 0.00	54.04 3.93 0.00	46.96 4.85 0.00	46.10 4.91 0.00	80.31 8.48 0.00	51.11 5.18 0.00	51.83 5.16 0.00	51.83 4.91 0.00	50.76 4.66 0.00
GROVEVILLE___HYD 323602	46.81 2.22 0.00	44.79 1.94 0.00	44.20 1.87 0.00	43.03 1.90 0.00	45.80 2.04 0.00	45.09 2.12 0.00	58.59 3.39 0.00	61.14 3.89 0.00	44.77 2.69 0.00	33.41 1.80 0.00	36.15 2.00 0.00	33.66 1.91 0.00	32.70 1.73 0.00	27.01 1.44 0.00	26.60 1.49 0.00	34.99 2.00 0.00	53.21 3.09 0.00	45.01 2.91 0.00	44.26 3.07 0.00	76.77 4.94 0.00	49.01 3.08 0.00	49.29 2.61 0.00	49.40 2.48 0.00	48.51 2.40 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	43.38 -1.20 0.00	41.70 -1.15 0.00	41.13 -1.20 0.00	39.95 -1.19 0.00	42.62 -1.14 0.00	42.02 -0.95 0.00	54.33 -0.87 0.00	56.44 -0.80 0.00	41.31 -0.77 0.00	30.78 -0.82 0.02	33.19 -0.96 0.00	30.83 -0.93 0.00	30.08 -0.89 0.00	24.81 -0.76 0.00	24.33 -0.77 0.00	32.01 -0.98 0.00	48.92 -1.19 0.00	41.36 -0.74 0.00	40.48 -0.70 0.01	95.80 -1.36 -25.33	52.61 -0.99 -7.67	45.26 -1.21 0.20	44.98 -1.29 0.65	44.24 -1.31 0.56
HAMLTNNY_34_KV_TB 80303	43.41 -1.18 0.00	41.72 -1.13 0.00	41.15 -1.18 0.00	39.99 -1.14 0.00	42.65 -1.11 0.00	42.06 -0.90 0.00	54.40 -0.80 0.00	56.61 -0.64 0.00	41.45 -0.63 0.00	30.86 -0.74 0.02	33.25 -0.90 0.00	30.86 -0.89 0.00	30.11 -0.86 0.00	24.82 -0.75 0.00	24.35 -0.76 0.00	32.04 -0.95 0.00	49.03 -1.09 0.00	41.46 -0.64 0.00	40.61 -0.57 0.01	102.21 -1.12 -31.50	54.73 -0.87 -9.67	45.75 -1.12 -0.19	45.14 -1.19 0.59	44.38 -1.21 0.51

HAMPSHIRE___PAPER_HYD 323593	44.82 0.23 0.00	43.15 0.30 0.00	42.57 0.24 0.00	41.27 0.14 0.00	43.89 0.13 0.00	43.06 0.09 0.00	55.17 -0.03 0.00	57.23 -0.02 0.00	41.98 -0.10 0.00	31.39 -0.22 0.00	33.69 -0.46 0.00	31.23 -0.52 0.00	30.50 -0.47 0.00	25.17 -0.41 0.00	24.65 -0.45 0.00	32.48 -0.51 0.00	49.80 -0.32 0.00	42.14 0.03 0.00	41.22 0.03 0.00	72.20 0.37 0.00	46.23 0.29 0.00	47.15 0.47 0.00	47.36 0.44 0.00	46.70 0.59 0.00
HARDSCRABBLE_WT_PWR 323673	45.08 0.49 0.00	43.10 0.24 0.00	42.60 0.27 0.00	41.48 0.35 0.00	44.16 0.40 0.00	43.51 0.55 0.00	56.60 1.40 0.00	58.77 1.52 0.00	42.69 0.61 0.00	31.64 0.03 0.00	34.15 -0.01 0.00	31.81 0.06 0.00	30.94 -0.03 0.00	25.58 0.00 0.00	25.21 0.11 0.00	33.28 0.29 0.00	50.63 0.51 0.00	42.89 0.79 0.00	42.16 0.97 0.00	73.05 1.22 0.00	46.74 0.81 0.00	47.19 0.51 0.00	47.10 0.18 0.00	46.24 0.14 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	46.43 1.84 0.00	44.45 1.60 0.00	43.84 1.52 0.00	42.66 1.52 0.00	45.42 1.66 0.00	44.73 1.77 0.00	58.16 2.96 0.00	60.71 3.46 0.00	44.47 2.39 0.00	33.15 1.54 0.00	35.88 1.73 0.00	33.41 1.66 0.00	32.51 1.53 0.00	26.82 1.25 0.00	26.38 1.28 0.00	34.70 1.71 0.00	52.81 2.69 0.00	44.73 2.63 0.00	43.96 2.77 0.00	76.23 4.40 0.00	48.67 2.73 0.00	48.97 2.30 0.00	49.14 2.22 0.00	48.18 2.08 0.00
HARSNRAD_115KV_TB1 81005	40.12 -4.47 0.00	39.22 -3.63 0.00	38.52 -3.81 0.00	37.38 -3.76 0.00	39.80 -3.96 0.00	39.34 -3.62 0.00	50.14 -5.06 0.00	51.62 -5.63 0.00	38.24 -3.84 0.00	28.33 -3.23 0.05	30.38 -3.78 0.00	28.04 -3.71 0.00	27.69 -3.29 0.00	22.68 -2.89 0.00	21.99 -3.11 0.00	28.74 -4.24 0.01	44.03 -6.08 0.01	37.34 -4.76 0.00	36.38 -4.79 0.02	32.96 -8.93 29.95	29.47 -5.95 10.51	35.25 -6.23 5.20	39.22 -5.78 1.92	39.04 -5.41 1.65
HARZA MOOSE___RIVER 24016	45.43 0.84 0.00	43.59 0.74 0.00	42.91 0.58 0.00	41.68 0.55 0.00	44.37 0.61 0.00	43.71 0.74 0.00	56.66 1.46 0.00	58.95 1.71 0.00	43.09 1.01 0.00	32.01 0.40 0.01	34.39 0.24 0.00	31.90 0.15 0.00	31.08 0.11 0.00	25.65 0.07 0.00	25.16 0.06 0.00	33.20 0.20 0.00	51.03 0.91 0.00	43.25 1.15 0.00	42.40 1.22 0.00	73.48 2.09 0.44	46.94 1.31 0.30	47.33 1.21 0.56	47.75 1.09 0.27	46.90 1.02 0.23
HDSNBRDG_115KV_BRDG_TB1 355580	42.93 -1.66 0.00	41.27 -1.58 0.00	40.70 -1.63 0.00	39.54 -1.59 0.00	42.16 -1.60 0.00	41.56 -1.40 0.00	53.71 -1.49 0.00	55.82 -1.43 0.00	40.92 -1.16 0.00	30.47 -1.11 0.03	32.88 -1.28 0.00	30.53 -1.22 0.00	29.80 -1.17 0.00	24.58 -1.00 0.00	24.11 -0.99 0.00	31.69 -1.30 0.01	48.40 -1.71 0.01	40.90 -1.20 0.00	40.04 -1.13 0.01	67.77 -2.15 1.91	43.13 -1.50 1.31	42.52 -1.73 2.44	43.98 -1.78 1.15	43.34 -1.78 0.99
HELLGATE_13_KV_LD 55870	46.51 1.92 0.00	44.49 1.64 0.00	43.96 1.63 0.00	42.76 1.63 0.00	45.54 1.78 0.00	44.86 1.90 0.00	58.20 3.00 0.00	60.86 3.61 0.00	44.77 2.68 0.00	33.57 1.96 0.00	36.45 2.28 -0.02	34.86 2.19 -0.92	32.94 1.97 0.00	27.22 1.65 0.00	26.76 1.66 0.00	35.11 2.11 0.00	53.19 3.08 0.00	44.90 2.80 0.00	44.27 3.08 0.00	76.71 4.88 0.00	49.09 3.15 0.00	49.24 2.56 0.00	49.33 2.41 0.00	48.50 2.40 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	46.51 1.92 0.00	44.49 1.64 0.00	43.96 1.63 0.00	42.76 1.63 0.00	45.54 1.78 0.00	44.86 1.90 0.00	58.20 3.00 0.00	60.86 3.61 0.00	44.77 2.68 0.00	33.57 1.96 0.00	36.45 2.28 -0.02	34.86 2.19 -0.92	32.94 1.97 0.00	27.22 1.65 0.00	26.76 1.66 0.00	35.11 2.11 0.00	53.19 3.08 0.00	44.90 2.80 0.00	44.27 3.08 0.00	76.71 4.88 0.00	49.09 3.15 0.00	49.24 2.56 0.00	49.33 2.41 0.00	48.50 2.40 0.00
HEMPSTEAD____ 23647	47.17 2.58 0.00	45.18 2.33 0.00	44.61 2.28 0.00	43.41 2.27 0.00	46.20 2.44 0.00	45.51 2.54 0.00	58.88 3.68 0.00	61.51 4.27 0.00	45.17 3.09 0.00	33.65 2.04 0.00	36.55 2.40 0.00	34.11 2.33 -0.02	33.12 2.14 0.00	27.36 1.79 0.00	29.32 1.89 -2.33	82.49 2.49 -47.02	58.64 3.68 -4.84	45.99 3.30 -0.58	49.97 3.55 -5.23	86.20 5.51 -8.86	81.89 3.56 -32.39	59.74 3.09 -9.97	58.00 2.95 -8.14	50.53 3.00 -1.43
HEWLETT__69_KV_BK3 55828	47.44 2.85 0.00	45.45 2.59 0.00	44.90 2.57 0.00	43.67 2.53 0.00	46.46 2.70 0.00	45.71 2.75 0.00	58.98 3.78 0.00	61.62 4.37 0.00	45.22 3.14 0.00	33.86 2.25 0.00	36.79 2.64 0.00	34.35 2.57 -0.02	33.35 2.38 0.00	27.56 1.99 0.00	29.49 2.06 -2.33	82.61 2.60 -47.02	58.76 3.80 -4.84	46.13 3.44 -0.58	50.07 3.66 -5.23	86.30 5.60 -8.86	81.98 3.66 -32.39	59.84 3.19 -9.97	58.30 3.24 -8.14	50.71 3.18 -1.43
HICKLING___1 23621	43.65 -0.93 0.00	41.75 -1.10 0.00	41.28 -1.05 0.00	39.95 -1.19 0.00	42.91 -0.85 0.00	42.42 -0.54 0.00	55.08 -0.12 0.00	57.70 0.45 0.00	41.99 -0.08 0.00	31.12 -0.47 0.03	33.51 -0.64 0.00	31.11 -0.64 0.00	30.36 -0.62 0.00	24.87 -0.70 0.00	24.38 -0.72 0.00	32.30 -0.69 0.00	49.67 -0.44 0.00	42.14 0.03 0.00	41.35 0.18 0.01	124.08 0.28 -51.97	61.77 -0.15 -15.99	46.34 -0.61 -0.28	45.21 -0.72 0.99	44.51 -0.74 0.85
HICKLING___2 23622	43.65 -0.93 0.00	41.75 -1.10 0.00	41.28 -1.05 0.00	39.95 -1.19 0.00	42.91 -0.85 0.00	42.42 -0.54 0.00	55.08 -0.12 0.00	57.70 0.45 0.00	41.99 -0.08 0.00	31.12 -0.47 0.03	33.51 -0.64 0.00	31.11 -0.64 0.00	30.36 -0.62 0.00	24.87 -0.70 0.00	24.38 -0.72 0.00	32.30 -0.69 0.00	49.67 -0.44 0.00	42.14 0.03 0.00	41.35 0.18 0.01	124.08 0.28 -51.97	61.77 -0.15 -15.99	46.34 -0.61 -0.28	45.21 -0.72 0.99	44.51 -0.74 0.85
HIGH FALLS___HY 23754	46.70 2.11 0.00	44.71 1.86 0.00	44.08 1.75 0.00	42.89 1.76 0.00	45.69 1.93 0.00	45.03 2.07 0.00	58.63 3.43 0.00	61.28 4.03 0.00	44.87 2.79 0.00	33.38 1.77 0.00	36.01 1.85 0.00	33.40 1.65 0.00	32.24 1.27 0.00	26.60 1.03 0.00	26.19 1.09 0.00	34.49 1.50 0.00	52.65 2.54 0.00	44.81 2.71 0.00	44.16 2.97 0.00	76.62 4.78 0.00	49.20 3.27 0.00	49.47 2.79 0.00	49.61 2.69 0.00	48.64 2.54 0.00
HILLBURN___GT 23639	46.30 1.71 0.00	44.34 1.49 0.00	43.73 1.40 0.00	42.55 1.41 0.00	45.30 1.54 0.00	44.62 1.66 0.00	58.03 2.83 0.00	60.61 3.36 0.00	44.41 2.33 0.00	33.11 1.49 0.00	35.87 1.71 0.00	33.42 1.67 0.00	32.52 1.55 0.00	26.83 1.25 0.00	26.38 1.27 0.00	34.65 1.65 0.00	52.67 2.55 0.00	44.63 2.53 0.00	43.87 2.68 0.00	76.02 4.19 0.00	48.56 2.62 0.00	48.87 2.19 0.00	49.05 2.13 0.00	48.10 1.99 0.00
HILLSIDE_115KV_TB1 80332	43.10 -1.49 0.00	41.19 -1.66 0.00	40.71 -1.62 0.00	39.39 -1.75 0.00	42.27 -1.49 0.00	41.75 -1.22 0.00	54.11 -1.10 0.00	56.66 -0.59 0.00	41.29 -0.80 0.00	30.64 -0.95 0.03	33.04 -1.12 0.00	30.69 -1.06 0.00	29.92 -1.05 0.00	24.52 -1.06 0.00	24.06 -1.04 0.00	31.84 -1.15 0.00	48.87 -1.25 0.00	41.37 -0.74 0.00	40.59 -0.58 0.01	118.73 -1.04 -47.93	59.72 -0.94 -14.72	45.45 -1.39 -0.16	44.47 -1.49 0.96	43.78 -1.49 0.83

HISHELDN_WT_PWR 323625	40.33 -4.26 0.00	39.41 -3.45 0.00	38.76 -3.57 0.00	37.59 -3.55 0.00	40.05 -3.72 0.00	39.58 -3.39 0.00	50.70 -4.50 0.00	52.30 -4.94 0.00	38.69 -3.39 0.00	28.71 -2.85 0.05	30.87 -3.28 0.00	28.52 -3.23 0.00	28.14 -2.83 0.00	23.04 -2.53 0.00	22.35 -2.75 0.00	29.29 -3.69 0.01	44.82 -5.29 0.01	37.95 -4.16 0.00	36.97 -4.19 0.02	38.56 -7.79 25.48	31.74 -5.18 9.02	36.29 -5.47 4.91	39.95 -5.09 1.88	39.66 -4.83 1.61
HOLTSVILLE_IC_1 23690	47.54 2.95 0.00	45.58 2.72 0.00	45.04 2.72 0.00	43.83 2.69 0.00	46.63 2.88 0.00	45.97 3.00 0.00	59.81 4.61 0.00	62.43 5.18 0.00	45.76 3.68 0.00	33.95 2.34 0.00	36.88 2.72 0.00	34.37 2.60 -0.02	33.35 2.38 0.00	27.55 1.98 0.00	29.56 2.13 -2.33	82.90 2.89 -47.02	59.44 4.48 -4.84	46.70 4.01 -0.58	50.95 4.53 -5.24	87.85 7.16 -8.86	82.80 4.48 -32.39	60.46 3.82 -9.97	58.70 3.65 -8.14	51.19 3.66 -1.43
HOLTSVILLE_IC_10 23699	47.75 3.16 0.00	45.79 2.93 0.00	45.25 2.93 0.00	44.01 2.88 0.00	46.84 3.08 0.00	46.20 3.23 0.00	60.16 4.96 0.00	62.81 5.56 0.00	46.02 3.94 0.00	34.13 2.52 0.00	37.05 2.89 0.00	34.52 2.75 -0.02	33.50 2.53 0.00	27.66 2.09 0.00	29.67 2.24 -2.33	83.09 3.08 -47.02	59.77 4.80 -4.84	47.00 4.31 -0.58	51.27 4.84 -5.24	88.41 7.72 -8.86	83.15 4.82 -32.39	60.77 4.12 -9.97	59.00 3.94 -8.14	51.45 3.92 -1.43
HOLTSVILLE_IC_2 23691	47.54 2.95 0.00	45.58 2.72 0.00	45.04 2.72 0.00	43.83 2.69 0.00	46.63 2.88 0.00	45.97 3.00 0.00	59.81 4.61 0.00	62.43 5.18 0.00	45.76 3.68 0.00	33.95 2.34 0.00	36.88 2.72 0.00	34.37 2.60 -0.02	33.35 2.38 0.00	27.55 1.98 0.00	29.56 2.13 -2.33	82.90 2.89 -47.02	59.44 4.48 -4.84	46.70 4.01 -0.58	50.95 4.53 -5.24	87.85 7.16 -8.86	82.80 4.48 -32.39	60.46 3.82 -9.97	58.70 3.65 -8.14	51.19 3.66 -1.43
HOLTSVILLE_IC_3 23692	47.54 2.95 0.00	45.58 2.72 0.00	45.04 2.72 0.00	43.83 2.69 0.00	46.63 2.88 0.00	45.97 3.00 0.00	59.81 4.61 0.00	62.43 5.18 0.00	45.76 3.68 0.00	33.95 2.34 0.00	36.88 2.72 0.00	34.37 2.60 0.00	33.35 2.38 0.00	27.55 1.98 0.00	29.56 2.13 -2.33	82.90 2.89 -47.02	59.44 4.48 -4.84	46.70 4.01 -0.58	50.95 4.53 -5.24	87.85 7.16 -8.86	82.80 4.48 -32.39	60.46 3.82 -9.97	58.70 3.65 -8.14	51.19 3.66 -1.43
HOLTSVILLE_IC_4 23693	47.54 2.95 0.00	45.58 2.72 0.00	45.04 2.72 0.00	43.83 2.69 0.00	46.63 2.88 0.00	45.97 3.00 0.00	59.81 4.61 0.00	62.43 5.18 0.00	45.76 3.68 0.00	33.95 2.34 0.00	36.88 2.72 0.00	34.37 2.60 -0.02	33.35 2.38 0.00	27.55 1.98 0.00	29.56 2.13 -2.33	82.90 2.89 -47.02	59.44 4.48 -4.84	46.70 4.01 -0.58	50.95 4.53 -5.24	87.85 7.16 -8.86	82.80 4.48 -32.39	60.46 3.82 -9.97	58.70 3.65 -8.14	51.19 3.66 -1.43
HOLTSVILLE_IC_5 23694	47.54 2.95 0.00	45.58 2.72 0.00	45.04 2.72 0.00	43.83 2.69 0.00	46.63 2.88 0.00	45.97 3.00 0.00	59.81 4.61 0.00	62.43 5.18 0.00	45.76 3.68 0.00	33.95 2.34 0.00	36.88 2.72 0.00	34.37 2.60 -0.02	33.35 2.38 0.00	27.55 1.98 0.00	29.56 2.13 -2.33	82.90 2.89 -47.02	59.44 4.48 -4.84	46.70 4.01 -0.58	50.95 4.53 -5.24	87.85 7.16 -8.86	82.80 4.48 -32.39	60.46 3.82 -9.97	58.70 3.65 -8.14	51.19 3.66 -1.43
HOLTSVILLE_IC_6 23695	47.75 3.16 0.00	45.79 2.93 0.00	45.25 2.93 0.00	44.01 2.88 0.00	46.84 3.08 0.00	46.20 3.23 0.00	60.16 4.96 0.00	62.81 5.56 0.00	46.02 3.94 0.00	34.13 2.52 0.00	37.05 2.89 0.00	34.52 2.75 -0.02	33.50 2.53 0.00	27.66 2.09 0.00	29.67 2.24 -2.33	83.09 3.08 -47.02	59.77 4.80 -4.84	47.00 4.31 -0.58	51.27 4.84 -5.24	88.41 7.72 -8.86	83.15 4.82 -32.39	60.77 4.12 -9.97	59.00 3.94 -8.14	51.45 3.92 -1.43
HOLTSVILLE_IC_7 23696	47.75 3.16 0.00	45.79 2.93 0.00	45.25 2.93 0.00	44.01 2.88 0.00	46.84 3.08 0.00	46.20 3.23 0.00	60.16 4.96 0.00	62.81 5.56 0.00	46.02 3.94 0.00	34.13 2.52 0.00	37.05 2.89 0.00	34.52 2.75 -0.02	33.50 2.53 0.00	27.66 2.09 0.00	29.67 2.24 -2.33	83.09 3.08 -47.02	59.77 4.80 -4.84	47.00 4.31 -0.58	51.27 4.84 -5.24	88.41 7.72 -8.86	83.15 4.82 -32.39	60.77 4.12 -9.97	59.00 3.94 -8.14	51.45 3.92 -1.43
HOLTSVILLE_IC_8 23697	47.75 3.16 0.00	45.79 2.93 0.00	45.25 2.93 0.00	44.01 2.88 0.00	46.84 3.08 0.00	46.20 3.23 0.00	60.16 4.96 0.00	62.81 5.56 0.00	46.02 3.94 0.00	34.13 2.52 0.00	37.05 2.89 0.00	34.52 2.75 -0.02	33.50 2.53 0.00	27.66 2.09 0.00	29.67 2.24 -2.33	83.09 3.08 -47.02	59.77 4.80 -4.84	47.00 4.31 -0.58	51.27 4.84 -5.24	88.41 7.72 -8.86	83.15 4.82 -32.39	60.77 4.12 -9.97	59.00 3.94 -8.14	51.45 3.92 -1.43
HOLTSVILLE_IC_9 23698	47.75 3.16 0.00	45.79 2.93 0.00	45.25 2.93 0.00	44.01 2.88 0.00	46.84 3.08 0.00	46.20 3.23 0.00	60.16 4.96 0.00	62.81 5.56 0.00	46.02 3.94 0.00	34.13 2.52 0.00	37.05 2.89 0.00	34.52 2.75 -0.02	33.50 2.53 0.00	27.66 2.09 0.00	29.67 2.24 -2.33	83.09 3.08 -47.02	59.77 4.80 -4.84	47.00 4.31 -0.58	51.27 4.84 -5.24	88.41 7.72 -8.86	83.15 4.82 -32.39	60.77 4.12 -9.97	59.00 3.94 -8.14	51.45 3.92 -1.43
HOMER_HL_115KV_TB2 355744	42.59 -2.00 0.00	41.17 -1.69 0.00	40.40 -1.92 0.00	39.22 -1.91 0.00	41.86 -1.90 0.00	41.10 -1.87 0.00	52.70 -2.50 0.00	54.66 -2.59 0.00	40.14 -1.94 0.00	29.68 -1.89 0.05	32.19 -1.97 0.00	29.92 -1.83 0.00	29.58 -1.40 0.00	24.24 -1.33 0.00	23.56 -1.54 0.00	30.93 -2.05 0.01	47.49 -2.62 0.01	39.93 -2.17 0.00	38.82 -2.34 0.02	63.88 -4.62 3.34	40.77 -3.28 1.89	39.54 -3.63 3.52	41.95 -3.30 1.67	41.73 -2.94 1.44
HOWARD_WT_PWR 323690	43.41 -1.18 0.00	41.59 -1.26 0.00	41.39 -0.94 0.00	40.00 -1.14 0.00	43.21 -0.55 0.00	42.56 -0.40 0.00	55.50 0.30 0.00	58.30 1.05 0.00	42.29 0.21 0.00	31.34 -0.23 0.04	33.76 -0.39 0.00	31.36 -0.39 0.00	30.59 -0.38 0.00	25.01 -0.57 0.00	24.50 -0.61 0.00	32.54 -0.44 0.01	50.27 0.16 0.01	42.96 0.85 0.00	42.25 1.08 0.01	127.05 1.79 -53.43	63.04 0.78 -16.33	46.82 0.28 0.14	45.94 0.25 1.23	45.11 0.06 1.06
HQ_GEN_CEDARS 23644	45.34 0.75 0.00	43.80 0.94 0.00	43.35 1.02 0.00	42.03 0.90 0.00	44.63 0.87 0.00	43.65 0.68 0.00	55.33 0.12 0.00	57.06 -0.20 0.00	42.15 0.07 0.00	31.95 0.34 0.00	34.46 0.31 0.00	32.01 0.26 0.00	31.33 0.36 0.00	25.86 0.28 0.00	25.30 0.20 0.00	33.23 0.23 0.00	50.41 0.30 0.00	42.18 0.07 0.00	41.10 -0.09 0.00	72.25 0.42 0.00	46.34 0.40 0.00	47.53 0.85 0.00	47.87 0.95 0.00	47.14 1.04 0.00
HQ_GEN_CEDARS_PROXY 323590	45.34 0.74 0.00	43.80 0.94 0.00	43.35 1.02 0.00	42.03 0.90 0.00	44.63 0.87 0.00	43.65 0.68 0.00	55.33 0.12 0.00	57.06 -0.19 0.00	42.15 0.07 0.00	31.95 0.34 0.00	34.46 0.31 0.00	32.01 0.26 0.00	31.33 0.36 0.00	25.86 0.28 0.00	25.30 0.20 0.00	33.23 0.24 0.00	50.42 0.30 0.00	42.18 0.08 0.00	41.10 -0.09 0.00	72.23 0.40 0.00	44.70 0.40 1.64	47.53 0.85 0.00	47.87 0.95 0.00	47.14 1.04 0.00

HQ_GEN_IMPORT 323601	44.91 0.41 0.09	50.15 0.50 -6.80	42.85 0.53 0.00	41.61 0.47 0.00	44.20 0.44 0.00	43.25 0.29 0.00	55.03 -0.17 0.00	56.45 -0.38 0.43	42.41 -0.08 -0.41	31.80 0.19 0.00	34.38 0.23 0.00	31.95 0.20 0.00	31.22 0.25 0.00	25.77 0.19 0.00	25.25 0.15 0.00	33.17 0.17 0.00	50.28 0.16 0.00	38.34 -0.10 3.66	40.96 -0.23 0.00	71.74 -0.09 0.00	45.99 0.05 0.00	47.10 0.42 0.00	47.42 0.50 0.00	47.23 0.51 -0.62
HQ_GEN_WHEEL 23651	44.91 0.41 0.09	50.15 0.50 -6.80	42.85 0.53 0.00	41.61 0.47 0.00	44.20 0.44 0.00	43.25 0.29 0.00	55.03 -0.17 0.00	56.45 -0.38 0.43	42.41 -0.08 -0.41	31.80 0.19 0.00	34.38 0.23 0.00	31.95 0.20 0.00	31.22 0.25 0.00	25.77 0.19 0.00	25.25 0.15 0.00	33.17 0.17 0.00	50.28 0.16 0.00	38.34 -0.10 3.66	40.96 -0.23 0.00	71.74 -0.09 0.00	45.99 0.05 0.00	47.10 0.42 0.00	47.42 0.50 0.00	47.23 0.51 -0.62
HUDSON AVE_GT_3 23810	46.66 2.07 0.00	44.58 1.73 0.00	44.05 1.73 0.00	42.87 1.73 0.00	45.65 1.89 0.00	45.00 2.04 0.00	58.33 3.13 0.00	60.96 3.71 0.00	44.85 2.77 0.00	33.64 2.03 0.00	36.53 2.36 -0.02	34.80 2.27 -0.78	33.06 2.08 0.00	27.32 1.74 0.00	26.85 1.75 0.00	35.21 2.22 0.00	53.31 3.19 0.00	45.06 2.95 0.00	44.40 3.21 0.00	76.90 5.07 0.00	49.11 3.18 0.00	49.22 2.54 0.00	49.31 2.39 0.00	48.50 2.39 0.00
HUDSON AVE_GT_4 23540	46.66 2.07 0.00	44.58 1.73 0.00	44.05 1.73 0.00	42.87 1.73 0.00	45.65 1.89 0.00	45.00 2.04 0.00	58.33 3.13 0.00	60.96 3.71 0.00	44.85 2.77 0.00	33.64 2.03 0.00	36.53 2.36 -0.02	34.80 2.27 -0.78	33.06 2.08 0.00	27.32 1.74 0.00	26.85 1.75 0.00	35.21 2.22 0.00	53.31 3.19 0.00	45.06 2.95 0.00	44.40 3.21 0.00	76.90 5.07 0.00	49.11 3.18 0.00	49.22 2.54 0.00	49.31 2.39 0.00	48.50 2.39 0.00
HUDSON AVE_GT_5 23657	46.66 2.07 0.00	44.58 1.73 0.00	44.05 1.73 0.00	42.87 1.73 0.00	45.65 1.89 0.00	45.00 2.04 0.00	58.33 3.13 0.00	60.96 3.71 0.00	44.85 2.77 0.00	33.64 2.03 0.00	36.53 2.36 -0.02	34.80 2.27 -0.78	33.06 2.08 0.00	27.32 1.74 0.00	26.85 1.75 0.00	35.21 2.22 0.00	53.31 3.19 0.00	45.06 2.95 0.00	44.40 3.21 0.00	76.90 5.07 0.00	49.11 3.18 0.00	49.22 2.54 0.00	49.31 2.39 0.00	48.50 2.39 0.00
HUDSON_AVE_10 24168	46.55 1.96 0.00	44.47 1.62 0.00	43.97 1.64 0.00	42.79 1.65 0.00	45.60 1.84 0.00	44.95 1.98 0.00	58.22 3.02 0.00	60.83 3.58 0.00	44.75 2.67 0.00	33.57 1.96 0.00	36.44 2.27 -0.02	34.72 2.20 -0.78	32.98 2.01 0.00	27.26 1.68 0.00	26.78 1.68 0.00	35.12 2.13 0.00	53.16 3.04 0.00	44.94 2.84 0.00	44.29 3.10 0.00	76.71 4.88 0.00	49.00 3.07 0.00	49.09 2.41 0.00	49.16 2.25 0.00	48.36 2.26 0.00
HUDSON___115KV_TB 4 355613	46.66 2.07 0.00	44.69 1.83 0.00	44.21 1.88 0.00	43.02 1.88 0.00	45.75 1.99 0.00	44.96 2.00 0.00	58.15 2.95 0.00	60.36 3.11 0.00	44.01 1.93 0.00	32.60 0.99 0.00	35.09 0.94 0.00	32.61 0.86 0.00	31.75 0.78 0.00	26.29 0.71 0.00	25.93 0.83 0.00	34.24 1.25 0.00	52.27 2.15 0.00	44.10 1.99 0.00	43.12 1.93 0.00	74.99 3.15 0.00	47.90 1.97 0.00	48.33 1.65 0.00	48.36 1.44 0.00	47.53 1.42 0.00
HUNTER MOUNT___DRP 323613	47.07 2.48 0.00	45.10 2.24 0.00	44.62 2.29 0.00	43.43 2.29 0.00	46.21 2.45 0.00	45.44 2.48 0.00	58.81 3.61 0.00	61.05 3.80 0.00	44.42 2.34 0.00	32.81 1.20 0.00	35.25 1.10 0.00	32.74 0.99 0.00	31.90 0.93 0.00	26.42 0.85 0.00	26.05 0.95 0.00	34.46 1.47 0.00	52.76 2.64 0.00	44.55 2.45 0.00	43.58 2.39 0.00	75.80 3.97 0.00	48.34 2.41 0.00	48.79 2.11 0.00	48.80 1.88 0.00	47.94 1.84 0.00
HUNTINGTON_RES_REC 323705	47.39 2.80 0.00	45.39 2.54 0.00	44.84 2.51 0.00	43.62 2.49 0.00	46.39 2.63 0.00	45.68 2.72 0.00	59.38 4.18 0.00	62.00 4.75 0.00	45.46 3.38 0.00	33.79 2.17 0.00	36.74 2.58 0.00	34.25 2.47 -0.02	33.22 2.25 0.00	27.46 1.89 0.00	29.46 2.03 -2.33	82.73 2.72 -47.02	59.09 4.13 -4.84	46.38 3.69 -0.58	50.60 4.18 -5.24	87.28 6.58 -8.86	82.43 4.11 -32.39	60.10 3.45 -9.97	58.36 3.31 -8.14	50.87 3.34 -1.43
HUNTLEY___63 23557	40.45 -4.14 0.00	39.56 -3.30 0.00	38.87 -3.46 0.00	37.71 -3.43 0.00	40.19 -3.57 0.00	39.72 -3.24 0.00	50.63 -4.57 0.00	52.06 -5.18 0.00	38.58 -3.50 0.00	28.59 -2.97 0.05	30.70 -3.46 0.00	28.35 -3.41 0.00	27.95 -3.02 0.00	22.89 -2.69 0.00	22.21 -2.89 0.00	29.03 -3.96 0.01	44.44 -5.67 0.01	37.68 -4.43 0.00	36.70 -4.47 0.02	36.07 -8.34 27.42	30.68 -5.60 9.66	35.78 -5.86 5.04	39.61 -5.41 1.90	39.39 -5.08 1.63
HUNTLEY___64 23558	40.45 -4.14 0.00	39.56 -3.30 0.00	38.87 -3.46 0.00	37.71 -3.43 0.00	40.19 -3.57 0.00	39.72 -3.24 0.00	50.63 -4.57 0.00	52.06 -5.18 0.00	38.58 -3.50 0.00	28.59 -2.97 0.05	30.70 -3.46 0.00	28.35 -3.41 0.00	27.95 -3.02 0.00	22.89 -2.69 0.00	22.21 -2.89 0.00	29.03 -3.96 0.01	44.44 -5.67 0.01	37.68 -4.43 0.00	36.70 -4.47 0.02	36.07 -8.34 27.42	30.68 -5.60 9.66	35.78 -5.86 5.04	39.61 -5.41 1.90	39.39 -5.08 1.63
HUNTLEY___65 23559	40.45 -4.14 0.00	39.56 -3.30 0.00	38.87 -3.46 0.00	37.71 -3.43 0.00	40.19 -3.57 0.00	39.72 -3.24 0.00	50.63 -4.57 0.00	52.06 -5.18 0.00	38.58 -3.50 0.00	28.59 -2.97 0.05	30.70 -3.46 0.00	28.35 -3.41 0.00	27.95 -3.02 0.00	22.89 -2.69 0.00	22.21 -2.89 0.00	29.03 -3.96 0.01	44.44 -5.67 0.01	37.68 -4.43 0.00	36.70 -4.47 0.02	36.07 -8.34 27.42	30.68 -5.60 9.66	35.78 -5.86 5.04	39.61 -5.41 1.90	39.39 -5.08 1.63
HUNTLEY___66 23560	40.45 -4.14 0.00	39.56 -3.30 0.00	38.87 -3.46 0.00	37.71 -3.43 0.00	40.19 -3.57 0.00	39.72 -3.24 0.00	50.63 -4.57 0.00	52.06 -5.18 0.00	38.58 -3.50 0.00	28.59 -2.97 0.05	30.70 -3.46 0.00	28.35 -3.41 0.00	27.95 -3.02 0.00	22.89 -2.69 0.00	22.21 -2.89 0.00	29.03 -3.96 0.01	44.44 -5.67 0.01	37.68 -4.43 0.00	36.70 -4.47 0.02	36.07 -8.34 27.42	30.68 -5.60 9.66	35.78 -5.86 5.04	39.61 -5.41 1.90	39.39 -5.08 1.63
HUNTLEY___67 23561	40.30 -4.30 0.00	39.36 -3.50 0.00	38.68 -3.65 0.00	37.53 -3.61 0.00	39.97 -3.79 0.00	39.46 -3.50 0.00	50.36 -4.83 0.00	51.90 -5.36 0.00	38.42 -3.66 0.00	28.52 -3.04 0.05	30.64 -3.51 0.00	28.31 -3.44 0.00	27.93 -3.04 0.00	22.86 -2.71 0.00	22.19 -2.91 0.00	28.99 -3.99 0.01	44.40 -5.71 0.01	37.58 -4.53 0.00	36.62 -4.55 0.02	37.08 -8.48 26.28	31.01 -5.66 9.27	35.78 -5.93 4.97	39.53 -5.50 1.89	39.35 -5.13 1.63
HUNTLEY___68 23562	40.30 -4.30 0.00	39.36 -3.50 0.00	38.68 -3.65 0.00	37.53 -3.61 0.00	39.97 -3.79 0.00	39.46 -3.50 0.00	50.36 -4.83 0.00	51.90 -5.36 0.00	38.42 -3.66 0.00	28.52 -3.04 0.05	30.64 -3.51 0.00	28.31 -3.44 0.00	27.93 -3.04 0.00	22.86 -2.71 0.00	22.19 -2.91 0.00	28.99 -3.99 0.01	44.40 -5.71 0.01	37.58 -4.53 0.00	36.62 -4.55 0.02	37.08 -8.48 26.28	31.01 -5.66 9.27	35.78 -5.93 4.97	39.53 -5.50 1.89	39.35 -5.13 1.63

HYLAND___LFGE 323620	43.37 -1.22 0.00	41.71 -1.15 0.00	41.14 -1.18 0.00	39.93 -1.20 0.00	42.84 -0.91 0.00	42.46 -0.51 0.00	55.30 0.10 0.00	57.83 0.58 0.00	41.87 -0.21 0.00	30.38 -1.18 0.04	32.68 -1.47 0.00	29.81 -1.94 0.00	29.10 -1.88 0.00	23.80 -1.77 0.00	23.23 -1.88 0.00	30.66 -2.32 0.01	47.65 -2.46 0.01	41.99 -0.12 0.00	41.45 0.28 0.02	91.64 -0.07 -19.88	51.22 -0.15 -5.44	43.81 -0.67 2.19	44.65 -0.76 1.51	43.85 -0.96 1.30
INDECK___CORINTH 23802	45.10 0.51 0.00	43.12 0.27 0.00	42.76 0.43 0.00	41.58 0.44 0.00	44.28 0.52 0.00	43.56 0.60 0.00	56.72 1.52 0.00	58.93 1.68 0.00	42.90 0.82 0.00	32.15 0.54 0.00	34.67 0.52 0.00	32.24 0.49 0.00	31.45 0.47 0.00	25.84 0.27 0.00	25.43 0.33 0.00	33.62 0.63 0.00	51.35 1.23 0.00	43.23 1.13 0.00	42.52 1.33 0.00	73.98 2.15 0.00	47.08 1.15 0.00	47.44 0.76 0.00	47.32 0.40 0.00	46.49 0.38 0.00
INDECK___ILION 23567	45.01 0.42 0.00	43.11 0.25 0.00	42.60 0.27 0.00	41.44 0.31 0.00	44.11 0.35 0.00	43.41 0.45 0.00	56.24 1.04 0.00	58.38 1.13 0.00	42.63 0.55 0.00	31.75 0.13 0.00	34.28 0.13 0.00	31.91 0.16 0.00	31.06 0.09 0.00	25.66 0.09 0.00	25.25 0.15 0.00	33.28 0.28 0.00	50.64 0.53 0.00	42.77 0.67 0.00	41.97 0.78 0.00	72.92 1.09 0.00	46.63 0.70 0.00	47.15 0.47 0.00	47.19 0.27 0.00	46.34 0.24 0.00
INDECK___OLEAN 23982	42.58 -2.01 0.00	41.15 -1.70 0.00	40.39 -1.93 0.00	39.22 -1.92 0.00	41.86 -1.90 0.00	41.08 -1.88 0.00	52.69 -2.51 0.00	54.66 -2.59 0.00	40.14 -1.95 0.00	29.67 -1.90 0.05	32.21 -1.94 0.00	29.92 -1.83 0.00	29.58 -1.39 0.00	24.24 -1.33 0.00	23.54 -1.57 0.00	30.96 -2.02 0.01	47.50 -2.61 0.01	39.94 -2.17 0.00	38.83 -2.34 0.02	63.91 -4.59 3.34	40.85 -3.19 1.89	39.62 -3.54 3.52	42.02 -3.23 1.67	41.75 -2.92 1.44
INDECK___OSWEGO 23783	42.58 -2.01 0.00	40.92 -1.93 0.00	40.35 -1.97 0.00	39.21 -1.92 0.00	41.79 -1.97 0.00	41.17 -1.80 0.00	53.18 -2.02 0.00	55.24 -2.01 0.00	40.50 -1.58 0.00	30.24 -1.40 -0.03	32.56 -1.59 0.00	30.25 -1.50 0.00	29.52 -1.46 0.00	24.35 -1.22 0.00	23.89 -1.21 0.00	31.41 -1.58 0.00	47.95 -2.18 0.00	40.54 -1.56 0.00	39.73 -1.46 -0.01	82.51 -2.71 -13.39	48.95 -1.82 -4.84	47.21 -2.01 -2.54	45.82 -2.06 -0.96	44.86 -2.07 -0.83
INDECK___YERKES 23781	40.49 -4.10 0.00	39.60 -3.26 0.00	38.89 -3.44 0.00	37.75 -3.39 0.00	40.23 -3.53 0.00	39.75 -3.21 0.00	50.68 -4.52 0.00	52.13 -5.12 0.00	38.61 -3.47 0.00	28.61 -2.95 0.05	30.77 -3.39 0.00	28.38 -3.38 0.00	27.99 -2.99 0.00	22.91 -2.66 0.00	22.21 -2.89 0.00	29.10 -3.88 0.01	44.51 -5.60 0.01	37.73 -4.37 0.00	36.74 -4.43 0.02	36.20 -8.22 27.42	30.82 -5.45 9.66	35.92 -5.72 5.04	39.74 -5.28 1.90	39.46 -5.02 1.63
INDIAN POINT_GT_1 24139	46.43 1.84 0.00	44.44 1.58 0.00	43.85 1.52 0.00	42.67 1.54 0.00	45.42 1.66 0.00	44.74 1.78 0.00	58.11 2.91 0.00	60.66 3.41 0.00	44.49 2.41 0.00	33.24 1.63 0.00	36.03 1.88 0.00	33.58 1.82 -0.02	32.63 1.66 0.00	26.95 1.38 0.00	26.50 1.40 0.00	34.82 1.83 0.00	52.86 2.74 0.00	44.72 2.62 0.00	44.00 2.81 0.00	76.25 4.42 0.00	48.71 2.77 0.00	48.95 2.27 0.00	49.07 2.15 0.00	48.11 2.01 0.00
INDIAN POINT_GT_2 23659	46.43 1.84 0.00	44.44 1.58 0.00	43.85 1.52 0.00	42.67 1.54 0.00	45.42 1.66 0.00	44.74 1.78 0.00	58.11 2.91 0.00	60.66 3.41 0.00	44.49 2.41 0.00	33.24 1.63 0.00	36.03 1.88 0.00	33.58 1.82 -0.02	32.63 1.66 0.00	26.95 1.38 0.00	26.50 1.40 0.00	34.82 1.83 0.00	52.86 2.74 0.00	44.72 2.62 0.00	44.00 2.81 0.00	76.25 4.42 0.00	48.71 2.77 0.00	48.95 2.27 0.00	49.07 2.15 0.00	48.11 2.01 0.00
INDIAN POINT_GT_3 24019	46.43 1.84 0.00	44.44 1.58 0.00	43.85 1.52 0.00	42.67 1.54 0.00	45.42 1.66 0.00	44.74 1.78 0.00	58.11 2.91 0.00	60.66 3.41 0.00	44.49 2.41 0.00	33.24 1.63 0.00	36.03 1.88 0.00	33.58 1.82 -0.02	32.63 1.66 0.00	26.95 1.38 0.00	26.50 1.40 0.00	34.82 1.83 0.00	52.86 2.74 0.00	44.72 2.62 0.00	44.00 2.81 0.00	76.25 4.42 0.00	48.71 2.77 0.00	48.95 2.27 0.00	49.07 2.15 0.00	48.11 2.01 0.00
INDIAN POINT___2 23530	46.26 1.67 0.00	44.28 1.43 0.00	43.70 1.37 0.00	42.52 1.38 0.00	45.27 1.51 0.00	44.58 1.61 0.00	57.90 2.70 0.00	60.46 3.21 0.00	44.33 2.25 0.00	33.09 1.47 0.00	35.86 1.71 0.00	33.43 1.67 -0.02	32.50 1.52 0.00	26.82 1.25 0.00	26.38 1.27 0.00	34.64 1.65 0.00	52.61 2.49 0.00	44.54 2.44 0.00	43.81 2.62 0.00	75.90 4.07 0.00	48.48 2.54 0.00	48.77 2.09 0.00	48.93 2.01 0.00	48.04 1.94 0.00
INDIAN POINT___3 23531	46.30 1.71 0.00	44.32 1.47 0.00	43.74 1.41 0.00	42.56 1.43 0.00	45.32 1.56 0.00	44.62 1.65 0.00	57.95 2.75 0.00	60.51 3.26 0.00	44.36 2.28 0.00	33.13 1.52 0.00	35.91 1.75 0.00	33.47 1.70 -0.02	32.54 1.56 0.00	26.85 1.28 0.00	26.41 1.30 0.00	34.70 1.71 0.00	52.67 2.55 0.00	44.58 2.48 0.00	43.83 2.64 0.00	75.98 4.14 0.00	48.55 2.61 0.00	48.81 2.14 0.00	48.96 2.05 0.00	48.07 1.96 0.00
INGHAM_C_115KV_TB7 356103	45.09 0.50 0.00	43.05 0.20 0.00	42.56 0.24 0.00	41.47 0.33 0.00	44.15 0.39 0.00	43.52 0.56 0.00	56.76 1.56 0.00	58.91 1.67 0.00	42.68 0.60 0.00	31.52 -0.09 0.00	34.01 -0.14 0.00	31.72 -0.03 0.00	30.82 -0.16 0.00	25.48 -0.09 0.00	25.14 0.04 0.00	33.24 0.24 0.00	50.61 0.49 0.00	42.93 0.83 0.00	42.27 1.08 0.00	73.22 1.39 0.00	46.84 0.90 0.00	47.20 0.52 0.00	47.02 0.11 0.00	46.16 0.05 0.00
IP CORINTH___1 23988	45.34 0.75 0.00	43.35 0.50 0.00	42.98 0.66 0.00	41.81 0.67 0.00	44.51 0.75 0.00	43.80 0.83 0.00	57.02 1.82 0.00	59.26 2.01 0.00	43.14 1.06 0.00	32.33 0.72 0.00	34.86 0.71 0.00	32.41 0.66 0.00	31.62 0.64 0.00	25.97 0.40 0.00	25.57 0.46 0.00	33.79 0.80 0.00	51.62 1.50 0.00	43.47 1.36 0.00	42.75 1.56 0.00	74.39 2.56 0.00	47.33 1.40 0.00	47.70 1.02 0.00	47.58 0.66 0.00	46.74 0.64 0.00
IP___TICONDEROGA 23804	47.08 2.49 0.00	44.80 1.94 0.00	44.86 2.53 0.00	43.51 2.37 0.00	46.35 2.59 0.00	45.67 2.71 0.00	59.98 4.78 0.00	62.22 4.97 0.00	45.03 2.95 0.00	33.70 2.09 0.00	36.26 2.11 0.00	33.68 1.93 0.00	33.10 2.13 0.00	27.19 1.62 0.00	26.74 1.63 0.00	35.56 2.57 0.00	54.56 4.45 0.00	45.56 3.46 0.00	45.07 3.88 0.00	78.50 6.67 0.00	49.50 3.57 0.00	49.76 3.08 0.00	49.30 2.39 0.00	48.44 2.34 0.00
ISLIP_RES_REC 323679	47.93 3.34 0.00	45.96 3.10 0.00	45.41 3.08 0.00	44.17 3.04 0.00	47.02 3.26 0.00	46.39 3.42 0.00	60.43 5.24 0.00	63.12 5.87 0.00	46.24 4.16 0.00	34.28 2.67 0.00	37.20 3.04 0.00	34.65 2.88 -0.02	33.63 2.65 0.00	27.76 2.19 0.00	29.79 2.35 -2.33	83.25 3.24 -47.02	60.04 5.08 -4.84	47.25 4.56 -0.58	51.52 5.09 -5.24	88.83 8.13 -8.86	83.40 5.08 -32.39	61.00 4.35 -9.97	59.21 4.16 -8.14	51.65 4.12 -1.43

JAMAICA__27_KV_LOAD 355505	46.86 2.26 0.00	44.77 1.92 0.00	44.38 2.05 0.00	43.20 2.06 0.00	46.07 2.31 0.00	45.44 2.48 0.00	58.76 3.57 0.00	61.33 4.08 0.00	45.11 3.04 0.00	33.84 2.23 0.00	36.70 2.53 -0.02	34.99 2.46 -0.78	33.25 2.27 0.00	27.45 1.87 0.00	26.94 1.84 0.00	35.35 2.35 0.00	53.50 3.38 0.00	45.26 3.16 0.00	44.64 3.45 0.00	77.26 5.43 0.00	49.41 3.48 0.00	49.46 2.78 0.00	49.49 2.57 0.00	48.62 2.52 0.00
JANIS__SOLAR 323808	45.89 1.30 0.00	44.09 1.23 0.00	43.44 1.11 0.00	42.22 1.09 0.00	45.10 1.34 0.00	44.69 1.73 0.00	58.18 2.98 0.00	60.67 3.43 0.00	44.08 2.00 0.00	32.38 0.79 0.02	34.60 0.45 0.00	32.01 0.26 0.00	31.19 0.22 0.00	25.66 0.09 0.00	25.20 0.09 0.00	33.44 0.45 0.00	51.92 1.80 0.00	44.31 2.20 0.00	43.45 2.27 0.01	106.95 3.89 -31.22	57.66 2.19 -9.53	48.44 1.81 0.04	47.91 1.69 0.70	47.01 1.50 0.60
JARVIS____ 23743	44.75 0.16 0.00	42.94 0.09 0.00	42.41 0.09 0.00	41.25 0.12 0.00	43.89 0.13 0.00	43.12 0.16 0.00	55.60 0.40 0.00	57.71 0.46 0.00	42.36 0.28 0.00	31.74 0.13 0.00	34.29 0.13 0.00	31.88 0.13 0.00	31.07 0.10 0.00	25.68 0.10 0.00	25.23 0.12 0.00	33.16 0.17 0.00	50.38 0.26 0.00	42.40 0.30 0.00	41.52 0.33 0.00	72.31 0.48 0.00	46.21 0.28 0.00	46.85 0.17 0.00	47.05 0.13 0.00	46.23 0.13 0.00
JENNISON____1 23625	46.01 1.42 0.00	44.25 1.40 0.00	43.44 1.11 0.00	42.22 1.08 0.00	45.14 1.38 0.00	44.75 1.79 0.00	58.35 3.16 0.00	60.83 3.58 0.00	44.55 2.47 0.00	33.06 1.46 0.02	35.55 1.40 0.00	32.93 1.18 0.00	32.10 1.13 0.00	26.39 0.82 0.00	25.85 0.75 0.00	34.17 1.19 0.00	52.68 2.56 0.00	44.67 2.57 0.00	43.71 2.54 0.01	97.32 4.38 -21.11	54.87 2.54 -6.39	48.57 2.12 0.24	48.28 1.93 0.58	47.33 1.72 0.49
JENNISON____2 23626	46.01 1.42 0.00	44.25 1.40 0.00	43.44 1.11 0.00	42.22 1.08 0.00	45.14 1.38 0.00	44.75 1.79 0.00	58.35 3.16 0.00	60.83 3.58 0.00	44.55 2.47 0.00	33.06 1.46 0.02	35.55 1.40 0.00	32.93 1.18 0.00	32.10 1.13 0.00	26.39 0.82 0.00	25.85 0.75 0.00	34.17 1.19 0.00	52.68 2.56 0.00	44.67 2.57 0.00	43.71 2.54 0.01	97.32 4.38 -21.11	54.87 2.54 -6.39	48.57 2.12 0.24	48.28 1.93 0.58	47.33 1.72 0.49
JERICOHO_RISE_WT_PWR 323719	46.21 1.62 0.00	44.43 1.58 0.00	44.38 2.05 0.00	42.78 1.65 0.00	45.33 1.57 0.00	44.42 1.46 0.00	56.34 1.14 0.00	57.96 0.71 0.00	42.77 0.69 0.00	32.57 0.96 0.00	35.02 0.86 0.00	32.51 0.76 0.00	31.82 0.84 0.00	26.31 0.73 0.00	25.66 0.56 0.00	33.86 0.87 0.00	51.63 1.51 0.00	43.25 1.14 0.00	42.20 1.01 0.00	73.96 2.13 0.00	47.36 1.43 0.00	48.57 1.89 0.00	48.88 1.96 0.00	48.32 2.22 0.00
KATONAH__115KV_46KV_TB4 355592	46.65 2.06 0.00	44.65 1.80 0.00	44.08 1.75 0.00	42.91 1.77 0.00	45.67 1.91 0.00	44.98 2.01 0.00	58.41 3.21 0.00	60.95 3.70 0.00	44.68 2.60 0.00	33.39 1.78 0.00	36.18 2.03 0.00	33.67 1.92 0.00	32.73 1.75 0.00	27.03 1.45 0.00	26.60 1.50 0.00	34.95 1.96 0.00	53.07 2.96 0.00	44.88 2.78 0.00	44.15 2.96 0.00	76.56 4.72 0.00	48.87 2.93 0.00	49.13 2.45 0.00	49.22 2.30 0.00	48.37 2.26 0.00
KCE_NY_1 323755	46.20 1.61 0.00	44.23 1.38 0.00	43.76 1.43 0.00	42.58 1.45 0.00	45.33 1.57 0.00	44.60 1.64 0.00	57.90 2.70 0.00	60.14 2.89 0.00	43.84 1.76 0.00	32.69 1.08 0.00	35.29 1.14 0.00	32.82 1.07 0.00	31.98 1.00 0.00	26.42 0.84 0.00	26.01 0.90 0.00	34.31 1.32 0.00	52.33 2.21 0.00	44.11 2.01 0.00	43.30 2.12 0.00	75.31 3.48 0.00	48.02 2.09 0.00	48.38 1.70 0.00	48.43 1.50 0.00	47.60 1.49 0.00
KCE_NY_6_ESR 323823	40.87 -3.72 0.00	39.89 -2.97 0.00	39.20 -3.13 0.00	38.02 -3.11 0.00	40.54 -3.22 0.00	40.03 -2.93 0.00	51.24 -3.96 0.00	52.92 -4.33 0.00	39.11 -2.96 0.00	29.00 -2.56 0.05	31.21 -2.95 0.00	28.81 -2.94 0.00	28.42 -2.55 0.00	23.25 -2.32 0.00	22.56 -2.55 0.00	29.57 -3.41 0.01	45.28 -4.83 0.01	38.33 -3.77 0.00	37.35 -3.81 0.02	41.10 -7.15 23.58	32.76 -4.77 8.40	36.84 -5.06 4.77	40.37 -4.70 1.85	40.09 -4.42 1.59
KEDC_PORT_JEFF_GT2 24210	47.70 3.11 0.00	45.72 2.87 0.00	45.19 2.86 0.00	43.96 2.82 0.00	46.77 3.01 0.00	46.14 3.17 0.00	60.05 4.86 0.00	62.71 5.46 0.00	45.95 3.87 0.00	34.09 2.48 0.00	37.01 2.85 0.00	34.48 2.71 -0.02	33.45 2.48 0.00	27.64 2.06 0.00	29.65 2.21 -2.33	83.04 3.02 -47.02	59.68 4.71 -4.84	46.85 4.16 -0.58	51.14 4.72 -5.24	88.28 7.58 -8.86	83.05 4.72 -32.39	60.55 3.90 -9.97	58.91 3.86 -8.14	51.40 3.87 -1.43
KEDC_PORT_JEFF_GT3 24211	47.70 3.11 0.00	45.72 2.87 0.00	45.19 2.86 0.00	43.96 2.82 0.00	46.77 3.01 0.00	46.14 3.17 0.00	60.05 4.86 0.00	62.71 5.46 0.00	45.95 3.87 0.00	34.09 2.48 0.00	37.01 2.85 0.00	34.48 2.71 -0.02	33.45 2.48 0.00	27.64 2.06 0.00	29.65 2.21 -2.33	83.04 3.02 -47.02	59.68 4.71 -4.84	46.85 4.16 -0.58	51.14 4.72 -5.24	88.28 7.58 -8.86	83.05 4.72 -32.39	60.55 3.90 -9.97	58.91 3.86 -8.14	51.40 3.87 -1.43
KEDC_GLWD_GT4 24219	47.36 2.77 0.00	45.36 2.51 0.00	44.80 2.48 0.00	43.59 2.45 0.00	46.39 2.63 0.00	45.66 2.70 0.00	58.81 3.62 0.00	61.44 4.19 0.00	45.10 3.02 0.00	33.62 2.01 0.00	36.52 2.37 0.00	34.07 2.30 -0.02	33.08 2.11 0.00	27.33 1.76 0.00	29.28 1.85 -2.33	82.44 2.43 -47.02	58.59 3.63 -4.84	45.97 3.28 -0.58	49.95 3.53 -5.23	86.18 5.48 -8.86	81.84 3.51 -32.39	59.65 3.00 -9.97	57.93 2.88 -8.14	50.71 3.18 -1.43
KEDC_GLWD_GT5 24220	47.36 2.77 0.00	45.36 2.51 0.00	44.80 2.48 0.00	43.59 2.45 0.00	46.39 2.63 0.00	45.66 2.70 0.00	58.81 3.62 0.00	61.44 4.19 0.00	45.10 3.02 0.00	33.62 2.01 0.00	36.52 2.37 0.00	34.07 2.30 -0.02	33.08 2.11 0.00	27.33 1.76 0.00	29.28 1.85 -2.33	82.44 2.43 -47.02	58.59 3.63 -4.84	45.97 3.28 -0.58	49.95 3.53 -5.23	86.18 5.48 -8.86	81.84 3.51 -32.39	59.65 3.00 -9.97	57.93 2.88 -8.14	50.71 3.18 -1.43
KENSICO____ 23655	46.47 1.88 0.00	44.46 1.60 0.00	43.89 1.56 0.00	42.71 1.57 0.00	45.46 1.70 0.00	44.77 1.81 0.00	58.12 2.92 0.00	60.70 3.45 0.00	44.54 2.46 0.00	33.28 1.67 0.00	36.09 1.93 0.00	33.64 1.87 -0.02	32.68 1.71 0.00	26.99 1.42 0.00	26.55 1.44 0.00	34.87 1.88 0.00	52.90 2.79 0.00	44.76 2.65 0.00	44.02 2.84 0.00	76.29 4.46 0.00	48.74 2.80 0.00	48.98 2.30 0.00	49.12 2.20 0.00	48.24 2.14 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	46.75 2.16 0.00	44.74 1.89 0.00	44.12 1.80 0.00	42.95 1.81 0.00	45.73 1.97 0.00	45.08 2.11 0.00	58.68 3.48 0.00	61.31 4.06 0.00	44.85 2.77 0.00	33.34 1.73 0.00	35.94 1.79 0.00	33.33 1.58 0.00	32.15 1.17 0.00	26.53 0.96 0.00	26.12 1.02 0.00	34.41 1.42 0.00	52.57 2.45 0.00	44.72 2.62 0.00	44.05 2.87 0.00	76.46 4.62 0.00	49.18 3.24 0.00	49.44 2.77 0.00	49.55 2.64 0.00	48.60 2.49 0.00

KIAC_JFK_GT1 23816	46.72 2.13 0.00	44.60 1.75 0.00	44.21 1.88 0.00	43.03 1.90 0.00	45.88 2.12 0.00	45.25 2.28 0.00	58.53 3.33 0.00	61.07 3.82 0.00	44.91 2.83 0.00	33.70 2.09 0.00	36.56 2.39 -0.02	34.85 2.32 -0.78	33.13 2.15 0.00	27.35 1.77 0.00	26.84 1.74 0.00	35.22 2.22 0.00	53.29 3.17 0.00	45.09 2.98 0.00	44.47 3.28 0.00	76.96 5.13 0.00	49.23 3.29 0.00	49.28 2.60 0.00	49.33 2.41 0.00	48.46 2.36 0.00
KIAC_JFK_GT2 23817	46.72 2.13 0.00	44.60 1.75 0.00	44.21 1.88 0.00	43.03 1.90 0.00	45.88 2.12 0.00	45.25 2.28 0.00	58.53 3.33 0.00	61.07 3.82 0.00	44.91 2.83 0.00	33.70 2.09 0.00	36.56 2.39 -0.02	34.85 2.32 -0.78	33.13 2.15 0.00	27.35 1.77 0.00	26.84 1.74 0.00	35.22 2.22 0.00	53.29 3.17 0.00	45.09 2.98 0.00	44.47 3.28 0.00	76.96 5.13 0.00	49.23 3.29 0.00	49.28 2.60 0.00	49.33 2.41 0.00	48.46 2.36 0.00
KIAC_JFK____ 323774	46.72 2.13 0.00	44.60 1.75 0.00	44.21 1.88 0.00	43.03 1.90 0.00	45.88 2.12 0.00	45.25 2.29 0.00	58.53 3.33 0.00	61.07 3.82 0.00	44.92 2.84 0.00	33.70 2.09 0.00	36.56 2.39 -0.02	34.86 2.33 -0.78	33.12 2.15 0.00	27.35 1.77 0.00	26.84 1.74 0.00	35.20 2.21 0.00	53.28 3.16 0.00	45.09 2.98 0.00	44.46 3.27 0.00	76.95 5.12 0.00	49.21 3.28 0.00	49.26 2.58 0.00	49.30 2.38 0.00	48.46 2.35 0.00
KINTIGH____ 23543	40.61 -3.98 0.00	39.55 -3.30 0.00	38.88 -3.45 0.00	37.75 -3.39 0.00	40.20 -3.56 0.00	39.66 -3.30 0.00	50.68 -4.52 0.00	52.25 -5.00 0.00	38.61 -3.47 0.00	28.67 -2.89 0.06	30.86 -3.29 0.00	28.54 -3.21 0.00	28.12 -2.85 0.00	23.05 -2.52 0.00	22.41 -2.70 0.00	29.31 -3.67 0.01	44.87 -5.24 0.01	37.95 -4.15 0.00	37.00 -4.17 0.02	32.47 -7.72 31.64	29.41 -5.15 11.37	35.81 -5.39 5.48	39.88 -5.04 2.00	39.67 -4.72 1.72
KNTFSRNC_46_KV_46KV_LOAD 80397	47.00 2.41 0.00	45.20 2.35 0.00	45.24 2.91 0.00	43.54 2.41 0.00	46.08 2.32 0.00	45.14 2.17 0.00	57.36 2.16 0.00	59.00 1.75 0.00	43.51 1.43 0.00	33.00 1.39 0.00	35.37 1.21 0.00	32.78 1.03 0.00	32.09 1.11 0.00	26.55 0.98 0.00	25.86 0.76 0.00	34.22 1.23 0.00	52.38 2.26 0.00	44.00 1.90 0.00	43.00 1.81 0.00	75.23 3.40 0.00	48.11 2.17 0.00	49.25 2.58 0.00	49.53 2.61 0.00	49.14 3.03 0.00
LACHUTE____HYDRO 323717	47.08 2.49 0.00	44.79 1.94 0.00	44.86 2.53 0.00	43.51 2.37 0.00	46.35 2.59 0.00	45.67 2.71 0.00	59.98 4.78 0.00	62.21 4.97 0.00	45.03 2.95 0.00	33.70 2.09 0.00	36.26 2.11 0.00	33.68 1.93 0.00	33.10 2.13 0.00	27.19 1.62 0.00	26.74 1.63 0.00	35.56 2.57 0.00	54.56 4.45 0.00	45.56 3.46 0.00	45.07 3.88 0.00	78.50 6.67 0.00	49.50 3.57 0.00	49.75 3.08 0.00	49.30 2.38 0.00	48.44 2.34 0.00
LAWRNCV_115KV_TB1 80681	45.09 0.50 0.00	43.56 0.70 0.00	43.13 0.80 0.00	41.81 0.67 0.00	44.40 0.64 0.00	43.38 0.41 0.00	54.91 -0.28 0.00	56.67 -0.58 0.00	41.80 -0.28 0.00	31.64 0.03 0.00	34.05 -0.10 0.00	31.59 -0.16 0.00	30.90 -0.08 0.00	25.51 -0.07 0.00	24.97 -0.13 0.00	32.82 -0.17 0.00	49.92 -0.19 0.00	41.88 -0.22 0.00	40.85 -0.34 0.00	71.84 0.00 0.00	46.06 0.12 0.00	47.23 0.55 0.00	47.54 0.62 0.00	47.01 0.90 0.00
LEDERLE____ 23769	46.44 1.84 0.00	44.45 1.60 0.00	43.83 1.51 0.00	42.66 1.52 0.00	45.42 1.66 0.00	44.73 1.77 0.00	58.18 2.98 0.00	60.77 3.52 0.00	44.53 2.45 0.00	33.20 1.58 0.00	35.98 1.82 0.00	33.52 1.77 0.00	32.61 1.64 0.00	26.91 1.33 0.00	26.45 1.35 0.00	34.76 1.77 0.00	52.84 2.72 0.00	44.76 2.65 0.00	44.00 2.81 0.00	76.27 4.44 0.00	48.70 2.77 0.00	49.01 2.33 0.00	49.19 2.27 0.00	48.22 2.12 0.00
LIGHTHSE_115KV_TB6 355974	43.24 -1.35 0.00	41.48 -1.38 0.00	40.83 -1.50 0.00	39.64 -1.49 0.00	42.25 -1.51 0.00	41.62 -1.35 0.00	53.94 -1.26 0.00	56.11 -1.14 0.00	41.06 -1.02 0.00	30.49 -1.11 0.00	32.75 -1.40 0.00	30.43 -1.32 0.00	29.70 -1.27 0.00	24.48 -1.10 0.00	23.97 -1.14 0.00	31.56 -1.43 0.00	48.42 -1.70 0.00	41.15 -0.95 0.00	40.36 -0.82 0.00	78.11 -1.55 -7.82	47.34 -1.08 -2.49	45.82 -1.20 -0.34	45.68 -1.25 0.00	44.82 -1.29 0.00
LINDEN COGEN____ 23786	39.15 1.72 7.15	39.87 1.39 4.38	39.87 1.39 3.86	39.37 1.40 3.17	40.40 1.54 4.89	40.36 1.69 4.29	43.23 2.65 14.62	46.87 3.23 13.60	39.01 2.42 5.49	33.41 1.80 0.00	36.29 2.12 -0.02	34.59 2.06 -0.78	32.84 1.86 0.00	27.15 1.57 0.00	26.69 1.59 0.00	34.98 1.99 0.00	44.80 2.79 8.11	39.86 2.62 4.87	40.84 2.88 3.23	49.31 4.46 26.98	40.42 2.76 8.27	46.87 2.13 1.94	46.33 1.97 2.56	46.77 2.02 1.36
LINDHRST_69_KV_BK1 356055	47.71 3.12 0.00	45.70 2.85 0.00	45.15 2.82 0.00	43.91 2.77 0.00	46.74 2.99 0.00	46.07 3.10 0.00	59.81 4.61 0.00	62.42 5.17 0.00	45.84 3.76 0.00	34.07 2.45 0.00	37.00 2.85 0.00	34.49 2.72 -0.02	33.47 2.50 0.00	27.66 2.08 0.00	29.64 2.21 -2.33	82.98 2.98 -47.02	59.49 4.52 -4.84	46.72 4.03 -0.58	50.85 4.43 -5.24	87.71 7.01 -8.86	82.78 4.45 -32.39	60.57 3.92 -9.97	58.78 3.73 -8.14	51.24 3.71 -1.43
LIPA_MISC_IPP 23656	47.54 2.95 0.00	45.58 2.73 0.00	45.08 2.75 0.00	43.86 2.73 0.00	46.66 2.90 0.00	46.05 3.08 0.00	60.05 4.84 0.00	62.68 5.44 0.00	45.88 3.80 0.00	33.99 2.38 0.00	36.89 2.73 0.00	34.37 2.60 -0.02	33.35 2.38 0.00	27.53 1.96 0.00	29.55 2.12 -2.33	82.93 2.92 -47.02	59.59 4.63 -4.84	46.88 4.19 -0.58	51.16 4.74 -5.24	88.25 7.55 -8.86	83.05 4.73 -32.39	60.68 4.03 -9.97	58.89 3.84 -8.14	51.35 3.82 -1.43
LISF____SOLAR 323691	47.62 3.03 0.00	45.66 2.80 0.00	45.16 2.83 0.00	43.93 2.79 0.00	46.74 2.98 0.00	46.13 3.17 0.00	60.18 4.98 0.00	62.84 5.59 0.00	45.96 3.88 0.00	34.03 2.42 0.00	36.91 2.75 0.00	34.38 2.61 -0.02	33.35 2.38 0.00	27.54 1.97 0.00	29.57 2.14 -2.33	82.98 2.96 -47.02	59.70 4.74 -4.84	47.00 4.31 -0.58	51.28 4.85 -5.24	88.43 7.73 -8.86	83.16 4.84 -32.39	60.78 4.13 -9.97	58.97 3.92 -8.14	51.44 3.91 -1.43
LITTLE FALLS____HYD 24013	45.09 0.50 0.00	43.05 0.20 0.00	42.56 0.24 0.00	41.47 0.33 0.00	44.15 0.39 0.00	43.52 0.56 0.00	56.76 1.56 0.00	58.91 1.67 0.00	42.68 0.60 0.00	31.52 -0.09 0.00	34.01 -0.14 0.00	31.72 -0.03 0.00	30.82 -0.16 0.00	25.48 -0.09 0.00	25.14 0.04 0.00	33.24 0.24 0.00	50.61 0.49 0.00	42.93 0.83 0.00	42.27 1.08 0.00	73.22 1.39 0.00	46.84 0.90 0.00	47.20 0.52 0.00	47.02 0.11 0.00	46.16 0.05 0.00
LITTLRIV_115KV_TB1 356100	45.68 1.09 0.00	44.18 1.33 0.00	43.73 1.41 0.00	42.43 1.29 0.00	45.11 1.35 0.00	44.17 1.21 0.00	56.01 0.81 0.00	57.85 0.60 0.00	42.51 0.43 0.00	32.09 0.48 0.00	34.50 0.35 0.00	31.92 0.17 0.00	31.22 0.25 0.00	25.79 0.21 0.00	25.30 0.20 0.00	33.23 0.23 0.00	50.65 0.54 0.00	42.64 0.53 0.00	41.67 0.48 0.00	73.38 1.55 0.00	46.98 1.04 0.00	48.14 1.46 0.00	48.41 1.49 0.00	47.80 1.70 0.00

LI_NEWBRDGE___DRP 323616	46.95 2.36 0.00	44.97 2.12 0.00	44.42 2.09 0.00	43.22 2.08 0.00	45.98 2.22 0.00	45.28 2.31 0.00	58.69 3.49 0.00	61.30 4.05 0.00	44.98 2.90 0.00	33.53 1.92 0.00	36.43 2.28 0.00	34.00 2.22 -0.02	33.00 2.03 0.00	27.27 1.70 0.00	29.22 1.79 -2.33	82.36 2.35 -47.02	58.45 3.48 -4.84	45.85 3.16 -0.58	49.82 3.40 -5.24	85.99 5.30 -8.86	81.73 3.41 -32.39	59.54 2.90 -9.97	57.83 2.77 -8.14	50.31 2.78 -1.43
LOCKPORT_115KV_TB60_63_64 80432	40.17 -4.42 0.00	39.25 -3.61 0.00	38.54 -3.79 0.00	37.40 -3.73 0.00	39.84 -3.92 0.00	39.37 -3.59 0.00	50.20 -5.00 0.00	51.68 -5.57 0.00	38.28 -3.80 0.00	28.34 -3.22 0.05	30.38 -3.78 0.00	28.04 -3.71 0.00	27.69 -3.29 0.00	22.68 -2.89 0.00	21.99 -3.11 0.00	28.76 -4.23 0.01	44.05 -6.06 0.01	37.39 -4.72 0.00	36.42 -4.74 0.02	32.64 -8.85 30.34	29.39 -5.91 10.64	35.27 -6.19 5.22	39.27 -5.73 1.92	39.07 -5.38 1.65
LOCKPORT___CC1 323769	40.11 -4.48 0.00	39.21 -3.64 0.00	38.50 -3.83 0.00	37.37 -3.77 0.00	39.80 -3.96 0.00	39.32 -3.64 0.00	50.14 -5.06 0.00	51.62 -5.63 0.00	38.23 -3.85 0.00	28.32 -3.24 0.05	30.41 -3.74 0.00	28.05 -3.70 0.00	27.69 -3.29 0.00	22.68 -2.90 0.00	21.96 -3.14 0.00	28.78 -4.20 0.01	44.04 -6.07 0.01	37.36 -4.75 0.00	36.38 -4.78 0.02	33.01 -8.87 29.95	29.58 -5.85 10.51	35.35 -6.13 5.20	39.31 -5.69 1.92	39.07 -5.39 1.65
LOCKPORT___CC2 323770	40.11 -4.48 0.00	39.21 -3.64 0.00	38.50 -3.83 0.00	37.37 -3.77 0.00	39.80 -3.96 0.00	39.32 -3.64 0.00	50.14 -5.06 0.00	51.62 -5.63 0.00	38.23 -3.85 0.00	28.32 -3.24 0.05	30.41 -3.74 0.00	28.05 -3.70 0.00	27.69 -3.29 0.00	22.68 -2.90 0.00	21.96 -3.14 0.00	28.78 -4.20 0.01	44.04 -6.07 0.01	37.36 -4.75 0.00	36.38 -4.78 0.02	33.01 -8.87 29.95	29.58 -5.85 10.51	35.35 -6.13 5.20	39.31 -5.69 1.92	39.07 -5.39 1.65
LOCKPORT___CC3 323771	40.11 -4.48 0.00	39.21 -3.64 0.00	38.50 -3.83 0.00	37.37 -3.77 0.00	39.80 -3.96 0.00	39.32 -3.64 0.00	50.14 -5.06 0.00	51.62 -5.63 0.00	38.23 -3.85 0.00	28.32 -3.24 0.05	30.41 -3.74 0.00	28.05 -3.70 0.00	27.69 -3.29 0.00	22.68 -2.90 0.00	21.96 -3.14 0.00	28.78 -4.20 0.01	44.04 -6.07 0.01	37.36 -4.75 0.00	36.38 -4.78 0.02	33.01 -8.87 29.95	29.58 -5.85 10.51	35.35 -6.13 5.20	39.31 -5.69 1.92	39.07 -5.39 1.65
LONG_LAKE_PHOENIX 24014	42.72 -1.87 0.00	41.07 -1.78 0.00	40.51 -1.82 0.00	39.38 -1.76 0.00	41.96 -1.80 0.00	41.37 -1.59 0.00	53.44 -1.76 0.00	55.59 -1.66 0.00	41.00 -1.08 0.00	30.33 -1.29 -0.01	32.68 -1.48 0.00	30.36 -1.40 0.00	29.64 -1.34 0.00	24.45 -1.12 0.00	24.00 -1.11 0.00	31.55 -1.44 0.00	48.18 -1.94 0.00	40.73 -1.37 0.00	39.89 -1.30 0.00	79.73 -2.42 -10.31	47.70 -1.67 -3.43	45.77 -1.87 -0.97	45.21 -1.96 -0.25	44.37 -1.95 -0.22
LOVETT___3 23632	46.22 1.63 0.00	44.26 1.41 0.00	43.65 1.33 0.00	42.48 1.34 0.00	45.23 1.47 0.00	44.54 1.57 0.00	57.88 2.69 0.00	60.45 3.20 0.00	44.31 2.22 0.00	33.04 1.43 0.00	35.81 1.66 0.00	33.37 1.62 0.00	32.46 1.49 0.00	26.79 1.21 0.00	26.33 1.23 0.00	34.60 1.61 0.00	52.56 2.44 0.00	44.52 2.42 0.00	43.77 2.59 0.00	75.85 4.02 0.00	48.46 2.52 0.00	48.76 2.08 0.00	48.93 2.02 0.00	48.01 1.91 0.00
LOVETT___4 23642	46.22 1.63 0.00	44.26 1.41 0.00	43.65 1.33 0.00	42.48 1.34 0.00	45.23 1.47 0.00	44.54 1.57 0.00	57.88 2.69 0.00	60.45 3.20 0.00	44.31 2.22 0.00	33.04 1.43 0.00	35.81 1.66 0.00	33.37 1.62 0.00	32.46 1.49 0.00	26.79 1.21 0.00	26.33 1.23 0.00	34.60 1.61 0.00	52.56 2.44 0.00	44.52 2.42 0.00	43.77 2.59 0.00	75.85 4.02 0.00	48.46 2.52 0.00	48.76 2.08 0.00	48.93 2.02 0.00	48.01 1.91 0.00
LOVETT___5 23593	46.22 1.63 0.00	44.26 1.41 0.00	43.65 1.33 0.00	42.48 1.34 0.00	45.23 1.47 0.00	44.54 1.57 0.00	57.88 2.69 0.00	60.45 3.20 0.00	44.31 2.22 0.00	33.04 1.43 0.00	35.81 1.66 0.00	33.37 1.62 0.00	32.46 1.49 0.00	26.79 1.21 0.00	26.33 1.23 0.00	34.60 1.61 0.00	52.56 2.44 0.00	44.52 2.42 0.00	43.77 2.59 0.00	75.85 4.02 0.00	48.46 2.52 0.00	48.76 2.08 0.00	48.93 2.02 0.00	48.01 1.91 0.00
LOWER RAQUET___HYD 24057	45.02 0.43 0.00	43.48 0.63 0.00	43.06 0.73 0.00	41.73 0.60 0.00	44.32 0.56 0.00	43.29 0.33 0.00	54.78 -0.42 0.00	56.56 -0.69 0.00	41.70 -0.38 0.00	31.53 -0.08 0.00	33.92 -0.23 0.00	31.44 -0.31 0.00	30.75 -0.22 0.00	25.40 -0.18 0.00	24.86 -0.24 0.00	32.69 -0.31 0.00	49.76 -0.36 0.00	41.78 -0.33 0.00	40.76 -0.42 0.00	71.69 -0.14 0.00	45.97 0.03 0.00	47.13 0.45 0.00	47.44 0.52 0.00	46.97 0.86 0.00
LOWER___HUDSON 24059	46.00 1.41 0.00	44.06 1.20 0.00	43.59 1.26 0.00	42.44 1.30 0.00	45.13 1.37 0.00	44.34 1.37 0.00	57.44 2.24 0.00	59.60 2.35 0.00	43.57 1.49 0.00	32.56 0.94 0.00	35.18 1.03 0.00	32.71 0.96 0.00	31.85 0.88 0.00	26.36 0.78 0.00	25.97 0.86 0.00	34.19 1.20 0.00	51.88 1.76 0.00	43.65 1.54 0.00	42.79 1.60 0.00	74.43 2.60 0.00	47.58 1.65 0.00	48.01 1.33 0.00	48.09 1.18 0.00	47.33 1.23 0.00
LOWVILLE_115KV_TB2 356335	45.28 0.69 0.00	43.44 0.59 0.00	42.72 0.39 0.00	41.47 0.34 0.00	44.14 0.38 0.00	43.47 0.50 0.00	56.40 1.20 0.00	58.74 1.49 0.00	42.91 0.84 0.00	31.79 0.18 0.01	34.08 -0.07 0.00	31.59 -0.16 0.00	30.80 -0.17 0.00	25.39 -0.18 0.00	24.90 -0.21 0.00	32.88 -0.11 0.00	50.68 0.57 0.00	43.10 1.00 0.00	42.26 1.08 0.00	73.38 1.92 0.37	46.91 1.23 0.25	47.38 1.17 0.47	47.75 1.06 0.22	46.90 0.99 0.19
LUTHERFT_115KV_GLOB_FND_222 355753	46.19 1.60 0.00	44.24 1.39 0.00	43.77 1.44 0.00	42.58 1.45 0.00	45.33 1.57 0.00	44.59 1.63 0.00	57.87 2.67 0.00	60.09 2.84 0.00	43.83 1.75 0.00	32.72 1.11 0.00	35.31 1.15 0.00	32.82 1.07 0.00	31.98 1.01 0.00	26.41 0.84 0.00	26.01 0.90 0.00	34.31 1.32 0.00	52.32 2.21 0.00	44.07 1.97 0.00	43.25 2.06 0.00	75.24 3.41 0.00	48.00 2.06 0.00	48.40 1.72 0.00	48.43 1.51 0.00	47.61 1.50 0.00
LUTHERNY_35_KV_BK2 355980	46.20 1.61 0.00	44.23 1.38 0.00	43.76 1.43 0.00	42.58 1.45 0.00	45.33 1.57 0.00	44.60 1.64 0.00	57.90 2.70 0.00	60.14 2.89 0.00	43.84 1.76 0.00	32.69 1.08 0.00	35.30 1.15 0.00	32.82 1.07 0.00	31.98 1.01 0.00	26.42 0.84 0.00	26.01 0.90 0.00	34.31 1.32 0.00	52.33 2.21 0.00	44.11 2.01 0.00	43.30 2.11 0.00	75.32 3.48 0.00	48.02 2.09 0.00	48.38 1.70 0.00	48.43 1.51 0.00	47.60 1.50 0.00
LWR___OSWEGATCHIE_HYD 23850	44.81 0.22 0.00	43.15 0.30 0.00	42.57 0.24 0.00	41.27 0.14 0.00	43.89 0.13 0.00	43.06 0.09 0.00	55.17 -0.03 0.00	57.23 -0.02 0.00	41.98 -0.10 0.00	31.39 -0.22 0.00	33.69 -0.46 0.00	31.23 -0.52 0.00	30.50 -0.47 0.00	25.17 -0.41 0.00	24.65 -0.45 0.00	32.48 -0.51 0.00	49.80 -0.32 0.00	42.14 0.03 0.00	41.22 0.03 0.00	72.20 0.36 0.00	46.23 0.29 0.00	47.15 0.47 0.00	47.36 0.44 0.00	46.70 0.59 0.00

LYONS_FALL_HYD 23570	45.43 0.83 0.00	43.59 0.74 0.00	42.91 0.58 0.00	41.68 0.55 0.00	44.37 0.61 0.00	43.71 0.74 0.00	56.66 1.46 0.00	58.95 1.70 0.00	43.09 1.01 0.00	32.01 0.40 0.01	34.39 0.24 0.00	31.90 0.15 0.00	31.08 0.11 0.00	25.65 0.07 0.00	25.16 0.06 0.00	33.20 0.21 0.00	51.03 0.91 0.00	43.25 1.15 0.00	42.40 1.22 0.00	73.48 2.09 0.44	46.94 1.30 0.30	47.33 1.21 0.56	47.76 1.10 0.27	46.89 1.02 0.23
MADISON___COUNTY_LFGE 323628	45.44 0.85 0.00	43.65 0.79 0.00	43.05 0.72 0.00	41.84 0.70 0.00	44.59 0.83 0.00	43.96 0.99 0.00	56.99 1.79 0.00	59.26 2.01 0.00	43.29 1.21 0.00	32.13 0.54 0.02	34.59 0.43 0.00	32.10 0.34 0.00	31.28 0.30 0.00	25.80 0.23 0.00	25.32 0.22 0.00	33.39 0.41 0.00	51.24 1.13 0.00	43.43 1.33 0.00	42.56 1.38 0.01	73.11 2.25 0.97	46.58 1.31 0.67	46.55 1.11 1.24	47.33 1.00 0.59	46.48 0.88 0.51
MALONE___115KV_TB1 356076	46.63 2.04 0.00	44.91 2.06 0.00	44.75 2.42 0.00	43.19 2.06 0.00	45.81 2.05 0.00	44.88 1.92 0.00	56.97 1.77 0.00	58.68 1.43 0.00	43.31 1.23 0.00	32.87 1.25 0.00	35.28 1.12 0.00	32.71 0.95 0.00	32.01 1.03 0.00	26.44 0.86 0.00	25.80 0.70 0.00	34.03 1.04 0.00	51.97 1.85 0.00	43.63 1.52 0.00	42.60 1.41 0.00	74.78 2.94 0.00	47.87 1.94 0.00	49.05 2.37 0.00	49.32 2.40 0.00	48.73 2.63 0.00
MAPLEWOD_115KV_TB3 80458	45.91 1.32 0.00	43.98 1.13 0.00	43.49 1.16 0.00	42.33 1.20 0.00	45.02 1.26 0.00	44.25 1.28 0.00	57.30 2.10 0.00	59.51 2.26 0.00	43.53 1.45 0.00	32.48 0.87 0.00	35.11 0.95 0.00	32.67 0.92 0.00	31.81 0.83 0.00	26.33 0.75 0.00	25.94 0.83 0.00	34.13 1.14 0.00	51.78 1.66 0.00	43.54 1.43 0.00	42.58 1.39 0.00	74.04 2.21 0.00	47.32 1.39 0.00	47.78 1.10 0.00	47.87 0.95 0.00	47.10 0.99 0.00
MAPLE_RIDGE_WT_1 323574	44.79 0.20 0.00	43.06 0.21 0.00	42.50 0.17 0.00	41.21 0.08 0.00	43.80 0.04 0.00	42.92 -0.04 0.00	54.94 -0.26 0.00	56.96 -0.29 0.00	42.03 -0.05 0.00	31.72 0.10 0.00	34.25 0.10 0.00	31.84 0.09 0.00	31.10 0.12 0.00	25.68 0.11 0.00	25.17 0.07 0.00	33.08 0.09 0.00	50.19 0.07 0.00	42.09 -0.01 0.00	41.11 -0.08 0.00	71.89 0.06 0.00	46.03 0.09 0.00	46.94 0.27 0.00	47.21 0.30 0.00	46.42 0.31 0.00
MAPLE_RIDGE_WT_2 323611	44.79 0.20 0.00	43.06 0.21 0.00	42.50 0.17 0.00	41.21 0.08 0.00	43.80 0.04 0.00	42.92 -0.04 0.00	54.94 -0.26 0.00	56.96 -0.29 0.00	42.03 -0.05 0.00	31.72 0.10 0.00	34.25 0.10 0.00	31.84 0.09 0.00	31.10 0.12 0.00	25.68 0.11 0.00	25.17 0.07 0.00	33.08 0.09 0.00	50.19 0.07 0.00	42.09 -0.01 0.00	41.11 -0.08 0.00	71.89 0.06 0.00	46.03 0.09 0.00	46.94 0.27 0.00	47.21 0.30 0.00	46.42 0.31 0.00
MARBLE_RIVER_WT_PWR 323696	46.21 1.62 0.00	44.41 1.56 0.00	44.41 2.08 0.00	42.79 1.66 0.00	45.32 1.56 0.00	44.42 1.46 0.00	56.40 1.20 0.00	58.00 0.75 0.00	42.75 0.67 0.00	32.57 0.95 0.00	34.99 0.83 0.00	32.48 0.73 0.00	31.79 0.81 0.00	26.29 0.72 0.00	25.64 0.54 0.00	33.85 0.86 0.00	51.68 1.56 0.00	43.32 1.21 0.00	42.29 1.10 0.00	74.02 2.19 0.00	47.38 1.44 0.00	48.54 1.86 0.00	48.84 1.92 0.00	48.36 2.25 0.00
MARSHVLE_115KV_TB1 80742	46.90 2.32 0.00	45.20 2.35 0.00	44.55 2.23 0.00	43.27 2.13 0.00	46.10 2.34 0.00	45.45 2.48 0.00	58.46 3.26 0.00	60.51 3.27 0.00	44.45 2.37 0.00	33.05 1.44 0.00	35.53 1.38 0.00	33.08 1.32 0.00	32.34 1.37 0.00	26.62 1.05 0.00	26.01 0.91 0.00	33.98 0.99 0.00	52.34 2.22 0.00	44.53 2.43 0.00	43.56 2.38 0.00	75.69 4.18 0.32	48.29 2.56 0.21	49.21 2.92 0.38	49.73 2.99 0.18	48.79 2.84 0.16
MARSH_HILL_WT_PWR 323713	43.43 -1.16 0.00	41.60 -1.25 0.00	41.42 -0.91 0.00	40.01 -1.13 0.00	43.23 -0.53 0.00	42.56 -0.40 0.00	55.52 0.32 0.00	58.33 1.09 0.00	42.31 0.23 0.00	31.36 -0.21 0.04	33.79 -0.36 0.00	31.40 -0.36 0.00	30.60 -0.37 0.00	25.02 -0.55 0.00	24.52 -0.59 0.00	32.58 -0.41 0.01	50.33 0.22 0.01	43.00 0.90 0.00	42.30 1.13 0.01	123.73 1.90 -49.99	62.02 0.86 -15.22	46.68 0.35 0.35	45.97 0.31 1.26	45.13 0.11 1.08
MCINTYRE_115KV_TB2 80467	46.08 1.49 0.00	44.60 1.75 0.00	44.14 1.82 0.00	42.84 1.70 0.00	45.56 1.80 0.00	44.65 1.69 0.00	56.64 1.44 0.00	58.27 1.02 0.00	42.78 0.70 0.00	32.29 0.67 0.00	34.72 0.57 0.00	32.44 0.69 0.00	31.83 0.85 0.00	26.30 0.73 0.00	25.53 0.42 0.00	33.52 0.53 0.00	51.11 0.99 0.00	43.06 0.96 0.00	42.09 0.90 0.00	74.17 2.33 0.00	47.49 1.56 0.00	48.68 2.01 0.00	48.95 2.03 0.00	48.22 2.12 0.00
MECO____69_KV_BK1 80468	48.82 4.23 0.00	46.93 4.08 0.00	46.29 3.96 0.00	45.00 3.86 0.00	48.00 4.24 0.00	47.46 4.50 0.00	61.59 6.39 0.00	64.01 6.76 0.00	46.33 4.26 0.00	33.44 1.83 0.00	35.42 1.27 0.00	32.84 1.09 0.00	32.05 1.08 0.00	26.42 0.85 0.00	25.89 0.79 0.00	34.15 1.16 0.00	54.04 3.93 0.00	46.96 4.85 0.00	46.10 4.91 0.00	80.32 8.49 0.00	51.11 5.17 0.00	51.83 5.16 0.00	51.83 4.91 0.00	50.76 4.66 0.00
MENANDS___115KV_TB5 355628	45.73 1.14 0.00	43.81 0.96 0.00	43.32 1.00 0.00	42.17 1.04 0.00	44.85 1.09 0.00	44.06 1.09 0.00	57.05 1.85 0.00	59.22 1.97 0.00	43.34 1.26 0.00	32.35 0.74 0.00	35.00 0.84 0.00	32.58 0.83 0.00	31.72 0.74 0.00	26.26 0.69 0.00	25.88 0.77 0.00	34.03 1.04 0.00	51.57 1.45 0.00	43.30 1.19 0.00	42.30 1.12 0.00	73.59 1.76 0.00	47.04 1.11 0.00	47.49 0.82 0.00	47.59 0.67 0.00	46.84 0.73 0.00
MG INDUSTRY___DRP 24185	45.84 1.25 0.00	43.97 1.12 0.00	43.50 1.17 0.00	42.32 1.19 0.00	45.02 1.26 0.00	44.22 1.26 0.00	57.15 1.96 0.00	59.28 2.03 0.00	43.26 1.18 0.00	32.20 0.59 0.00	34.80 0.65 0.00	32.40 0.64 0.00	31.56 0.58 0.00	26.11 0.53 0.00	25.70 0.59 0.00	33.89 0.90 0.00	51.59 1.47 0.00	43.40 1.30 0.00	42.43 1.24 0.00	73.84 2.01 0.00	47.16 1.23 0.00	47.67 0.99 0.00	47.81 0.89 0.00	47.06 0.95 0.00
MID___OSWEGATCHIE_HYD 23849	44.81 0.22 0.00	43.15 0.30 0.00	42.57 0.24 0.00	41.27 0.14 0.00	43.89 0.13 0.00	43.06 0.09 0.00	55.17 -0.03 0.00	57.23 -0.02 0.00	41.98 -0.10 0.00	31.39 -0.22 0.00	33.69 -0.46 0.00	31.23 -0.52 0.00	30.50 -0.47 0.00	25.17 -0.41 0.00	24.65 -0.45 0.00	32.48 -0.51 0.00	49.80 -0.32 0.00	42.14 0.03 0.00	41.22 0.03 0.00	72.20 0.36 0.00	46.23 0.29 0.00	47.15 0.47 0.00	47.36 0.44 0.00	46.70 0.59 0.00
MID___RAQUETTE_HYD 23851	45.02 0.43 0.00	43.48 0.63 0.00	43.06 0.73 0.00	41.73 0.60 0.00	44.32 0.56 0.00	43.29 0.33 0.00	54.78 -0.42 0.00	56.55 -0.69 0.00	41.70 -0.38 0.00	31.53 -0.08 0.00	33.92 -0.23 0.00	31.44 -0.31 0.00	30.75 -0.22 0.00	25.40 -0.18 0.00	24.86 -0.24 0.00	32.68 -0.31 0.00	49.76 -0.36 0.00	41.78 -0.33 0.00	40.76 -0.43 0.00	71.69 -0.14 0.00	45.97 0.03 0.00	47.13 0.45 0.00	47.44 0.52 0.00	46.97 0.86 0.00

MILLIKEN___1 23584	44.56 -0.03 0.00	42.78 -0.07 0.00	42.22 -0.11 0.00	41.00 -0.14 0.00	43.77 0.01 0.00	43.23 0.27 0.00	56.04 0.84 0.00	58.40 1.15 0.00	42.66 0.57 0.00	31.59 0.00 0.02	33.94 -0.21 0.00	31.47 -0.28 0.00	30.69 -0.29 0.00	25.28 -0.29 0.00	24.81 -0.30 0.00	32.73 -0.25 0.00	50.29 0.17 0.00	42.68 0.58 0.00	41.87 0.69 0.01	109.43 1.08 -36.52	57.59 0.48 -11.17	46.91 0.18 -0.05	46.24 0.09 0.77	45.45 0.01 0.66
MILLIKEN___2 23585	44.56 -0.03 0.00	42.78 -0.07 0.00	42.22 -0.11 0.00	41.00 -0.14 0.00	43.77 0.01 0.00	43.23 0.27 0.00	56.04 0.84 0.00	58.40 1.15 0.00	42.66 0.57 0.00	31.59 0.00 0.02	33.94 -0.21 0.00	31.47 -0.28 0.00	30.69 -0.29 0.00	25.28 -0.29 0.00	24.81 -0.30 0.00	32.73 -0.25 0.00	50.29 0.17 0.00	42.68 0.58 0.00	41.87 0.69 0.01	109.43 1.08 -36.52	57.59 0.48 -11.17	46.91 0.18 -0.05	46.24 0.09 0.77	45.45 0.01 0.66
MILLIKEN___DIESEL 23629	44.56 -0.03 0.00	42.78 -0.07 0.00	42.22 -0.11 0.00	41.00 -0.14 0.00	43.77 0.01 0.00	43.23 0.27 0.00	56.04 0.84 0.00	58.40 1.15 0.00	42.66 0.57 0.00	31.59 0.00 0.02	33.94 -0.21 0.00	31.47 -0.28 0.00	30.69 -0.29 0.00	25.28 -0.29 0.00	24.81 -0.30 0.00	32.73 -0.25 0.00	50.29 0.17 0.00	42.68 0.58 0.00	41.87 0.69 0.01	109.43 1.08 -36.52	57.59 0.48 -11.17	46.91 0.18 -0.05	46.24 0.09 0.77	45.45 0.01 0.66
MILLSEAT___LFGE 323607	41.15 -3.44 0.00	40.13 -2.73 0.00	39.40 -2.93 0.00	38.25 -2.88 0.00	40.77 -2.99 0.00	40.36 -2.61 0.00	51.64 -3.57 0.00	53.28 -3.97 0.00	39.34 -2.74 0.00	29.00 -2.56 0.06	31.09 -3.06 0.00	28.67 -3.09 0.00	28.26 -2.72 0.00	23.17 -2.41 0.00	22.44 -2.66 0.00	29.52 -3.46 0.01	45.30 -4.81 0.01	38.54 -3.56 0.00	37.60 -3.56 0.02	32.83 -6.71 32.29	30.14 -4.50 11.30	36.54 -4.81 5.33	40.52 -4.46 1.93	40.16 -4.28 1.66
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	46.42 1.83 0.00	44.43 1.58 0.00	43.85 1.52 0.00	42.67 1.53 0.00	45.42 1.66 0.00	44.74 1.77 0.00	58.08 2.88 0.00	60.64 3.39 0.00	44.48 2.40 0.00	33.24 1.63 0.00	36.03 1.88 0.00	33.59 1.82 -0.02	32.63 1.66 0.00	26.95 1.38 0.00	26.51 1.40 0.00	34.82 1.83 0.00	52.85 2.73 0.00	44.71 2.60 0.00	43.98 2.79 0.00	76.20 4.37 0.00	48.68 2.75 0.00	48.93 2.26 0.00	49.06 2.15 0.00	48.16 2.06 0.00
MILLWOOD_13_KV_LOAD 356217	46.52 1.93 0.00	44.52 1.67 0.00	43.96 1.63 0.00	42.77 1.64 0.00	45.54 1.78 0.00	44.84 1.87 0.00	58.23 3.03 0.00	60.81 3.56 0.00	44.60 2.52 0.00	33.33 1.72 0.00	36.12 1.96 0.00	33.67 1.90 -0.02	32.71 1.74 0.00	27.02 1.44 0.00	26.57 1.47 0.00	34.91 1.92 0.00	53.00 2.88 0.00	44.84 2.73 0.00	44.10 2.92 0.00	76.41 4.58 0.00	48.83 2.89 0.00	49.07 2.40 0.00	49.19 2.27 0.00	48.27 2.17 0.00
MODEL_CITY_ENERGY 24167	39.65 -4.94 0.00	38.75 -4.10 0.00	38.05 -4.28 0.00	36.92 -4.21 0.00	39.30 -4.46 0.00	38.86 -4.10 0.00	49.49 -5.71 0.00	50.92 -6.33 0.00	37.73 -4.35 0.00	27.96 -3.60 0.05	30.01 -4.15 0.00	27.68 -4.08 0.00	27.32 -3.65 0.00	22.38 -3.19 0.00	21.68 -3.42 0.00	28.39 -4.59 0.01	43.43 -6.68 0.01	36.83 -5.28 0.00	35.88 -5.29 0.02	33.20 -9.77 28.87	29.38 -6.41 10.14	34.86 -6.69 5.13	38.77 -6.24 1.91	38.56 -5.90 1.64
MODERN_LFGE___ 323580	39.65 -4.94 0.00	38.75 -4.10 0.00	38.05 -4.28 0.00	36.92 -4.21 0.00	39.30 -4.46 0.00	38.86 -4.10 0.00	49.49 -5.71 0.00	50.92 -6.33 0.00	37.73 -4.35 0.00	27.96 -3.60 0.05	30.01 -4.15 0.00	27.68 -4.08 0.00	27.32 -3.65 0.00	22.38 -3.19 0.00	21.68 -3.42 0.00	28.39 -4.59 0.01	43.43 -6.68 0.01	36.83 -5.28 0.00	35.88 -5.29 0.02	33.20 -9.77 28.87	29.38 -6.41 10.14	34.86 -6.69 5.13	38.77 -6.24 1.91	38.56 -5.90 1.64
MOHAWK_PAPER___DRP 24187	45.91 1.32 0.00	43.98 1.13 0.00	43.49 1.16 0.00	42.33 1.20 0.00	45.02 1.26 0.00	44.25 1.28 0.00	57.30 2.10 0.00	59.51 2.26 0.00	43.53 1.45 0.00	32.48 0.87 0.00	35.11 0.95 0.00	32.67 0.92 0.00	31.81 0.83 0.00	26.33 0.75 0.00	25.94 0.83 0.00	34.13 1.14 0.00	51.78 1.66 0.00	43.54 1.43 0.00	42.58 1.39 0.00	74.04 2.21 0.00	47.32 1.39 0.00	47.78 1.10 0.00	47.87 0.95 0.00	47.10 0.99 0.00
MOHICAN___35_KV_115KV_LD 80490	45.84 1.25 0.00	43.82 0.97 0.00	43.48 1.15 0.00	42.27 1.14 0.00	45.01 1.25 0.00	44.31 1.34 0.00	57.69 2.49 0.00	59.93 2.68 0.00	43.61 1.53 0.00	32.62 1.01 0.00	35.17 1.02 0.00	32.69 0.94 0.00	31.91 0.93 0.00	26.25 0.68 0.00	25.83 0.72 0.00	34.16 1.16 0.00	52.21 2.09 0.00	43.93 1.83 0.00	43.22 2.03 0.00	75.23 3.39 0.00	47.84 1.91 0.00	48.20 1.52 0.00	48.08 1.15 0.00	47.23 1.12 0.00
MONGAUP___HYD 23641	46.15 1.57 0.00	44.19 1.33 0.00	43.59 1.26 0.00	42.40 1.27 0.00	45.16 1.40 0.00	44.45 1.48 0.00	57.42 2.22 0.00	59.92 2.67 0.00	43.76 1.68 0.00	32.49 0.88 0.00	35.30 1.14 0.00	32.75 1.00 0.00	31.83 0.86 0.00	26.26 0.69 0.00	25.84 0.74 0.00	34.03 1.04 0.00	51.79 1.68 0.00	44.05 1.95 0.00	43.53 2.34 0.00	75.32 3.48 0.00	48.03 2.09 0.00	48.35 1.67 0.00	48.51 1.59 0.00	47.93 1.82 0.00
MONTAUK___DIESEL 23721	48.08 3.49 0.00	46.01 3.15 0.00	45.60 3.27 0.00	44.45 3.31 0.00	47.28 3.52 0.00	46.80 3.84 0.00	61.31 6.11 0.00	64.05 6.80 0.00	46.64 4.57 0.00	34.44 2.83 0.00	37.34 3.18 0.00	34.86 3.08 -0.02	33.79 2.81 0.00	27.81 2.23 0.00	29.77 2.33 -2.33	83.15 3.14 -47.02	60.28 5.32 -4.84	47.60 4.91 -0.58	51.99 5.57 -5.24	89.86 9.17 -8.86	84.15 5.83 -32.39	61.67 5.02 -9.97	59.65 4.59 -8.14	52.07 4.53 -1.43
MOONROAD_115KV_HARTFLD_TB1-2 355988	41.94 -2.65 0.00	40.68 -2.17 0.00	39.91 -2.41 0.00	39.08 -2.05 0.00	41.53 -2.23 0.00	40.89 -2.07 0.00	53.05 -2.15 0.00	55.02 -2.23 0.00	40.73 -1.35 0.00	30.22 -1.34 0.05	32.49 -1.66 0.00	30.11 -1.64 0.00	29.69 -1.29 0.00	24.24 -1.33 0.00	23.54 -1.56 0.00	30.86 -2.12 0.01	47.44 -2.67 0.01	40.15 -1.96 0.00	38.96 -2.21 0.02	51.20 -4.46 16.17	36.90 -3.03 6.01	39.11 -3.30 4.27	42.19 -2.97 1.76	41.88 -2.71 1.52
MORTIMER_115KV_TB3 55949	41.89 -2.70 0.00	40.61 -2.24 0.00	39.97 -2.36 0.00	38.82 -2.31 0.00	41.37 -2.39 0.00	40.87 -2.10 0.00	52.49 -2.71 0.00	54.22 -3.03 0.00	39.93 -2.15 0.00	29.61 -1.95 0.06	31.87 -2.28 0.00	29.51 -2.25 0.00	28.97 -2.01 0.00	23.78 -1.79 0.00	23.17 -1.93 0.00	30.37 -2.61 0.01	46.64 -3.47 0.01	39.51 -2.59 0.00	38.59 -2.57 0.02	25.35 -4.86 41.62	28.15 -3.32 14.46	37.20 -3.58 5.89	41.51 -3.42 2.00	41.14 -3.25 1.72
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	46.58 1.99 0.00	44.54 1.68 0.00	44.00 1.67 0.00	42.81 1.68 0.00	45.58 1.82 0.00	44.92 1.96 0.00	58.25 3.05 0.00	60.86 3.61 0.00	44.74 2.66 0.00	33.53 1.91 0.00	36.41 2.23 -0.02	34.90 2.15 -1.00	32.94 1.97 0.00	27.21 1.64 0.00	26.75 1.65 0.00	35.11 2.11 0.00	53.18 3.06 0.00	44.95 2.84 0.00	44.29 3.10 0.00	76.72 4.89 0.00	49.02 3.09 0.00	49.17 2.49 0.00	49.26 2.34 0.00	48.44 2.34 0.00

MUNSVILLE_WIND_PWR 323609	47.53 2.94 0.00	45.69 2.84 0.00	44.95 2.62 0.00	43.75 2.61 0.00	46.72 2.96 0.00	46.45 3.49 0.00	60.72 5.52 0.00	63.34 6.09 0.00	46.11 4.03 0.00	33.94 2.34 0.02	36.34 2.19 0.00	33.63 1.88 0.00	32.79 1.82 0.00	26.94 1.36 0.00	26.39 1.29 0.00	35.00 2.01 0.00	54.39 4.28 0.00	46.28 4.17 0.00	45.30 4.13 0.01	105.17 7.19 -26.14	58.07 4.18 -7.96	50.24 3.71 0.14	49.88 3.60 0.64	48.86 3.30 0.55
N SALMON___HYD 24042	46.63 2.04 0.00	44.91 2.06 0.00	44.75 2.42 0.00	43.19 2.06 0.00	45.81 2.05 0.00	44.88 1.92 0.00	56.97 1.77 0.00	58.68 1.43 0.00	43.31 1.23 0.00	32.87 1.25 0.00	35.28 1.12 0.00	32.71 0.95 0.00	32.01 1.03 0.00	26.44 0.86 0.00	25.80 0.69 0.00	34.03 1.04 0.00	51.97 1.86 0.00	43.63 1.52 0.00	42.60 1.41 0.00	74.78 2.95 0.00	47.87 1.94 0.00	49.05 2.37 0.00	49.32 2.40 0.00	48.73 2.63 0.00
N.AKRON___115KV_KNAPP 355671	41.14 -3.45 0.00	40.13 -2.73 0.00	39.40 -2.93 0.00	38.24 -2.89 0.00	40.76 -3.00 0.00	40.35 -2.61 0.00	51.62 -3.59 0.00	53.24 -4.01 0.00	39.32 -2.76 0.00	29.01 -2.55 0.05	31.06 -3.09 0.00	28.67 -3.09 0.00	28.27 -2.70 0.00	23.21 -2.36 0.00	22.48 -2.63 0.00	29.58 -3.40 0.01	45.25 -4.86 0.01	38.49 -3.61 0.00	37.56 -3.61 0.02	33.13 -6.85 31.85	30.14 -4.64 11.15	36.42 -4.95 5.31	40.40 -4.59 1.93	40.11 -4.34 1.66
N.BELMOR_69_KV_BK1 55787	47.31 2.72 0.00	45.31 2.46 0.00	44.74 2.41 0.00	43.52 2.39 0.00	46.32 2.56 0.00	45.64 2.67 0.00	59.05 3.86 0.00	61.69 4.44 0.00	45.33 3.25 0.00	33.76 2.15 0.00	36.67 2.51 0.00	34.20 2.43 -0.02	33.21 2.24 0.00	27.44 1.87 0.00	29.40 1.96 -2.33	82.61 2.60 -47.02	58.77 3.81 -4.84	46.06 3.37 -0.58	50.05 3.63 -5.23	86.30 5.60 -8.86	82.03 3.71 -32.39	59.97 3.32 -9.97	58.22 3.17 -8.14	50.69 3.16 -1.43
N.E_GEN_SANDY PD 24062	46.11 1.62 0.09	51.01 1.36 -6.80	43.72 1.40 0.00	42.58 1.45 0.00	45.26 1.50 0.00	44.44 1.47 0.00	58.10 2.43 -0.47	58.71 2.64 1.18	44.25 1.76 -0.41	32.83 1.22 0.00	35.52 1.36 0.00	33.06 1.31 0.00	32.15 1.18 0.00	26.61 1.03 0.00	26.23 1.13 0.00	43.48 1.48 -9.01	52.20 2.08 0.00	40.30 1.86 3.66	43.99 2.00 -0.81	75.27 3.19 -0.25	47.96 2.02 0.00	48.20 1.62 0.10	48.39 1.47 0.00	48.09 1.56 -0.43
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	46.30 1.71 0.00	44.33 1.48 0.00	43.72 1.39 0.00	42.54 1.40 0.00	45.29 1.53 0.00	44.61 1.64 0.00	58.00 2.80 0.00	60.56 3.31 0.00	44.38 2.30 0.00	33.09 1.48 0.00	35.87 1.72 0.00	33.42 1.67 0.00	32.51 1.53 0.00	26.82 1.25 0.00	26.38 1.27 0.00	34.66 1.67 0.00	52.65 2.53 0.00	44.61 2.50 0.00	43.86 2.67 0.00	76.00 4.16 0.00	48.55 2.61 0.00	48.85 2.17 0.00	49.02 2.10 0.00	48.09 1.98 0.00
N.QUEENS_27_KV_LOAD 356247	46.50 1.91 0.00	44.54 1.68 0.00	44.08 1.76 0.00	42.84 1.71 0.00	45.64 1.88 0.00	44.91 1.95 0.00	58.23 3.03 0.00	61.01 3.76 0.00	44.89 2.81 0.00	33.66 2.05 0.00	36.49 2.31 -0.02	34.77 2.23 -0.78	33.04 2.06 -0.01	27.30 1.73 0.00	26.83 1.72 0.00	35.17 2.17 0.00	53.29 3.17 0.00	44.95 2.85 0.00	44.24 3.06 0.00	76.68 4.84 0.00	49.06 3.12 0.00	49.16 2.49 0.00	49.27 2.35 0.00	48.43 2.32 0.00
N.TROY___115KV_TB1 355778	46.00 1.41 0.00	44.06 1.20 0.00	43.59 1.26 0.00	42.44 1.30 0.00	45.13 1.37 0.00	44.34 1.37 0.00	57.44 2.24 0.00	59.60 2.35 0.00	43.57 1.49 0.00	32.56 0.95 0.00	35.18 1.03 0.00	32.71 0.96 0.00	31.85 0.88 0.00	26.36 0.78 0.00	25.96 0.86 0.00	34.19 1.20 0.00	51.88 1.77 0.00	43.65 1.54 0.00	42.79 1.60 0.00	74.44 2.61 0.00	47.58 1.65 0.00	48.01 1.34 0.00	48.10 1.18 0.00	47.33 1.23 0.00
NARROWS_GT1_1 24228	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT1_2 24229	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT1_3 24230	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT1_4 24231	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT1_5 24232	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT1_6 24233	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT1_7 24234	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00

NARROWS_GT1_8 24235	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT2_1 24236	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT2_2 24237	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT2_3 24238	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT2_4 24239	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT2_5 24240	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT2_6 24241	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT2_7 24242	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NARROWS_GT2_8 24243	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.78 0.00	33.67 2.06 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.46 3.27 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	47.07 2.48 0.00	45.10 2.24 0.00	44.62 2.29 0.00	43.43 2.29 0.00	46.21 2.45 0.00	45.44 2.48 0.00	58.81 3.61 0.00	61.05 3.80 0.00	44.42 2.34 0.00	32.81 1.20 0.00	35.25 1.10 0.00	32.74 0.99 0.00	31.90 0.93 0.00	26.42 0.85 0.00	26.05 0.95 0.00	34.46 1.47 0.00	52.76 2.64 0.00	44.55 2.45 0.00	43.58 2.39 0.00	75.80 3.97 0.00	48.34 2.41 0.00	48.79 2.11 0.00	48.80 1.88 0.00	47.94 1.84 0.00
NCHELSEA_115KV_TR2 355582	46.74 2.15 0.00	44.74 1.88 0.00	44.15 1.83 0.00	42.97 1.83 0.00	45.72 1.96 0.00	45.02 2.06 0.00	58.51 3.31 0.00	61.04 3.78 0.00	44.69 2.61 0.00	33.36 1.75 0.00	36.10 1.95 0.00	33.61 1.85 0.00	32.66 1.68 0.00	26.97 1.39 0.00	26.55 1.45 0.00	34.93 1.94 0.00	53.12 3.00 0.00	44.94 2.83 0.00	44.19 3.01 0.00	76.64 4.81 0.00	48.94 3.01 0.00	49.22 2.55 0.00	49.32 2.40 0.00	48.44 2.33 0.00
NEG CAPITAL___MECHNVIL 23645	46.27 1.68 0.00	44.29 1.43 0.00	43.82 1.49 0.00	42.65 1.51 0.00	45.39 1.63 0.00	44.66 1.69 0.00	57.98 2.78 0.00	60.19 2.94 0.00	43.92 1.84 0.00	32.80 1.19 0.00	35.40 1.25 0.00	32.86 1.11 0.00	32.03 1.05 0.00	26.50 0.92 0.00	26.08 0.98 0.00	34.37 1.37 0.00	52.46 2.34 0.00	44.16 2.06 0.00	43.32 2.13 0.00	75.34 3.51 0.00	48.07 2.14 0.00	48.46 1.78 0.00	48.49 1.57 0.00	47.65 1.55 0.00
NEG CENTRAL_HIGH_ACRES 23767	41.47 -3.12 0.00	40.14 -2.72 0.00	39.51 -2.81 0.00	38.40 -2.74 0.00	40.93 -2.83 0.00	40.44 -2.52 0.00	52.12 -3.08 0.00	54.01 -3.24 0.00	39.67 -2.41 0.00	29.42 -2.14 0.05	31.71 -2.44 0.00	29.36 -2.39 0.00	28.79 -2.18 0.00	23.64 -1.94 0.00	23.09 -2.01 0.00	30.32 -2.66 0.01	46.56 -3.55 0.01	39.43 -2.68 0.00	38.52 -2.64 0.02	12.22 -4.87 54.75	24.10 -3.29 18.54	36.98 -3.59 6.11	41.57 -3.53 1.82	41.12 -3.42 1.56
NEG CENTRAL___DRP 24199	43.38 -1.21 0.00	41.72 -1.13 0.00	41.19 -1.14 0.00	39.99 -1.14 0.00	42.74 -1.02 0.00	42.23 -0.74 0.00	54.72 -0.48 0.00	57.06 -0.20 0.00	41.70 -0.38 0.00	30.91 -0.67 0.03	33.26 -0.89 0.00	30.82 -0.94 0.00	30.08 -0.90 0.00	24.73 -0.84 0.00	24.24 -0.86 0.00	31.95 -1.04 0.00	49.01 -1.10 0.00	41.68 -0.42 0.00	40.85 -0.33 0.01	280.52 -0.73 -209.42	111.26 -0.70 -66.03	52.76 -1.04 -7.12	44.75 -1.13 1.04	44.07 -1.14 0.90
NEG CENTRAL___INDECK 23768	42.70 -1.89 0.00	41.10 -1.76 0.00	40.56 -1.77 0.00	39.37 -1.77 0.00	42.21 -1.55 0.00	41.79 -1.17 0.00	54.28 -0.92 0.00	56.67 -0.58 0.00	41.23 -0.85 0.00	30.16 -1.41 0.04	32.42 -1.73 0.00	29.87 -1.88 0.00	29.22 -1.76 0.00	23.92 -1.65 0.00	23.34 -1.77 0.00	30.79 -2.19 0.01	47.71 -2.40 0.01	41.36 -0.75 0.00	40.65 -0.52 0.02	90.57 -1.42 -20.16	50.45 -1.02 -5.53	43.01 -1.49 2.17	43.85 -1.56 1.51	43.14 -1.67 1.30

NEG CENTRAL___SENECA 23627	43.40 -1.19 0.00	41.76 -1.09 0.00	41.22 -1.11 0.00	40.01 -1.13 0.00	42.82 -0.94 0.00	42.35 -0.62 0.00	54.93 -0.27 0.00	57.39 0.14 0.00	41.89 -0.19 0.00	30.98 -0.60 0.04	33.32 -0.83 0.00	30.85 -0.90 0.00	30.11 -0.86 0.00	24.72 -0.85 0.00	24.23 -0.88 0.00	31.96 -1.03 0.01	49.07 -1.05 0.01	41.85 -0.25 0.00	41.01 -0.16 0.02	407.44 -0.44 -336.05	151.51 -0.57 -106.14	57.77 -0.96 -12.05	44.50 -1.05 1.36	43.87 -1.06 1.17
NEG CENTRAL___STATE_STREET 24147	43.66 -0.93 0.00	41.96 -0.89 0.00	41.42 -0.91 0.00	40.22 -0.92 0.00	42.91 -0.85 0.00	42.35 -0.61 0.00	54.80 -0.39 0.00	57.01 -0.24 0.00	41.72 -0.37 0.00	30.99 -0.60 0.02	33.39 -0.77 0.00	30.97 -0.78 0.00	30.22 -0.76 0.00	24.89 -0.68 0.00	24.42 -0.69 0.00	32.15 -0.83 0.00	49.28 -0.84 0.00	41.72 -0.38 0.00	40.87 -0.31 0.01	132.59 -0.69 -61.44	64.41 -0.61 -19.08	46.91 -0.88 -1.11	45.18 -0.95 0.79	44.45 -0.98 0.68
NEG MILLWOOD___DRP 24198	46.91 2.32 0.00	44.88 2.03 0.00	44.31 1.99 0.00	43.13 2.00 0.00	45.92 2.15 0.00	45.22 2.26 0.00	58.76 3.56 0.00	61.32 4.08 0.00	44.91 2.84 0.00	33.54 1.93 0.00	36.30 2.14 0.00	33.79 2.03 0.00	32.82 1.85 0.00	27.10 1.53 0.00	26.69 1.58 0.00	35.09 2.10 0.00	53.33 3.22 0.00	45.14 3.03 0.00	44.40 3.22 0.00	77.01 5.17 0.00	49.16 3.22 0.00	49.42 2.74 0.00	49.50 2.58 0.00	48.60 2.50 0.00
NEG NORTH_FLCN_SEA 23793	46.88 2.29 0.00	45.06 2.21 0.00	45.15 2.82 0.00	43.41 2.28 0.00	45.89 2.13 0.00	44.88 1.92 0.00	56.94 1.74 0.00	58.46 1.21 0.00	42.98 0.90 0.00	32.77 1.15 0.00	35.13 0.98 0.00	32.59 0.84 0.00	31.90 0.92 0.00	26.40 0.83 0.00	25.71 0.61 0.00	34.03 1.04 0.00	52.11 1.99 0.00	43.70 1.60 0.00	42.69 1.50 0.00	74.61 2.78 0.00	47.71 1.78 0.00	48.88 2.20 0.00	49.19 2.27 0.00	48.95 2.84 0.00
NEG NORTH_KES_CHATEGAY 23792	46.37 1.78 0.00	44.61 1.75 0.00	44.56 2.23 0.00	42.94 1.81 0.00	45.51 1.75 0.00	44.60 1.63 0.00	56.59 1.39 0.00	58.20 0.95 0.00	42.94 0.86 0.00	32.67 1.06 0.00	35.09 0.93 0.00	32.57 0.82 0.00	31.88 0.91 0.00	26.36 0.78 0.00	25.70 0.60 0.00	33.92 0.92 0.00	51.77 1.66 0.00	43.41 1.31 0.00	42.37 1.19 0.00	74.25 2.41 0.00	47.57 1.63 0.00	48.75 2.08 0.00	49.04 2.12 0.00	48.50 2.40 0.00
NEG NORTH___ALICE_FALLS 23915	47.00 2.41 0.00	45.20 2.35 0.00	45.24 2.91 0.00	43.54 2.41 0.00	46.08 2.32 0.00	45.14 2.17 0.00	57.36 2.16 0.00	59.00 1.75 0.00	43.51 1.43 0.00	33.00 1.39 0.00	35.37 1.21 0.00	32.78 1.03 0.00	32.09 1.11 0.00	26.55 0.98 0.00	25.86 0.76 0.00	34.22 1.23 0.00	52.38 2.26 0.00	44.00 1.90 0.00	43.00 1.81 0.00	75.23 3.40 0.00	48.11 2.17 0.00	49.25 2.58 0.00	49.53 2.61 0.00	49.14 3.03 0.00
NEG NORTH___LWR_SARANAC 23913	47.00 2.41 0.00	45.20 2.35 0.00	45.24 2.91 0.00	43.54 2.41 0.00	46.08 2.32 0.00	45.14 2.17 0.00	57.36 2.16 0.00	59.00 1.75 0.00	43.51 1.43 0.00	33.00 1.39 0.00	35.37 1.21 0.00	32.78 1.03 0.00	32.09 1.11 0.00	26.55 0.98 0.00	25.86 0.76 0.00	34.22 1.23 0.00	52.38 2.26 0.00	44.00 1.90 0.00	43.00 1.81 0.00	75.23 3.40 0.00	48.11 2.17 0.00	49.25 2.58 0.00	49.53 2.61 0.00	49.14 3.03 0.00
NEG NORTH___PLATTSBURG 23628	47.00 2.41 0.00	45.20 2.35 0.00	45.24 2.91 0.00	43.54 2.41 0.00	46.08 2.32 0.00	45.14 2.17 0.00	57.36 2.16 0.00	59.00 1.75 0.00	43.51 1.42 0.00	33.00 1.39 0.00	35.37 1.21 0.00	32.78 1.03 0.00	32.08 1.11 0.00	26.55 0.98 0.00	25.86 0.76 0.00	34.23 1.24 0.00	52.38 2.26 0.00	44.00 1.90 0.00	43.00 1.81 0.00	75.23 3.40 0.00	48.11 2.18 0.00	49.25 2.58 0.00	49.53 2.61 0.00	49.14 3.04 0.00
NEG WEST_LEA_LOCKPORT 23791	40.12 -4.47 0.00	39.22 -3.63 0.00	38.52 -3.81 0.00	37.38 -3.76 0.00	39.80 -3.96 0.00	39.34 -3.62 0.00	50.14 -5.06 0.00	51.62 -5.63 0.00	38.24 -3.84 0.00	28.33 -3.23 0.05	30.38 -3.78 0.00	28.04 -3.71 0.00	27.69 -3.29 0.00	22.68 -2.89 0.00	21.99 -3.11 0.00	28.74 -4.24 0.01	44.03 -6.08 0.01	37.34 -4.76 0.00	36.38 -4.79 0.02	32.96 -8.93 29.95	29.47 -5.95 10.51	35.25 -6.23 5.20	39.22 -5.78 1.92	39.04 -5.41 1.65
NEG WEST___LANCASTER 23811	41.50 -3.09 0.00	40.34 -2.52 0.00	39.67 -2.66 0.00	38.47 -2.67 0.00	41.01 -2.75 0.00	40.45 -2.51 0.00	51.78 -3.42 0.00	53.58 -3.67 0.00	39.52 -2.56 0.00	29.28 -2.28 0.05	31.55 -2.61 0.00	29.20 -2.55 0.00	28.80 -2.17 0.00	23.58 -2.00 0.00	22.93 -2.17 0.00	30.03 -2.95 0.01	46.04 -4.06 0.01	38.90 -3.21 0.00	37.91 -3.26 0.02	46.84 -6.31 18.68	34.81 -4.31 6.81	37.65 -4.61 4.42	40.84 -4.30 1.78	40.59 -3.98 1.53
NEG_PENN_ALLEGHNY 23528	44.19 -0.40 0.00	42.39 -0.46 0.00	41.83 -0.50 0.00	40.59 -0.55 0.00	43.35 -0.41 0.00	42.74 -0.22 0.00	55.33 0.13 0.00	57.67 0.42 0.00	42.18 0.11 0.00	31.39 -0.20 0.02	33.87 -0.28 0.00	31.46 -0.29 0.00	30.68 -0.29 0.00	25.25 -0.32 0.00	24.78 -0.33 0.00	32.67 -0.32 0.00	49.96 -0.16 0.00	42.20 0.10 0.00	41.37 0.19 0.01	94.43 0.20 -22.40	52.65 -0.04 -6.75	45.94 -0.35 0.38	45.84 -0.41 0.67	45.09 -0.43 0.58
NEG___GEN_MONROE 24207	42.05 -2.54 0.00	40.82 -2.04 0.00	40.15 -2.18 0.00	38.99 -2.15 0.00	41.56 -2.20 0.00	41.08 -1.89 0.00	52.77 -2.43 0.00	54.50 -2.75 0.00	40.12 -1.96 0.00	29.69 -1.87 0.06	31.91 -2.24 0.00	29.52 -2.23 0.00	29.00 -1.97 0.00	23.80 -1.77 0.00	23.17 -1.93 0.00	30.38 -2.60 0.01	46.70 -3.41 0.01	39.66 -2.45 0.00	38.73 -2.44 0.02	26.07 -4.66 41.10	28.44 -3.21 14.29	37.33 -3.49 5.86	41.63 -3.29 1.99	41.25 -3.14 1.71
NEPA___ENERGY 23901	41.42 -3.17 0.00	39.99 -2.87 0.00	39.33 -3.00 0.00	38.10 -3.04 0.00	40.77 -2.99 0.00	40.19 -2.77 0.00	51.78 -3.42 0.00	53.92 -3.34 0.00	39.61 -2.47 0.00	29.27 -2.30 0.05	31.55 -2.60 0.00	29.30 -2.46 0.00	28.81 -2.17 0.00	23.51 -2.07 0.00	22.89 -2.22 0.00	30.12 -2.87 0.01	46.26 -3.85 0.01	39.10 -3.00 0.00	38.15 -3.02 0.02	48.13 -5.59 18.13	35.48 -3.83 6.62	38.13 -4.21 4.34	41.18 -3.98 1.76	40.78 -3.81 1.51
NEVERSINK___HYD 23608	46.08 1.49 0.00	44.10 1.24 0.00	43.48 1.16 0.00	42.33 1.19 0.00	45.09 1.32 0.00	44.45 1.49 0.00	57.82 2.62 0.00	60.39 3.15 0.00	44.15 2.07 0.00	32.83 1.21 0.00	35.39 1.24 0.00	32.71 0.96 0.00	31.03 0.05 0.00	25.61 0.04 0.00	25.22 0.11 0.00	33.20 0.21 0.00	50.77 0.65 0.00	43.17 1.06 0.00	42.50 1.31 0.00	73.88 2.05 0.00	48.40 2.47 0.00	48.68 2.01 0.00	48.82 1.91 0.00	47.85 1.75 0.00
NEWKRMKL_115KV_TB1 55635	45.56 0.97 0.00	43.65 0.80 0.00	43.17 0.84 0.00	42.02 0.88 0.00	44.69 0.93 0.00	43.90 0.94 0.00	56.85 1.65 0.00	59.03 1.77 0.00	43.19 1.11 0.00	32.25 0.64 0.00	34.87 0.72 0.00	32.48 0.72 0.00	31.63 0.65 0.00	26.19 0.62 0.00	25.80 0.69 0.00	33.92 0.92 0.00	51.43 1.31 0.00	43.16 1.06 0.00	42.10 0.91 0.00	73.24 1.40 0.00	46.79 0.86 0.00	47.24 0.56 0.00	47.33 0.41 0.00	46.58 0.47 0.00

NEWTON___FALLS_HYD 23847	44.81 0.22 0.00	43.15 0.30 0.00	42.57 0.24 0.00	41.27 0.14 0.00	43.89 0.13 0.00	43.06 0.09 0.00	55.17 -0.03 0.00	57.23 -0.02 0.00	41.98 -0.10 0.00	31.39 -0.22 0.00	33.69 -0.46 0.00	31.23 -0.52 0.00	30.50 -0.47 0.00	25.17 -0.41 0.00	24.65 -0.45 0.00	32.48 -0.51 0.00	49.80 -0.32 0.00	42.14 0.03 0.00	41.22 0.03 0.00	72.20 0.36 0.00	46.23 0.29 0.00	47.15 0.47 0.00	47.36 0.44 0.00	46.70 0.59 0.00
NGRID_A1_DSASP 323792	39.35 -5.24 0.00	38.57 -4.28 0.00	37.89 -4.44 0.00	36.77 -4.36 0.00	39.14 -4.62 0.00	38.64 -4.33 0.00	49.03 -6.17 0.00	50.22 -7.03 0.00	37.25 -4.83 0.00	27.66 -3.90 0.05	29.72 -4.44 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.49 -3.62 0.00	28.07 -4.91 0.01	42.89 -7.22 0.01	36.32 -5.79 0.00	35.35 -5.81 0.02	32.99 -10.65 28.19	29.08 -6.97 9.89	34.35 -7.22 5.11	38.33 -6.67 1.92	38.14 -6.32 1.65
NGRID_A2_DSASP 323793	39.35 -5.24 0.00	38.57 -4.28 0.00	37.89 -4.44 0.00	36.77 -4.36 0.00	39.14 -4.62 0.00	38.64 -4.33 0.00	49.03 -6.17 0.00	50.22 -7.03 0.00	37.25 -4.83 0.00	27.66 -3.90 0.05	29.72 -4.44 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.49 -3.62 0.00	28.07 -4.91 0.01	42.89 -7.22 0.01	36.32 -5.79 0.00	35.35 -5.81 0.02	32.99 -10.65 28.19	29.08 -6.97 9.89	34.35 -7.22 5.11	38.33 -6.67 1.92	38.14 -6.32 1.65
NGRID_A4_DSASP 323807	39.35 -5.24 0.00	38.57 -4.28 0.00	37.89 -4.44 0.00	36.77 -4.36 0.00	39.14 -4.62 0.00	38.64 -4.33 0.00	49.03 -6.17 0.00	50.22 -7.03 0.00	37.25 -4.83 0.00	27.66 -3.90 0.05	29.72 -4.44 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.49 -3.62 0.00	28.07 -4.91 0.01	42.89 -7.22 0.01	36.32 -5.79 0.00	35.35 -5.81 0.02	32.99 -10.65 28.19	29.08 -6.97 9.89	34.35 -7.22 5.11	38.33 -6.67 1.92	38.14 -6.32 1.65
NIAGARA_115E_LBMP 323715	39.37 -5.22 0.00	38.48 -4.37 0.00	37.77 -4.56 0.00	36.67 -4.47 0.00	39.02 -4.74 0.00	38.57 -4.40 0.00	49.10 -6.10 0.00	50.49 -6.77 0.00	37.42 -4.66 0.00	27.75 -3.81 0.05	29.77 -4.38 0.00	27.46 -4.29 0.00	27.11 -3.86 0.00	22.21 -3.36 0.00	21.52 -3.58 0.00	28.16 -4.82 0.01	43.07 -7.05 0.01	36.51 -5.60 0.00	35.55 -5.62 0.02	33.36 -10.33 28.15	29.25 -6.78 9.90	34.53 -7.06 5.08	38.44 -6.58 1.90	38.26 -6.21 1.64
NIAGARA_115W_LBMP 323714	39.28 -5.31 0.00	38.50 -4.36 0.00	37.82 -4.51 0.00	36.72 -4.42 0.00	39.05 -4.70 0.00	38.57 -4.40 0.00	48.92 -6.28 0.00	50.08 -7.17 0.00	37.14 -4.93 0.00	27.58 -3.97 0.05	29.64 -4.51 0.00	27.33 -4.42 0.00	27.00 -3.98 0.00	22.11 -3.46 0.00	21.43 -3.68 0.00	28.01 -4.97 0.01	42.78 -7.33 0.01	36.22 -5.88 0.00	35.26 -5.91 0.02	32.73 -10.85 28.25	28.94 -7.08 9.91	34.23 -7.33 5.11	38.21 -6.79 1.92	38.04 -6.42 1.65
NIAGARA_230_LBMP 323716	39.77 -4.82 0.00	38.89 -3.96 0.00	38.21 -4.12 0.00	37.09 -4.05 0.00	39.49 -4.27 0.00	38.95 -4.01 0.00	49.60 -5.60 0.00	51.03 -6.21 0.00	37.80 -4.28 0.00	28.06 -3.49 0.05	30.21 -3.95 0.00	27.86 -3.89 0.00	27.51 -3.46 0.00	22.52 -3.05 0.00	21.83 -3.27 0.00	28.57 -4.42 0.01	43.67 -6.44 0.01	36.95 -5.16 0.00	35.98 -5.19 0.02	33.52 -9.51 28.81	29.62 -6.24 10.08	35.04 -6.48 5.16	38.94 -6.05 1.93	38.75 -5.70 1.66
NIAGARA___115KV_198_GIBSON 55903	39.28 -5.31 0.00	38.51 -4.34 0.00	37.84 -4.49 0.00	36.72 -4.42 0.00	39.08 -4.68 0.00	38.58 -4.38 0.00	48.93 -6.27 0.00	50.10 -7.15 0.00	37.15 -4.92 0.00	27.59 -3.96 0.05	29.61 -4.54 0.00	27.34 -4.42 0.00	27.00 -3.98 0.00	22.11 -3.46 0.00	21.45 -3.66 0.00	27.97 -5.01 0.01	42.76 -7.35 0.01	36.21 -5.89 0.00	35.26 -5.91 0.02	32.68 -10.90 28.25	28.84 -7.19 9.91	34.14 -7.42 5.11	38.13 -6.87 1.92	38.02 -6.44 1.65
NIAGARA____ 23760	39.77 -4.82 0.00	38.89 -3.96 0.00	38.21 -4.12 0.00	37.09 -4.05 0.00	39.49 -4.27 0.00	38.95 -4.01 0.00	49.60 -5.60 0.00	51.03 -6.21 0.00	37.80 -4.28 0.00	28.06 -3.49 0.05	30.21 -3.95 0.00	27.86 -3.89 0.00	27.51 -3.46 0.00	22.52 -3.05 0.00	21.83 -3.27 0.00	28.57 -4.42 0.01	43.67 -6.44 0.01	36.95 -5.16 0.00	35.98 -5.19 0.02	33.85 -9.51 28.48	29.71 -6.24 9.99	35.07 -6.48 5.13	38.95 -6.05 1.92	38.76 -5.70 1.65
NINE_MILE_1 23575	42.35 -2.24 0.01	40.73 -2.12 0.00	40.20 -2.13 0.00	39.06 -2.07 0.00	41.61 -2.15 0.00	40.96 -2.01 0.00	52.82 -2.38 0.00	54.85 -2.40 0.00	40.25 -1.84 0.00	29.81 -1.53 0.27	32.45 -1.71 0.00	30.13 -1.62 0.00	29.41 -1.56 0.00	24.28 -1.30 0.00	23.82 -1.28 0.00	31.24 -1.70 0.06	47.66 -2.42 0.04	40.24 -1.86 0.00	39.29 -1.79 0.11	52.89 -3.24 15.70	33.04 -2.15 10.74	24.35 -2.32 20.01	35.07 -2.36 9.49	35.60 -2.33 8.17
NINE_MILE_2 23744	42.36 -2.22 0.01	40.74 -2.11 0.00	40.20 -2.13 0.00	39.07 -2.06 0.00	41.61 -2.15 0.00	40.97 -2.00 0.00	52.83 -2.37 0.00	54.85 -2.40 0.00	40.25 -1.83 0.00	29.81 -1.53 0.27	32.45 -1.70 0.00	30.13 -1.62 0.00	29.42 -1.56 0.00	24.28 -1.29 0.00	23.82 -1.28 0.00	31.24 -1.70 0.06	47.66 -2.42 0.04	40.25 -1.86 0.00	39.29 -1.79 0.11	52.71 -3.24 15.89	32.92 -2.15 10.87	24.12 -2.30 20.25	34.96 -2.35 9.61	35.51 -2.33 8.26
NM_CAPITAL___DRP 24208	45.65 1.06 0.00	43.74 0.88 0.00	43.25 0.92 0.00	42.10 0.97 0.00	44.76 1.00 0.00	43.98 1.01 0.00	56.94 1.74 0.00	59.10 1.85 0.00	43.26 1.18 0.00	32.30 0.69 0.00	34.93 0.78 0.00	32.53 0.77 0.00	31.68 0.70 0.00	26.22 0.65 0.00	25.84 0.73 0.00	33.96 0.97 0.00	51.47 1.36 0.00	43.21 1.11 0.00	42.20 1.02 0.00	73.39 1.56 0.00	46.92 0.99 0.00	47.36 0.68 0.00	47.47 0.55 0.00	46.73 0.62 0.00
NM_CENTRAL___DRP 24181	42.96 -1.63 0.00	41.30 -1.55 0.00	40.73 -1.60 0.00	39.59 -1.55 0.00	42.20 -1.56 0.00	41.60 -1.36 0.00	53.77 -1.43 0.00	55.89 -1.37 0.00	40.96 -1.12 0.00	30.50 -1.08 0.03	32.90 -1.25 0.00	30.56 -1.20 0.00	29.82 -1.15 0.00	24.60 -0.97 0.00	24.13 -0.97 0.00	31.71 -1.27 0.01	48.45 -1.66 0.00	40.95 -1.16 0.00	40.09 -1.09 0.01	75.38 -2.08 -5.63	45.59 -1.46 -1.11	42.95 -1.68 2.04	44.05 -1.74 1.13	43.39 -1.75 0.97
NM_FRONTIER___DRP 24179	39.28 -5.31 0.00	38.51 -4.34 0.00	37.84 -4.49 0.00	36.72 -4.42 0.00	39.08 -4.68 0.00	38.58 -4.38 0.00	48.93 -6.27 0.00	50.10 -7.15 0.00	37.15 -4.92 0.00	27.59 -3.96 0.05	29.61 -4.54 0.00	27.34 -4.42 0.00	27.00 -3.98 0.00	22.11 -3.46 0.00	21.45 -3.66 0.00	27.97 -5.01 0.01	42.76 -7.35 0.01	36.21 -5.89 0.00	35.26 -5.91 0.02	32.68 -10.90 28.25	28.84 -7.19 9.91	34.14 -7.42 5.11	38.13 -6.87 1.92	38.02 -6.44 1.65
NM_ST_REGIS___HYD 24053	45.51 0.91 0.00	43.92 1.07 0.00	43.57 1.24 0.00	42.16 1.02 0.00	44.77 1.01 0.00	43.76 0.79 0.00	55.41 0.21 0.00	57.17 -0.07 0.00	42.17 0.09 0.00	31.92 0.31 0.00	34.33 0.17 0.00	31.82 0.06 0.00	31.12 0.15 0.00	25.70 0.13 0.00	25.14 0.04 0.00	33.07 0.08 0.00	50.41 0.29 0.00	42.31 0.20 0.00	41.29 0.10 0.00	72.59 0.76 0.00	46.52 0.59 0.00	47.70 1.03 0.00	47.99 1.07 0.00	47.50 1.40 0.00

NORTHPORT___1 23551	47.45 2.86 0.00	45.49 2.64 0.00	44.94 2.61 0.00	43.71 2.58 0.00	46.53 2.77 0.00	45.82 2.85 0.00	59.46 4.26 0.00	62.05 4.80 0.00	45.54 3.46 0.00	33.84 2.23 0.00	36.80 2.65 0.00	34.35 2.57 -0.02	33.33 2.36 0.00	27.55 1.98 0.00	29.54 2.11 -2.33	82.83 2.81 -47.02	59.16 4.20 -4.84	46.40 3.72 -0.58	50.65 4.23 -5.24	87.28 6.58 -8.86	82.42 4.09 -32.39	60.18 3.53 -9.97	58.43 3.38 -8.14	50.93 3.40 -1.43
NORTHPORT___2 23552	47.50 2.91 0.00	45.53 2.68 0.00	45.00 2.67 0.00	43.76 2.62 0.00	46.61 2.85 0.00	45.84 2.88 0.00	59.49 4.29 0.00	62.06 4.81 0.00	45.54 3.46 0.00	33.81 2.20 0.00	36.83 2.68 0.00	34.39 2.61 -0.02	33.37 2.40 0.00	27.59 2.02 0.00	29.60 2.16 -2.33	82.89 2.88 -47.02	59.18 4.22 -4.84	46.36 3.68 -0.58	50.60 4.18 -5.24	87.17 6.47 -8.86	82.40 4.07 -32.39	60.15 3.50 -9.97	58.42 3.36 -8.14	50.94 3.41 -1.43
NORTHPORT___3 23553	47.11 2.52 0.00	45.10 2.25 0.00	44.56 2.23 0.00	43.34 2.20 0.00	46.06 2.29 0.00	45.28 2.32 0.00	58.74 3.54 0.00	61.30 4.05 0.00	45.01 2.93 0.00	33.53 1.92 0.00	36.53 2.38 0.00	34.07 2.30 -0.02	33.06 2.09 0.00	27.34 1.76 0.00	29.33 1.89 -2.33	82.49 2.48 -47.02	58.54 3.58 -4.84	45.87 3.18 -0.58	49.98 3.56 -5.24	86.21 5.51 -8.86	81.80 3.48 -32.39	59.56 2.91 -9.97	57.85 2.80 -8.14	50.45 2.92 -1.43
NORTHPORT___4 23650	47.11 2.52 0.00	45.10 2.25 0.00	44.56 2.23 0.00	43.34 2.20 0.00	46.06 2.29 0.00	45.28 2.32 0.00	58.74 3.54 0.00	61.30 4.05 0.00	45.01 2.93 0.00	33.53 1.92 0.00	36.53 2.38 0.00	34.07 2.30 -0.02	33.06 2.09 0.00	27.34 1.76 0.00	29.33 1.89 -2.33	82.49 2.48 -47.02	58.54 3.58 -4.84	45.87 3.18 -0.58	49.98 3.56 -5.24	86.21 5.51 -8.86	81.80 3.48 -32.39	59.56 2.91 -9.97	57.85 2.80 -8.14	50.45 2.92 -1.43
NORTHPORT___IC 23718	47.50 2.91 0.00	45.53 2.68 0.00	45.00 2.67 0.00	43.76 2.62 0.00	46.61 2.85 0.00	45.84 2.88 0.00	59.49 4.29 0.00	62.06 4.81 0.00	45.54 3.46 0.00	33.81 2.20 0.00	36.83 2.68 0.00	34.39 2.61 -0.02	33.37 2.40 0.00	27.59 2.02 0.00	29.60 2.16 -2.33	82.89 2.88 -47.02	59.18 4.22 -4.84	46.36 3.68 -0.58	50.60 4.18 -5.24	87.17 6.47 -8.86	82.40 4.07 -32.39	60.15 3.50 -9.97	58.42 3.36 -8.14	50.94 3.41 -1.43
NORTH___COUNTRY_ESR 323785	46.21 1.62 0.00	44.43 1.58 0.00	44.38 2.05 0.00	42.78 1.65 0.00	45.33 1.57 0.00	44.42 1.46 0.00	56.34 1.14 0.00	57.96 0.71 0.00	42.77 0.69 0.00	32.57 0.96 0.00	35.02 0.86 0.00	32.51 0.76 0.00	31.82 0.84 0.00	26.31 0.73 0.00	25.66 0.56 0.00	33.86 0.87 0.00	51.63 1.51 0.00	43.25 1.14 0.00	42.20 1.01 0.00	73.96 2.13 0.00	47.36 1.43 0.00	48.57 1.89 0.00	48.88 1.96 0.00	48.32 2.22 0.00
NPX_GEN_1385_PROXY 323591	48.07 3.48 0.00	46.19 3.34 0.00	45.65 3.32 0.00	44.42 3.29 0.00	47.65 3.89 0.00	46.76 3.79 0.00	60.97 5.77 0.00	63.48 6.23 0.00	46.42 4.34 0.00	33.98 2.37 0.00	37.12 2.97 0.00	34.83 3.05 -0.02	33.81 2.84 0.00	28.05 2.48 0.00	30.24 2.81 -2.33	83.72 3.71 -47.02	60.09 5.13 -4.84	46.75 4.06 -0.58	51.12 4.69 -5.24	88.01 7.31 -8.86	81.43 4.75 -30.75	60.98 4.33 -9.97	59.26 4.20 -8.14	51.72 4.19 -1.43
NPX_GEN_CSC 323557	47.57 2.98 0.00	45.61 2.75 0.00	45.13 2.80 0.00	43.91 2.77 0.00	46.69 2.93 0.00	46.15 3.19 0.00	60.29 5.09 0.00	62.95 5.70 0.00	46.05 3.97 0.00	34.11 2.50 0.00	36.98 2.83 0.00	34.46 2.69 -0.02	33.43 2.46 0.00	27.60 2.03 0.00	29.62 2.19 -2.33	83.02 3.01 -47.02	59.78 4.82 -4.84	47.07 4.38 -0.58	51.36 4.94 -5.24	88.60 7.90 -8.86	81.62 4.93 -30.75	60.87 4.22 -9.97	59.07 4.01 -8.14	51.52 3.99 -1.43
NSINS_S_GLNS_FALLS 23858	45.70 1.11 0.00	43.68 0.82 0.00	43.33 1.01 0.00	42.12 0.99 0.00	44.86 1.10 0.00	44.15 1.18 0.00	57.49 2.29 0.00	59.74 2.49 0.00	43.48 1.40 0.00	32.55 0.93 0.00	35.10 0.94 0.00	32.62 0.87 0.00	31.83 0.86 0.00	26.17 0.60 0.00	25.75 0.64 0.00	34.06 1.06 0.00	52.03 1.92 0.00	43.81 1.70 0.00	43.10 1.91 0.00	74.98 3.15 0.00	47.70 1.76 0.00	48.05 1.38 0.00	47.93 1.01 0.00	47.08 0.98 0.00
NUCOR_STEEL___DRP 24197	43.61 -0.98 0.00	41.91 -0.94 0.00	41.36 -0.97 0.00	40.17 -0.97 0.00	42.86 -0.90 0.00	42.28 -0.69 0.00	54.69 -0.51 0.00	56.88 -0.37 0.00	41.62 -0.46 0.00	30.93 -0.65 0.02	33.33 -0.83 0.00	30.92 -0.83 0.00	30.18 -0.79 0.00	24.87 -0.71 0.00	24.39 -0.71 0.00	32.11 -0.88 0.00	49.20 -0.92 0.00	41.63 -0.47 0.00	40.77 -0.41 0.01	101.89 -0.86 -30.91	54.63 -0.70 -9.40	45.59 -0.96 0.13	45.16 -1.03 0.73	44.41 -1.07 0.63
NUMBER_THREE_WT_PWR 323818	45.22 0.63 0.00	43.39 0.54 0.00	42.67 0.34 0.00	41.40 0.27 0.00	44.06 0.30 0.00	43.39 0.43 0.00	56.30 1.10 0.00	58.63 1.38 0.00	42.84 0.76 0.00	31.74 0.14 0.01	34.03 -0.13 0.00	31.55 -0.20 0.00	30.76 -0.21 0.00	25.36 -0.21 0.00	24.86 -0.24 0.00	32.84 -0.15 0.00	50.62 0.50 0.00	43.04 0.93 0.00	42.19 1.01 0.00	73.24 1.77 0.36	46.84 1.15 0.25	47.33 1.12 0.46	47.69 0.99 0.22	46.85 0.93 0.19
NYISO_LBMP_REFERENCE 24008	44.59 0.00 0.00	42.85 0.00 0.00	42.33 0.00 0.00	41.13 0.00 0.00	43.76 0.00 0.00	42.96 0.00 0.00	55.20 0.00 0.00	57.25 0.00 0.00	42.08 0.00 0.00	31.61 0.00 0.00	34.15 0.00 0.00	31.75 0.00 0.00	30.97 0.00 0.00	25.57 0.00 0.00	25.10 0.00 0.00	32.99 0.00 0.00	50.12 0.00 0.00	42.10 0.00 0.00	41.19 0.00 0.00	71.83 0.00 0.00	45.94 0.00 0.00	46.68 0.00 0.00	46.92 0.00 0.00	46.10 0.00 0.00
NYPA_BRENTWD___GT 24164	47.85 3.26 0.00	45.85 3.00 0.00	45.31 2.98 0.00	44.07 2.94 0.00	46.92 3.16 0.00	46.22 3.26 0.00	59.94 4.74 0.00	62.43 5.18 0.00	46.00 3.92 0.00	34.16 2.55 0.00	37.11 2.95 0.00	34.60 2.83 -0.02	33.58 2.60 0.00	27.74 2.17 0.00	29.75 2.32 -2.33	83.13 3.13 -47.02	59.68 4.72 -4.84	46.81 4.12 -0.58	51.17 4.75 -5.24	88.21 7.52 -8.86	83.03 4.71 -32.39	60.73 4.08 -9.97	58.95 3.89 -8.14	51.41 3.87 -1.43
NYPA_GOWANUS___GT5 24156	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.30 3.10 0.00	60.93 3.68 0.00	44.85 2.77 0.00	33.66 2.05 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.93 0.00	44.45 3.26 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00
NYPA_GOWANUS___GT6 24157	46.67 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.73 0.00	45.64 1.88 0.00	45.00 2.03 0.00	58.30 3.10 0.00	60.93 3.68 0.00	44.85 2.77 0.00	33.66 2.05 0.00	36.58 2.40 -0.02	34.95 2.28 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.23 2.23 0.00	53.38 3.26 0.00	45.04 2.93 0.00	44.45 3.26 0.00	77.02 5.19 0.00	49.22 3.29 0.00	49.40 2.72 0.00	49.45 2.53 0.00	48.70 2.59 0.00

NYPA_HARLEM__RVR__GT1 24160	46.41 1.82 0.00	44.45 1.60 0.00	43.97 1.65 0.00	42.74 1.60 0.00	45.52 1.76 0.00	44.80 1.84 0.00	58.09 2.89 0.00	60.84 3.59 0.00	44.76 2.67 0.00	33.57 1.96 0.00	36.37 2.20 -0.02	34.62 2.08 -0.78	32.93 1.95 -0.01	27.21 1.64 0.00	26.75 1.64 0.00	35.05 2.05 0.00	53.13 3.01 0.00	44.81 2.71 0.00	44.12 2.93 0.00	76.48 4.64 0.00	48.92 2.99 0.00	49.05 2.37 0.00	49.15 2.23 0.00	48.33 2.23 0.00
NYPA_HARLEM__RVR__GT2 24161	46.41 1.82 0.00	44.45 1.60 0.00	43.97 1.65 0.00	42.74 1.60 0.00	45.52 1.76 0.00	44.80 1.84 0.00	58.09 2.89 0.00	60.84 3.59 0.00	44.76 2.67 0.00	33.57 1.96 0.00	36.37 2.20 -0.02	34.62 2.08 -0.78	32.93 1.95 -0.01	27.21 1.64 0.00	26.75 1.64 0.00	35.05 2.05 0.00	53.13 3.01 0.00	44.81 2.71 0.00	44.12 2.93 0.00	76.48 4.64 0.00	48.92 2.99 0.00	49.05 2.37 0.00	49.15 2.23 0.00	48.33 2.23 0.00
NYPA_KENT____GT 24152	46.63 2.04 0.00	44.58 1.73 0.00	44.03 1.71 0.00	42.84 1.71 0.00	45.62 1.86 0.00	44.97 2.00 0.00	58.28 3.08 0.00	60.91 3.66 0.00	44.83 2.76 0.00	33.65 2.04 0.00	36.55 2.38 -0.02	34.93 2.26 -0.92	33.03 2.06 0.00	27.30 1.72 0.00	26.84 1.74 0.00	35.20 2.21 0.00	53.34 3.22 0.00	45.00 2.89 0.00	44.39 3.21 0.00	76.94 5.11 0.00	49.19 3.25 0.00	49.35 2.67 0.00	49.40 2.49 0.00	48.63 2.52 0.00
NYPA_POUCH1____GT 24155	46.49 1.90 0.00	44.40 1.54 0.00	43.86 1.52 0.00	42.68 1.55 0.00	45.42 1.66 0.00	44.79 1.82 0.00	42.67 2.82 15.35	46.35 3.38 14.28	38.87 2.55 5.77	33.52 1.91 0.00	36.42 2.25 -0.02	34.80 2.13 -0.91	32.91 1.94 0.00	27.21 1.63 0.00	26.75 1.65 0.00	35.08 2.09 0.00	52.55 3.03 0.59	44.49 2.74 0.36	44.07 3.10 0.22	74.70 4.85 1.98	48.41 3.08 0.61	49.19 2.54 0.03	49.28 2.36 0.00	48.58 2.48 0.00
NYPA_VERNON____GT2 24162	46.59 2.00 0.00	44.55 1.70 0.00	44.02 1.70 0.00	42.83 1.69 0.00	45.61 1.84 0.00	44.95 1.99 0.00	58.28 3.09 0.00	60.96 3.71 0.00	44.84 2.76 0.00	33.63 2.02 0.00	36.52 2.35 -0.02	34.92 2.25 -0.92	33.01 2.03 0.00	27.28 1.71 0.00	26.82 1.72 0.00	35.17 2.18 0.00	53.31 3.19 0.00	44.99 2.88 0.00	44.35 3.17 0.00	76.84 5.01 0.00	49.14 3.21 0.00	49.29 2.62 0.00	49.36 2.45 0.00	48.56 2.46 0.00
NYPA_VERNON____GT3 24163	46.59 2.00 0.00	44.55 1.70 0.00	44.02 1.70 0.00	42.83 1.69 0.00	45.61 1.84 0.00	44.95 1.99 0.00	58.28 3.09 0.00	60.96 3.71 0.00	44.84 2.76 0.00	33.63 2.02 0.00	36.52 2.35 -0.02	34.92 2.25 -0.92	33.01 2.03 0.00	27.28 1.71 0.00	26.82 1.72 0.00	35.17 2.18 0.00	53.31 3.19 0.00	44.99 2.88 0.00	44.35 3.17 0.00	76.84 5.01 0.00	49.14 3.21 0.00	49.29 2.62 0.00	49.36 2.45 0.00	48.56 2.46 0.00
NYPA__ASTORIA_CC1 323568	46.50 1.91 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.90 0.00	58.18 2.98 0.00	60.85 3.60 0.00	44.75 2.67 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.84 2.17 -0.92	32.94 1.97 0.00	27.22 1.65 0.00	26.76 1.65 0.00	35.08 2.09 0.00	53.17 3.05 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.69 4.85 0.00	49.06 3.13 0.00	49.21 2.53 0.00	49.29 2.37 0.00	48.48 2.38 0.00
NYPA__ASTORIA_CC2 323569	46.50 1.91 0.00	44.47 1.62 0.00	43.95 1.62 0.00	42.75 1.62 0.00	45.53 1.77 0.00	44.86 1.90 0.00	58.18 2.98 0.00	60.85 3.60 0.00	44.75 2.67 0.00	33.56 1.95 0.00	36.45 2.28 -0.02	34.84 2.17 -0.92	32.94 1.97 0.00	27.22 1.65 0.00	26.76 1.65 0.00	35.08 2.09 0.00	53.17 3.05 0.00	44.90 2.79 0.00	44.27 3.08 0.00	76.69 4.85 0.00	49.06 3.13 0.00	49.21 2.53 0.00	49.29 2.37 0.00	48.48 2.38 0.00
NYPA__HOLTSVILL 23794	47.54 2.95 0.00	45.58 2.72 0.00	45.04 2.72 0.00	43.83 2.69 0.00	46.63 2.88 0.00	45.97 3.00 0.00	59.81 4.61 0.00	62.43 5.18 0.00	45.76 3.68 0.00	33.95 2.34 0.00	36.88 2.72 0.00	34.37 2.60 -0.02	33.35 2.38 0.00	27.55 1.98 0.00	29.56 2.13 -2.33	82.90 2.89 -47.02	59.44 4.48 -4.84	46.70 4.01 -0.58	50.95 4.53 -5.24	87.85 7.16 -8.86	82.80 4.48 -32.39	60.46 3.82 -9.97	58.70 3.65 -8.14	51.19 3.66 -1.43
NYPA__HELLGATE_GT1 24158	46.41 1.82 0.00	44.45 1.60 0.00	43.97 1.65 0.00	42.74 1.60 0.00	45.52 1.76 0.00	44.80 1.84 0.00	58.09 2.89 0.00	60.84 3.59 0.00	44.76 2.67 0.00	33.57 1.96 0.00	36.37 2.20 -0.02	34.61 2.08 -0.78	32.92 1.95 0.00	27.21 1.64 0.00	26.75 1.64 0.00	35.05 2.05 0.00	53.13 3.01 0.00	44.81 2.71 0.00	44.12 2.93 0.00	76.46 4.63 0.00	48.91 2.98 0.00	49.05 2.37 0.00	49.15 2.23 0.00	48.33 2.23 0.00
NYPA__HELLGATE_GT2 24159	46.41 1.82 0.00	44.45 1.60 0.00	43.97 1.65 0.00	42.74 1.60 0.00	45.52 1.76 0.00	44.80 1.84 0.00	58.09 2.89 0.00	60.84 3.59 0.00	44.76 2.67 0.00	33.57 1.96 0.00	36.37 2.20 -0.02	34.61 2.08 -0.78	32.92 1.95 0.00	27.21 1.64 0.00	26.75 1.64 0.00	35.05 2.05 0.00	53.13 3.01 0.00	44.81 2.71 0.00	44.12 2.93 0.00	76.46 4.63 0.00	48.91 2.98 0.00	49.05 2.37 0.00	49.15 2.23 0.00	48.33 2.23 0.00
NYS_BARGE__HYD 23848	40.15 -4.44 0.00	39.24 -3.61 0.00	38.52 -3.81 0.00	37.39 -3.74 0.00	39.82 -3.94 0.00	39.36 -3.61 0.00	50.20 -5.00 0.00	51.68 -5.57 0.00	38.27 -3.81 0.00	28.33 -3.23 0.05	30.41 -3.74 0.00	28.05 -3.70 0.00	27.69 -3.29 0.00	22.68 -2.90 0.00	21.96 -3.14 0.00	28.79 -4.19 0.01	44.06 -6.05 0.01	37.40 -4.71 0.00	36.43 -4.73 0.02	32.70 -8.80 30.34	29.49 -5.80 10.64	35.37 -6.09 5.22	39.35 -5.65 1.92	39.09 -5.36 1.65
OAK ORCHARD__HYD 24046	41.88 -2.71 0.00	40.61 -2.25 0.00	39.95 -2.38 0.00	38.82 -2.32 0.00	41.37 -2.39 0.00	40.85 -2.12 0.00	52.49 -2.71 0.00	54.22 -3.03 0.00	39.92 -2.16 0.00	29.60 -1.95 0.06	31.89 -2.26 0.00	29.51 -2.25 0.00	28.97 -2.00 0.00	23.78 -1.80 0.00	23.16 -1.94 0.00	30.39 -2.59 0.01	46.63 -3.48 0.01	39.52 -2.59 0.00	38.59 -2.58 0.02	25.39 -4.82 41.62	28.22 -3.25 14.46	37.26 -3.52 5.89	41.55 -3.37 2.00	41.15 -3.24 1.72
OAKDALE__35_KV_LOAD 356122	44.14 -0.45 0.00	42.34 -0.51 0.00	41.77 -0.55 0.00	40.55 -0.58 0.00	43.29 -0.47 0.00	42.67 -0.30 0.00	55.20 0.00 0.00	57.50 0.25 0.00	42.08 0.00 0.00	31.34 -0.25 0.02	33.83 -0.33 0.00	31.43 -0.32 0.00	30.65 -0.33 0.00	25.23 -0.35 0.00	24.76 -0.34 0.00	32.63 -0.36 0.00	49.85 -0.26 0.00	42.11 0.01 0.00	41.26 0.09 0.01	94.47 0.03 -22.61	52.60 -0.15 -6.82	45.85 -0.45 0.38	45.76 -0.48 0.68	45.03 -0.50 0.58
OCC_CHEM__DRP 24175	39.37 -5.22 0.00	38.58 -4.28 0.00	37.91 -4.42 0.00	36.79 -4.35 0.00	39.15 -4.61 0.00	38.66 -4.31 0.00	49.05 -6.15 0.00	50.22 -7.03 0.00	37.26 -4.82 0.00	27.67 -3.88 0.05	29.69 -4.46 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.51 -3.60 0.00	28.04 -4.94 0.01	42.88 -7.23 0.01	36.31 -5.79 0.00	35.35 -5.81 0.02	32.94 -10.71 28.19	28.98 -7.07 9.89	34.26 -7.31 5.11	38.23 -6.77 1.92	38.12 -6.33 1.65

OH_GEN_PROXY 24063	39.89 -4.70 0.00	38.97 -3.89 0.00	38.29 -4.04 0.00	37.16 -3.97 0.00	39.57 -4.19 0.00	39.05 -3.92 0.00	49.76 -5.44 0.00	15.85 -6.02 35.38	37.94 -4.14 0.00	28.16 -3.39 0.05	30.31 -3.84 0.00	27.98 -3.77 0.00	27.62 -3.36 0.00	22.62 -2.96 0.00	21.92 -3.18 0.00	28.70 -4.28 0.01	43.88 -6.23 0.01	37.11 -4.99 0.00	36.14 -5.02 0.02	34.23 -9.22 28.38	28.29 -6.07 11.57	35.24 -6.31 5.13	39.11 -5.88 1.93	38.91 -5.54 1.66
OLIN_CORP_DRP 24177	39.45 -5.14 0.00	38.56 -4.30 0.00	37.86 -4.47 0.00	36.73 -4.40 0.00	39.11 -4.65 0.00	38.67 -4.30 0.00	49.21 -5.99 0.00	50.60 -6.65 0.00	37.51 -4.57 0.00	27.82 -3.74 0.05	29.81 -4.34 0.00	27.52 -4.23 0.00	27.17 -3.81 0.00	22.26 -3.31 0.00	21.59 -3.52 0.00	28.18 -4.80 0.01	43.14 -6.97 0.01	36.59 -5.51 0.00	35.63 -5.53 0.02	33.98 -10.22 27.63	29.42 -6.79 9.73	34.57 -7.06 5.05	38.46 -6.56 1.90	38.32 -6.15 1.63
OLIN_CORP_DSASP 323712	39.35 -5.24 0.00	38.57 -4.28 0.00	37.89 -4.44 0.00	36.77 -4.36 0.00	39.14 -4.62 0.00	38.64 -4.33 0.00	49.03 -6.17 0.00	50.22 -7.03 0.00	37.25 -4.83 0.00	27.66 -3.90 0.05	29.72 -4.44 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.49 -3.62 0.00	28.07 -4.91 0.01	42.89 -7.22 0.01	36.32 -5.79 0.00	35.35 -5.81 0.02	32.99 -10.65 28.19	29.08 -6.97 9.89	34.35 -7.22 5.11	38.33 -6.67 1.92	38.14 -6.32 1.65
ONEIDA_HERK_LFGE 323681	45.52 0.93 0.00	43.68 0.83 0.00	43.05 0.72 0.00	41.83 0.70 0.00	44.55 0.79 0.00	43.88 0.91 0.00	56.83 1.63 0.00	59.12 1.87 0.00	43.22 1.14 0.00	32.15 0.54 0.01	34.59 0.43 0.00	32.09 0.33 0.00	31.27 0.29 0.00	25.79 0.22 0.00	25.32 0.21 0.00	33.39 0.40 0.00	51.23 1.11 0.00	43.35 1.24 0.00	42.50 1.31 0.00	73.61 2.23 0.46	46.99 1.37 0.31	47.35 1.25 0.59	47.80 1.16 0.28	46.93 1.07 0.24
ONEIDA___115KV_TB4 55905	45.44 0.85 0.00	43.65 0.79 0.00	43.05 0.72 0.00	41.84 0.70 0.00	44.59 0.83 0.00	43.96 0.99 0.00	56.99 1.79 0.00	59.26 2.01 0.00	43.29 1.21 0.00	32.13 0.54 0.02	34.59 0.43 0.00	32.10 0.34 0.00	31.28 0.30 0.00	25.80 0.23 0.00	25.32 0.22 0.00	33.39 0.41 0.00	51.24 1.13 0.00	43.43 1.33 0.00	42.56 1.38 0.01	73.11 2.25 0.97	46.58 1.31 0.67	46.55 1.11 1.24	47.33 1.00 0.59	46.48 0.88 0.51
ONONDAGA_REF_OCCRA 23987	43.41 -1.18 0.00	41.72 -1.14 0.00	41.15 -1.18 0.00	39.99 -1.14 0.00	42.64 -1.13 0.00	42.05 -0.92 0.00	54.37 -0.82 0.00	56.53 -0.72 0.00	41.38 -0.69 0.00	30.80 -0.79 0.03	33.21 -0.94 0.00	30.85 -0.91 0.00	30.09 -0.88 0.00	24.81 -0.76 0.00	24.35 -0.76 0.00	32.02 -0.97 0.00	48.96 -1.15 0.00	41.41 -0.69 0.00	40.56 -0.62 0.01	82.81 -1.23 -12.20	48.31 -0.92 -3.30	44.07 -1.16 1.45	44.70 -1.24 0.98	44.01 -1.26 0.84
ONONDAGA___COGEN 23986	43.38 -1.20 0.00	41.70 -1.15 0.00	41.13 -1.20 0.00	39.95 -1.19 0.00	42.62 -1.14 0.00	42.02 -0.95 0.00	54.33 -0.87 0.00	56.44 -0.80 0.00	41.31 -0.77 0.00	30.78 -0.82 0.02	33.19 -0.96 0.00	30.83 -0.93 0.00	30.08 -0.89 0.00	24.81 -0.76 0.00	24.33 -0.77 0.00	32.01 -0.98 0.00	48.92 -1.19 0.00	41.36 -0.74 0.00	40.48 -0.70 0.01	95.80 -1.36 -25.33	52.61 -0.99 -7.67	45.26 -1.21 0.20	44.98 -1.29 0.65	44.24 -1.31 0.56
ONTARIO___LFGE 23819	43.40 -1.19 0.00	41.76 -1.09 0.00	41.23 -1.10 0.00	40.01 -1.12 0.00	42.82 -0.94 0.00	42.35 -0.62 0.00	54.93 -0.27 0.00	57.39 0.14 0.00	41.88 -0.20 0.00	30.98 -0.59 0.04	33.33 -0.83 0.00	30.85 -0.90 0.00	30.11 -0.86 0.00	24.72 -0.86 0.00	24.22 -0.88 0.00	31.96 -1.03 0.01	49.07 -1.04 0.01	41.85 -0.25 0.00	41.00 -0.17 0.02	407.45 -0.43 -336.05	151.52 -0.55 -106.14	57.78 -0.95 -12.05	44.52 -1.04 1.36	43.88 -1.06 1.17
ORANGEVILLE_WT_PWR 323706	40.26 -4.33 0.00	39.34 -3.51 0.00	38.71 -3.62 0.00	37.52 -3.61 0.00	39.99 -3.77 0.00	39.54 -3.43 0.00	50.68 -4.52 0.00	52.28 -4.97 0.00	38.67 -3.41 0.00	28.70 -2.86 0.05	30.86 -3.29 0.00	28.51 -3.24 0.00	28.14 -2.83 0.00	23.03 -2.54 0.00	22.35 -2.76 0.00	29.29 -3.69 0.01	44.81 -5.30 0.01	37.95 -4.15 0.00	36.96 -4.20 0.02	38.56 -7.80 25.48	31.72 -5.20 9.02	36.29 -5.47 4.91	39.95 -5.09 1.88	39.64 -4.85 1.61
ORANGEVILLE___ESR 323794	40.26 -4.33 0.00	39.34 -3.51 0.00	38.71 -3.62 0.00	37.52 -3.61 0.00	39.99 -3.77 0.00	39.54 -3.43 0.00	50.68 -4.52 0.00	52.28 -4.97 0.00	38.67 -3.41 0.00	28.70 -2.86 0.05	30.86 -3.29 0.00	28.51 -3.24 0.00	28.14 -2.83 0.00	23.03 -2.54 0.00	22.35 -2.76 0.00	29.29 -3.69 0.01	44.81 -5.30 0.01	37.95 -4.15 0.00	36.96 -4.20 0.02	38.56 -7.80 25.48	31.72 -5.20 9.02	36.29 -5.47 4.91	39.95 -5.09 1.88	39.64 -4.85 1.61
OSWEGATCHIE___HYD 24044	44.82 0.23 0.00	43.15 0.30 0.00	42.57 0.24 0.00	41.27 0.14 0.00	43.89 0.13 0.00	43.06 0.09 0.00	55.17 -0.03 0.00	57.23 -0.02 0.00	41.98 -0.10 0.00	31.39 -0.22 0.00	33.69 -0.46 0.00	31.23 -0.52 0.00	30.50 -0.47 0.00	25.17 -0.41 0.00	24.65 -0.45 0.00	32.48 -0.51 0.00	49.80 -0.32 0.00	42.14 0.03 0.00	41.22 0.03 0.00	72.20 0.37 0.00	46.23 0.29 0.00	47.15 0.47 0.00	47.36 0.44 0.00	46.70 0.59 0.00
OSWEGO___5 23606	42.70 -1.89 0.00	41.07 -1.79 0.00	40.51 -1.82 0.00	39.38 -1.75 0.00	41.95 -1.81 0.00	41.29 -1.67 0.00	53.27 -1.93 0.00	55.32 -1.93 0.00	40.58 -1.50 0.00	30.40 -1.29 -0.08	32.69 -1.46 0.00	30.37 -1.38 0.00	29.64 -1.33 0.00	24.46 -1.12 0.00	24.00 -1.11 0.00	31.55 -1.46 -0.02	48.09 -2.04 -0.01	40.58 -1.53 0.00	39.76 -1.45 -0.03	73.99 -2.67 -4.83	47.45 -1.78 -3.30	50.86 -1.96 -6.15	47.83 -2.00 -2.91	46.63 -1.98 -2.51
OSWEGO___6 23613	42.70 -1.89 0.00	41.07 -1.79 0.00	40.51 -1.82 0.00	39.38 -1.75 0.00	41.95 -1.81 0.00	41.29 -1.67 0.00	53.27 -1.93 0.00	55.32 -1.93 0.00	40.58 -1.50 0.00	30.40 -1.29 -0.08	32.69 -1.46 0.00	30.37 -1.38 0.00	29.64 -1.33 0.00	24.46 -1.12 0.00	24.00 -1.11 0.00	31.55 -1.46 -0.02	48.09 -2.04 -0.01	40.58 -1.53 0.00	39.76 -1.45 -0.03	73.99 -2.67 -4.83	47.45 -1.78 -3.30	50.86 -1.96 -6.15	47.83 -2.00 -2.91	46.63 -1.98 -2.51
OUTOKUMPU-AB___DRP 24206	40.45 -4.14 0.00	39.56 -3.30 0.00	38.87 -3.46 0.00	37.71 -3.43 0.00	40.19 -3.57 0.00	39.72 -3.24 0.00	50.63 -4.57 0.00	52.06 -5.18 0.00	38.58 -3.50 0.00	28.59 -2.97 0.05	30.70 -3.46 0.00	28.35 -3.41 0.00	27.95 -3.02 0.00	22.89 -2.69 0.00	22.21 -2.89 0.00	29.03 -3.96 0.01	44.44 -5.67 0.01	37.68 -4.43 0.00	36.70 -4.47 0.02	36.07 -8.34 27.42	30.68 -5.60 9.66	35.78 -5.86 5.04	39.61 -5.41 1.90	39.39 -5.08 1.63
OXBOW___BTM 323836	39.93 -4.66 0.00	39.08 -3.77 0.00	38.39 -3.94 0.00	37.26 -3.88 0.00	39.68 -4.08 0.00	39.20 -3.77 0.00	49.87 -5.33 0.00	51.21 -6.05 0.00	37.94 -4.14 0.00	28.14 -3.42 0.05	30.25 -3.90 0.00	27.90 -3.86 0.00	27.54 -3.44 0.00	22.54 -3.03 0.00	21.85 -3.25 0.00	28.59 -4.39 0.01	43.71 -6.40 0.01	37.04 -5.07 0.00	36.07 -5.09 0.02	34.62 -9.41 27.80	29.97 -6.19 9.77	35.15 -6.46 5.07	39.04 -5.98 1.91	38.81 -5.66 1.64

OXBOW____ 24026	39.94 -4.65 0.00	39.09 -3.76 0.00	38.40 -3.93 0.00	37.27 -3.87 0.00	39.69 -4.07 0.00	39.21 -3.75 0.00	49.88 -5.32 0.00	51.20 -6.05 0.00	37.96 -4.13 0.00	28.15 -3.41 0.05	30.23 -3.92 0.00	27.90 -3.85 0.00	27.53 -3.44 0.00	22.55 -3.03 0.00	21.88 -3.23 0.00	28.55 -4.43 0.01	43.70 -6.41 0.01	37.03 -5.07 0.00	36.07 -5.10 0.02	34.57 -9.47 27.80	29.87 -6.29 9.77	35.06 -6.55 5.07	38.96 -6.06 1.91	38.78 -5.68 1.64
OXY_CHEM_DSASP 323612	39.37 -5.22 0.00	38.58 -4.28 0.00	37.91 -4.42 0.00	36.79 -4.35 0.00	39.15 -4.61 0.00	38.66 -4.31 0.00	49.05 -6.15 0.00	50.22 -7.03 0.00	37.26 -4.82 0.00	27.67 -3.88 0.05	29.69 -4.46 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.51 -3.60 0.00	28.04 -4.94 0.01	42.88 -7.23 0.01	36.31 -5.79 0.00	35.35 -5.81 0.02	32.94 -10.71 28.19	28.98 -7.07 9.89	34.26 -7.31 5.11	38.23 -6.77 1.92	38.12 -6.33 1.65
OZONE_PARK_ESR 323760	47.02 2.43 0.00	44.93 2.08 0.00	44.38 2.05 0.00	43.18 2.04 0.00	45.97 2.21 0.00	45.34 2.38 0.00	58.83 3.63 0.00	61.53 4.28 0.00	45.24 3.17 0.00	33.91 2.30 0.00	36.82 2.65 -0.02	35.05 2.53 -0.78	33.32 2.35 0.00	27.52 1.95 0.00	27.05 1.95 0.00	35.49 2.50 0.00	53.76 3.64 0.00	45.44 3.34 0.00	44.79 3.61 0.00	77.58 5.74 0.00	49.54 3.61 0.00	49.64 2.97 0.00	49.73 2.81 0.00	48.87 2.77 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	39.37 -5.22 0.00	38.58 -4.28 0.00	37.91 -4.42 0.00	36.79 -4.35 0.00	39.15 -4.61 0.00	38.66 -4.31 0.00	49.05 -6.15 0.00	50.22 -7.03 0.00	37.26 -4.82 0.00	27.67 -3.88 0.05	29.69 -4.46 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.51 -3.60 0.00	28.04 -4.94 0.01	42.88 -7.23 0.01	36.31 -5.79 0.00	35.35 -5.81 0.02	32.94 -10.71 28.19	28.98 -7.07 9.89	34.26 -7.31 5.11	38.23 -6.77 1.92	38.12 -6.33 1.65
PACKARD__115KV_DUPONT_184 80571	39.37 -5.22 0.00	38.58 -4.28 0.00	37.91 -4.42 0.00	36.79 -4.35 0.00	39.15 -4.61 0.00	38.66 -4.31 0.00	49.05 -6.15 0.00	50.22 -7.03 0.00	37.26 -4.82 0.00	27.67 -3.88 0.05	29.69 -4.46 0.00	27.41 -4.34 0.00	27.07 -3.90 0.00	22.17 -3.40 0.00	21.51 -3.60 0.00	28.04 -4.94 0.01	42.88 -7.23 0.01	36.31 -5.79 0.00	35.35 -5.81 0.02	32.94 -10.71 28.19	28.98 -7.07 9.89	34.26 -7.31 5.11	38.23 -6.77 1.92	38.12 -6.33 1.65
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	46.38 1.79 0.00	44.40 1.55 0.00	43.88 1.56 0.00	42.65 1.52 0.00	45.43 1.67 0.00	44.73 1.76 0.00	58.03 2.83 0.00	60.73 3.48 0.00	44.66 2.58 0.00	33.45 1.84 0.00	36.27 2.09 -0.02	34.53 2.00 -0.78	32.80 1.82 0.00	27.11 1.54 0.00	26.66 1.55 0.00	34.96 1.96 0.00	52.98 2.87 0.00	44.73 2.62 0.00	44.10 2.91 0.00	76.44 4.60 0.00	48.88 2.95 0.00	49.03 2.35 0.00	49.13 2.21 0.00	48.30 2.20 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	46.54 1.95 0.00	44.59 1.74 0.00	44.09 1.76 0.00	42.86 1.73 0.00	45.68 1.92 0.00	44.98 2.02 0.00	58.44 3.24 0.00	61.15 3.90 0.00	44.97 2.90 0.00	33.66 2.04 0.00	36.44 2.26 -0.02	34.67 2.14 -0.78	32.91 1.93 0.00	27.22 1.64 0.00	26.75 1.65 0.00	35.05 2.06 0.00	53.14 3.03 0.00	44.89 2.79 0.00	44.28 3.09 0.00	76.74 4.90 0.00	49.03 3.10 0.00	49.21 2.53 0.00	49.32 2.40 0.00	48.49 2.38 0.00
PATROON__115KV_TB1 80586	45.68 1.09 0.00	43.77 0.91 0.00	43.27 0.94 0.00	42.11 0.98 0.00	44.79 1.03 0.00	44.02 1.05 0.00	57.00 1.80 0.00	59.17 1.92 0.00	43.30 1.22 0.00	32.33 0.72 0.00	34.97 0.81 0.00	32.56 0.81 0.00	31.71 0.73 0.00	26.25 0.67 0.00	25.86 0.76 0.00	34.00 1.01 0.00	51.58 1.46 0.00	43.29 1.19 0.00	42.25 1.06 0.00	73.47 1.64 0.00	46.95 1.02 0.00	47.40 0.72 0.00	47.49 0.57 0.00	46.72 0.62 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	41.33 -3.25 0.00	40.24 -2.61 0.00	39.54 -2.78 0.00	38.35 -2.78 0.00	40.91 -2.85 0.00	40.36 -2.60 0.00	51.66 -3.54 0.00	53.43 -3.82 0.00	39.45 -2.63 0.00	29.22 -2.34 0.05	31.44 -2.71 0.00	29.09 -2.66 0.00	28.68 -2.30 0.00	23.48 -2.09 0.00	22.82 -2.28 0.00	29.88 -3.10 0.01	45.82 -4.29 0.01	38.77 -3.34 0.00	37.78 -3.39 0.02	43.95 -6.50 21.38	33.80 -4.44 7.69	37.32 -4.74 4.62	40.68 -4.42 1.82	40.44 -4.10 1.56
PAWLING_115_KV_BK3_REV_LBMP_H 345028	46.91 2.32 0.00	44.88 2.03 0.00	44.31 1.99 0.00	43.13 2.00 0.00	45.92 2.15 0.00	45.22 2.26 0.00	58.76 3.56 0.00	61.32 4.08 0.00	44.91 2.84 0.00	33.54 1.93 0.00	36.30 2.14 0.00	33.79 2.03 0.00	32.82 1.85 0.00	27.10 1.53 0.00	26.69 1.58 0.00	35.09 2.10 0.00	53.33 3.22 0.00	45.14 3.03 0.00	44.40 3.22 0.00	77.01 5.17 0.00	49.16 3.22 0.00	49.42 2.74 0.00	49.50 2.58 0.00	48.60 2.50 0.00
PEEKSKILL____ 23653	46.43 1.84 0.00	44.44 1.58 0.00	43.86 1.53 0.00	42.67 1.54 0.00	45.42 1.66 0.00	44.74 1.78 0.00	58.11 2.91 0.00	60.66 3.41 0.00	44.49 2.41 0.00	33.24 1.63 0.00	36.03 1.88 0.00	33.58 1.81 -0.02	32.63 1.66 0.00	26.94 1.37 0.00	26.51 1.40 0.00	34.81 1.82 0.00	52.86 2.74 0.00	44.72 2.62 0.00	43.99 2.80 0.00	76.24 4.41 0.00	48.69 2.76 0.00	48.95 2.27 0.00	49.06 2.14 0.00	48.11 2.01 0.00
PGE MADISON__WINDPWR 24146	47.53 2.94 0.00	45.69 2.84 0.00	44.95 2.62 0.00	43.75 2.61 0.00	46.72 2.96 0.00	46.45 3.49 0.00	60.72 5.52 0.00	63.34 6.09 0.00	46.11 4.03 0.00	33.94 2.34 0.02	36.34 2.19 0.00	33.63 1.88 0.00	32.79 1.82 0.00	26.94 1.36 0.00	26.39 1.29 0.00	35.00 2.01 0.00	54.39 4.28 0.00	46.28 4.17 0.00	45.30 4.13 0.01	105.17 7.19 -26.14	58.07 4.18 -7.96	50.24 3.71 0.14	49.88 3.60 0.64	48.86 3.30 0.55
PIERCEFIELD__HYD 23852	45.02 0.43 0.00	43.48 0.63 0.00	43.06 0.73 0.00	41.73 0.60 0.00	44.32 0.56 0.00	43.29 0.33 0.00	54.78 -0.42 0.00	56.55 -0.69 0.00	41.70 -0.38 0.00	31.53 -0.08 0.00	33.92 -0.23 0.00	31.44 -0.31 0.00	30.75 -0.22 0.00	25.40 -0.18 0.00	24.86 -0.24 0.00	32.68 -0.31 0.00	49.76 -0.36 0.00	41.78 -0.33 0.00	40.76 -0.43 0.00	71.69 -0.14 0.00	45.97 0.03 0.00	47.13 0.45 0.00	47.44 0.52 0.00	46.97 0.86 0.00
PINELAWN_CC_1 323563	47.48 2.89 0.00	45.48 2.63 0.00	44.93 2.60 0.00	43.70 2.56 0.00	46.51 2.76 0.00	45.83 2.87 0.00	59.51 4.31 0.00	62.15 4.90 0.00	45.60 3.52 0.00	33.88 2.27 0.00	36.80 2.64 0.00	34.30 2.53 -0.02	33.29 2.32 0.00	27.51 1.93 0.00	29.51 2.08 -2.33	82.79 2.78 -47.02	59.21 4.25 -4.84	46.50 3.81 -0.58	50.64 4.22 -5.24	87.32 6.62 -8.86	82.51 4.19 -32.39	60.28 3.63 -9.97	58.49 3.43 -8.14	50.96 3.43 -1.43
PJM_GEN_HTP_PROXY 323702	46.44 1.94 0.09	51.27 1.61 -6.80	43.93 1.60 0.00	42.75 1.61 0.00	45.52 1.76 0.00	44.89 1.92 0.00	58.19 2.99 0.00	60.40 3.58 0.43	45.14 2.65 -0.41	33.54 1.92 0.00	36.42 2.25 -0.02	34.58 2.16 -0.67	32.95 1.98 0.00	27.23 1.66 0.00	26.78 1.67 0.00	35.10 2.11 0.00	53.16 3.05 0.00	41.27 2.83 3.66	44.29 3.10 0.00	76.67 4.84 0.00	48.97 3.03 0.00	49.08 2.40 0.00	49.16 2.24 0.00	48.98 2.26 -0.62

PJM_GEN_KEystone 24065	43.55 -0.95 0.09	48.78 -0.87 -6.80	41.32 -1.00 0.00	40.15 -0.99 0.00	42.81 -0.95 0.00	42.13 -0.84 0.00	54.41 -0.79 0.00	56.21 -0.62 0.43	41.95 -0.54 -0.41	30.87 -0.72 0.03	33.43 -0.72 0.00	31.10 -0.65 0.00	30.44 -0.53 0.00	25.02 -0.56 0.00	24.47 -0.63 0.00	32.17 -0.82 0.00	49.08 -1.03 0.00	37.82 -0.62 3.66	40.60 -0.58 0.01	68.57 -1.42 1.84	43.84 -1.05 1.04	43.32 -1.42 1.94	44.71 -1.29 0.92	44.71 -1.22 0.17
PJM_GEN_NEPTUNE_PROXY 323594	46.82 2.33 0.09	51.73 2.08 -6.80	44.39 2.06 0.00	43.18 2.04 0.00	45.95 2.20 0.00	45.25 2.28 0.00	58.65 3.45 0.00	60.83 4.01 0.43	45.37 2.87 -0.41	33.51 1.90 0.00	36.41 2.26 0.00	33.97 2.20 -0.02	32.98 2.01 0.00	27.25 1.68 0.00	29.21 1.78 -2.33	82.33 2.32 -47.02	58.41 3.44 -4.84	42.14 3.12 3.08	49.81 3.39 -5.23	85.93 5.24 -8.86	81.69 3.36 -32.39	59.50 2.85 -9.97	57.77 2.72 -8.14	50.89 2.74 -2.05
PJM_GEN_VFT_PROXY 323633	39.06 1.72 7.25	46.66 1.39 -2.42	39.87 1.39 3.86	39.37 1.40 3.17	40.40 1.54 4.89	40.36 1.69 4.29	43.23 2.65 14.62	46.44 3.23 14.03	39.43 2.42 5.08	33.41 1.80 0.00	36.29 2.12 -0.02	34.59 2.06 -0.78	32.84 1.86 0.00	27.15 1.57 0.00	26.69 1.59 0.00	34.98 1.99 0.00	44.80 2.79 8.11	36.19 2.62 8.53	40.84 2.88 3.23	49.31 4.46 26.98	40.42 2.76 8.27	46.87 2.13 1.94	46.33 1.97 2.56	47.39 2.02 0.74
PLATSBRG_115KV_PMLD1 355749	46.83 2.24 0.00	45.01 2.16 0.00	45.11 2.78 0.00	43.38 2.24 0.00	45.90 2.13 0.00	44.92 1.95 0.00	57.04 1.84 0.00	58.60 1.35 0.00	43.09 1.01 0.00	32.84 1.23 0.00	35.22 1.07 0.00	32.66 0.91 0.00	31.98 1.01 0.00	26.47 0.90 0.00	25.78 0.68 0.00	34.11 1.11 0.00	52.19 2.08 0.00	43.77 1.67 0.00	42.76 1.57 0.00	74.74 2.90 0.00	47.79 1.85 0.00	48.96 2.28 0.00	49.27 2.35 0.00	48.94 2.83 0.00
PLEASANTVLY___LBMP 24000	46.22 1.63 0.00	44.23 1.38 0.00	43.68 1.35 0.00	42.52 1.38 0.00	45.22 1.46 0.00	44.48 1.51 0.00	57.73 2.53 0.00	60.19 2.94 0.00	44.13 2.05 0.00	33.00 1.39 0.00	35.74 1.59 0.00	33.29 1.54 0.00	32.36 1.39 0.00	26.74 1.17 0.00	26.32 1.22 0.00	34.59 1.60 0.00	52.47 2.35 0.00	44.33 2.23 0.00	43.58 2.39 0.00	75.58 3.75 0.00	48.28 2.34 0.00	48.56 1.89 0.00	48.69 1.77 0.00	47.87 1.76 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	46.47 1.88 0.00	44.46 1.61 0.00	43.91 1.58 0.00	42.73 1.60 0.00	45.47 1.71 0.00	44.80 1.83 0.00	58.12 2.93 0.00	60.71 3.46 0.00	44.54 2.46 0.00	33.28 1.67 0.00	36.08 1.93 0.00	33.59 1.86 0.02	32.67 1.70 0.00	26.97 1.40 0.00	26.55 1.44 0.00	34.87 1.88 0.00	52.92 2.81 0.00	44.73 2.62 0.00	44.01 2.82 0.00	76.27 4.44 0.00	48.73 2.79 0.00	48.96 2.28 0.00	49.10 2.18 0.00	48.22 2.12 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	46.47 1.88 0.00	44.46 1.61 0.00	43.91 1.58 0.00	42.73 1.60 0.00	45.47 1.71 0.00	44.80 1.83 0.00	58.12 2.93 0.00	60.71 3.46 0.00	44.54 2.46 0.00	33.28 1.67 0.00	36.08 1.93 0.00	33.59 1.86 0.02	32.67 1.70 0.00	26.97 1.40 0.00	26.55 1.44 0.00	34.87 1.88 0.00	52.92 2.81 0.00	44.73 2.62 0.00	44.01 2.82 0.00	76.27 4.44 0.00	48.73 2.79 0.00	48.96 2.28 0.00	49.10 2.18 0.00	48.22 2.12 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	46.58 1.99 0.00	44.57 1.72 0.00	43.99 1.66 0.00	42.82 1.68 0.00	45.55 1.79 0.00	44.83 1.86 0.00	58.24 3.04 0.00	60.75 3.50 0.00	44.49 2.41 0.00	33.23 1.62 0.00	35.97 1.82 0.00	33.49 1.73 0.00	32.51 1.54 0.00	26.86 1.28 0.00	26.46 1.35 0.00	34.81 1.82 0.00	52.89 2.77 0.00	44.75 2.64 0.00	43.99 2.81 0.00	76.32 4.49 0.00	48.72 2.78 0.00	49.00 2.32 0.00	49.08 2.16 0.00	48.23 2.13 0.00
POLETTI_____ 23519	46.55 1.96 0.00	44.47 1.62 0.00	43.95 1.63 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.88 1.92 0.00	58.11 2.91 0.00	60.73 3.48 0.00	44.68 2.60 0.00	33.51 1.90 0.00	36.42 2.25 -0.02	34.69 2.16 -0.78	32.94 1.97 0.00	27.24 1.67 0.00	26.78 1.67 0.00	35.09 2.10 0.00	53.11 3.00 0.00	44.88 2.78 0.00	44.20 3.02 0.00	76.55 4.72 0.00	48.91 2.97 0.00	49.00 2.32 0.00	49.11 2.19 0.00	48.36 2.26 0.00
POMONA___ESR 323819	46.30 1.71 0.00	44.33 1.48 0.00	43.72 1.39 0.00	42.54 1.40 0.00	45.29 1.53 0.00	44.61 1.64 0.00	57.99 2.80 0.00	60.56 3.31 0.00	44.38 2.30 0.00	33.10 1.48 0.00	35.87 1.71 0.00	33.42 1.67 0.00	32.51 1.53 0.00	26.82 1.25 0.00	26.38 1.27 0.00	34.65 1.65 0.00	52.65 2.53 0.00	44.61 2.50 0.00	43.86 2.67 0.00	75.99 4.16 0.00	48.53 2.59 0.00	48.84 2.16 0.00	49.01 2.09 0.00	48.09 1.98 0.00
PORT_JEFF_3 23555	47.69 3.10 0.00	45.71 2.86 0.00	45.17 2.85 0.00	43.95 2.82 0.00	46.77 3.01 0.00	46.11 3.15 0.00	60.02 4.82 0.00	62.66 5.41 0.00	45.91 3.84 0.00	34.07 2.46 0.00	36.98 2.83 0.00	34.47 2.70 -0.02	33.45 2.47 0.00	27.63 2.05 0.00	29.64 2.20 -2.33	83.02 3.01 -47.02	59.64 4.68 -4.84	46.85 4.16 -0.58	51.12 4.70 -5.24	88.19 7.49 -8.86	83.01 4.68 -32.39	60.58 3.93 -9.97	58.88 3.83 -8.14	51.38 3.84 -1.43
PORT_JEFF_4 23616	47.69 3.10 0.00	45.71 2.86 0.00	45.17 2.85 0.00	43.95 2.82 0.00	46.77 3.01 0.00	46.11 3.15 0.00	60.02 4.82 0.00	62.66 5.41 0.00	45.91 3.84 0.00	34.07 2.46 0.00	36.98 2.83 0.00	34.47 2.70 -0.02	33.45 2.47 0.00	27.63 2.05 0.00	29.64 2.20 -2.33	83.02 3.01 -47.02	59.64 4.68 -4.84	46.85 4.16 -0.58	51.12 4.70 -5.24	88.19 7.49 -8.86	83.01 4.68 -32.39	60.58 3.93 -9.97	58.88 3.83 -8.14	51.38 3.84 -1.43
PORT_JEFF_IC 23713	47.70 3.11 0.00	45.72 2.87 0.00	45.19 2.86 0.00	43.96 2.82 0.00	46.77 3.01 0.00	46.14 3.17 0.00	60.05 4.86 0.00	62.71 5.46 0.00	45.95 3.87 0.00	34.09 2.48 0.00	37.01 2.85 0.00	34.48 2.71 -0.02	33.45 2.48 0.00	27.64 2.06 0.00	29.65 2.21 -2.33	83.04 3.02 -47.02	59.68 4.71 -4.84	46.85 4.16 -0.58	51.14 4.72 -5.24	88.28 7.58 -8.86	83.05 4.72 -32.39	60.55 3.90 -9.97	58.91 3.86 -8.14	51.40 3.87 -1.43
PPL PILGRIM_ST_GT1 24216	47.85 3.26 0.00	45.85 3.00 0.00	45.31 2.98 0.00	44.07 2.94 0.00	46.92 3.16 0.00	46.22 3.26 0.00	59.94 4.74 0.00	62.43 5.18 0.00	46.00 3.92 0.00	34.16 2.55 0.00	37.11 2.95 0.00	34.60 2.83 -0.02	33.58 2.60 0.00	27.74 2.17 0.00	29.75 2.32 -2.33	83.13 3.13 -47.02	59.68 4.72 -4.84	46.81 4.12 -0.58	51.17 4.75 -5.24	88.21 7.52 -8.86	83.03 4.71 -32.39	60.73 4.08 -9.97	58.95 3.89 -8.14	51.41 3.87 -1.43
PPL PILGRIM_ST_GT2 24217	47.85 3.26 0.00	45.85 3.00 0.00	45.31 2.98 0.00	44.07 2.94 0.00	46.92 3.16 0.00	46.22 3.26 0.00	59.94 4.74 0.00	62.43 5.18 0.00	46.00 3.92 0.00	34.16 2.55 0.00	37.11 2.95 0.00	34.60 2.83 -0.02	33.58 2.60 0.00	27.74 2.17 0.00	29.75 2.32 -2.33	83.13 3.13 -47.02	59.68 4.72 -4.84	46.81 4.12 -0.58	51.17 4.75 -5.24	88.21 7.52 -8.86	83.03 4.71 -32.39	60.73 4.08 -9.97	58.95 3.89 -8.14	51.41 3.87 -1.43

PPL_SHRM_GT3 24213	47.62 3.03 0.00	45.66 2.80 0.00	45.17 2.84 0.00	43.95 2.82 0.00	46.74 2.98 0.00	46.19 3.23 0.00	60.33 5.13 0.00	63.01 5.76 0.00	46.08 4.00 0.00	34.12 2.51 0.00	37.00 2.85 0.00	34.46 2.69 -0.02	33.44 2.46 0.00	27.61 2.04 0.00	29.62 2.19 -2.33	83.04 3.03 -47.02	59.82 4.85 -4.84	47.12 4.43 -0.58	51.41 4.99 -5.24	88.67 7.97 -8.86	83.32 5.00 -32.39	60.93 4.29 -9.97	59.12 4.06 -8.14	51.57 4.04 -1.43
PPL_SHRM_GT4 24214	47.62 3.03 0.00	45.66 2.80 0.00	45.17 2.84 0.00	43.95 2.82 0.00	46.74 2.98 0.00	46.19 3.23 0.00	60.33 5.13 0.00	63.01 5.76 0.00	46.08 4.00 0.00	34.12 2.51 0.00	37.00 2.85 0.00	34.46 2.69 -0.02	33.44 2.46 0.00	27.61 2.04 0.00	29.62 2.19 -2.33	83.04 3.03 -47.02	59.82 4.85 -4.84	47.12 4.43 -0.58	51.41 4.99 -5.24	88.67 7.97 -8.86	83.32 5.00 -32.39	60.93 4.29 -9.97	59.12 4.06 -8.14	51.57 4.04 -1.43
PROJECT___ORANGE 1 24174	42.98 -1.61 0.00	41.32 -1.53 0.00	40.75 -1.58 0.00	39.60 -1.53 0.00	42.22 -1.54 0.00	41.62 -1.35 0.00	53.79 -1.41 0.00	55.91 -1.34 0.00	40.97 -1.11 0.00	30.52 -1.06 0.03	32.94 -1.22 0.00	30.59 -1.16 0.00	29.85 -1.12 0.00	24.62 -0.95 0.00	24.15 -0.95 0.00	31.74 -1.24 0.01	48.48 -1.63 0.00	40.98 -1.12 0.00	40.11 -1.07 0.01	75.09 -2.02 -5.27	45.50 -1.42 -0.99	42.95 -1.65 2.08	44.06 -1.72 1.14	43.41 -1.72 0.98
PROJECT___ORANGE 2 24166	42.98 -1.61 0.00	41.32 -1.53 0.00	40.75 -1.58 0.00	39.60 -1.53 0.00	42.22 -1.54 0.00	41.62 -1.35 0.00	53.79 -1.41 0.00	55.91 -1.34 0.00	40.97 -1.11 0.00	30.52 -1.06 0.03	32.94 -1.22 0.00	30.59 -1.16 0.00	29.85 -1.12 0.00	24.62 -0.95 0.00	24.15 -0.95 0.00	31.74 -1.24 0.01	48.48 -1.63 0.00	40.98 -1.12 0.00	40.11 -1.07 0.01	75.09 -2.02 -5.27	45.50 -1.42 -0.99	42.95 -1.65 2.08	44.06 -1.72 1.14	43.41 -1.72 0.98
PUCKETT___SOLAR 323809	44.94 0.35 0.00	43.16 0.31 0.00	42.51 0.18 0.00	41.29 0.15 0.00	44.10 0.34 0.00	43.59 0.62 0.00	56.58 1.39 0.00	58.96 1.72 0.00	43.03 0.95 0.00	31.88 0.28 0.02	34.28 0.13 0.00	31.81 0.06 0.00	31.01 0.04 0.00	25.50 -0.07 0.00	25.03 -0.08 0.00	33.08 0.09 0.00	50.87 0.76 0.00	43.14 1.04 0.00	42.30 1.12 0.01	95.62 1.85 -21.94	53.52 0.97 -6.62	46.98 0.63 0.33	46.80 0.52 0.64	46.01 0.45 0.55
PYRITES___HYD 24023	45.95 1.36 0.00	44.48 1.62 0.00	44.02 1.69 0.00	42.72 1.58 0.00	45.46 1.71 0.00	44.58 1.62 0.00	56.59 1.39 0.00	58.60 1.35 0.00	42.97 0.89 0.00	32.38 0.77 0.00	34.80 0.64 0.00	31.97 0.21 0.00	31.22 0.25 0.00	25.79 0.21 0.00	25.40 0.30 0.00	33.45 0.46 0.00	51.03 0.91 0.00	43.01 0.90 0.00	42.08 0.89 0.00	74.17 2.34 0.00	47.45 1.51 0.00	48.61 1.93 0.00	48.85 1.93 0.00	48.18 2.08 0.00
QUAKERRD_115KV_BK1 80622	41.25 -3.34 0.00	39.92 -2.93 0.00	39.31 -3.01 0.00	38.19 -2.94 0.00	40.71 -3.05 0.00	40.19 -2.77 0.00	51.72 -3.48 0.00	53.59 -3.66 0.00	39.40 -2.68 0.00	29.25 -2.31 0.06	31.52 -2.63 0.00	29.18 -2.57 0.00	28.61 -2.37 0.00	23.51 -2.06 0.00	22.96 -2.14 0.00	30.11 -2.87 0.01	46.19 -3.92 0.01	39.12 -2.99 0.00	38.23 -2.94 0.02	2.02 -5.42 64.39	20.58 -3.67 21.68	35.97 -3.93 6.79	41.12 -3.86 1.94	40.73 -3.70 1.67
QUENSBRY_115KV_TB8 356137	45.66 1.07 0.00	43.63 0.77 0.00	43.31 0.98 0.00	42.11 0.98 0.00	44.84 1.08 0.00	44.14 1.18 0.00	57.53 2.33 0.00	59.77 2.52 0.00	43.48 1.41 0.00	32.58 0.96 0.00	35.12 0.97 0.00	32.64 0.89 0.00	31.87 0.89 0.00	26.18 0.60 0.00	25.76 0.66 0.00	34.07 1.08 0.00	52.10 1.98 0.00	43.83 1.73 0.00	43.13 1.95 0.00	75.08 3.25 0.00	47.72 1.79 0.00	48.08 1.40 0.00	47.91 0.99 0.00	47.06 0.96 0.00
RAMAPO___LBMP 323565	46.12 1.53 0.00	44.18 1.33 0.00	43.57 1.24 0.00	42.39 1.26 0.00	45.14 1.38 0.00	44.44 1.48 0.00	57.77 2.58 0.00	60.32 3.07 0.00	44.20 2.12 0.00	32.95 1.34 0.00	35.71 1.56 0.00	33.27 1.52 0.00	32.38 1.40 0.00	26.71 1.13 0.00	26.25 1.15 0.00	34.50 1.51 0.00	52.42 2.31 0.00	44.41 2.31 0.00	43.65 2.47 0.00	75.66 3.83 0.00	48.32 2.38 0.00	48.66 1.98 0.00	48.83 1.91 0.00	47.91 1.80 0.00
RANKINE____ 23646	40.86 -3.73 0.00	39.85 -3.00 0.00	39.18 -3.14 0.00	38.00 -3.13 0.00	40.50 -3.26 0.00	40.01 -2.96 0.00	51.18 -4.02 0.00	52.86 -4.39 0.00	39.09 -2.99 0.00	28.98 -2.58 0.05	31.14 -3.01 0.00	28.79 -2.96 0.00	28.40 -2.57 0.00	23.23 -2.34 0.00	22.56 -2.54 0.00	29.51 -3.47 0.01	45.23 -4.88 0.01	38.29 -3.82 0.00	37.31 -3.85 0.02	40.97 -7.28 23.58	32.62 -4.91 8.40	36.72 -5.18 4.77	40.25 -4.82 1.85	40.03 -4.48 1.59
RAVENSWOOD_GT2_1 24244	46.56 1.97 0.00	44.51 1.65 0.00	43.98 1.65 0.00	42.79 1.65 0.00	45.56 1.80 0.00	44.91 1.94 0.00	58.22 3.02 0.00	60.85 3.60 0.00	44.73 2.65 0.00	33.53 1.92 0.00	36.42 2.24 -0.02	34.83 2.15 -0.92	32.94 1.97 0.00	27.22 1.65 0.00	26.76 1.66 0.00	35.11 2.11 0.00	53.16 3.05 0.00	44.93 2.83 0.00	44.29 3.10 0.00	76.72 4.89 0.00	49.01 3.07 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.32 0.00
RAVENSWOOD_GT2_2 24245	46.56 1.97 0.00	44.51 1.65 0.00	43.98 1.65 0.00	42.79 1.65 0.00	45.56 1.80 0.00	44.91 1.94 0.00	58.22 3.02 0.00	60.85 3.60 0.00	44.73 2.65 0.00	33.53 1.92 0.00	36.42 2.24 -0.02	34.83 2.15 -0.92	32.94 1.97 0.00	27.22 1.65 0.00	26.76 1.66 0.00	35.11 2.11 0.00	53.16 3.05 0.00	44.93 2.83 0.00	44.29 3.10 0.00	76.72 4.89 0.00	49.01 3.07 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.32 0.00
RAVENSWOOD_GT2_3 24246	46.58 1.99 0.00	44.53 1.68 0.00	44.00 1.67 0.00	42.81 1.68 0.00	45.60 1.83 0.00	44.93 1.97 0.00	58.25 3.05 0.00	60.87 3.62 0.00	44.76 2.68 0.00	33.55 1.94 0.00	36.44 2.26 -0.02	34.85 2.18 -0.92	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.67 0.00	35.13 2.14 0.00	53.21 3.10 0.00	44.96 2.85 0.00	44.32 3.13 0.00	76.77 4.94 0.00	49.04 3.11 0.00	49.18 2.50 0.00	49.26 2.35 0.00	48.45 2.35 0.00
RAVENSWOOD_GT2_4 24247	46.58 1.99 0.00	44.53 1.68 0.00	44.00 1.67 0.00	42.81 1.68 0.00	45.60 1.83 0.00	44.93 1.97 0.00	58.25 3.05 0.00	60.87 3.62 0.00	44.76 2.68 0.00	33.55 1.94 0.00	36.44 2.26 -0.02	34.85 2.18 -0.92	32.96 1.99 0.00	27.24 1.66 0.00	26.78 1.67 0.00	35.13 2.14 0.00	53.21 3.10 0.00	44.96 2.85 0.00	44.32 3.13 0.00	76.77 4.94 0.00	49.04 3.11 0.00	49.18 2.50 0.00	49.26 2.35 0.00	48.45 2.35 0.00
RAVENSWOOD_GT3_1 24248	46.57 1.98 0.00	44.52 1.66 0.00	43.98 1.65 0.00	42.80 1.66 0.00	45.57 1.81 0.00	44.91 1.95 0.00	58.23 3.03 0.00	60.86 3.61 0.00	44.74 2.66 0.00	33.53 1.92 0.00	36.43 2.25 -0.02	34.83 2.16 -0.92	32.95 1.98 0.00	27.23 1.65 0.00	26.77 1.66 0.00	35.11 2.12 0.00	53.17 3.05 0.00	44.93 2.83 0.00	44.29 3.11 0.00	76.72 4.89 0.00	49.02 3.09 0.00	49.15 2.48 0.00	49.25 2.33 0.00	48.43 2.33 0.00

RAVENSWOOD_GT3_2 24249	46.57 1.98 0.00	44.52 1.66 0.00	43.98 1.65 0.00	42.80 1.66 0.00	45.57 1.81 0.00	44.91 1.95 0.00	58.23 3.03 0.00	60.86 3.61 0.00	44.74 2.66 0.00	33.53 1.92 0.00	36.43 2.25 -0.02	34.83 2.16 -0.92	32.95 1.98 0.00	27.23 1.65 0.00	26.77 1.66 0.00	35.11 2.12 0.00	53.17 3.05 0.00	44.93 2.83 0.00	44.29 3.11 0.00	76.72 4.89 0.00	49.02 3.09 0.00	49.15 2.48 0.00	49.25 2.33 0.00	48.43 2.33 0.00
RAVENSWOOD_GT3_3 24250	46.63 2.04 0.00	44.57 1.72 0.00	44.04 1.71 0.00	42.85 1.72 0.00	45.64 1.88 0.00	44.97 2.01 0.00	58.32 3.12 0.00	60.96 3.71 0.00	44.81 2.73 0.00	33.59 1.98 0.00	36.48 2.30 -0.02	34.89 2.22 -0.92	33.00 2.03 0.00	27.27 1.69 0.00	26.81 1.70 0.00	35.17 2.18 0.00	53.26 3.15 0.00	45.02 2.91 0.00	44.37 3.18 0.00	76.86 5.03 0.00	49.09 3.15 0.00	49.23 2.55 0.00	49.31 2.40 0.00	48.50 2.39 0.00
RAVENSWOOD_GT3_4 24251	46.63 2.04 0.00	44.57 1.72 0.00	44.04 1.71 0.00	42.85 1.72 0.00	45.64 1.88 0.00	44.97 2.01 0.00	58.32 3.12 0.00	60.96 3.71 0.00	44.81 2.73 0.00	33.59 1.98 0.00	36.48 2.30 -0.02	34.89 2.22 -0.92	33.00 2.03 0.00	27.27 1.69 0.00	26.81 1.70 0.00	35.17 2.18 0.00	53.26 3.15 0.00	45.02 2.91 0.00	44.37 3.18 0.00	76.86 5.03 0.00	49.09 3.15 0.00	49.23 2.55 0.00	49.31 2.40 0.00	48.50 2.39 0.00
RAVENSWOOD_GT_1 23729	46.59 2.00 0.00	44.55 1.70 0.00	44.02 1.70 0.00	42.83 1.69 0.00	45.61 1.85 0.00	44.95 1.99 0.00	58.29 3.09 0.00	60.96 3.71 0.00	44.84 2.76 0.00	33.63 2.02 0.00	36.52 2.35 -0.02	34.93 2.26 -0.92	33.00 2.03 0.00	27.28 1.71 0.00	26.82 1.71 0.00	35.18 2.19 0.00	53.31 3.19 0.00	44.99 2.89 0.00	44.35 3.17 0.00	76.87 5.04 0.00	49.16 3.22 0.00	49.31 2.64 0.00	49.38 2.47 0.00	48.57 2.46 0.00
RAVENSWOOD_GT_10 24258	46.57 1.98 0.00	44.52 1.66 0.00	43.98 1.65 0.00	42.80 1.66 0.00	45.57 1.81 0.00	44.91 1.95 0.00	58.22 3.02 0.00	60.86 3.61 0.00	44.74 2.66 0.00	33.53 1.92 0.00	36.42 2.25 -0.02	34.83 2.16 -0.92	32.95 1.97 0.00	27.22 1.65 0.00	26.77 1.66 0.00	35.11 2.12 0.00	53.17 3.05 0.00	44.94 2.84 0.00	44.29 3.10 0.00	76.72 4.89 0.00	49.02 3.09 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.33 0.00
RAVENSWOOD_GT_11 24259	46.57 1.98 0.00	44.52 1.66 0.00	43.98 1.65 0.00	42.80 1.66 0.00	45.57 1.81 0.00	44.91 1.95 0.00	58.22 3.02 0.00	60.86 3.61 0.00	44.74 2.66 0.00	33.53 1.92 0.00	36.42 2.25 -0.02	34.83 2.16 -0.92	32.95 1.97 0.00	27.22 1.65 0.00	26.77 1.66 0.00	35.11 2.12 0.00	53.17 3.05 0.00	44.94 2.84 0.00	44.29 3.10 0.00	76.72 4.89 0.00	49.02 3.09 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.33 0.00
RAVENSWOOD_GT_4 24252	46.58 1.99 0.00	44.52 1.67 0.00	44.00 1.67 0.00	42.81 1.67 0.00	45.58 1.82 0.00	44.93 1.96 0.00	58.23 3.03 0.00	60.86 3.61 0.00	44.75 2.67 0.00	33.54 1.93 0.00	36.43 2.25 -0.02	34.83 2.16 -0.92	32.96 1.99 0.00	27.23 1.66 0.00	26.77 1.67 0.00	35.12 2.13 0.00	53.20 3.08 0.00	44.95 2.85 0.00	44.30 3.11 0.00	76.73 4.90 0.00	49.02 3.09 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.33 0.00
RAVENSWOOD_GT_5 24254	46.58 1.99 0.00	44.52 1.67 0.00	44.00 1.67 0.00	42.81 1.67 0.00	45.58 1.82 0.00	44.93 1.96 0.00	58.23 3.03 0.00	60.86 3.61 0.00	44.75 2.67 0.00	33.54 1.93 0.00	36.43 2.25 -0.02	34.83 2.16 -0.92	32.96 1.99 0.00	27.23 1.66 0.00	26.77 1.67 0.00	35.12 2.13 0.00	53.20 3.08 0.00	44.95 2.85 0.00	44.30 3.11 0.00	76.73 4.90 0.00	49.02 3.09 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.33 0.00
RAVENSWOOD_GT_6 24253	46.58 1.99 0.00	44.52 1.67 0.00	44.00 1.67 0.00	42.81 1.67 0.00	45.58 1.82 0.00	44.93 1.96 0.00	58.23 3.03 0.00	60.86 3.61 0.00	44.75 2.67 0.00	33.54 1.93 0.00	36.43 2.25 -0.02	34.83 2.16 -0.92	32.96 1.99 0.00	27.23 1.66 0.00	26.77 1.67 0.00	35.12 2.13 0.00	53.20 3.08 0.00	44.95 2.85 0.00	44.30 3.11 0.00	76.73 4.90 0.00	49.02 3.09 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.33 0.00
RAVENSWOOD_GT_7 24255	46.58 1.99 0.00	44.52 1.67 0.00	44.00 1.67 0.00	42.81 1.67 0.00	45.58 1.82 0.00	44.93 1.96 0.00	58.23 3.03 0.00	60.86 3.61 0.00	44.75 2.67 0.00	33.54 1.93 0.00	36.43 2.25 -0.02	34.83 2.16 -0.92	32.96 1.99 0.00	27.23 1.66 0.00	26.77 1.67 0.00	35.12 2.13 0.00	53.20 3.08 0.00	44.95 2.85 0.00	44.30 3.11 0.00	76.73 4.90 0.00	49.02 3.09 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.33 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	46.57 1.98 0.00	44.52 1.66 0.00	43.98 1.65 0.00	42.80 1.66 0.00	45.57 1.81 0.00	44.91 1.95 0.00	58.22 3.02 0.00	60.86 3.61 0.00	44.74 2.66 0.00	33.53 1.92 0.00	36.42 2.25 -0.02	34.83 2.16 -0.92	32.95 1.97 0.00	27.22 1.65 0.00	26.77 1.66 0.00	35.11 2.12 0.00	53.17 3.05 0.00	44.94 2.84 0.00	44.29 3.10 0.00	76.72 4.89 0.00	49.02 3.09 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.33 0.00
RAVENSWOOD_GT_9 24257	46.57 1.98 0.00	44.52 1.66 0.00	43.98 1.65 0.00	42.80 1.66 0.00	45.57 1.81 0.00	44.91 1.95 0.00	58.22 3.02 0.00	60.86 3.61 0.00	44.74 2.66 0.00	33.53 1.92 0.00	36.42 2.25 -0.02	34.83 2.16 -0.92	32.95 1.97 0.00	27.22 1.65 0.00	26.77 1.66 0.00	35.11 2.12 0.00	53.17 3.05 0.00	44.94 2.84 0.00	44.29 3.10 0.00	76.72 4.89 0.00	49.02 3.09 0.00	49.14 2.47 0.00	49.24 2.32 0.00	48.43 2.33 0.00
RAVENSWOOD___1 23533	46.53 1.94 0.00	44.50 1.64 0.00	43.97 1.65 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.88 1.92 0.00	58.22 3.02 0.00	60.86 3.61 0.00	44.75 2.67 0.00	33.55 1.94 0.00	36.44 2.26 -0.02	34.83 2.16 -0.92	32.94 1.97 0.00	27.22 1.64 0.00	26.76 1.65 0.00	35.08 2.09 0.00	53.17 3.05 0.00	44.91 2.81 0.00	44.27 3.08 0.00	76.70 4.87 0.00	49.03 3.10 0.00	49.19 2.51 0.00	49.27 2.35 0.00	48.47 2.36 0.00
RAVENSWOOD___2 23534	46.53 1.94 0.00	44.50 1.64 0.00	43.97 1.65 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.88 1.92 0.00	58.22 3.02 0.00	60.86 3.61 0.00	44.75 2.67 0.00	33.55 1.94 0.00	36.44 2.26 -0.02	34.83 2.16 -0.92	32.94 1.97 0.00	27.22 1.64 0.00	26.76 1.65 0.00	35.08 2.09 0.00	53.17 3.05 0.00	44.91 2.81 0.00	44.27 3.08 0.00	76.70 4.87 0.00	49.03 3.10 0.00	49.19 2.51 0.00	49.27 2.35 0.00	48.47 2.36 0.00
RAVENSWOOD___3 23535	46.57 1.98 0.00	44.52 1.67 0.00	43.98 1.65 0.00	42.80 1.66 0.00	45.57 1.81 0.00	44.91 1.95 0.00	58.23 3.03 0.00	60.86 3.61 0.00	44.75 2.67 0.00	33.54 1.93 0.00	36.42 2.25 -0.02	34.83 2.16 -0.92	32.95 1.98 0.00	27.23 1.65 0.00	26.77 1.67 0.00	35.10 2.11 0.00	53.17 3.05 0.00	44.94 2.83 0.00	44.30 3.11 0.00	76.71 4.87 0.00	49.01 3.07 0.00	49.13 2.46 0.00	49.23 2.31 0.00	48.43 2.32 0.00

RAVENSWOOD___4 23820	46.53 1.94 0.00	44.50 1.64 0.00	43.97 1.65 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.88 1.92 0.00	58.22 3.02 0.00	60.86 3.61 0.00	44.75 2.67 0.00	33.55 1.94 0.00	36.44 2.26 -0.02	34.83 2.16 -0.92	32.94 1.97 0.00	27.22 1.64 0.00	26.76 1.65 0.00	35.08 2.09 0.00	53.17 3.05 0.00	44.91 2.81 0.00	44.27 3.08 0.00	76.70 4.87 0.00	49.03 3.10 0.00	49.19 2.51 0.00	49.27 2.35 0.00	48.47 2.36 0.00
RCPI_TRUST___DRP 24196	46.59 2.00 0.00	44.52 1.66 0.00	43.98 1.65 0.00	42.79 1.66 0.00	45.58 1.81 0.00	44.94 1.97 0.00	58.27 3.08 0.00	60.95 3.70 0.00	44.84 2.76 0.00	33.64 2.03 0.00	36.53 2.36 -0.02	34.69 2.27 -0.67	33.05 2.08 0.00	27.30 1.73 0.00	26.85 1.75 0.00	35.22 2.23 0.00	53.32 3.20 0.00	45.07 2.96 0.00	44.39 3.21 0.00	76.87 5.04 0.00	49.11 3.18 0.00	49.20 2.52 0.00	49.28 2.36 0.00	48.47 2.36 0.00
RED___ROCHESTER 323720	42.14 -2.45 0.00	40.85 -2.00 0.00	40.18 -2.15 0.00	39.03 -2.11 0.00	41.61 -2.15 0.00	41.10 -1.87 0.00	52.85 -2.35 0.00	54.64 -2.61 0.00	40.20 -1.87 0.00	29.79 -1.76 0.06	32.11 -2.04 0.00	29.70 -2.05 0.00	29.16 -1.81 0.00	23.93 -1.65 0.00	23.31 -1.80 0.00	30.59 -2.39 0.01	47.00 -3.11 0.01	39.83 -2.27 0.00	38.91 -2.25 0.02	26.77 -4.25 40.82	28.80 -2.92 14.22	37.59 -3.19 5.90	41.85 -3.05 2.01	41.41 -2.96 1.73
REGAN___SOLAR 323812	48.82 4.23 0.00	46.93 4.08 0.00	46.29 3.96 0.00	45.00 3.86 0.00	48.00 4.24 0.00	47.46 4.49 0.00	61.58 6.38 0.00	64.00 6.75 0.00	46.33 4.26 0.00	33.44 1.83 0.00	35.42 1.27 0.00	32.84 1.09 0.00	32.05 1.07 0.00	26.42 0.85 0.00	25.89 0.79 0.00	34.14 1.15 0.00	54.04 3.93 0.00	46.96 4.85 0.00	46.10 4.91 0.00	80.31 8.48 0.00	51.11 5.18 0.00	51.83 5.16 0.00	51.83 4.91 0.00	50.76 4.66 0.00
RENSSELAER___COGEN 23796	45.50 0.91 0.00	43.60 0.74 0.00	43.10 0.77 0.00	41.95 0.81 0.00	44.60 0.84 0.00	43.82 0.85 0.00	56.69 1.49 0.00	58.87 1.61 0.00	43.07 0.99 0.00	32.15 0.54 0.00	34.76 0.61 0.00	32.38 0.63 0.00	31.53 0.56 0.00	26.11 0.54 0.00	25.72 0.62 0.00	33.80 0.81 0.00	51.25 1.13 0.00	43.02 0.92 0.00	41.98 0.80 0.00	73.03 1.20 0.00	46.68 0.74 0.00	47.12 0.44 0.00	47.23 0.31 0.00	46.49 0.38 0.00
REPUBLIC_115KV_BARTNBRK 55605	47.28 2.69 0.00	44.99 2.13 0.00	45.04 2.72 0.00	43.69 2.55 0.00	46.55 2.79 0.00	45.87 2.91 0.00	60.30 5.10 0.00	62.54 5.29 0.00	45.27 3.19 0.00	33.86 2.25 0.00	36.42 2.26 0.00	33.92 2.16 0.00	33.35 2.38 0.00	27.34 1.77 0.00	26.87 1.77 0.00	35.78 2.79 0.00	54.89 4.78 0.00	45.85 3.75 0.00	45.36 4.17 0.00	78.94 7.10 0.00	49.75 3.82 0.00	49.98 3.30 0.00	49.53 2.61 0.00	48.63 2.52 0.00
REVERE_CPPR_DRP 24186	45.99 1.40 0.00	44.15 1.29 0.00	43.51 1.18 0.00	42.29 1.16 0.00	45.07 1.31 0.00	44.45 1.48 0.00	57.68 2.48 0.00	59.99 2.74 0.00	43.77 1.69 0.00	32.48 0.88 0.01	34.94 0.78 0.00	32.38 0.63 0.00	31.54 0.57 0.00	26.03 0.46 0.00	25.54 0.43 0.00	33.73 0.74 0.00	51.91 1.79 0.00	44.02 1.92 0.00	43.15 1.96 0.00	74.31 3.28 0.81	47.37 1.98 0.55	47.45 1.80 1.03	48.09 1.66 0.49	47.20 1.52 0.42
REYNOLDS_115KV_TB3 80639	45.75 1.16 0.00	43.82 0.97 0.00	43.34 1.01 0.00	42.19 1.06 0.00	44.86 1.11 0.00	44.07 1.10 0.00	57.05 1.85 0.00	59.21 1.96 0.00	43.33 1.25 0.00	32.35 0.74 0.00	35.00 0.84 0.00	32.58 0.83 0.00	31.72 0.75 0.00	26.27 0.69 0.00	25.88 0.77 0.00	34.03 1.04 0.00	51.53 1.41 0.00	43.28 1.17 0.00	42.33 1.14 0.00	73.61 1.78 0.00	47.07 1.14 0.00	47.53 0.85 0.00	47.62 0.70 0.00	46.91 0.80 0.00
RIVERBAY____ 323610	46.54 1.95 0.00	44.59 1.74 0.00	44.09 1.76 0.00	42.86 1.73 0.00	45.68 1.92 0.00	44.98 2.02 0.00	58.44 3.24 0.00	61.15 3.90 0.00	44.97 2.90 0.00	33.66 2.04 0.00	36.44 2.26 -0.02	34.67 2.14 -0.78	32.91 1.93 0.00	27.22 1.64 0.00	26.75 1.65 0.00	35.05 2.06 0.00	53.14 3.03 0.00	44.89 2.79 0.00	44.28 3.09 0.00	76.74 4.90 0.00	49.03 3.10 0.00	49.21 2.53 0.00	49.32 2.40 0.00	48.49 2.38 0.00
RIVERSDE_115KV_TB3 55908	45.65 1.06 0.00	43.74 0.88 0.00	43.25 0.92 0.00	42.10 0.97 0.00	44.76 1.00 0.00	43.98 1.01 0.00	56.94 1.74 0.00	59.10 1.85 0.00	43.26 1.18 0.00	32.30 0.69 0.00	34.93 0.78 0.00	32.53 0.77 0.00	31.68 0.70 0.00	26.22 0.65 0.00	25.84 0.73 0.00	33.96 0.97 0.00	51.47 1.36 0.00	43.21 1.11 0.00	42.20 1.02 0.00	73.39 1.56 0.00	46.92 0.99 0.00	47.36 0.68 0.00	47.47 0.55 0.00	46.73 0.62 0.00
ROARING___BROOK_WT_PWR 323790	44.79 0.20 0.00	43.06 0.21 0.00	42.50 0.17 0.00	41.21 0.08 0.00	43.80 0.04 0.00	42.92 -0.04 0.00	54.94 -0.26 0.00	56.96 -0.29 0.00	42.03 -0.05 0.00	31.72 0.10 0.00	34.25 0.10 0.00	31.84 0.09 0.00	31.10 0.12 0.00	25.68 0.11 0.00	25.17 0.07 0.00	33.08 0.09 0.00	50.19 0.07 0.00	42.09 -0.01 0.00	41.11 -0.08 0.00	71.89 0.06 0.00	46.03 0.09 0.00	46.94 0.27 0.00	47.21 0.30 0.00	46.42 0.31 0.00
ROCHESRG_115KV_T4 355643	41.72 -2.87 0.00	40.44 -2.41 0.00	39.81 -2.52 0.00	38.66 -2.48 0.00	41.19 -2.57 0.00	40.66 -2.30 0.00	52.23 -2.97 0.00	53.97 -3.28 0.00	39.74 -2.34 0.00	29.49 -2.06 0.06	31.77 -2.39 0.00	29.40 -2.35 0.00	28.87 -2.10 0.00	23.70 -1.87 0.00	23.11 -2.00 0.00	30.27 -2.71 0.01	46.44 -3.67 0.01	39.33 -2.77 0.00	38.41 -2.75 0.02	26.58 -5.18 40.08	28.42 -3.51 14.01	37.01 -3.76 5.90	41.30 -3.58 2.03	40.94 -3.41 1.75
ROCHESTER_9_IC 23652	41.94 -2.64 0.00	40.67 -2.18 0.00	40.02 -2.31 0.00	38.86 -2.27 0.00	41.44 -2.32 0.00	40.92 -2.05 0.00	52.58 -2.62 0.00	54.33 -2.92 0.00	40.00 -2.08 0.00	29.66 -1.89 0.06	31.94 -2.22 0.00	29.57 -2.19 0.00	29.03 -1.95 0.00	23.82 -1.75 0.00	23.22 -1.88 0.00	30.43 -2.55 0.01	46.73 -3.38 0.01	39.60 -2.51 0.00	38.67 -2.49 0.02	26.30 -4.72 40.82	28.48 -3.23 14.22	37.29 -3.49 5.90	41.58 -3.33 2.01	41.19 -3.18 1.73
ROCKVIEW_13_KV_LD 356306	46.65 2.06 0.00	44.62 1.76 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.96 1.99 0.00	58.37 3.17 0.00	60.98 3.72 0.00	44.75 2.66 0.00	33.46 1.85 0.00	36.28 2.13 0.00	33.78 2.05 0.02	32.86 1.88 0.00	27.13 1.56 0.00	26.69 1.59 0.00	35.06 2.07 0.00	53.19 3.08 0.00	44.97 2.87 0.00	44.25 3.06 0.00	76.68 4.85 0.00	48.99 3.05 0.00	49.21 2.53 0.00	49.32 2.40 0.00	48.44 2.34 0.00
ROME_____115KV_TB2 80656	45.99 1.40 0.00	44.15 1.29 0.00	43.51 1.18 0.00	42.29 1.16 0.00	45.07 1.31 0.00	44.45 1.48 0.00	57.68 2.48 0.00	59.99 2.74 0.00	43.77 1.69 0.00	32.48 0.88 0.01	34.94 0.78 0.00	32.38 0.63 0.00	31.54 0.57 0.00	26.03 0.46 0.00	25.54 0.43 0.00	33.73 0.74 0.00	51.91 1.79 0.00	44.02 1.92 0.00	43.15 1.96 0.00	74.31 3.28 0.81	47.37 1.98 0.55	47.45 1.80 1.03	48.09 1.66 0.49	47.20 1.52 0.42

ROSETON___1 23587	46.14 1.55 0.00	44.17 1.32 0.00	43.61 1.28 0.00	42.43 1.30 0.00	45.15 1.39 0.00	44.43 1.47 0.00	57.67 2.47 0.00	60.13 2.88 0.00	44.08 2.00 0.00	32.95 1.34 0.00	35.69 1.53 0.00	33.24 1.49 0.00	32.31 1.34 0.00	26.69 1.11 0.00	26.27 1.17 0.00	34.51 1.52 0.00	52.37 2.25 0.00	44.27 2.16 0.00	43.51 2.32 0.00	75.49 3.65 0.00	48.20 2.27 0.00	48.51 1.84 0.00	48.66 1.74 0.00	47.82 1.72 0.00
ROSETON___2 23588	46.14 1.55 0.00	44.17 1.32 0.00	43.61 1.28 0.00	42.43 1.30 0.00	45.15 1.39 0.00	44.43 1.47 0.00	57.67 2.47 0.00	60.13 2.88 0.00	44.08 2.00 0.00	32.95 1.34 0.00	35.69 1.53 0.00	33.24 1.49 0.00	32.31 1.34 0.00	26.69 1.11 0.00	26.27 1.17 0.00	34.51 1.52 0.00	52.37 2.25 0.00	44.27 2.16 0.00	43.51 2.32 0.00	75.49 3.65 0.00	48.20 2.27 0.00	48.51 1.84 0.00	48.66 1.74 0.00	47.82 1.72 0.00
ROTTTRDAM_115KV_TB3 80664	45.72 1.13 0.00	43.83 0.98 0.00	43.32 0.99 0.00	42.14 1.00 0.00	44.84 1.08 0.00	44.10 1.13 0.00	57.05 1.85 0.00	59.27 2.02 0.00	43.37 1.30 0.00	32.42 0.81 0.00	35.01 0.86 0.00	32.55 0.80 0.00	31.71 0.74 0.00	26.19 0.62 0.00	25.77 0.66 0.00	33.91 0.92 0.00	51.62 1.50 0.00	43.49 1.39 0.00	42.65 1.47 0.00	74.19 2.36 0.00	47.39 1.45 0.00	47.88 1.20 0.00	48.03 1.11 0.00	47.21 1.11 0.00
RUSSELL___1 23602	42.14 -2.45 0.00	40.86 -1.99 0.00	40.19 -2.14 0.00	39.04 -2.10 0.00	41.61 -2.15 0.00	41.11 -1.86 0.00	52.86 -2.34 0.00	54.64 -2.61 0.00	40.21 -1.87 0.00	29.80 -1.76 0.06	32.10 -2.06 0.00	29.70 -2.05 0.00	29.16 -1.82 0.00	23.93 -1.64 0.00	23.32 -1.78 0.00	30.57 -2.41 0.01	46.98 -3.13 0.01	39.83 -2.27 0.00	38.92 -2.25 0.02	26.72 -4.29 40.82	28.74 -2.97 14.22	37.54 -3.25 5.90	41.81 -3.10 2.01	41.40 -2.97 1.73
RUSSELL___2 23532	42.14 -2.45 0.00	40.86 -1.99 0.00	40.19 -2.14 0.00	39.04 -2.10 0.00	41.61 -2.15 0.00	41.11 -1.86 0.00	52.86 -2.34 0.00	54.64 -2.61 0.00	40.21 -1.87 0.00	29.80 -1.76 0.06	32.10 -2.06 0.00	29.70 -2.05 0.00	29.16 -1.82 0.00	23.93 -1.64 0.00	23.32 -1.78 0.00	30.57 -2.41 0.01	46.98 -3.13 0.01	39.83 -2.27 0.00	38.92 -2.25 0.02	26.72 -4.29 40.82	28.74 -2.97 14.22	37.54 -3.25 5.90	41.81 -3.10 2.01	41.40 -2.97 1.73
RUSSELL___3 23549	42.14 -2.45 0.00	40.86 -1.99 0.00	40.19 -2.14 0.00	39.04 -2.10 0.00	41.61 -2.15 0.00	41.11 -1.86 0.00	52.86 -2.34 0.00	54.64 -2.61 0.00	40.21 -1.87 0.00	29.80 -1.76 0.06	32.10 -2.06 0.00	29.70 -2.05 0.00	29.16 -1.82 0.00	23.93 -1.64 0.00	23.32 -1.78 0.00	30.57 -2.41 0.01	46.98 -3.13 0.01	39.83 -2.27 0.00	38.92 -2.25 0.02	26.72 -4.29 40.82	28.74 -2.97 14.22	37.54 -3.25 5.90	41.81 -3.10 2.01	41.40 -2.97 1.73
RUSSELL___4 23556	42.14 -2.45 0.00	40.86 -1.99 0.00	40.19 -2.14 0.00	39.04 -2.10 0.00	41.61 -2.15 0.00	41.11 -1.86 0.00	52.86 -2.34 0.00	54.64 -2.61 0.00	40.21 -1.87 0.00	29.80 -1.76 0.06	32.10 -2.06 0.00	29.70 -2.05 0.00	29.16 -1.82 0.00	23.93 -1.64 0.00	23.32 -1.78 0.00	30.57 -2.41 0.01	46.98 -3.13 0.01	39.83 -2.27 0.00	38.92 -2.25 0.02	26.72 -4.29 40.82	28.74 -2.97 14.22	37.54 -3.25 5.90	41.81 -3.10 2.01	41.40 -2.97 1.73
RUSSELL___STATION 23914	42.14 -2.45 0.00	40.86 -1.99 0.00	40.19 -2.14 0.00	39.04 -2.10 0.00	41.61 -2.15 0.00	41.11 -1.86 0.00	52.86 -2.34 0.00	54.64 -2.61 0.00	40.21 -1.87 0.00	29.80 -1.76 0.06	32.10 -2.06 0.00	29.70 -2.05 0.00	29.16 -1.82 0.00	23.93 -1.64 0.00	23.32 -1.78 0.00	30.57 -2.41 0.01	46.98 -3.13 0.01	39.83 -2.27 0.00	38.92 -2.25 0.02	26.72 -4.29 40.82	28.74 -2.97 14.22	37.54 -3.25 5.90	41.81 -3.10 2.01	41.40 -2.97 1.73
S SALMON___HYD 24043	43.24 -1.35 0.00	41.48 -1.38 0.00	40.83 -1.50 0.00	39.65 -1.49 0.00	42.25 -1.51 0.00	41.62 -1.35 0.00	53.94 -1.26 0.00	56.11 -1.14 0.00	41.06 -1.02 0.00	30.49 -1.12 0.00	32.75 -1.40 0.00	30.43 -1.32 0.00	29.70 -1.27 0.00	24.48 -1.10 0.00	23.97 -1.14 0.00	31.56 -1.43 0.00	48.42 -1.70 0.00	41.15 -0.95 0.00	40.37 -0.82 0.00	78.11 -1.54 -7.82	47.35 -1.07 -2.49	45.84 -1.19 -0.34	45.69 -1.23 0.00	44.82 -1.29 0.00
S.PERRY___115KV_TB1 80734	42.70 -1.89 0.00	41.10 -1.76 0.00	40.57 -1.76 0.00	39.37 -1.77 0.00	42.21 -1.54 0.00	41.79 -1.18 0.00	54.28 -0.92 0.00	56.67 -0.58 0.00	41.24 -0.84 0.00	30.16 -1.41 0.04	32.41 -1.74 0.00	29.87 -1.88 0.00	29.21 -1.76 0.00	23.92 -1.65 0.00	23.34 -1.76 0.00	30.79 -2.20 0.01	47.71 -2.40 0.01	41.35 -0.75 0.00	40.66 -0.51 0.02	90.53 -1.46 -20.16	50.43 -1.04 -5.53	42.99 -1.51 2.17	43.82 -1.59 1.51	43.14 -1.67 1.30
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	40.41 -4.19 0.00	39.47 -3.39 0.00	38.78 -3.55 0.00	37.63 -3.51 0.00	40.09 -3.68 0.00	39.57 -3.39 0.00	50.50 -4.70 0.00	52.05 -5.20 0.00	38.54 -3.54 0.00	28.60 -2.96 0.05	30.74 -3.42 0.00	28.39 -3.37 0.00	28.01 -2.96 0.00	22.93 -2.64 0.00	22.26 -2.85 0.00	29.08 -3.90 0.01	44.53 -5.58 0.01	37.70 -4.40 0.00	36.74 -4.43 0.02	37.27 -8.26 26.30	31.13 -5.53 9.27	35.91 -5.79 4.97	39.65 -5.38 1.89	39.48 -5.00 1.63
SAWYER___23_KV_LOAD 55526	40.41 -4.19 0.00	39.47 -3.39 0.00	38.78 -3.55 0.00	37.63 -3.51 0.00	40.09 -3.68 0.00	39.57 -3.39 0.00	50.50 -4.70 0.00	52.05 -5.20 0.00	38.54 -3.54 0.00	28.60 -2.96 0.05	30.74 -3.42 0.00	28.39 -3.37 0.00	28.01 -2.96 0.00	22.93 -2.64 0.00	22.26 -2.85 0.00	29.08 -3.90 0.01	44.53 -5.58 0.01	37.70 -4.40 0.00	36.74 -4.43 0.02	37.27 -8.26 26.30	31.13 -5.53 9.27	35.91 -5.79 4.97	39.65 -5.38 1.89	39.48 -5.00 1.63
SELKIRK___I 23801	45.84 1.25 0.00	43.97 1.12 0.00	43.49 1.17 0.00	42.32 1.19 0.00	45.02 1.26 0.00	44.22 1.26 0.00	57.15 1.95 0.00	59.27 2.03 0.00	43.26 1.18 0.00	32.21 0.60 0.00	34.79 0.64 0.00	32.40 0.64 0.00	31.56 0.58 0.00	26.11 0.53 0.00	25.70 0.60 0.00	33.88 0.89 0.00	51.59 1.47 0.00	43.40 1.30 0.00	42.43 1.24 0.00	73.83 2.00 0.00	47.17 1.23 0.00	47.66 0.99 0.00	47.81 0.89 0.00	47.06 0.95 0.00
SELKIRK___II 23799	45.58 0.99 0.00	43.68 0.83 0.00	43.19 0.86 0.00	42.02 0.89 0.00	44.69 0.93 0.00	43.91 0.94 0.00	56.80 1.60 0.00	58.99 1.73 0.00	43.17 1.09 0.00	32.24 0.63 0.00	34.86 0.70 0.00	32.45 0.70 0.00	31.60 0.62 0.00	26.14 0.57 0.00	25.74 0.63 0.00	33.84 0.85 0.00	51.34 1.23 0.00	43.18 1.08 0.00	42.23 1.04 0.00	73.46 1.62 0.00	46.94 1.01 0.00	47.40 0.72 0.00	47.55 0.63 0.00	46.79 0.68 0.00
SENECA OSWGO___HYD 24041	42.72 -1.87 0.00	41.07 -1.79 0.00	40.51 -1.82 0.00	39.38 -1.75 0.00	41.96 -1.80 0.00	41.37 -1.59 0.00	53.44 -1.76 0.00	55.59 -1.66 0.00	41.00 -1.08 0.00	30.33 -1.29 -0.01	32.68 -1.47 0.00	30.36 -1.40 0.00	29.64 -1.34 0.00	24.45 -1.12 0.00	23.99 -1.11 0.00	31.56 -1.44 0.00	48.18 -1.94 0.00	40.73 -1.37 0.00	39.89 -1.30 0.00	79.73 -2.42 -10.31	47.70 -1.67 -3.43	45.78 -1.87 -0.97	45.22 -1.96 -0.25	44.38 -1.94 -0.22

SENECA___115KV_TB3 355854	40.95 -3.64 0.00	39.94 -2.92 0.00	39.27 -3.06 0.00	38.09 -3.05 0.00	40.60 -3.16 0.00	40.10 -2.87 0.00	51.32 -3.88 0.00	53.00 -4.25 0.00	39.18 -2.90 0.00	29.06 -2.50 0.05	31.23 -2.92 0.00	28.86 -2.89 0.00	28.46 -2.51 0.00	23.28 -2.29 0.00	22.60 -2.50 0.00	29.56 -3.42 0.01	45.31 -4.80 0.01	38.36 -3.74 0.00	37.39 -3.77 0.02	41.11 -7.15 23.58	32.70 -4.83 8.40	36.80 -5.11 4.77	40.33 -4.75 1.85	40.10 -4.41 1.59
SENECA___ENERGY 23797	43.12 -1.47 0.00	41.49 -1.37 0.00	40.95 -1.38 0.00	39.74 -1.39 0.00	42.47 -1.28 0.00	41.98 -0.99 0.00	54.38 -0.82 0.00	56.67 -0.58 0.00	41.44 -0.64 0.00	30.72 -0.87 0.03	33.05 -1.10 0.00	30.60 -1.15 0.00	29.88 -1.09 0.00	24.57 -1.00 0.00	24.07 -1.03 0.00	31.72 -1.27 0.00	48.67 -1.45 0.00	41.40 -0.70 0.00	40.59 -0.59 0.01	213.92 -1.16 -143.25	89.98 -0.99 -45.04	49.78 -1.33 -4.43	44.60 -1.39 0.93	43.91 -1.40 0.80
SHOEMAKER___GT 23640	45.94 1.35 0.00	44.00 1.15 0.00	43.43 1.10 0.00	42.25 1.11 0.00	44.97 1.21 0.00	44.27 1.31 0.00	57.43 2.23 0.00	59.87 2.62 0.00	43.85 1.77 0.00	32.70 1.08 0.00	35.37 1.21 0.00	32.92 1.16 0.00	32.02 1.05 0.00	26.44 0.87 0.00	26.00 0.90 0.00	34.19 1.20 0.00	52.01 1.89 0.00	44.05 1.94 0.00	43.29 2.10 0.00	75.11 3.27 0.00	47.97 2.03 0.00	48.32 1.64 0.00	48.50 1.58 0.00	47.62 1.52 0.00
SHOEMAKR_138KV_BK 111 55601	45.93 1.34 0.00	43.99 1.14 0.00	43.40 1.07 0.00	42.23 1.09 0.00	44.95 1.19 0.00	44.25 1.28 0.00	57.41 2.21 0.00	59.86 2.61 0.00	43.85 1.77 0.00	32.71 1.10 0.00	35.40 1.24 0.00	32.94 1.19 0.00	32.05 1.07 0.00	26.46 0.88 0.00	26.02 0.92 0.00	34.21 1.21 0.00	52.03 1.91 0.00	44.04 1.94 0.00	43.27 2.08 0.00	75.10 3.27 0.00	47.96 2.03 0.00	48.32 1.64 0.00	48.49 1.58 0.00	47.61 1.51 0.00
SHOREHAM_IC_1 23715	47.62 3.03 0.00	45.66 2.80 0.00	45.17 2.84 0.00	43.95 2.82 0.00	46.74 2.98 0.00	46.19 3.23 0.00	60.33 5.13 0.00	63.01 5.76 0.00	46.08 4.00 0.00	34.12 2.51 0.00	37.00 2.85 0.00	34.46 2.69 -0.02	33.44 2.46 0.00	27.61 2.04 0.00	29.62 2.19 -2.33	83.04 3.03 -47.02	59.82 4.85 -4.84	47.12 4.43 -0.58	51.41 4.99 -5.24	88.67 7.97 -8.86	83.32 5.00 -32.39	60.93 4.29 -9.97	59.12 4.06 -8.14	51.57 4.04 -1.43
SHOREHAM_IC_2 23716	47.62 3.03 0.00	45.66 2.80 0.00	45.17 2.84 0.00	43.95 2.82 0.00	46.74 2.98 0.00	46.19 3.23 0.00	60.33 5.13 0.00	63.01 5.76 0.00	46.08 4.00 0.00	34.12 2.51 0.00	37.00 2.85 0.00	34.46 2.69 -0.02	33.44 2.46 0.00	27.61 2.04 0.00	29.62 2.19 -2.33	83.04 3.03 -47.02	59.82 4.85 -4.84	47.12 4.43 -0.58	51.41 4.99 -5.24	88.67 7.97 -8.86	83.32 5.00 -32.39	60.93 4.29 -9.97	59.12 4.06 -8.14	51.57 4.04 -1.43
SISSONVILLE____ 23735	45.02 0.43 0.00	43.48 0.63 0.00	43.06 0.73 0.00	41.73 0.60 0.00	44.32 0.56 0.00	43.29 0.33 0.00	54.78 -0.42 0.00	56.55 -0.69 0.00	41.70 -0.38 0.00	31.53 -0.08 0.00	33.92 -0.23 0.00	31.44 -0.31 0.00	30.75 -0.22 0.00	25.40 -0.18 0.00	24.86 -0.24 0.00	32.68 -0.31 0.00	49.76 -0.36 0.00	41.78 -0.33 0.00	40.76 -0.43 0.00	71.69 -0.14 0.00	45.97 0.03 0.00	47.13 0.45 0.00	47.44 0.52 0.00	46.97 0.86 0.00
SITHE_IND_GS1 24169	42.30 -2.28 0.01	40.69 -2.16 0.00	40.14 -2.19 0.00	39.01 -2.13 0.00	41.57 -2.19 0.00	40.91 -2.05 0.00	52.77 -2.43 0.00	54.79 -2.46 0.00	40.20 -1.88 0.00	29.79 -1.57 0.25	32.41 -1.74 0.00	30.10 -1.65 0.00	29.37 -1.60 0.00	24.25 -1.32 0.00	23.80 -1.31 0.00	31.20 -1.74 0.05	47.60 -2.48 0.04	40.20 -1.91 0.00	39.24 -1.84 0.10	53.64 -3.31 14.88	33.56 -2.20 10.18	25.35 -2.36 18.97	35.50 -2.42 9.00	35.97 -2.39 7.74
SITHE_IND_GS2 24170	42.30 -2.28 0.01	40.69 -2.16 0.00	40.14 -2.19 0.00	39.01 -2.13 0.00	41.57 -2.19 0.00	40.91 -2.05 0.00	52.77 -2.43 0.00	54.79 -2.46 0.00	40.20 -1.88 0.00	29.79 -1.57 0.25	32.41 -1.74 0.00	30.10 -1.65 0.00	29.37 -1.60 0.00	24.25 -1.32 0.00	23.80 -1.31 0.00	31.20 -1.74 0.05	47.60 -2.48 0.04	40.20 -1.91 0.00	39.24 -1.84 0.10	53.64 -3.31 14.88	33.56 -2.20 10.18	25.35 -2.36 18.97	35.50 -2.42 9.00	35.97 -2.39 7.74
SITHE_IND_GS3 24171	42.30 -2.28 0.01	40.69 -2.16 0.00	40.14 -2.19 0.00	39.01 -2.13 0.00	41.57 -2.19 0.00	40.91 -2.05 0.00	52.77 -2.43 0.00	54.79 -2.46 0.00	40.20 -1.88 0.00	29.79 -1.57 0.25	32.41 -1.74 0.00	30.10 -1.65 0.00	29.37 -1.60 0.00	24.25 -1.32 0.00	23.80 -1.31 0.00	31.20 -1.74 0.05	47.60 -2.48 0.04	40.20 -1.91 0.00	39.24 -1.84 0.10	53.64 -3.31 14.88	33.56 -2.20 10.18	25.35 -2.36 18.97	35.50 -2.42 9.00	35.97 -2.39 7.74
SITHE_IND_GS4 24172	42.30 -2.28 0.01	40.69 -2.16 0.00	40.14 -2.19 0.00	39.01 -2.13 0.00	41.57 -2.19 0.00	40.91 -2.05 0.00	52.77 -2.43 0.00	54.79 -2.46 0.00	40.20 -1.88 0.00	29.79 -1.57 0.25	32.41 -1.74 0.00	30.10 -1.65 0.00	29.37 -1.60 0.00	24.25 -1.32 0.00	23.80 -1.31 0.00	31.20 -1.74 0.05	47.60 -2.48 0.04	40.20 -1.91 0.00	39.24 -1.84 0.10	53.64 -3.31 14.88	33.56 -2.20 10.18	25.35 -2.36 18.97	35.50 -2.42 9.00	35.97 -2.39 7.74
SITHE___BATAVIA 24024	41.74 -2.85 0.00	40.65 -2.20 0.00	39.91 -2.42 0.00	38.75 -2.38 0.00	41.32 -2.44 0.00	40.91 -2.05 0.00	52.46 -2.74 0.00	54.19 -3.06 0.00	39.95 -2.13 0.00	29.40 -2.15 0.06	31.50 -2.65 0.00	29.05 -2.70 0.00	28.61 -2.36 0.00	23.47 -2.10 0.00	22.73 -2.37 0.00	29.95 -3.03 0.01	46.02 -4.09 0.01	39.21 -2.90 0.00	38.28 -2.88 0.02	32.51 -5.50 33.83	30.37 -3.74 11.82	37.19 -4.06 5.43	41.20 -3.78 1.94	40.80 -3.63 1.67
SITHE___INDEPEND 23800	42.30 -2.28 0.01	40.69 -2.17 0.00	40.14 -2.19 0.00	39.01 -2.13 0.00	41.57 -2.19 0.00	40.92 -2.05 0.00	52.77 -2.44 0.00	54.79 -2.46 0.00	40.20 -1.88 0.00	29.79 -1.56 0.25	32.40 -1.75 0.00	30.10 -1.65 0.00	29.37 -1.60 0.00	24.25 -1.32 0.00	23.80 -1.31 0.00	31.19 -1.74 0.05	47.60 -2.49 0.04	40.20 -1.91 0.00	39.24 -1.84 0.10	53.63 -3.32 14.88	33.55 -2.21 10.18	25.33 -2.38 18.97	35.50 -2.42 9.00	35.97 -2.39 7.74
SITHE___MASSENA 23902	45.36 0.76 0.00	43.82 0.97 0.00	43.38 1.05 0.00	42.07 0.93 0.00	44.67 0.92 0.00	43.69 0.73 0.00	55.39 0.19 0.00	57.14 -0.10 0.00	42.22 0.13 0.00	32.01 0.39 0.00	34.52 0.37 0.00	32.08 0.33 0.00	31.39 0.42 0.00	25.91 0.34 0.00	25.34 0.24 0.00	33.29 0.30 0.00	50.50 0.38 0.00	42.24 0.13 0.00	41.15 -0.03 0.00	72.33 0.49 0.00	46.38 0.44 0.00	47.57 0.89 0.00	47.90 0.98 0.00	47.15 1.05 0.00
SITHE___OGDNSBRG 24021	45.98 1.39 0.00	44.48 1.63 0.00	44.03 1.71 0.00	42.72 1.58 0.00	45.43 1.67 0.00	44.52 1.56 0.00	56.47 1.28 0.00	58.13 0.88 0.00	42.70 0.62 0.00	32.24 0.63 0.00	34.69 0.54 0.00	32.38 0.63 0.00	31.75 0.77 0.00	26.24 0.66 0.00	25.49 0.39 0.00	33.48 0.49 0.00	51.01 0.89 0.00	42.95 0.85 0.00	41.97 0.78 0.00	73.95 2.12 0.00	47.34 1.41 0.00	48.53 1.85 0.00	48.80 1.88 0.00	48.08 1.97 0.00

SITHE___STERLING 23777	45.44 0.85 0.00	43.65 0.79 0.00	43.05 0.72 0.00	41.84 0.70 0.00	44.59 0.84 0.00	43.96 0.99 0.00	56.99 1.79 0.00	59.25 2.01 0.00	43.29 1.21 0.00	32.13 0.53 0.02	34.59 0.43 0.00	32.10 0.34 0.00	31.28 0.30 0.00	25.80 0.23 0.00	25.32 0.22 0.00	33.40 0.41 0.00	51.24 1.13 0.00	43.43 1.33 0.00	42.56 1.38 0.01	73.11 2.25 0.97	46.58 1.31 0.67	46.55 1.11 1.24	47.33 1.00 0.59	46.48 0.88 0.51
SLEIGHT__34_KV_TB1 80719	42.38 -2.21 0.00	40.92 -1.94 0.00	40.30 -2.03 0.00	39.15 -1.98 0.00	41.76 -2.01 0.00	41.26 -1.70 0.00	53.24 -1.96 0.00	55.29 -1.96 0.00	40.58 -1.50 0.00	30.11 -1.45 0.05	32.44 -1.72 0.00	30.04 -1.71 0.00	29.42 -1.55 0.00	24.19 -1.39 0.00	23.65 -1.46 0.00	31.06 -1.92 0.01	47.74 -2.37 0.01	40.44 -1.67 0.00	39.51 -1.66 0.02	25.60 -3.17 43.05	28.97 -2.24 14.73	38.87 -2.52 5.29	42.74 -2.52 1.67	42.21 -2.47 1.44
SOUTH CAIRO___GT 23612	47.74 3.15 0.00	45.74 2.89 0.00	45.25 2.93 0.00	44.05 2.91 0.00	46.89 3.13 0.00	46.15 3.18 0.00	59.79 4.59 0.00	62.11 4.85 0.00	45.11 3.03 0.00	33.18 1.56 0.00	35.56 1.41 0.00	33.01 1.25 0.00	32.14 1.17 0.00	26.62 1.04 0.00	26.26 1.16 0.00	34.80 1.81 0.00	53.45 3.33 0.00	45.29 3.19 0.00	44.35 3.16 0.00	77.09 5.25 0.00	49.12 3.19 0.00	49.55 2.87 0.00	49.52 2.60 0.00	48.62 2.52 0.00
SOUTH HAMPTN___IC 23720	47.92 3.33 0.00	45.93 3.08 0.00	45.45 3.12 0.00	44.25 3.11 0.00	47.08 3.32 0.00	46.54 3.57 0.00	60.82 5.62 0.00	63.51 6.26 0.00	46.39 4.31 0.00	34.32 2.71 0.00	37.21 3.06 0.00	34.68 2.90 -0.02	33.63 2.66 0.00	27.75 2.17 0.00	29.75 2.31 -2.33	83.18 3.17 -47.02	60.12 5.16 -4.84	47.39 4.70 -0.58	51.71 5.29 -5.24	89.24 8.54 -8.86	83.70 5.37 -32.39	61.29 4.64 -9.97	59.41 4.35 -8.14	51.86 4.33 -1.43
SOUTHDOW_115KV_TB1 355954	42.93 -1.66 0.00	41.63 -1.22 0.00	40.86 -1.47 0.00	39.85 -1.28 0.00	42.46 -1.30 0.00	41.86 -1.11 0.00	54.17 -1.03 0.00	56.28 -0.97 0.00	41.54 -0.54 0.00	30.76 -0.80 0.05	33.11 -1.05 0.00	30.68 -1.07 0.00	30.25 -0.72 0.00	24.70 -0.87 0.00	23.99 -1.11 0.00	31.46 -1.52 0.01	48.36 -1.75 0.01	40.88 -1.22 0.00	39.74 -1.43 0.02	55.61 -3.03 13.19	38.70 -2.19 5.05	40.09 -2.51 4.08	42.96 -2.22 1.73	42.62 -2.00 1.49
SOUTHOLD_69_KV_BK 2 55809	48.23 3.65 0.00	46.18 3.33 0.00	45.75 3.42 0.00	44.57 3.44 0.00	47.42 3.66 0.00	46.93 3.96 0.00	61.45 6.25 0.00	64.19 6.94 0.00	46.78 4.70 0.00	34.55 2.94 0.00	37.44 3.29 0.00	34.92 3.14 -0.02	33.87 2.89 0.00	27.88 2.31 0.00	29.86 2.43 -2.33	83.32 3.31 -47.02	60.49 5.53 -4.84	47.78 5.09 -0.58	52.15 5.73 -5.24	90.05 9.36 -8.86	84.26 5.93 -32.39	61.79 5.14 -9.97	59.81 4.76 -8.14	52.22 4.68 -1.43
SOUTHOLD___IC 23719	48.24 3.64 0.00	46.18 3.33 0.00	45.75 3.42 0.00	44.57 3.44 0.00	47.42 3.66 0.00	46.93 3.96 0.00	61.44 6.24 0.00	64.19 6.94 0.00	46.78 4.70 0.00	34.55 2.94 0.00	37.44 3.29 0.00	34.92 3.15 -0.02	33.87 2.89 0.00	27.88 2.31 0.00	29.86 2.43 -2.33	83.31 3.30 -47.02	60.49 5.52 -4.84	47.77 5.08 -0.58	52.15 5.73 -5.24	90.05 9.35 -8.86	84.25 5.92 -32.39	61.78 5.13 -9.97	59.79 4.74 -8.14	52.21 4.67 -1.43
SOUTH_FORK_WT_PWR 323839	48.03 3.44 0.00	45.94 3.09 0.00	45.54 3.21 0.00	44.40 3.27 0.00	47.23 3.47 0.00	46.76 3.79 0.00	61.25 6.05 0.00	63.99 6.75 0.00	46.60 4.52 0.00	34.41 2.80 0.00	37.30 3.15 0.00	34.83 3.06 -0.02	33.76 2.79 0.00	27.77 2.20 0.00	29.74 2.31 -2.33	83.10 3.09 -47.02	60.21 5.25 -4.84	47.54 4.85 -0.58	51.95 5.52 -5.24	89.74 9.05 -8.86	84.11 5.79 -32.39	61.61 4.96 -9.97	59.59 4.54 -8.14	52.01 4.48 -1.43
SPIERFLS_115KV_TB 1 80737	45.34 0.75 0.00	43.35 0.50 0.00	42.98 0.66 0.00	41.81 0.67 0.00	44.51 0.75 0.00	43.80 0.83 0.00	57.02 1.82 0.00	59.26 2.01 0.00	43.14 1.06 0.00	32.33 0.72 0.00	34.86 0.71 0.00	32.41 0.66 0.00	31.62 0.64 0.00	25.97 0.40 0.00	25.57 0.46 0.00	33.79 0.80 0.00	51.62 1.50 0.00	43.47 1.36 0.00	42.75 1.56 0.00	74.39 2.56 0.00	47.33 1.40 0.00	47.70 1.02 0.00	47.58 0.66 0.00	46.74 0.64 0.00
ST LAWRENCE____ 23600	44.92 0.33 0.00	43.37 0.52 0.00	42.93 0.60 0.00	41.62 0.49 0.00	44.20 0.44 0.00	43.24 0.28 0.00	54.83 -0.37 0.00	56.58 -0.67 0.00	41.83 -0.25 0.00	31.74 0.13 0.00	34.26 0.11 0.00	31.84 0.09 0.00	31.14 0.17 0.00	25.71 0.13 0.00	25.15 0.05 0.00	33.03 0.03 0.00	50.05 -0.06 0.00	41.83 -0.27 0.00	40.75 -0.43 0.00	71.58 -0.26 0.00	45.92 -0.02 0.00	47.09 0.42 0.00	47.42 0.50 0.00	46.64 0.53 0.00
STATE_CA_115KV_115_LB 55624	45.68 1.09 0.00	43.77 0.91 0.00	43.27 0.94 0.00	42.12 0.98 0.00	44.79 1.03 0.00	44.02 1.05 0.00	57.01 1.81 0.00	59.18 1.93 0.00	43.30 1.22 0.00	32.33 0.72 0.00	34.97 0.82 0.00	32.56 0.81 0.00	31.71 0.73 0.00	26.25 0.68 0.00	25.86 0.76 0.00	34.00 1.01 0.00	51.58 1.46 0.00	43.29 1.19 0.00	42.25 1.06 0.00	73.47 1.64 0.00	46.95 1.02 0.00	47.40 0.73 0.00	47.49 0.57 0.00	46.72 0.62 0.00
STATE_ST_34_KV_LOAD 55959	43.66 -0.93 0.00	41.96 -0.89 0.00	41.42 -0.91 0.00	40.22 -0.92 0.00	42.91 -0.85 0.00	42.35 -0.61 0.00	54.80 -0.39 0.00	57.01 -0.24 0.00	41.72 -0.37 0.00	30.99 -0.60 0.02	33.39 -0.77 0.00	30.97 -0.78 0.00	30.22 -0.76 0.00	24.89 -0.68 0.00	24.42 -0.69 0.00	32.15 -0.83 0.00	49.28 -0.84 0.00	41.72 -0.38 0.00	40.87 -0.31 0.01	132.59 -0.69 -61.44	64.41 -0.61 -19.08	46.91 -0.88 -1.11	45.18 -0.95 0.79	44.45 -0.98 0.68
STATION 5_MISC_HYD 23604	41.94 -2.66 0.00	40.66 -2.19 0.00	40.01 -2.32 0.00	38.86 -2.27 0.00	41.42 -2.34 0.00	40.91 -2.05 0.00	52.57 -2.62 0.00	54.33 -2.92 0.00	40.00 -2.08 0.00	29.66 -1.90 0.06	31.96 -2.20 0.00	29.56 -2.19 0.00	29.03 -1.95 0.00	23.82 -1.75 0.00	23.21 -1.90 0.00	30.45 -2.53 0.01	46.73 -3.38 0.01	39.59 -2.51 0.00	38.67 -2.49 0.02	26.34 -4.68 40.82	28.53 -3.18 14.22	37.35 -3.43 5.90	41.62 -3.29 2.01	41.21 -3.17 1.73
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	42.88 -1.71 0.00	41.46 -1.40 0.00	40.86 -1.47 0.00	39.69 -1.45 0.00	42.36 -1.40 0.00	41.86 -1.11 0.00	54.10 -1.10 0.00	56.58 -0.67 0.00	41.41 -0.67 0.00	30.68 -0.89 0.04	33.03 -1.13 0.00	30.57 -1.18 0.00	29.90 -1.08 0.00	24.56 -1.01 0.00	24.04 -1.06 0.00	31.61 -1.37 0.01	48.64 -1.47 0.01	41.29 -0.81 0.00	40.39 -0.78 0.02	-23.33 -1.61 93.55	14.05 -1.28 30.61	38.17 -1.62 6.89	43.89 -1.68 1.36	43.32 -1.62 1.17
STA_56_34_KV_BUS2_REV_LBMP_B 345033	41.83 -2.76 0.00	40.53 -2.33 0.00	39.89 -2.43 0.00	38.75 -2.38 0.00	41.31 -2.45 0.00	40.80 -2.17 0.00	52.47 -2.73 0.00	54.26 -2.99 0.00	39.94 -2.14 0.00	29.63 -1.93 0.06	31.91 -2.24 0.00	29.54 -2.21 0.00	28.99 -1.98 0.00	23.80 -1.77 0.00	23.21 -1.89 0.00	30.43 -2.55 0.01	46.73 -3.38 0.01	39.59 -2.52 0.00	38.67 -2.49 0.02	16.70 -4.69 50.44	25.45 -3.22 17.27	36.92 -3.50 6.26	41.57 -3.37 1.98	41.16 -3.24 1.71

STA_56___34_KV_BUS2 355983	41.83 -2.76 0.00	40.53 -2.33 0.00	39.89 -2.43 0.00	38.75 -2.38 0.00	41.31 -2.45 0.00	40.80 -2.17 0.00	52.47 -2.73 0.00	54.26 -2.99 0.00	39.94 -2.14 0.00	29.63 -1.93 0.06	31.91 -2.24 0.00	29.54 -2.21 0.00	28.99 -1.98 0.00	23.80 -1.77 0.00	23.21 -1.89 0.00	30.43 -2.55 0.01	46.73 -3.38 0.01	39.59 -2.52 0.00	38.67 -2.49 0.02	16.70 -4.69 50.44	25.45 -3.22 17.27	36.92 -3.50 6.26	41.57 -3.37 1.98	41.16 -3.24 1.71
STA_67___115KV_BK2 355882	41.86 -2.73 0.00	40.58 -2.27 0.00	39.94 -2.39 0.00	38.79 -2.34 0.00	41.35 -2.41 0.00	40.83 -2.13 0.00	52.44 -2.76 0.00	54.19 -3.06 0.00	39.90 -2.17 0.00	29.59 -1.96 0.06	31.87 -2.28 0.00	29.50 -2.26 0.00	28.97 -2.01 0.00	23.77 -1.80 0.00	23.17 -1.93 0.00	30.37 -2.61 0.01	46.61 -3.50 0.01	39.49 -2.61 0.00	38.57 -2.60 0.02	26.22 -4.91 40.71	28.40 -3.34 14.19	37.19 -3.59 5.90	41.47 -3.43 2.02	41.10 -3.27 1.73
STA_7___115KV_9TRANS 80674	42.14 -2.45 0.00	40.86 -1.99 0.00	40.19 -2.14 0.00	39.04 -2.10 0.00	41.61 -2.15 0.00	41.11 -1.86 0.00	52.86 -2.34 0.00	54.64 -2.61 0.00	40.21 -1.87 0.00	29.80 -1.76 0.06	32.10 -2.06 0.00	29.70 -2.05 0.00	29.16 -1.82 0.00	23.93 -1.64 0.00	23.32 -1.78 0.00	30.57 -2.41 0.01	46.98 -3.13 0.01	39.83 -2.27 0.00	38.92 -2.25 0.02	26.72 -4.29 40.82	28.74 -2.97 14.22	37.54 -3.25 5.90	41.81 -3.10 2.01	41.40 -2.97 1.73
STA_82___115KV_TB1 80780	41.87 -2.72 0.00	40.60 -2.25 0.00	39.95 -2.38 0.00	38.80 -2.34 0.00	41.35 -2.40 0.00	40.83 -2.13 0.00	52.48 -2.72 0.00	54.21 -3.04 0.00	39.91 -2.17 0.00	29.60 -1.96 0.06	31.87 -2.28 0.00	29.50 -2.26 0.00	28.97 -2.01 0.00	23.77 -1.80 0.00	23.17 -1.93 0.00	30.37 -2.61 0.01	46.61 -3.50 0.01	39.51 -2.60 0.00	38.58 -2.59 0.02	25.63 -4.88 41.32	28.23 -3.33 14.37	37.20 -3.59 5.89	41.50 -3.42 2.00	41.13 -3.26 1.72
STEEL___WIND 323596	40.87 -3.72 0.00	39.89 -2.97 0.00	39.20 -3.13 0.00	38.02 -3.11 0.00	40.54 -3.22 0.00	40.03 -2.93 0.00	51.24 -3.96 0.00	52.92 -4.33 0.00	39.11 -2.96 0.00	29.00 -2.56 0.05	31.21 -2.95 0.00	28.81 -2.94 0.00	28.42 -2.55 0.00	23.25 -2.32 0.00	22.56 -2.55 0.00	29.57 -3.41 0.01	45.28 -4.83 0.01	38.33 -3.77 0.00	37.35 -3.81 0.02	41.10 -7.15 23.58	32.76 -4.77 8.40	36.84 -5.06 4.77	40.37 -4.70 1.85	40.09 -4.42 1.59
STEPHTWN_115KV_BK_2 55603	46.07 1.48 0.00	44.10 1.25 0.00	43.61 1.28 0.00	42.43 1.30 0.00	45.16 1.40 0.00	44.45 1.48 0.00	57.65 2.45 0.00	59.81 2.56 0.00	43.64 1.56 0.00	32.53 0.92 0.00	35.12 0.97 0.00	32.71 0.96 0.00	31.82 0.85 0.00	26.32 0.75 0.00	25.96 0.86 0.00	34.23 1.24 0.00	51.98 1.86 0.00	43.71 1.61 0.00	42.72 1.54 0.00	74.35 2.52 0.00	47.42 1.49 0.00	47.87 1.19 0.00	47.92 1.00 0.00	47.12 1.02 0.00
STEUBEN_REC_LFGE 323667	43.51 -1.08 0.00	41.76 -1.10 0.00	41.47 -0.86 0.00	40.13 -1.01 0.00	43.27 -0.49 0.00	42.64 -0.33 0.00	55.56 0.36 0.00	58.27 1.02 0.00	42.31 0.23 0.00	31.31 -0.27 0.03	33.69 -0.46 0.00	31.28 -0.48 0.00	30.55 -0.43 0.00	24.97 -0.60 0.00	24.44 -0.67 0.00	32.44 -0.54 0.01	50.11 0.00 0.01	42.82 0.72 0.00	42.09 0.92 0.01	137.02 1.45 -63.74	66.15 0.57 -19.65	47.23 0.08 -0.48	45.84 0.07 1.15	45.04 -0.08 0.99
STILLWATER___SOLAR 323814	46.14 1.55 0.00	44.18 1.33 0.00	43.73 1.40 0.00	42.55 1.41 0.00	45.28 1.52 0.00	44.55 1.58 0.00	57.80 2.60 0.00	60.02 2.77 0.00	43.77 1.69 0.00	32.66 1.05 0.00	35.23 1.08 0.00	32.74 0.99 0.00	31.91 0.93 0.00	26.35 0.78 0.00	25.95 0.85 0.00	34.25 1.25 0.00	52.25 2.13 0.00	44.01 1.91 0.00	43.19 2.01 0.00	75.15 3.32 0.00	47.94 2.00 0.00	48.34 1.67 0.00	48.37 1.45 0.00	47.56 1.45 0.00
STONY___BROOK 24151	47.65 3.06 0.00	45.66 2.80 0.00	45.11 2.78 0.00	43.88 2.74 0.00	46.69 2.92 0.00	46.06 3.09 0.00	59.93 4.73 0.00	62.58 5.33 0.00	45.88 3.80 0.00	34.05 2.44 0.00	36.97 2.82 0.00	34.45 2.68 -0.02	33.43 2.45 0.00	27.61 2.04 0.00	29.62 2.19 -2.33	82.99 2.98 -47.02	59.60 4.64 -4.84	46.80 4.11 -0.58	51.09 4.66 -5.24	88.16 7.46 -8.86	82.95 4.63 -32.39	60.49 3.84 -9.97	58.80 3.75 -8.14	51.29 3.75 -1.43
STURGEON_POOL_HYD 23609	46.37 1.78 0.00	44.38 1.52 0.00	43.77 1.44 0.00	42.60 1.46 0.00	45.32 1.56 0.00	44.63 1.67 0.00	58.00 2.80 0.00	60.56 3.31 0.00	44.41 2.33 0.00	33.20 1.59 0.00	35.94 1.78 0.00	33.45 1.70 0.00	32.49 1.51 0.00	26.82 1.25 0.00	26.40 1.29 0.00	34.70 1.71 0.00	52.67 2.56 0.00	44.62 2.52 0.00	43.93 2.75 0.00	76.18 4.35 0.00	48.67 2.73 0.00	48.93 2.25 0.00	49.08 2.17 0.00	48.21 2.10 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	46.09 1.50 0.00	44.14 1.28 0.00	43.55 1.22 0.00	42.37 1.23 0.00	45.10 1.34 0.00	44.41 1.45 0.00	57.68 2.48 0.00	60.19 2.94 0.00	44.10 2.02 0.00	32.89 1.28 0.00	35.61 1.46 0.00	33.16 1.41 0.00	32.26 1.29 0.00	26.63 1.06 0.00	26.18 1.08 0.00	34.42 1.43 0.00	52.33 2.22 0.00	44.31 2.21 0.00	43.54 2.36 0.00	75.51 3.68 0.00	48.24 2.30 0.00	48.56 1.88 0.00	48.73 1.81 0.00	47.83 1.72 0.00
SWANROAD_115KV_TB1 355699	39.47 -5.12 0.00	38.58 -4.27 0.00	37.89 -4.44 0.00	36.76 -4.38 0.00	39.13 -4.63 0.00	38.69 -4.27 0.00	49.25 -5.95 0.00	50.63 -6.62 0.00	37.54 -4.54 0.00	27.82 -3.74 0.05	29.82 -4.33 0.00	27.53 -4.23 0.00	27.17 -3.80 0.00	22.27 -3.31 0.00	21.59 -3.51 0.00	28.19 -4.79 0.01	43.17 -6.94 0.01	36.61 -5.49 0.00	35.66 -5.51 0.02	33.15 -10.21 28.48	29.15 -6.77 10.01	34.54 -7.03 5.11	38.47 -6.54 1.91	38.34 -6.13 1.64
SYNERGY___BIOGAS 323694	41.74 -2.85 0.00	40.65 -2.20 0.00	39.91 -2.42 0.00	38.75 -2.38 0.00	41.32 -2.44 0.00	40.91 -2.05 0.00	52.46 -2.74 0.00	54.19 -3.06 0.00	39.95 -2.13 0.00	29.40 -2.15 0.06	31.50 -2.65 0.00	29.05 -2.70 0.00	28.61 -2.36 0.00	23.47 -2.10 0.00	22.73 -2.37 0.00	29.95 -3.03 0.01	46.02 -4.09 0.01	39.21 -2.90 0.00	38.28 -2.88 0.02	32.51 -5.50 33.83	30.37 -3.74 11.82	37.19 -4.06 5.43	41.20 -3.78 1.94	40.80 -3.63 1.67
SYRACUSE___ENERGY_ST1 323597	43.38 -1.20 0.00	41.70 -1.15 0.00	41.13 -1.20 0.00	39.95 -1.19 0.00	42.62 -1.14 0.00	42.02 -0.95 0.00	54.33 -0.87 0.00	56.44 -0.80 0.00	41.31 -0.77 0.00	30.78 -0.82 0.02	33.19 -0.96 0.00	30.83 -0.93 0.00	30.08 -0.89 0.00	24.81 -0.76 0.00	24.33 -0.77 0.00	32.01 -0.98 0.00	48.92 -1.19 0.00	41.36 -0.74 0.00	40.48 -0.70 0.01	95.80 -1.36 -25.33	52.61 -0.99 -7.67	45.26 -1.21 0.20	44.98 -1.29 0.65	44.24 -1.31 0.56
SYRACUSE___ENERGY_ST2 323598	43.38 -1.20 0.00	41.70 -1.15 0.00	41.13 -1.20 0.00	39.95 -1.19 0.00	42.62 -1.14 0.00	42.02 -0.95 0.00	54.33 -0.87 0.00	56.44 -0.80 0.00	41.31 -0.77 0.00	30.78 -0.82 0.02	33.19 -0.96 0.00	30.83 -0.93 0.00	30.08 -0.89 0.00	24.81 -0.76 0.00	24.33 -0.77 0.00	32.01 -0.98 0.00	48.92 -1.19 0.00	41.36 -0.74 0.00	40.48 -0.70 0.01	95.80 -1.36 -25.33	52.61 -0.99 -7.67	45.26 -1.21 0.20	44.98 -1.29 0.65	44.24 -1.31 0.56

SYRACUSE___POWER 24017	43.35 -1.24 0.00	41.66 -1.19 0.00	41.08 -1.25 0.00	39.91 -1.22 0.00	42.56 -1.20 0.00	41.97 -1.00 0.00	54.28 -0.92 0.00	56.42 -0.83 0.00	41.31 -0.77 0.00	30.75 -0.83 0.03	33.16 -1.00 0.00	30.80 -0.95 0.00	30.05 -0.92 0.00	24.78 -0.79 0.00	24.31 -0.79 0.00	31.97 -1.02 0.00	48.88 -1.23 0.00	41.33 -0.77 0.00	40.48 -0.70 0.01	82.22 -1.37 -11.75	48.07 -1.01 -3.15	43.94 -1.24 1.49	44.61 -1.32 0.98	43.92 -1.34 0.85
TALLMAN___138KV_BK151 55660	46.24 1.66 0.00	44.28 1.42 0.00	43.67 1.34 0.00	42.48 1.35 0.00	45.23 1.47 0.00	44.55 1.58 0.00	57.93 2.73 0.00	60.49 3.24 0.00	44.34 2.26 0.00	33.04 1.43 0.00	35.82 1.67 0.00	33.39 1.63 0.00	32.47 1.50 0.00	26.79 1.22 0.00	26.33 1.23 0.00	34.61 1.61 0.00	52.59 2.47 0.00	44.55 2.45 0.00	43.79 2.60 0.00	75.88 4.05 0.00	48.49 2.55 0.00	48.79 2.11 0.00	48.97 2.05 0.00	48.03 1.93 0.00
TEALLAVE_115KV_TB7 355573	42.96 -1.63 0.00	41.30 -1.55 0.00	40.73 -1.60 0.00	39.59 -1.55 0.00	42.20 -1.56 0.00	41.60 -1.36 0.00	53.77 -1.43 0.00	55.89 -1.37 0.00	40.96 -1.12 0.00	30.50 -1.08 0.03	32.90 -1.25 0.00	30.56 -1.20 0.00	29.82 -1.15 0.00	24.60 -0.97 0.00	24.13 -0.97 0.00	31.71 -1.27 0.01	48.45 -1.66 0.00	40.95 -1.16 0.00	40.09 -1.09 0.01	75.38 -2.08 -5.63	45.59 -1.46 -1.11	42.95 -1.68 2.04	44.05 -1.74 1.13	43.39 -1.75 0.97
TELGRAPH_34_KV_EAST 80808	40.84 -3.75 0.00	39.85 -3.00 0.00	39.13 -3.20 0.00	37.98 -3.16 0.00	40.47 -3.29 0.00	40.04 -2.93 0.00	51.17 -4.02 0.00	52.75 -4.50 0.00	38.99 -3.09 0.00	28.81 -2.74 0.05	30.88 -3.27 0.00	28.51 -3.25 0.00	28.11 -2.87 0.00	23.04 -2.53 0.00	22.35 -2.76 0.00	29.30 -3.68 0.01	44.92 -5.19 0.01	38.16 -3.94 0.00	37.21 -3.96 0.02	32.45 -7.44 31.94	29.73 -5.02 11.18	36.06 -5.30 5.31	40.06 -4.92 1.93	39.79 -4.65 1.66
TEMPLE___115KV_TB 2 55572	42.98 -1.61 0.00	41.32 -1.53 0.00	40.75 -1.58 0.00	39.60 -1.53 0.00	42.22 -1.54 0.00	41.62 -1.35 0.00	53.79 -1.41 0.00	55.91 -1.34 0.00	40.97 -1.11 0.00	30.52 -1.06 0.03	32.94 -1.22 0.00	30.59 -1.16 0.00	29.85 -1.12 0.00	24.62 -0.95 0.00	24.15 -0.95 0.00	31.74 -1.24 0.01	48.48 -1.63 0.00	40.98 -1.12 0.00	40.11 -1.07 0.01	75.09 -2.02 -5.27	45.50 -1.42 -0.99	42.95 -1.65 2.08	44.06 -1.72 1.14	43.41 -1.72 0.98
TIANA___69_KV_BK 1 55817	47.87 3.28 0.00	45.89 3.04 0.00	45.40 3.07 0.00	44.19 3.06 0.00	47.01 3.25 0.00	46.45 3.49 0.00	60.70 5.50 0.00	63.40 6.15 0.00	46.32 4.24 0.00	34.27 2.66 0.00	37.16 3.01 0.00	34.63 2.85 -0.02	33.59 2.61 0.00	27.71 2.14 0.00	29.72 2.29 -2.33	83.17 3.16 -47.02	60.06 5.10 -4.84	47.34 4.66 -0.58	51.64 5.22 -5.24	89.13 8.43 -8.86	83.62 5.29 -32.39	61.21 4.56 -9.97	59.37 4.31 -8.14	51.80 4.26 -1.43
TILDEN___115KV_TB1 80814	43.35 -1.24 0.00	41.66 -1.19 0.00	41.08 -1.25 0.00	39.91 -1.22 0.00	42.56 -1.20 0.00	41.97 -1.00 0.00	54.28 -0.92 0.00	56.42 -0.83 0.00	41.31 -0.77 0.00	30.75 -0.83 0.03	33.16 -1.00 0.00	30.80 -0.95 0.00	30.05 -0.92 0.00	24.78 -0.79 0.00	24.31 -0.79 0.00	31.97 -1.02 0.00	48.88 -1.23 0.00	41.33 -0.77 0.00	40.48 -0.70 0.01	82.22 -1.37 -11.75	48.07 -1.01 -3.15	43.94 -1.24 1.49	44.61 -1.32 0.98	43.92 -1.34 0.85
TRIGEN___CC 323695	47.08 2.49 0.00	45.10 2.25 0.00	44.55 2.22 0.00	43.34 2.21 0.00	46.13 2.37 0.00	45.42 2.45 0.00	58.84 3.64 0.00	61.46 4.21 0.00	45.11 3.03 0.00	33.64 2.03 0.00	36.53 2.38 0.00	34.09 2.32 -0.02	33.10 2.12 0.00	27.35 1.78 0.00	29.29 1.86 -2.33	82.45 2.44 -47.02	58.58 3.62 -4.84	45.97 3.28 -0.58	49.94 3.52 -5.23	86.17 5.48 -8.86	81.84 3.51 -32.39	59.66 3.02 -9.97	57.93 2.88 -8.14	50.41 2.88 -1.43
TRINITY___115KV___ 4 BK 55933	45.55 0.96 0.00	43.64 0.78 0.00	43.14 0.82 0.00	42.00 0.86 0.00	44.66 0.90 0.00	43.88 0.91 0.00	56.80 1.60 0.00	58.96 1.71 0.00	43.15 1.07 0.00	32.22 0.61 0.00	34.85 0.69 0.00	32.45 0.69 0.00	31.60 0.63 0.00	26.17 0.60 0.00	25.78 0.67 0.00	33.89 0.90 0.00	51.35 1.23 0.00	43.10 1.00 0.00	42.06 0.87 0.00	73.16 1.33 0.00	46.77 0.83 0.00	47.21 0.54 0.00	47.31 0.39 0.00	46.56 0.45 0.00
UNION___PROCESSING_DRP 323587	41.89 -2.70 0.00	40.61 -2.24 0.00	39.97 -2.36 0.00	38.82 -2.31 0.00	41.37 -2.39 0.00	40.87 -2.10 0.00	52.49 -2.71 0.00	54.22 -3.03 0.00	39.93 -2.15 0.00	29.61 -1.95 0.06	31.87 -2.28 0.00	29.51 -2.25 0.00	28.97 -2.01 0.00	23.78 -1.79 0.00	23.17 -1.93 0.00	30.37 -2.61 0.01	46.64 -3.47 0.01	39.51 -2.59 0.00	38.59 -2.57 0.02	25.35 -4.86 41.62	28.15 -3.32 14.46	37.20 -3.58 5.89	41.51 -3.42 2.00	41.14 -3.25 1.72
UPPER HUDSON___HYD 24058	45.34 0.75 0.00	43.35 0.50 0.00	42.99 0.66 0.00	41.80 0.67 0.00	44.52 0.76 0.00	43.80 0.83 0.00	57.02 1.82 0.00	59.26 2.01 0.00	43.14 1.06 0.00	32.33 0.72 0.00	34.86 0.70 0.00	32.41 0.66 0.00	31.62 0.64 0.00	25.97 0.40 0.00	25.57 0.47 0.00	33.79 0.80 0.00	51.63 1.51 0.00	43.47 1.36 0.00	42.74 1.56 0.00	74.38 2.54 0.00	47.32 1.39 0.00	47.69 1.01 0.00	47.57 0.65 0.00	46.74 0.63 0.00
UPPER RAQUET___HYD 24056	45.02 0.43 0.00	43.48 0.63 0.00	43.06 0.73 0.00	41.73 0.60 0.00	44.32 0.56 0.00	43.29 0.33 0.00	54.78 -0.42 0.00	56.56 -0.69 0.00	41.70 -0.38 0.00	31.53 -0.08 0.00	33.92 -0.23 0.00	31.44 -0.31 0.00	30.75 -0.22 0.00	25.40 -0.18 0.00	24.86 -0.24 0.00	32.69 -0.31 0.00	49.76 -0.36 0.00	41.78 -0.33 0.00	40.76 -0.42 0.00	71.69 -0.14 0.00	45.97 0.03 0.00	47.13 0.45 0.00	47.44 0.52 0.00	46.97 0.86 0.00
VALLEY44_115KV_TB2 355964	42.42 -2.17 0.00	41.04 -1.81 0.00	40.30 -2.03 0.00	39.10 -2.03 0.00	41.73 -2.03 0.00	41.00 -1.96 0.00	52.54 -2.66 0.00	54.45 -2.80 0.00	40.01 -2.07 0.00	29.59 -1.98 0.05	32.07 -2.09 0.00	29.79 -1.96 0.00	29.44 -1.53 0.00	24.12 -1.46 0.00	23.44 -1.67 0.00	30.76 -2.22 0.01	47.20 -2.91 0.01	39.70 -2.40 0.00	38.61 -2.56 0.02	56.00 -5.00 10.84	38.15 -3.51 4.28	38.92 -3.85 3.91	41.70 -3.52 1.70	41.49 -3.15 1.46
VALLEY___115KV_TB 1-4 80826	45.09 0.50 0.00	43.14 0.28 0.00	42.63 0.30 0.00	41.50 0.36 0.00	44.17 0.41 0.00	43.50 0.54 0.00	56.49 1.29 0.00	58.63 1.38 0.00	42.69 0.61 0.00	31.73 0.12 0.00	34.26 0.10 0.00	31.91 0.15 0.00	31.05 0.08 0.00	25.66 0.08 0.00	25.27 0.16 0.00	33.32 0.33 0.00	50.67 0.55 0.00	42.88 0.77 0.00	42.10 0.91 0.00	73.02 1.18 0.00	46.71 0.78 0.00	47.20 0.52 0.00	47.18 0.26 0.00	46.33 0.22 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	46.40 1.81 0.00	44.57 1.71 0.00	43.98 1.65 0.00	42.76 1.62 0.00	45.59 1.83 0.00	44.92 1.96 0.00	58.15 2.96 0.00	60.46 3.21 0.00	44.29 2.21 0.00	33.03 1.43 0.01	35.62 1.46 0.00	33.04 1.29 0.00	32.18 1.21 0.00	26.52 0.94 0.00	26.01 0.91 0.00	34.24 1.25 0.00	52.26 2.15 0.00	44.13 2.03 0.00	43.29 2.11 0.00	87.85 3.58 -12.44	51.86 2.18 -3.74	48.40 1.95 0.23	48.49 1.95 0.38	47.69 1.92 0.33

VISCHER___FERRY HYD 24020	46.00 1.41 0.00	44.06 1.20 0.00	43.59 1.26 0.00	42.44 1.30 0.00	45.13 1.37 0.00	44.34 1.37 0.00	57.44 2.24 0.00	59.60 2.35 0.00	43.57 1.49 0.00	32.56 0.94 0.00	35.18 1.03 0.00	32.71 0.96 0.00	31.85 0.88 0.00	26.36 0.78 0.00	25.97 0.86 0.00	34.19 1.20 0.00	51.88 1.76 0.00	43.65 1.54 0.00	42.79 1.60 0.00	74.43 2.60 0.00	47.58 1.65 0.00	48.01 1.33 0.00	48.09 1.18 0.00	47.33 1.23 0.00
V_A_10_SYNC_DSASP 323832	40.60 -3.99 0.00	39.54 -3.31 0.00	38.87 -3.46 0.00	37.74 -3.39 0.00	40.20 -3.56 0.00	39.65 -3.31 0.00	50.67 -4.53 0.00	52.25 -5.00 0.00	38.61 -3.47 0.00	28.66 -2.90 0.06	30.89 -3.27 0.00	28.54 -3.21 0.00	28.12 -2.86 0.00	23.05 -2.52 0.00	22.39 -2.72 0.00	29.33 -3.65 0.01	44.88 -5.23 0.01	37.96 -4.14 0.00	37.00 -4.17 0.02	32.52 -7.67 31.64	29.49 -5.07 11.37	35.88 -5.31 5.48	39.94 -4.97 2.00	39.69 -4.70 1.72
V_CMM_10_SYNC_DSASP 323787	45.12 0.53 0.00	43.56 0.71 0.00	43.11 0.78 0.00	41.81 0.68 0.00	44.40 0.64 0.00	43.43 0.47 0.00	55.09 -0.11 0.00	56.83 -0.42 0.00	42.02 -0.06 0.00	31.87 0.26 0.00	34.41 0.26 0.00	31.98 0.22 0.00	31.28 0.31 0.00	25.82 0.24 0.00	25.26 0.16 0.00	33.18 0.18 0.00	50.28 0.16 0.00	42.01 -0.09 0.00	40.93 -0.26 0.00	71.86 0.03 0.00	46.12 0.18 0.00	47.30 0.62 0.00	47.63 0.71 0.00	46.83 0.73 0.00
V_CMP_10_SYNC_DSASP 323788	46.83 2.23 0.00	45.01 2.15 0.00	45.11 2.78 0.00	43.38 2.24 0.00	45.89 2.13 0.00	44.92 1.95 0.00	57.04 1.84 0.00	58.60 1.35 0.00	43.09 1.01 0.00	32.84 1.23 0.00	35.22 1.07 0.00	32.66 0.91 0.00	31.98 1.01 0.00	26.47 0.90 0.00	25.78 0.68 0.00	34.11 1.12 0.00	52.19 2.08 0.00	43.77 1.67 0.00	42.76 1.57 0.00	74.74 2.90 0.00	47.78 1.85 0.00	48.96 2.28 0.00	49.27 2.35 0.00	48.94 2.83 0.00
V_D_10_SYNC_DSASP 323841	45.36 0.76 0.00	43.82 0.97 0.00	43.37 1.05 0.00	42.06 0.93 0.00	44.67 0.92 0.00	43.69 0.73 0.00	55.39 0.19 0.00	57.14 -0.10 0.00	42.22 0.13 0.00	32.01 0.40 0.00	34.53 0.38 0.00	32.08 0.33 0.00	31.39 0.42 0.00	25.91 0.34 0.00	25.35 0.25 0.00	33.29 0.30 0.00	50.50 0.38 0.00	42.24 0.13 0.00	41.15 -0.03 0.00	72.33 0.49 0.00	46.38 0.44 0.00	47.57 0.89 0.00	47.90 0.98 0.00	47.15 1.05 0.00
V_E_10_SYNC_DSASP 323830	47.53 2.94 0.00	45.69 2.84 0.00	44.95 2.62 0.00	43.75 2.61 0.00	46.72 2.96 0.00	46.45 3.49 0.00	60.72 5.52 0.00	63.34 6.09 0.00	46.11 4.03 0.00	33.94 2.34 0.02	36.34 2.19 0.00	33.63 1.88 0.00	32.79 1.82 0.00	26.94 1.36 0.00	26.39 1.29 0.00	35.00 2.01 0.00	54.39 4.28 0.00	46.28 4.17 0.00	45.30 4.13 0.01	105.17 7.19 -26.14	58.07 4.18 -7.96	50.24 3.71 0.14	49.88 3.60 0.64	48.86 3.30 0.55
V_F_30_NSYNC___DSASP 323816	46.19 1.60 0.00	44.23 1.38 0.00	43.77 1.44 0.00	42.58 1.45 0.00	45.33 1.57 0.00	44.59 1.63 0.00	57.87 2.67 0.00	60.09 2.84 0.00	43.83 1.75 0.00	32.72 1.11 0.00	35.31 1.15 0.00	32.82 1.07 0.00	31.98 1.01 0.00	26.41 0.84 0.00	26.00 0.90 0.00	34.31 1.31 0.00	52.32 2.21 0.00	44.08 1.97 0.00	43.25 2.07 0.00	75.24 3.41 0.00	48.00 2.07 0.00	48.39 1.71 0.00	48.43 1.51 0.00	47.61 1.50 0.00
V_F_30_SYNC_DSASP 323786	45.68 1.09 0.00	43.77 0.91 0.00	43.27 0.94 0.00	42.11 0.98 0.00	44.79 1.03 0.00	44.02 1.05 0.00	57.00 1.80 0.00	59.17 1.92 0.00	43.30 1.22 0.00	32.33 0.72 0.00	34.97 0.81 0.00	32.56 0.81 0.00	31.71 0.73 0.00	26.25 0.67 0.00	25.86 0.76 0.00	34.00 1.01 0.00	51.58 1.46 0.00	43.29 1.19 0.00	42.25 1.06 0.00	73.47 1.64 0.00	46.95 1.02 0.00	47.40 0.72 0.00	47.49 0.57 0.00	46.72 0.62 0.00
V_XM_10_SYNC_DSASP 323789	46.83 2.23 0.00	45.01 2.15 0.00	45.11 2.78 0.00	43.38 2.24 0.00	45.89 2.13 0.00	44.92 1.95 0.00	57.04 1.84 0.00	58.60 1.35 0.00	43.09 1.01 0.00	32.84 1.23 0.00	35.22 1.07 0.00	32.66 0.91 0.00	31.98 1.01 0.00	26.47 0.90 0.00	25.78 0.68 0.00	34.11 1.12 0.00	52.19 2.08 0.00	43.77 1.67 0.00	42.76 1.57 0.00	74.74 2.90 0.00	47.78 1.85 0.00	48.96 2.28 0.00	49.27 2.35 0.00	48.94 2.83 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	46.39 1.80 0.00	44.42 1.57 0.00	43.80 1.47 0.00	42.62 1.49 0.00	45.38 1.62 0.00	44.70 1.74 0.00	58.12 2.92 0.00	60.71 3.46 0.00	44.49 2.41 0.00	33.16 1.55 0.00	35.95 1.79 0.00	33.49 1.74 0.00	32.59 1.61 0.00	26.89 1.31 0.00	26.43 1.33 0.00	34.74 1.74 0.00	52.79 2.68 0.00	44.72 2.61 0.00	43.96 2.77 0.00	76.20 4.36 0.00	48.66 2.72 0.00	48.96 2.28 0.00	49.14 2.22 0.00	48.18 2.08 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	46.53 1.94 0.00	44.46 1.61 0.00	43.93 1.61 0.00	42.75 1.61 0.00	45.52 1.76 0.00	44.88 1.92 0.00	58.19 2.99 0.00	60.83 3.58 0.00	44.73 2.65 0.00	33.53 1.92 0.00	36.42 2.25 -0.02	34.58 2.16 -0.67	32.95 1.98 0.00	27.23 1.66 0.00	26.77 1.66 0.00	35.11 2.12 0.00	53.16 3.05 0.00	44.94 2.84 0.00	44.29 3.10 0.00	76.67 4.83 0.00	48.99 3.05 0.00	49.09 2.41 0.00	49.18 2.26 0.00	48.37 2.26 0.00
W50THST__13_KV_LOAD 356117	46.77 2.18 0.00	44.67 1.82 0.00	44.14 1.81 0.00	42.95 1.81 0.00	45.74 1.98 0.00	45.12 2.15 0.00	58.54 3.34 0.00	61.31 4.06 0.00	45.15 3.08 0.00	33.90 2.29 0.00	36.84 2.67 -0.02	34.98 2.56 -0.67	33.33 2.35 0.00	27.53 1.96 0.00	27.07 1.96 0.00	35.50 2.51 0.00	53.76 3.65 0.00	45.40 3.30 0.00	44.70 3.52 0.00	77.38 5.55 0.00	49.44 3.51 0.00	49.52 2.84 0.00	49.57 2.65 0.00	48.73 2.63 0.00
WADING RIVER_IC_1 23522	47.57 2.98 0.00	45.61 2.76 0.00	45.13 2.80 0.00	43.92 2.78 0.00	46.69 2.93 0.00	46.17 3.20 0.00	60.31 5.11 0.00	62.96 5.71 0.00	46.07 3.99 0.00	34.11 2.50 0.00	36.99 2.84 0.00	34.46 2.69 -0.02	33.44 2.46 0.00	27.61 2.03 0.00	29.62 2.19 -2.33	83.03 3.02 -47.02	59.80 4.84 -4.84	47.09 4.40 -0.58	51.38 4.96 -5.24	88.63 7.93 -8.86	83.29 4.97 -32.39	60.89 4.24 -9.97	59.08 4.02 -8.14	51.54 4.01 -1.43
WADING RIVER_IC_2 23547	47.57 2.98 0.00	45.61 2.76 0.00	45.13 2.80 0.00	43.92 2.78 0.00	46.69 2.93 0.00	46.17 3.20 0.00	60.31 5.11 0.00	62.96 5.71 0.00	46.07 3.99 0.00	34.11 2.50 0.00	36.99 2.84 0.00	34.46 2.69 -0.02	33.44 2.46 0.00	27.61 2.03 0.00	29.62 2.19 -2.33	83.03 3.02 -47.02	59.80 4.84 -4.84	47.09 4.40 -0.58	51.38 4.96 -5.24	88.63 7.93 -8.86	83.29 4.97 -32.39	60.89 4.24 -9.97	59.08 4.02 -8.14	51.54 4.01 -1.43
WADING RIVER_IC_3 23601	47.57 2.98 0.00	45.61 2.76 0.00	45.13 2.80 0.00	43.92 2.78 0.00	46.69 2.93 0.00	46.17 3.20 0.00	60.31 5.11 0.00	62.96 5.71 0.00	46.07 3.99 0.00	34.11 2.50 0.00	36.99 2.84 0.00	34.46 2.69 -0.02	33.44 2.46 0.00	27.61 2.03 0.00	29.62 2.19 -2.33	83.03 3.02 -47.02	59.80 4.84 -4.84	47.09 4.40 -0.58	51.38 4.96 -5.24	88.63 7.93 -8.86	83.29 4.97 -32.39	60.89 4.24 -9.97	59.08 4.02 -8.14	51.54 4.01 -1.43

WALDENNY_12_KV_BK2 80841	40.89 -3.70 0.00	39.88 -2.97 0.00	39.19 -3.14 0.00	38.02 -3.12 0.00	40.53 -3.23 0.00	40.04 -2.92 0.00	51.24 -3.96 0.00	52.90 -4.35 0.00	39.13 -2.95 0.00	29.01 -2.55 0.05	31.17 -2.99 0.00	28.81 -2.94 0.00	28.40 -2.57 0.00	23.25 -2.32 0.00	22.57 -2.54 0.00	29.52 -3.46 0.01	45.25 -4.87 0.01	38.31 -3.79 0.00	37.32 -3.85 0.02	40.50 -7.25 24.08	32.46 -4.91 8.57	36.69 -5.18 4.81	40.25 -4.81 1.86	40.03 -4.48 1.60
WALDEN___HYDRO 24148	46.64 2.05 0.00	44.65 1.80 0.00	44.05 1.72 0.00	42.86 1.73 0.00	45.63 1.87 0.00	44.89 1.93 0.00	58.44 3.24 0.00	60.92 3.67 0.00	44.56 2.48 0.00	33.13 1.51 0.00	35.81 1.65 0.00	33.32 1.56 0.00	32.37 1.39 0.00	26.72 1.15 0.00	26.29 1.19 0.00	34.59 1.60 0.00	52.78 2.67 0.00	44.82 2.71 0.00	44.10 2.92 0.00	76.51 4.68 0.00	48.85 2.91 0.00	49.14 2.46 0.00	49.27 2.35 0.00	48.33 2.22 0.00
WARRENSBURG___ 23737	45.34 0.75 0.00	43.35 0.50 0.00	42.99 0.66 0.00	41.80 0.67 0.00	44.52 0.76 0.00	43.80 0.83 0.00	57.02 1.82 0.00	59.26 2.01 0.00	43.14 1.06 0.00	32.33 0.72 0.00	34.86 0.70 0.00	32.41 0.66 0.00	31.62 0.64 0.00	25.97 0.40 0.00	25.57 0.47 0.00	33.79 0.80 0.00	51.63 1.51 0.00	43.47 1.36 0.00	42.74 1.56 0.00	74.38 2.54 0.00	47.32 1.39 0.00	47.69 1.01 0.00	47.57 0.65 0.00	46.74 0.63 0.00
WATERSIDE___6 8 9 23538	46.53 1.94 0.00	44.49 1.64 0.00	43.97 1.64 0.00	42.77 1.64 0.00	45.55 1.79 0.00	44.88 1.92 0.00	58.22 3.02 0.00	60.86 3.61 0.00	44.74 2.66 0.00	33.54 1.93 0.00	36.44 2.26 -0.02	34.83 2.17 -0.92	32.94 1.96 0.00	27.22 1.65 0.00	26.75 1.65 0.00	35.10 2.11 0.00	53.17 3.05 0.00	44.91 2.81 0.00	44.27 3.08 0.00	76.73 4.89 0.00	49.05 3.12 0.00	49.20 2.53 0.00	49.29 2.37 0.00	48.48 2.37 0.00
WATKINRD_115KV_LN8_ILLION 55919	45.01 0.42 0.00	43.11 0.25 0.00	42.60 0.27 0.00	41.44 0.31 0.00	44.11 0.35 0.00	43.41 0.45 0.00	56.24 1.04 0.00	58.38 1.13 0.00	42.63 0.55 0.00	31.75 0.13 0.00	34.28 0.13 0.00	31.91 0.16 0.00	31.06 0.09 0.00	25.66 0.09 0.00	25.25 0.15 0.00	33.28 0.28 0.00	50.64 0.53 0.00	42.77 0.67 0.00	41.97 0.78 0.00	72.92 1.09 0.00	46.63 0.70 0.00	47.15 0.47 0.00	47.19 0.27 0.00	46.34 0.24 0.00
WATSON___69_KV_BK 1 55734	48.06 3.47 0.00	46.05 3.20 0.00	45.50 3.17 0.00	44.25 3.11 0.00	47.12 3.36 0.00	46.45 3.48 0.00	60.40 5.20 0.00	62.99 5.74 0.00	46.25 4.17 0.00	34.31 2.70 0.00	37.26 3.11 0.00	34.71 2.94 -0.02	33.69 2.72 0.00	27.83 2.26 0.00	29.84 2.41 -2.33	83.30 3.29 -47.02	60.03 5.07 -4.84	47.20 4.51 -0.58	51.48 5.06 -5.24	88.80 8.10 -8.86	83.39 5.07 -32.39	61.08 4.43 -9.97	59.27 4.22 -8.14	51.68 4.14 -1.43
WDELAWARE___HYD 323627	45.72 1.13 0.00	43.75 0.90 0.00	43.15 0.82 0.00	42.00 0.87 0.00	44.73 0.97 0.00	44.10 1.14 0.00	57.37 2.18 0.00	59.94 2.69 0.00	43.82 1.74 0.00	32.58 0.97 0.00	35.12 0.97 0.00	32.48 0.73 0.00	30.85 -0.12 0.00	25.47 -0.10 0.00	25.08 -0.02 0.00	33.03 0.03 0.00	50.49 0.37 0.00	42.95 0.84 0.00	42.29 1.11 0.00	73.50 1.67 0.00	48.04 2.11 0.00	48.33 1.66 0.00	48.46 1.54 0.00	47.49 1.38 0.00
WEST BABYLON___IC 23714	47.87 3.28 0.00	45.87 3.01 0.00	45.31 2.98 0.00	44.07 2.93 0.00	46.91 3.15 0.00	46.24 3.27 0.00	60.06 4.86 0.00	62.68 5.43 0.00	46.03 3.95 0.00	34.18 2.57 0.00	37.11 2.96 0.00	34.59 2.82 -0.02	33.57 2.59 0.00	27.73 2.16 0.00	29.73 2.30 -2.33	83.11 3.11 -47.02	59.73 4.76 -4.84	46.94 4.25 -0.58	51.13 4.70 -5.24	88.20 7.50 -8.86	83.05 4.73 -32.39	60.79 4.14 -9.97	59.00 3.95 -8.14	51.43 3.89 -1.43
WEST CANADA___HYD 24049	44.75 0.16 0.00	42.94 0.09 0.00	42.41 0.09 0.00	41.25 0.12 0.00	43.89 0.13 0.00	43.12 0.16 0.00	55.60 0.40 0.00	57.71 0.46 0.00	42.36 0.28 0.00	31.74 0.13 0.00	34.29 0.13 0.00	31.88 0.13 0.00	31.07 0.10 0.00	25.68 0.10 0.00	25.23 0.12 0.00	33.16 0.17 0.00	50.38 0.26 0.00	42.40 0.30 0.00	41.52 0.33 0.00	72.31 0.48 0.00	46.21 0.28 0.00	46.85 0.17 0.00	47.05 0.13 0.00	46.23 0.13 0.00
WESTERN_NY_WIND 24143	41.66 -2.93 0.00	40.58 -2.27 0.00	39.85 -2.48 0.00	38.68 -2.46 0.00	41.25 -2.51 0.00	40.85 -2.12 0.00	52.34 -2.86 0.00	54.06 -3.19 0.00	39.87 -2.21 0.00	29.36 -2.20 0.06	31.41 -2.74 0.00	28.98 -2.77 0.00	28.55 -2.43 0.00	23.42 -2.15 0.00	22.71 -2.39 0.00	29.86 -3.12 0.01	45.88 -4.23 0.01	39.10 -3.00 0.00	38.18 -2.99 0.02	32.99 -5.76 33.09	30.41 -3.95 11.57	37.03 -4.26 5.39	41.04 -3.95 1.94	40.69 -3.75 1.67
WESTOVER___LESR 323668	44.20 -0.39 0.00	42.38 -0.47 0.00	41.82 -0.51 0.00	40.59 -0.55 0.00	43.35 -0.42 0.00	42.74 -0.23 0.00	55.30 0.10 0.00	57.63 0.38 0.00	42.15 0.08 0.00	31.37 -0.22 0.02	33.85 -0.30 0.00	31.45 -0.30 0.00	30.67 -0.30 0.00	25.24 -0.33 0.00	24.76 -0.34 0.00	32.65 -0.33 0.00	49.93 -0.19 0.00	42.19 0.08 0.00	41.34 0.17 0.01	94.72 0.18 -22.70	52.71 -0.06 -6.84	45.91 -0.38 0.39	45.80 -0.44 0.68	45.08 -0.44 0.59
WETHRSFD_WT_PWR 323626	40.26 -4.33 0.00	39.34 -3.52 0.00	38.71 -3.62 0.00	37.52 -3.61 0.00	39.98 -3.78 0.00	39.53 -3.43 0.00	50.68 -4.52 0.00	52.27 -4.97 0.00	38.66 -3.42 0.00	28.70 -2.86 0.05	30.86 -3.29 0.00	28.51 -3.24 0.00	28.14 -2.83 0.00	23.03 -2.54 0.00	22.35 -2.76 0.00	29.29 -3.69 0.01	44.81 -5.30 0.01	37.95 -4.15 0.00	36.96 -4.20 0.02	38.56 -7.80 25.48	31.72 -5.20 9.02	36.29 -5.47 4.91	39.95 -5.09 1.88	39.64 -4.85 1.61
WHAVSTOR_138KV_BK127 55557	46.22 1.63 0.00	44.26 1.40 0.00	43.65 1.32 0.00	42.48 1.34 0.00	45.23 1.46 0.00	44.54 1.57 0.00	57.88 2.69 0.00	60.45 3.20 0.00	44.31 2.22 0.00	33.04 1.43 0.00	35.81 1.66 0.00	33.37 1.61 0.00	32.46 1.49 0.00	26.79 1.21 0.00	26.33 1.22 0.00	34.60 1.61 0.00	52.56 2.44 0.00	44.52 2.42 0.00	43.77 2.58 0.00	75.85 4.02 0.00	48.46 2.52 0.00	48.76 2.08 0.00	48.93 2.01 0.00	48.01 1.90 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	46.22 1.63 0.00	44.26 1.40 0.00	43.65 1.32 0.00	42.48 1.34 0.00	45.23 1.46 0.00	44.54 1.57 0.00	57.88 2.69 0.00	60.45 3.20 0.00	44.31 2.22 0.00	33.04 1.43 0.00	35.81 1.66 0.00	33.37 1.61 0.00	32.46 1.49 0.00	26.79 1.21 0.00	26.33 1.22 0.00	34.60 1.61 0.00	52.56 2.44 0.00	44.52 2.42 0.00	43.77 2.58 0.00	75.85 4.02 0.00	48.46 2.52 0.00	48.76 2.08 0.00	48.93 2.01 0.00	48.01 1.90 0.00
WHITEHAL_115KV_TB1 80871	46.34 1.75 0.00	44.07 1.21 0.00	44.13 1.81 0.00	42.81 1.68 0.00	45.59 1.83 0.00	44.89 1.93 0.00	58.86 3.66 0.00	61.08 3.82 0.00	44.26 2.18 0.00	33.19 1.57 0.00	35.74 1.59 0.00	33.16 1.41 0.00	32.55 1.57 0.00	26.80 1.23 0.00	26.32 1.22 0.00	34.93 1.94 0.00	53.56 3.45 0.00	44.68 2.58 0.00	44.23 3.04 0.00	77.04 5.21 0.00	48.67 2.73 0.00	48.97 2.29 0.00	48.54 1.62 0.00	47.75 1.64 0.00

WHITEPLN_13_KV_LOAD 356215	46.85 2.25 0.00	44.83 1.97 0.00	44.25 1.92 0.00	43.06 1.92 0.00	45.84 2.08 0.00	45.17 2.21 0.00	58.70 3.50 0.00	61.34 4.09 0.00	45.00 2.92 0.00	33.62 2.01 0.00	36.45 2.29 0.00	33.97 2.20 -0.02	32.99 2.02 0.00	27.25 1.68 0.00	26.80 1.70 0.00	35.21 2.22 0.00	53.46 3.34 0.00	45.26 3.16 0.00	44.51 3.32 0.00	77.12 5.29 0.00	49.24 3.31 0.00	49.47 2.79 0.00	49.56 2.64 0.00	48.65 2.55 0.00
WM_FLOYD_69_KV_BK2 356380	47.71 3.12 0.00	45.74 2.89 0.00	45.23 2.91 0.00	44.00 2.87 0.00	46.81 3.05 0.00	46.22 3.25 0.00	60.30 5.10 0.00	62.95 5.70 0.00	46.05 3.97 0.00	34.09 2.47 0.00	36.97 2.82 0.00	34.44 2.66 -0.02	33.41 2.44 0.00	27.59 2.01 0.00	29.61 2.18 -2.33	83.04 3.03 -47.02	59.80 4.84 -4.84	47.09 4.40 -0.58	51.38 4.95 -5.24	88.62 7.92 -8.86	83.28 4.96 -32.39	60.90 4.25 -9.97	59.08 4.03 -8.14	51.54 4.00 -1.43
WOODARD__115KV_TB2 355635	42.93 -1.66 0.00	41.28 -1.58 0.00	40.71 -1.62 0.00	39.55 -1.58 0.00	42.16 -1.60 0.00	41.56 -1.41 0.00	53.69 -1.51 0.00	55.79 -1.47 0.00	40.89 -1.19 0.00	30.47 -1.11 0.03	32.88 -1.28 0.00	30.54 -1.21 0.00	29.80 -1.17 0.00	24.58 -0.99 0.00	24.11 -0.99 0.00	31.69 -1.30 0.00	48.39 -1.73 0.00	40.88 -1.22 0.00	40.02 -1.16 0.01	79.69 -2.17 -10.03	46.99 -1.51 -2.56	43.29 -1.72 1.67	44.10 -1.78 1.04	43.44 -1.77 0.89
YORK___WARBASSE 23770	46.66 2.08 0.00	44.60 1.75 0.00	44.06 1.73 0.00	42.87 1.74 0.00	45.64 1.88 0.00	44.99 2.03 0.00	58.32 3.12 0.00	60.94 3.69 0.00	44.86 2.77 0.00	33.66 2.05 0.00	36.58 2.41 -0.02	34.96 2.29 -0.92	33.06 2.09 0.00	27.32 1.75 0.00	26.86 1.76 0.00	35.24 2.24 0.00	53.38 3.26 0.00	45.04 2.94 0.00	44.45 3.26 0.00	77.03 5.20 0.00	49.24 3.31 0.00	49.41 2.74 0.00	49.47 2.56 0.00	48.70 2.59 0.00