

ALBANY___2 23572	46.94 0.69 0.00	40.70 0.68 0.00	39.28 0.66 0.00	39.72 0.66 0.00	40.36 0.64 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.11 1.22 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.55 0.67 0.00	39.63 0.62 0.00	42.66 0.75 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.14 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
ALBANY___3 23573	46.94 0.69 0.00	40.70 0.68 0.00	39.28 0.66 0.00	39.72 0.66 0.00	40.36 0.64 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.11 1.22 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.55 0.67 0.00	39.63 0.62 0.00	42.66 0.75 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.14 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
ALBANY___4 23574	46.94 0.69 0.00	40.70 0.68 0.00	39.28 0.66 0.00	39.72 0.66 0.00	40.36 0.64 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.11 1.22 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.55 0.67 0.00	39.63 0.62 0.00	42.66 0.75 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.14 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
ALBANY___LFGE 323615	47.17 0.92 0.00	40.86 0.84 0.00	39.43 0.81 0.00	39.91 0.86 0.00	40.56 0.84 0.00	44.96 0.97 0.00	62.03 1.51 0.00	75.55 1.99 0.00	59.39 1.50 0.00	46.52 1.05 0.00	41.98 0.78 0.00	42.71 0.84 0.00	39.87 0.86 0.00	42.87 0.96 0.00	42.68 0.92 0.00	43.81 1.11 0.00	48.73 1.37 0.00	54.20 1.53 0.00	60.88 1.83 0.00	67.09 2.08 0.00	57.40 1.78 0.00	54.74 1.44 0.00	49.81 1.40 0.00	45.40 1.19 0.00
ALCOA_PA_115KV_PL-6C 55860	46.98 0.74 0.00	44.62 1.08 -3.52	46.45 1.04 -6.79	40.21 1.05 -0.10	47.58 1.15 -6.70	45.09 1.10 0.00	74.99 1.27 -13.20	106.19 1.47 -31.16	58.64 0.75 0.00	46.29 0.82 0.00	41.90 0.70 0.00	42.59 0.71 0.00	39.63 0.62 0.00	42.49 0.59 0.00	42.47 0.71 0.00	42.92 0.21 0.00	47.50 0.14 0.00	52.57 -0.11 0.00	58.99 -0.06 0.00	64.62 -0.39 0.00	55.40 -0.22 0.00	53.62 0.32 0.00	48.94 0.53 0.00	44.83 0.62 0.00
ALCOA_RYNLDS___DRP 24188	46.98 0.74 0.00	44.62 1.08 -3.52	46.45 1.04 -6.79	40.21 1.05 -0.10	47.58 1.15 -6.70	45.09 1.10 0.00	74.81 1.09 -13.20	106.12 1.40 -31.16	58.64 0.75 0.00	46.29 0.82 0.00	41.90 0.70 0.00	42.50 0.63 0.00	39.63 0.62 0.00	42.53 0.63 0.00	42.47 0.71 0.00	42.92 0.21 0.00	47.50 0.14 0.00	52.57 -0.11 0.00	58.99 -0.06 0.00	64.62 -0.39 0.00	55.40 -0.22 0.00	53.62 0.32 0.00	48.94 0.53 0.00	44.83 0.62 0.00
ALCOA___DSASP 323711	46.98 0.74 0.00	44.62 1.08 -3.52	46.45 1.04 -6.79	40.21 1.05 -0.10	47.58 1.15 -6.70	45.09 1.10 0.00	74.81 1.09 -13.20	106.12 1.40 -31.16	58.64 0.75 0.00	46.29 0.82 0.00	41.90 0.70 0.00	42.50 0.63 0.00	39.63 0.62 0.00	42.53 0.63 0.00	42.47 0.71 0.00	42.92 0.21 0.00	47.50 0.14 0.00	52.57 -0.11 0.00	58.99 -0.06 0.00	64.62 -0.39 0.00	55.40 -0.22 0.00	53.62 0.32 0.00	48.94 0.53 0.00	44.83 0.62 0.00
ALLEGHENY___COGEN 23514	46.52 0.28 0.00	39.74 -0.28 0.00	38.39 -0.23 0.00	38.66 -0.39 0.00	39.45 -0.28 0.00	43.64 -0.35 0.00	111.21 -0.49 -51.18	150.02 -1.77 -78.22	84.20 -1.74 -28.05	74.21 -2.05 -30.78	68.27 -2.02 -29.09	68.94 -2.30 -29.36	63.76 -2.61 -27.37	66.84 -2.97 -27.91	66.65 -2.96 -27.86	48.05 -2.65 -7.99	63.81 -2.37 -18.82	56.63 -2.11 -6.06	77.58 -1.42 -19.95	82.39 -0.97 -18.36	76.53 -0.72 -21.63	75.33 -0.59 -22.61	49.09 -0.92 -1.61	68.63 -1.15 -25.57
ALTMONT_115KV_TB 2 55880	46.80 0.55 0.00	40.50 0.48 0.00	39.09 0.46 0.00	39.52 0.47 0.00	40.17 0.44 0.00	44.56 0.57 0.00	61.42 0.91 0.00	74.59 1.03 0.00	58.76 0.87 0.00	46.06 0.59 0.00	41.65 0.45 0.00	42.38 0.50 0.00	39.48 0.47 0.00	42.45 0.54 0.00	42.31 0.54 0.00	43.39 0.68 0.00	48.21 0.85 0.00	53.68 1.00 0.00	60.17 1.12 0.00	66.31 1.30 0.00	56.74 1.11 0.00	54.26 0.96 0.00	49.28 0.87 0.00	44.96 0.75 0.00
ALTONA_WT_PWR 323606	46.57 0.33 0.00	40.70 0.68 0.00	39.32 0.70 0.00	39.79 0.74 0.00	40.60 0.87 0.00	44.92 0.93 0.00	61.85 1.33 0.00	75.18 1.62 0.00	58.99 1.10 0.00	46.47 1.00 0.00	42.02 0.82 0.00	42.67 0.79 0.00	39.71 0.70 0.00	42.53 0.63 0.00	42.35 0.58 0.00	42.75 0.04 0.00	47.17 -0.19 0.00	52.20 -0.48 0.00	58.46 -0.59 0.00	63.90 -1.11 0.00	54.85 -0.78 0.00	53.03 -0.27 0.00	48.31 -0.10 0.00	44.21 0.00 0.00
AMERICAN_REF_FUEL 24010	41.66 -4.58 0.00	35.18 -4.84 0.00	34.06 -4.56 0.00	34.13 -4.92 0.00	34.56 -5.16 0.00	37.74 -6.25 0.00	41.39 -8.47 10.65	44.70 -12.58 16.28	42.40 -7.87 7.61	30.78 -6.09 8.60	27.71 -5.35 8.13	28.06 -5.61 8.21	25.94 -5.42 7.65	24.70 -5.95 11.25	24.75 -5.89 11.13	19.68 -6.24 16.79	19.80 -6.87 20.69	24.58 -7.74 20.35	29.12 -8.45 21.49	29.59 -9.30 26.12	29.68 -7.90 18.05	24.71 -7.51 21.08	24.65 -6.92 16.84	28.09 -6.46 9.67
ARKWRIGHT___SUMMIT_WT_PWR 323751	43.65 -2.59 0.00	37.02 -3.00 0.00	35.76 -2.86 0.00	35.81 -3.24 0.00	36.15 -3.58 0.00	39.41 -4.58 0.00	40.97 -7.02 12.53	44.85 -9.56 19.15	41.76 -7.06 9.07	29.49 -5.64 10.34	26.19 -5.23 9.77	26.53 -5.48 9.86	24.35 -5.46 9.19	23.42 -6.03 12.45	23.33 -6.10 12.34	18.95 -6.32 17.44	20.88 -7.06 19.42	23.26 -7.74 21.67	29.33 -8.50 21.21	30.03 -9.16 25.81	29.84 -7.90 17.89	25.68 -7.73 19.89	22.03 -7.26 19.11	28.04 -6.81 9.36
ARTHUR KILL_GT_1 23520	24.78 2.22 23.68	41.02 1.00 0.00	39.43 0.81 0.00	39.99 0.94 0.00	40.64 0.91 0.00	44.91 0.92 0.00	50.96 1.15 10.70	58.14 1.69 17.11	51.05 1.56 8.40	47.02 1.55 0.00	43.09 1.90 0.00	44.01 2.14 0.00	40.96 1.95 0.00	44.08 2.18 0.00	43.98 2.21 0.00	44.97 2.26 0.00	49.54 2.18 0.00	51.92 2.16 2.92	54.53 2.18 6.71	54.43 2.41 12.99	53.92 1.89 3.59	51.20 1.55 3.65	49.96 1.55 0.00	45.67 1.46 0.00
ARTHUR_KILL_2 23512	24.69 2.13 23.68	40.90 0.88 0.00	39.32 0.70 0.00	39.87 0.82 0.00	40.52 0.79 0.00	44.78 0.79 0.00	50.78 0.97 10.70	58.29 1.84 17.11	50.87 1.39 8.40	46.83 1.36 0.00	42.97 1.77 0.00	43.84 1.97 0.00	40.80 1.80 0.00	43.95 2.05 0.00	43.89 2.13 0.00	44.88 2.18 0.00	49.39 2.03 0.00	51.76 2.00 2.92	54.35 2.01 6.71	54.23 2.21 12.99	53.76 1.73 3.59	51.04 1.38 3.65	49.81 1.40 0.00	45.53 1.33 0.00
ARTHUR_KILL_3 23513	24.08 1.52 23.69	41.05 1.04 0.01	39.50 0.89 0.01	40.02 0.98 0.01	40.67 0.95 0.01	45.30 1.32 0.01	51.56 1.76 10.71	59.24 2.79 17.12	51.56 2.08 8.41	47.23 1.77 0.01	43.13 1.94 0.01	43.96 2.09 0.01	40.91 1.91 0.01	44.03 2.14 0.01	43.92 2.17 0.01	45.00 2.30 0.01	49.76 2.41 0.01	52.28 2.53 2.92	54.87 2.54 6.72	54.87 2.86 13.00	54.30 2.28 3.60	51.56 1.92 3.65	50.19 1.79 0.01	45.88 1.68 0.01

ARTHUR_KILL_COGEN 323718	24.78 2.22 23.68	41.02 1.00 0.00	39.39 0.77 0.00	39.99 0.94 0.00	40.64 0.91 0.00	44.92 0.93 0.00	50.96 1.15 10.70	58.51 2.06 17.11	51.05 1.56 8.40	46.93 1.45 0.00	43.09 1.90 0.00	43.93 2.05 0.00	40.92 1.91 0.00	44.08 2.18 0.00	43.97 2.21 0.00	44.97 2.26 0.00	49.54 2.18 0.00	51.92 2.16 2.92	54.53 2.19 6.71	54.43 2.41 12.99	53.92 1.89 3.59	51.20 1.55 3.65	49.96 1.55 0.00	45.67 1.46 0.00
ASHOKAN____ 23654	48.14 1.90 0.00	41.54 1.52 0.00	40.01 1.39 0.00	40.57 1.52 0.00	41.24 1.51 0.00	45.66 1.67 0.00	63.24 2.73 0.00	76.14 2.57 0.00	59.39 1.50 0.00	46.15 0.68 0.00	41.61 0.41 0.00	42.38 0.50 0.00	39.48 0.47 0.00	42.44 0.54 0.00	42.30 0.54 0.00	43.48 0.77 0.00	48.30 0.95 0.00	54.15 1.47 0.00	60.99 1.95 0.00	67.28 2.27 0.00	57.46 1.83 0.00	54.90 1.60 0.00	50.25 1.84 0.00	46.02 1.81 0.00
ASTORIA_EAST_ENERGY_CC1 323581	48.14 1.90 0.00	41.26 1.24 0.00	39.62 1.00 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.27 1.28 0.00	61.84 1.33 0.01	75.84 2.28 0.01	59.73 1.85 0.01	47.19 1.73 0.01	43.13 1.94 0.01	44.00 2.13 0.01	40.95 1.95 0.01	44.07 2.18 0.01	44.01 2.25 0.01	45.05 2.35 0.01	49.67 2.32 0.01	55.04 2.37 0.01	61.41 2.36 0.01	67.60 2.60 0.01	57.68 2.06 0.01	55.05 1.76 0.00	50.29 1.89 0.00	46.11 1.90 0.00
ASTORIA_EAST_ENERGY_CC2 323582	48.14 1.90 0.00	41.26 1.24 0.00	39.62 1.00 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.27 1.28 0.00	61.84 1.33 0.01	75.84 2.28 0.01	59.73 1.85 0.01	47.19 1.73 0.01	43.13 1.94 0.01	44.00 2.13 0.01	40.95 1.95 0.01	44.07 2.18 0.01	44.01 2.25 0.01	45.05 2.35 0.01	49.67 2.32 0.01	55.04 2.37 0.01	61.41 2.36 0.01	67.60 2.60 0.01	57.68 2.06 0.01	55.05 1.76 0.00	50.29 1.89 0.00	46.11 1.90 0.00
ASTORIA_GT2_1 24094	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT2_2 24095	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT2_3 24096	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT2_4 24097	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT3_1 24098	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT3_2 24099	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT3_3 24100	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT3_4 24101	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT4_1 24102	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT4_2 24103	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT4_3 24104	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00

ASTORIA_GT4_4 24105	48.19 1.94 0.00	41.26 1.24 0.00	39.66 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.85 1.33 0.00	75.55 1.99 0.00	59.80 1.91 0.00	47.24 1.77 0.00	43.17 1.98 0.00	44.05 2.18 0.00	41.04 2.03 0.00	44.08 2.18 0.00	44.02 2.26 0.00	45.05 2.35 0.00	49.73 2.37 0.00	55.10 2.42 0.00	61.47 2.42 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA_GT_1 23523	48.23 1.99 0.00	41.34 1.32 0.00	39.70 1.08 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.40 1.41 0.00	61.97 1.45 0.00	75.70 2.13 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.26 2.06 0.00	44.14 2.26 0.00	41.11 2.11 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.14 2.43 0.00	49.82 2.46 0.00	55.20 2.53 0.00	61.59 2.54 0.00	67.74 2.73 0.00	57.85 2.22 0.00	55.16 1.87 0.00	50.39 1.98 0.00	46.20 1.99 0.00
ASTORIA_GT_10 24110	48.28 2.03 0.00	41.34 1.32 0.00	39.78 1.16 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.52 2.05 0.00	43.38 2.18 0.00	44.26 2.39 0.00	41.23 2.22 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.69 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.02 2.39 0.00	55.38 2.08 0.00	50.44 2.03 0.00	46.15 1.95 0.00
ASTORIA_GT_11 24225	48.28 2.03 0.00	41.34 1.32 0.00	39.78 1.16 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.52 2.05 0.00	43.38 2.18 0.00	44.26 2.39 0.00	41.23 2.22 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.69 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.02 2.39 0.00	55.38 2.08 0.00	50.44 2.03 0.00	46.15 1.95 0.00
ASTORIA_GT_12 24226	48.28 2.03 0.00	41.34 1.32 0.00	39.78 1.16 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.52 2.05 0.00	43.38 2.18 0.00	44.26 2.39 0.00	41.23 2.22 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.69 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.02 2.39 0.00	55.38 2.08 0.00	50.44 2.03 0.00	46.15 1.95 0.00
ASTORIA_GT_13 24227	48.28 2.03 0.00	41.34 1.32 0.00	39.78 1.16 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.52 2.05 0.00	43.38 2.18 0.00	44.26 2.39 0.00	41.23 2.22 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.69 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.02 2.39 0.00	55.38 2.08 0.00	50.44 2.03 0.00	46.15 1.95 0.00
ASTORIA_GT_5 24106	48.23 1.99 0.00	41.34 1.32 0.00	39.70 1.08 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.40 1.41 0.00	61.97 1.45 0.00	75.70 2.13 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.26 2.06 0.00	44.14 2.26 0.00	41.11 2.11 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.14 2.43 0.00	49.82 2.46 0.00	55.20 2.53 0.00	61.59 2.54 0.00	67.74 2.73 0.00	57.85 2.22 0.00	55.16 1.87 0.00	50.39 1.98 0.00	46.20 1.99 0.00
ASTORIA_GT_7 24107	48.23 1.99 0.00	41.34 1.32 0.00	39.70 1.08 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.40 1.41 0.00	61.97 1.45 0.00	75.70 2.13 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.26 2.06 0.00	44.14 2.26 0.00	41.11 2.11 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.14 2.43 0.00	49.82 2.46 0.00	55.20 2.53 0.00	61.59 2.54 0.00	67.74 2.73 0.00	57.85 2.22 0.00	55.16 1.87 0.00	50.39 1.98 0.00	46.20 1.99 0.00
ASTORIA_GT_8 24108	48.23 1.99 0.00	41.34 1.32 0.00	39.70 1.08 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.40 1.41 0.00	61.97 1.45 0.00	75.70 2.13 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.26 2.06 0.00	44.14 2.26 0.00	41.11 2.11 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.14 2.43 0.00	49.82 2.46 0.00	55.20 2.53 0.00	61.59 2.54 0.00	67.74 2.73 0.00	57.85 2.22 0.00	55.16 1.87 0.00	50.39 1.98 0.00	46.20 1.99 0.00
ASTORIA___2 24149	48.19 1.94 0.00	41.26 1.24 0.00	39.62 1.00 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.31 1.32 0.00	61.90 1.39 0.01	75.91 2.35 0.01	59.79 1.91 0.01	47.19 1.73 0.01	43.17 1.98 0.01	44.00 2.13 0.01	40.95 1.95 0.01	44.11 2.22 0.01	44.01 2.25 0.01	45.05 2.35 0.01	49.72 2.37 0.01	55.09 2.42 0.01	61.46 2.42 0.01	67.60 2.60 0.01	57.73 2.11 0.01	55.11 1.81 0.00	50.34 1.94 0.00	46.11 1.90 0.00
ASTORIA___3 23516	48.28 2.03 0.00	41.34 1.32 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.33 1.81 0.00	76.43 2.87 0.00	60.09 2.20 0.00	47.47 2.00 0.00	43.38 2.18 0.00	44.22 2.34 0.00	41.15 2.14 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.68 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.01 2.39 0.00	55.37 2.08 0.00	50.44 2.03 0.00	46.15 1.94 0.00
ASTORIA___4 23517	48.28 2.03 0.00	41.34 1.32 0.00	39.78 1.16 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.14 2.57 0.00	60.09 2.20 0.00	47.52 2.05 0.00	43.38 2.18 0.00	44.26 2.39 0.00	41.23 2.22 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.69 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.02 2.39 0.00	55.38 2.08 0.00	50.44 2.03 0.00	46.15 1.95 0.00
ASTORIA___5 23518	48.28 2.03 0.00	41.34 1.32 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.43 2.87 0.00	60.15 2.26 0.00	47.47 2.00 0.00	43.38 2.18 0.00	44.22 2.34 0.00	41.15 2.14 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.68 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.01 2.39 0.00	55.37 2.08 0.00	50.44 2.03 0.00	46.15 1.94 0.00
AST_ENERGY_2_CC3 323677	48.00 1.76 0.00	41.26 1.24 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.65 3.09 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.30 2.10 0.00	44.14 2.26 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.18 2.56 0.00	55.48 2.19 0.00	50.44 2.03 0.00	46.07 1.86 0.00
AST_ENERGY_2_CC4 323678	48.00 1.76 0.00	41.26 1.24 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.65 3.09 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.30 2.10 0.00	44.14 2.26 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.18 2.56 0.00	55.48 2.19 0.00	50.44 2.03 0.00	46.07 1.86 0.00

ATHENS_STG_1 23668	46.71 0.46 0.00	40.22 0.20 0.00	38.78 0.16 0.00	39.25 0.20 0.00	39.85 0.12 0.00	44.34 0.35 0.00	61.06 0.54 0.00	74.67 1.11 0.00	58.70 0.81 0.00	46.15 0.68 0.00	41.98 0.78 0.00	42.76 0.88 0.00	39.94 0.93 0.00	42.87 0.96 0.00	42.76 1.00 0.00	43.86 1.15 0.00	48.54 1.18 0.00	53.89 1.21 0.00	60.35 1.30 0.00	66.44 1.43 0.00	56.85 1.22 0.00	54.31 1.01 0.00	49.32 0.92 0.00	45.05 0.84 0.00
ATHENS_STG_2 23670	46.71 0.46 0.00	40.22 0.20 0.00	38.78 0.16 0.00	39.25 0.20 0.00	39.85 0.12 0.00	44.34 0.35 0.00	61.06 0.54 0.00	74.67 1.11 0.00	58.70 0.81 0.00	46.15 0.68 0.00	41.98 0.78 0.00	42.76 0.88 0.00	39.94 0.93 0.00	42.87 0.96 0.00	42.76 1.00 0.00	43.86 1.15 0.00	48.54 1.18 0.00	53.89 1.21 0.00	60.35 1.30 0.00	66.44 1.43 0.00	56.85 1.22 0.00	54.31 1.01 0.00	49.32 0.92 0.00	45.05 0.84 0.00
ATHENS_STG_3 23677	46.71 0.46 0.00	40.22 0.20 0.00	38.78 0.16 0.00	39.25 0.20 0.00	39.85 0.12 0.00	44.34 0.35 0.00	61.06 0.54 0.00	74.67 1.11 0.00	58.70 0.81 0.00	46.15 0.68 0.00	41.98 0.78 0.00	42.76 0.88 0.00	39.94 0.93 0.00	42.87 0.96 0.00	42.76 1.00 0.00	43.86 1.15 0.00	48.54 1.18 0.00	53.89 1.21 0.00	60.35 1.30 0.00	66.44 1.43 0.00	56.85 1.22 0.00	54.31 1.01 0.00	49.32 0.92 0.00	45.05 0.84 0.00
AUBURN___LFGE 323710	46.24 0.00 0.00	39.82 -0.20 0.00	38.39 -0.23 0.00	38.82 -0.23 0.00	39.53 -0.20 0.00	43.86 -0.13 0.00	62.78 0.00 -2.27	76.96 -0.07 -3.47	58.86 -0.17 -1.14	46.39 -0.32 -1.24	42.16 -0.21 -1.17	42.76 -0.29 -1.18	39.80 -0.31 -1.10	42.65 -0.38 -1.12	42.46 -0.42 -1.12	44.66 -0.34 -2.30	47.72 -0.33 -0.69	55.80 -0.26 -3.39	60.59 -0.12 -1.66	67.21 0.00 -2.20	57.00 0.06 -1.32	53.99 0.00 -0.70	52.24 -0.15 -3.98	44.00 -0.31 -0.10
BABYLON_RES_REC 323704	48.74 2.50 0.00	41.98 1.96 0.00	40.28 1.66 0.00	40.65 1.60 0.00	41.44 1.71 0.00	46.23 2.24 0.00	62.94 2.42 0.00	76.88 3.31 0.00	60.26 2.37 0.00	47.92 2.45 0.00	43.84 2.64 0.00	44.56 2.46 0.00	41.47 2.85 0.00	44.75 3.01 -0.01	44.78 3.16 -0.01	45.88 3.31 -0.01	50.68 3.53 -0.01	56.21 3.84 -0.01	62.89 4.36 -0.01	71.70 4.36 -2.34	59.20 3.56 -0.01	56.51 3.20 -0.01	51.07 2.66 0.00	46.86 2.65 0.00
BALL_HILL_WT_PWR 323825	43.33 -2.91 0.00	36.74 -3.28 0.00	35.53 -3.09 0.00	35.62 -3.44 0.00	36.03 -3.69 0.00	39.41 -4.58 0.00	40.56 -6.78 13.18	44.29 -9.12 20.15	41.75 -6.25 9.88	29.33 -4.82 11.32	26.14 -4.37 10.69	26.47 -4.61 10.79	24.38 -4.56 10.06	23.46 -5.03 13.41	23.41 -5.05 13.29	18.76 -5.25 18.69	19.79 -5.92 21.65	23.28 -6.48 22.92	28.44 -7.09 23.52	29.13 -7.67 28.21	28.84 -6.62 20.16	24.46 -6.45 22.39	22.48 -6.05 19.87	26.95 -5.70 11.56
BARON_WINDS___WT_PWR 323822	44.44 -1.80 0.00	38.02 -2.00 0.00	36.77 -1.85 0.00	37.02 -2.03 0.00	37.58 -2.15 0.00	41.39 -2.60 0.00	25.46 -3.87 31.18	20.38 -5.52 47.66	14.99 -3.94 38.96	-4.52 -3.32 46.68	-6.00 -3.09 44.11	-6.00 -3.35 44.52	-6.00 -3.51 41.50	-6.00 -4.02 43.88	-6.00 -4.01 43.75	-6.00 -3.93 44.78	-6.00 -4.22 49.14	-6.00 -4.42 54.25	-6.00 -4.73 60.32	-6.00 -4.94 66.06	-6.00 -4.23 57.39	-6.00 -4.05 55.25	-6.00 -3.87 50.53	-6.00 -3.67 46.54
BARRETT_IC_1 23704	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_10 23701	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_11 23702	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_12 23703	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_2 23705	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_3 23706	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_4 23707	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_5 23708	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00

BARRETT_IC_6 23709	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_7 23710	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.41 0.00	41.24 1.51 0.00	45.93 1.94 0.00	62.45 1.94 0.00	75.99 2.43 0.00	59.97 2.08 0.00	47.52 2.05 0.00	43.42 2.22 0.00	44.39 2.51 0.00	41.31 2.30 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.14 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.88 2.47 0.00	46.60 2.39 0.00
BARRETT_IC_8 23711	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT_IC_9 23700	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT__1 23545	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BARRETT__2 23546	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.92 1.93 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.19 2.18 0.00	44.37 2.47 0.00	44.36 2.59 -0.01	45.41 2.69 -0.01	50.21 2.84 -0.01	55.69 3.00 -0.01	62.19 3.13 -0.01	70.13 2.86 -2.27	58.58 2.95 -0.01	55.92 2.61 -0.01	50.87 2.47 0.00	46.59 2.39 0.00
BATAVIA__115KV_TB1 55881	43.84 -2.40 0.00	37.18 -2.84 0.00	35.88 -2.74 0.00	36.08 -2.97 0.00	36.71 -3.02 0.00	40.34 -3.65 0.00	49.72 -4.78 6.01	58.64 -5.74 9.19	47.38 -5.33 5.18	35.57 -3.91 5.99	32.28 -3.25 5.66	32.65 -3.52 5.71	30.17 -3.51 5.32	19.76 -3.90 18.25	20.07 -3.84 17.85	8.30 -3.97 30.44	-10.12 -4.31 53.17	30.40 -4.90 17.38	35.43 -5.02 18.60	36.66 -5.40 22.96	35.66 -4.67 15.29	30.22 -4.42 18.65	30.36 -4.21 13.83	32.65 -4.07 7.49
BAYONEEC__CTG1 323682	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BAYONEEC__CTG10 323750	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BAYONEEC__CTG2 323683	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BAYONEEC__CTG3 323684	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BAYONEEC__CTG4 323685	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BAYONEEC__CTG5 323686	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BAYONEEC__CTG6 323687	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BAYONEEC__CTG7 323688	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00

BAYONEEC___CTG8 323689	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BAYONEEC___CTG9 323749	47.96 1.71 0.00	41.22 1.20 0.00	39.62 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.02 1.81 0.00
BEACON___LESR 323632	47.44 1.20 0.00	41.10 1.08 0.00	39.67 1.04 0.00	40.14 1.09 0.00	40.76 1.03 0.00	45.27 1.28 0.00	62.51 1.99 0.00	76.07 2.50 0.00	59.74 1.85 0.00	46.74 1.27 0.00	42.18 0.99 0.00	42.88 1.00 0.00	40.02 1.01 0.00	43.03 1.13 0.00	42.85 1.08 0.00	44.03 1.33 0.00	48.97 1.61 0.00	54.52 1.84 0.00	61.23 2.19 0.00	67.54 2.53 0.00	57.74 2.11 0.00	55.05 1.76 0.00	50.10 1.69 0.00	45.67 1.46 0.00
BEAVER RIVER___HYD 24048	46.48 0.23 0.00	41.43 0.44 -0.97	41.15 0.66 -1.87	39.90 0.82 -0.03	42.69 1.11 -1.85	45.27 1.28 0.00	65.48 1.33 -3.64	84.20 2.06 -8.58	58.76 0.87 0.00	45.79 0.32 0.00	41.36 0.17 0.00	41.83 -0.04 0.00	38.93 -0.08 0.00	41.73 -0.17 0.00	41.43 -0.34 0.00	42.02 -0.68 0.00	46.46 -0.90 0.00	51.67 -1.00 0.00	58.04 -1.00 0.00	64.23 -0.78 0.00	55.01 -0.61 0.00	53.51 0.21 0.00	48.84 0.43 0.00	44.65 0.44 0.00
BEEBEE_GT_13 23619	44.86 -1.39 0.00	38.34 -1.68 0.00	37.00 -1.62 0.00	37.30 -1.76 0.00	37.98 -1.75 0.00	42.01 -1.98 0.00	60.63 -2.48 -2.59	74.58 -2.94 -3.96	55.08 -3.01 -0.20	43.20 -2.27 0.00	39.43 -1.77 0.00	39.99 -1.88 0.00	37.14 -1.87 -1.07	40.87 -2.10 -1.03	40.75 -2.05 1.73	38.85 -2.14 0.00	47.96 -2.27 -2.88	46.64 -2.63 3.40	56.82 -2.66 -0.43	62.59 -2.93 -0.51	53.23 -2.56 -0.16	53.57 -2.40 -2.67	40.34 -2.37 5.69	42.40 -2.34 -0.54
BENSHRST_27_KV_BENSHRST_1 355998	48.56 2.31 0.00	41.34 1.32 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.40 1.41 0.00	62.33 1.82 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.52 2.05 0.00	43.46 2.27 0.00	44.39 2.51 0.00	41.35 2.34 0.00	44.42 2.51 0.00	44.35 2.59 0.00	45.40 2.69 0.00	50.01 2.65 0.00	55.47 2.79 0.00	61.94 2.89 0.00	68.19 3.19 0.00	58.18 2.56 0.00	55.43 2.13 0.00	50.49 2.08 0.00	46.11 1.90 0.00
BETHLEHEM___GRP 23843	46.94 0.69 0.00	40.70 0.68 0.00	39.28 0.66 0.00	39.72 0.66 0.00	40.36 0.64 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.11 1.22 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.55 0.67 0.00	39.63 0.62 0.00	42.66 0.75 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.14 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
BETHLEHEM___GS1 323560	46.94 0.69 0.00	40.70 0.68 0.00	39.24 0.62 0.00	39.72 0.66 0.00	40.36 0.63 0.00	44.74 0.75 0.00	61.66 1.15 0.00	75.11 1.55 0.00	59.05 1.16 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.54 0.67 0.00	39.67 0.66 0.00	42.66 0.76 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.13 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.53 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
BETHLEHEM___GS2 323561	46.94 0.69 0.00	40.70 0.68 0.00	39.24 0.62 0.00	39.72 0.66 0.00	40.36 0.63 0.00	44.74 0.75 0.00	61.66 1.15 0.00	75.11 1.55 0.00	59.05 1.16 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.54 0.67 0.00	39.67 0.66 0.00	42.66 0.76 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.13 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.53 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
BETHLEHEM___GS3 323562	46.94 0.69 0.00	40.70 0.68 0.00	39.24 0.62 0.00	39.72 0.66 0.00	40.36 0.63 0.00	44.74 0.75 0.00	61.66 1.15 0.00	75.11 1.55 0.00	59.05 1.16 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.54 0.67 0.00	39.67 0.66 0.00	42.66 0.76 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.13 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.53 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
BETHLEHEM___STEEL 23779	43.24 -3.01 0.00	36.62 -3.40 0.00	35.38 -3.24 0.00	35.54 -3.51 0.00	35.95 -3.77 0.00	39.28 -4.71 0.00	41.59 -6.29 12.64	46.67 -7.58 19.31	42.22 -6.25 9.42	29.93 -4.77 10.76	26.82 -4.20 10.17	27.13 -4.48 10.27	25.03 -4.41 9.57	24.03 -4.86 13.01	23.99 -4.89 12.89	19.31 -5.08 18.32	20.17 -5.68 21.50	23.94 -6.32 22.41	29.02 -6.91 23.12	29.63 -7.54 27.83	29.45 -6.45 19.72	24.90 -6.24 22.16	23.31 -5.86 19.24	27.53 -5.57 11.11
BETHLHEM_115KV_TB1 79974	46.84 0.60 0.00	40.54 0.52 0.00	39.12 0.50 0.00	39.56 0.51 0.00	40.21 0.48 0.00	44.61 0.62 0.00	61.48 0.97 0.00	74.67 1.10 0.00	58.82 0.93 0.00	46.15 0.68 0.00	41.73 0.54 0.00	42.46 0.59 0.00	39.55 0.55 0.00	42.53 0.63 0.00	42.39 0.63 0.00	43.47 0.77 0.00	48.30 0.95 0.00	53.73 1.05 0.00	60.29 1.24 0.00	66.37 1.37 0.00	56.85 1.22 0.00	54.31 1.01 0.00	49.33 0.92 0.00	45.05 0.84 0.00
BETHPAGE_CC_5 323564	48.46 2.22 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.46 1.40 0.00	41.24 1.51 0.00	45.88 1.89 0.00	62.51 1.99 0.00	76.43 2.87 0.00	59.97 2.08 0.00	47.61 2.14 0.00	43.59 2.39 0.00	44.30 2.43 0.00	41.23 2.22 0.00	44.59 2.68 0.00	44.57 2.80 -0.01	45.58 2.86 -0.01	50.35 2.99 -0.01	55.85 3.16 -0.01	62.42 3.36 -0.01	71.31 3.83 -2.46	58.75 3.11 -0.01	56.13 2.82 -0.01	50.73 2.32 0.00	46.51 2.30 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	43.56 -2.68 0.00	36.94 -3.08 0.00	35.69 -2.94 0.00	35.85 -3.20 0.00	36.27 -3.46 0.00	39.63 -4.36 0.00	42.31 -5.81 12.40	47.63 -6.99 18.95	43.21 -5.62 9.07	30.85 -4.27 10.35	27.63 -3.79 9.78	27.94 -4.06 9.87	25.75 -4.06 9.20	24.90 -4.44 12.56	24.85 -4.47 12.45	20.13 -4.70 17.88	21.49 -5.26 20.61	24.83 -5.85 22.00	30.41 -6.38 22.26	31.06 -7.02 26.93	30.73 -6.01 18.89	26.30 -5.81 21.19	23.83 -5.52 19.06	28.66 -5.22 10.33
BINGHAMTON___COGEN 23790	46.20 -0.05 0.00	39.74 -0.28 0.00	38.31 -0.31 0.00	38.70 -0.35 0.00	39.37 -0.36 0.00	43.59 -0.40 0.00	57.55 -0.36 2.60	68.93 -0.66 3.97	57.23 -0.46 0.20	45.06 -0.41 0.00	40.87 -0.33 0.00	41.46 -0.42 0.00	38.54 -0.47 0.00	40.81 -0.54 0.55	40.69 -0.54 0.53	39.49 -0.51 2.70	44.26 -0.52 2.57	48.66 -0.47 3.54	55.82 -0.41 2.82	60.97 -0.33 3.71	53.15 -0.33 2.14	50.51 -0.32 2.47	44.69 -0.44 3.28	43.32 -0.44 0.44

BIXINCNT_115KV_LOAD 355685	43.98 -2.27 0.00	37.38 -2.64 0.00	36.07 -2.55 0.00	36.16 -2.89 0.00	36.55 -3.18 0.00	39.90 -4.09 0.00	43.01 -5.63 11.87	48.43 -6.99 18.15	43.99 -5.62 8.28	31.62 -4.46 9.39	27.99 -4.33 8.88	28.18 -4.73 8.96	25.90 -4.76 8.35	25.13 -5.24 11.53	25.12 -5.22 11.43	20.68 -5.47 16.56	23.26 -6.16 17.94	25.05 -6.85 20.78	31.65 -7.74 19.66	32.29 -8.52 24.20	31.91 -7.34 16.37	27.91 -7.14 18.24	23.20 -6.68 18.53	30.05 -6.23 7.92
BLACK RIVER___HYD 24047	47.22 0.97 0.00	41.76 1.00 -0.74	41.16 1.12 -1.42	40.40 1.33 -0.02	42.76 1.63 -1.40	45.97 1.98 0.00	65.45 2.18 -2.76	83.40 3.31 -6.52	59.51 1.62 0.00	46.06 0.59 0.00	41.61 0.41 0.00	42.00 0.13 0.00	39.20 0.20 0.00	42.07 0.17 0.00	41.89 0.13 0.00	42.71 0.00 0.00	47.31 -0.05 0.00	52.99 0.32 0.00	59.64 0.59 0.00	66.31 1.30 0.00	56.68 1.05 0.00	54.84 1.55 0.00	49.91 1.50 0.00	45.53 1.33 0.00
BLACKRVR_115KV_TB2 79977	47.21 0.97 0.00	41.76 1.00 -0.74	41.16 1.12 -1.42	40.40 1.33 -0.02	42.76 1.63 -1.40	45.97 1.98 0.00	65.52 2.24 -2.76	83.54 3.46 -6.52	59.51 1.62 0.00	46.06 0.59 0.00	41.61 0.41 0.00	41.96 0.08 0.00	39.20 0.20 0.00	42.11 0.21 0.00	41.89 0.13 0.00	42.71 0.00 0.00	47.31 -0.05 0.00	52.99 0.32 0.00	59.64 0.59 0.00	66.31 1.30 0.00	56.68 1.06 0.00	54.84 1.55 0.00	49.91 1.50 0.00	45.53 1.33 0.00
BLDWN_LI_69_KV_BK4 356085	48.65 2.40 0.00	41.86 1.84 0.00	40.21 1.58 0.00	40.62 1.56 0.00	41.36 1.63 0.00	46.10 2.11 0.00	62.81 2.30 0.00	76.43 2.87 0.00	60.32 2.43 0.00	47.74 2.27 0.00	43.67 2.47 0.00	44.60 2.72 0.00	41.50 2.50 0.00	44.63 2.72 0.00	44.61 2.84 -0.01	45.66 2.95 -0.01	50.49 3.13 -0.01	56.06 3.37 -0.01	62.66 3.60 -0.01	71.59 3.84 -2.74	58.97 3.34 -0.01	56.35 3.04 -0.01	51.02 2.61 0.00	46.73 2.52 0.00
BLISS_WT_PWR 323608	43.93 -2.31 0.00	37.38 -2.64 0.00	36.11 -2.51 0.00	36.12 -2.93 0.00	36.47 -3.26 0.00	39.77 -4.22 0.00	42.10 -6.54 11.87	47.18 -8.24 18.15	43.70 -5.91 8.28	31.35 -4.73 9.39	27.62 -4.70 8.88	27.85 -5.07 8.96	25.51 -5.15 8.35	24.71 -5.66 11.53	24.70 -5.64 11.43	20.29 -5.85 16.57	22.82 -6.58 17.96	24.52 -7.37 20.78	30.99 -8.38 19.67	31.64 -9.16 24.20	31.30 -7.96 16.37	27.33 -7.73 18.24	22.67 -7.21 18.53	29.57 -6.72 7.92
BLUESTONE___WT_PWR 323821	47.49 1.25 0.00	40.98 0.96 0.00	39.62 1.00 0.00	40.14 1.09 0.00	40.96 1.23 0.00	45.57 1.58 0.00	62.57 2.06 0.00	76.21 2.64 0.00	59.69 1.80 0.00	46.56 1.09 0.00	42.14 0.95 0.00	42.59 0.71 0.00	39.67 0.66 0.00	42.61 0.71 0.00	42.52 0.75 0.00	46.56 0.90 -2.95	49.28 1.04 -0.89	59.08 2.05 -4.35	63.48 2.30 -2.13	70.57 2.73 -2.83	59.54 2.23 -1.69	55.63 1.44 -0.89	54.78 1.26 -5.11	45.45 1.11 -0.13
BLUE_CIRC_CHEM_DRP 24182	47.21 0.97 0.00	40.90 0.88 0.00	39.47 0.85 0.00	39.91 0.86 0.00	40.56 0.83 0.00	44.96 0.97 0.00	61.97 1.45 0.00	75.18 1.62 0.00	59.11 1.22 0.00	46.24 0.77 0.00	41.73 0.54 0.00	42.50 0.63 0.00	39.59 0.59 0.00	42.61 0.71 0.00	42.43 0.67 0.00	43.56 0.85 0.00	48.45 1.09 0.00	53.94 1.26 0.00	60.58 1.54 0.00	66.76 1.76 0.00	57.13 1.50 0.00	54.58 1.28 0.00	49.66 1.26 0.00	45.31 1.11 0.00
BOC_GAS_DRP 24189	46.71 0.46 0.00	40.42 0.40 0.00	39.01 0.39 0.00	39.44 0.39 0.00	40.09 0.36 0.00	44.47 0.48 0.00	61.24 0.73 0.00	74.37 0.81 0.00	58.64 0.75 0.00	46.02 0.55 0.00	41.61 0.41 0.00	42.38 0.50 0.00	39.48 0.47 0.00	42.45 0.54 0.00	42.31 0.54 0.00	43.39 0.68 0.00	48.16 0.81 0.00	53.57 0.90 0.00	60.05 1.00 0.00	66.18 1.17 0.00	56.63 1.00 0.00	54.10 0.80 0.00	49.18 0.77 0.00	44.87 0.66 0.00
BOONVILLE_115KV_TB1 79983	46.80 0.55 0.00	40.95 0.56 -0.37	40.00 0.66 -0.72	39.84 0.78 -0.01	41.39 0.95 -0.71	45.13 1.14 0.00	63.24 1.33 -1.40	78.84 1.99 -3.29	59.05 1.16 0.00	46.11 0.64 0.00	41.73 0.54 0.00	42.25 0.38 0.00	39.40 0.39 0.00	42.28 0.38 0.00	42.05 0.29 0.00	42.83 0.13 0.00	47.45 0.09 0.00	52.89 0.21 0.00	59.34 0.30 0.00	65.53 0.52 0.00	56.07 0.44 0.00	53.99 0.69 0.00	49.13 0.73 0.00	44.87 0.66 0.00
BORALEX_4TH_BRANCH 23824	46.38 0.14 0.00	40.34 0.32 0.00	38.93 0.31 0.00	39.40 0.35 0.00	39.97 0.24 0.00	44.43 0.44 0.00	61.48 0.97 0.00	74.74 1.18 0.00	59.05 1.16 0.00	46.15 0.68 0.00	41.40 0.21 0.00	42.29 0.42 0.00	39.36 0.35 0.00	42.36 0.46 0.00	42.18 0.42 0.00	43.35 0.64 0.00	48.40 1.04 0.00	54.10 1.42 0.00	60.76 1.71 0.00	66.96 1.95 0.00	57.52 1.89 0.00	54.74 1.44 0.00	49.66 1.26 0.00	45.31 1.11 0.00
BOWLINE___1 23526	47.49 1.25 0.00	40.90 0.88 0.00	39.35 0.73 0.00	39.87 0.82 0.00	40.48 0.75 0.00	45.04 1.05 0.00	62.03 1.51 0.00	75.92 2.35 0.00	59.62 1.74 0.00	46.93 1.45 0.00	42.68 1.48 0.00	43.47 1.59 0.00	40.49 1.48 0.00	43.58 1.68 0.00	43.48 1.71 0.00	44.58 1.88 0.00	49.30 1.94 0.00	54.78 2.11 0.00	61.29 2.24 0.00	67.54 2.53 0.00	57.62 2.00 0.00	54.95 1.65 0.00	49.91 1.50 0.00	45.62 1.41 0.00
BOWLINE___2 23595	47.49 1.25 0.00	40.90 0.88 0.00	39.35 0.73 0.00	39.87 0.82 0.00	40.48 0.75 0.00	45.04 1.05 0.00	62.03 1.51 0.00	75.92 2.35 0.00	59.62 1.74 0.00	46.93 1.45 0.00	42.68 1.48 0.00	43.47 1.59 0.00	40.49 1.48 0.00	43.58 1.68 0.00	43.48 1.71 0.00	44.58 1.88 0.00	49.30 1.94 0.00	54.78 2.11 0.00	61.29 2.24 0.00	67.54 2.53 0.00	57.62 2.00 0.00	54.95 1.65 0.00	49.91 1.50 0.00	45.62 1.41 0.00
BRADY___115KV_TB2 356060	47.31 1.06 0.00	44.58 1.40 -3.15	46.05 1.35 -6.08	40.51 1.37 -0.09	47.24 1.51 -6.00	45.44 1.45 0.00	73.79 1.45 -11.83	103.31 1.84 -27.90	58.76 0.87 0.00	46.24 0.77 0.00	41.81 0.62 0.00	42.34 0.46 0.00	39.52 0.51 0.00	42.36 0.46 0.00	42.35 0.58 0.00	42.79 0.09 0.00	47.41 0.05 0.00	52.62 -0.05 0.00	59.17 0.12 0.00	64.88 -0.13 0.00	55.62 0.00 0.00	53.99 0.69 0.00	49.28 0.87 0.00	45.23 1.02 0.00
BRANSCOMB___SOLAR 323811	47.08 0.83 0.00	40.74 0.72 0.00	39.35 0.73 0.00	39.79 0.74 0.00	40.44 0.72 0.00	44.92 0.93 0.00	62.09 1.57 0.00	75.62 2.06 0.00	59.28 1.39 0.00	46.15 0.68 0.00	41.57 0.37 0.00	42.25 0.38 0.00	39.51 0.51 0.00	42.53 0.63 0.00	42.35 0.58 0.00	43.52 0.81 0.00	48.45 1.09 0.00	54.04 1.37 0.00	60.82 1.77 0.00	67.09 2.08 0.00	57.40 1.78 0.00	54.68 1.38 0.00	49.71 1.31 0.00	45.31 1.11 0.00
BRDGHMPT_69_KV_BK1 55812	49.06 2.82 0.00	42.26 2.24 0.00	40.59 1.97 0.00	40.89 1.84 0.00	41.79 2.07 0.00	46.76 2.77 0.00	63.90 3.39 0.00	77.24 3.68 0.00	61.36 3.47 0.00	48.79 3.32 0.00	44.74 3.54 0.00	45.56 3.69 0.00	42.17 3.16 0.00	45.25 3.35 0.00	45.24 3.47 -0.01	46.43 3.72 -0.01	51.44 4.07 -0.01	56.90 4.21 -0.01	63.90 4.84 -0.01	72.49 5.33 -2.15	60.14 4.51 -0.01	57.36 4.05 -0.01	51.50 3.10 0.00	47.21 3.01 0.00

BRENTWOD_69_KV_W. BRTWOOD 56703	49.06 2.82 0.00	42.26 2.24 0.00	40.59 1.97 0.00	40.93 1.87 0.00	41.71 1.99 0.00	46.54 2.55 0.00	63.36 2.84 0.00	76.88 3.31 0.00	60.73 2.84 0.00	48.24 2.77 0.00	44.16 2.97 0.00	45.10 3.22 0.00	41.90 2.89 0.00	45.04 3.14 0.00	45.11 3.34 -0.01	46.22 3.50 -0.01	51.01 3.65 -0.01	56.58 3.90 -0.01	63.37 4.31 -0.01	72.06 4.88 -2.18	59.64 4.00 -0.01	56.93 3.62 -0.01	51.36 2.95 0.00	47.17 2.96 0.00
BRISTLHL_115KV_TB1 79998	45.41 -0.83 0.00	39.31 -0.84 -0.13	38.05 -0.81 -0.24	38.24 -0.82 0.00	39.17 -0.79 -0.24	43.15 -0.84 0.00	60.02 -0.97 -0.47	73.43 -1.25 -1.11	56.85 -1.04 0.00	44.52 -0.95 0.00	40.37 -0.82 0.00	41.04 -0.84 0.00	38.15 -0.86 0.00	41.02 -0.88 0.00	40.84 -0.92 0.00	41.81 -0.90 0.00	46.41 -0.95 0.00	51.67 -1.00 0.00	58.04 -1.00 0.00	63.97 -1.04 0.00	54.73 -0.89 0.00	52.45 -0.85 0.00	47.54 -0.87 0.00	43.32 -0.88 0.00
BROOKHAVEN__DRP 24191	48.93 2.68 0.00	42.10 2.08 0.00	40.44 1.82 0.00	40.77 1.72 0.00	41.60 1.87 0.00	46.45 2.46 0.00	63.24 2.72 0.00	76.21 2.65 0.00	60.44 2.55 0.00	48.06 2.59 0.00	44.04 2.84 0.00	44.89 3.02 0.00	41.70 2.69 0.00	44.88 2.98 0.00	44.90 3.13 -0.01	46.09 3.37 -0.01	50.97 3.60 -0.01	56.48 3.79 -0.01	63.31 4.25 -0.01	71.84 4.68 -2.15	59.58 3.95 -0.01	56.93 3.62 -0.01	51.26 2.86 0.00	47.04 2.83 0.00
BROOKLYN_NAVY_YARD 23515	47.91 1.66 0.00	41.18 1.16 0.00	39.62 1.00 0.00	40.14 1.09 0.00	40.80 1.07 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.30 2.10 0.00	44.14 2.26 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.14 2.38 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.18 2.56 0.00	55.43 2.13 0.00	50.34 1.94 0.00	46.02 1.81 0.00
BROOKLYN__ARMY_DRP 323595	48.37 2.13 0.00	41.22 1.20 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.65 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.22 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
BROOME_2_LFGE 323671	46.20 -0.05 0.00	39.74 -0.28 0.00	38.35 -0.27 0.00	38.70 -0.35 0.00	39.37 -0.36 0.00	43.59 -0.40 0.00	57.31 -0.61 2.60	68.71 -0.88 3.97	57.23 -0.47 0.20	45.06 -0.41 0.00	40.87 -0.33 0.00	41.46 -0.42 0.00	38.54 -0.47 0.00	40.80 -0.55 0.55	40.68 -0.54 0.53	39.49 -0.51 2.70	44.27 -0.52 2.57	48.71 -0.42 3.54	55.82 -0.41 2.82	60.97 -0.41 3.71	53.15 -0.32 2.14	50.51 -0.32 2.47	44.69 -0.44 3.28	43.32 -0.44 0.44
BROOME__LFGE 323600	46.20 -0.05 0.00	39.74 -0.28 0.00	38.35 -0.27 0.00	38.70 -0.35 0.00	39.37 -0.36 0.00	43.59 -0.40 0.00	57.31 -0.61 2.60	68.71 -0.88 3.97	57.23 -0.47 0.20	45.06 -0.41 0.00	40.87 -0.33 0.00	41.46 -0.42 0.00	38.54 -0.47 0.00	40.80 -0.55 0.55	40.68 -0.54 0.53	39.49 -0.51 2.70	44.27 -0.52 2.57	48.71 -0.42 3.54	55.82 -0.41 2.82	60.97 -0.41 3.71	53.15 -0.32 2.14	50.51 -0.32 2.47	44.69 -0.44 3.28	43.32 -0.44 0.44
BROWNFLS_115KV_TB_3_5 80003	46.34 0.09 0.00	42.14 0.44 -1.68	42.39 0.54 -3.23	39.73 0.62 -0.05	43.79 0.87 -3.19	44.83 0.84 0.00	67.35 0.54 -6.29	89.43 1.03 -14.83	58.06 0.17 0.00	45.47 0.00 0.00	41.11 -0.08 0.00	41.58 -0.29 0.00	38.77 -0.23 0.00	41.57 -0.34 0.00	41.34 -0.42 0.00	41.85 -0.85 0.00	46.27 -1.09 0.00	51.36 -1.32 0.00	57.69 -1.36 0.00	63.51 -1.50 0.00	54.46 -1.17 0.00	52.98 -0.32 0.00	48.41 0.00 0.00	44.39 0.18 0.00
BROWNSV1_27_KV_LOAD 356125	48.32 2.08 0.00	41.50 1.48 0.00	39.94 1.31 0.00	40.46 1.41 0.00	41.12 1.39 0.00	45.75 1.76 0.00	63.00 2.48 0.00	76.88 3.31 0.00	60.67 2.78 0.00	47.79 2.32 0.00	43.59 2.39 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.50 2.60 0.00	44.39 2.63 0.00	45.48 2.78 0.00	50.29 2.94 0.00	55.84 3.16 0.00	62.36 3.31 0.00	68.65 3.64 0.00	58.57 2.95 0.00	55.86 2.56 0.00	50.73 2.32 0.00	46.37 2.17 0.00
BURROWS__LYONSDAL 23803	46.61 0.37 0.00	40.99 0.48 -0.49	40.18 0.62 -0.94	39.81 0.74 -0.01	41.61 0.95 -0.93	45.13 1.14 0.00	63.68 1.33 -1.84	79.88 1.99 -4.33	58.93 1.04 0.00	45.97 0.50 0.00	41.61 0.41 0.00	42.13 0.25 0.00	39.24 0.23 0.00	42.11 0.21 0.00	41.80 0.04 0.00	42.54 -0.17 0.00	47.07 -0.28 0.00	52.41 -0.26 0.00	58.81 -0.24 0.00	65.01 0.00 0.00	55.62 0.00 0.00	53.72 0.43 0.00	48.99 0.58 0.00	44.74 0.53 0.00
CAITHNESS_CC_1 323624	48.78 2.54 0.00	42.02 2.00 0.00	40.32 1.70 0.00	40.69 1.64 0.00	41.52 1.79 0.00	46.32 2.33 0.00	63.00 2.48 0.00	76.51 2.95 0.00	60.09 2.20 0.00	47.92 2.45 0.00	43.96 2.76 0.00	44.64 2.76 0.00	41.51 2.50 0.00	44.79 2.89 0.00	44.82 3.05 -0.01	46.00 3.29 -0.01	50.87 3.50 -0.01	56.37 3.69 -0.01	63.13 4.07 -0.01	71.71 4.55 -2.15	59.42 3.78 -0.01	56.77 3.46 -0.01	51.16 2.76 0.00	46.95 2.74 0.00
CALPINE BETH_PAGE_GT4 24209	48.51 2.27 0.00	41.74 1.72 0.00	40.13 1.51 0.00	40.50 1.44 0.00	41.24 1.51 0.00	45.84 1.85 0.00	62.51 2.00 0.00	76.07 2.50 0.00	60.03 2.14 0.00	47.56 2.09 0.00	43.50 2.31 0.00	44.60 2.72 0.00	41.47 2.46 0.00	44.58 2.68 0.00	44.57 2.80 -0.01	45.54 2.82 -0.01	50.30 2.94 -0.01	55.79 3.11 -0.01	62.37 3.31 -0.01	71.32 3.71 -2.61	58.69 3.06 -0.01	56.03 2.72 -0.01	50.68 2.28 0.00	46.46 2.25 0.00
CALPINE_BETH_PAGE_GT_4 323586	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.50 1.45 0.00	41.24 1.51 0.00	45.84 1.85 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.56 2.09 0.00	43.50 2.31 0.00	44.26 2.39 0.00	41.19 2.18 0.00	44.59 2.68 0.00	44.57 2.80 -0.01	45.53 2.82 -0.01	50.31 2.94 -0.01	55.79 3.11 -0.01	62.36 3.30 -0.01	71.32 3.70 -2.61	58.69 3.06 -0.01	56.03 2.72 -0.01	50.68 2.28 0.00	46.46 2.25 0.00
CALPINE_BP_GT1 23823	48.51 2.27 0.00	41.74 1.72 0.00	40.09 1.47 0.00	40.50 1.45 0.00	41.24 1.51 0.00	45.84 1.85 0.00	62.45 1.94 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.56 2.09 0.00	43.50 2.31 0.00	44.26 2.39 0.00	41.19 2.18 0.00	44.59 2.68 0.00	44.57 2.80 -0.01	45.53 2.82 -0.01	50.31 2.94 -0.01	55.79 3.11 -0.01	62.36 3.30 -0.01	71.32 3.70 -2.61	58.69 3.06 -0.01	56.03 2.72 -0.01	50.68 2.28 0.00	46.46 2.25 0.00
CALSPAN__DRP 24200	43.24 -3.01 0.00	36.62 -3.40 0.00	35.38 -3.24 0.00	35.54 -3.51 0.00	35.95 -3.77 0.00	39.28 -4.71 0.00	41.59 -6.29 12.64	46.67 -7.58 19.31	42.22 -6.25 9.42	29.93 -4.77 10.76	26.82 -4.20 10.17	27.13 -4.48 10.27	25.03 -4.41 9.57	24.03 -4.86 13.01	23.99 -4.89 12.89	19.31 -5.08 18.32	20.17 -5.68 21.50	23.94 -6.32 22.41	29.02 -6.91 23.12	29.63 -7.54 27.83	29.45 -6.45 19.72	24.90 -6.24 22.16	23.31 -5.86 19.24	27.53 -5.57 11.11

CALVERTON__SOLAR 323806	49.02 2.77 0.00	42.18 2.16 0.00	40.48 1.85 0.00	40.81 1.76 0.00	41.67 1.95 0.00	46.54 2.55 0.00	63.36 2.84 0.00	76.73 3.16 0.00	60.32 2.43 0.00	48.15 2.68 0.00	44.16 2.97 0.00	44.81 2.93 0.00	41.66 2.65 0.00	44.96 3.06 0.00	44.99 3.22 -0.01	46.17 3.46 -0.01	51.11 3.74 -0.01	56.64 3.95 -0.01	63.49 4.43 -0.01	72.04 4.88 -2.15	59.75 4.12 -0.01	57.09 3.78 -0.01	51.36 2.95 0.00	47.13 2.92 0.00
CANDIGU_WT_PWR 323617	44.44 -1.80 0.00	38.02 -2.00 0.00	36.77 -1.85 0.00	37.02 -2.03 0.00	37.58 -2.15 0.00	41.39 -2.60 0.00	25.46 -3.87 31.18	20.38 -5.52 47.66	14.99 -3.94 38.96	-4.52 -3.32 46.68	-6.00 -3.09 44.11	-6.00 -3.35 44.52	-6.00 -3.51 41.50	-6.00 -4.02 43.88	-6.00 -4.01 43.75	-6.00 -3.93 44.78	-6.00 -4.22 49.14	-6.00 -4.42 54.25	-6.00 -4.73 60.32	-6.00 -4.94 66.06	-6.00 -4.23 57.39	-6.00 -4.05 55.25	-6.00 -3.87 50.53	-6.00 -3.67 46.54
CARR STREET_E_SYR 24060	45.92 -0.32 0.00	39.64 -0.44 -0.06	38.31 -0.42 -0.11	38.63 -0.43 0.00	39.40 -0.44 -0.11	43.55 -0.44 0.00	60.19 -0.55 -0.22	73.27 -0.81 -0.52	57.42 -0.47 0.00	45.06 -0.41 0.00	40.87 -0.33 0.00	41.50 -0.38 0.00	38.62 -0.39 0.00	41.48 -0.42 0.00	41.30 -0.46 0.00	42.28 -0.43 0.00	46.93 -0.43 0.00	52.10 -0.58 0.00	58.46 -0.59 0.00	64.42 -0.59 0.00	55.12 -0.50 0.00	52.82 -0.48 0.00	47.83 -0.58 0.00	43.59 -0.62 0.00
CARTHAGE__PAPER 23857	46.80 0.56 0.00	41.57 0.72 -0.83	41.10 0.89 -1.59	40.13 1.05 -0.02	42.69 1.39 -1.57	45.62 1.63 0.00	65.43 1.81 -3.10	83.61 2.72 -7.32	59.11 1.22 0.00	45.93 0.45 0.00	41.49 0.29 0.00	41.88 0.00 0.00	39.01 0.00 0.00	41.86 -0.04 0.00	41.60 -0.17 0.00	42.28 -0.43 0.00	46.79 -0.57 0.00	52.25 -0.42 0.00	58.76 -0.29 0.00	65.20 0.20 0.00	55.79 0.17 0.00	54.15 0.85 0.00	49.32 0.92 0.00	45.05 0.84 0.00
CASSADAGA_WT_PWR 323784	43.98 -2.26 0.00	37.30 -2.72 0.00	36.03 -2.59 0.00	36.08 -2.97 0.00	36.43 -3.30 0.00	39.72 -4.27 0.00	41.55 -6.54 12.43	45.58 -8.98 19.00	42.06 -6.89 8.94	29.69 -5.59 10.18	26.30 -5.27 9.62	26.59 -5.57 9.72	24.34 -5.62 9.05	23.41 -6.20 12.29	23.27 -6.31 12.18	18.98 -6.53 17.20	21.10 -7.29 18.97	23.28 -7.96 21.44	29.56 -8.74 20.75	30.18 -9.49 25.33	29.96 -8.23 17.43	25.82 -8.10 19.38	21.82 -7.60 18.99	28.13 -7.16 8.92
CE_DUNWOOD__DRP 24194	47.77 1.53 0.00	41.10 1.08 0.00	39.55 0.93 0.00	40.07 1.02 0.00	40.68 0.95 0.00	45.31 1.32 0.00	62.39 1.88 0.00	76.07 2.50 0.00	59.97 2.08 0.00	47.20 1.73 0.00	42.97 1.77 0.00	43.84 1.97 0.00	40.84 1.83 0.00	43.87 1.97 0.00	43.81 2.05 0.00	44.88 2.18 0.00	49.63 2.27 0.00	55.15 2.48 0.00	61.65 2.60 0.00	67.93 2.93 0.00	57.96 2.34 0.00	55.27 1.97 0.00	50.20 1.79 0.00	45.84 1.64 0.00
CE_MILLWOOD__DRP 24193	47.68 1.43 0.00	41.02 1.00 0.00	39.51 0.89 0.00	39.99 0.94 0.00	40.64 0.91 0.00	45.22 1.23 0.00	62.27 1.75 0.00	75.92 2.35 0.00	59.86 1.97 0.00	47.11 1.64 0.00	42.89 1.69 0.00	43.72 1.84 0.00	40.72 1.72 0.00	43.75 1.84 0.00	43.68 1.92 0.00	44.76 2.05 0.00	49.54 2.18 0.00	55.05 2.37 0.00	61.53 2.48 0.00	67.80 2.80 0.00	57.85 2.22 0.00	55.16 1.87 0.00	50.10 1.69 0.00	45.76 1.55 0.00
CE_NYC2_DRP 24202	48.23 1.99 0.00	41.34 1.32 0.00	39.78 1.16 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.52 2.05 0.00	43.38 2.18 0.00	44.26 2.39 0.00	41.23 2.22 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.82 2.78 0.00	68.00 2.99 0.00	58.07 2.45 0.00	55.43 2.13 0.00	50.44 2.03 0.00	46.15 1.95 0.00
CE_NYC_DRP 24195	48.00 1.76 0.00	41.26 1.24 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.36 2.80 0.00	60.26 2.37 0.00	47.47 2.00 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.15 2.15 0.00	44.21 2.30 0.00	44.14 2.38 0.00	45.23 2.52 0.00	49.96 2.60 0.00	55.47 2.79 0.00	61.94 2.89 0.00	68.19 3.19 0.00	58.18 2.56 0.00	55.48 2.19 0.00	50.44 2.03 0.00	46.07 1.86 0.00
CHAFFEE__LFGE 323603	43.47 -2.77 0.00	36.82 -3.20 0.00	35.65 -2.97 0.00	35.73 -3.32 0.00	36.19 -3.54 0.00	39.55 -4.44 0.00	41.70 -6.54 12.28	46.18 -8.61 18.77	43.33 -5.67 8.89	30.98 -4.37 10.12	27.76 -3.87 9.57	28.12 -4.10 9.66	25.95 -4.06 9.00	25.10 -4.48 12.32	25.05 -4.51 12.21	20.45 -4.78 17.48	22.16 -5.40 19.80	25.04 -6.01 21.63	31.03 -6.56 21.46	31.84 -7.08 26.08	31.40 -6.12 18.11	27.11 -5.92 20.27	23.89 -5.61 18.90	29.29 -5.35 9.57
CHATEAUG_35_KV_LOAD 355732	46.47 0.23 0.00	41.01 0.64 -0.35	39.95 0.66 -0.67	39.77 0.70 -0.01	41.23 0.83 -0.66	44.87 0.88 0.00	62.91 1.09 -1.30	78.04 1.40 -3.08	58.82 0.93 0.00	46.34 0.86 0.00	41.90 0.70 0.00	42.42 0.54 0.00	39.55 0.55 0.00	42.40 0.50 0.00	42.22 0.46 0.00	42.58 -0.13 0.00	47.07 -0.28 0.00	52.10 -0.58 0.00	58.40 -0.65 0.00	63.84 -1.17 0.00	54.73 -0.89 0.00	52.93 -0.37 0.00	48.16 -0.24 0.00	44.08 -0.13 0.00
CHATEAUG_WT_PWR 323614	46.34 0.09 0.00	40.45 0.48 0.05	39.02 0.50 0.10	39.60 0.55 0.00	40.30 0.67 0.10	44.65 0.66 0.00	61.22 0.91 0.20	74.19 1.11 0.48	58.59 0.70 0.00	46.15 0.68 0.00	41.77 0.58 0.00	42.42 0.54 0.00	39.48 0.47 0.00	42.32 0.42 0.00	42.14 0.38 0.00	42.58 -0.13 0.00	47.03 -0.33 0.00	52.05 -0.63 0.00	58.28 -0.77 0.00	63.71 -1.30 0.00	54.63 -1.00 0.00	52.82 -0.48 0.00	48.07 -0.34 0.00	43.99 -0.22 0.00
CHAT_HIGH_FALL_HYD 323578	46.47 0.23 0.00	41.01 0.64 -0.35	39.95 0.66 -0.67	39.77 0.70 -0.01	41.23 0.83 -0.66	44.87 0.88 0.00	62.91 1.09 -1.30	78.04 1.40 -3.08	58.82 0.93 0.00	46.34 0.86 0.00	41.90 0.70 0.00	42.42 0.54 0.00	39.55 0.55 0.00	42.40 0.50 0.00	42.22 0.46 0.00	42.58 -0.13 0.00	47.07 -0.28 0.00	52.10 -0.58 0.00	58.40 -0.65 0.00	63.84 -1.17 0.00	54.73 -0.89 0.00	52.93 -0.37 0.00	48.16 -0.24 0.00	44.08 -0.13 0.00
CHAUTAUQUA__LFGE 323629	43.65 -2.59 0.00	37.02 -3.00 0.00	35.80 -2.82 0.00	35.85 -3.20 0.00	36.27 -3.46 0.00	39.59 -4.40 0.00	41.11 -6.66 12.75	45.18 -8.90 19.49	42.16 -6.37 9.36	29.78 -5.00 10.69	26.48 -4.61 10.10	26.82 -4.86 10.20	24.67 -4.84 9.50	23.77 -5.32 12.81	23.68 -5.39 12.69	19.13 -5.59 17.98	20.61 -6.30 20.45	23.58 -6.90 22.20	29.29 -7.50 22.25	29.99 -8.13 26.89	29.71 -7.01 18.91	25.39 -6.88 21.04	22.52 -6.49 19.40	27.80 -6.05 10.35
CHERRYST_13_KV_LD 356241	48.09 1.85 0.00	41.34 1.32 0.00	39.78 1.16 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.62 1.63 0.00	62.75 2.24 0.00	76.58 3.02 0.00	60.44 2.55 0.00	47.65 2.18 0.00	43.46 2.27 0.00	44.35 2.47 0.00	41.27 2.26 0.00	44.37 2.47 0.00	44.27 2.51 0.00	45.35 2.65 0.00	50.10 2.75 0.00	55.63 2.95 0.00	62.12 3.07 0.00	68.39 3.38 0.00	58.35 2.73 0.00	55.64 2.35 0.00	50.54 2.13 0.00	46.15 1.95 0.00

CHESTROR_138KV_BK263 355645	47.40 1.16 0.00	40.86 0.84 0.00	39.36 0.73 0.00	39.83 0.78 0.00	40.48 0.75 0.00	45.00 1.01 0.00	62.03 1.51 0.00	75.48 1.91 0.00	59.45 1.56 0.00	46.74 1.27 0.00	42.43 1.24 0.00	43.26 1.38 0.00	40.30 1.29 0.00	43.28 1.38 0.00	43.18 1.42 0.00	44.29 1.58 0.00	49.02 1.66 0.00	54.52 1.84 0.00	61.06 2.01 0.00	67.28 2.28 0.00	57.46 1.84 0.00	54.79 1.49 0.00	49.81 1.40 0.00	45.49 1.28 0.00
CH_MIDHUDSON___DRP 24192	47.58 1.34 0.00	40.98 0.96 0.00	39.47 0.85 0.00	39.95 0.90 0.00	40.60 0.87 0.00	45.13 1.14 0.00	62.27 1.75 0.00	75.70 2.13 0.00	59.74 1.85 0.00	46.88 1.41 0.00	42.56 1.36 0.00	43.42 1.55 0.00	40.45 1.44 0.00	43.45 1.55 0.00	43.35 1.59 0.00	44.46 1.75 0.00	49.20 1.85 0.00	54.78 2.11 0.00	61.29 2.24 0.00	67.54 2.54 0.00	57.68 2.06 0.00	55.00 1.71 0.00	50.00 1.60 0.00	45.67 1.46 0.00
CH_MISC_IPPS 23765	47.86 1.62 0.00	41.22 1.20 0.00	39.67 1.04 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.40 1.41 0.00	62.63 2.12 0.00	76.36 2.79 0.00	60.03 2.14 0.00	47.06 1.59 0.00	42.72 1.53 0.00	43.55 1.68 0.00	40.57 1.56 0.00	43.58 1.68 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.39 2.03 0.00	54.99 2.32 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.25 1.84 0.00	45.89 1.68 0.00
CH_RES_BVR_FALLS 23983	46.20 -0.05 0.00	40.04 0.08 0.07	38.57 0.08 0.13	39.13 0.08 0.00	39.68 0.08 0.12	44.08 0.09 0.00	60.33 0.06 0.24	73.06 0.07 0.58	57.89 0.00 0.00	45.52 0.05 0.00	41.24 0.04 0.00	41.88 0.00 0.00	39.01 0.00 0.00	41.90 0.00 0.00	41.76 0.00 0.00	42.58 -0.13 0.00	47.22 -0.14 0.00	52.47 -0.21 0.00	58.76 -0.29 0.00	64.62 -0.39 0.00	55.29 -0.33 0.00	53.14 -0.16 0.00	48.26 -0.14 0.00	44.12 -0.09 0.00
CH_RES_NIAGARA 23895	41.76 -4.49 0.00	35.46 -4.56 0.00	34.22 -4.40 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.56 -8.71 11.24	46.01 -10.37 17.18	42.06 -8.16 7.66	30.65 -6.14 8.68	27.63 -5.36 8.21	27.94 -5.65 8.28	25.83 -5.46 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.29 -6.87 21.21	24.35 -7.69 20.63	28.70 -8.44 21.91	29.04 -9.30 26.67	29.35 -7.90 18.38	24.20 -7.52 21.59	24.43 -7.02 16.96	27.85 -6.54 9.81
CH_RES_SYRACUSE 23985	46.20 -0.05 0.00	39.92 -0.16 -0.06	38.54 -0.19 -0.11	38.86 -0.19 0.00	39.64 -0.20 -0.11	43.81 -0.18 0.00	60.54 -0.18 -0.21	73.76 -0.29 -0.49	57.72 -0.17 0.00	45.29 -0.18 0.00	41.07 -0.12 0.00	41.71 -0.17 0.00	38.81 -0.21 0.00	41.69 -0.25 0.00	41.51 -0.21 0.00	42.49 -0.21 0.00	47.17 -0.19 0.00	52.47 -0.21 0.00	58.87 -0.18 0.00	64.88 -0.13 0.00	55.51 -0.11 0.00	53.19 -0.11 0.00	48.21 -0.19 0.00	43.94 -0.26 0.00
CLINTON_WT_PWR 323605	46.34 0.09 0.00	40.45 0.48 0.05	39.02 0.50 0.10	39.60 0.55 0.00	40.30 0.67 0.10	44.65 0.66 0.00	61.22 0.91 0.20	74.19 1.11 0.48	58.59 0.70 0.00	46.15 0.68 0.00	41.77 0.58 0.00	42.42 0.54 0.00	39.48 0.47 0.00	42.32 0.42 0.00	42.14 0.38 0.00	42.58 -0.13 0.00	47.03 -0.33 0.00	52.05 -0.63 0.00	58.28 -0.77 0.00	63.71 -1.30 0.00	54.63 -1.00 0.00	52.82 -0.48 0.00	48.07 -0.34 0.00	43.99 -0.22 0.00
CLINTON___LFGE 323618	46.98 0.74 0.00	41.19 1.12 -0.05	39.84 1.12 -0.10	40.19 1.13 0.00	41.10 1.27 -0.10	45.40 1.41 0.00	62.77 2.06 -0.20	76.53 2.50 -0.46	59.62 1.74 0.00	46.93 1.45 0.00	42.48 1.28 0.00	43.09 1.22 0.00	40.06 1.05 0.00	42.91 1.00 0.00	42.81 1.04 0.00	43.09 0.38 0.00	47.64 0.29 0.00	52.68 0.00 0.00	59.23 0.18 0.00	64.62 -0.39 0.00	55.46 -0.17 0.00	53.67 0.38 0.00	48.84 0.43 0.00	44.65 0.44 0.00
COBBLENY_34_KV_TB1 80064	43.47 -2.77 0.00	36.82 -3.20 0.00	35.57 -3.05 0.00	35.73 -3.32 0.00	36.19 -3.54 0.00	39.55 -4.44 0.00	42.36 -5.87 12.28	47.73 -7.06 18.77	43.21 -5.79 8.89	30.98 -4.37 10.12	27.76 -3.87 9.57	28.07 -4.15 9.66	25.91 -4.10 9.00	25.10 -4.48 12.32	25.05 -4.51 12.21	20.45 -4.78 17.47	22.17 -5.40 19.79	25.04 -6.00 21.63	31.04 -6.55 21.45	31.77 -7.15 26.09	31.40 -6.12 18.11	27.11 -5.92 20.27	23.89 -5.62 18.90	29.29 -5.35 9.57
COFFEEN___115KV_TB3 355620	47.40 1.16 0.00	41.86 1.12 -0.72	41.25 1.24 -1.39	40.52 1.44 -0.02	42.85 1.75 -1.37	46.15 2.16 0.00	65.64 2.42 -2.70	83.70 3.75 -6.38	59.63 1.74 0.00	46.11 0.64 0.00	41.65 0.45 0.00	42.00 0.13 0.00	39.20 0.20 0.00	42.11 0.21 0.00	41.89 0.13 0.00	42.75 0.04 0.00	47.45 0.09 0.00	53.15 0.47 0.00	59.93 0.89 0.00	66.63 1.63 0.00	57.02 1.39 0.00	55.11 1.81 0.00	50.10 1.69 0.00	45.71 1.50 0.00
COLDSPRG_115KV_BK1 355956	44.53 -1.71 0.00	37.82 -2.20 0.00	36.50 -2.12 0.00	36.63 -2.42 0.00	37.07 -2.66 0.00	40.56 -3.43 0.00	44.16 -4.42 11.93	49.66 -5.66 18.24	44.98 -4.63 8.28	32.40 -3.68 9.39	28.87 -3.46 8.87	29.19 -3.73 8.95	26.84 -3.82 8.35	26.19 -4.23 11.48	26.09 -4.30 11.37	22.10 -4.65 15.95	25.54 -5.21 16.61	26.75 -5.69 20.23	34.42 -6.26 18.37	35.37 -6.76 22.87	34.68 -5.84 15.10	30.73 -5.81 16.76	24.50 -5.57 18.34	32.28 -5.26 6.67
COLONIE_LFGE___ 323577	46.71 0.46 0.00	40.50 0.48 0.00	39.09 0.47 0.00	39.56 0.51 0.00	40.17 0.44 0.00	44.56 0.57 0.00	61.54 1.03 0.00	74.96 1.39 0.00	58.99 1.10 0.00	46.11 0.64 0.00	41.52 0.33 0.00	42.29 0.42 0.00	39.48 0.47 0.00	42.44 0.54 0.00	42.27 0.50 0.00	43.39 0.68 0.00	48.30 0.95 0.00	53.89 1.21 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.47 1.17 0.00	49.52 1.11 0.00	45.14 0.93 0.00
COOPERNY_115KV_TB1 80082	47.21 0.97 0.00	40.70 0.68 0.00	39.24 0.62 0.00	39.72 0.66 0.00	40.36 0.64 0.00	44.83 0.84 0.00	61.73 1.21 0.00	75.11 1.54 0.00	59.16 1.27 0.00	46.52 1.05 0.00	42.23 1.03 0.00	43.01 1.13 0.00	40.06 1.05 0.00	43.03 1.13 0.00	42.93 1.17 0.00	44.03 1.32 0.00	48.78 1.42 0.00	54.26 1.58 0.00	60.76 1.71 0.00	66.96 1.95 0.00	57.18 1.56 0.00	54.58 1.28 0.00	49.57 1.16 0.00	45.27 1.06 0.00
COPENHAGEN_WT_PWR 323753	47.08 0.83 0.00	41.56 0.84 -0.69	40.92 0.97 -1.34	40.21 1.13 -0.02	42.48 1.43 -1.32	45.75 1.76 0.00	65.11 1.99 -2.60	82.71 3.02 -6.13	59.28 1.39 0.00	45.97 0.50 0.00	41.52 0.33 0.00	41.92 0.04 0.00	39.09 0.08 0.00	41.99 0.08 0.00	41.80 0.04 0.00	42.62 -0.09 0.00	47.26 -0.09 0.00	52.89 0.21 0.00	59.52 0.47 0.00	66.11 1.10 0.00	56.57 0.94 0.00	54.68 1.38 0.00	49.71 1.31 0.00	45.36 1.15 0.00
CORNELL____ 23752	46.94 0.69 0.00	40.42 0.40 0.00	38.97 0.35 0.00	39.40 0.35 0.00	40.13 0.40 0.00	44.47 0.48 0.00	64.02 0.85 -2.65	78.50 0.88 -4.05	61.24 0.52 -2.83	48.96 0.14 -3.36	44.49 0.12 -3.17	45.08 0.00 -3.20	41.92 -0.08 -2.98	44.86 -0.08 -3.04	44.72 -0.08 -3.04	74.13 0.04 -31.38	58.73 0.19 -11.18	98.76 0.47 -45.61	83.94 0.77 -24.12	97.28 1.04 -31.23	76.21 0.89 -19.70	65.72 0.80 -11.63	101.98 0.58 -52.99	48.50 0.35 -3.94

CORONA_69_KV_TB1 355595	48.60 2.36 0.00	41.82 1.80 0.00	40.17 1.54 0.00	40.58 1.52 0.00	41.32 1.59 0.00	46.06 2.07 0.00	62.94 2.42 0.00	76.58 3.02 0.00	60.44 2.55 0.00	47.84 2.36 0.00	43.67 2.47 0.00	44.60 2.72 0.00	41.50 2.50 0.00	44.63 2.72 0.00	44.58 2.80 -0.02	45.67 2.95 -0.02	50.45 3.08 -0.02	56.01 3.32 -0.02	62.55 3.48 -0.02	73.26 3.84 -4.42	58.92 3.28 -0.02	56.25 2.93 -0.02	50.97 2.57 0.00	46.68 2.48 0.00
CORTLAND_115KV_TB3 80093	46.57 0.32 0.00	40.20 0.12 -0.05	38.84 0.12 -0.10	39.13 0.08 0.00	39.95 0.12 -0.10	44.17 0.18 0.00	61.14 0.42 -0.20	74.41 0.37 -0.48	58.12 0.23 0.00	45.47 0.00 0.00	41.20 0.00 0.00	41.79 -0.08 0.00	38.89 -0.12 0.00	41.78 -0.13 0.00	41.64 -0.13 0.00	50.60 -0.04 -7.93	49.74 0.00 -2.38	64.52 0.16 -11.68	65.07 0.30 -5.72	73.07 0.46 -7.60	60.55 0.39 -4.54	56.07 0.37 -2.40	62.33 0.19 -13.73	44.65 0.09 -0.36
COXSACKIE___GT 23611	48.55 2.31 0.00	42.02 2.00 0.00	40.55 1.93 0.00	41.08 2.03 0.00	41.75 2.03 0.00	46.28 2.29 0.00	64.27 3.75 0.00	77.39 3.82 0.00	60.43 2.54 0.00	46.79 1.32 0.00	41.98 0.78 0.00	42.71 0.84 0.00	39.83 0.82 0.00	42.87 0.96 0.00	42.68 0.92 0.00	43.95 1.24 0.00	48.97 1.61 2.26	54.94 3.01 0.00	62.06 3.44 0.00	68.45 2.89 0.00	58.52 2.56 0.00	55.86 2.56 0.00	50.97 2.56 0.00	46.55 2.34 0.00
CPV_VALLEY___CC1 323721	47.31 1.06 0.00	40.74 0.72 0.00	39.24 0.62 0.00	39.72 0.66 0.00	40.36 0.63 0.00	44.87 0.88 0.00	61.79 1.27 0.00	75.40 1.84 0.00	59.28 1.39 0.00	46.61 1.14 0.00	42.35 1.15 0.00	43.13 1.26 0.00	40.18 1.17 0.00	43.20 1.30 0.00	43.10 1.34 0.00	44.16 1.45 0.00	48.92 1.56 0.00	54.41 1.74 0.00	60.88 1.83 0.00	67.09 2.08 0.00	57.29 1.67 0.00	54.68 1.38 0.00	49.66 1.26 0.00	45.36 1.15 0.00
CPV_VALLEY___CC2 323722	47.31 1.06 0.00	40.74 0.72 0.00	39.24 0.62 0.00	39.72 0.66 0.00	40.36 0.63 0.00	44.87 0.88 0.00	61.79 1.27 0.00	75.40 1.84 0.00	59.28 1.39 0.00	46.61 1.14 0.00	42.35 1.15 0.00	43.13 1.26 0.00	40.18 1.17 0.00	43.20 1.30 0.00	43.10 1.34 0.00	44.16 1.45 0.00	48.92 1.56 0.00	54.41 1.74 0.00	60.88 1.83 0.00	67.09 2.08 0.00	57.29 1.67 0.00	54.68 1.38 0.00	49.66 1.26 0.00	45.36 1.15 0.00
CRESCENT___HYD 24018	46.71 0.46 0.00	40.50 0.48 0.00	39.09 0.47 0.00	39.56 0.51 0.00	40.17 0.44 0.00	44.56 0.57 0.00	61.54 1.03 0.00	74.96 1.39 0.00	58.99 1.10 0.00	46.11 0.64 0.00	41.52 0.33 0.00	42.29 0.42 0.00	39.48 0.47 0.00	42.44 0.54 0.00	42.27 0.50 0.00	43.39 0.68 0.00	48.30 0.95 0.00	53.89 1.21 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.47 1.17 0.00	49.52 1.11 0.00	45.14 0.93 0.00
CRICKET___VALLEY_CC1 323756	47.03 0.79 0.00	40.46 0.44 0.00	38.97 0.35 0.00	39.44 0.39 0.00	40.09 0.36 0.00	44.61 0.62 0.00	61.42 0.91 0.00	75.11 1.55 0.00	59.11 1.22 0.00	46.43 0.96 0.00	42.18 0.99 0.00	42.96 1.09 0.00	40.06 1.05 0.00	43.07 1.17 0.00	42.97 1.21 0.00	44.07 1.37 0.00	48.83 1.47 0.00	54.25 1.58 0.00	60.70 1.65 0.00	66.89 1.89 0.00	57.18 1.56 0.00	54.53 1.23 0.00	49.47 1.06 0.00	45.23 1.02 0.00
CRICKET___VALLEY_CC2 323757	47.03 0.79 0.00	40.46 0.44 0.00	38.97 0.35 0.00	39.44 0.39 0.00	40.09 0.36 0.00	44.61 0.62 0.00	61.42 0.91 0.00	75.11 1.55 0.00	59.11 1.22 0.00	46.43 0.96 0.00	42.18 0.99 0.00	42.96 1.09 0.00	40.06 1.05 0.00	43.07 1.17 0.00	42.97 1.21 0.00	44.07 1.37 0.00	48.83 1.47 0.00	54.25 1.58 0.00	60.70 1.65 0.00	66.89 1.89 0.00	57.18 1.56 0.00	54.53 1.23 0.00	49.47 1.06 0.00	45.23 1.02 0.00
CRICKET___VALLEY_CC3 323758	47.03 0.79 0.00	40.46 0.44 0.00	38.97 0.35 0.00	39.44 0.39 0.00	40.09 0.36 0.00	44.61 0.62 0.00	61.42 0.91 0.00	75.11 1.55 0.00	59.11 1.22 0.00	46.43 0.96 0.00	42.18 0.99 0.00	42.96 1.09 0.00	40.06 1.05 0.00	43.07 1.17 0.00	42.97 1.21 0.00	44.07 1.37 0.00	48.83 1.47 0.00	54.25 1.58 0.00	60.70 1.65 0.00	66.89 1.89 0.00	57.18 1.56 0.00	54.53 1.23 0.00	49.47 1.06 0.00	45.23 1.02 0.00
CRUCIBLE_METL_DRP 24180	46.20 -0.05 0.00	39.92 -0.16 -0.06	38.54 -0.19 -0.11	38.86 -0.20 0.00	39.64 -0.20 -0.11	43.81 -0.18 0.00	60.66 -0.06 -0.21	73.91 -0.15 -0.49	57.72 -0.17 0.00	45.29 -0.18 0.00	41.07 -0.12 0.00	41.71 -0.17 0.00	38.81 -0.20 0.00	41.69 -0.21 0.00	41.51 -0.25 0.00	42.49 -0.21 0.00	47.17 -0.19 0.00	52.46 -0.21 0.00	58.87 -0.18 0.00	64.88 -0.13 0.00	55.51 -0.11 0.00	53.19 -0.11 0.00	48.21 -0.11 0.00	43.94 -0.27 0.00
DAHOWA___HYDRO 323763	47.08 0.83 0.00	40.78 0.76 0.00	39.39 0.77 0.00	39.83 0.78 0.00	40.48 0.75 0.00	44.96 0.97 0.00	62.21 1.69 0.00	75.77 2.20 0.00	59.34 1.45 0.00	46.15 0.68 0.00	41.57 0.37 0.00	42.25 0.38 0.00	39.51 0.51 0.00	42.53 0.63 0.00	42.30 0.54 0.00	43.52 0.81 0.00	48.45 1.09 0.00	54.04 1.37 0.00	60.88 1.83 0.00	67.15 2.14 0.00	57.40 1.78 0.00	54.68 1.38 0.00	49.76 1.35 0.00	45.31 1.11 0.00
DANC___LFGE 323619	46.57 0.33 0.00	40.92 0.36 -0.54	40.12 0.47 -1.04	39.66 0.59 -0.02	41.55 0.79 -1.02	45.04 1.05 0.00	63.68 1.15 -2.02	80.08 1.76 -4.76	58.64 0.75 0.00	45.52 0.05 0.00	41.16 -0.04 0.00	41.58 -0.29 0.00	38.78 -0.23 0.00	41.65 -0.25 0.00	41.47 -0.29 0.00	42.32 -0.39 0.00	46.98 -0.38 0.00	52.57 -0.11 0.00	59.11 0.06 0.00	65.59 0.58 0.00	56.12 0.50 0.00	54.10 0.80 0.00	49.13 0.73 0.00	44.78 0.57 0.00
DANSKAMMER___1 23586	47.86 1.62 0.00	41.22 1.20 0.00	39.67 1.04 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.40 1.41 0.00	62.63 2.12 0.00	76.36 2.79 0.00	60.03 2.14 0.00	47.06 1.59 0.00	42.72 1.53 0.00	43.55 1.68 0.00	40.57 1.56 0.00	43.58 1.68 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.39 2.03 0.00	54.99 2.32 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.25 1.84 0.00	45.89 1.68 0.00
DANSKAMMER___2 23589	47.86 1.62 0.00	41.22 1.20 0.00	39.67 1.04 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.40 1.41 0.00	62.63 2.12 0.00	76.36 2.79 0.00	60.03 2.14 0.00	47.06 1.59 0.00	42.72 1.53 0.00	43.55 1.68 0.00	40.57 1.56 0.00	43.58 1.68 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.39 2.03 0.00	54.99 2.32 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.25 1.84 0.00	45.89 1.68 0.00
DANSKAMMER___3 23590	47.86 1.62 0.00	41.22 1.20 0.00	39.67 1.04 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.40 1.41 0.00	62.63 2.12 0.00	76.36 2.79 0.00	60.03 2.14 0.00	47.06 1.59 0.00	42.72 1.53 0.00	43.55 1.68 0.00	40.57 1.56 0.00	43.58 1.68 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.39 2.03 0.00	54.99 2.32 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.25 1.84 0.00	45.89 1.68 0.00

DANSKAMMER___4 23591	47.86 1.62 0.00	41.22 1.20 0.00	39.67 1.04 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.40 1.41 0.00	62.63 2.12 0.00	76.36 2.79 0.00	60.03 2.14 0.00	47.06 1.59 0.00	42.72 1.53 0.00	43.55 1.68 0.00	40.57 1.56 0.00	43.58 1.68 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.39 2.03 0.00	54.99 2.32 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.25 1.84 0.00	45.89 1.68 0.00
DANSKAMMER___DIESEL 23592	47.86 1.62 0.00	41.22 1.20 0.00	39.70 1.08 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.40 1.41 0.00	62.69 2.18 0.00	76.14 2.57 0.00	60.03 2.14 0.00	47.11 1.64 0.00	42.72 1.52 0.00	43.59 1.72 0.00	40.61 1.60 0.00	43.58 1.68 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.39 2.04 0.00	54.99 2.32 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.27 1.97 0.00	50.25 1.84 0.00	45.89 1.68 0.00
DARBY___SOLAR 323810	47.03 0.79 0.00	40.74 0.72 0.00	39.35 0.73 0.00	39.79 0.74 0.00	40.44 0.72 0.00	44.92 0.93 0.00	62.09 1.57 0.00	75.62 2.06 0.00	59.28 1.39 0.00	46.11 0.64 0.00	41.57 0.37 0.00	42.25 0.38 0.00	39.51 0.51 0.00	42.53 0.63 0.00	42.30 0.54 0.00	43.52 0.81 0.00	48.45 1.09 0.00	53.99 1.32 0.00	60.82 1.77 0.00	67.09 2.08 0.00	57.35 1.73 0.00	54.68 1.38 0.00	49.71 1.31 0.00	45.27 1.06 0.00
DASHVILLE___HYD 23610	47.54 1.29 0.00	40.94 0.92 0.00	39.43 0.81 0.00	39.95 0.90 0.00	40.56 0.83 0.00	45.09 1.10 0.00	62.21 1.69 0.00	75.40 1.84 0.00	59.39 1.51 0.00	46.56 1.09 0.00	42.23 1.03 0.00	43.09 1.21 0.00	40.10 1.09 0.00	43.07 1.17 0.00	42.97 1.21 0.00	44.07 1.37 0.00	48.83 1.47 0.00	54.36 1.69 0.00	60.94 1.89 0.00	67.09 2.08 0.00	57.35 1.72 0.00	54.74 1.44 0.00	49.81 1.40 0.00	45.53 1.33 0.00
DELAWARE___LFGE 323621	47.08 0.83 0.00	40.62 0.60 0.00	39.20 0.58 0.00	39.64 0.59 0.00	40.32 0.60 0.00	44.74 0.75 0.00	61.48 0.97 0.00	74.82 1.25 0.00	58.82 0.93 0.00	46.15 0.68 0.00	41.86 0.66 0.00	42.50 0.63 0.00	39.67 0.66 0.00	42.61 0.71 0.00	42.47 0.71 0.00	43.56 0.85 0.00	48.30 0.95 0.00	53.89 1.21 0.00	60.35 1.30 0.00	66.57 1.56 0.00	56.85 1.22 0.00	54.42 1.12 0.00	49.37 0.97 0.00	45.05 0.84 0.00
DERFIELD_115KV_TB7 355931	46.20 -0.05 0.00	40.05 -0.04 -0.07	38.71 -0.04 -0.13	39.02 -0.04 0.00	39.82 -0.04 -0.13	43.95 -0.04 0.00	60.71 -0.06 -0.25	74.09 -0.06 -0.60	57.83 -0.06 0.00	45.43 -0.05 0.00	41.16 -0.04 0.00	41.83 -0.04 0.00	38.97 -0.04 0.00	41.90 0.00 0.00	41.76 0.00 0.00	42.75 0.04 0.00	47.36 0.00 0.00	52.73 0.05 0.00	59.11 0.06 0.00	65.14 0.13 0.00	55.68 0.06 0.00	53.35 0.05 0.00	48.41 0.00 0.00	44.25 0.04 0.00
DOGLEVILLE___HYD 23807	45.55 -0.69 0.00	39.53 -0.56 -0.07	38.33 -0.42 -0.13	38.74 -0.31 0.00	39.66 -0.20 -0.13	43.95 -0.04 0.00	60.77 0.00 -0.25	74.31 0.15 -0.60	57.83 -0.06 0.00	45.33 -0.14 0.00	41.03 -0.16 0.00	41.58 -0.29 0.00	38.66 -0.35 0.00	41.44 -0.46 0.00	41.18 -0.58 0.00	42.15 -0.56 0.00	46.74 -0.62 0.00	51.94 -0.74 0.00	58.22 -0.83 0.00	64.10 -0.91 0.00	54.90 -0.72 0.00	52.55 -0.75 0.00	47.73 -0.68 0.00	43.55 -0.66 0.00
DUNKIRK___115KV_TB_200 55889	43.65 -2.59 0.00	36.98 -3.04 0.00	35.73 -2.90 0.00	35.85 -3.20 0.00	36.23 -3.50 0.00	39.59 -4.40 0.00	41.87 -5.87 12.78	46.60 -7.43 19.53	42.18 -6.31 9.40	29.82 -4.91 10.74	26.56 -4.49 10.15	26.86 -4.77 10.24	24.74 -4.72 9.55	23.81 -5.24 12.86	23.76 -5.26 12.74	19.19 -5.47 18.05	20.62 -6.16 20.59	23.66 -6.74 22.27	29.28 -7.38 22.39	29.97 -8.00 27.05	29.67 -6.90 19.05	25.38 -6.72 21.20	22.62 -6.34 19.44	27.80 -5.92 10.49
DUNKIRK___1 23563	43.65 -2.59 0.00	36.98 -3.04 0.00	35.73 -2.90 0.00	35.85 -3.20 0.00	36.23 -3.50 0.00	39.59 -4.40 0.00	41.87 -5.87 12.78	46.60 -7.43 19.53	42.18 -6.31 9.40	29.82 -4.91 10.74	26.56 -4.49 10.15	26.86 -4.77 10.24	24.74 -4.72 9.55	23.81 -5.24 12.86	23.76 -5.26 12.74	19.19 -5.47 18.05	20.62 -6.16 20.59	23.66 -6.74 22.27	29.28 -7.38 22.39	29.97 -8.00 27.05	29.67 -6.90 19.05	25.38 -6.72 21.20	22.62 -6.34 19.44	27.80 -5.92 10.49
DUNKIRK___2 23564	43.65 -2.59 0.00	36.98 -3.04 0.00	35.73 -2.90 0.00	35.85 -3.20 0.00	36.23 -3.50 0.00	39.59 -4.40 0.00	41.87 -5.87 12.78	46.60 -7.43 19.53	42.18 -6.31 9.40	29.82 -4.91 10.74	26.56 -4.49 10.15	26.86 -4.77 10.24	24.74 -4.72 9.55	23.81 -5.24 12.86	23.76 -5.26 12.74	19.19 -5.47 18.05	20.62 -6.16 20.59	23.66 -6.74 22.27	29.28 -7.38 22.39	29.97 -8.00 27.05	29.67 -6.90 19.05	25.38 -6.72 21.20	22.62 -6.34 19.44	27.80 -5.92 10.49
DUNKIRK___3 23565	43.47 -2.77 0.00	36.86 -3.16 0.00	35.57 -3.05 0.00	35.73 -3.32 0.00	36.15 -3.58 0.00	39.50 -4.49 0.00	41.53 -5.99 13.00	46.19 -7.50 19.87	42.05 -6.19 9.64	29.67 -4.77 11.03	26.45 -4.33 10.42	26.75 -4.61 10.52	24.64 -4.56 9.80	23.75 -5.03 13.12	23.70 -5.05 13.01	19.01 -5.25 18.45	20.27 -5.87 21.22	23.52 -6.48 22.68	28.94 -7.03 23.08	29.58 -7.67 27.75	29.32 -6.56 19.74	24.98 -6.40 21.92	22.63 -6.05 19.73	27.39 -5.66 11.16
DUNKIRK___4 23566	43.47 -2.77 0.00	36.86 -3.16 0.00	35.57 -3.05 0.00	35.73 -3.32 0.00	36.15 -3.58 0.00	39.50 -4.49 0.00	41.53 -5.99 13.00	46.19 -7.50 19.87	42.05 -6.19 9.64	29.67 -4.77 11.03	26.45 -4.33 10.42	26.75 -4.61 10.52	24.64 -4.56 9.80	23.75 -5.03 13.12	23.70 -5.05 13.01	19.01 -5.25 18.45	20.27 -5.87 21.22	23.52 -6.48 22.68	28.94 -7.03 23.08	29.58 -7.67 27.75	29.32 -6.56 19.74	24.98 -6.40 21.92	22.63 -6.05 19.73	27.39 -5.66 11.16
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	47.86 1.62 0.00	41.14 1.12 0.00	39.63 1.00 0.00	40.11 1.05 0.00	40.76 1.03 0.00	45.40 1.41 0.00	62.51 2.00 0.00	76.21 2.65 0.00	60.09 2.20 0.00	47.34 1.86 0.00	43.09 1.90 0.00	43.97 2.09 0.00	40.96 1.95 0.00	44.00 2.10 0.00	43.93 2.17 0.00	45.01 2.31 0.00	49.77 2.42 0.00	55.26 2.58 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.13 2.50 0.00	55.38 2.08 0.00	50.29 1.89 0.00	45.93 1.72 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	47.63 1.39 0.00	41.02 1.00 0.00	39.51 0.89 0.00	39.99 0.94 0.00	40.64 0.91 0.00	45.22 1.23 0.00	62.39 1.88 0.00	75.77 2.21 0.00	59.74 1.85 0.00	46.93 1.46 0.00	42.60 1.40 0.00	43.42 1.55 0.00	40.45 1.44 0.00	43.45 1.55 0.00	43.35 1.59 0.00	44.46 1.75 0.00	49.20 1.85 0.00	54.78 2.11 0.00	61.29 2.24 0.00	67.54 2.54 0.00	57.68 2.06 0.00	55.00 1.71 0.00	50.00 1.60 0.00	45.71 1.50 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	48.32 2.08 0.00	41.38 1.36 0.00	39.78 1.16 0.00	40.34 1.29 0.00	41.00 1.27 0.00	45.44 1.45 0.00	62.15 1.63 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.22 2.02 0.00	44.09 2.22 0.00	41.08 2.07 0.00	44.12 2.22 0.00	44.06 2.30 0.00	45.10 2.39 0.00	49.77 2.42 0.00	55.15 2.48 0.00	61.53 2.48 0.00	67.74 2.73 0.00	57.79 2.17 0.00	55.22 1.92 0.00	50.44 2.03 0.00	46.20 1.99 0.00

E179THST_13_KV_LOAD 356214	48.51 2.27 0.00	41.54 1.52 0.00	39.94 1.31 0.00	40.50 1.44 0.00	41.16 1.43 0.00	45.62 1.63 0.00	62.39 1.88 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.52 2.05 0.00	43.38 2.18 0.00	44.30 2.43 0.00	41.23 2.22 0.00	44.33 2.43 0.00	44.23 2.46 0.00	45.31 2.61 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.45 0.00	55.43 2.13 0.00	50.63 2.23 0.00	46.37 2.17 0.00
EAST HAMPTON___GT 23717	48.83 2.59 0.00	42.06 2.04 0.00	40.36 1.74 0.00	40.69 1.64 0.00	41.60 1.87 0.00	46.63 2.64 0.00	63.78 3.27 0.00	77.68 4.12 0.00	61.25 3.36 0.00	48.88 3.41 0.00	44.86 3.67 0.00	45.48 3.60 0.00	42.09 3.08 0.00	45.21 3.31 0.00	45.15 3.38 -0.01	46.30 3.59 -0.01	51.35 3.98 -0.01	56.74 4.06 -0.01	63.72 4.66 -0.01	72.36 5.20 -2.15	59.92 4.28 -0.01	57.15 3.84 -0.01	51.31 2.90 0.00	47.00 2.79 0.00
EAST RIVER___6 23660	47.86 1.62 0.00	41.14 1.12 0.00	39.55 0.93 0.00	40.11 1.05 0.00	40.76 1.03 0.00	45.36 1.37 0.00	62.45 1.94 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.30 2.10 0.00	44.14 2.26 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.14 2.38 0.00	45.18 2.48 0.00	49.96 2.60 0.00	55.47 2.79 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.13 2.51 0.00	55.37 2.08 0.00	50.34 1.94 0.00	45.98 1.77 0.00
EAST RIVER___7 23524	47.86 1.62 0.00	41.14 1.12 0.00	39.55 0.93 0.00	40.11 1.05 0.00	40.76 1.03 0.00	45.36 1.37 0.00	62.45 1.94 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.30 2.10 0.00	44.14 2.26 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.14 2.38 0.00	45.18 2.48 0.00	49.96 2.60 0.00	55.47 2.79 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.13 2.51 0.00	55.37 2.08 0.00	50.34 1.94 0.00	45.98 1.77 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	47.77 1.53 0.00	41.10 1.08 0.00	39.55 0.93 0.00	40.07 1.02 0.00	40.68 0.95 0.00	45.31 1.32 0.00	62.39 1.88 0.00	76.07 2.50 0.00	59.97 2.08 0.00	47.20 1.73 0.00	42.97 1.77 0.00	43.84 1.97 0.00	40.84 1.83 0.00	43.87 1.97 0.00	43.81 2.05 0.00	44.88 2.18 0.00	49.63 2.27 0.00	55.15 2.48 0.00	61.65 2.60 0.00	67.93 2.93 0.00	57.96 2.34 0.00	55.27 1.97 0.00	50.20 1.79 0.00	45.84 1.64 0.00
EAST_HAMPTON___DIESEL 23722	48.74 2.50 0.00	41.98 1.96 0.00	40.28 1.66 0.00	40.62 1.56 0.00	41.52 1.79 0.00	46.54 2.55 0.00	63.72 3.21 0.00	77.61 4.04 0.00	61.25 3.36 0.00	48.88 3.41 0.00	44.86 3.67 0.00	45.43 3.56 0.00	42.05 3.04 0.00	45.17 3.27 0.00	45.07 3.30 -0.01	46.26 3.54 -0.01	51.25 3.88 -0.01	56.64 3.95 -0.01	63.60 4.55 -0.01	72.16 5.01 -2.15	59.81 4.17 -0.01	57.04 3.73 -0.01	51.21 2.81 0.00	46.91 2.70 0.00
EAST_POINT___SOLAR 323840	48.74 2.50 0.00	42.06 2.04 0.00	40.63 2.01 0.00	41.08 2.03 0.00	41.87 2.14 0.00	46.58 2.59 0.00	64.51 3.99 0.00	78.20 4.64 0.00	60.09 2.20 0.00	46.15 0.68 0.00	41.45 0.25 0.00	42.46 0.59 0.00	40.06 1.05 0.00	43.16 1.26 0.00	42.97 1.21 0.00	44.20 1.49 0.00	49.25 1.90 0.00	54.99 2.32 0.00	62.35 3.30 0.00	69.36 4.36 0.00	59.19 3.56 0.00	56.39 3.09 0.00	51.26 2.86 0.00	46.55 2.34 0.00
EAST_PULASKI___ESR 323781	46.10 -0.14 0.00	40.25 -0.12 -0.35	39.21 -0.08 -0.67	39.06 0.00 -0.01	40.51 0.12 -0.66	44.26 0.27 0.00	62.05 0.24 -1.29	77.14 0.52 -3.06	57.89 0.00 0.00	45.16 -0.32 0.00	40.83 -0.37 0.00	41.37 -0.50 0.00	38.50 -0.51 0.00	41.40 -0.50 0.00	41.18 -0.58 0.00	42.11 -0.60 0.00	46.79 -0.57 0.00	52.25 -0.42 0.00	58.76 -0.29 0.00	65.01 0.00 0.00	55.62 0.00 0.00	53.51 0.21 0.00	48.45 0.05 0.00	44.21 0.00 0.00
EAST_RIVER___1 323558	48.00 1.76 0.00	41.26 1.24 0.00	39.67 1.04 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.65 3.09 0.00	60.26 2.37 0.00	47.47 2.00 0.00	43.30 2.10 0.00	44.14 2.26 0.00	41.11 2.11 0.00	44.20 2.30 0.00	44.14 2.38 0.00	45.23 2.52 0.00	49.96 2.60 0.00	55.47 2.79 0.00	61.94 2.89 0.00	68.19 3.18 0.00	58.18 2.56 0.00	55.48 2.19 0.00	50.44 2.03 0.00	46.07 1.86 0.00
EAST_RIVER___2 323559	47.86 1.62 0.00	41.14 1.12 0.00	39.55 0.93 0.00	40.11 1.05 0.00	40.76 1.03 0.00	45.36 1.37 0.00	62.45 1.94 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.30 2.10 0.00	44.14 2.26 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.14 2.38 0.00	45.18 2.48 0.00	49.96 2.60 0.00	55.47 2.79 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.13 2.51 0.00	55.37 2.08 0.00	50.34 1.94 0.00	45.98 1.77 0.00
EAST___DELAWARE_HYD 23607	47.86 1.62 0.00	41.26 1.24 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.81 2.30 0.00	76.21 2.64 0.00	59.86 1.97 0.00	46.79 1.32 0.00	42.39 1.20 0.00	43.21 1.34 0.00	40.14 1.13 0.00	43.07 1.17 0.00	42.97 1.21 0.00	44.07 1.37 0.00	48.83 1.47 0.00	54.52 1.84 0.00	61.11 2.07 0.00	67.34 2.34 0.00	57.52 1.89 0.00	54.84 1.55 0.00	49.86 1.45 0.00	45.58 1.37 0.00
EIGHT_POINT___WT_PWR 323820	44.12 -2.13 0.00	37.90 -2.12 0.00	36.73 -1.89 0.00	37.14 -1.91 0.00	37.74 -1.99 0.00	41.61 -2.38 0.00	114.71 -3.57 -57.76	156.49 -5.37 -88.29	87.23 -3.88 -33.22	78.71 -3.50 -36.74	72.49 -3.42 -34.71	72.98 -3.94 -35.04	67.11 -4.56 -32.66	68.62 -5.49 -32.20	68.38 -5.55 -32.18	37.41 -4.91 0.39	54.79 -5.26 -12.69	41.77 -5.58 5.32	65.07 -5.90 -11.93	66.98 -6.04 -8.01	65.71 -5.17 -15.25	64.87 -4.96 -16.53	33.57 -4.79 10.04	63.54 -4.51 -23.84
ELBRIDGE_115KV_TB2 80188	45.87 -0.37 0.00	39.63 -0.44 -0.05	38.25 -0.46 -0.10	38.59 -0.47 0.00	39.35 -0.48 -0.09	43.51 -0.48 0.00	60.16 -0.54 -0.19	73.27 -0.74 -0.44	57.25 -0.64 0.00	44.88 -0.59 0.00	40.74 -0.45 0.00	41.33 -0.54 0.00	38.46 -0.55 0.00	41.32 -0.59 0.00	41.14 -0.63 0.00	42.15 -0.56 0.00	46.74 -0.62 0.00	52.04 -0.63 0.00	58.46 -0.59 0.00	64.42 -0.59 0.00	55.12 -0.50 0.00	52.82 -0.48 0.00	47.87 -0.53 0.00	43.63 -0.57 0.00
ELEC_TRO_TEK 24086	48.37 2.13 0.00	41.62 1.60 0.00	40.01 1.39 0.00	40.38 1.33 0.00	41.16 1.43 0.00	45.84 1.85 0.00	62.57 2.06 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.61 2.14 0.00	43.50 2.31 0.00	44.43 2.55 0.00	41.35 2.34 0.00	44.46 2.56 0.00	44.41 2.63 -0.02	45.50 2.78 -0.02	50.21 2.84 -0.02	55.75 3.06 -0.02	62.19 3.13 -0.02	72.24 3.51 -3.72	58.59 2.95 -0.02	55.98 2.66 -0.02	50.68 2.28 0.00	46.46 2.25 0.00
ELLENBURG_WT_PWR 323604	46.34 0.09 0.00	40.45 0.48 0.05	39.02 0.50 0.10	39.60 0.55 0.00	40.30 0.67 0.10	44.65 0.66 0.00	61.22 0.91 0.20	74.19 1.11 0.48	58.59 0.70 0.00	46.15 0.68 0.00	41.77 0.58 0.00	42.42 0.54 0.00	39.48 0.47 0.00	42.32 0.42 0.00	42.14 0.38 0.00	42.58 -0.13 0.00	47.03 -0.33 0.00	52.05 -0.63 0.00	58.28 -0.77 0.00	63.71 -1.30 0.00	54.63 -1.00 0.00	52.82 -0.48 0.00	48.07 -0.34 0.00	43.99 -0.22 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	42.87 -3.38 0.00	36.30 -3.72 0.00	35.07 -3.55 0.00	35.23 -3.83 0.00	35.64 -4.09 0.00	38.93 -5.06 0.00	40.51 -6.84 13.17	45.20 -8.24 20.13	41.21 -6.83 9.85	29.06 -5.14 11.28	25.97 -4.57 10.66	26.26 -4.86 10.76	24.26 -4.72 10.03	23.21 -5.20 13.49	23.17 -5.22 13.38	18.55 -5.42 18.73	19.06 -6.01 22.28	23.12 -6.74 22.81	27.80 -7.32 23.93	28.29 -8.06 28.65	28.20 -6.90 20.52	23.65 -6.61 23.04	22.74 -6.20 19.47	26.46 -5.84 11.91
EMPIRE_CC_1 323656	46.15 -0.09 0.00	40.18 0.16 0.00	38.78 0.16 0.00	39.25 0.20 0.00	39.81 0.08 0.00	44.03 0.04 0.00	60.76 0.24 0.00	73.93 0.37 0.00	58.18 0.29 0.00	45.65 0.18 0.00	41.16 -0.04 0.00	41.92 0.04 0.00	39.09 0.08 0.00	42.03 0.13 0.00	41.89 0.13 0.00	43.01 0.30 0.00	47.88 0.52 0.00	53.26 0.58 0.00	59.76 0.71 0.00	65.85 0.84 0.00	56.46 0.84 0.00	53.83 0.53 0.00	48.99 0.58 0.00	44.70 0.49 0.00
EMPIRE_CC_2 323658	46.15 -0.09 0.00	40.18 0.16 0.00	38.78 0.16 0.00	39.25 0.20 0.00	39.81 0.08 0.00	44.03 0.04 0.00	60.76 0.24 0.00	73.93 0.37 0.00	58.18 0.29 0.00	45.65 0.18 0.00	41.16 -0.04 0.00	41.92 0.04 0.00	39.09 0.08 0.00	42.03 0.13 0.00	41.89 0.13 0.00	43.01 0.30 0.00	47.88 0.52 0.00	53.26 0.58 0.00	59.76 0.71 0.00	65.85 0.84 0.00	56.46 0.84 0.00	53.83 0.53 0.00	48.99 0.58 0.00	44.70 0.49 0.00
ENORWICH_115KV_TB1 80156	48.42 2.17 0.00	41.78 1.76 0.00	40.40 1.78 0.00	40.97 1.91 0.00	41.87 2.15 0.00	46.59 2.60 0.00	64.03 3.51 0.00	78.05 4.49 0.00	61.77 2.72 -1.16	48.41 1.46 -1.48	43.75 1.15 -1.40	44.12 0.84 -1.41	41.18 0.86 -1.32	44.08 0.84 -1.34	44.06 0.96 -1.34	54.35 1.20 -10.45	52.81 1.52 -3.93	70.17 2.37 -15.12	70.15 2.89 -8.21	79.05 3.51 -10.54	65.28 2.89 -6.76	59.93 2.51 -4.12	68.03 2.13 -17.49	47.67 1.86 -1.61
ERIE_ST__34_KV_TB1-2 80199	43.75 -2.50 0.00	37.06 -2.96 0.00	35.80 -2.82 0.00	35.97 -3.09 0.00	36.39 -3.34 0.00	39.85 -4.14 0.00	43.01 -5.45 12.06	48.52 -6.62 18.43	44.12 -5.04 8.74	31.75 -3.77 9.95	28.46 -3.34 9.40	28.79 -3.60 9.49	26.58 -3.59 8.84	25.74 -3.94 12.22	25.69 -3.97 12.10	20.89 -4.14 17.67	22.19 -4.64 20.53	25.80 -5.16 21.71	31.38 -5.61 22.06	32.12 -6.18 26.71	31.65 -5.28 18.69	27.11 -5.12 21.07	24.80 -4.89 18.72	29.35 -4.69 10.17
ERIE_WT_PWR 323693	43.24 -3.01 0.00	36.62 -3.40 0.00	35.46 -3.17 0.00	35.54 -3.51 0.00	35.95 -3.78 0.00	39.28 -4.71 0.00	40.92 -6.96 12.64	44.98 -9.27 19.31	42.34 -6.14 9.42	29.98 -4.73 10.76	26.78 -4.24 10.17	27.13 -4.48 10.27	25.03 -4.41 9.57	24.04 -4.86 13.01	23.99 -4.89 12.89	19.26 -5.13 18.32	20.12 -5.73 21.51	23.89 -6.38 22.41	28.96 -6.97 23.12	29.57 -7.61 27.83	29.40 -6.51 19.72	24.85 -6.29 22.16	23.26 -5.91 19.24	27.53 -5.57 11.10
ESPRGFLD_115KV_TB1 80157	47.86 1.62 0.00	41.30 1.28 0.00	39.86 1.24 0.00	40.34 1.29 0.00	41.08 1.35 0.00	45.66 1.67 0.00	62.94 2.42 0.00	76.51 2.94 0.00	59.63 1.74 0.00	46.43 0.95 0.00	41.98 0.78 0.00	42.67 0.80 0.00	39.98 0.98 0.00	42.99 1.09 0.00	42.85 1.09 0.00	43.99 1.28 0.00	48.87 1.52 0.00	54.57 1.90 0.00	61.41 2.36 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.38 2.08 0.00	50.25 1.84 0.00	45.76 1.55 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	46.89 0.65 0.00	40.38 0.36 0.00	38.93 0.31 0.00	39.33 0.27 0.00	40.05 0.32 0.00	44.43 0.44 0.00	63.31 0.79 -2.01	77.44 0.81 -3.07	60.62 0.41 -2.32	48.33 0.09 -2.77	43.90 0.08 -2.62	44.48 -0.04 -2.64	41.39 -0.08 -2.46	44.29 -0.13 -2.51	44.14 -0.13 -2.51	67.86 0.00 -25.15	56.51 0.14 -9.01	89.59 0.37 -36.55	79.07 0.65 -19.37	90.98 0.91 -25.06	72.24 0.78 -15.84	63.42 0.75 -9.38	91.34 0.48 -42.45	47.74 0.31 -3.22
ETNA_____115KV_TB2 80207	46.89 0.65 0.00	40.38 0.36 0.00	38.93 0.31 0.00	39.33 0.27 0.00	40.05 0.32 0.00	44.43 0.44 0.00	63.31 0.79 -2.01	77.44 0.81 -3.07	60.62 0.41 -2.32	48.33 0.09 -2.77	43.90 0.08 -2.62	44.48 -0.04 -2.64	41.39 -0.08 -2.46	44.29 -0.13 -2.51	44.14 -0.13 -2.51	67.86 0.00 -25.15	56.51 0.14 -9.01	89.59 0.37 -36.55	79.07 0.65 -19.37	90.98 0.91 -25.06	72.24 0.78 -15.84	63.42 0.75 -9.38	91.34 0.48 -42.45	47.74 0.31 -3.22
EUCLID___115KV_TB2 356179	45.73 -0.51 0.00	39.52 -0.56 -0.05	38.19 -0.54 -0.11	38.47 -0.59 0.00	39.28 -0.56 -0.10	43.37 -0.62 0.00	60.06 -0.67 -0.21	73.17 -0.88 -0.49	57.20 -0.69 0.00	44.88 -0.59 0.00	40.70 -0.49 0.00	41.33 -0.54 0.00	38.46 -0.55 0.00	41.32 -0.59 0.00	41.18 -0.58 0.00	42.15 -0.56 0.00	46.74 -0.62 0.00	51.78 -0.90 0.00	58.10 -0.94 0.00	64.03 -0.98 0.00	54.79 -0.83 0.00	52.50 -0.80 0.00	47.58 -0.82 0.00	43.37 -0.84 0.00
E_CANADA_CAP_HY 24051	48.09 1.85 0.00	41.54 1.52 0.00	40.09 1.47 0.00	40.57 1.52 0.00	41.32 1.59 0.00	45.92 1.93 0.00	63.48 2.96 0.00	77.17 3.60 0.00	59.74 1.85 0.00	46.20 0.73 0.00	41.61 0.41 0.00	42.42 0.54 0.00	39.83 0.82 0.00	42.87 0.96 0.00	42.72 0.96 0.00	43.90 1.19 0.00	48.87 1.52 0.00	54.63 1.95 0.00	61.77 2.72 0.00	68.39 3.38 0.00	58.40 2.78 0.00	55.70 2.40 0.00	50.59 2.18 0.00	46.02 1.81 0.00
E_CANADA_MHWK_HY 24050	45.55 -0.69 0.00	39.53 -0.56 -0.07	38.33 -0.42 -0.13	38.74 -0.31 0.00	39.66 -0.20 -0.13	43.95 -0.04 0.00	60.77 0.00 -0.25	74.31 0.15 -0.60	57.83 -0.06 0.00	45.34 -0.14 0.00	41.03 -0.16 0.00	41.58 -0.29 0.00	38.66 -0.35 0.00	41.44 -0.46 0.00	41.18 -0.58 0.00	42.15 -0.56 0.00	46.74 -0.62 0.00	51.99 -0.69 0.00	58.22 -0.83 0.00	64.10 -0.91 0.00	54.90 -0.72 0.00	52.55 -0.75 0.00	47.73 -0.68 0.00	43.55 -0.66 0.00
E_FISHKILL___LBMP 23776	47.35 1.11 0.00	40.78 0.76 0.00	39.28 0.66 0.00	39.80 0.74 0.00	40.40 0.68 0.00	44.96 0.97 0.00	61.91 1.39 0.00	75.40 1.84 0.00	59.51 1.62 0.00	46.79 1.32 0.00	42.51 1.32 0.00	43.38 1.51 0.00	40.41 1.40 0.00	43.41 1.51 0.00	43.31 1.55 0.00	44.41 1.71 0.00	49.16 1.80 0.00	54.62 1.95 0.00	61.12 2.07 0.00	67.35 2.34 0.00	57.52 1.89 0.00	54.84 1.55 0.00	49.81 1.40 0.00	45.49 1.28 0.00
FALCON___SEABRD_CC1 323796	46.84 0.60 0.00	40.98 0.96 0.00	39.59 0.97 0.00	40.03 0.98 0.00	40.88 1.15 0.00	45.22 1.23 0.00	62.27 1.76 0.00	75.70 2.13 0.00	59.39 1.50 0.00	46.74 1.27 0.00	42.31 1.11 0.00	42.96 1.09 0.00	39.94 0.93 0.00	42.82 0.92 0.00	42.68 0.92 0.00	43.01 0.30 0.00	47.50 0.14 0.00	52.57 -0.11 0.00	58.93 -0.12 0.00	64.42 -0.59 0.00	55.24 -0.39 0.00	53.46 0.16 0.00	48.65 0.24 0.00	44.52 0.31 0.00
FALCON___SEABRD_CC2 323797	46.84 0.60 0.00	40.98 0.96 0.00	39.59 0.97 0.00	40.03 0.98 0.00	40.88 1.15 0.00	45.22 1.23 0.00	62.27 1.76 0.00	75.70 2.13 0.00	59.39 1.50 0.00	46.74 1.27 0.00	42.31 1.11 0.00	42.96 1.09 0.00	39.94 0.93 0.00	42.82 0.92 0.00	42.68 0.92 0.00	43.01 0.30 0.00	47.50 0.14 0.00	52.57 -0.11 0.00	58.93 -0.12 0.00	64.42 -0.59 0.00	55.24 -0.39 0.00	53.46 0.16 0.00	48.65 0.24 0.00	44.52 0.31 0.00

FAR ROCKAWAY___4 23548	48.97 2.73 0.00	42.10 2.08 0.00	40.48 1.85 0.00	40.85 1.80 0.00	41.60 1.87 0.00	46.37 2.38 0.00	63.36 2.84 0.00	77.10 3.53 0.00	60.84 2.95 0.00	48.15 2.68 0.00	44.00 2.80 0.00	44.93 3.06 0.00	41.82 2.81 0.00	44.92 3.02 0.00	44.91 3.13 -0.02	46.01 3.29 -0.02	50.88 3.50 -0.02	56.48 3.79 -0.02	63.08 4.02 -0.02	73.28 4.42 -3.85	59.42 3.78 -0.02	56.72 3.41 -0.02	51.36 2.95 0.00	47.04 2.83 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	48.05 1.80 0.00	41.26 1.24 0.00	39.74 1.12 0.00	40.26 1.21 0.00	40.88 1.15 0.00	45.53 1.54 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.32 2.43 0.00	47.52 2.05 0.00	43.34 2.14 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	50.01 2.65 0.00	55.47 2.79 0.00	61.94 2.89 0.00	68.26 3.25 0.00	58.24 2.61 0.00	55.54 2.24 0.00	50.44 2.03 0.00	46.11 1.90 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	48.05 1.80 0.00	41.30 1.28 0.00	39.74 1.12 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.53 1.54 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.32 2.43 0.00	47.52 2.05 0.00	43.34 2.14 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	50.01 2.65 0.00	55.47 2.79 0.00	61.94 2.89 0.00	68.26 3.25 0.00	58.24 2.61 0.00	55.54 2.24 0.00	50.49 2.08 0.00	46.11 1.90 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	48.00 1.76 0.00	41.26 1.24 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.36 2.80 0.00	60.26 2.37 0.00	47.52 2.05 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.15 2.15 0.00	44.21 2.30 0.00	44.14 2.38 0.00	45.23 2.52 0.00	49.96 2.60 0.00	55.47 2.79 0.00	61.94 2.89 0.00	68.19 3.19 0.00	58.18 2.56 0.00	55.48 2.19 0.00	50.44 2.03 0.00	46.07 1.86 0.00
FARRAGUT___LBMP 323566	48.00 1.76 0.00	41.22 1.20 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.84 1.11 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.29 2.72 0.00	60.21 2.32 0.00	47.47 2.00 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.21 2.30 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.18 2.56 0.00	55.48 2.19 0.00	50.39 1.98 0.00	46.07 1.86 0.00
FENNER___WINDPWR 24204	46.94 0.69 0.00	40.64 0.52 -0.10	39.32 0.50 -0.19	39.56 0.51 0.00	40.52 0.60 -0.19	44.69 0.70 0.00	61.86 0.97 -0.37	75.62 1.17 -0.88	58.70 0.81 0.00	45.93 0.45 0.00	41.61 0.41 0.00	42.17 0.30 0.00	39.32 0.31 0.00	42.24 0.33 0.00	42.10 0.33 0.00	47.63 0.38 -4.54	49.19 0.47 -1.36	60.04 0.68 -6.68	63.15 0.83 -3.28	70.39 1.04 -4.35	59.11 0.89 -2.60	55.52 0.85 -1.37	56.99 0.73 -7.86	44.99 0.57 -0.20
FIBERTEK___ENERGY 23856	46.20 -0.05 0.00	39.92 -0.16 -0.06	38.54 -0.19 -0.11	38.86 -0.20 0.00	39.64 -0.20 -0.11	43.81 -0.18 0.00	60.66 -0.06 -0.21	73.91 -0.15 -0.49	57.72 -0.17 0.00	45.29 -0.18 0.00	41.07 -0.12 0.00	41.71 -0.17 0.00	38.81 -0.20 0.00	41.69 -0.21 0.00	41.51 -0.25 0.00	42.49 -0.21 0.00	47.17 -0.19 0.00	52.46 -0.21 0.00	58.87 -0.18 0.00	64.88 -0.13 0.00	55.51 -0.11 0.00	53.19 -0.11 0.00	48.21 -0.19 0.00	43.94 -0.27 0.00
FITZPATRICK___ 23598	45.04 -1.20 0.00	38.90 -1.12 0.00	37.54 -1.08 0.00	37.96 -1.09 0.00	38.62 -1.11 0.00	42.76 -1.23 0.00	58.82 -1.69 0.00	71.36 -2.21 0.00	56.27 -1.62 0.00	44.15 -1.32 0.00	40.04 -1.15 0.00	40.66 -1.22 0.00	37.88 -1.13 0.00	40.69 -1.22 0.00	40.51 -1.25 0.00	41.47 -1.24 0.00	45.98 -1.37 0.00	51.20 -1.47 0.00	57.40 -1.65 0.00	63.26 -1.75 0.00	54.13 -1.50 0.00	51.86 -1.44 0.00	47.00 -1.41 0.00	42.93 -1.28 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	47.95 1.71 0.00	41.26 1.24 0.00	39.74 1.12 0.00	40.26 1.21 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.81 2.30 0.00	76.29 2.72 0.00	60.15 2.26 0.00	47.15 1.68 0.00	42.76 1.57 0.00	43.63 1.76 0.00	40.65 1.64 0.00	43.66 1.76 0.00	43.56 1.80 0.00	44.67 1.96 0.00	49.44 2.08 0.00	55.10 2.42 0.00	61.71 2.66 0.00	67.93 2.93 0.00	58.02 2.39 0.00	55.32 2.03 0.00	50.29 1.89 0.00	45.98 1.77 0.00
FORT ORANGE___ 23900	47.17 0.92 0.00	40.86 0.84 0.00	39.43 0.81 0.00	39.91 0.86 0.00	40.52 0.79 0.00	44.96 0.97 0.00	62.03 1.51 0.00	75.40 1.84 0.00	59.22 1.33 0.00	46.33 0.86 0.00	41.82 0.62 0.00	42.54 0.67 0.00	39.67 0.66 0.00	42.66 0.76 0.00	42.47 0.71 0.00	43.64 0.94 0.00	48.54 1.18 0.00	54.10 1.42 0.00	60.76 1.71 0.00	66.96 1.95 0.00	57.35 1.73 0.00	54.74 1.44 0.00	49.76 1.35 0.00	45.40 1.19 0.00
FORT_DRUM_COGEN 23780	47.17 0.92 0.00	41.74 0.96 -0.75	41.16 1.08 -1.45	40.32 1.25 -0.02	42.75 1.59 -1.44	45.88 1.89 0.00	65.52 2.18 -2.83	83.62 3.38 -6.67	59.45 1.56 0.00	46.06 0.59 0.00	41.61 0.41 0.00	41.96 0.08 0.00	39.16 0.16 0.00	42.07 0.17 0.00	41.85 0.08 0.00	42.62 -0.09 0.00	47.26 -0.09 0.00	52.89 0.21 0.00	59.52 0.47 0.00	66.11 1.11 0.00	56.57 0.95 0.00	54.74 1.44 0.00	49.81 1.40 0.00	45.45 1.24 0.00
FOX_HILLS___ESR 323835	24.69 2.13 23.68	41.06 1.04 0.00	39.43 0.81 0.00	40.03 0.98 0.00	40.64 0.91 0.00	45.00 1.01 0.00	51.02 1.21 10.70	58.65 2.20 17.11	51.17 1.68 8.40	47.02 1.55 0.00	43.13 1.94 0.00	43.97 2.09 0.00	40.96 1.95 0.00	44.12 2.22 0.00	44.02 2.25 0.00	45.01 2.30 0.00	49.58 2.23 0.00	52.02 2.26 2.92	54.58 2.24 6.71	54.55 2.53 12.99	54.03 2.00 3.59	51.25 1.60 3.65	50.05 1.65 0.00	45.71 1.50 0.00
FPL_FAR_ROCK_GT1 24212	48.97 2.73 0.00	42.10 2.08 0.00	40.44 1.82 0.00	40.85 1.80 0.00	41.60 1.87 0.00	46.36 2.37 0.00	63.30 2.79 0.00	77.39 3.82 0.00	60.73 2.84 0.00	48.11 2.64 0.00	44.00 2.80 0.00	44.76 2.89 0.00	41.70 2.69 0.00	44.96 3.06 0.00	44.91 3.13 -0.02	46.01 3.29 -0.02	50.88 3.50 -0.02	56.49 3.79 -0.02	63.08 4.02 -0.02	73.28 4.42 -3.85	59.42 3.78 -0.02	56.73 3.41 -0.02	51.36 2.95 0.00	47.04 2.83 0.00
FPL_FAR_ROCK_GT2 23815	48.97 2.73 0.00	42.10 2.08 0.00	40.44 1.82 0.00	40.85 1.80 0.00	41.60 1.87 0.00	46.36 2.37 0.00	63.30 2.79 0.00	77.39 3.82 0.00	60.73 2.84 0.00	48.11 2.64 0.00	44.00 2.80 0.00	44.76 2.89 0.00	41.70 2.69 0.00	44.96 3.06 0.00	44.91 3.13 -0.02	46.01 3.29 -0.02	50.88 3.50 -0.02	56.49 3.79 -0.02	63.08 4.02 -0.02	73.28 4.42 -3.85	59.42 3.78 -0.02	56.73 3.41 -0.02	51.36 2.95 0.00	47.04 2.83 0.00
FRANKLIN_FALL_HYD 24054	46.89 0.65 0.00	41.98 1.08 -0.88	41.39 1.08 -1.69	40.17 1.09 -0.03	42.63 1.23 -1.67	45.27 1.28 0.00	65.50 1.69 -3.29	83.46 2.13 -7.76	59.28 1.39 0.00	46.70 1.23 0.00	42.23 1.03 0.00	42.71 0.84 0.00	39.87 0.86 0.00	42.70 0.80 0.00	42.56 0.79 0.00	42.83 0.13 0.00	47.36 0.00 0.00	52.36 -0.32 0.00	58.87 -0.18 0.00	64.29 -0.72 0.00	55.12 -0.50 0.00	53.46 0.16 0.00	48.70 0.29 0.00	44.56 0.35 0.00

FREEPORT_EQUS_GT1 23764	48.65 2.40 0.00	41.86 1.84 0.00	40.21 1.58 0.00	40.57 1.52 0.00	41.36 1.63 0.00	46.06 2.07 0.00	62.81 2.30 0.00	76.80 3.23 0.00	60.26 2.37 0.00	47.79 2.32 0.00	43.71 2.51 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.67 2.76 0.00	44.65 2.88 -0.01	45.71 2.99 -0.01	50.54 3.17 -0.01	56.11 3.42 -0.01	62.66 3.60 -0.01	71.78 3.97 -2.80	59.03 3.39 -0.01	56.35 3.04 -0.01	50.97 2.56 0.00	46.73 2.52 0.00
FREEPORT___CT2 23818	48.65 2.40 0.00	41.86 1.84 0.00	40.21 1.58 0.00	40.57 1.52 0.00	41.36 1.63 0.00	46.06 2.07 0.00	62.81 2.30 0.00	76.80 3.23 0.00	60.26 2.37 0.00	47.79 2.32 0.00	43.71 2.51 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.67 2.76 0.00	44.65 2.88 -0.01	45.71 2.99 -0.01	50.54 3.17 -0.01	56.11 3.42 -0.01	62.66 3.60 -0.01	71.78 3.97 -2.80	59.03 3.39 -0.01	56.35 3.04 -0.01	50.97 2.56 0.00	46.73 2.52 0.00
FRESHKLS_33_KV_LOAD 356253	24.78 2.22 23.68	41.02 1.00 0.00	39.43 0.81 0.00	39.99 0.94 0.00	40.64 0.91 0.00	44.91 0.92 0.00	50.96 1.15 10.70	58.14 1.69 17.11	51.05 1.56 8.40	47.02 1.55 0.00	43.09 1.90 0.00	44.01 2.14 0.00	40.96 1.95 0.00	44.08 2.18 0.00	43.98 2.21 0.00	44.97 2.26 0.00	49.54 2.18 0.00	51.92 2.16 2.92	54.53 2.18 6.71	54.43 2.41 12.99	53.92 1.89 3.59	51.20 1.55 3.65	49.96 1.55 0.00	45.67 1.46 0.00
FULTON COGEN___ 23766	45.41 -0.83 0.00	39.31 -0.84 -0.13	38.05 -0.81 -0.24	38.24 -0.82 0.00	39.17 -0.79 -0.24	43.15 -0.84 0.00	60.02 -0.97 -0.47	73.43 -1.25 -1.11	56.85 -1.04 0.00	44.52 -0.95 0.00	40.37 -0.82 0.00	41.04 -0.84 0.00	38.15 -0.86 0.00	41.02 -0.88 0.00	40.84 -0.92 0.00	41.81 -0.90 0.00	46.41 -0.95 0.00	51.67 -1.00 0.00	58.04 -1.00 0.00	63.97 -1.04 0.00	54.73 -0.89 0.00	52.45 -0.85 0.00	47.54 -0.87 0.00	43.32 -0.88 0.00
FULTON___LFGE 323630	48.33 2.08 0.00	41.74 1.72 0.00	40.28 1.66 0.00	40.77 1.72 0.00	41.47 1.75 0.00	46.14 2.15 0.00	63.78 3.27 0.00	77.53 3.97 0.00	59.91 2.03 0.00	46.24 0.77 0.00	41.65 0.45 0.00	42.50 0.63 0.00	39.91 0.90 0.00	42.99 1.09 0.00	42.81 1.04 0.00	43.95 1.24 0.00	48.92 1.56 0.00	54.78 2.11 0.00	62.06 3.01 0.00	68.71 3.70 0.00	58.63 3.00 0.00	55.91 2.61 0.00	50.83 2.42 0.00	46.20 1.99 0.00
G.F.CEMENT___DRP 24184	47.08 0.83 0.00	40.70 0.68 0.00	39.39 0.77 0.00	39.83 0.78 0.00	40.44 0.72 0.00	44.96 0.97 0.00	62.27 1.75 0.00	75.77 2.21 0.00	59.34 1.45 0.00	46.11 0.64 0.00	41.48 0.29 0.00	42.17 0.29 0.00	39.48 0.47 0.00	42.45 0.54 0.00	42.18 0.42 0.00	43.43 0.73 0.00	48.35 0.99 0.00	53.94 1.26 0.00	60.82 1.77 0.00	67.15 2.15 0.00	57.35 1.72 0.00	54.63 1.33 0.00	49.71 1.31 0.00	45.23 1.02 0.00
GARDENVILLE___LBMP 24039	43.05 -3.19 0.00	36.50 -3.52 0.00	35.22 -3.40 0.00	35.38 -3.67 0.00	35.84 -3.89 0.00	39.15 -4.84 0.00	40.18 -6.54 13.80	44.53 -7.94 21.09	40.67 -6.54 10.67	28.25 -4.96 12.27	25.20 -4.41 11.59	25.48 -4.69 11.70	23.50 -4.60 10.91	22.50 -5.07 14.33	22.50 -5.05 14.21	18.00 -5.25 19.45	18.59 -5.87 22.90	22.43 -6.53 23.71	27.06 -7.14 24.85	27.60 -7.80 29.61	27.49 -6.67 21.46	23.05 -6.45 23.80	21.94 -6.05 20.42	25.74 -5.70 12.77
GARDNVLA_35_KV_LD 355827	43.33 -2.91 0.00	36.70 -3.32 0.00	35.45 -3.17 0.00	35.62 -3.44 0.00	36.03 -3.69 0.00	39.37 -4.62 0.00	41.98 -6.11 12.42	47.22 -7.36 18.99	42.57 -6.14 9.19	30.34 -4.64 10.49	27.17 -4.12 9.91	27.47 -4.40 10.01	25.35 -4.33 9.33	24.40 -4.73 12.76	24.35 -4.76 12.65	19.60 -5.00 18.11	20.53 -5.59 21.24	24.29 -6.22 22.17	29.46 -6.79 22.80	30.09 -7.41 27.51	29.88 -6.34 19.40	25.26 -6.18 21.86	23.57 -5.81 19.03	27.88 -5.53 10.80
GELCKHM___115KV_LOAD 80723	45.92 -0.32 0.00	39.68 -0.40 -0.05	38.30 -0.42 -0.10	38.62 -0.43 0.00	39.39 -0.44 -0.10	43.55 -0.44 0.00	60.29 -0.42 -0.20	73.45 -0.59 -0.48	57.37 -0.52 0.00	45.02 -0.45 0.00	40.87 -0.33 0.00	41.50 -0.38 0.00	38.62 -0.39 0.00	41.48 -0.42 0.00	41.30 -0.46 0.00	42.28 -0.43 0.00	46.93 -0.43 0.00	52.04 -0.63 0.00	58.40 -0.65 0.00	64.36 -0.65 0.00	55.07 -0.56 0.00	52.77 -0.53 0.00	47.78 -0.63 0.00	43.59 -0.62 0.00
GENERAL___MILLS 23808	43.24 -3.01 0.00	36.62 -3.40 0.00	35.38 -3.24 0.00	35.54 -3.51 0.00	35.95 -3.77 0.00	39.28 -4.71 0.00	41.59 -6.29 12.64	46.67 -7.58 19.31	42.22 -6.25 9.42	29.93 -4.77 10.76	26.82 -4.20 10.17	27.13 -4.48 10.27	25.03 -4.41 9.57	24.03 -4.86 13.01	23.99 -4.89 12.89	19.31 -5.08 18.32	20.17 -5.68 21.50	23.94 -6.32 22.41	29.02 -6.91 23.12	29.63 -7.54 27.83	29.45 -6.45 19.72	24.90 -6.24 22.16	23.31 -5.86 19.24	27.53 -5.57 11.11
GE_PLASTICS___DRP 24183	46.84 0.60 0.00	40.54 0.52 0.00	39.12 0.50 0.00	39.60 0.55 0.00	40.21 0.48 0.00	44.61 0.62 0.00	61.48 0.97 0.00	74.67 1.10 0.00	58.82 0.93 0.00	46.15 0.68 0.00	41.69 0.49 0.00	42.42 0.54 0.00	39.52 0.51 0.00	42.53 0.63 0.00	42.35 0.58 0.00	43.47 0.77 0.00	48.26 0.90 0.00	53.73 1.05 0.00	60.29 1.24 0.00	66.37 1.37 0.00	56.85 1.22 0.00	54.31 1.01 0.00	49.33 0.92 0.00	45.05 0.84 0.00
GILBOA___1 23756	46.66 0.42 0.00	40.30 0.28 0.00	38.89 0.27 0.00	39.33 0.28 0.00	39.97 0.24 0.00	44.34 0.35 0.00	60.82 0.30 0.00	73.79 0.22 0.00	58.24 0.35 0.00	45.88 0.41 0.00	41.52 0.33 0.00	42.25 0.38 0.00	39.36 0.35 0.00	42.32 0.42 0.00	42.18 0.42 0.00	43.22 0.51 0.00	47.97 0.61 0.00	53.47 0.79 0.00	59.94 0.89 0.00	66.04 1.04 0.00	56.51 0.89 0.00	54.10 0.80 0.00	49.08 0.68 0.00	44.83 0.62 0.00
GILBOA___2 23757	46.66 0.42 0.00	40.30 0.28 0.00	38.89 0.27 0.00	39.33 0.28 0.00	39.97 0.24 0.00	44.34 0.35 0.00	60.82 0.30 0.00	73.79 0.22 0.00	58.24 0.35 0.00	45.88 0.41 0.00	41.52 0.33 0.00	42.25 0.38 0.00	39.36 0.35 0.00	42.32 0.42 0.00	42.18 0.42 0.00	43.22 0.51 0.00	47.97 0.61 0.00	53.47 0.79 0.00	59.94 0.89 0.00	66.04 1.04 0.00	56.51 0.89 0.00	54.10 0.80 0.00	49.08 0.68 0.00	44.83 0.62 0.00
GILBOA___3 23758	46.66 0.42 0.00	40.30 0.28 0.00	38.89 0.27 0.00	39.33 0.28 0.00	39.97 0.24 0.00	44.34 0.35 0.00	60.82 0.30 0.00	73.79 0.22 0.00	58.24 0.35 0.00	45.88 0.41 0.00	41.52 0.33 0.00	42.25 0.38 0.00	39.36 0.35 0.00	42.32 0.42 0.00	42.18 0.42 0.00	43.22 0.51 0.00	47.97 0.61 0.00	53.47 0.79 0.00	59.94 0.89 0.00	66.04 1.04 0.00	56.51 0.89 0.00	54.10 0.80 0.00	49.08 0.68 0.00	44.83 0.62 0.00
GILBOA___4 23759	46.66 0.42 0.00	40.30 0.28 0.00	38.89 0.27 0.00	39.33 0.28 0.00	39.97 0.24 0.00	44.34 0.35 0.00	60.82 0.30 0.00	73.79 0.22 0.00	58.24 0.35 0.00	45.88 0.41 0.00	41.52 0.33 0.00	42.25 0.38 0.00	39.36 0.35 0.00	42.32 0.42 0.00	42.18 0.42 0.00	43.22 0.51 0.00	47.97 0.61 0.00	53.47 0.79 0.00	59.94 0.89 0.00	66.04 1.04 0.00	56.51 0.89 0.00	54.10 0.80 0.00	49.08 0.68 0.00	44.83 0.62 0.00

GILBOA____ 23599	46.66 0.42 0.00	40.30 0.28 0.00	38.89 0.27 0.00	39.33 0.27 0.00	39.97 0.24 0.00	44.34 0.35 0.00	60.88 0.36 0.00	73.71 0.15 0.00	58.30 0.41 0.00	45.88 0.41 0.00	41.53 0.33 0.00	42.25 0.38 0.00	39.36 0.35 0.00	42.32 0.42 0.00	42.18 0.42 0.00	43.22 0.51 0.00	47.97 0.62 0.00	53.47 0.79 0.00	59.93 0.89 0.00	66.05 1.04 0.00	56.51 0.89 0.00	54.10 0.80 0.00	49.13 0.73 0.00	44.83 0.62 0.00
GINNA____ 23603	43.19 -3.05 0.00	37.02 -3.00 0.00	35.76 -2.86 0.00	36.05 -3.01 0.00	36.75 -2.98 0.00	40.69 -3.30 0.00	58.36 -4.66 -2.50	71.36 -6.03 -3.82	53.51 -4.57 -0.19	41.83 -3.64 0.00	38.15 -3.05 0.00	38.78 -3.10 0.00	36.01 -3.00 0.00	39.29 -3.27 -0.65	39.14 -3.26 -0.63	37.39 -3.29 2.03	45.24 -3.60 -1.48	45.05 -4.11 3.52	54.30 -4.31 0.44	59.58 -4.81 0.62	51.00 -4.17 0.46	50.70 -3.94 -1.35	39.50 -3.73 5.18	40.92 -3.58 -0.29
GLEN PARK____ 23778	47.31 1.06 0.00	41.79 1.04 -0.73	41.18 1.16 -1.40	40.44 1.37 -0.02	42.82 1.71 -1.38	46.06 2.07 0.00	65.53 2.30 -2.72	83.44 3.46 -6.42	59.57 1.68 0.00	46.06 0.59 0.00	41.61 0.41 0.00	41.96 0.08 0.00	39.17 0.16 0.00	42.07 0.17 0.00	41.85 0.08 0.00	42.66 -0.04 0.00	47.36 0.00 0.00	53.09 0.42 0.00	59.76 0.71 0.00	66.50 1.50 0.00	56.85 1.22 0.00	55.00 1.71 0.00	50.00 1.60 0.00	45.62 1.41 0.00
GLENDALE_27_KV_LOAD 356172	48.42 2.17 0.00	41.46 1.44 0.00	39.90 1.27 0.00	40.42 1.37 0.00	41.08 1.35 0.00	45.62 1.63 0.00	62.63 2.12 0.00	76.51 2.94 0.00	60.38 2.49 0.00	47.70 2.23 0.00	43.54 2.35 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.46 2.56 0.00	44.39 2.63 0.00	45.44 2.73 0.00	50.15 2.79 0.00	55.63 2.95 0.00	62.06 3.01 0.00	68.32 3.32 0.00	58.29 2.67 0.00	55.64 2.35 0.00	50.63 2.23 0.00	46.29 2.08 0.00
GLENWOOD_IC_1_G5 23712	48.37 2.13 0.00	41.62 1.60 0.00	40.01 1.39 0.00	40.46 1.41 0.00	41.16 1.43 0.00	45.84 1.85 0.00	62.81 2.30 0.00	76.51 2.94 0.00	60.38 2.49 0.00	47.70 2.23 0.00	43.54 2.35 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.50 2.60 0.00	44.45 2.67 -0.01	45.54 2.82 -0.01	50.36 2.98 -0.01	55.85 3.16 -0.01	62.43 3.37 -0.01	72.14 3.71 -3.42	58.70 3.06 -0.01	56.03 2.72 -0.01	50.78 2.37 0.00	46.46 2.25 0.00
GLENWOOD_IC_2_G1 23688	48.09 1.85 0.00	41.38 1.36 0.00	39.78 1.16 0.00	40.26 1.21 0.00	40.96 1.23 0.00	45.62 1.63 0.00	62.57 2.06 0.00	76.51 2.95 0.00	60.15 2.26 0.00	47.47 2.00 0.00	43.30 2.10 0.00	44.09 2.22 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.14 2.38 0.00	45.23 2.52 0.00	50.01 2.65 0.00	55.52 2.84 0.00	62.00 2.95 0.00	68.48 3.31 -0.16	58.35 2.72 0.00	55.70 2.40 0.00	50.49 2.08 0.00	46.20 1.99 0.00
GLENWOOD_IC_3_G1 23689	48.09 1.85 0.00	41.38 1.36 0.00	39.78 1.16 0.00	40.26 1.21 0.00	40.96 1.23 0.00	45.62 1.63 0.00	62.57 2.06 0.00	76.51 2.95 0.00	60.15 2.26 0.00	47.47 2.00 0.00	43.30 2.10 0.00	44.09 2.22 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.14 2.38 0.00	45.23 2.52 0.00	50.01 2.65 0.00	55.52 2.84 0.00	62.00 2.95 0.00	68.48 3.31 -0.16	58.35 2.72 0.00	55.70 2.40 0.00	50.49 2.08 0.00	46.20 1.99 0.00
GLENWOOD___4 23550	48.37 2.13 0.00	41.62 1.60 0.00	40.01 1.39 0.00	40.46 1.41 0.00	41.16 1.43 0.00	45.84 1.85 0.00	62.81 2.30 0.00	76.51 2.94 0.00	60.38 2.49 0.00	47.70 2.23 0.00	43.54 2.35 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.50 2.60 0.00	44.45 2.67 -0.01	45.54 2.82 -0.01	50.36 2.98 -0.01	55.85 3.16 -0.01	62.43 3.37 -0.01	72.14 3.71 -3.42	58.70 3.06 -0.01	56.03 2.72 -0.01	50.78 2.37 0.00	46.46 2.25 0.00
GLENWOOD___5 23614	48.37 2.13 0.00	41.62 1.60 0.00	40.01 1.39 0.00	40.46 1.41 0.00	41.16 1.43 0.00	45.84 1.85 0.00	62.81 2.30 0.00	76.51 2.94 0.00	60.38 2.49 0.00	47.70 2.23 0.00	43.54 2.35 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.50 2.60 0.00	44.45 2.67 -0.01	45.54 2.82 -0.01	50.36 2.98 -0.01	55.85 3.16 -0.01	62.43 3.37 -0.01	72.14 3.71 -3.42	58.70 3.06 -0.01	56.03 2.72 -0.01	50.78 2.37 0.00	46.46 2.25 0.00
GLOBAL GREEN_PORT_GT1 23814	49.16 2.92 0.00	42.34 2.32 0.00	40.63 2.01 0.00	40.97 1.91 0.00	41.87 2.14 0.00	46.89 2.90 0.00	64.08 3.57 0.00	77.90 4.34 0.00	61.36 3.47 0.00	48.97 3.50 0.00	44.95 3.75 0.00	45.52 3.64 0.00	42.17 3.16 0.00	45.38 3.48 0.00	45.36 3.59 -0.01	46.56 3.85 0.00	51.58 4.21 -0.01	57.11 4.43 -0.01	64.14 5.08 -0.01	72.81 5.65 -2.15	60.31 4.67 -0.01	57.52 4.21 -0.01	51.65 3.24 0.00	47.30 3.09 0.00
GLOBE___DSASP 323697	41.71 -4.53 0.00	35.42 -4.60 0.00	34.18 -4.44 0.00	34.33 -4.73 0.00	34.76 -4.97 0.00	37.61 -6.38 0.00	40.48 -8.77 11.26	45.84 -10.52 17.21	42.09 -8.16 7.64	30.68 -6.14 8.65	27.66 -5.36 8.18	27.97 -5.65 8.25	25.85 -5.46 7.69	24.55 -5.95 11.41	24.55 -5.93 11.28	19.50 -6.19 17.02	19.35 -6.87 21.14	24.40 -7.69 20.58	28.76 -8.44 21.85	29.12 -9.30 26.60	29.40 -7.90 18.33	24.21 -7.57 21.52	24.47 -7.02 16.92	27.88 -6.54 9.78
GOETHSLN___LBMP 323567	24.08 1.53 23.69	41.05 1.04 0.01	39.50 0.89 0.01	40.02 0.98 0.01	40.67 0.95 0.01	45.26 1.28 0.01	51.56 1.75 10.71	58.87 2.43 17.12	51.56 2.08 8.41	47.24 1.77 0.01	43.08 1.90 0.01	44.00 2.14 0.01	40.95 1.95 0.01	43.99 2.10 0.01	43.93 2.17 0.01	45.00 2.31 0.01	49.72 2.37 0.01	52.28 2.53 2.92	54.87 2.54 6.72	54.81 2.80 13.00	54.30 2.28 3.60	51.56 1.92 3.65	50.19 1.79 0.01	45.88 1.68 0.01
GOLAH___69_KV_TB 1_2 80279	44.76 -1.48 0.00	38.26 -1.76 0.00	36.92 -1.70 0.00	37.18 -1.87 0.00	37.90 -1.83 0.00	41.88 -2.11 0.00	59.86 -2.66 -2.01	73.25 -3.38 -3.07	54.69 -3.36 -0.15	42.89 -2.59 -0.01	39.06 -2.14 -0.01	39.58 -2.30 -0.01	36.67 -2.34 -0.01	31.30 -2.68 7.92	31.37 -2.71 7.68	22.71 -2.82 17.17	13.97 -3.08 30.31	45.27 -3.48 3.93	55.28 -3.54 0.23	60.82 -3.84 0.35	52.02 -3.28 0.32	52.18 -3.04 -1.92	39.41 -3.00 5.99	41.69 -2.92 -0.40
GOODYEAR_LAKE_HYD 323669	47.45 1.20 0.00	40.94 0.92 0.00	39.51 0.89 0.00	39.99 0.94 0.00	40.68 0.95 0.00	45.18 1.19 0.00	62.15 1.63 0.00	75.62 2.06 0.00	59.34 1.45 0.00	46.43 0.95 0.00	42.06 0.87 0.00	42.75 0.88 0.00	39.94 0.94 0.00	42.91 1.01 0.00	42.81 1.04 0.00	43.86 1.15 0.00	48.68 1.33 0.00	54.31 1.63 0.00	60.88 1.83 0.00	67.22 2.21 0.00	57.40 1.78 0.00	54.90 1.60 0.00	49.81 1.40 0.00	45.45 1.24 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	46.29 0.05 0.00	39.86 -0.16 0.00	38.43 -0.19 0.00	38.82 -0.23 0.00	39.45 -0.28 0.00	43.73 -0.26 0.00	57.68 -0.24 2.59	69.16 -0.44 3.96	57.34 -0.35 0.20	45.20 -0.27 0.00	40.95 -0.25 0.00	41.54 -0.34 0.00	38.62 -0.39 0.00	40.88 -0.46 0.56	40.76 -0.46 0.54	39.34 -0.38 2.98	44.30 -0.38 2.68	48.42 -0.32 3.94	55.72 -0.30 3.03	60.82 -0.20 4.00	53.15 -0.17 2.31	50.50 -0.21 2.58	44.38 -0.29 3.74	43.40 -0.35 0.46

GOWANUS_GT4_5 24134	48.37 2.13 0.00	41.22 1.20 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.65 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.22 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
GOWANUS_GT4_6 24135	48.37 2.13 0.00	41.22 1.20 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.65 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.22 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
GOWANUS_GT4_7 24136	48.37 2.13 0.00	41.22 1.20 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.65 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.22 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
GOWANUS_GT4_8 24137	48.37 2.13 0.00	41.22 1.20 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.65 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.22 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
GREATVRV_69_KV_BK1 356245	49.39 3.14 0.00	42.50 2.48 0.00	40.82 2.20 0.00	41.16 2.11 0.00	41.99 2.26 0.00	46.85 2.86 0.00	63.84 3.33 0.00	77.39 3.83 0.00	61.13 3.24 0.00	48.56 3.09 0.00	44.41 3.21 0.00	45.31 3.43 0.00	42.09 3.08 0.00	45.30 3.39 0.00	45.36 3.59 -0.01	46.52 3.80 -0.01	51.44 4.07 -0.01	57.06 4.37 -0.01	63.90 4.84 -0.01	72.67 5.46 -2.20	60.19 4.56 -0.01	57.41 4.10 -0.01	51.70 3.29 0.00	47.44 3.23 0.00
GREENBSH_115KV_TB3 55895	46.94 0.69 0.00	40.66 0.64 0.00	39.24 0.62 0.00	39.72 0.66 0.00	40.32 0.60 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.05 1.16 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.50 0.63 0.00	39.63 0.62 0.00	42.61 0.71 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.45 1.09 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
GREENDGE_115KV_TB5 80291	45.60 -0.65 0.00	39.14 -0.88 0.00	37.73 -0.89 0.00	38.08 -0.98 0.00	38.78 -0.95 0.00	42.93 -1.06 0.00	77.46 -2.12 -19.07	99.84 -2.87 -29.14	67.30 -2.61 -12.02	56.71 -2.23 -13.47	52.32 -1.61 -12.73	52.75 -1.97 -12.85	49.03 -1.95 -11.97	51.36 -2.22 -11.68	51.18 -2.26 -11.67	29.28 -1.84 11.59	47.65 -1.89 -2.19	31.62 -1.90 19.16	53.85 -2.18 3.02	55.20 -2.41 7.40	53.85 -1.89 -0.12	55.20 -1.92 -3.82	22.64 -1.55 24.22	52.20 -1.86 -9.85
GREENIDGE__3 23582	45.60 -0.65 0.00	39.14 -0.88 0.00	37.73 -0.89 0.00	38.08 -0.98 0.00	38.78 -0.95 0.00	42.93 -1.06 0.00	77.46 -2.12 -19.07	99.84 -2.87 -29.14	67.30 -2.61 -12.02	56.71 -2.23 -13.47	52.32 -1.61 -12.73	52.75 -1.97 -12.85	49.03 -1.95 -11.97	51.36 -2.22 -11.68	51.18 -2.26 -11.67	29.28 -1.84 11.59	47.65 -1.89 -2.19	31.62 -1.90 19.16	53.85 -2.18 3.02	55.20 -2.41 7.40	53.85 -1.89 -0.12	55.20 -1.92 -3.82	22.64 -1.55 24.22	52.20 -1.86 -9.85
GREENIDGE__4 23583	45.60 -0.65 0.00	39.14 -0.88 0.00	37.77 -0.85 0.00	38.08 -0.97 0.00	38.77 -0.95 0.00	42.93 -1.06 0.00	77.22 -2.36 -19.07	99.33 -3.38 -29.14	67.30 -2.60 -12.02	56.76 -2.18 -13.47	52.15 -1.77 -12.73	52.92 -1.80 -12.85	49.03 -1.95 -11.97	51.35 -2.22 -11.68	51.18 -2.26 -11.67	29.28 -1.84 11.59	47.65 -1.90 -2.19	31.67 -1.85 19.16	53.85 -2.18 3.02	55.20 -2.40 7.40	53.85 -1.89 -0.12	55.20 -1.92 -3.82	22.64 -1.55 24.22	52.20 -1.86 -9.85
GREENLWN_69_KV_BK 3 55738	48.56 2.31 0.00	41.86 1.84 0.00	40.21 1.58 0.00	40.58 1.52 0.00	41.36 1.63 0.00	46.06 2.07 0.00	62.69 2.18 0.00	76.21 2.65 0.00	60.15 2.26 0.00	47.84 2.36 0.00	43.79 2.60 0.00	44.72 2.85 0.00	41.58 2.57 0.00	44.71 2.81 0.00	44.69 2.92 -0.01	45.83 3.12 -0.01	50.49 3.13 -0.01	56.00 3.32 -0.01	62.60 3.54 -0.01	71.16 3.97 -2.19	58.92 3.28 -0.01	56.24 2.93 -0.01	50.83 2.42 0.00	46.73 2.52 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	48.37 2.13 0.00	41.22 1.20 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.65 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.22 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
GRISSOM__SOLAR 323813	48.19 1.94 0.00	41.62 1.60 0.00	40.21 1.58 0.00	40.65 1.60 0.00	41.40 1.67 0.00	46.01 2.02 0.00	63.60 3.08 0.00	77.24 3.68 0.00	59.74 1.85 0.00	46.15 0.68 0.00	41.57 0.37 0.00	42.46 0.59 0.00	39.83 0.82 0.00	42.91 1.00 0.00	42.72 0.96 0.00	43.81 1.11 0.00	48.78 1.42 0.00	54.63 1.95 0.00	61.94 2.89 0.00	68.52 3.51 0.00	58.46 2.84 0.00	55.75 2.45 0.00	50.73 2.32 0.00	46.11 1.90 0.00
GROVEVILLE__HYD 323602	47.95 1.71 0.00	41.26 1.24 0.00	39.74 1.12 0.00	40.26 1.21 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.81 2.30 0.00	76.29 2.72 0.00	60.15 2.26 0.00	47.15 1.68 0.00	42.76 1.57 0.00	43.63 1.76 0.00	40.65 1.64 0.00	43.66 1.76 0.00	43.56 1.80 0.00	44.67 1.96 0.00	49.44 2.08 0.00	55.10 2.42 0.00	61.71 2.66 0.00	67.93 2.93 0.00	58.02 2.39 0.00	55.32 2.03 0.00	50.29 1.89 0.00	45.98 1.77 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	46.20 -0.05 0.00	39.92 -0.16 -0.06	38.54 -0.19 -0.11	38.86 -0.20 0.00	39.64 -0.20 -0.11	43.81 -0.18 0.00	60.66 -0.06 -0.21	73.91 -0.15 -0.49	57.72 -0.17 0.00	45.29 -0.18 0.00	41.07 -0.12 0.00	41.71 -0.17 0.00	38.81 -0.20 0.00	41.69 -0.21 0.00	41.51 -0.25 0.00	42.49 -0.21 0.00	47.17 -0.19 0.00	52.46 -0.21 0.00	58.87 -0.18 0.00	64.88 -0.13 0.00	55.51 -0.11 0.00	53.19 -0.11 0.00	48.21 -0.19 0.00	43.94 -0.27 0.00
HAMLTNNY_34_KV_TB 80303	46.20 -0.05 0.00	39.87 -0.20 -0.05	38.48 -0.23 -0.09	38.82 -0.23 0.00	39.58 -0.24 -0.09	43.81 -0.18 0.00	60.64 -0.06 -0.18	73.77 -0.22 -0.43	57.60 -0.29 0.00	45.15 -0.32 0.00	40.99 -0.21 0.00	41.62 -0.25 0.00	38.70 -0.31 0.00	41.57 -0.34 0.00	41.39 -0.38 0.00	42.41 -0.30 0.00	47.07 -0.28 0.00	52.41 -0.26 0.00	58.87 -0.18 0.00	64.88 -0.13 0.00	55.51 -0.11 0.00	53.19 -0.11 0.00	48.16 -0.24 0.00	43.90 -0.31 0.00

HAMPSHIRE___PAPER_HYD 323593	46.34 0.09 0.00	42.14 0.44 -1.68	42.39 0.54 -3.23	39.73 0.62 -0.05	43.79 0.87 -3.19	44.82 0.83 0.00	67.47 0.67 -6.29	89.50 1.11 -14.83	58.06 0.17 0.00	45.47 0.00 0.00	41.11 -0.08 0.00	41.67 -0.21 0.00	38.78 -0.23 0.00	41.57 -0.34 0.00	41.35 -0.42 0.00	41.85 -0.85 0.00	46.27 -1.09 0.00	51.36 -1.31 0.00	57.69 -1.36 0.00	63.52 -1.49 0.00	54.45 -1.17 0.00	52.98 -0.32 0.00	48.41 0.00 0.00	44.39 0.18 0.00
HARDSCRABBLE_WT_PWR 323673	45.50 -0.74 0.00	39.53 -0.56 -0.07	38.33 -0.42 -0.13	38.74 -0.31 0.00	39.66 -0.20 -0.13	43.95 -0.04 0.00	60.77 0.00 -0.25	74.31 0.15 -0.60	57.89 0.00 0.00	45.38 -0.09 0.00	41.07 -0.12 0.00	41.58 -0.29 0.00	38.66 -0.35 0.00	41.44 -0.46 0.00	41.18 -0.58 0.00	42.11 -0.60 0.00	46.69 -0.66 0.00	51.94 -0.74 0.00	58.16 -0.88 0.00	64.03 -0.97 0.00	54.85 -0.78 0.00	52.50 -0.80 0.00	47.68 -0.72 0.00	43.55 -0.66 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	47.72 1.48 0.00	41.06 1.04 0.00	39.55 0.93 0.00	40.03 0.98 0.00	40.68 0.95 0.00	45.27 1.28 0.00	62.45 1.94 0.00	75.92 2.35 0.00	59.86 1.97 0.00	47.02 1.55 0.00	42.68 1.48 0.00	43.55 1.68 0.00	40.57 1.56 0.00	43.58 1.68 0.00	43.47 1.71 0.00	44.59 1.88 0.00	49.30 1.94 0.00	54.89 2.21 0.00	61.47 2.42 0.00	67.74 2.73 0.00	57.79 2.17 0.00	55.11 1.81 0.00	50.10 1.69 0.00	45.76 1.55 0.00
HARSNRAD_115KV_TB1 81005	42.27 -3.98 0.00	35.78 -4.24 0.00	34.53 -4.09 0.00	34.68 -4.37 0.00	35.12 -4.61 0.00	38.36 -5.63 0.00	43.40 -7.69 9.43	49.96 -9.20 14.41	42.94 -7.76 7.19	31.57 -5.68 8.22	28.49 -4.94 7.76	28.80 -5.23 7.84	26.63 -5.07 7.31	24.57 -5.57 11.76	24.60 -5.55 11.61	19.04 -5.81 17.86	17.34 -6.39 23.62	24.24 -7.16 21.27	27.76 -7.79 23.49	27.68 -8.52 28.82	28.89 -7.29 19.45	22.55 -6.93 23.82	25.32 -6.49 16.60	28.14 -6.06 10.01
HARZA MOOSE___RIVER 24016	46.61 0.37 0.00	40.99 0.48 -0.49	40.18 0.62 -0.94	39.81 0.74 -0.01	41.61 0.95 -0.93	45.13 1.14 0.00	63.68 1.33 -1.84	79.88 1.99 -4.33	58.93 1.04 0.00	45.97 0.50 0.00	41.61 0.41 0.00	42.13 0.25 0.00	39.24 0.23 0.00	42.11 0.21 0.00	41.80 0.04 0.00	42.54 -0.17 0.00	47.07 -0.28 0.00	52.41 -0.26 0.00	58.81 -0.24 0.00	65.01 0.00 0.00	55.62 0.00 0.00	53.72 0.43 0.00	48.99 0.58 0.00	44.74 0.53 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	45.87 -0.37 0.00	39.64 -0.44 -0.06	38.27 -0.46 -0.11	38.59 -0.47 0.00	39.36 -0.48 -0.11	43.51 -0.48 0.00	60.25 -0.48 -0.21	73.41 -0.66 -0.51	57.37 -0.52 0.00	45.02 -0.45 0.00	40.83 -0.37 0.00	41.46 -0.42 0.00	38.58 -0.43 0.00	41.44 -0.46 0.00	41.26 -0.50 0.00	42.24 -0.47 0.00	46.88 -0.47 0.00	52.04 -0.63 0.00	58.40 -0.65 0.00	64.36 -0.65 0.00	55.07 -0.56 0.00	52.77 -0.53 0.00	47.78 -0.63 0.00	43.59 -0.62 0.00
HELLGATE_13_KV_LD 55870	48.46 2.22 0.00	41.50 1.48 0.00	39.94 1.31 0.00	40.50 1.44 0.00	41.12 1.39 0.00	45.66 1.67 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.38 2.49 0.00	47.70 2.23 0.00	43.54 2.35 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.50 2.60 0.00	44.39 2.63 0.00	45.48 2.78 0.00	50.15 2.79 0.00	55.63 2.95 0.00	62.06 3.01 0.00	68.26 3.25 0.00	58.29 2.67 0.00	55.64 2.35 0.00	50.63 2.23 0.00	46.37 2.17 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	48.46 2.22 0.00	41.50 1.48 0.00	39.94 1.31 0.00	40.50 1.44 0.00	41.12 1.39 0.00	45.66 1.67 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.38 2.49 0.00	47.70 2.23 0.00	43.54 2.35 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.50 2.60 0.00	44.39 2.63 0.00	45.48 2.78 0.00	50.15 2.79 0.00	55.63 2.95 0.00	62.06 3.01 0.00	68.26 3.25 0.00	58.29 2.67 0.00	55.64 2.35 0.00	50.63 2.23 0.00	46.37 2.17 0.00
HEMPSTEAD___ 23647	48.28 2.03 0.00	41.58 1.56 0.00	39.94 1.31 0.00	40.34 1.29 0.00	41.08 1.35 0.00	45.75 1.76 0.00	62.51 1.99 0.00	76.43 2.87 0.00	59.97 2.08 0.00	47.52 2.05 0.00	43.46 2.26 0.00	44.22 2.34 0.00	41.15 2.14 0.00	44.42 2.51 0.00	44.41 2.63 -0.01	45.45 2.74 -0.01	50.21 2.84 -0.01	55.74 3.05 -0.01	62.25 3.19 -0.01	71.63 3.57 -3.05	58.58 2.95 -0.01	55.92 2.61 -0.01	50.63 2.23 0.00	46.37 2.17 0.00
HICKLING___1 23621	45.41 -0.83 0.00	38.90 -1.12 0.00	37.54 -1.08 0.00	37.80 -1.25 0.00	38.42 -1.31 0.00	42.45 -1.54 0.00	54.08 -1.94 4.50	63.89 -2.80 6.88	59.23 -2.20 -3.54	48.61 -1.82 -4.95	44.27 -1.61 -4.68	44.72 -1.88 -4.72	41.46 -1.95 -4.40	43.14 -2.22 -3.46	42.99 -2.26 -3.48	24.62 -2.18 15.91	39.54 -2.32 5.49	26.82 -2.37 23.48	45.63 -2.48 10.94	46.80 -2.54 15.68	45.80 -2.17 7.66	46.43 -2.08 4.79	19.48 -2.08 26.85	44.60 -2.03 -2.43
HICKLING___2 23622	45.41 -0.83 0.00	38.90 -1.12 0.00	37.54 -1.08 0.00	37.80 -1.25 0.00	38.42 -1.31 0.00	42.45 -1.54 0.00	54.08 -1.94 4.50	63.89 -2.80 6.88	59.23 -2.20 -3.54	48.61 -1.82 -4.95	44.27 -1.61 -4.68	44.72 -1.88 -4.72	41.46 -1.95 -4.40	43.14 -2.22 -3.46	42.99 -2.26 -3.48	24.62 -2.18 15.91	39.54 -2.32 5.49	26.82 -2.37 23.48	45.63 -2.48 10.94	46.80 -2.54 15.68	45.80 -2.17 7.66	46.43 -2.08 4.79	19.48 -2.08 26.85	44.60 -2.03 -2.43
HIGH FALLS___HY 23754	47.91 1.66 0.00	41.22 1.20 0.00	39.66 1.04 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.81 2.30 0.00	76.14 2.57 0.00	59.97 2.08 0.00	47.02 1.55 0.00	42.64 1.44 0.00	43.51 1.63 0.00	40.49 1.48 0.00	43.49 1.59 0.00	43.39 1.63 0.00	44.50 1.79 0.00	49.30 1.94 0.00	54.94 2.27 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.91 2.28 0.00	55.22 1.92 0.00	50.20 1.79 0.00	45.89 1.68 0.00
HIGH_RIVER___SOLAR 323847	47.35 1.11 0.00	40.94 0.92 0.00	39.51 0.89 0.00	39.99 0.94 0.00	40.68 0.95 0.00	45.13 1.14 0.00	62.27 1.76 0.00	75.70 2.13 0.00	58.99 1.10 0.00	45.83 0.36 0.00	41.24 0.04 0.00	42.09 0.21 0.00	39.40 0.39 0.00	42.41 0.50 0.00	42.30 0.54 0.00	43.48 0.77 0.00	48.40 1.04 0.00	53.99 1.32 0.00	60.82 1.77 0.00	67.15 2.14 0.00	57.40 1.78 0.00	54.84 1.55 0.00	49.81 1.40 0.00	45.40 1.19 0.00
HILLBURN___GT 23639	47.59 1.34 0.00	40.94 0.92 0.00	39.43 0.81 0.00	39.91 0.86 0.00	40.56 0.84 0.00	45.13 1.14 0.00	62.21 1.69 0.00	76.07 2.50 0.00	59.80 1.91 0.00	47.02 1.55 0.00	42.76 1.57 0.00	43.55 1.68 0.00	40.57 1.56 0.00	43.62 1.72 0.00	43.56 1.79 0.00	44.63 1.92 0.00	49.39 2.03 0.00	54.89 2.21 0.00	61.41 2.36 0.00	67.67 2.67 0.00	57.74 2.11 0.00	55.05 1.76 0.00	50.00 1.60 0.00	45.67 1.46 0.00
HILLSIDE_115KV_TB1 80332	44.86 -1.39 0.00	38.42 -1.60 0.00	37.08 -1.54 0.00	37.33 -1.72 0.00	37.94 -1.79 0.00	41.92 -2.07 0.00	55.54 -2.66 2.31	66.28 -3.75 3.54	57.83 -2.78 -2.72	46.94 -2.23 -3.69	42.67 -2.02 -3.49	43.18 -2.22 -3.52	40.07 -2.22 -3.28	41.76 -2.51 -2.37	41.61 -2.55 -2.40	24.85 -2.48 15.38	38.92 -2.65 5.79	27.36 -2.79 22.53	45.03 -3.01 11.00	46.42 -3.12 15.47	45.03 -2.67 7.93	45.51 -2.56 5.23	20.29 -2.52 25.60	43.43 -2.34 -1.56

HISHELDN_WT_PWR 323625	43.24 -3.01 0.00	36.78 -3.24 0.00	35.61 -3.01 0.00	35.73 -3.32 0.00	36.19 -3.54 0.00	39.55 -4.44 0.00	32.22 -6.47 21.82	31.16 -9.05 33.36	31.33 -6.25 20.31	16.69 -5.00 23.78	14.19 -4.53 22.47	14.34 -4.86 22.68	13.03 -4.84 21.14	12.22 -5.36 24.32	12.14 -5.43 24.20	9.23 -5.51 27.97	9.20 -6.06 32.10	12.10 -6.69 33.89	14.82 -7.27 36.96	15.11 -7.87 42.03	15.25 -6.73 33.64	12.13 -6.50 34.66	12.07 -6.10 30.23	14.27 -5.75 24.20
HOLTSVILLE_IC_1 23690	48.83 2.59 0.00	42.06 2.04 0.00	40.36 1.74 0.00	40.73 1.68 0.00	41.56 1.83 0.00	46.36 2.37 0.00	63.06 2.54 0.00	76.80 3.23 0.00	60.26 2.37 0.00	48.02 2.54 0.00	43.96 2.76 0.00	44.68 2.81 0.00	41.54 2.53 0.00	44.83 2.93 0.00	44.86 3.09 -0.01	46.00 3.29 -0.01	50.82 3.46 -0.01	56.37 3.69 -0.01	63.07 4.02 -0.01	71.70 4.55 -2.15	59.42 3.78 -0.01	56.72 3.41 -0.01	51.16 2.76 0.00	46.95 2.74 0.00
HOLTSVILLE_IC_10 23699	49.11 2.87 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.93 1.87 0.00	41.75 2.03 0.00	46.58 2.59 0.00	63.36 2.84 0.00	77.17 3.60 0.00	60.55 2.66 0.00	48.25 2.77 0.00	44.20 3.01 0.00	44.89 3.02 0.00	41.74 2.73 0.00	45.05 3.14 0.00	45.07 3.30 -0.01	46.26 3.54 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.49 4.43 -0.01	72.17 5.01 -2.16	59.81 4.17 -0.01	57.04 3.73 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
HOLTSVILLE_IC_2 23691	48.83 2.59 0.00	42.06 2.04 0.00	40.36 1.74 0.00	40.73 1.68 0.00	41.56 1.83 0.00	46.36 2.37 0.00	63.06 2.54 0.00	76.80 3.23 0.00	60.26 2.37 0.00	48.02 2.54 0.00	43.96 2.76 0.00	44.68 2.81 0.00	41.54 2.53 0.00	44.83 2.93 0.00	44.86 3.09 -0.01	46.00 3.29 -0.01	50.82 3.46 -0.01	56.37 3.69 -0.01	63.07 4.02 -0.01	71.70 4.55 -2.15	59.42 3.78 -0.01	56.72 3.41 -0.01	51.16 2.76 0.00	46.95 2.74 0.00
HOLTSVILLE_IC_3 23692	48.83 2.59 0.00	42.06 2.04 0.00	40.36 1.74 0.00	40.73 1.68 0.00	41.56 1.83 0.00	46.36 2.37 0.00	63.06 2.54 0.00	76.80 3.23 0.00	60.26 2.37 0.00	48.02 2.54 0.00	43.96 2.76 0.00	44.68 2.81 0.00	41.54 2.53 0.00	44.83 2.93 0.00	44.86 3.09 -0.01	46.00 3.29 -0.01	50.82 3.46 -0.01	56.37 3.69 -0.01	63.07 4.02 -0.01	71.70 4.55 -2.15	59.42 3.78 -0.01	56.72 3.41 -0.01	51.16 2.76 0.00	46.95 2.74 0.00
HOLTSVILLE_IC_4 23693	48.83 2.59 0.00	42.06 2.04 0.00	40.36 1.74 0.00	40.73 1.68 0.00	41.56 1.83 0.00	46.36 2.37 0.00	63.06 2.54 0.00	76.80 3.23 0.00	60.26 2.37 0.00	48.02 2.54 0.00	43.96 2.76 0.00	44.68 2.81 0.00	41.54 2.53 0.00	44.83 2.93 0.00	44.86 3.09 -0.01	46.00 3.29 -0.01	50.82 3.46 -0.01	56.37 3.69 -0.01	63.07 4.02 -0.01	71.70 4.55 -2.15	59.42 3.78 -0.01	56.72 3.41 -0.01	51.16 2.76 0.00	46.95 2.74 0.00
HOLTSVILLE_IC_5 23694	48.83 2.59 0.00	42.06 2.04 0.00	40.36 1.74 0.00	40.73 1.68 0.00	41.56 1.83 0.00	46.36 2.37 0.00	63.06 2.54 0.00	76.80 3.23 0.00	60.26 2.37 0.00	48.02 2.54 0.00	43.96 2.76 0.00	44.68 2.81 0.00	41.54 2.53 0.00	44.83 2.93 0.00	44.86 3.09 -0.01	46.00 3.29 -0.01	50.82 3.46 -0.01	56.37 3.69 -0.01	63.07 4.02 -0.01	71.70 4.55 -2.15	59.42 3.78 -0.01	56.72 3.41 -0.01	51.16 2.76 0.00	46.95 2.74 0.00
HOLTSVILLE_IC_6 23695	49.11 2.87 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.93 1.87 0.00	41.75 2.03 0.00	46.58 2.59 0.00	63.36 2.84 0.00	77.17 3.60 0.00	60.55 2.66 0.00	48.25 2.77 0.00	44.20 3.01 0.00	44.89 3.02 0.00	41.74 2.73 0.00	45.05 3.14 0.00	45.07 3.30 -0.01	46.26 3.54 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.49 4.43 -0.01	72.17 5.01 -2.16	59.81 4.17 -0.01	57.04 3.73 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
HOLTSVILLE_IC_7 23696	49.11 2.87 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.93 1.87 0.00	41.75 2.03 0.00	46.58 2.59 0.00	63.36 2.84 0.00	77.17 3.60 0.00	60.55 2.66 0.00	48.25 2.77 0.00	44.20 3.01 0.00	44.89 3.02 0.00	41.74 2.73 0.00	45.05 3.14 0.00	45.07 3.30 -0.01	46.26 3.54 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.49 4.43 -0.01	72.17 5.01 -2.16	59.81 4.17 -0.01	57.04 3.73 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
HOLTSVILLE_IC_8 23697	49.11 2.87 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.93 1.87 0.00	41.75 2.03 0.00	46.58 2.59 0.00	63.36 2.84 0.00	77.17 3.60 0.00	60.55 2.66 0.00	48.25 2.77 0.00	44.20 3.01 0.00	44.89 3.02 0.00	41.74 2.73 0.00	45.05 3.14 0.00	45.07 3.30 -0.01	46.26 3.54 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.49 4.43 -0.01	72.17 5.01 -2.16	59.81 4.17 -0.01	57.04 3.73 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
HOLTSVILLE_IC_9 23698	49.11 2.87 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.93 1.87 0.00	41.75 2.03 0.00	46.58 2.59 0.00	63.36 2.84 0.00	77.17 3.60 0.00	60.55 2.66 0.00	48.25 2.77 0.00	44.20 3.01 0.00	44.89 3.02 0.00	41.74 2.73 0.00	45.05 3.14 0.00	45.07 3.30 -0.01	46.26 3.54 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.49 4.43 -0.01	72.17 5.01 -2.16	59.81 4.17 -0.01	57.04 3.73 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
HOMER_HL_115KV_TB2 355744	44.30 -1.94 0.00	37.70 -2.32 0.00	36.42 -2.20 0.00	36.55 -2.50 0.00	37.03 -2.70 0.00	40.69 -3.30 0.00	44.84 -4.18 11.50	50.47 -5.52 17.58	46.43 -3.76 7.70	33.87 -2.91 8.69	30.30 -2.68 8.21	30.65 -2.93 8.29	28.32 -2.96 7.73	27.83 -3.31 10.77	27.76 -3.34 10.66	24.04 -3.80 14.86	28.58 -4.21 14.56	28.91 -4.58 19.18	37.73 -5.02 16.30	38.88 -5.40 20.73	37.88 -4.67 13.08	34.29 -4.53 14.48	26.27 -4.36 17.78	35.35 -4.16 4.70
HOWARD_WT_PWR 323690	44.21 -2.03 0.00	37.98 -2.04 0.00	36.81 -1.81 0.00	37.26 -1.80 0.00	37.82 -1.91 0.00	41.75 -2.24 0.00	109.28 -3.39 -52.16	148.13 -5.15 -79.72	84.43 -3.76 -30.30	75.62 -3.41 -33.56	69.53 -3.38 -31.72	70.00 -3.89 -32.02	64.36 -4.48 -29.84	65.86 -5.41 -29.36	65.63 -5.47 -29.34	34.64 -4.95 3.12	52.65 -5.30 -10.59	38.20 -5.58 8.89	61.92 -5.96 -8.84	63.60 -6.04 -4.63	62.77 -5.23 -12.37	62.47 -5.01 -14.19	29.80 -4.79 13.81	61.37 -4.55 -21.71
HQ_GEN_CEDARS 23644	46.94 0.69 0.00	44.43 1.04 -3.37	46.16 1.04 -6.50	40.17 1.02 -0.10	47.26 1.11 -6.42	45.05 1.06 0.00	74.18 1.03 -12.64	104.71 1.32 -29.82	58.58 0.69 0.00	46.20 0.73 0.00	41.86 0.66 0.00	42.42 0.54 0.00	39.55 0.55 0.00	42.45 0.54 0.00	42.39 0.63 0.00	42.79 0.09 0.00	47.36 0.00 0.00	52.46 -0.21 0.00	58.87 -0.18 0.00	64.42 -0.59 0.00	55.24 -0.39 0.00	53.56 0.27 0.00	48.89 0.48 0.00	44.83 0.62 0.00
HQ_GEN_CEDARS_PROXY 323590	46.94 0.69 0.00	44.43 1.04 -3.37	46.16 1.04 -6.50	40.17 1.01 -0.10	47.26 1.11 -6.42	45.04 1.05 0.00	74.37 1.21 -12.64	104.78 1.39 -29.82	58.59 0.70 0.00	46.35 0.73 -0.15	41.70 0.66 0.15	42.50 0.63 0.00	39.59 0.59 0.00	42.41 0.50 0.00	42.39 0.63 0.00	42.79 0.09 0.00	47.36 0.00 0.00	52.47 -0.21 0.00	58.87 -0.18 0.00	64.42 -0.59 0.00	55.24 -0.39 0.00	53.57 0.27 0.00	48.89 0.48 0.00	44.83 0.62 0.00

HQ_GEN_CHPE_PROXY 323851	48.00 1.76 0.00	41.26 1.24 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.65 3.09 0.00	60.21 2.32 0.00	47.58 1.95 -0.15	43.15 2.10 0.15	44.14 2.26 0.00	41.07 2.07 0.00	44.20 2.30 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.18 2.56 0.00	55.48 2.19 0.00	50.44 2.03 0.00	46.07 1.86 0.00
HQ_GEN_IMPORT 323601	46.43 0.19 0.00	40.24 0.32 0.10	38.73 0.31 0.20	39.36 0.31 0.00	39.89 0.36 0.20	44.30 0.31 0.00	60.50 0.37 0.39	73.10 0.44 0.91	58.12 0.23 0.00	45.90 0.27 -0.15	41.29 0.25 0.15	42.13 0.25 0.00	39.20 0.20 0.00	42.11 0.21 0.00	41.97 0.21 0.00	42.79 0.09 0.00	47.41 0.05 0.00	52.62 -0.05 0.00	58.99 -0.06 0.00	64.81 -0.19 0.00	55.51 -0.11 0.00	53.35 0.05 0.00	48.50 0.10 0.00	44.34 0.13 0.00
HQ_GEN_WHEEL 23651	46.43 0.19 0.00	40.24 0.32 0.10	38.73 0.31 0.20	39.36 0.31 0.00	39.89 0.36 0.20	44.30 0.31 0.00	60.50 0.37 0.39	73.10 0.44 0.91	58.12 0.23 0.00	45.90 0.27 -0.15	41.29 0.25 0.15	42.13 0.25 0.00	39.20 0.20 0.00	42.11 0.21 0.00	41.97 0.21 0.00	42.79 0.09 0.00	47.41 0.05 0.00	52.62 -0.05 0.00	58.99 -0.06 0.00	64.81 -0.19 0.00	55.51 -0.11 0.00	53.35 0.05 0.00	48.50 0.10 0.00	44.34 0.13 0.00
HUDSON_AVE_GT_3 23810	48.05 1.80 0.00	41.30 1.28 0.00	39.74 1.12 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.53 1.54 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.32 2.43 0.00	47.52 2.05 0.00	43.34 2.14 0.00	44.26 2.39 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.27 2.56 0.00	50.01 2.65 0.00	55.52 2.84 0.00	62.00 2.95 0.00	68.26 3.25 0.00	58.24 2.61 0.00	55.54 2.24 0.00	50.49 2.08 0.00	46.11 1.90 0.00
HUDSON_AVE_GT_4 23540	48.05 1.80 0.00	41.30 1.28 0.00	39.74 1.12 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.53 1.54 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.32 2.43 0.00	47.52 2.05 0.00	43.34 2.14 0.00	44.26 2.39 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.27 2.56 0.00	50.01 2.65 0.00	55.52 2.84 0.00	62.00 2.95 0.00	68.26 3.25 0.00	58.24 2.61 0.00	55.54 2.24 0.00	50.49 2.08 0.00	46.11 1.90 0.00
HUDSON_AVE_GT_5 23657	48.05 1.80 0.00	41.30 1.28 0.00	39.74 1.12 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.53 1.54 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.32 2.43 0.00	47.52 2.05 0.00	43.34 2.14 0.00	44.26 2.39 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.27 2.56 0.00	50.01 2.65 0.00	55.52 2.84 0.00	62.00 2.95 0.00	68.26 3.25 0.00	58.24 2.61 0.00	55.54 2.24 0.00	50.49 2.08 0.00	46.11 1.90 0.00
HUDSON_AVE_10 24168	47.91 1.66 0.00	41.18 1.16 0.00	39.63 1.00 0.00	40.15 1.09 0.00	40.80 1.07 0.00	45.44 1.45 0.00	62.51 2.00 0.00	76.29 2.72 0.00	60.21 2.32 0.00	47.43 1.96 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.15 2.15 0.00	44.21 2.30 0.00	44.14 2.38 0.00	45.18 2.48 0.00	49.92 2.56 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.18 2.56 0.00	55.43 2.13 0.00	50.34 1.94 0.00	46.02 1.81 0.00
HUDSON___115KV_TB 4 355613	47.77 1.53 0.00	41.34 1.32 0.00	39.90 1.27 0.00	40.38 1.33 0.00	41.04 1.31 0.00	45.53 1.54 0.00	62.94 2.42 0.00	76.14 2.57 0.00	59.74 1.85 0.00	46.56 1.09 0.00	41.90 0.70 0.00	42.63 0.75 0.00	39.75 0.74 0.00	42.78 0.88 0.00	42.64 0.88 0.00	43.82 1.11 0.00	48.78 1.42 0.00	54.47 1.79 0.00	61.35 2.30 0.00	67.67 2.67 0.00	57.91 2.28 0.00	55.22 1.92 0.00	50.29 1.89 0.00	45.89 1.68 0.00
HUNTER MOUNT___DRP 323613	47.95 1.71 0.00	41.50 1.48 0.00	40.05 1.43 0.00	40.54 1.48 0.00	41.20 1.47 0.00	45.66 1.67 0.00	63.24 2.72 0.00	76.29 2.72 0.00	59.80 1.91 0.00	46.52 1.05 0.00	41.81 0.62 0.00	42.59 0.71 0.00	39.67 0.66 0.00	42.70 0.80 0.00	42.56 0.79 0.00	43.73 1.02 0.00	48.68 1.33 0.00	54.47 1.79 0.00	61.41 2.36 0.00	67.74 2.73 0.00	57.91 2.28 0.00	55.27 1.97 0.00	50.39 1.98 0.00	46.02 1.81 0.00
HUNTINGTON_RES_REC 323705	48.78 2.54 0.00	42.02 2.00 0.00	40.32 1.70 0.00	40.69 1.64 0.00	41.47 1.75 0.00	46.28 2.29 0.00	62.94 2.42 0.00	76.80 3.23 0.00	60.26 2.37 0.00	47.97 2.50 0.00	43.91 2.72 0.00	44.68 2.81 0.00	41.54 2.53 0.00	44.83 2.93 0.00	44.86 3.09 -0.01	46.00 3.29 -0.01	50.78 3.41 -0.01	56.32 3.63 -0.01	63.01 3.96 -0.01	71.65 4.48 -2.16	59.30 3.67 -0.01	56.61 3.31 -0.01	51.12 2.71 0.00	46.95 2.74 0.00
HUNTLEY___63 23557	42.59 -3.65 0.00	36.10 -3.92 0.00	34.84 -3.78 0.00	35.03 -4.02 0.00	35.44 -4.29 0.00	38.58 -5.41 0.00	42.29 -7.32 10.90	48.14 -8.75 16.67	42.85 -7.12 7.92	31.13 -5.32 9.02	28.02 -4.66 8.52	28.37 -4.90 8.60	26.19 -4.80 8.02	24.69 -5.28 11.93	24.70 -5.26 11.80	19.55 -5.51 17.65	19.16 -6.11 22.09	24.53 -6.85 21.30	28.82 -7.50 22.73	29.14 -8.19 27.68	29.56 -7.01 19.05	24.11 -6.72 22.47	24.70 -6.29 17.41	28.13 -5.92 10.15
HUNTLEY___64 23558	42.59 -3.65 0.00	36.10 -3.92 0.00	34.84 -3.78 0.00	35.03 -4.02 0.00	35.44 -4.29 0.00	38.58 -5.41 0.00	42.29 -7.32 10.90	48.14 -8.75 16.67	42.85 -7.12 7.92	31.13 -5.32 9.02	28.02 -4.66 8.52	28.37 -4.90 8.60	26.19 -4.80 8.02	24.69 -5.28 11.93	24.70 -5.26 11.80	19.55 -5.51 17.65	19.16 -6.11 22.09	24.53 -6.85 21.30	28.82 -7.50 22.73	29.14 -8.19 27.68	29.56 -7.01 19.05	24.11 -6.72 22.47	24.70 -6.29 17.41	28.13 -5.92 10.15
HUNTLEY___65 23559	42.59 -3.65 0.00	36.10 -3.92 0.00	34.84 -3.78 0.00	35.03 -4.02 0.00	35.44 -4.29 0.00	38.58 -5.41 0.00	42.29 -7.32 10.90	48.14 -8.75 16.67	42.85 -7.12 7.92	31.13 -5.32 9.02	28.02 -4.66 8.52	28.37 -4.90 8.60	26.19 -4.80 8.02	24.69 -5.28 11.93	24.70 -5.26 11.80	19.55 -5.51 17.65	19.16 -6.11 22.09	24.53 -6.85 21.30	28.82 -7.50 22.73	29.14 -8.19 27.68	29.56 -7.01 19.05	24.11 -6.72 22.47	24.70 -6.29 17.41	28.13 -5.92 10.15
HUNTLEY___66 23560	42.59 -3.65 0.00	36.10 -3.92 0.00	34.84 -3.78 0.00	35.03 -4.02 0.00	35.44 -4.29 0.00	38.58 -5.41 0.00	42.29 -7.32 10.90	48.14 -8.75 16.67	42.85 -7.12 7.92	31.13 -5.32 9.02	28.02 -4.66 8.52	28.37 -4.90 8.60	26.19 -4.80 8.02	24.69 -5.28 11.93	24.70 -5.26 11.80	19.55 -5.51 17.65	19.16 -6.11 22.09	24.53 -6.85 21.30	28.82 -7.50 22.73	29.14 -8.19 27.68	29.56 -7.01 19.05	24.11 -6.72 22.47	24.70 -6.29 17.41	28.13 -5.92 10.15
HUNTLEY___67 23561	42.54 -3.70 0.00	36.02 -4.00 0.00	34.80 -3.82 0.00	34.95 -4.10 0.00	35.40 -4.33 0.00	38.62 -5.37 0.00	40.59 -7.26 12.67	45.45 -8.75 19.36	41.43 -7.29 9.17	29.50 -5.50 10.47	26.49 -4.82 9.89	26.78 -5.11 9.98	24.75 -4.95 9.31	23.64 -5.45 12.81	23.64 -5.43 12.69	18.89 -5.68 18.14	19.26 -6.30 21.80	23.56 -7.06 22.06	28.19 -7.68 23.19	28.67 -8.45 27.89	28.61 -7.23 19.78	23.97 -6.88 22.45	23.30 -6.44 18.66	26.91 -6.06 11.24

HUNTLEY___68 23562	42.54 -3.70 0.00	36.02 -4.00 0.00	34.80 -3.82 0.00	34.95 -4.10 0.00	35.40 -4.33 0.00	38.62 -5.37 0.00	40.59 -7.26 12.67	45.45 -8.75 19.36	41.43 -7.29 9.17	29.50 -5.50 10.47	26.49 -4.82 9.89	26.78 -5.11 9.98	24.75 -4.95 9.31	23.64 -5.45 12.81	23.64 -5.43 12.69	18.89 -5.68 18.14	19.26 -6.30 21.80	23.56 -7.06 22.06	28.19 -7.68 23.19	28.67 -8.45 27.89	28.61 -7.23 19.78	23.97 -6.88 22.45	23.30 -6.44 18.66	26.91 -6.06 11.24
HYLAND___LFGE 323620	46.75 0.51 0.00	39.94 -0.08 0.00	38.58 -0.04 0.00	38.86 -0.19 0.00	39.65 -0.08 0.00	43.90 -0.09 0.00	111.57 -0.12 -51.18	150.39 -1.40 -78.22	84.32 -1.62 -28.05	74.21 -2.05 -30.78	68.18 -2.10 -29.09	68.81 -2.43 -29.36	63.64 -2.73 -27.37	66.67 -3.14 -27.91	66.53 -3.09 -27.86	47.93 -2.78 -7.99	63.81 -2.37 -18.82	56.74 -2.00 -6.06	77.82 -1.18 -19.95	82.78 -0.59 -18.36	76.87 -0.39 -21.63	75.65 -0.27 -22.61	49.38 -0.63 -1.61	68.89 -0.88 -25.57
INDECK___CORINTH 23802	46.57 0.33 0.00	40.22 0.20 0.00	38.93 0.31 0.00	39.36 0.31 0.00	39.97 0.24 0.00	44.38 0.40 0.00	61.48 0.97 0.00	74.96 1.39 0.00	58.64 0.75 0.00	45.56 0.09 0.00	41.03 -0.16 0.00	41.67 -0.21 0.00	39.09 0.08 0.00	41.99 0.08 0.00	41.47 -0.29 0.00	42.66 -0.04 0.00	47.50 0.14 0.00	53.31 0.63 0.00	60.05 1.00 0.00	66.31 1.30 0.00	56.63 1.00 0.00	53.94 0.64 0.00	49.08 0.68 0.00	44.65 0.44 0.00
INDECK___ILION 23567	45.97 -0.28 0.00	39.85 -0.24 -0.07	38.56 -0.19 -0.13	38.94 -0.12 0.00	39.82 -0.04 -0.13	44.03 0.04 0.00	60.83 0.06 -0.25	74.38 0.22 -0.60	57.95 0.06 0.00	45.47 0.00 0.00	41.16 -0.04 0.00	41.79 -0.08 0.00	38.89 -0.12 0.00	41.73 -0.17 0.00	41.55 -0.21 0.00	42.54 -0.17 0.00	47.17 -0.19 0.00	52.46 -0.21 0.00	58.81 -0.24 0.00	64.75 -0.26 0.00	55.40 -0.22 0.00	53.03 -0.27 0.00	48.16 -0.24 0.00	43.99 -0.22 0.00
INDECK___OLEAN 23982	44.30 -1.94 0.00	37.70 -2.32 0.00	36.46 -2.16 0.00	36.55 -2.50 0.00	37.03 -2.70 0.00	40.69 -3.30 11.50	44.17 -4.84 17.58	50.17 -5.81 7.70	46.37 -3.82 8.69	33.87 -2.91 8.21	30.31 -2.68 8.29	30.65 -2.93 8.29	28.31 -2.97 7.73	27.83 -3.31 10.77	27.76 -3.34 10.66	24.03 -3.80 14.88	28.56 -4.22 14.59	28.89 -4.58 19.20	37.71 -5.02 16.32	38.89 -5.39 20.73	37.88 -4.67 13.07	34.29 -4.53 14.48	26.27 -4.36 17.78	35.35 -4.16 4.70
INDECK___OSWEGO 23783	45.41 -0.83 0.00	39.38 -0.80 -0.16	38.15 -0.77 -0.30	38.28 -0.78 0.00	39.27 -0.76 -0.30	43.20 -0.79 0.00	60.02 -1.09 -0.59	73.56 -1.40 -1.40	56.79 -1.10 0.00	44.51 -0.96 0.00	40.33 -0.87 0.00	40.95 -0.92 0.00	38.11 -0.90 0.00	40.94 -0.96 0.00	40.76 -1.00 0.00	41.73 -0.98 0.00	46.32 -1.04 0.00	51.62 -1.05 0.00	57.93 -1.12 0.00	63.90 -1.11 0.00	54.68 -0.95 0.00	52.44 -0.85 0.00	47.54 -0.87 0.00	43.32 -0.88 0.00
INDECK___YERKES 23781	42.64 -3.61 0.00	36.14 -3.88 0.00	34.99 -3.63 0.00	35.03 -4.02 0.00	35.48 -4.25 0.00	38.58 -5.41 10.90	41.98 -7.63 16.67	46.16 -10.74 7.92	43.14 -6.83 9.02	31.22 -5.23 8.52	28.02 -4.66 8.60	28.41 -4.86 8.02	26.23 -4.76 8.02	24.73 -5.24 11.93	24.74 -5.22 11.80	19.59 -5.47 17.65	19.15 -6.11 22.10	24.58 -6.79 21.30	28.87 -7.44 22.73	29.20 -8.13 27.68	29.57 -7.01 19.05	24.12 -6.72 22.47	24.70 -6.29 17.41	28.13 -5.92 10.15
INDIAN POINT_GT_1 24139	47.63 1.39 0.00	40.98 0.96 0.00	39.47 0.85 0.00	39.95 0.90 0.00	40.60 0.87 0.00	45.18 1.19 0.00	62.27 1.75 0.00	75.85 2.28 0.00	59.86 1.97 0.00	47.06 1.59 0.00	42.80 1.61 0.00	43.68 1.80 0.00	40.69 1.68 0.00	43.70 1.80 0.00	43.64 1.88 0.00	44.71 2.01 0.00	49.49 2.13 0.00	54.99 2.32 0.00	61.47 2.42 0.00	67.74 2.73 0.00	57.79 2.17 0.00	55.11 1.81 0.00	50.05 1.65 0.00	45.76 1.55 0.00
INDIAN POINT_GT_2 23659	47.63 1.39 0.00	40.98 0.96 0.00	39.47 0.85 0.00	39.95 0.90 0.00	40.60 0.87 0.00	45.18 1.19 0.00	62.27 1.75 0.00	75.85 2.28 0.00	59.86 1.97 0.00	47.06 1.59 0.00	42.80 1.61 0.00	43.68 1.80 0.00	40.69 1.68 0.00	43.70 1.80 0.00	43.64 1.88 0.00	44.71 2.01 0.00	49.49 2.13 0.00	54.99 2.32 0.00	61.47 2.42 0.00	67.74 2.73 0.00	57.79 2.17 0.00	55.11 1.81 0.00	50.05 1.65 0.00	45.76 1.55 0.00
INDIAN POINT_GT_3 24019	47.63 1.39 0.00	40.98 0.96 0.00	39.47 0.85 0.00	39.95 0.90 0.00	40.60 0.87 0.00	45.18 1.19 0.00	62.27 1.75 0.00	75.85 2.28 0.00	59.86 1.97 0.00	47.06 1.59 0.00	42.80 1.61 0.00	43.68 1.80 0.00	40.69 1.68 0.00	43.70 1.80 0.00	43.64 1.88 0.00	44.71 2.01 0.00	49.49 2.13 0.00	54.99 2.32 0.00	61.47 2.42 0.00	67.74 2.73 0.00	57.79 2.17 0.00	55.11 1.81 0.00	50.05 1.65 0.00	45.76 1.55 0.00
INDIAN POINT___2 23530	47.59 1.34 0.00	40.94 0.92 0.00	39.43 0.81 0.00	39.91 0.86 0.00	40.56 0.84 0.00	45.13 1.14 0.00	62.15 1.63 0.00	75.99 2.42 0.00	59.74 1.85 0.00	47.02 1.55 0.00	42.80 1.61 0.00	43.59 1.72 0.00	40.61 1.60 0.00	43.66 1.76 0.00	43.60 1.84 0.00	44.67 1.97 0.00	49.44 2.08 0.00	54.89 2.21 0.00	61.41 2.36 0.00	67.67 2.67 0.00	57.74 2.11 0.00	55.05 1.76 0.00	50.00 1.60 0.00	45.67 1.46 0.00
INDIAN POINT___3 23531	47.58 1.34 0.00	40.94 0.92 0.00	39.43 0.81 0.00	39.91 0.86 0.00	40.56 0.83 0.00	45.13 1.14 0.00	62.21 1.69 0.00	75.77 2.21 0.00	59.74 1.85 0.00	47.02 1.55 0.00	42.76 1.57 0.00	43.63 1.76 0.00	40.65 1.64 0.00	43.66 1.76 0.00	43.56 1.80 0.00	44.67 1.96 0.00	49.44 2.08 0.00	54.89 2.21 0.00	61.41 2.36 0.00	67.67 2.67 0.00	57.74 2.11 0.00	55.06 1.76 0.00	50.00 1.60 0.00	45.67 1.46 0.00
INGHAM_C_115KV_TB7 356103	45.55 -0.69 0.00	39.53 -0.56 -0.07	38.33 -0.42 -0.13	38.74 -0.31 0.00	39.66 -0.20 -0.13	43.95 -0.04 0.00	60.77 0.00 -0.25	74.31 0.15 -0.60	57.83 -0.06 0.00	45.33 -0.14 0.00	41.03 -0.16 0.00	41.58 -0.29 0.00	38.66 -0.35 0.00	41.44 -0.46 0.00	41.18 -0.58 0.00	42.15 -0.56 0.00	46.74 -0.62 0.00	51.94 -0.74 0.00	58.22 -0.83 0.00	64.10 -0.91 0.00	54.90 -0.72 0.00	52.55 -0.75 0.00	47.73 -0.68 0.00	43.55 -0.66 0.00
IP CORINTH___1 23988	46.80 0.55 0.00	40.46 0.44 0.00	39.12 0.50 0.00	39.56 0.51 0.00	40.21 0.48 0.00	44.65 0.66 0.00	61.85 1.33 0.00	75.26 1.69 0.00	58.99 1.10 0.00	45.83 0.36 0.00	41.24 0.04 0.00	41.92 0.04 0.00	39.24 0.23 0.00	42.20 0.29 0.00	41.72 -0.04 0.00	42.92 0.21 0.00	47.78 0.43 0.00	53.57 0.90 0.00	60.41 1.36 0.00	66.63 1.63 0.00	56.90 1.28 0.00	54.20 0.91 0.00	49.33 0.92 0.00	44.92 0.71 0.00
IP___TICONDEROGA 23804	48.09 1.85 0.00	41.54 1.52 0.00	40.24 1.62 0.00	40.69 1.64 0.00	41.36 1.63 0.00	45.97 1.98 0.00	63.90 3.39 0.00	77.61 4.05 0.00	60.44 2.55 0.00	46.61 1.14 0.00	41.81 0.62 0.00	42.46 0.59 0.00	39.79 0.78 0.00	42.78 0.88 0.00	42.47 0.71 0.00	43.82 1.11 0.00	48.87 1.52 0.00	54.73 2.05 0.00	62.00 2.95 0.00	68.58 3.58 0.00	58.52 2.89 0.00	55.59 2.29 0.00	50.68 2.28 0.00	45.98 1.77 0.00

ISLIP_RES_REC 323679	49.29 3.05 0.00	42.46 2.44 0.00	40.74 2.12 0.00	41.08 2.03 0.00	41.91 2.18 0.00	46.81 2.82 0.00	63.72 3.21 0.00	77.53 3.97 0.00	60.84 2.95 0.00	48.47 3.00 0.00	44.37 3.17 0.00	45.10 3.22 0.00	41.89 2.89 0.00	45.26 3.35 0.00	45.28 3.51 -0.01	46.47 3.76 -0.01	51.39 4.02 -0.01	57.00 4.32 -0.01	63.84 4.78 -0.01	72.51 5.33 -2.17	60.09 4.45 -0.01	57.36 4.05 -0.01	51.65 3.24 0.00	47.35 3.14 0.00
JAMAICA__27_KV_LOAD 355505	47.95 1.71 0.00	41.38 1.36 0.00	39.82 1.20 0.00	40.38 1.33 0.00	41.04 1.31 0.00	45.79 1.80 0.00	63.00 2.48 0.00	76.95 3.38 0.00	60.67 2.78 0.00	47.74 2.27 0.00	43.79 2.60 0.00	44.68 2.81 0.00	41.58 2.57 0.00	44.71 2.81 0.00	44.60 2.84 0.00	45.70 2.99 0.00	50.39 3.03 0.00	55.94 3.27 0.00	62.53 3.48 0.00	68.91 3.90 0.00	58.80 3.17 0.00	55.96 2.66 0.00	50.68 2.28 0.00	46.37 2.17 0.00
JANIS__SOLAR 323808	47.72 1.48 0.00	41.14 1.12 0.00	39.70 1.08 0.00	40.19 1.13 0.00	41.00 1.27 0.00	45.57 1.58 0.00	62.63 2.12 0.00	75.99 2.42 0.00	60.89 1.39 -1.61	48.08 0.55 -2.06	43.43 0.29 -1.95	43.92 0.08 -1.97	40.88 0.04 -1.83	43.77 0.00 -1.87	43.75 0.13 -1.86	60.08 0.30 -17.07	54.15 0.57 -6.22	78.65 1.21 -24.77	74.05 1.77 -13.23	84.36 2.27 -17.08	68.42 1.95 -10.85	61.54 1.76 -6.49	78.49 1.35 -28.73	47.65 1.11 -2.33
JARVIS____ 23743	46.20 -0.05 0.00	40.05 -0.04 -0.07	38.71 -0.04 -0.13	39.02 -0.04 0.00	39.82 -0.04 -0.13	43.95 -0.04 0.00	60.71 -0.06 -0.25	74.16 0.00 -0.60	57.83 -0.06 0.00	45.43 -0.05 0.00	41.16 -0.04 0.00	41.83 -0.04 0.00	38.97 -0.04 0.00	41.90 0.00 0.00	41.76 0.00 0.00	42.75 0.04 0.00	47.36 0.00 0.00	52.73 0.05 0.00	59.11 0.06 0.00	65.14 0.13 0.00	55.68 0.06 0.00	53.35 0.05 0.00	48.41 0.00 0.00	44.25 0.04 0.00
JENNISON__1 23625	47.54 1.29 0.00	41.02 1.00 0.00	39.63 1.00 0.00	40.15 1.09 0.00	40.92 1.19 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.21 2.65 0.00	59.57 1.68 0.00	46.47 1.00 0.00	42.06 0.87 0.00	42.55 0.67 0.00	39.67 0.66 0.00	42.57 0.67 0.00	42.47 0.71 0.00	46.94 0.85 -3.38	49.41 1.04 -1.01	59.44 1.79 -4.98	63.56 2.07 -2.44	70.72 2.47 -3.24	59.56 2.00 -1.93	55.87 1.55 -1.02	55.57 1.31 -5.85	45.47 1.11 -0.15
JENNISON__2 23626	47.54 1.29 0.00	41.02 1.00 0.00	39.63 1.00 0.00	40.15 1.09 0.00	40.92 1.19 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.21 2.65 0.00	59.57 1.68 0.00	46.47 1.00 0.00	42.06 0.87 0.00	42.55 0.67 0.00	39.67 0.66 0.00	42.57 0.67 0.00	42.47 0.71 -3.38	46.94 0.85 -1.01	49.41 1.04 -4.98	59.44 1.79 -2.44	63.56 2.07 -2.44	70.72 2.47 -3.24	59.56 2.00 -1.93	55.87 1.55 -1.02	55.57 1.31 -5.85	45.47 1.11 -0.15
JERICHO_RISE_WT_PWR 323719	46.34 0.09 0.00	40.90 0.52 -0.36	39.85 0.54 -0.69	39.65 0.59 -0.01	41.12 0.72 -0.68	44.74 0.75 0.00	62.88 1.03 -1.33	77.96 1.25 -3.15	58.70 0.81 0.00	46.24 0.77 0.00	41.85 0.66 0.00	42.50 0.63 0.00	39.55 0.55 0.00	42.36 0.46 0.00	42.18 0.42 0.00	42.58 -0.13 0.00	47.03 -0.33 0.00	51.99 -0.69 0.00	58.22 -0.83 0.00	63.64 -1.37 0.00	54.57 -1.06 0.00	52.77 -0.53 0.00	48.02 -0.39 0.00	43.94 -0.26 0.00
KATONAH__115KV_46KV_TB4 355592	47.91 1.66 0.00	41.26 1.24 0.00	39.74 1.12 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.38 2.49 0.00	47.43 1.96 0.00	43.05 1.85 0.00	43.93 2.05 0.00	40.92 1.91 0.00	43.91 2.01 0.00	43.85 2.09 0.00	44.97 2.26 0.00	49.77 2.42 0.00	55.31 2.63 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.13 2.50 0.00	55.43 2.13 0.00	50.34 1.94 0.00	45.98 1.77 0.00
KCE_NY_1 323755	47.31 1.06 0.00	40.98 0.96 0.00	39.59 0.97 0.00	40.03 0.98 0.00	40.64 0.91 0.00	45.13 1.14 0.00	62.39 1.88 0.00	75.99 2.42 0.00	59.57 1.68 0.00	46.43 0.96 0.00	41.85 0.66 0.00	42.54 0.67 0.00	39.79 0.78 0.00	42.78 0.88 0.00	42.60 0.83 0.00	43.77 1.07 0.00	48.68 1.32 0.00	54.25 1.58 0.00	61.06 2.01 0.00	67.34 2.34 0.00	57.57 1.95 0.00	54.90 1.60 0.00	49.96 1.55 0.00	45.49 1.28 0.00
KCE_NY_6_ESR 323823	43.24 -3.01 0.00	36.62 -3.40 0.00	35.46 -3.17 0.00	35.54 -3.51 0.00	35.95 -3.78 0.00	39.28 -4.71 0.00	40.92 -6.96 12.64	44.98 -9.27 19.31	42.34 -6.14 9.42	29.98 -4.73 10.76	26.78 -4.24 10.17	27.13 -4.48 10.27	25.03 -4.41 9.57	24.04 -4.86 13.01	23.99 -4.89 12.89	19.26 -5.13 18.32	20.12 -5.73 21.51	23.89 -6.38 22.41	28.96 -6.97 23.12	29.57 -7.61 27.83	29.40 -6.51 19.72	24.85 -6.29 22.16	23.26 -5.91 19.24	27.53 -5.57 11.10
KEDC_PORT_JEFF_GT2 24210	49.02 2.77 0.00	42.18 2.16 0.00	40.51 1.89 0.00	40.85 1.80 0.00	41.67 1.95 0.00	46.50 2.51 0.00	63.30 2.79 0.00	77.02 3.46 0.00	60.43 2.54 0.00	48.15 2.68 0.00	44.12 2.93 0.00	44.85 2.97 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.17 3.46 -0.01	51.06 3.70 -0.01	56.58 3.90 -0.01	63.37 4.31 -0.01	72.04 4.88 -2.16	59.69 4.06 -0.01	56.93 3.63 -0.01	51.31 2.90 0.00	47.13 2.92 0.00
KEDC_PORT_JEFF_GT3 24211	49.02 2.77 0.00	42.18 2.16 0.00	40.51 1.89 0.00	40.85 1.80 0.00	41.67 1.95 0.00	46.50 2.51 0.00	63.30 2.79 0.00	77.02 3.46 0.00	60.43 2.54 0.00	48.15 2.68 0.00	44.12 2.93 0.00	44.85 2.97 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.17 3.46 -0.01	51.06 3.70 -0.01	56.58 3.90 -0.01	63.37 4.31 -0.01	72.04 4.88 -2.16	59.69 4.06 -0.01	56.93 3.63 -0.01	51.31 2.90 0.00	47.13 2.92 0.00
KEDC_GLWD_GT4 24219	48.37 2.13 0.00	41.62 1.60 0.00	40.01 1.39 0.00	40.46 1.40 0.00	41.16 1.43 0.00	45.84 1.85 0.00	62.81 2.30 0.00	76.80 3.23 0.00	60.32 2.43 0.00	47.70 2.23 0.00	43.54 2.35 0.00	44.35 2.47 0.00	41.27 2.26 0.00	44.50 2.60 0.00	44.45 2.68 -0.01	45.54 2.82 -0.01	50.36 2.99 -0.01	55.85 3.16 -0.01	62.43 3.36 -0.01	72.13 3.70 -3.42	58.70 3.06 -0.01	56.03 2.72 -0.01	50.78 2.37 0.00	46.46 2.25 0.00
KEDC_GLWD_GTS 24220	48.37 2.13 0.00	41.62 1.60 0.00	40.01 1.39 0.00	40.46 1.40 0.00	41.16 1.43 0.00	45.84 1.85 0.00	62.81 2.30 0.00	76.80 3.23 0.00	60.32 2.43 0.00	47.70 2.23 0.00	43.54 2.35 0.00	44.35 2.47 0.00	41.27 2.26 0.00	44.50 2.60 0.00	44.45 2.68 -0.01	45.54 2.82 -0.01	50.36 2.99 -0.01	55.85 3.16 -0.01	62.43 3.36 -0.01	72.13 3.70 -3.42	58.70 3.06 -0.01	56.03 2.72 -0.01	50.78 2.37 0.00	46.46 2.25 0.00
KENSICO____ 23655	47.77 1.53 0.00	41.10 1.08 0.00	39.55 0.93 0.00	40.07 1.02 0.00	40.68 0.95 0.00	45.31 1.32 0.00	62.39 1.88 0.00	76.07 2.50 0.00	59.97 2.08 0.00	47.20 1.73 0.00	42.97 1.77 0.00	43.84 1.97 0.00	40.84 1.83 0.00	43.87 1.97 0.00	43.81 2.05 0.00	44.88 2.18 0.00	49.63 2.27 0.00	55.15 2.48 0.00	61.65 2.60 0.00	67.93 2.93 0.00	57.96 2.34 0.00	55.27 1.97 0.00	50.20 1.79 0.00	45.84 1.64 0.00

KERHONKS_69_KV_TR1_REV_LBMP_G 345021	47.86 1.62 0.00	41.22 1.20 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.44 1.45 0.00	62.81 2.30 0.00	76.14 2.57 0.00	59.97 2.08 0.00	46.97 1.50 0.00	42.60 1.40 0.00	43.42 1.55 0.00	40.45 1.44 0.00	43.45 1.55 0.00	43.35 1.59 0.00	44.46 1.75 0.00	49.25 1.89 0.00	54.94 2.27 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.91 2.28 0.00	55.22 1.92 0.00	50.25 1.84 0.00	45.93 1.72 0.00
KIAC_JFK_GT1 23816	47.54 1.29 0.00	41.18 1.16 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.80 1.07 0.00	45.53 1.54 0.00	62.39 1.88 0.00	76.21 2.65 0.00	60.15 2.26 0.00	47.34 1.86 0.00	43.59 2.39 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.46 2.56 0.00	44.39 2.63 0.00	45.48 2.78 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.94 2.89 0.00	68.26 3.25 0.00	58.29 2.67 0.00	55.48 2.19 0.00	50.25 1.84 0.00	46.11 1.90 0.00
KIAC_JFK_GT2 23817	47.54 1.29 0.00	41.18 1.16 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.80 1.07 0.00	45.53 1.54 0.00	62.39 1.88 0.00	76.21 2.65 0.00	60.15 2.26 0.00	47.34 1.86 0.00	43.59 2.39 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.46 2.56 0.00	44.39 2.63 0.00	45.48 2.78 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.94 2.89 0.00	68.26 3.25 0.00	58.29 2.67 0.00	55.48 2.19 0.00	50.25 1.84 0.00	46.11 1.90 0.00
KIAC_JFK____ 323774	47.54 1.29 0.00	41.18 1.16 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.80 1.07 0.00	45.53 1.54 0.00	62.39 1.88 0.00	76.58 3.02 0.00	60.15 2.26 0.00	47.29 1.82 0.00	43.59 2.39 0.00	44.43 2.55 0.00	41.35 2.34 0.00	44.46 2.56 0.00	44.40 2.63 0.00	45.48 2.77 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.94 2.89 0.00	68.26 3.25 0.00	58.29 2.67 0.00	55.48 2.19 0.00	50.25 1.84 0.00	46.11 1.90 0.00
KINTIGH_24_KV_GSU 356498	42.45 -3.79 0.00	36.02 -4.00 0.00	34.84 -3.78 0.00	34.95 -4.10 0.00	35.44 -4.29 0.00	38.84 -5.15 0.00	42.14 -7.63 10.75	46.69 -10.45 16.43	44.96 -7.18 5.75	33.71 -5.46 6.30	30.46 -4.78 5.96	30.88 -4.98 6.01	28.57 -4.84 5.60	27.68 -5.28 8.94	27.67 -5.26 8.83	23.07 -5.47 14.17	23.39 -6.06 17.90	28.77 -6.79 17.11	33.49 -7.38 18.17	34.55 -8.13 22.33	33.63 -6.95 15.04	28.62 -6.61 18.07	28.37 -6.20 13.84	30.89 -5.75 7.57
KINTIGH____ 23543	42.45 -3.79 0.00	36.02 -4.00 0.00	34.76 -3.86 0.00	34.95 -4.10 0.00	35.44 -4.29 0.00	38.84 -5.15 0.00	42.75 -7.02 10.75	48.75 -8.39 16.43	44.84 -7.29 5.75	33.71 -5.46 6.30	30.46 -4.78 5.96	30.84 -5.03 6.01	28.57 -4.84 5.60	27.69 -5.28 8.94	27.67 -5.26 8.83	23.07 -5.47 14.17	23.39 -6.06 17.90	28.77 -6.80 17.11	33.50 -7.38 18.17	34.55 -8.13 22.33	33.63 -6.95 15.04	28.62 -6.61 18.07	28.38 -6.20 13.83	30.89 -5.75 7.57
KNTFSRNC_46_KV_46KV_LOAD 80397	46.98 0.74 0.00	41.20 1.12 -0.05	39.84 1.12 -0.10	40.19 1.13 0.00	41.10 1.27 -0.10	45.40 1.41 0.00	62.65 1.94 -0.20	76.46 2.43 -0.46	59.63 1.74 0.00	46.93 1.46 0.00	42.47 1.28 0.00	42.96 1.09 0.00	40.06 1.05 0.00	42.95 1.05 0.00	42.81 1.04 0.00	43.09 0.38 0.00	47.64 0.28 0.00	52.68 0.00 0.00	59.23 0.18 0.00	64.62 -0.39 0.00	55.46 -0.17 0.00	53.67 0.37 0.00	48.84 0.44 0.00	44.65 0.44 0.00
LACHUTE__HYDRO 323717	48.09 1.85 0.00	41.54 1.52 0.00	40.24 1.62 0.00	40.65 1.60 0.00	41.36 1.63 0.00	45.97 1.98 0.00	63.84 3.33 0.00	77.76 4.19 0.00	60.43 2.54 0.00	46.61 1.14 0.00	41.82 0.62 0.00	42.42 0.54 0.00	39.79 0.78 0.00	42.78 0.88 0.00	42.47 0.71 0.00	43.81 1.11 0.00	48.87 1.52 0.00	54.73 2.05 0.00	62.00 2.95 0.00	68.58 3.57 0.00	58.52 2.89 0.00	55.59 2.29 0.00	50.68 2.28 0.00	45.98 1.77 0.00
LAWRNCV_115KV_TB1 80681	46.71 0.46 0.00	43.56 0.88 -2.66	44.63 0.89 -5.12	40.03 0.90 -0.08	45.82 1.03 -5.06	44.78 0.79 0.00	70.97 0.48 -9.97	97.74 0.66 -23.52	57.95 0.06 0.00	45.74 0.27 0.00	41.36 0.16 0.00	41.92 0.04 0.00	39.09 0.08 0.00	41.94 0.04 0.00	41.85 0.08 0.00	42.24 -0.47 0.00	46.74 -0.62 0.00	51.73 -0.95 0.00	57.99 -1.06 0.00	63.51 -1.50 0.00	54.46 -1.17 0.00	52.98 -0.32 0.00	48.45 0.05 0.00	44.56 0.35 0.00
LEDERLE____ 23769	47.72 1.48 0.00	41.06 1.04 0.00	39.55 0.93 0.00	40.03 0.98 0.00	40.68 0.95 0.00	45.27 1.28 0.00	62.45 1.94 0.00	75.99 2.43 0.00	59.97 2.08 0.00	47.15 1.68 0.00	42.84 1.65 0.00	43.72 1.84 0.00	40.72 1.72 0.00	43.75 1.84 0.00	43.64 1.88 0.00	44.76 2.05 0.00	49.49 2.13 0.00	55.05 2.37 0.00	61.59 2.54 0.00	67.87 2.86 0.00	57.91 2.28 0.00	55.22 1.92 0.00	50.15 1.74 0.00	45.80 1.59 0.00
LIGHTHSE_115KV_TB6 355974	46.24 0.00 0.00	40.44 0.00 -0.42	39.50 0.08 -0.80	39.22 0.16 -0.01	40.84 0.32 -0.79	44.52 0.53 0.00	62.68 0.61 -1.56	78.35 1.10 -3.68	58.12 0.23 0.00	45.24 -0.23 0.00	40.91 -0.29 0.00	41.41 -0.46 0.00	38.58 -0.43 0.00	41.44 -0.46 0.00	41.26 -0.50 0.00	42.15 -0.56 0.00	46.84 -0.52 0.00	52.36 -0.32 0.00	58.87 -0.18 0.00	65.20 0.20 0.00	55.79 0.17 0.00	53.72 0.43 0.00	48.70 0.29 0.00	44.39 0.18 0.00
LINDEN COGEN____ 23786	24.08 1.52 23.69	41.01 1.00 0.01	39.46 0.85 0.01	40.02 0.98 0.01	40.67 0.95 0.01	45.26 1.28 0.01	51.50 1.69 10.71	59.17 2.72 17.12	51.50 2.03 8.41	47.23 1.77 0.01	43.08 1.90 0.01	43.92 2.05 0.01	40.87 1.87 0.01	43.99 2.09 0.01	43.92 2.17 0.01	44.96 2.26 0.01	49.72 2.37 0.01	52.23 2.48 2.92	54.87 2.54 6.72	54.81 2.79 13.00	54.25 2.23 3.60	51.51 1.86 3.65	50.14 1.74 0.01	45.84 1.64 0.01
LINDHRST_69_KV_BK1 356055	49.02 2.77 0.00	42.18 2.16 0.00	40.51 1.89 0.00	40.85 1.80 0.00	41.64 1.91 0.00	46.45 2.46 0.00	63.30 2.78 0.00	76.88 3.31 0.00	60.73 2.84 0.00	48.15 2.68 0.00	44.04 2.84 0.00	44.97 3.10 0.00	41.82 2.81 0.00	44.96 3.06 0.00	44.99 3.22 -0.01	46.13 3.42 -0.01	50.97 3.60 -0.01	56.53 3.85 -0.01	63.25 4.19 -0.01	72.13 4.75 -2.37	59.58 3.95 -0.01	56.83 3.52 -0.01	51.31 2.90 0.00	47.08 2.87 0.00
LIPA_MISC_IPP 23656	48.93 2.68 0.00	42.10 2.08 0.00	40.44 1.82 0.00	40.77 1.72 0.00	41.60 1.87 0.00	46.45 2.46 0.00	63.24 2.72 0.00	76.21 2.65 0.00	60.44 2.55 0.00	48.06 2.59 0.00	44.04 2.84 0.00	44.89 3.02 0.00	41.70 2.69 0.00	44.88 2.98 0.00	44.90 3.13 -0.01	46.09 3.37 -0.01	50.97 3.60 -0.01	56.48 3.79 -0.01	63.31 4.25 -0.01	71.84 4.68 -2.15	59.58 3.95 -0.01	56.93 3.62 -0.01	51.26 2.86 0.00	47.04 2.83 0.00
LISF__SOLAR 323691	49.02 2.77 0.00	42.18 2.16 0.00	40.48 1.85 0.00	40.81 1.76 0.00	41.67 1.95 0.00	46.54 2.55 0.00	63.30 2.79 0.00	76.73 3.16 0.00	60.32 2.43 0.00	48.11 2.64 0.00	44.08 2.88 0.00	44.76 2.89 0.00	41.58 2.57 0.00	44.92 3.02 0.00	44.94 3.17 -0.01	46.13 3.42 -0.01	51.06 3.70 -0.01	56.58 3.90 -0.01	63.43 4.37 -0.01	72.04 4.88 -2.15	59.75 4.12 -0.01	57.04 3.73 -0.01	51.36 2.95 0.00	47.13 2.92 0.00

LITTLE FALLS___HYD 24013	45.55 -0.69 0.00	39.53 -0.56 -0.07	38.33 -0.42 -0.13	38.74 -0.31 0.00	39.66 -0.20 -0.13	43.95 -0.04 0.00	60.77 0.00 -0.25	74.31 0.15 -0.60	57.83 -0.06 0.00	45.33 -0.14 0.00	41.03 -0.16 0.00	41.58 -0.29 0.00	38.66 -0.35 0.00	41.44 -0.46 0.00	41.18 -0.58 0.00	42.15 -0.56 0.00	46.74 -0.62 0.00	51.94 -0.74 0.00	58.22 -0.83 0.00	64.10 -0.91 0.00	54.90 -0.72 0.00	52.55 -0.75 0.00	47.73 -0.68 0.00	43.55 -0.66 0.00
LITTLRIV_115KV_TB1 356100	47.26 1.02 0.00	43.92 1.36 -2.54	44.87 1.35 -4.90	40.53 1.41 -0.07	46.12 1.55 -4.84	45.40 1.41 0.00	71.25 1.21 -9.53	97.67 1.62 -22.48	58.41 0.52 0.00	46.02 0.55 0.00	41.57 0.37 0.00	42.08 0.21 0.00	39.28 0.27 0.00	42.11 0.21 0.00	42.05 0.29 0.00	42.49 -0.21 0.00	47.07 -0.28 0.00	52.20 -0.47 0.00	58.64 -0.41 0.00	64.36 -0.65 0.00	55.18 -0.44 0.00	53.67 0.37 0.00	49.08 0.68 0.00	45.14 0.93 0.00
LI_NEWBRDGE___DRP 323616	48.23 1.99 0.00	41.54 1.52 0.00	39.94 1.31 0.00	40.30 1.25 0.00	41.04 1.31 0.00	45.75 1.76 0.00	62.39 1.88 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.52 2.05 0.00	43.42 2.22 0.00	44.35 2.47 0.00	41.27 2.26 0.00	44.37 2.47 0.00	44.32 2.55 -0.01	45.40 2.69 -0.01	50.11 2.75 -0.01	55.58 2.90 -0.01	62.07 3.01 -0.01	70.47 3.45 -2.02	58.47 2.84 -0.01	55.86 2.56 -0.01	50.58 2.18 0.00	46.37 2.17 0.00
LOCKPORT_115KV_TB60_63_64 80432	42.27 -3.98 0.00	35.74 -4.28 0.00	34.49 -4.13 0.00	34.68 -4.37 0.00	35.12 -4.61 0.00	38.36 -5.63 0.00	44.06 -7.69 8.77	50.96 -9.20 13.40	43.46 -7.70 6.73	32.20 -5.59 7.68	29.08 -4.86 7.26	29.40 -5.15 7.33	27.19 -4.99 6.83	24.98 -5.49 11.43	25.01 -5.47 11.28	19.30 -5.72 17.68	17.31 -6.30 23.74	24.62 -7.06 21.00	28.04 -7.68 23.33	27.87 -8.39 28.75	29.26 -7.18 19.19	22.64 -6.82 23.84	25.88 -6.39 16.14	28.63 -5.97 9.61
LOCKPORT___CC1 323769	42.27 -3.98 0.00	35.78 -4.24 0.00	34.60 -4.02 0.00	34.68 -4.37 0.00	35.12 -4.61 0.00	38.36 -5.63 0.00	43.22 -7.87 9.43	47.83 -11.33 14.41	43.40 -7.30 7.19	31.61 -5.64 8.22	28.49 -4.94 7.76	28.84 -5.19 7.84	26.63 -5.07 7.31	24.57 -5.57 11.76	24.60 -5.55 11.61	19.04 -5.81 17.86	17.34 -6.39 23.63	24.24 -7.16 21.27	27.76 -7.80 23.49	27.68 -8.51 28.81	28.89 -7.28 19.45	22.50 -6.98 23.82	25.33 -6.49 16.60	28.15 -6.05 10.01
LOCKPORT___CC2 323770	42.27 -3.98 0.00	35.78 -4.24 0.00	34.60 -4.02 0.00	34.68 -4.37 0.00	35.12 -4.61 0.00	38.36 -5.63 0.00	43.22 -7.87 9.43	47.83 -11.33 14.41	43.40 -7.30 7.19	31.61 -5.64 8.22	28.49 -4.94 7.76	28.84 -5.19 7.84	26.63 -5.07 7.31	24.57 -5.57 11.76	24.60 -5.55 11.61	19.04 -5.81 17.86	17.34 -6.39 23.63	24.24 -7.16 21.27	27.76 -7.80 23.49	27.68 -8.51 28.81	28.89 -7.28 19.45	22.50 -6.98 23.82	25.33 -6.49 16.60	28.15 -6.05 10.01
LOCKPORT___CC3 323771	42.27 -3.98 0.00	35.78 -4.24 0.00	34.60 -4.02 0.00	34.68 -4.37 0.00	35.12 -4.61 0.00	38.36 -5.63 0.00	43.22 -7.87 9.43	47.83 -11.33 14.41	43.40 -7.30 7.19	31.61 -5.64 8.22	28.49 -4.94 7.76	28.84 -5.19 7.84	26.63 -5.07 7.31	24.57 -5.57 11.76	24.60 -5.55 11.61	19.04 -5.81 17.86	17.34 -6.39 23.63	24.24 -7.16 21.27	27.76 -7.80 23.49	27.68 -8.51 28.81	28.89 -7.28 19.45	22.50 -6.98 23.82	25.33 -6.49 16.60	28.15 -6.05 10.01
LOCUSVLY_69_KV_BK2 55797	48.60 2.36 0.00	41.82 1.80 0.00	40.21 1.58 0.00	40.62 1.56 0.00	41.36 1.63 0.00	46.06 2.07 0.00	63.00 2.48 0.00	76.65 3.09 0.00	60.55 2.66 0.00	47.93 2.46 0.00	43.79 2.60 0.00	44.72 2.85 0.00	41.58 2.57 0.00	44.71 2.81 0.00	44.74 2.97 -0.01	45.79 3.07 -0.01	50.59 3.22 -0.01	56.16 3.48 -0.01	62.72 3.66 -0.01	72.19 4.10 -3.08	59.03 3.39 -0.01	56.35 3.04 -0.01	50.97 2.57 0.00	46.68 2.48 0.00
LONG_LAKE_PHOENIX 24014	45.41 -0.83 0.00	39.31 -0.84 -0.13	38.05 -0.81 -0.24	38.24 -0.82 0.00	39.17 -0.79 -0.24	43.15 -0.84 0.00	60.02 -0.97 -0.47	73.43 -1.25 -1.11	56.85 -1.04 0.00	44.52 -0.95 0.00	40.37 -0.82 0.00	41.04 -0.84 0.00	38.15 -0.86 0.00	41.02 -0.88 0.00	40.84 -0.92 0.00	41.81 -0.90 0.00	46.41 -0.95 0.00	51.67 -1.00 0.00	58.04 -1.00 0.00	63.97 -1.04 0.00	54.73 -0.89 0.00	52.45 -0.85 0.00	47.54 -0.87 0.00	43.32 -0.88 0.00
LOVETT___3 23632	47.54 1.29 0.00	40.90 0.88 0.00	39.39 0.77 0.00	39.87 0.82 0.00	40.52 0.79 0.00	45.09 1.10 0.00	62.15 1.63 0.00	75.70 2.13 0.00	59.68 1.79 0.00	46.97 1.50 0.00	42.72 1.52 0.00	43.59 1.72 0.00	40.61 1.60 0.00	43.62 1.72 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.35 1.99 0.00	54.83 2.16 0.00	61.35 2.30 0.00	67.61 2.60 0.00	57.68 2.06 0.00	55.00 1.71 0.00	49.96 1.55 0.00	45.62 1.41 0.00
LOVETT___4 23642	47.54 1.29 0.00	40.90 0.88 0.00	39.39 0.77 0.00	39.87 0.82 0.00	40.52 0.79 0.00	45.09 1.10 0.00	62.15 1.63 0.00	75.70 2.13 0.00	59.68 1.79 0.00	46.97 1.50 0.00	42.72 1.52 0.00	43.59 1.72 0.00	40.61 1.60 0.00	43.62 1.72 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.35 1.99 0.00	54.83 2.16 0.00	61.35 2.30 0.00	67.61 2.60 0.00	57.68 2.06 0.00	55.00 1.71 0.00	49.96 1.55 0.00	45.62 1.41 0.00
LOVETT___5 23593	47.54 1.29 0.00	40.90 0.88 0.00	39.39 0.77 0.00	39.87 0.82 0.00	40.52 0.79 0.00	45.09 1.10 0.00	62.15 1.63 0.00	75.70 2.13 0.00	59.68 1.79 0.00	46.97 1.50 0.00	42.72 1.52 0.00	43.59 1.72 0.00	40.61 1.60 0.00	43.62 1.72 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.35 1.99 0.00	54.83 2.16 0.00	61.35 2.30 0.00	67.61 2.60 0.00	57.68 2.06 0.00	55.00 1.71 0.00	49.96 1.55 0.00	45.62 1.41 0.00
LOWER RAQUET___HYD 24057	46.61 0.37 0.00	43.25 0.80 -2.43	44.12 0.81 -4.69	39.98 0.86 -0.07	45.35 0.99 -4.63	44.74 0.75 0.00	70.11 0.48 -9.12	95.66 0.59 -21.51	57.72 -0.17 0.00	45.61 0.14 0.00	41.24 0.04 0.00	41.83 -0.04 0.00	38.97 -0.04 0.00	41.73 -0.17 0.00	41.68 -0.08 0.00	42.07 -0.64 0.00	46.51 -0.85 0.00	51.52 -1.16 0.00	57.75 -1.30 0.00	63.26 -1.75 0.00	54.24 -1.39 0.00	52.82 -0.48 0.00	48.36 -0.05 0.00	44.52 0.31 0.00
LOWER___HUDSON 24059	46.71 0.46 0.00	40.50 0.48 0.00	39.09 0.47 0.00	39.56 0.51 0.00	40.17 0.44 0.00	44.56 0.57 0.00	61.54 1.03 0.00	74.96 1.39 0.00	58.99 1.10 0.00	46.11 0.64 0.00	41.52 0.33 0.00	42.29 0.42 0.00	39.48 0.47 0.00	42.44 0.54 0.00	42.27 0.50 0.00	43.39 0.68 0.00	48.30 0.95 0.00	53.89 1.21 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.47 1.17 0.00	49.52 1.11 0.00	45.14 0.93 0.00
LOWVILLE_115KV_TB2 356335	46.47 0.23 0.00	41.20 0.44 -0.73	40.69 0.66 -1.42	39.89 0.82 -0.02	42.28 1.15 -1.40	45.35 1.36 0.00	64.78 1.51 -2.75	82.34 2.28 -6.50	58.99 1.10 0.00	45.97 0.50 0.00	41.57 0.37 0.00	42.00 0.13 0.00	39.09 0.08 0.00	41.90 0.00 0.00	41.47 -0.29 0.00	42.02 -0.68 0.00	46.41 -0.95 0.00	51.67 -1.00 0.00	58.04 -1.00 0.00	64.23 -0.78 0.00	55.01 -0.61 0.00	53.40 0.11 0.00	48.79 0.39 0.00	44.61 0.40 0.00

LUTHERFT_115KV_GLOB_FND_222 355753	47.31 1.06 0.00	40.94 0.92 0.00	39.55 0.93 0.00	39.99 0.94 0.00	40.64 0.91 0.00	45.09 1.10 0.00	62.39 1.88 0.00	75.85 2.28 0.00	59.57 1.68 0.00	46.43 0.95 0.00	41.81 0.62 0.00	42.55 0.67 0.00	39.75 0.74 0.00	42.74 0.84 0.00	42.56 0.79 0.00	43.73 1.02 0.00	48.64 1.28 0.00	54.20 1.53 0.00	61.00 1.95 0.00	67.28 2.28 0.00	57.52 1.89 0.00	54.84 1.55 0.00	49.91 1.50 0.00	45.49 1.28 0.00
LUTHERNY_35_KV_BK2 355980	47.31 1.06 0.00	40.98 0.96 0.00	39.59 0.97 0.00	40.03 0.98 0.00	40.64 0.91 0.00	45.13 1.14 0.00	62.39 1.88 0.00	75.85 2.28 0.00	59.57 1.68 0.00	46.43 0.95 0.00	41.86 0.66 0.00	42.55 0.67 0.00	39.75 0.74 0.00	42.78 0.88 0.00	42.60 0.84 0.00	43.77 1.07 0.00	48.68 1.33 0.00	54.26 1.58 0.00	61.06 2.01 0.00	67.35 2.34 0.00	57.57 1.95 0.00	54.90 1.60 0.00	49.96 1.55 0.00	45.49 1.28 0.00
LWR__OSWEGATCHIE_HYD 23850	46.34 0.09 0.00	42.14 0.44 -1.68	42.39 0.54 -3.23	39.73 0.62 -0.05	43.79 0.87 -3.19	44.83 0.84 0.00	67.35 0.54 -6.29	89.43 1.03 -14.83	58.06 0.17 0.00	45.47 0.00 0.00	41.11 -0.08 0.00	41.58 -0.29 0.00	38.77 -0.23 0.00	41.57 -0.34 0.00	41.34 -0.42 0.00	41.85 -0.85 0.00	46.27 -1.09 0.00	51.36 -1.32 0.00	57.69 -1.36 0.00	63.51 -1.50 0.00	54.46 -1.17 0.00	52.98 -0.32 0.00	48.41 0.00 0.00	44.39 0.18 0.00
LYONS_FALL_HYD 23570	46.61 0.37 0.00	40.99 0.48 -0.49	40.18 0.62 -0.94	39.81 0.74 -0.01	41.61 0.95 -0.93	45.13 1.14 0.00	63.62 1.27 -1.84	79.80 1.91 -4.33	58.93 1.04 0.00	45.97 0.50 0.00	41.61 0.41 0.00	42.13 0.25 0.00	39.24 0.24 0.00	42.11 0.21 0.00	41.80 0.04 0.00	42.54 -0.17 0.00	47.08 -0.28 0.00	52.41 -0.26 0.00	58.81 -0.24 0.00	65.01 0.00 0.00	55.62 0.00 0.00	53.72 0.42 0.00	48.99 0.58 0.00	44.74 0.53 0.00
MADISON__COUNTY_LFGE 323628	47.17 0.92 0.00	40.89 0.72 -0.15	39.64 0.73 -0.28	39.84 0.78 0.00	40.88 0.87 -0.28	45.05 1.06 0.00	62.46 1.39 -0.55	76.78 1.91 -1.30	59.11 1.22 0.00	46.15 0.68 0.00	41.81 0.62 0.00	42.38 0.50 0.00	39.52 0.51 0.00	42.49 0.59 0.00	42.35 0.58 0.00	43.35 0.64 0.00	48.12 0.76 0.00	53.68 1.00 0.00	60.17 1.12 0.00	66.50 1.50 0.00	56.85 1.22 0.00	54.47 1.17 0.00	49.42 1.02 0.00	45.09 0.88 0.00
MALONE__115KV_TB1 356076	46.89 0.65 0.00	41.98 1.08 -0.88	41.39 1.08 -1.69	40.17 1.09 -0.03	42.63 1.23 -1.67	45.27 1.28 0.00	65.50 1.69 -3.29	83.46 2.13 -7.76	59.28 1.39 0.00	46.70 1.23 0.00	42.23 1.03 0.00	42.71 0.84 0.00	39.87 0.86 0.00	42.70 0.80 0.00	42.56 0.79 0.00	42.83 0.13 0.00	47.36 0.00 0.00	52.36 -0.32 0.00	58.87 -0.18 0.00	64.29 -0.72 0.00	55.12 -0.50 0.00	53.46 0.16 0.00	48.70 0.29 0.00	44.56 0.35 0.00
MAPLEWOD_115KV_TB3 80458	47.03 0.79 0.00	40.74 0.72 0.00	39.32 0.70 0.00	39.80 0.74 0.00	40.40 0.68 0.00	44.83 0.84 0.00	61.91 1.39 0.00	75.18 1.62 0.00	59.22 1.33 0.00	46.38 0.91 0.00	41.81 0.62 0.00	42.59 0.71 0.00	39.71 0.70 0.00	42.70 0.80 0.00	42.51 0.75 0.00	43.69 0.98 0.00	48.59 1.23 0.00	54.10 1.42 0.00	60.76 1.71 0.00	66.89 1.89 0.00	57.29 1.67 0.00	54.68 1.39 0.00	49.71 1.31 0.00	45.31 1.11 0.00
MAPLE_RIDGE_WT_1 323574	46.20 -0.05 0.00	40.01 0.04 0.05	38.56 0.04 0.10	39.09 0.04 0.00	39.67 0.04 0.10	44.03 0.04 0.00	60.33 0.00 0.19	73.12 0.00 0.44	57.83 -0.06 0.00	45.47 0.00 0.00	41.20 0.00 0.00	41.88 0.00 0.00	39.01 0.00 0.00	41.86 -0.04 0.00	41.72 -0.04 0.00	42.58 -0.13 0.00	47.22 -0.14 0.00	52.47 -0.21 0.00	58.81 -0.24 0.00	64.68 -0.32 0.00	55.35 -0.28 0.00	53.14 -0.16 0.00	48.31 -0.10 0.00	44.12 -0.09 0.00
MAPLE_RIDGE_WT_2 323611	46.20 -0.05 0.00	40.01 0.04 0.05	38.56 0.04 0.10	39.09 0.04 0.00	39.67 0.04 0.10	44.03 0.04 0.00	60.33 0.00 0.19	73.12 0.00 0.44	57.83 -0.06 0.00	45.47 0.00 0.00	41.20 0.00 0.00	41.88 0.00 0.00	39.01 0.00 0.00	41.86 -0.04 0.00	41.72 -0.04 0.00	42.58 -0.13 0.00	47.22 -0.14 0.00	52.47 -0.21 0.00	58.81 -0.24 0.00	64.68 -0.32 0.00	55.35 -0.28 0.00	53.14 -0.16 0.00	48.31 -0.10 0.00	44.12 -0.09 0.00
MARBLE_RIVER_WT_PWR 323696	46.34 0.09 0.00	40.45 0.48 0.05	39.02 0.50 0.10	39.60 0.55 0.00	40.30 0.67 0.10	44.65 0.66 0.00	61.22 0.91 0.20	74.20 1.11 0.47	58.59 0.70 0.00	46.20 0.73 0.00	41.82 0.62 0.00	42.46 0.59 0.00	39.51 0.51 0.00	42.32 0.42 0.00	42.18 0.42 0.00	42.58 -0.13 0.00	47.03 -0.33 0.00	52.05 -0.63 0.00	58.28 -0.77 0.00	63.71 -1.30 0.00	54.63 -1.00 0.00	52.82 -0.48 0.00	48.07 -0.34 0.00	43.99 -0.22 0.00
MARSHVLE_115KV_TB1 80742	48.28 2.03 0.00	41.66 1.64 0.00	40.21 1.58 0.00	40.69 1.64 0.00	41.44 1.71 0.00	46.10 2.11 0.00	63.78 3.27 0.00	77.39 3.83 0.00	59.92 2.03 0.00	46.29 0.82 0.00	41.65 0.45 0.00	42.50 0.63 0.00	39.91 0.90 0.00	42.99 1.09 0.00	42.81 1.04 0.00	43.99 1.28 0.00	49.02 1.66 0.00	54.78 2.11 0.00	61.94 2.89 0.00	68.65 3.64 0.00	58.57 2.95 0.00	55.86 2.56 0.00	50.78 2.37 0.00	46.15 1.95 0.00
MARSH_HILL_WT_PWR 323713	44.12 -2.13 0.00	37.90 -2.12 0.00	36.73 -1.89 0.00	37.14 -1.91 0.00	37.74 -1.99 0.00	41.61 -2.38 0.00	114.71 -3.57 -57.76	156.49 -5.37 -88.29	87.23 -3.88 -33.22	78.71 -3.50 -36.74	72.49 -3.42 -34.71	72.98 -3.94 -35.04	67.11 -4.56 -32.66	68.62 -5.49 -32.20	68.38 -5.55 -32.18	37.41 -4.91 0.38	54.80 -5.26 -12.70	41.78 -5.58 5.31	65.08 -5.90 -11.94	66.98 -6.04 -8.02	65.71 -5.17 -15.26	64.88 -4.96 -16.54	33.57 -4.79 10.04	63.55 -4.51 -23.85
MCINTYRE_115KV_TB2 80467	47.58 1.34 0.00	44.42 1.68 -2.72	45.52 1.66 -5.24	40.81 1.68 -0.08	46.77 1.87 -5.17	45.79 1.80 0.00	72.52 1.82 -10.19	99.89 2.28 -24.05	58.87 0.98 0.00	46.29 0.82 0.00	41.81 0.62 0.00	42.29 0.42 0.00	39.48 0.47 0.00	42.32 0.42 0.00	42.31 0.54 0.00	42.75 0.04 0.00	47.41 0.05 0.00	52.68 0.00 0.00	59.28 0.24 0.00	65.07 0.07 0.00	55.79 0.17 0.00	54.20 0.91 0.00	49.57 1.16 0.00	45.53 1.33 0.00
MECO____69_KV_BK1 80468	48.83 2.59 0.00	42.18 2.16 0.00	40.71 2.09 0.00	41.20 2.15 0.00	41.95 2.22 0.00	46.63 2.64 0.00	64.63 4.12 0.00	78.35 4.78 0.00	60.55 2.66 0.00	46.70 1.23 0.00	41.98 0.78 0.00	42.84 0.96 0.00	40.18 1.17 0.00	43.28 1.38 0.00	43.10 1.34 0.00	44.29 1.58 0.00	49.39 2.04 0.00	55.31 2.63 0.00	62.71 3.66 0.00	69.43 4.42 0.00	59.24 3.62 0.00	56.50 3.20 0.00	51.36 2.95 0.00	46.68 2.48 0.00
MENANDS__115KV_TB5 355628	46.89 0.65 0.00	40.66 0.64 0.00	39.28 0.66 0.00	39.72 0.66 0.00	40.32 0.60 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.11 1.22 0.00	46.34 0.86 0.00	41.77 0.58 0.00	42.55 0.67 0.00	39.63 0.62 0.00	42.66 0.75 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.14 0.00	53.99 1.32 0.00	60.58 1.54 0.00	66.76 1.76 0.00	57.18 1.56 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00

MG INDUSTRY___DRP 24185	47.21 0.97 0.00	40.90 0.88 0.00	39.47 0.85 0.00	39.91 0.86 0.00	40.56 0.83 0.00	44.96 0.97 0.00	61.97 1.45 0.00	75.18 1.62 0.00	59.11 1.22 0.00	46.24 0.77 0.00	41.73 0.54 0.00	42.50 0.63 0.00	39.59 0.59 0.00	42.61 0.71 0.00	42.43 0.67 0.00	43.56 0.85 0.00	48.45 1.09 0.00	53.94 1.26 0.00	60.58 1.54 0.00	66.76 1.76 0.00	57.13 1.50 0.00	54.58 1.28 0.00	49.66 1.26 0.00	45.31 1.11 0.00
MID___OSWEGATCHIE_HYD 23849	46.34 0.09 0.00	42.14 0.44 -1.68	42.39 0.54 -3.23	39.73 0.62 -0.05	43.79 0.87 -3.19	44.83 0.84 0.00	67.35 0.54 -6.29	89.43 1.03 -14.83	58.06 0.17 0.00	45.47 0.00 0.00	41.11 -0.08 0.00	41.58 -0.29 0.00	38.77 -0.23 0.00	41.57 -0.34 0.00	41.34 -0.42 0.00	41.85 -0.85 0.00	46.27 -1.09 0.00	51.36 -1.32 0.00	57.69 -1.36 0.00	63.51 -1.50 0.00	54.46 -1.17 0.00	52.98 -0.32 0.00	48.41 0.00 0.00	44.39 0.18 0.00
MID___RAQUETTE_HYD 23851	46.61 0.37 0.00	43.25 0.80 -2.43	44.12 0.81 -4.69	39.98 0.86 -0.07	45.35 0.99 -4.63	44.74 0.75 0.00	69.93 0.30 -9.12	95.59 0.51 -21.51	57.72 -0.17 0.00	45.61 0.14 0.00	41.24 0.04 0.00	41.75 -0.13 0.00	38.97 -0.04 0.00	41.78 -0.13 0.00	41.68 -0.08 0.00	42.07 -0.64 0.00	46.51 -0.85 0.00	51.52 -1.16 0.00	57.75 -1.30 0.00	63.25 -1.76 0.00	54.23 -1.39 0.00	52.82 -0.48 0.00	48.36 -0.05 0.00	44.52 0.31 0.00
MILLIKEN___1 23584	46.94 0.69 0.00	40.42 0.40 0.00	38.97 0.35 0.00	39.40 0.35 0.00	40.13 0.40 0.00	44.47 0.48 0.00	63.36 0.91 -1.93	77.48 0.96 -2.96	60.40 0.52 -1.99	48.00 0.18 -2.35	43.58 0.16 -2.22	44.20 0.08 -2.24	41.10 0.00 -2.09	43.99 -0.04 -2.13	43.85 -0.04 -2.12	63.17 0.09 -20.38	54.90 0.19 -7.36	82.74 0.47 -29.59	75.56 0.77 -15.75	86.33 0.98 -20.34	69.40 0.89 -12.89	61.76 0.80 -7.67	83.29 0.53 -34.35	47.25 0.35 -2.69
MILLIKEN___2 23585	46.94 0.69 0.00	40.42 0.40 0.00	38.97 0.35 0.00	39.40 0.35 0.00	40.13 0.40 0.00	44.47 0.48 0.00	63.36 0.91 -1.93	77.48 0.96 -2.96	60.40 0.52 -1.99	48.00 0.18 -2.35	43.58 0.16 -2.22	44.20 0.08 -2.24	41.10 0.00 -2.09	43.99 -0.04 -2.13	43.85 -0.04 -2.12	63.17 0.09 -20.38	54.90 0.19 -7.36	82.74 0.47 -29.59	75.56 0.77 -15.75	86.33 0.98 -20.34	69.40 0.89 -12.89	61.76 0.80 -7.67	83.29 0.53 -34.35	47.25 0.35 -2.69
MILLIKEN___DIESEL 23629	46.94 0.69 0.00	40.42 0.40 0.00	38.97 0.35 0.00	39.40 0.35 0.00	40.13 0.40 0.00	44.47 0.48 0.00	63.36 0.91 -1.93	77.48 0.96 -2.96	60.40 0.52 -1.99	48.00 0.18 -2.35	43.58 0.16 -2.22	44.20 0.08 -2.24	41.10 0.00 -2.09	43.99 -0.04 -2.13	43.85 -0.04 -2.12	63.17 0.09 -20.38	54.90 0.19 -7.36	82.74 0.47 -29.59	75.56 0.77 -15.75	86.33 0.98 -20.34	69.40 0.89 -12.89	61.76 0.80 -7.67	83.29 0.53 -34.35	47.25 0.35 -2.69
MILLSEAT___LFGE 323607	43.38 -2.87 0.00	36.74 -3.28 0.00	35.53 -3.09 0.00	35.66 -3.40 0.00	36.23 -3.50 0.00	39.72 -4.27 0.00	47.89 -5.81 6.81	54.47 -8.68 10.42	46.70 -5.56 5.63	34.58 -4.41 6.48	31.32 -3.75 6.12	31.71 -3.98 6.18	29.31 -3.94 5.76	21.28 -4.36 16.26	21.48 -4.34 15.94	11.45 -4.53 26.73	-2.19 -4.93 44.62	28.71 -5.53 18.43	33.29 -5.78 19.98	34.06 -6.30 24.64	33.75 -5.45 16.42	27.97 -5.17 20.16	29.02 -4.89 14.50	31.46 -4.64 8.11
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	47.68 1.43 0.00	41.02 1.00 0.00	39.51 0.89 0.00	39.99 0.94 0.00	40.64 0.91 0.00	45.22 1.23 0.00	62.27 1.75 0.00	75.92 2.35 0.00	59.86 1.97 0.00	47.11 1.64 0.00	42.89 1.69 0.00	43.72 1.84 0.00	40.72 1.72 0.00	43.75 1.84 0.00	43.68 1.92 0.00	44.76 2.05 0.00	49.54 2.18 0.00	55.05 2.37 0.00	61.53 2.48 0.00	67.80 2.80 0.00	57.85 2.22 0.00	55.16 1.87 0.00	50.10 1.69 0.00	45.76 1.55 0.00
MILLWOOD_13_KV_LOAD 356217	47.82 1.57 0.00	41.14 1.12 0.00	39.63 1.00 0.00	40.07 1.02 0.00	40.72 0.99 0.00	45.31 1.32 0.00	62.45 1.94 0.00	76.14 2.57 0.00	60.03 2.14 0.00	47.20 1.73 0.00	42.97 1.77 0.00	43.84 1.97 0.00	40.84 1.83 0.00	43.83 1.93 0.00	43.77 2.00 0.00	44.88 2.18 0.00	49.63 2.27 0.00	55.15 2.48 0.00	61.71 2.66 0.00	67.93 2.93 0.00	58.02 2.39 0.00	55.27 1.97 0.00	50.20 1.79 0.00	45.89 1.68 0.00
MODEL_CITY_ENERGY 24167	41.80 -4.44 0.00	35.34 -4.68 0.00	34.22 -4.40 0.00	34.29 -4.77 0.00	34.72 -5.01 0.00	37.92 -6.07 0.00	42.44 -8.23 9.85	46.30 -12.21 15.05	43.03 -7.64 7.21	31.35 -5.96 8.17	28.28 -5.19 7.72	28.64 -5.44 7.79	26.48 -5.27 7.27	24.91 -5.78 11.21	24.92 -5.76 11.08	19.64 -6.06 17.00	19.01 -6.68 21.67	24.70 -7.53 20.44	28.83 -8.21 22.01	29.14 -8.97 26.90	29.62 -7.68 18.33	24.06 -7.30 21.94	25.18 -6.78 16.45	28.36 -6.28 9.57
MODERN_LFGE___ 323580	41.80 -4.44 0.00	35.34 -4.68 0.00	34.22 -4.40 0.00	34.29 -4.77 0.00	34.72 -5.01 0.00	37.92 -6.07 0.00	42.44 -8.23 9.85	46.30 -12.21 15.05	43.03 -7.64 7.21	31.35 -5.96 8.17	28.28 -5.19 7.72	28.64 -5.44 7.79	26.48 -5.27 7.27	24.91 -5.78 11.21	24.92 -5.76 11.08	19.64 -6.06 17.00	19.01 -6.68 21.67	24.70 -7.53 20.44	28.83 -8.21 22.01	29.14 -8.97 26.90	29.62 -7.68 18.33	24.06 -7.30 21.94	25.18 -6.78 16.45	28.36 -6.28 9.57
MOHAWK_PAPER___DRP 24187	47.03 0.79 0.00	40.74 0.72 0.00	39.32 0.70 0.00	39.80 0.74 0.00	40.40 0.68 0.00	44.83 0.84 0.00	61.91 1.39 0.00	75.18 1.62 0.00	59.22 1.33 0.00	46.38 0.91 0.00	41.81 0.62 0.00	42.59 0.71 0.00	39.71 0.70 0.00	42.70 0.80 0.00	42.51 0.75 0.00	43.69 0.98 0.00	48.59 1.23 0.00	54.10 1.42 0.00	60.76 1.71 0.00	66.89 1.89 0.00	57.29 1.67 0.00	54.68 1.39 0.00	49.71 1.31 0.00	45.31 1.11 0.00
MOHICAN_35_KV_115KV_LD 80490	47.08 0.83 0.00	40.70 0.68 0.00	39.39 0.77 0.00	39.83 0.78 0.00	40.44 0.72 0.00	44.96 0.97 0.00	62.27 1.75 0.00	75.77 2.21 0.00	59.34 1.45 0.00	46.11 0.64 0.00	41.48 0.29 0.00	42.17 0.29 0.00	39.48 0.47 0.00	42.45 0.54 0.00	42.18 0.42 0.00	43.43 0.73 0.00	48.35 0.99 0.00	53.94 1.26 0.00	60.82 1.77 0.00	67.15 2.15 0.00	57.35 1.72 0.00	54.63 1.33 0.00	49.71 1.31 0.00	45.23 1.02 0.00
MONGAUP___HYD 23641	47.86 1.62 0.00	41.22 1.20 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.44 1.45 0.00	62.39 1.88 0.00	75.77 2.20 0.00	59.39 1.50 0.00	46.74 1.27 0.00	42.35 1.15 0.00	43.13 1.26 0.00	40.18 1.17 0.00	43.16 1.26 0.00	43.10 1.34 0.00	44.20 1.49 0.00	49.01 1.66 0.00	54.68 2.00 0.00	61.06 2.01 0.00	67.34 2.34 0.00	57.52 1.89 0.00	55.16 1.86 0.00	50.20 1.79 0.00	45.85 1.64 0.00
MONTAUK___DIESEL 23721	48.83 2.59 0.00	42.06 2.04 0.00	40.40 1.78 0.00	40.69 1.64 0.00	41.60 1.87 0.00	46.63 2.64 0.00	63.84 3.33 0.00	77.32 3.75 0.00	61.54 3.65 0.00	48.93 3.46 0.00	44.86 3.67 0.00	45.64 3.77 0.00	42.21 3.20 0.00	45.21 3.31 0.00	45.15 3.38 -0.01	46.30 3.59 -0.01	51.34 3.98 -0.01	56.74 4.06 -0.01	63.72 4.66 -0.01	72.36 5.20 -2.15	59.92 4.28 -0.01	57.14 3.84 -0.01	51.31 2.90 0.00	46.99 2.79 0.00

MOONROAD_115KV_HARTFLD_TB1-2 355988	43.98 -2.27 0.00	37.30 -2.72 0.00	36.00 -2.63 0.00	36.05 -3.01 0.00	36.43 -3.30 0.00	39.72 -4.27 0.00	42.27 -5.81 12.43	46.84 -7.72 19.00	42.06 -6.89 8.94	29.69 -5.59 10.18	26.30 -5.27 9.62	26.55 -5.61 9.72	24.34 -5.62 9.05	23.37 -6.24 12.29	23.28 -6.31 12.18	18.98 -6.53 17.19	21.11 -7.29 18.95	23.29 -7.95 21.43	29.57 -8.74 20.74	30.18 -9.49 25.34	29.96 -8.23 17.43	25.82 -8.10 19.38	21.82 -7.60 18.99	28.13 -7.16 8.92
MORRIS RIDGE___SOLAR 323848	43.98 -2.26 0.00	37.58 -2.44 0.00	36.31 -2.32 0.00	36.55 -2.50 0.00	37.07 -2.66 0.00	40.69 -3.30 0.00	22.55 -4.84 33.12	16.03 -6.92 50.62	19.24 -4.86 33.79	1.54 -4.05 39.88	-0.24 -3.75 37.69	-0.23 -4.06 38.04	-0.66 -4.21 35.46	-1.09 -4.82 38.17	-1.17 -4.89 38.04	-1.82 -4.83 39.70	-2.17 -5.16 44.37	-0.97 -5.64 48.01	-0.40 -5.96 53.48	-0.30 -6.24 59.07	-0.13 -5.34 50.41	-1.29 -5.17 49.42	-0.60 -4.89 44.12	-0.40 -4.64 39.96
MORTIMER_115KV_TB3 55949	44.76 -1.48 0.00	38.26 -1.76 0.00	36.92 -1.70 0.00	37.22 -1.84 0.00	37.90 -1.83 0.00	41.92 -2.07 0.00	60.38 -2.66 -2.52	74.26 -3.16 -3.86	54.96 -3.13 -0.19	43.07 -2.41 0.00	39.31 -1.90 0.00	39.87 -2.01 0.00	37.02 -1.99 0.00	40.82 -2.22 -1.14	40.66 -2.21 -1.11	38.82 -2.26 1.62	48.04 -2.46 -3.15	46.57 -2.79 3.31	56.83 -2.83 -0.62	62.64 -3.12 -0.76	53.20 -2.73 -0.30	53.66 -2.56 -2.92	40.18 -2.52 5.71	42.36 -2.43 -0.59
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	48.00 1.76 0.00	41.22 1.20 0.00	39.70 1.08 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 2.00 0.00	76.29 2.72 0.00	60.21 2.32 0.00	47.43 1.96 0.00	43.22 2.02 0.00	44.14 2.26 0.00	41.08 2.07 0.00	44.12 2.22 0.00	44.06 2.30 0.00	45.14 2.43 0.00	49.92 2.56 0.00	55.36 2.69 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.18 2.56 0.00	55.43 2.13 0.00	50.39 1.98 0.00	46.02 1.81 0.00
MUNSVILLE_WIND_PWR 323609	48.55 2.31 0.00	41.90 1.88 0.00	40.55 1.93 0.00	41.16 2.11 0.00	42.07 2.34 0.00	46.85 2.86 0.00	64.21 3.69 0.00	78.20 4.64 0.00	62.00 2.95 -1.16	48.59 1.63 -1.48	43.87 1.28 -1.40	44.21 0.92 -1.41	41.26 0.93 -1.32	44.21 0.96 -1.34	44.19 1.08 -1.34	54.44 1.28 -10.45	52.90 1.61 -3.93	70.38 2.58 -15.12	70.32 3.07 -8.21	79.18 3.64 -10.54	65.39 3.00 -6.76	60.09 2.66 -4.12	68.13 2.23 -17.49	47.76 1.94 -1.61
N SALMON___HYD 24042	46.89 0.65 0.00	41.98 1.08 -0.88	41.39 1.08 -1.69	40.17 1.09 -0.03	42.63 1.23 -1.67	45.27 1.28 0.00	65.62 1.81 -3.29	83.53 2.20 -7.76	59.28 1.39 0.00	46.70 1.23 0.00	42.23 1.03 0.00	42.84 0.96 0.00	39.87 0.86 0.00	42.66 0.76 0.00	42.55 0.79 0.00	42.83 0.13 0.00	47.36 0.00 0.00	52.36 -0.31 0.00	58.87 -0.18 0.00	64.29 -0.71 0.00	55.12 -0.50 0.00	53.46 0.16 0.00	48.70 0.29 0.00	44.56 0.35 0.00
N.AKRON___115KV_KNAPP 355671	43.28 -2.96 0.00	36.66 -3.36 0.00	35.38 -3.24 0.00	35.54 -3.51 0.00	36.11 -3.62 0.00	39.59 -4.40 0.00	47.39 -5.87 7.25	55.49 -6.99 11.09	45.82 -6.19 5.88	34.17 -4.55 6.75	30.99 -3.83 6.38	31.33 -4.10 6.44	28.95 -4.06 6.00	22.56 -4.48 14.86	22.76 -4.43 14.58	13.95 -4.61 24.14	3.56 -5.07 38.73	27.42 -5.69 19.56	31.38 -6.02 21.64	31.68 -6.57 26.76	32.29 -5.62 17.72	25.84 -5.33 22.13	28.36 -5.03 15.01	30.77 -4.77 8.66
N.E._GEN_SANDY PD 24062	46.57 0.33 0.00	40.34 0.32 0.00	38.89 0.27 0.00	39.40 0.35 0.00	39.97 0.24 0.00	44.38 0.40 0.00	61.30 0.78 0.00	74.74 1.17 0.00	58.87 0.98 -0.15	46.30 0.68 0.15	41.50 0.45 0.00	42.42 0.54 0.00	39.55 0.55 0.00	42.53 0.63 0.00	42.39 0.63 0.00	43.52 0.81 0.00	48.45 1.09 0.00	53.99 1.32 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.18 1.56 0.00	54.53 1.23 0.00	49.47 1.06 0.00	45.18 0.97 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	47.58 1.34 0.00	40.98 0.96 0.00	39.47 0.85 0.00	39.95 0.90 0.00	40.56 0.83 0.00	45.13 1.14 0.00	62.27 1.75 0.00	75.77 2.21 0.00	59.80 1.91 0.00	47.02 1.55 0.00	42.76 1.57 0.00	43.63 1.76 0.00	40.61 1.60 0.00	43.62 1.72 0.00	43.56 1.80 0.00	44.67 1.96 0.00	49.39 2.04 0.00	54.89 2.21 0.00	61.41 2.36 0.00	67.67 2.67 0.00	57.74 2.11 0.00	55.06 1.76 0.00	50.00 1.60 0.00	45.71 1.50 0.00
N.QUEENS_27_KV_LOAD 356247	48.23 1.99 0.00	41.34 1.32 0.00	39.70 1.08 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.40 1.41 0.00	61.97 1.45 0.00	75.70 2.13 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.26 2.06 0.00	44.14 2.26 0.00	41.11 2.11 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.14 2.43 0.00	49.82 2.46 0.00	55.20 2.53 0.00	61.59 2.54 0.00	67.74 2.73 0.00	57.85 2.22 0.00	55.16 1.87 0.00	50.39 1.98 0.00	46.20 1.99 0.00
N.TROY___115KV_TB1 355778	46.71 0.46 0.00	40.50 0.48 0.00	39.09 0.46 0.00	39.56 0.51 0.00	40.17 0.44 0.00	44.56 0.57 0.00	61.60 1.09 0.00	74.82 1.25 0.00	58.99 1.10 0.00	46.11 0.64 0.00	41.53 0.33 0.00	42.29 0.42 0.00	39.44 0.43 0.00	42.45 0.54 0.00	42.26 0.50 0.00	43.39 0.68 0.00	48.30 0.95 0.00	53.89 1.21 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.47 1.17 0.00	49.52 1.11 0.00	45.14 0.93 0.00
NARROWS_GT1_1 24228	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT1_2 24229	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT1_3 24230	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT1_4 24231	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00

NARROWS_GT1_5 24232	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT1_6 24233	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT1_7 24234	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT1_8 24235	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT2_1 24236	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT2_2 24237	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT2_3 24238	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT2_4 24239	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT2_5 24240	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT2_6 24241	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT2_7 24242	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NARROWS_GT2_8 24243	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	47.95 1.71 0.00	41.50 1.48 0.00	40.05 1.43 0.00	40.54 1.48 0.00	41.20 1.47 0.00	45.66 1.67 0.00	63.24 2.72 0.00	76.29 2.72 0.00	59.80 1.91 0.00	46.52 1.05 0.00	41.81 0.62 0.00	42.59 0.71 0.00	39.67 0.66 0.00	42.70 0.80 0.00	42.56 0.79 0.00	43.73 1.02 0.00	48.68 1.33 0.00	54.47 1.79 0.00	61.41 2.36 0.00	67.74 2.73 0.00	57.91 2.28 0.00	55.27 1.97 0.00	50.39 1.98 0.00	46.02 1.81 0.00
NCHELSEA_115KV_TR2 355582	47.86 1.62 0.00	41.22 1.20 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.75 2.24 0.00	76.21 2.65 0.00	60.09 2.20 0.00	47.11 1.64 0.00	42.72 1.52 0.00	43.59 1.72 0.00	40.61 1.60 0.00	43.62 1.72 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.39 2.04 0.00	55.05 2.37 0.00	61.65 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.27 1.97 0.00	50.25 1.84 0.00	45.93 1.72 0.00
NEG CAPITAL__MECHNVIL 23645	47.35 1.11 0.00	41.02 1.00 0.00	39.62 1.00 0.00	40.07 1.01 0.00	40.68 0.95 0.00	45.18 1.19 0.00	62.45 1.94 0.00	76.14 2.57 0.00	59.69 1.80 0.00	46.56 1.09 0.00	41.94 0.74 0.00	42.67 0.79 0.00	39.87 0.86 0.00	42.87 0.96 0.00	42.68 0.92 0.00	43.86 1.15 0.00	48.83 1.47 0.00	54.41 1.74 0.00	61.23 2.19 0.00	67.48 2.47 0.00	57.74 2.11 0.00	55.05 1.76 0.00	50.05 1.65 0.00	45.58 1.37 0.00

NEG CENTRAL_HIGH_ACRES 23767	44.44 -1.80 0.00	38.06 -1.96 0.00	36.77 -1.85 0.00	37.06 -1.99 0.00	37.74 -1.99 0.00	41.79 -2.20 0.00	59.77 -3.15 -2.41	73.06 -4.19 -3.68	55.00 -3.07 -0.18	43.02 -2.46 0.00	39.22 -1.98 0.00	39.82 -2.05 0.00	36.98 -2.03 0.00	40.24 -2.26 -0.61	40.09 -2.26 -0.59	38.91 -2.31 1.49	46.38 -2.46 -1.48	47.19 -2.79 2.69	56.03 -2.89 0.13	61.62 -3.18 0.20	52.64 -2.78 0.20	52.05 -2.61 -1.36	41.72 -2.57 4.12	42.02 -2.47 -0.28
NEG CENTRAL___DRP 24199	46.01 -0.23 0.00	39.58 -0.44 0.00	38.16 -0.46 0.00	38.55 -0.51 0.00	39.25 -0.48 0.00	43.51 -0.48 0.00	65.13 -0.73 -5.34	80.69 -1.03 -8.16	59.63 -1.04 -2.79	47.55 -0.95 -3.03	43.36 -0.70 -2.87	43.93 -0.84 -2.89	40.81 -0.90 -2.70	43.61 -1.05 -2.75	43.42 -1.09 -2.75	39.49 -0.90 2.32	47.40 -0.95 -0.99	47.79 -0.90 3.99	57.84 -0.94 0.27	62.97 -0.91 1.13	55.23 -0.72 -0.33	53.89 -0.75 -1.34	42.39 -0.73 5.29	45.58 -0.93 -2.30
NEG CENTRAL___INDECK 23768	46.06 -0.18 0.00	39.38 -0.64 0.00	38.04 -0.58 0.00	38.31 -0.74 0.00	39.05 -0.68 0.00	43.20 -0.79 0.00	110.76 -1.15 -51.40	149.70 -2.43 -78.56	84.10 -1.97 -28.17	74.44 -1.95 -30.93	68.61 -1.81 -29.22	69.32 -2.05 -29.50	64.16 -2.34 -27.49	67.26 -2.68 -28.04	67.03 -2.71 -27.99	48.27 -2.48 -8.04	63.89 -2.37 -18.90	56.47 -2.32 -6.11	77.19 -1.89 -20.04	81.83 -1.62 -18.44	75.97 -1.39 -21.73	74.78 -1.22 -22.71	48.55 -1.50 -1.64	68.26 -1.63 -25.69
NEG CENTRAL___SENECA 23627	45.92 -0.32 0.00	39.42 -0.60 0.00	38.00 -0.62 0.00	38.35 -0.70 0.00	39.09 -0.64 0.00	43.33 -0.66 0.00	67.57 -1.15 -8.20	84.49 -1.62 -12.54	60.65 -1.62 -4.39	48.81 -1.46 -4.79	44.70 -1.03 -4.53	45.19 -1.26 -4.57	41.94 -1.33 -4.26	44.74 -1.51 -4.35	44.56 -1.55 -4.34	36.41 -1.32 4.97	47.17 -1.37 -1.18	43.13 -1.32 8.23	56.27 -1.42 1.36	60.49 -1.50 3.03	54.24 -1.17 0.22	53.79 -1.23 -1.72	36.73 -1.06 10.61	46.47 -1.33 -3.58
NEG CENTRAL___STATE_STREET 24147	46.24 0.00 0.00	39.82 -0.20 0.00	38.39 -0.23 0.00	38.82 -0.23 0.00	39.53 -0.20 0.00	43.86 -0.13 0.00	62.78 0.00 -2.27	76.96 -0.07 -3.47	58.86 -0.17 -1.14	46.39 -0.32 -1.24	42.16 -0.21 -1.17	42.76 -0.29 -1.18	39.80 -0.31 -1.10	42.65 -0.38 -1.12	42.46 -0.42 -1.12	44.66 -0.34 -2.30	47.72 -0.33 -0.69	55.80 -0.26 -3.39	60.59 -0.12 -1.66	67.21 0.00 -2.20	57.00 0.06 -1.32	53.99 0.00 -0.70	52.24 -0.15 -3.98	44.00 -0.31 -0.10
NEG MILLWOOD___DRP 24198	48.09 1.85 0.00	41.42 1.40 0.00	39.90 1.27 0.00	40.38 1.33 0.00	41.00 1.27 0.00	45.62 1.63 0.00	63.00 2.48 0.00	76.73 3.16 0.00	60.49 2.61 0.00	47.43 1.96 0.00	43.05 1.85 0.00	43.93 2.05 0.00	40.96 1.95 0.00	43.95 2.05 0.00	43.85 2.09 0.00	45.01 2.31 0.00	49.77 2.42 0.00	55.41 2.74 0.00	62.06 3.01 0.00	68.32 3.32 0.00	58.29 2.67 0.00	55.54 2.24 0.00	50.54 2.13 0.00	46.15 1.95 0.00
NEG NORTH_FLCN_SEA 23793	46.84 0.60 0.00	40.98 0.96 0.00	39.59 0.97 0.00	40.03 0.98 0.00	40.88 1.15 0.00	45.22 1.23 0.00	62.15 1.63 0.00	75.62 2.06 0.00	59.39 1.51 0.00	46.74 1.27 0.00	42.31 1.11 0.00	42.88 1.01 0.00	39.94 0.94 0.00	42.82 0.92 0.00	42.68 0.92 0.00	43.01 0.30 0.00	47.50 0.14 0.00	52.57 -0.11 0.00	58.93 -0.12 0.00	64.42 -0.59 0.00	55.24 -0.39 0.00	53.46 0.16 0.00	48.65 0.24 0.00	44.52 0.31 0.00
NEG NORTH_KES_CHATEGAY 23792	46.47 0.23 0.00	41.01 0.64 -0.35	39.95 0.66 -0.67	39.77 0.70 -0.01	41.23 0.83 -0.66	44.87 0.88 0.00	62.91 1.09 -1.30	78.04 1.40 -3.08	58.82 0.93 0.00	46.34 0.86 0.00	41.90 0.70 0.00	42.42 0.54 0.00	39.55 0.55 0.00	42.40 0.50 0.00	42.22 0.46 0.00	42.58 -0.13 0.00	47.07 -0.28 0.00	52.10 -0.58 0.00	58.40 -0.65 0.00	63.84 -1.17 0.00	54.73 -0.89 0.00	52.93 -0.37 0.00	48.16 -0.24 0.00	44.08 -0.13 0.00
NEG NORTH___ALICE_FALLS 23915	46.98 0.74 0.00	41.20 1.12 -0.05	39.84 1.12 -0.10	40.19 1.13 0.00	41.10 1.27 -0.10	45.40 1.41 0.00	62.65 1.94 -0.20	76.46 2.43 -0.46	59.63 1.74 0.00	46.93 1.46 0.00	42.47 1.28 0.00	42.96 1.09 0.00	40.06 1.05 0.00	42.95 1.05 0.00	42.81 1.04 0.00	43.09 0.38 0.00	47.64 0.28 0.00	52.68 0.00 0.00	59.23 0.18 0.00	64.62 -0.39 0.00	55.46 -0.17 0.00	53.67 0.37 0.00	48.84 0.44 0.00	44.65 0.44 0.00
NEG NORTH___LWR_SARANAC 23913	46.98 0.74 0.00	41.20 1.12 -0.05	39.84 1.12 -0.10	40.19 1.13 0.00	41.10 1.27 -0.10	45.40 1.41 0.00	62.65 1.94 -0.20	76.46 2.43 -0.46	59.63 1.74 0.00	46.93 1.46 0.00	42.47 1.28 0.00	42.96 1.09 0.00	40.06 1.05 0.00	42.95 1.05 0.00	42.81 1.04 0.00	43.09 0.38 0.00	47.64 0.28 0.00	52.68 0.00 0.00	59.23 0.18 0.00	64.62 -0.39 0.00	55.46 -0.17 0.00	53.67 0.37 0.00	48.84 0.44 0.00	44.65 0.44 0.00
NEG NORTH___PLATTSBURG 23628	46.98 0.74 0.00	41.19 1.12 -0.05	39.84 1.12 -0.10	40.19 1.13 0.00	41.10 1.27 -0.10	45.40 1.41 0.00	62.77 2.06 -0.20	76.53 2.50 -0.46	59.62 1.74 0.00	46.93 1.45 0.00	42.48 1.28 0.00	43.09 1.22 0.00	40.06 1.05 0.00	42.91 1.00 0.00	42.81 1.04 0.00	43.09 0.38 0.00	47.64 0.29 0.00	52.68 0.00 0.00	59.23 0.18 0.00	64.62 0.00 0.00	55.46 -0.17 0.00	53.67 0.38 0.00	48.84 0.43 0.00	44.65 0.44 0.00
NEG WEST_LEA_LOCKPORT 23791	42.27 -3.98 0.00	35.78 -4.24 0.00	34.53 -4.09 0.00	34.68 -4.37 0.00	35.12 -4.61 0.00	38.36 -5.63 0.00	43.40 -7.69 9.43	49.96 -9.20 14.41	42.94 -7.76 7.19	31.57 -5.68 8.22	28.49 -4.94 7.76	28.80 -5.23 7.84	26.63 -5.07 7.31	24.57 -5.57 11.76	24.60 -5.55 11.61	19.04 -5.81 17.86	17.34 -6.39 23.62	24.24 -7.16 21.27	27.76 -7.79 23.49	27.68 -8.52 28.82	28.89 -7.29 19.45	22.55 -6.93 23.82	25.32 -6.49 16.60	28.14 -6.06 10.01
NEG WEST___LANCASTER 23811	44.21 -2.03 0.00	37.54 -2.48 0.00	36.27 -2.36 0.00	36.40 -2.66 0.00	36.87 -2.86 0.00	40.38 -3.61 0.00	43.99 -4.66 11.86	49.55 -5.89 18.13	45.57 -3.99 8.33	33.02 -3.00 9.45	29.63 -2.64 8.93	29.97 -2.89 9.01	27.68 -2.93 8.40	27.05 -3.23 11.62	26.99 -3.26 11.52	22.03 -3.46 17.22	24.16 -3.88 19.32	27.04 -4.27 21.36	33.43 -4.61 21.01	34.35 -5.07 25.59	33.58 -4.34 17.70	29.37 -4.16 19.77	25.63 -4.02 18.76	31.02 -3.93 9.25
NEG_PENN_ALLEGHNY 23528	46.29 0.05 0.00	39.86 -0.16 0.00	38.43 -0.19 0.00	38.82 -0.23 0.00	39.45 -0.28 0.00	43.73 -0.26 0.00	57.56 -0.36 2.60	68.93 -0.66 3.97	57.40 -0.29 0.20	45.24 -0.23 0.00	40.99 -0.20 0.00	41.58 -0.29 0.00	38.66 -0.35 0.00	40.97 -0.38 0.55	40.81 -0.42 0.54	39.61 -0.34 2.75	44.39 -0.38 2.59	48.75 -0.31 3.61	55.96 -0.24 2.86	61.12 -0.13 3.76	53.29 -0.17 2.17	50.65 -0.16 2.49	44.76 -0.29 3.36	43.41 -0.36 0.44
NEG___GEN_MONROE 24207	44.76 -1.48 0.00	38.26 -1.76 0.00	36.92 -1.70 0.00	37.18 -1.87 0.00	37.90 -1.83 0.00	41.88 -2.11 0.00	59.86 -2.66 -2.01	73.25 -3.38 -3.07	54.69 -3.36 -0.15	42.89 -2.59 -0.01	39.06 -2.14 -0.01	39.58 -2.30 -0.01	36.67 -2.34 -0.01	31.30 -2.68 7.92	31.37 -2.71 7.68	22.71 -2.82 17.17	13.97 -3.08 30.31	45.27 -3.48 3.93	55.28 -3.54 0.23	60.82 -3.84 0.35	52.02 -3.28 0.32	52.18 -3.04 -1.92	39.41 -3.00 5.99	41.69 -2.92 -0.40

NEPA__ENERGY 23901	43.65 -2.59 0.00	37.06 -2.96 0.00	35.80 -2.82 0.00	35.93 -3.12 0.00	36.39 -3.34 0.00	39.90 -4.09 0.00	42.64 -5.45 12.43	47.58 -6.99 19.00	43.43 -5.62 8.84	31.09 -4.32 10.06	27.78 -3.91 9.51	28.05 -4.23 9.60	25.93 -4.13 8.94	25.17 -4.61 12.13	25.15 -4.59 12.02	20.07 -4.78 17.85	21.84 -5.45 20.08	24.63 -5.95 22.10	30.58 -6.50 21.98	31.43 -7.02 26.56	30.87 -6.06 18.69	26.76 -5.86 20.68	23.40 -5.57 19.44	28.82 -5.17 10.22
NEVERSINK__HYD 23608	48.04 1.80 0.00	41.46 1.44 0.00	39.94 1.31 0.00	40.50 1.45 0.00	41.12 1.39 0.00	45.70 1.71 0.00	63.06 2.54 0.00	76.51 2.95 0.00	60.03 2.14 0.00	46.97 1.50 0.00	42.55 1.36 0.00	43.34 1.46 0.00	40.26 1.25 0.00	43.20 1.30 0.00	43.10 1.34 0.00	44.20 1.49 0.00	48.97 1.61 0.00	54.68 2.00 0.00	61.23 2.19 0.00	67.54 2.53 0.00	57.62 2.00 0.00	54.95 1.65 0.00	50.00 1.60 0.00	45.71 1.50 0.00
NEWKRMKL_115KV_TB1 55635	47.12 0.88 0.00	40.82 0.80 0.00	39.39 0.77 0.00	39.87 0.82 0.00	40.48 0.75 0.00	44.91 0.92 0.00	61.97 1.45 0.00	75.26 1.69 0.00	59.34 1.45 0.00	46.47 1.00 0.00	41.94 0.74 0.00	42.67 0.80 0.00	39.79 0.78 0.00	42.82 0.92 0.00	42.64 0.88 0.00	43.77 1.07 0.00	48.64 1.28 0.00	54.15 1.47 0.00	60.82 1.77 0.00	66.96 1.95 0.00	57.35 1.72 0.00	54.68 1.39 0.00	49.71 1.31 0.00	45.36 1.15 0.00
NEWTON__FALLS_HYD 23847	46.34 0.09 0.00	42.14 0.44 -1.68	42.39 0.54 -3.23	39.73 0.62 -0.05	43.79 0.87 -3.19	44.83 0.84 0.00	67.35 0.54 -6.29	89.43 1.03 -14.83	58.06 0.17 0.00	45.47 0.00 0.00	41.11 -0.08 0.00	41.58 -0.29 0.00	38.77 -0.23 0.00	41.57 -0.34 0.00	41.34 -0.42 0.00	41.85 -0.85 0.00	46.27 -1.09 0.00	51.36 -1.32 0.00	57.69 -1.36 0.00	63.51 -1.50 0.00	54.46 -1.17 0.00	52.98 -0.32 0.00	48.41 0.00 0.00	44.39 0.18 0.00
NGRID_A1_DSASP 323792	41.76 -4.49 0.00	35.46 -4.56 0.00	34.22 -4.40 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.56 -8.71 11.24	46.01 -10.37 17.18	42.06 -8.16 7.66	30.65 -6.14 8.68	27.63 -5.36 8.21	27.94 -5.65 8.28	25.83 -5.46 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.29 -6.87 21.21	24.35 -7.69 20.63	28.70 -8.44 21.91	29.04 -9.30 26.67	29.35 -7.90 18.38	24.20 -7.52 21.59	24.43 -7.02 16.96	27.85 -6.54 9.81
NGRID_A2_DSASP 323793	41.76 -4.49 0.00	35.46 -4.56 0.00	34.22 -4.40 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.56 -8.71 11.24	46.01 -10.37 17.18	42.06 -8.16 7.66	30.65 -6.14 8.68	27.63 -5.36 8.21	27.94 -5.65 8.28	25.83 -5.46 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.29 -6.87 21.21	24.35 -7.69 20.63	28.70 -8.44 21.91	29.04 -9.30 26.67	29.35 -7.90 18.38	24.20 -7.52 21.59	24.43 -7.02 16.96	27.85 -6.54 9.81
NGRID_A4_DSASP 323807	41.76 -4.49 0.00	35.46 -4.56 0.00	34.22 -4.40 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.56 -8.71 11.24	46.01 -10.37 17.18	42.06 -8.16 7.66	30.65 -6.14 8.68	27.63 -5.36 8.21	27.94 -5.65 8.28	25.83 -5.46 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.29 -6.87 21.21	24.35 -7.69 20.63	28.70 -8.44 21.91	29.04 -9.30 26.67	29.35 -7.90 18.38	24.20 -7.52 21.59	24.43 -7.02 16.96	27.85 -6.54 9.81
NIAGARA_115E_LBMP 323715	41.53 -4.72 0.00	35.10 -4.92 0.00	33.99 -4.64 0.00	34.05 -5.00 0.00	34.48 -5.24 0.00	37.61 -6.38 0.00	41.61 -8.53 10.37	44.91 -12.80 15.85	42.57 -7.87 7.45	30.92 -6.14 8.41	27.85 -5.40 7.95	28.20 -5.65 8.02	26.07 -5.46 7.48	24.81 -5.99 11.10	24.85 -5.93 10.98	19.77 -6.28 16.66	19.79 -6.92 20.65	24.72 -7.80 20.16	29.19 -8.50 21.36	29.65 -9.36 25.99	29.75 -7.96 17.91	24.71 -7.57 21.02	24.83 -6.97 16.60	28.20 -6.46 9.55
NIAGARA_115W_LBMP 323714	41.71 -4.53 0.00	35.42 -4.60 0.00	34.30 -4.32 0.00	34.33 -4.73 0.00	34.76 -4.97 0.00	37.61 -6.38 0.00	40.36 -8.89 11.26	43.63 -12.73 17.21	42.15 -8.10 7.64	30.73 -6.09 8.65	27.62 -5.40 8.18	28.01 -5.61 8.25	25.89 -5.42 7.69	24.55 -5.95 11.41	24.55 -5.93 11.28	19.49 -6.19 17.02	19.34 -6.87 21.15	24.40 -7.69 20.58	28.75 -8.45 21.85	29.12 -9.30 26.59	29.40 -7.90 18.33	24.21 -7.57 21.52	24.47 -7.02 16.92	27.88 -6.54 9.78
NIAGARA_230_LBMP 323716	42.08 -4.16 0.00	35.58 -4.44 0.00	34.45 -4.17 0.00	34.52 -4.53 0.00	34.96 -4.77 0.00	38.18 -5.81 0.00	40.52 -8.59 11.40	44.37 -11.77 17.43	42.53 -7.93 7.43	31.08 -6.00 8.39	28.00 -5.27 7.93	28.34 -5.53 8.00	26.25 -5.30 7.46	25.00 -5.82 11.08	25.00 -5.80 10.96	20.00 -6.06 16.64	20.00 -6.72 20.63	25.00 -7.53 20.14	29.50 -8.21 21.34	30.00 -9.03 25.97	30.00 -7.73 17.89	24.95 -7.36 20.99	25.00 -6.82 16.58	28.35 -6.32 9.53
NIAGARA__115KV_198_GIBSON 55903	41.71 -4.53 0.00	35.42 -4.60 0.00	34.18 -4.44 0.00	34.33 -4.73 0.00	34.76 -4.97 0.00	37.61 -6.38 0.00	40.48 -8.77 11.26	45.84 -10.52 17.21	42.09 -8.16 7.64	30.68 -6.14 8.65	27.66 -5.36 8.18	27.97 -5.65 8.25	25.85 -5.46 7.69	24.55 -5.95 11.41	24.55 -5.93 11.28	19.50 -6.19 17.02	19.35 -6.87 21.14	24.40 -7.69 20.58	28.76 -8.44 21.85	29.12 -9.30 26.60	29.40 -7.90 18.33	24.21 -7.57 21.52	24.47 -7.02 16.92	27.88 -6.54 9.78
NIAGARA__ 23760	42.08 -4.16 0.00	35.58 -4.44 0.00	34.45 -4.17 0.00	34.52 -4.53 0.00	34.96 -4.77 0.00	38.18 -5.81 0.00	41.03 -8.59 10.90	44.94 -11.77 16.85	42.52 -7.93 7.44	31.08 -6.00 8.39	27.99 -5.27 7.93	28.34 -5.53 8.00	26.24 -5.30 7.46	25.00 -5.82 11.08	25.00 -5.80 10.96	20.00 -6.06 16.64	20.00 -6.72 20.64	25.00 -7.53 20.14	29.50 -8.21 21.34	30.00 -9.03 25.98	30.00 -7.73 17.90	24.95 -7.36 21.00	25.00 -6.82 16.58	28.35 -6.32 9.54
NINE_MILE_1 23575	45.04 -1.20 0.00	38.90 -1.12 0.00	37.54 -1.08 0.00	37.96 -1.09 0.00	38.62 -1.11 0.00	42.76 -1.23 0.00	58.82 -1.69 0.00	71.36 -2.21 0.00	56.21 -1.68 0.00	44.15 -1.32 0.00	40.04 -1.15 0.00	40.66 -1.22 0.00	37.88 -1.13 0.00	40.65 -1.26 0.00	40.51 -1.25 0.00	41.47 -1.24 0.00	45.98 -1.37 0.00	51.20 -1.47 0.00	57.40 -1.65 0.00	63.26 -1.75 0.00	54.13 -1.50 0.00	51.86 -1.44 0.00	47.00 -1.41 0.00	42.93 -1.28 0.00
NINE_MILE_2 23744	45.04 -1.20 0.00	38.90 -1.12 0.00	37.54 -1.08 0.00	37.96 -1.09 0.00	38.62 -1.11 0.00	42.76 -1.23 0.00	58.82 -1.69 0.00	71.36 -2.21 0.00	56.27 -1.62 0.00	44.15 -1.32 0.00	40.04 -1.15 0.00	40.66 -1.22 0.00	37.88 -1.13 0.00	40.69 -1.22 0.00	40.51 -1.25 0.00	41.47 -1.24 0.00	45.98 -1.37 0.00	51.20 -1.47 0.00	57.40 -1.65 0.00	63.26 -1.75 0.00	54.13 -1.50 0.00	51.86 -1.44 0.00	47.05 -1.36 0.00	42.93 -1.28 0.00
NM_CAPITAL__DRP 24208	46.94 0.69 0.00	40.66 0.64 0.00	39.28 0.66 0.00	39.72 0.66 0.00	40.32 0.60 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.11 1.22 0.00	46.34 0.86 0.00	41.77 0.58 0.00	42.55 0.67 0.00	39.63 0.62 0.00	42.66 0.75 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.14 0.00	53.99 1.32 0.00	60.58 1.54 0.00	66.76 1.76 0.00	57.18 1.56 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00

NM_CENTRAL__DRP 24181	45.97 -0.28 0.00	39.72 -0.36 -0.06	38.36 -0.39 -0.12	38.66 -0.39 0.00	39.45 -0.40 -0.12	43.59 -0.40 0.00	60.38 -0.36 -0.23	73.67 -0.44 -0.55	57.48 -0.41 0.00	45.11 -0.36 0.00	40.91 -0.29 0.00	41.54 -0.34 0.00	38.66 -0.35 0.00	41.52 -0.38 0.00	41.39 -0.38 0.00	42.36 -0.34 0.00	46.98 -0.38 0.00	52.15 -0.53 0.00	58.52 -0.53 0.00	64.49 -0.52 0.00	55.18 -0.44 0.00	52.82 -0.48 0.00	47.87 -0.53 0.00	43.63 -0.57 0.00
NM_FRONTIER__DRP 24179	41.71 -4.53 0.00	35.42 -4.60 0.00	34.18 -4.44 0.00	34.33 -4.73 0.00	34.76 -4.97 0.00	37.61 -6.38 0.00	40.48 -8.77 11.26	45.84 -10.52 17.21	42.09 -8.16 7.64	30.68 -6.14 8.65	27.66 -5.36 8.18	27.97 -5.65 8.25	25.85 -5.46 7.69	24.55 -5.95 11.41	24.55 -5.93 11.28	19.50 -6.19 17.02	19.35 -6.87 21.14	24.40 -7.69 20.58	28.76 -8.44 21.85	29.12 -9.30 26.60	29.40 -7.90 18.33	24.21 -7.57 21.52	24.47 -7.02 16.92	27.88 -6.54 9.78
NM_ST_REGIS__HYD 24053	46.71 0.46 0.00	43.05 0.92 -2.11	43.62 0.93 -4.07	40.05 0.94 -0.06	44.86 1.11 -4.02	44.91 0.92 0.00	69.16 0.73 -7.92	93.28 1.03 -18.68	58.18 0.29 0.00	45.93 0.45 0.00	41.53 0.33 0.00	42.04 0.17 0.00	39.20 0.20 0.00	42.03 0.13 0.00	41.93 0.17 0.00	42.28 -0.43 0.00	46.74 -0.62 0.00	51.78 -0.90 0.00	58.04 -1.00 0.00	63.51 -1.50 0.00	54.46 -1.17 0.00	53.03 -0.27 0.00	48.45 0.05 0.00	44.56 0.35 0.00
NORTHPORT__1 23551	48.55 2.31 0.00	41.86 1.84 0.00	40.17 1.55 0.00	40.57 1.52 0.00	41.36 1.63 0.00	46.06 2.07 0.00	62.51 1.99 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.79 2.32 0.00	43.79 2.60 0.00	44.52 2.64 0.00	41.43 2.42 0.00	44.71 2.81 0.00	44.69 2.92 -0.01	45.79 3.08 -0.01	50.40 3.03 -0.01	55.84 3.16 -0.01	62.42 3.36 -0.01	70.97 3.83 -2.13	58.80 3.17 -0.01	56.13 2.82 -0.01	50.73 2.32 0.00	46.73 2.52 0.00
NORTHPORT__2 23552	48.55 2.31 0.00	41.86 1.84 0.00	40.17 1.55 0.00	40.57 1.52 0.00	41.36 1.63 0.00	46.06 2.07 0.00	62.51 1.99 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.79 2.32 0.00	43.79 2.60 0.00	44.52 2.64 0.00	41.43 2.42 0.00	44.71 2.81 0.00	44.69 2.92 -0.01	45.79 3.08 -0.01	50.40 3.03 -0.01	55.84 3.16 -0.01	62.42 3.36 -0.01	70.97 3.83 -2.13	58.80 3.17 -0.01	56.13 2.82 -0.01	50.73 2.32 0.00	46.73 2.52 0.00
NORTHPORT__3 23553	48.55 2.31 0.00	41.82 1.80 0.00	40.17 1.55 0.00	40.54 1.48 0.00	41.32 1.59 0.00	46.06 2.07 0.00	62.57 2.06 0.00	76.36 2.79 0.00	59.97 2.08 0.00	47.79 2.32 0.00	43.75 2.56 0.00	44.52 2.64 0.00	41.39 2.38 0.00	44.67 2.76 0.00	44.69 2.92 -0.01	45.79 3.08 -0.01	50.44 3.08 -0.01	55.90 3.21 -0.01	62.48 3.42 -0.01	71.04 3.90 -2.13	58.80 3.17 -0.01	56.18 2.88 -0.01	50.78 2.37 0.00	46.73 2.52 0.00
NORTHPORT__4 23650	48.55 2.31 0.00	41.82 1.80 0.00	40.17 1.55 0.00	40.54 1.48 0.00	41.32 1.59 0.00	46.06 2.07 0.00	62.57 2.06 0.00	76.36 2.79 0.00	59.97 2.08 0.00	47.79 2.32 0.00	43.75 2.56 0.00	44.52 2.64 0.00	41.39 2.38 0.00	44.67 2.76 0.00	44.69 2.92 -0.01	45.79 3.08 -0.01	50.44 3.08 -0.01	55.90 3.21 -0.01	62.48 3.42 -0.01	71.04 3.90 -2.13	58.80 3.17 -0.01	56.18 2.88 -0.01	50.78 2.37 0.00	46.73 2.52 0.00
NORTHPORT__IC 23718	48.56 2.31 0.00	41.86 1.84 0.00	40.21 1.58 0.00	40.58 1.52 0.00	41.36 1.63 0.00	46.06 2.07 0.00	62.57 2.06 0.00	75.99 2.43 0.00	60.03 2.14 0.00	47.79 2.32 0.00	43.75 2.55 0.00	44.68 2.81 0.00	41.54 2.54 0.00	44.67 2.77 0.00	44.69 2.92 -0.01	45.79 3.07 -0.01	50.40 3.03 -0.01	55.84 3.16 -0.01	62.42 3.37 -0.01	70.97 3.84 -2.13	58.80 3.17 -0.01	56.13 2.82 -0.01	50.73 2.32 0.00	46.73 2.52 0.00
NORTH__COUNTRY_ESR 323785	46.34 0.09 0.00	40.90 0.52 -0.36	39.85 0.54 -0.69	39.65 0.59 -0.01	41.12 0.72 -0.68	44.74 0.75 0.00	62.88 1.03 -1.33	77.96 1.25 -3.15	58.70 0.81 0.00	46.24 0.77 0.00	41.85 0.66 0.00	42.50 0.63 0.00	39.55 0.55 0.00	42.36 0.46 0.00	42.18 0.42 0.00	42.58 -0.13 0.00	47.03 -0.33 0.00	51.99 -0.69 0.00	58.22 -0.83 0.00	63.64 -1.37 0.00	54.57 -1.06 0.00	52.77 -0.53 0.00	48.02 -0.39 0.00	43.94 -0.26 0.00
NPX_GEN_1385_PROXY 323591	48.55 2.31 0.00	41.86 1.84 0.00	40.17 1.55 0.00	40.57 1.52 0.00	41.36 1.63 0.00	46.06 2.07 0.00	62.51 1.99 0.00	76.36 2.79 0.00	59.91 2.03 0.00	47.94 2.32 -0.15	43.64 2.60 0.15	44.52 2.64 0.00	41.43 2.42 0.00	44.71 2.81 0.00	44.69 2.92 -0.01	45.79 3.08 -0.01	50.40 3.03 -0.01	55.84 3.16 -0.01	62.42 3.36 -0.01	70.97 3.83 -2.13	58.80 3.17 -0.01	56.13 2.82 -0.01	50.73 2.32 0.00	46.73 2.52 0.00
NPX_GEN_CSC 323557	49.02 2.77 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.85 1.80 0.00	41.67 1.95 0.00	46.58 2.59 0.00	63.36 2.84 0.00	76.58 3.02 0.00	60.26 2.37 0.00	48.35 2.73 -0.15	44.01 2.97 0.15	44.85 2.97 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.54 4.49 -0.01	72.04 4.88 -2.15	59.81 4.17 -0.01	57.09 3.78 -0.01	51.41 3.00 0.00	47.13 2.92 0.00
NSINS_S__GLNS_FALLS 23858	47.03 0.79 0.00	40.66 0.64 0.00	39.36 0.73 0.00	39.80 0.74 0.00	40.40 0.68 0.00	44.91 0.92 0.00	62.21 1.69 0.00	75.70 2.13 0.00	59.28 1.39 0.00	46.06 0.59 0.00	41.44 0.25 0.00	42.13 0.25 0.00	39.44 0.43 0.00	42.40 0.50 0.00	42.31 0.54 0.00	43.52 0.81 0.00	48.49 1.14 0.00	53.89 1.21 0.00	60.76 1.71 0.00	67.02 2.02 0.00	57.29 1.67 0.00	54.52 1.23 0.00	49.62 1.21 0.00	45.14 0.93 0.00
NUCOR_STEEL__DRP 24197	46.47 0.23 0.00	40.07 0.00 -0.05	38.71 0.00 -0.09	39.02 -0.04 0.00	39.82 0.00 -0.09	44.03 0.04 0.00	62.55 0.24 -1.80	76.68 0.22 -2.89	58.01 0.00 -0.12	45.33 -0.14 0.00	41.16 -0.04 0.00	41.75 -0.13 0.00	38.81 -0.20 0.00	41.69 -0.21 0.00	41.51 -0.25 0.00	45.11 -0.21 -2.62	47.95 -0.19 -0.78	56.42 -0.11 -3.85	61.00 0.06 -1.89	67.71 0.20 -2.51	57.29 0.17 -1.50	54.30 0.21 -0.79	52.94 0.00 -4.53	44.24 -0.09 -0.12
NUMBER_THREE_WT_PWR 323818	46.38 0.14 0.00	41.18 0.40 -0.76	40.74 0.66 -1.46	39.90 0.82 -0.02	42.33 1.15 -1.45	45.31 1.32 0.00	64.81 1.45 -2.85	82.49 2.20 -6.72	58.99 1.10 0.00	45.93 0.45 0.00	41.52 0.33 0.00	42.00 0.13 0.00	39.05 0.04 0.00	41.86 -0.04 0.00	41.43 -0.34 0.00	41.94 -0.77 0.00	46.32 -1.04 0.00	51.57 -1.11 0.00	57.93 -1.12 0.00	64.03 -0.97 0.00	54.90 -0.72 0.00	53.30 0.00 0.00	48.75 0.34 0.00	44.56 0.35 0.00
NYISO_LBMP_REFERENCE 24008	46.24 0.00 0.00	40.02 0.00 0.00	38.62 0.00 0.00	39.05 0.00 0.00	39.73 0.00 0.00	43.99 0.00 0.00	60.52 0.00 0.00	73.56 0.00 0.00	57.89 0.00 0.00	45.47 0.00 0.00	41.20 0.00 0.00	41.88 0.00 0.00	39.01 0.00 0.00	41.90 0.00 0.00	41.76 0.00 0.00	42.71 0.00 0.00	47.36 0.00 0.00	52.68 0.00 0.00	59.05 0.00 0.00	65.01 0.00 0.00	55.62 0.00 0.00	53.30 0.00 0.00	48.41 0.00 0.00	44.21 0.00 0.00

NYPA_BRENTWD____GT 24164	49.06 2.82 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.93 1.87 0.00	41.71 1.99 0.00	46.54 2.55 0.00	63.30 2.79 0.00	77.24 3.68 0.00	60.61 2.72 0.00	48.25 2.77 0.00	44.16 2.97 0.00	44.89 3.02 0.00	41.74 2.73 0.00	45.08 3.18 0.00	45.11 3.34 -0.01	46.22 3.50 -0.01	51.01 3.65 -0.01	56.58 3.90 -0.01	63.31 4.25 -0.01	72.07 4.88 -2.18	59.64 4.01 -0.01	56.93 3.63 -0.01	51.36 2.95 0.00	47.17 2.96 0.00
NYPA_GOWANUS____GT5 24156	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NYPA_GOWANUS____GT6 24157	48.37 2.13 0.00	41.22 1.20 0.00	39.59 0.97 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	76.21 2.64 0.00	59.91 2.03 0.00	47.29 1.82 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.64 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.21 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00
NYPA_HARLEM__RVR__GT1 24160	48.23 1.99 0.00	41.30 1.28 0.00	39.67 1.04 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.36 1.37 0.00	61.96 1.45 0.01	75.98 2.42 0.01	59.79 1.91 0.01	47.19 1.73 0.01	43.17 1.98 0.01	44.00 2.13 0.01	40.99 1.99 0.01	44.11 2.22 0.01	44.01 2.25 0.01	45.09 2.39 0.01	49.72 2.37 0.01	55.09 2.42 0.01	61.46 2.42 0.01	67.67 2.67 0.01	57.73 2.11 0.01	55.11 1.81 0.00	50.34 1.94 0.00	46.15 1.94 0.00
NYPA_HARLEM__RVR__GT2 24161	48.23 1.99 0.00	41.30 1.28 0.00	39.67 1.04 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.36 1.37 0.00	61.96 1.45 0.01	75.98 2.42 0.01	59.79 1.91 0.01	47.19 1.73 0.01	43.17 1.98 0.01	44.00 2.13 0.01	40.99 1.99 0.01	44.11 2.22 0.01	44.01 2.25 0.01	45.09 2.39 0.01	49.72 2.37 0.01	55.09 2.42 0.01	61.46 2.42 0.01	67.67 2.67 0.01	57.73 2.11 0.01	55.11 1.81 0.00	50.34 1.94 0.00	46.15 1.94 0.00
NYPA_KENT____GT 24152	48.33 2.08 0.00	41.26 1.24 0.00	39.67 1.04 0.00	40.26 1.21 0.00	40.88 1.15 0.00	45.40 1.41 0.00	62.27 1.76 0.00	76.36 2.79 0.00	60.03 2.14 0.00	47.38 1.91 0.00	43.34 2.14 0.00	44.22 2.34 0.00	41.15 2.14 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.01 2.39 0.00	55.32 2.02 0.00	50.34 1.94 0.00	46.07 1.86 0.00
NYPA_POUCH1____GT 24155	24.69 2.13 23.68	41.06 1.04 0.00	39.43 0.81 0.00	40.03 0.98 0.00	40.64 0.91 0.00	45.00 1.01 0.00	51.02 1.21 10.70	58.65 2.20 17.11	51.17 1.68 8.40	47.02 1.55 0.00	43.13 1.94 0.00	43.97 2.09 0.00	40.96 1.95 0.00	44.12 2.22 0.00	44.02 2.25 0.00	45.01 2.30 0.00	49.58 2.23 0.00	52.02 2.26 2.92	54.58 2.24 6.71	54.55 2.53 12.99	54.03 2.00 3.59	51.25 1.60 3.65	50.05 1.65 0.00	45.71 1.50 0.00
NYPA_VERNON____GT2 24162	48.28 2.03 0.00	41.34 1.32 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.45 1.94 0.00	76.51 2.95 0.00	60.21 2.32 0.00	47.47 2.00 0.00	43.42 2.22 0.00	44.26 2.39 0.00	41.19 2.18 0.00	44.33 2.43 0.00	44.23 2.46 0.00	45.31 2.61 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.44 2.03 0.00	46.15 1.94 0.00
NYPA_VERNON____GT3 24163	48.28 2.03 0.00	41.34 1.32 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.45 1.94 0.00	76.51 2.95 0.00	60.21 2.32 0.00	47.47 2.00 0.00	43.42 2.22 0.00	44.26 2.39 0.00	41.19 2.18 0.00	44.33 2.43 0.00	44.23 2.46 0.00	45.31 2.61 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.44 2.03 0.00	46.15 1.94 0.00
NYPA__ASTORIA_CC1 323568	48.28 2.03 0.00	41.34 1.32 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.43 2.87 0.00	60.15 2.26 0.00	47.47 2.00 0.00	43.38 2.18 0.00	44.22 2.34 0.00	41.15 2.14 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.68 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.01 2.39 0.00	55.37 2.08 0.00	50.44 2.03 0.00	46.15 1.94 0.00
NYPA__ASTORIA_CC2 323569	48.28 2.03 0.00	41.34 1.32 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.43 2.87 0.00	60.15 2.26 0.00	47.47 2.00 0.00	43.38 2.18 0.00	44.22 2.34 0.00	41.15 2.14 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.36 2.68 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.01 2.39 0.00	55.37 2.08 0.00	50.44 2.03 0.00	46.15 1.94 0.00
NYPA__HOLTSVILL 23794	48.83 2.59 0.00	42.06 2.04 0.00	40.36 1.74 0.00	40.73 1.68 0.00	41.56 1.83 0.00	46.36 2.37 0.00	63.06 2.54 0.00	76.80 3.23 0.00	60.26 2.37 0.00	48.02 2.54 0.00	43.96 2.76 0.00	44.68 2.81 0.00	41.54 2.53 0.00	44.83 2.93 0.00	44.86 3.09 -0.01	46.00 3.29 -0.01	50.82 3.46 -0.01	56.37 3.69 -0.01	63.07 4.02 -0.01	71.70 4.55 -2.15	59.42 3.78 -0.01	56.72 3.41 -0.01	51.16 2.76 0.00	46.95 2.74 0.00
NYPA__HELLGATE_GT1 24158	48.23 1.99 0.00	41.30 1.28 0.00	39.67 1.04 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.36 1.37 0.00	61.96 1.45 0.01	75.98 2.42 0.01	59.79 1.91 0.01	47.19 1.73 0.01	43.17 1.98 0.01	44.00 2.13 0.01	40.99 1.99 0.01	44.11 2.22 0.01	44.01 2.25 0.01	45.09 2.39 0.01	49.72 2.37 0.01	55.09 2.42 0.01	61.41 2.36 0.01	67.60 2.60 0.01	57.68 2.06 0.01	55.11 1.81 0.00	50.34 1.94 0.00	46.15 1.94 0.00
NYPA__HELLGATE_GT2 24159	48.23 1.99 0.00	41.30 1.28 0.00	39.67 1.04 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.36 1.37 0.00	61.96 1.45 0.01	75.98 2.42 0.01	59.79 1.91 0.01	47.19 1.73 0.01	43.17 1.98 0.01	44.00 2.13 0.01	40.99 1.99 0.01	44.11 2.22 0.01	44.01 2.25 0.01	45.09 2.39 0.01	49.72 2.37 0.01	55.09 2.42 0.01	61.41 2.36 0.01	67.60 2.60 0.01	57.68 2.06 0.01	55.11 1.81 0.00	50.34 1.94 0.00	46.15 1.94 0.00
NYS_BARGE__HYD 23848	42.27 -3.98 0.00	35.74 -4.28 0.00	34.60 -4.02 0.00	34.68 -4.37 0.00	35.12 -4.61 0.00	38.36 -5.63 0.00	44.00 -7.75 8.77	48.83 -11.33 13.40	43.98 -7.18 6.73	32.20 -5.59 7.68	29.08 -4.86 7.26	29.44 -5.11 7.33	27.19 -4.99 6.83	24.98 -5.49 11.43	25.01 -5.47 11.28	19.30 -5.72 17.68	17.31 -6.30 23.75	24.62 -7.06 21.00	28.04 -7.68 23.34	27.87 -8.39 28.75	29.26 -7.18 19.19	22.64 -6.82 23.84	25.88 -6.39 16.14	28.67 -5.92 9.61

OAK ORCHARD__HYD 24046	44.76 -1.48 0.00	38.26 -1.76 0.00	36.96 -1.66 0.00	37.22 -1.83 0.00	37.90 -1.83 0.00	41.92 -2.07 0.00	60.02 -3.02 -2.52	73.15 -4.27 -3.86	55.07 -3.01 -0.19	43.11 -2.37 0.00	39.27 -1.94 0.00	39.87 -2.01 0.00	37.02 -1.99 0.00	40.82 -2.22 -1.14	40.65 -2.21 -1.11	38.82 -2.26 1.62	48.04 -2.46 -3.15	46.57 -2.79 3.31	56.83 -2.83 -0.62	62.65 -3.12 -0.76	53.20 -2.72 -0.30	53.66 -2.56 -2.92	40.18 -2.52 5.71	42.36 -2.43 -0.59
OAKDALE__35_KV_LOAD 356122	46.10 -0.14 0.00	39.66 -0.36 0.00	38.27 -0.35 0.00	38.66 -0.39 0.00	39.29 -0.44 0.00	43.51 -0.48 0.00	57.32 -0.48 2.71	68.61 -0.81 4.15	57.10 -0.58 0.21	45.02 -0.45 0.00	40.78 -0.41 0.00	41.41 -0.46 0.00	38.50 -0.51 0.00	40.74 -0.59 0.58	40.62 -0.58 0.56	38.81 -0.56 3.34	43.95 -0.57 2.84	47.70 -0.53 4.45	55.20 -0.53 3.31	60.18 -0.46 4.37	52.70 -0.39 2.53	50.13 -0.43 2.74	43.56 -0.53 4.31	43.19 -0.53 0.49
OCC_CHEM__DRP 24175	41.76 -4.49 0.00	35.46 -4.56 0.00	34.22 -4.40 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.56 -8.71 11.24	46.01 -10.37 17.18	42.06 -8.16 7.66	30.65 -6.14 8.68	27.63 -5.36 8.21	27.94 -5.65 8.28	25.83 -5.46 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.29 -6.87 21.21	24.35 -7.69 20.63	28.70 -8.44 21.91	29.04 -9.30 26.67	29.35 -7.90 18.38	24.20 -7.52 21.59	24.43 -7.02 16.96	27.85 -6.54 9.81
OH_GEN_PROXY 24063	42.13 -4.12 0.00	35.66 -4.36 0.00	34.49 -4.13 0.00	34.60 -4.45 0.00	35.00 -4.73 0.00	36.00 -5.72 2.27	40.92 -8.41 11.18	45.00 -11.47 17.09	43.15 -7.70 7.04	31.89 -5.82 7.76	28.42 -5.15 7.63	28.93 -5.40 7.55	26.79 -5.19 7.03	25.67 -5.70 10.53	25.66 -5.68 10.42	20.59 -5.93 16.18	20.94 -6.58 19.84	25.70 -7.32 19.65	30.44 -8.03 20.58	31.12 -8.78 25.11	30.90 -7.51 17.21	26.00 -7.14 20.16	25.44 -6.68 16.29	29.00 -6.19 9.02
OLIN_CORP_DRP 24177	41.67 -4.58 0.00	35.18 -4.84 0.00	33.95 -4.67 0.00	34.13 -4.92 0.00	34.56 -5.16 0.00	37.74 -6.25 0.00	41.21 -8.65 10.65	46.98 -10.30 16.28	41.77 -8.51 7.61	30.73 -6.14 8.60	27.75 -5.31 8.13	28.02 -5.65 8.21	25.94 -5.42 7.65	24.70 -5.95 11.25	24.74 -5.89 11.13	19.68 -6.24 16.79	19.80 -6.87 20.69	24.58 -7.74 20.35	29.12 -8.44 21.48	29.59 -9.30 26.13	29.68 -7.90 18.05	24.70 -7.52 21.08	24.60 -6.97 16.84	28.09 -6.45 9.67
OLIN_CORP_DSASP 323712	41.76 -4.49 0.00	35.46 -4.56 0.00	34.22 -4.40 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.56 -8.71 11.24	46.01 -10.37 17.18	42.06 -8.16 7.66	30.65 -6.14 8.68	27.63 -5.36 8.21	27.94 -5.65 8.28	25.83 -5.46 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.29 -6.87 21.21	24.35 -7.69 20.63	28.70 -8.44 21.91	29.04 -9.30 26.67	29.35 -7.90 18.38	24.20 -7.52 21.59	24.43 -7.02 16.96	27.85 -6.54 9.81
ONEIDA_HERK_LFGE 323681	46.80 0.56 0.00	40.89 0.52 -0.35	39.96 0.66 -0.68	39.80 0.74 -0.01	41.32 0.91 -0.67	45.09 1.10 0.00	63.11 1.27 -1.32	78.53 1.84 -3.12	58.99 1.10 0.00	46.06 0.59 0.00	41.69 0.50 0.00	42.25 0.38 0.00	39.36 0.35 0.00	42.28 0.38 0.00	42.06 0.29 0.00	42.83 0.13 0.00	47.45 0.09 0.00	52.89 0.21 0.00	59.35 0.30 0.00	65.53 0.52 0.00	56.07 0.44 0.00	53.99 0.69 0.00	49.13 0.73 0.00	44.87 0.66 0.00
ONEIDA__115KV_TB4 55905	47.17 0.92 0.00	40.89 0.72 -0.15	39.64 0.73 -0.28	39.84 0.78 0.00	40.88 0.87 -0.28	45.05 1.06 0.00	62.46 1.39 -0.55	76.78 1.91 -1.30	59.11 1.22 0.00	46.15 0.68 0.00	41.81 0.62 0.00	42.38 0.50 0.00	39.52 0.51 0.00	42.49 0.59 0.00	42.35 0.58 0.00	43.35 0.64 0.00	48.12 0.76 0.00	53.68 1.00 0.00	60.17 1.12 0.00	66.50 1.50 0.00	56.85 1.22 0.00	54.47 1.17 0.00	49.42 1.02 0.00	45.09 0.88 0.00
ONONDAGA_REF_OCCRA 23987	46.10 -0.14 0.00	39.84 -0.24 -0.06	38.46 -0.27 -0.11	38.74 -0.31 0.00	39.56 -0.28 -0.11	43.73 -0.26 0.00	60.54 -0.18 -0.21	73.83 -0.22 -0.49	57.66 -0.23 0.00	45.20 -0.27 0.00	40.99 -0.21 0.00	41.62 -0.25 0.00	38.74 -0.27 0.00	41.61 -0.29 0.00	41.43 -0.33 0.00	44.31 -0.30 -1.91	47.65 -0.28 -0.57	55.17 -0.32 -2.81	60.13 -0.30 -1.38	66.57 -0.26 -1.83	56.49 -0.22 -1.09	53.66 -0.21 -0.58	51.37 -0.34 -3.30	43.94 -0.35 -0.09
ONONDAGA__COGEN 23986	46.20 -0.05 0.00	39.92 -0.16 -0.06	38.54 -0.19 -0.11	38.86 -0.20 0.00	39.64 -0.20 -0.11	43.81 -0.18 0.00	60.66 -0.06 -0.21	73.91 -0.15 -0.49	57.72 -0.17 0.00	45.29 -0.18 0.00	41.07 -0.12 0.00	41.71 -0.17 0.00	38.81 -0.20 0.00	41.69 -0.21 0.00	41.51 -0.25 0.00	42.49 -0.21 0.00	47.17 -0.19 0.00	52.46 -0.21 0.00	58.87 -0.18 0.00	64.88 -0.13 0.00	55.51 -0.11 0.00	53.19 -0.11 0.00	48.21 -0.19 0.00	43.94 -0.27 0.00
ONTARIO__LFGE 23819	45.92 -0.32 0.00	39.42 -0.60 0.00	38.04 -0.58 0.00	38.39 -0.66 0.00	39.09 -0.64 0.00	43.33 -0.66 0.00	67.33 -1.39 -8.20	83.97 -2.14 -12.54	60.65 -1.62 -4.39	48.85 -1.41 -4.79	44.62 -1.11 -4.53	45.28 -1.17 -4.57	41.94 -1.33 -4.26	44.74 -1.51 -4.35	44.56 -1.54 -4.34	36.41 -1.32 4.97	47.17 -1.37 -1.18	43.13 -1.31 8.23	56.27 -1.42 1.36	60.49 -1.49 3.03	54.23 -1.17 0.22	53.80 -1.22 -1.72	36.73 -1.07 10.61	46.47 -1.33 -3.58
ORANGEVILLE_WT_PWR 323706	43.42 -2.82 0.00	37.02 -3.00 0.00	35.80 -2.82 0.00	35.97 -3.09 0.00	36.43 -3.30 0.00	39.85 -4.14 0.00	29.40 -6.05 25.06	26.72 -8.53 38.31	27.75 -5.96 24.17	12.21 -4.86 28.40	9.95 -4.41 26.84	10.01 -4.77 27.09	8.96 -4.80 25.25	8.28 -5.32 28.29	8.21 -5.39 28.17	5.95 -5.42 31.33	5.82 -5.92 35.62	8.15 -6.59 37.94	10.20 -7.15 41.70	10.43 -7.61 46.97	10.58 -6.56 38.48	8.07 -6.29 38.94	8.22 -5.96 34.23	9.91 -5.57 28.73
ORANGEVILLE__ESR 323794	43.42 -2.82 0.00	37.02 -3.00 0.00	35.80 -2.82 0.00	35.97 -3.09 0.00	36.43 -3.30 0.00	39.85 -4.14 0.00	29.40 -6.05 25.06	26.72 -8.53 38.31	27.75 -5.96 24.17	12.21 -4.86 28.40	9.95 -4.41 26.84	10.01 -4.77 27.09	8.96 -4.80 25.25	8.28 -5.32 28.29	8.21 -5.39 28.17	5.95 -5.42 31.33	5.82 -5.92 35.62	8.15 -6.59 37.94	10.20 -7.15 41.70	10.43 -7.61 46.97	10.58 -6.56 38.48	8.07 -6.29 38.94	8.22 -5.96 34.23	9.91 -5.57 28.73
OSWEGATCHIE__HYD 24044	46.34 0.09 0.00	42.14 0.44 -1.68	42.39 0.54 -3.23	39.73 0.62 -0.05	43.79 0.87 -3.19	44.82 0.83 0.00	67.47 0.67 -6.29	89.50 1.11 -14.83	58.06 0.17 0.00	45.47 0.00 0.00	41.11 -0.08 0.00	41.67 -0.21 0.00	38.78 -0.23 0.00	41.57 -0.34 0.00	41.35 -0.42 0.00	41.85 -0.85 0.00	46.27 -1.09 0.00	51.36 -1.31 0.00	57.69 -1.36 0.00	63.52 -1.49 0.00	54.45 -1.17 0.00	52.98 -0.32 0.00	48.41 0.00 0.00	44.39 0.18 0.00
OSWEGO__5 23606	45.32 -0.92 0.00	39.10 -0.92 0.00	37.77 -0.85 0.00	38.16 -0.90 0.00	38.82 -0.91 0.00	42.98 -1.01 0.00	59.13 -1.39 0.00	71.80 -1.77 0.00	56.56 -1.33 0.00	44.43 -1.04 0.00	40.25 -0.95 0.00	40.91 -0.96 0.00	38.07 -0.94 0.00	40.90 -1.01 0.00	40.72 -1.04 0.00	41.68 -1.03 0.00	46.27 -1.09 0.00	51.47 -1.21 0.00	57.75 -1.30 0.00	63.64 -1.37 0.00	54.45 -1.17 0.00	52.18 -1.12 0.00	47.29 -1.11 0.00	43.15 -1.06 0.00

OSWEGO___6 23613	45.32 -0.92 0.00	39.10 -0.92 0.00	37.77 -0.85 0.00	38.16 -0.90 0.00	38.82 -0.91 0.00	42.98 -1.01 0.00	59.13 -1.39 0.00	71.80 -1.77 0.00	56.56 -1.33 0.00	44.43 -1.04 0.00	40.25 -0.95 0.00	40.91 -0.96 0.00	38.07 -0.94 0.00	40.90 -1.01 0.00	40.72 -1.04 0.00	41.68 -1.03 0.00	46.27 -1.09 0.00	51.47 -1.21 0.00	57.75 -1.30 0.00	63.64 -1.37 0.00	54.45 -1.17 0.00	52.18 -1.12 0.00	47.29 -1.11 0.00	43.15 -1.06 0.00
OUTOKUMPU-AB___DRP 24206	42.59 -3.65 0.00	36.10 -3.92 0.00	34.84 -3.78 0.00	35.03 -4.02 0.00	35.44 -4.29 0.00	38.58 -5.41 0.00	42.29 -7.32 10.90	48.14 -8.75 16.67	42.85 -7.12 7.92	31.13 -5.32 9.02	28.02 -4.66 8.52	28.37 -4.90 8.60	26.19 -4.80 8.02	24.69 -5.28 11.93	24.70 -5.26 11.80	19.55 -5.51 17.65	19.16 -6.11 22.09	24.53 -6.85 21.30	28.82 -7.50 22.73	29.14 -8.19 27.68	29.56 -7.01 19.05	24.11 -6.72 22.47	24.70 -6.29 17.41	28.13 -5.92 10.15
OXBOW___BTM 323836	42.22 -4.02 0.00	35.82 -4.20 0.00	34.68 -3.94 0.00	34.72 -4.34 0.00	35.16 -4.57 0.00	38.14 -5.85 0.00	41.21 -8.23 11.07	45.02 -11.62 16.92	42.69 -7.41 7.79	30.98 -5.64 8.85	27.84 -4.99 8.37	28.24 -5.19 8.45	26.07 -5.07 7.87	24.64 -5.57 11.69	24.65 -5.55 11.56	19.54 -5.81 17.36	19.26 -6.44 21.66	24.49 -7.21 20.97	28.81 -7.91 22.33	29.18 -8.65 27.18	29.51 -7.40 18.72	24.13 -7.14 22.03	24.59 -6.63 17.19	28.03 -6.19 9.98
OXBOW___ 24026	42.22 -4.02 0.00	35.82 -4.20 0.00	34.57 -4.06 0.00	34.72 -4.33 0.00	35.16 -4.57 0.00	38.14 -5.85 0.00	41.46 -7.99 11.07	47.15 -9.49 16.92	42.51 -7.58 7.79	30.93 -5.68 8.85	27.85 -4.98 8.37	28.19 -5.23 8.45	26.03 -5.11 7.87	24.64 -5.57 11.69	24.65 -5.55 11.56	19.54 -5.81 17.36	19.26 -6.44 21.65	24.49 -7.22 20.97	28.81 -7.91 22.32	29.18 -8.65 27.18	29.51 -7.40 18.72	24.18 -7.09 22.03	24.58 -6.63 17.19	28.03 -6.19 9.98
OXY_CHEM_DSASP 323612	41.76 -4.49 0.00	35.46 -4.56 0.00	34.22 -4.40 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.56 -8.71 11.24	46.01 -10.37 17.18	42.06 -8.16 7.66	30.65 -6.14 8.68	27.63 -5.36 8.21	27.94 -5.65 8.28	25.83 -5.46 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.29 -6.87 21.21	24.35 -7.69 20.63	28.70 -8.44 21.91	29.04 -9.30 26.67	29.35 -7.90 18.38	24.20 -7.52 21.59	24.43 -7.02 16.96	27.85 -6.54 9.81
OZONE_PARK_ESR 323760	48.32 2.08 0.00	41.50 1.48 0.00	39.94 1.31 0.00	40.46 1.41 0.00	41.12 1.39 0.00	45.75 1.76 0.00	63.00 2.48 0.00	76.88 3.31 0.00	60.67 2.78 0.00	47.79 2.32 0.00	43.59 2.39 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.50 2.60 0.00	44.39 2.63 0.00	45.48 2.78 0.00	50.29 2.94 0.00	55.84 3.16 0.00	62.36 3.31 0.00	68.65 3.64 0.00	58.63 3.00 0.00	55.86 2.56 0.00	50.78 2.37 0.00	46.37 2.17 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	41.76 -4.49 0.00	35.46 -4.56 0.00	34.22 -4.40 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.56 -8.71 11.24	46.01 -10.37 17.18	42.06 -8.16 7.66	30.65 -6.14 8.68	27.63 -5.36 8.21	27.94 -5.65 8.28	25.83 -5.46 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.29 -6.87 21.21	24.35 -7.69 20.63	28.70 -8.44 21.91	29.04 -9.30 26.67	29.35 -7.90 18.38	24.20 -7.52 21.59	24.43 -7.02 16.96	27.85 -6.54 9.81
PACKARD___115KV_DUPONT_184 80571	41.76 -4.48 0.00	35.46 -4.56 0.00	34.30 -4.32 0.00	34.37 -4.69 0.00	34.80 -4.93 0.00	37.66 -6.33 0.00	40.38 -8.89 11.24	43.73 -12.65 17.18	42.12 -8.10 7.66	30.69 -6.09 8.68	27.64 -5.35 8.21	27.98 -5.61 8.28	25.87 -5.42 7.72	24.51 -5.95 11.45	24.51 -5.93 11.32	19.45 -6.19 17.06	19.28 -6.87 21.21	24.35 -7.69 20.63	28.69 -8.45 21.91	29.05 -9.30 26.66	29.35 -7.90 18.38	24.15 -7.57 21.58	24.43 -7.02 16.96	27.85 -6.54 9.81
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	48.32 2.08 0.00	41.38 1.36 0.00	39.78 1.16 0.00	40.34 1.29 0.00	41.00 1.27 0.00	45.44 1.45 0.00	62.15 1.63 0.00	75.85 2.28 0.00	59.86 1.97 0.00	47.29 1.82 0.00	43.22 2.02 0.00	44.09 2.22 0.00	41.08 2.07 0.00	44.12 2.22 0.00	44.06 2.30 0.00	45.10 2.39 0.00	49.73 2.37 0.00	55.15 2.48 0.00	61.53 2.48 0.00	67.74 2.73 0.00	57.79 2.17 0.00	55.22 1.92 0.00	50.44 2.03 0.00	46.20 1.99 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	48.88 2.64 0.00	41.86 1.84 0.00	40.24 1.62 0.00	40.85 1.80 0.00	41.52 1.79 0.00	45.97 1.98 0.00	62.88 2.36 0.00	76.65 3.09 0.00	60.49 2.61 0.00	47.74 2.27 0.00	43.54 2.35 0.00	44.51 2.64 0.00	41.39 2.38 0.00	44.46 2.56 0.00	44.35 2.59 0.00	45.40 2.69 0.00	50.10 2.75 0.00	55.63 2.95 0.00	62.06 3.01 0.00	68.32 3.32 0.00	58.35 2.73 0.00	55.70 2.40 0.00	50.88 2.47 0.00	46.64 2.43 0.00
PATROON___115KV_TB1 80586	47.17 0.92 0.00	40.86 0.84 0.00	39.47 0.85 0.00	39.91 0.86 0.00	40.56 0.83 0.00	44.96 0.97 0.00	62.09 1.57 0.00	75.40 1.84 0.00	59.39 1.51 0.00	46.52 1.05 0.00	41.98 0.78 0.00	42.75 0.88 0.00	39.83 0.82 0.00	42.87 0.96 0.00	42.68 0.92 0.00	43.82 1.11 0.00	48.73 1.37 0.00	54.20 1.53 0.00	60.88 1.83 0.00	67.09 2.08 0.00	57.40 1.78 0.00	54.74 1.44 0.00	49.81 1.40 0.00	45.40 1.19 0.00
PATRSNVILLE___SOLAR 323815	47.22 0.97 0.00	40.82 0.80 0.00	39.43 0.81 0.00	39.87 0.82 0.00	40.52 0.79 0.00	45.00 1.01 0.00	62.09 1.57 0.00	75.47 1.91 0.00	58.99 1.10 0.00	45.97 0.50 0.00	41.45 0.25 0.00	42.21 0.33 0.00	39.48 0.47 0.00	42.49 0.59 0.00	42.30 0.54 0.00	43.43 0.73 0.00	48.30 0.95 0.00	53.89 1.21 0.00	60.64 1.59 0.00	66.96 1.95 0.00	57.24 1.61 0.00	54.68 1.38 0.00	49.66 1.26 0.00	45.27 1.06 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	43.84 -2.40 0.00	37.18 -2.84 0.00	35.92 -2.70 0.00	36.05 -3.01 0.00	36.51 -3.22 0.00	39.94 -4.05 0.00	43.18 -5.33 12.01	48.73 -6.47 18.36	44.39 -4.86 8.64	32.00 -3.64 9.83	28.70 -3.21 9.29	29.02 -3.48 9.38	26.84 -3.43 8.74	26.01 -3.81 12.08	25.95 -3.84 11.97	21.09 -4.06 17.56	22.62 -4.50 20.24	26.04 -5.00 21.63	31.81 -5.43 21.81	32.65 -5.92 26.45	32.05 -5.12 18.46	27.63 -4.90 20.76	24.98 -4.70 18.73	29.70 -4.55 9.96
PAWLING_115_KV_BK3_REV_LBMP_H 345028	48.09 1.85 0.00	41.42 1.40 0.00	39.90 1.27 0.00	40.38 1.33 0.00	41.00 1.27 0.00	45.62 1.63 0.00	63.00 2.48 0.00	76.73 3.16 0.00	60.49 2.61 0.00	47.43 1.96 0.00	43.05 1.85 0.00	43.93 2.05 0.00	40.96 1.95 0.00	43.95 2.05 0.00	43.85 2.09 0.00	45.01 2.31 0.00	49.77 2.42 0.00	55.41 2.74 0.00	62.06 3.01 0.00	68.32 3.32 0.00	58.29 2.67 0.00	55.54 2.24 0.00	50.54 2.13 0.00	46.15 1.95 0.00
PEEKSKILL___ 23653	47.63 1.39 0.00	40.98 0.96 0.00	39.47 0.85 0.00	39.95 0.90 0.00	40.60 0.87 0.00	45.18 1.19 0.00	62.21 1.69 0.00	76.14 2.57 0.00	59.80 1.91 0.00	47.06 1.59 0.00	42.85 1.65 0.00	43.63 1.76 0.00	40.65 1.64 0.00	43.70 1.80 0.00	43.64 1.88 0.00	44.71 2.01 0.00	49.49 2.13 0.00	54.99 2.32 0.00	61.47 2.42 0.00	67.74 2.73 0.00	57.79 2.17 0.00	55.11 1.81 0.00	50.05 1.65 0.00	45.76 1.55 0.00

PGE MADISON___WINDPWR 24146	48.56 2.31 0.00	41.90 1.88 0.00	40.55 1.93 0.00	41.16 2.11 0.00	42.07 2.34 0.00	46.85 2.86 0.00	64.39 3.87 0.00	78.49 4.93 0.00	62.00 2.95 -1.16	48.59 1.64 -1.48	43.87 1.28 -1.40	44.21 0.92 -1.41	41.26 0.94 -1.32	44.21 0.96 -1.34	44.19 1.09 -1.34	54.44 1.28 -10.45	52.90 1.61 -3.93	70.32 2.53 -15.12	70.33 3.07 -8.21	79.18 3.64 -10.54	65.39 3.00 -6.76	60.09 2.66 -4.12	68.13 2.23 -17.49	47.76 1.95 -1.61
PIERCEFIELD___HYD 23852	46.61 0.37 0.00	43.25 0.80 -2.43	44.12 0.81 -4.69	39.98 0.86 -0.07	45.35 0.99 -4.63	44.74 0.75 0.00	69.93 0.30 -9.12	95.59 0.51 -21.51	57.72 -0.17 0.00	45.61 0.14 0.00	41.24 0.04 0.00	41.75 -0.13 0.00	38.97 -0.04 0.00	41.78 -0.13 0.00	41.68 -0.08 0.00	42.07 -0.64 0.00	46.51 -0.85 0.00	51.52 -1.16 0.00	57.75 -1.30 0.00	63.25 -1.76 0.00	54.23 -1.39 0.00	52.82 -0.48 0.00	48.36 -0.05 0.00	44.52 0.31 0.00
PINELAWN_CC_1 323563	48.74 2.50 0.00	41.98 1.96 0.00	40.28 1.66 0.00	40.65 1.60 0.00	41.44 1.71 0.00	46.23 2.24 0.00	62.94 2.42 0.00	76.88 3.31 0.00	60.26 2.37 0.00	47.92 2.45 0.00	43.84 2.64 0.00	44.56 2.68 0.00	41.47 2.46 0.00	44.75 2.85 0.00	44.78 3.01 -0.01	45.88 3.16 -0.01	50.68 3.31 -0.01	56.21 3.53 -0.01	62.89 3.84 -0.01	71.70 4.36 -2.34	59.20 3.56 -0.01	56.51 3.20 -0.01	51.07 2.66 0.00	46.86 2.65 0.00
PJM_GEN_HTP_PROXY 323702	47.91 1.66 0.00	41.18 1.16 0.00	39.62 1.00 0.00	40.14 1.09 0.00	40.80 1.07 0.00	45.40 1.41 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.15 2.26 0.00	47.53 1.91 -0.15	43.06 2.02 0.15	44.05 2.18 0.00	41.00 1.99 0.00	44.12 2.22 0.00	44.06 2.30 0.00	45.14 2.43 0.00	49.87 2.51 0.00	55.36 2.68 0.00	61.82 2.78 0.00	68.06 3.06 0.00	58.13 2.51 0.00	55.43 2.13 0.00	50.34 1.94 0.00	46.02 1.81 0.00
PJM_GEN_KEystone 24065	41.90 -0.92 3.42	38.82 -1.20 0.00	37.42 -1.20 0.00	37.76 -1.29 0.00	38.34 -1.39 0.00	42.45 -1.54 0.00	52.72 -2.30 5.50	62.32 -2.80 8.45	53.00 -1.91 2.98	41.67 -1.36 2.44	37.45 -1.15 2.60	36.60 -1.17 4.10	35.54 -1.17 2.30	35.07 -1.30 5.53	31.64 -1.25 8.87	34.50 -1.28 6.93	35.16 -1.47 10.73	42.00 -1.63 9.04	48.14 -1.83 9.08	52.40 -1.89 10.72	47.04 -1.72 6.86	41.90 -1.81 9.59	38.61 -1.70 8.10	33.90 -1.59 8.72
PJM_GEN_NEPTUNE_PROXY 323594	48.23 1.99 0.00	41.50 1.48 0.00	39.86 1.24 0.00	40.26 1.21 0.00	41.04 1.31 0.00	45.70 1.71 0.00	62.33 1.81 0.00	76.14 2.57 0.00	59.80 1.91 0.00	47.62 2.00 -0.15	43.27 2.22 0.15	44.18 2.30 0.00	41.11 2.11 0.00	44.33 2.43 0.00	44.32 2.55 -0.01	45.36 2.65 -0.01	50.06 2.70 -0.01	55.58 2.90 -0.01	62.01 2.95 -0.01	69.46 3.38 -1.08	58.41 2.78 -0.01	55.81 2.51 -0.01	50.53 2.13 0.00	46.37 2.17 0.00
PJM_GEN_VFT_PROXY 323633	24.08 1.52 23.69	41.01 1.00 0.01	39.46 0.85 0.01	40.02 0.98 0.01	40.67 0.95 0.01	45.26 1.28 0.01	51.50 1.69 10.71	59.17 2.72 17.12	51.50 2.03 8.41	47.39 1.77 -0.14	42.93 1.90 0.16	43.92 2.05 0.01	40.87 1.87 0.01	43.99 2.09 0.01	43.92 2.17 0.01	44.96 2.26 0.01	49.72 2.37 0.01	52.23 2.48 2.92	54.87 2.54 6.72	54.81 2.79 13.00	54.25 2.23 3.60	51.51 1.86 3.65	50.14 1.74 0.01	45.84 1.64 0.01
PLATSBURG_115KV_PMLD1 355749	46.84 0.60 0.00	40.94 0.92 0.00	39.59 0.97 0.00	40.03 0.98 0.00	40.84 1.11 0.00	45.18 1.19 0.00	62.09 1.57 0.00	75.55 1.99 0.00	59.34 1.45 0.00	46.74 1.27 0.00	42.27 1.07 0.00	42.84 0.96 0.00	39.94 0.94 0.00	42.82 0.92 0.00	42.64 0.88 0.00	43.01 0.30 0.00	47.50 0.14 0.00	52.52 -0.16 0.00	58.87 -0.18 0.00	64.36 -0.65 0.00	55.18 -0.44 0.00	53.40 0.11 0.00	48.60 0.19 0.00	44.47 0.27 0.00
PLEASANTVLY___LBMP 24000	47.31 1.06 0.00	40.74 0.72 0.00	39.28 0.66 0.00	39.76 0.70 0.00	40.36 0.64 0.00	44.91 0.92 0.00	61.91 1.39 0.00	75.33 1.77 0.00	59.45 1.56 0.00	46.74 1.27 0.00	42.47 1.28 0.00	43.34 1.47 0.00	40.37 1.37 0.00	43.37 1.47 0.00	43.27 1.50 0.00	44.37 1.67 0.00	49.11 1.75 0.00	54.57 1.90 0.00	61.06 2.01 0.00	67.28 2.28 0.00	57.46 1.84 0.00	54.84 1.55 0.00	49.76 1.36 0.00	45.49 1.28 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	47.86 1.62 0.00	41.18 1.16 0.00	39.47 0.85 0.00	39.95 0.90 0.00	40.60 0.87 0.00	45.18 1.19 0.00	62.27 1.75 0.00	75.85 2.28 0.00	59.80 1.91 0.00	47.06 1.59 0.00	42.80 1.61 0.00	43.68 1.80 0.00	40.65 1.64 0.00	43.66 1.76 0.00	43.60 1.84 0.00	44.67 1.96 0.00	49.44 2.08 0.00	54.94 2.27 0.00	61.47 2.42 0.00	67.67 2.67 0.00	57.85 2.22 0.00	55.11 1.81 0.00	50.05 1.65 0.00	45.76 1.55 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	47.86 1.62 0.00	41.18 1.16 0.00	39.47 0.85 0.00	39.95 0.90 0.00	40.60 0.87 0.00	45.18 1.19 0.00	62.27 1.75 0.00	75.85 2.28 0.00	59.80 1.91 0.00	47.06 1.59 0.00	42.80 1.61 0.00	43.68 1.80 0.00	40.65 1.64 0.00	43.66 1.76 0.00	43.60 1.84 0.00	44.67 1.96 0.00	49.44 2.08 0.00	54.94 2.27 0.00	61.47 2.42 0.00	67.67 2.67 0.00	57.85 2.22 0.00	55.11 1.81 0.00	50.05 1.65 0.00	45.76 1.55 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	47.68 1.43 0.00	41.06 1.04 0.00	39.55 0.93 0.00	40.07 1.02 0.00	40.68 0.95 0.00	45.22 1.23 0.00	62.45 1.94 0.00	75.85 2.28 0.00	59.80 1.91 0.00	46.93 1.46 0.00	42.56 1.36 0.00	43.42 1.55 0.00	40.45 1.44 0.00	43.45 1.55 0.00	43.35 1.59 0.00	44.46 1.75 0.00	49.25 1.89 0.00	54.83 2.16 0.00	61.41 2.36 0.00	67.67 2.67 0.00	57.79 2.17 0.00	55.11 1.81 0.00	50.10 1.69 0.00	45.76 1.55 0.00
POLETTI___ 23519	48.00 1.76 0.00	41.26 1.24 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.57 2.06 0.00	76.36 2.80 0.00	60.21 2.32 0.00	47.47 2.00 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.11 2.11 0.00	44.21 2.30 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.18 2.56 0.00	55.48 2.19 0.00	50.44 2.03 0.00	46.07 1.86 0.00
POMONA___ESR 323819	47.59 1.34 0.00	40.98 0.96 0.00	39.43 0.81 0.00	39.95 0.90 0.00	40.56 0.84 0.00	45.13 1.14 0.00	62.21 1.69 0.00	76.07 2.50 0.00	59.74 1.85 0.00	47.02 1.55 0.00	42.76 1.57 0.00	43.55 1.68 0.00	40.57 1.56 0.00	43.66 1.76 0.00	43.56 1.79 0.00	44.67 1.97 0.00	49.39 2.03 0.00	54.89 2.21 0.00	61.41 2.36 0.00	67.67 2.67 0.00	57.74 2.11 0.00	55.05 1.76 0.00	50.00 1.60 0.00	45.71 1.50 0.00
PORT_JEFF_3 23555	48.92 2.68 0.00	42.14 2.12 0.00	40.44 1.82 0.00	40.81 1.76 0.00	41.64 1.91 0.00	46.45 2.46 0.00	63.18 2.66 0.00	76.95 3.39 0.00	60.38 2.49 0.00	48.11 2.64 0.00	44.08 2.88 0.00	44.76 2.89 0.00	41.62 2.61 0.00	44.92 3.02 0.00	44.94 3.17 -0.01	46.13 3.42 -0.01	50.96 3.60 -0.01	56.48 3.79 -0.01	63.25 4.19 -0.01	71.90 4.74 -2.15	59.58 3.95 -0.01	56.88 3.57 -0.01	51.26 2.86 0.00	47.08 2.87 0.00

PORT_JEFF_4 23616	48.92 2.68 0.00	42.14 2.12 0.00	40.44 1.82 0.00	40.81 1.76 0.00	41.64 1.91 0.00	46.45 2.46 0.00	63.18 2.66 0.00	76.95 3.39 0.00	60.38 2.49 0.00	48.11 2.64 0.00	44.08 2.88 0.00	44.76 2.89 0.00	41.62 2.61 0.00	44.92 3.02 0.00	44.94 3.17 -0.01	46.13 3.42 -0.01	50.96 3.60 -0.01	56.48 3.79 -0.01	63.25 4.19 -0.01	71.90 4.74 -2.15	59.58 3.95 -0.01	56.88 3.57 -0.01	51.26 2.86 0.00	47.08 2.87 0.00
PORT_JEFF_IC 23713	49.02 2.77 0.00	42.18 2.16 0.00	40.51 1.89 0.00	40.85 1.80 0.00	41.68 1.95 0.00	46.50 2.51 0.00	63.30 2.78 0.00	76.65 3.09 0.00	60.61 2.72 0.00	48.20 2.73 0.00	44.12 2.92 0.00	45.02 3.14 0.00	41.82 2.81 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.17 3.46 -0.01	51.06 3.69 -0.01	56.58 3.90 -0.01	63.37 4.31 -0.01	72.04 4.88 -2.16	59.69 4.06 -0.01	56.93 3.62 -0.01	51.31 2.90 0.00	47.13 2.92 0.00
PPL_PILGRIM_ST_GT1 24216	49.06 2.82 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.93 1.87 0.00	41.71 1.99 0.00	46.54 2.55 0.00	63.30 2.79 0.00	77.24 3.68 0.00	60.61 2.72 0.00	48.25 2.77 0.00	44.16 2.97 0.00	44.89 3.02 0.00	41.74 2.73 0.00	45.08 3.18 0.00	45.11 3.34 -0.01	46.22 3.50 -0.01	51.01 3.65 -0.01	56.58 3.90 -0.01	63.31 4.25 -0.01	72.07 4.88 -2.18	59.64 4.01 -0.01	56.93 3.63 -0.01	51.36 2.95 0.00	47.17 2.96 0.00
PPL_PILGRIM_ST_GT2 24217	49.06 2.82 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.93 1.87 0.00	41.71 1.99 0.00	46.54 2.55 0.00	63.30 2.79 0.00	77.24 3.68 0.00	60.61 2.72 0.00	48.25 2.77 0.00	44.16 2.97 0.00	44.89 3.02 0.00	41.74 2.73 0.00	45.08 3.18 0.00	45.11 3.34 -0.01	46.22 3.50 -0.01	51.01 3.65 -0.01	56.58 3.90 -0.01	63.31 4.25 -0.01	72.07 4.88 -2.18	59.64 4.01 -0.01	56.93 3.63 -0.01	51.36 2.95 0.00	47.17 2.96 0.00
PPL_SHRM_GT3 24213	49.06 2.82 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.89 1.84 0.00	41.71 1.99 0.00	46.58 2.59 0.00	63.36 2.84 0.00	76.65 3.09 0.00	60.32 2.43 0.00	48.20 2.73 0.00	44.16 2.97 0.00	44.85 2.97 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.54 4.49 -0.01	72.04 4.88 -2.15	59.86 4.23 -0.01	57.15 3.84 -0.01	51.46 3.05 0.00	47.17 2.96 0.00
PPL_SHRM_GT4 24214	49.06 2.82 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.89 1.84 0.00	41.71 1.99 0.00	46.58 2.59 0.00	63.36 2.84 0.00	76.65 3.09 0.00	60.32 2.43 0.00	48.20 2.73 0.00	44.16 2.97 0.00	44.85 2.97 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.54 4.49 -0.01	72.04 4.88 -2.15	59.86 4.23 -0.01	57.15 3.84 -0.01	51.46 3.05 0.00	47.17 2.96 0.00
PROJECT___ORANGE 1 24174	46.01 -0.23 0.00	39.72 -0.36 -0.06	38.39 -0.35 -0.12	38.66 -0.39 0.00	39.45 -0.40 -0.11	43.59 -0.40 0.00	60.38 -0.36 -0.23	73.66 -0.44 -0.53	57.48 -0.41 0.00	45.11 -0.36 0.00	40.95 -0.25 0.00	41.58 -0.29 0.00	38.70 -0.31 0.00	41.57 -0.34 0.00	41.39 -0.38 0.00	42.36 -0.34 0.00	47.03 -0.33 0.00	52.15 -0.53 0.00	58.52 -0.53 0.00	64.49 -0.52 0.00	55.18 -0.44 0.00	52.87 -0.43 0.00	47.92 -0.48 0.00	43.68 -0.53 0.00
PROJECT___ORANGE 2 24166	46.01 -0.23 0.00	39.72 -0.36 -0.06	38.39 -0.35 -0.12	38.66 -0.39 0.00	39.45 -0.40 -0.11	43.59 -0.40 0.00	60.38 -0.36 -0.23	73.66 -0.44 -0.53	57.48 -0.41 0.00	45.11 -0.36 0.00	40.95 -0.25 0.00	41.58 -0.29 0.00	38.70 -0.31 0.00	41.57 -0.34 0.00	41.39 -0.38 0.00	42.36 -0.34 0.00	47.03 -0.33 0.00	52.15 -0.53 0.00	58.52 -0.53 0.00	64.49 -0.52 0.00	55.18 -0.44 0.00	52.87 -0.43 0.00	47.92 -0.48 0.00	43.68 -0.53 0.00
PUCKETT___SOLAR 323809	46.80 0.56 0.00	40.30 0.28 0.00	38.89 0.27 0.00	39.33 0.28 0.00	40.01 0.28 0.00	44.38 0.40 0.00	58.94 0.54 2.12	70.84 0.52 3.24	58.14 0.41 0.16	45.61 0.14 0.00	41.28 0.08 0.00	41.83 -0.04 0.00	38.93 -0.08 0.00	41.29 -0.13 0.49	41.16 -0.12 0.48	41.82 -0.04 0.84	45.58 0.05 1.82	52.20 0.37 0.84	58.26 0.59 1.38	64.05 0.84 1.81	55.28 0.67 1.01	52.05 0.48 1.73	48.49 0.29 0.21	44.11 0.22 0.32
PYRITES___HYD 24023	47.45 1.20 0.00	44.16 1.56 -2.57	45.13 1.54 -4.96	40.69 1.56 -0.08	46.38 1.75 -4.90	45.66 1.67 0.00	71.68 1.51 -9.65	98.32 1.99 -22.77	58.64 0.75 0.00	46.15 0.68 0.00	41.69 0.49 0.00	42.17 0.29 0.00	39.36 0.35 0.00	42.24 0.34 0.00	42.18 0.42 0.00	42.58 -0.13 0.00	47.22 -0.14 0.00	52.41 -0.26 0.00	58.93 -0.12 0.00	64.75 -0.26 0.00	55.46 -0.17 0.00	53.94 0.64 0.00	49.37 0.97 0.00	45.36 1.15 0.00
QUAKERRD_115KV_BK1 80622	44.12 -2.13 0.00	37.82 -2.20 0.00	36.46 -2.16 0.00	36.79 -2.27 0.00	37.46 -2.26 0.00	41.48 -2.51 0.00	59.74 -3.27 -2.50	73.41 -3.97 -3.82	54.43 -3.65 -0.19	42.65 -2.82 0.00	38.89 -2.31 0.00	39.45 -2.43 0.00	36.67 -2.34 0.00	39.96 -2.60 -0.66	39.85 -2.55 -0.64	38.12 -2.61 1.98	46.03 -2.84 -1.51	46.02 -3.21 3.45	55.29 -3.37 0.39	60.75 -3.71 0.55	51.98 -3.23 0.42	51.64 -3.04 -1.38	40.40 -2.90 5.10	41.72 -2.79 -0.29
QUENSBRY_115KV_TB8 356137	46.98 0.74 0.00	40.62 0.60 0.00	39.32 0.70 0.00	39.76 0.70 0.00	40.36 0.64 0.00	44.87 0.88 0.00	62.21 1.69 0.00	75.62 2.06 0.00	59.22 1.33 0.00	46.02 0.55 0.00	41.40 0.21 0.00	42.08 0.21 0.00	39.40 0.39 0.00	42.36 0.46 0.00	41.89 0.13 0.00	43.13 0.43 0.00	48.02 0.66 0.00	53.78 1.11 0.00	60.70 1.65 0.00	66.96 1.95 0.00	57.18 1.56 0.00	54.47 1.17 0.00	49.57 1.16 0.00	45.09 0.88 0.00
RAMAPO___LBMP 323565	47.45 1.20 0.00	40.86 0.84 0.00	39.36 0.73 0.00	39.80 0.74 0.00	40.44 0.72 0.00	45.00 1.01 0.00	62.03 1.51 0.00	75.55 1.99 0.00	59.57 1.68 0.00	46.88 1.41 0.00	42.64 1.44 0.00	43.47 1.59 0.00	40.49 1.48 0.00	43.49 1.59 0.00	43.39 1.63 0.00	44.50 1.79 0.00	49.25 1.89 0.00	54.73 2.05 0.00	61.23 2.18 0.00	67.41 2.41 0.00	57.57 1.95 0.00	54.90 1.60 0.00	49.86 1.45 0.00	45.53 1.33 0.00
RANKINE___ 23646	43.24 -3.01 0.00	36.62 -3.40 0.00	35.38 -3.24 0.00	35.54 -3.51 0.00	35.95 -3.77 0.00	39.28 -4.71 0.00	41.59 -6.29 12.64	46.67 -7.58 19.31	42.22 -6.25 9.42	29.93 -4.77 10.76	26.82 -4.20 10.17	27.13 -4.48 10.27	25.03 -4.41 9.57	24.03 -4.86 13.01	23.99 -4.89 12.89	19.31 -5.08 18.32	20.17 -5.68 21.50	23.94 -6.32 22.41	29.02 -6.91 23.12	29.63 -7.54 27.83	29.45 -6.45 19.72	24.90 -6.24 22.16	23.31 -5.86 19.24	27.53 -5.57 11.11
RAVENSWOOD_GT2_1 24244	48.00 1.76 0.00	41.22 1.20 0.00	39.70 1.08 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 2.00 0.00	76.29 2.72 0.00	60.21 2.32 0.00	47.43 1.96 0.00	43.26 2.06 0.00	44.14 2.26 0.00	41.11 2.11 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.92 2.56 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.13 2.50 0.00	55.43 2.13 0.00	50.39 1.98 0.00	46.07 1.86 0.00

RAVENSWOOD_GT_9 24257	48.00 1.76 0.00	41.22 1.20 0.00	39.70 1.08 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 2.00 0.00	76.29 2.72 0.00	60.21 2.32 0.00	47.43 1.96 0.00	43.26 2.06 0.00	44.14 2.26 0.00	41.11 2.11 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.92 2.56 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.13 2.50 0.00	55.43 2.13 0.00	50.39 1.98 0.00	46.07 1.86 0.00
RAVENSWOOD___1 23533	48.23 1.99 0.00	41.30 1.28 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.51 2.95 0.00	60.15 2.26 0.00	47.47 2.00 0.00	43.38 2.18 0.00	44.22 2.34 0.00	41.15 2.14 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.82 2.78 0.00	68.00 2.99 0.00	58.07 2.44 0.00	55.43 2.13 0.00	50.44 2.03 0.00	46.15 1.94 0.00
RAVENSWOOD___2 23534	48.23 1.99 0.00	41.30 1.28 0.00	39.70 1.08 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.49 1.50 0.00	62.39 1.88 0.00	76.51 2.95 0.00	60.15 2.26 0.00	47.47 2.00 0.00	43.38 2.18 0.00	44.22 2.34 0.00	41.15 2.14 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.27 2.56 0.00	49.96 2.60 0.00	55.41 2.74 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.07 2.44 0.00	55.37 2.08 0.00	50.39 1.99 0.00	46.11 1.90 0.00
RAVENSWOOD___3 23535	48.00 1.76 0.00	41.26 1.24 0.00	39.67 1.04 0.00	40.22 1.17 0.00	40.84 1.11 0.00	45.44 1.45 0.00	62.51 1.99 0.00	76.58 3.02 0.00	60.21 2.32 0.00	47.43 1.95 0.00	43.26 2.06 0.00	44.09 2.22 0.00	41.07 2.07 0.00	44.16 2.26 0.00	44.10 2.34 0.00	45.18 2.48 0.00	49.91 2.56 0.00	55.41 2.74 0.00	61.88 2.83 0.00	68.13 3.12 0.00	58.13 2.51 0.00	55.43 2.13 0.00	50.39 1.99 0.00	46.07 1.86 0.00
RAVENSWOOD___4 23820	48.19 1.94 0.00	41.30 1.28 0.00	39.70 1.08 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.44 1.45 0.00	62.39 1.88 0.00	76.43 2.87 0.00	60.15 2.26 0.00	47.43 1.95 0.00	43.34 2.14 0.00	44.18 2.30 0.00	41.15 2.14 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.27 2.56 0.00	49.91 2.56 0.00	55.36 2.68 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.01 2.39 0.00	55.37 2.08 0.00	50.39 1.99 0.00	46.11 1.90 0.00
RCPI_TRUST___DRP 24196	48.19 1.94 0.00	41.42 1.40 0.00	39.86 1.24 0.00	40.38 1.33 0.00	41.04 1.31 0.00	45.71 1.72 0.00	62.94 2.42 0.00	76.80 3.24 0.00	60.61 2.72 0.00	47.74 2.27 0.00	43.54 2.35 0.00	44.43 2.55 0.00	41.39 2.38 0.00	44.46 2.56 0.00	44.39 2.63 0.00	45.44 2.73 0.00	50.25 2.89 0.00	55.78 3.11 0.00	62.30 3.25 0.00	68.58 3.58 0.00	58.52 2.89 0.00	55.75 2.45 0.00	50.63 2.23 0.00	46.24 2.03 0.00
RED___ROCHESTER 323720	45.09 -1.15 0.00	38.50 -1.52 0.00	37.19 -1.43 0.00	37.45 -1.60 0.00	38.18 -1.55 0.00	42.23 -1.76 0.00	60.49 -2.60 -2.57	73.82 -3.68 -3.94	55.54 -2.55 -2.20	43.43 -2.05 0.00	39.64 -1.57 0.00	40.25 -1.63 0.00	37.38 -1.64 0.00	41.07 -1.88 -1.06	40.95 -1.84 -1.03	39.09 -1.88 1.73	48.17 -2.03 -2.85	46.95 -2.32 3.40	57.15 -2.30 -0.41	62.96 -2.54 -0.48	53.49 -2.28 -0.15	53.86 -2.08 -2.64	40.59 -2.13 5.68	42.62 -2.12 -0.53
REGAN___SOLAR 323812	48.55 2.31 0.00	41.94 1.92 0.00	40.51 1.89 0.00	40.97 1.91 0.00	41.71 1.99 0.00	46.36 2.37 0.00	64.15 3.63 0.00	77.90 4.34 0.00	60.09 2.20 0.00	46.29 0.82 0.00	41.69 0.50 0.00	42.54 0.67 0.00	39.98 0.98 0.00	43.07 1.17 0.00	42.85 1.08 0.00	43.99 1.28 0.00	49.01 1.66 0.00	54.94 2.26 0.00	62.41 3.36 0.00	69.04 4.03 0.00	58.91 3.28 0.00	56.17 2.88 0.00	51.07 2.66 0.00	46.42 2.21 0.00
RENSSELAER___COGEN 23796	46.94 0.69 0.00	40.66 0.64 0.00	39.24 0.62 0.00	39.72 0.66 0.00	40.33 0.60 0.00	44.74 0.75 0.00	61.66 1.15 0.00	75.04 1.47 0.00	59.05 1.16 0.00	46.29 0.82 0.00	41.77 0.58 0.00	42.50 0.63 0.00	39.63 0.62 0.00	42.61 0.71 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.45 1.09 0.00	53.94 1.26 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.53 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
REPUBLIC_115KV_BARTNBRK 55605	48.37 2.13 0.00	41.78 1.76 0.00	40.48 1.85 0.00	40.93 1.87 0.00	41.60 1.87 0.00	46.28 2.29 0.00	64.39 3.87 0.00	78.20 4.63 0.00	60.90 3.01 0.00	46.93 1.46 0.00	42.06 0.87 0.00	42.71 0.84 0.00	40.02 1.01 0.00	43.03 1.13 0.00	42.68 0.92 0.00	44.07 1.37 0.00	49.16 1.80 0.00	55.05 2.37 0.00	62.36 3.31 0.00	69.04 4.03 0.00	58.85 3.23 0.00	55.91 2.61 0.00	50.97 2.57 0.00	46.24 2.03 0.00
REVERE_CPPR_DRP 24186	47.45 1.20 0.00	41.28 1.04 -0.22	40.13 1.08 -0.43	40.19 1.13 -0.01	41.42 1.27 -0.42	45.53 1.54 0.00	63.28 1.94 -0.83	78.17 2.65 -1.96	59.63 1.74 0.00	46.47 1.00 0.00	42.10 0.91 0.00	42.63 0.75 0.00	39.79 0.78 0.00	42.78 0.88 0.00	42.60 0.84 0.00	43.56 0.85 0.00	48.35 0.99 0.00	53.94 1.26 0.00	60.47 1.42 0.00	66.83 1.82 0.00	57.13 1.50 0.00	54.84 1.55 0.00	49.81 1.40 0.00	45.40 1.19 0.00
REYNLDPA_13_KV_LD 356490	46.80 0.56 0.00	40.53 0.88 0.38	38.75 0.85 0.72	39.90 0.86 0.01	39.93 0.91 0.72	44.87 0.88 0.00	59.59 0.48 1.41	70.76 0.52 3.32	58.06 0.17 0.00	46.20 0.73 0.00	41.85 0.66 0.00	42.54 0.67 0.00	39.63 0.62 0.00	42.49 0.59 0.00	42.43 0.67 0.00	42.92 0.21 0.00	47.55 0.19 0.00	52.52 -0.16 0.00	58.46 -0.59 0.00	64.03 -0.97 0.00	54.85 -0.78 0.00	53.41 0.11 0.00	48.79 0.39 0.00	44.65 0.44 0.00
REYNOLDS_115KV_TB3 80639	46.75 0.51 0.00	40.54 0.52 0.00	39.12 0.50 0.00	39.60 0.55 0.00	40.21 0.48 0.00	44.56 0.57 0.00	61.48 0.97 0.00	74.67 1.10 0.00	58.93 1.04 0.00	46.20 0.73 0.00	41.65 0.45 0.00	42.42 0.54 0.00	39.52 0.51 0.00	42.53 0.63 0.00	42.35 0.58 0.00	43.47 0.77 0.00	48.35 0.99 0.00	53.83 1.16 0.00	60.41 1.36 0.00	66.57 1.56 0.00	57.02 1.39 0.00	54.42 1.12 0.00	49.47 1.06 0.00	45.14 0.93 0.00
RIVERBAY___ 323610	48.88 2.64 0.00	41.86 1.84 0.00	40.24 1.62 0.00	40.85 1.80 0.00	41.52 1.79 0.00	45.97 1.98 0.00	62.88 2.36 0.00	76.65 3.09 0.00	60.49 2.61 0.00	47.74 2.27 0.00	43.54 2.35 0.00	44.51 2.64 0.00	41.39 2.38 0.00	44.46 2.56 0.00	44.35 2.59 0.00	45.40 2.69 0.00	50.10 2.75 0.00	55.63 2.95 0.00	62.06 3.01 0.00	68.32 3.32 0.00	58.35 2.73 0.00	55.70 2.40 0.00	50.88 2.47 0.00	46.64 2.43 0.00
RIVERSDE_115KV_TB3 55908	46.94 0.69 0.00	40.66 0.64 0.00	39.28 0.66 0.00	39.72 0.66 0.00	40.32 0.60 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.11 1.22 0.00	46.34 0.86 0.00	41.77 0.58 0.00	42.55 0.67 0.00	39.63 0.62 0.00	42.66 0.75 0.00	42.47 0.71 0.00	43.60 0.90 0.00	48.49 1.14 0.00	53.99 1.32 0.00	60.58 1.54 0.00	66.76 1.76 0.00	57.18 1.56 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00

ROARING___BROOK_WT_PWR 323790	46.20 -0.05 0.00	40.01 0.04 0.05	38.56 0.04 0.10	39.09 0.04 0.00	39.67 0.04 0.10	44.03 0.04 0.00	60.33 0.00 0.19	73.12 0.00 0.44	57.83 -0.06 0.00	45.47 0.00 0.00	41.20 0.00 0.00	41.88 0.00 0.00	39.01 0.00 0.00	41.86 -0.04 0.00	41.72 -0.04 0.00	42.58 -0.13 0.00	47.22 -0.14 0.00	52.47 -0.21 0.00	58.81 -0.24 0.00	64.68 -0.32 0.00	55.35 -0.28 0.00	53.14 -0.16 0.00	48.31 -0.10 0.00	44.12 -0.09 0.00
ROCHESRG_115KV_T4 355643	44.53 -1.71 0.00	38.10 -1.92 0.00	36.77 -1.85 0.00	37.06 -1.99 0.00	37.74 -1.99 0.00	41.70 -2.29 0.00	59.86 -2.97 -2.31	73.56 -3.53 -3.53	54.65 -3.42 -0.18	42.88 -2.59 0.00	39.10 -2.10 0.00	39.66 -2.22 0.00	36.82 -2.18 0.00	40.38 -2.43 -0.91	40.26 -2.38 -0.88	38.34 -2.48 1.89	47.04 -2.65 -2.33	46.11 -3.06 3.51	55.98 -3.13 -0.06	61.60 -3.45 -0.04	52.52 -3.00 0.10	52.62 -2.82 -2.15	40.07 -2.76 5.58	42.00 -2.65 -0.44
ROCHESTER_9_IC 23652	44.86 -1.39 0.00	38.34 -1.68 0.00	37.00 -1.62 0.00	37.30 -1.76 0.00	37.98 -1.75 0.00	42.01 -1.98 0.00	60.63 -2.48 -2.59	74.58 -2.94 -3.96	55.08 -3.01 -0.20	43.20 -2.27 0.00	39.43 -1.77 0.00	39.99 -1.88 0.00	37.14 -1.87 0.00	40.87 -2.10 -1.07	40.75 -2.05 -1.03	38.85 -2.14 1.73	47.96 -2.27 -2.88	46.64 -2.63 3.40	56.82 -2.66 -0.43	62.59 -2.93 -0.51	53.23 -2.56 -0.16	53.57 -2.40 -2.67	40.34 -2.37 5.69	42.40 -2.34 -0.54
ROCKVIEW_13_KV_LD 356306	47.95 1.71 0.00	41.26 1.24 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.84 1.11 0.00	45.49 1.50 0.00	62.63 2.12 0.00	76.43 2.87 0.00	60.26 2.37 0.00	47.43 1.96 0.00	43.22 2.02 0.00	44.09 2.22 0.00	41.04 2.03 0.00	44.12 2.22 0.00	44.02 2.26 0.00	45.14 2.43 0.00	49.92 2.56 0.00	55.41 2.74 0.00	61.94 2.89 0.00	68.19 3.19 0.00	58.29 2.67 0.00	55.54 2.24 0.00	50.39 1.98 0.00	46.07 1.86 0.00
ROME____115KV_TB2 80656	47.45 1.20 0.00	41.28 1.04 -0.22	40.13 1.08 -0.43	40.19 1.13 -0.01	41.42 1.27 -0.42	45.53 1.54 0.00	63.28 1.94 -0.83	78.17 2.65 -1.96	59.63 1.74 0.00	46.47 1.00 0.00	42.10 0.91 0.00	42.63 0.75 0.00	39.79 0.78 0.00	42.78 0.88 0.00	42.60 0.84 0.00	43.56 0.85 0.00	48.35 0.99 0.00	53.94 1.26 0.00	60.47 1.42 0.00	66.83 1.82 0.00	57.13 1.50 0.00	54.84 1.55 0.00	49.81 1.40 0.00	45.40 1.19 0.00
ROSETON___1 23587	47.35 1.11 0.00	40.78 0.76 0.00	39.28 0.66 0.00	39.76 0.70 0.00	40.40 0.67 0.00	44.92 0.93 0.00	61.85 1.33 0.00	75.62 2.06 0.00	59.45 1.56 0.00	46.74 1.27 0.00	42.48 1.28 0.00	43.26 1.38 0.00	40.29 1.29 0.00	43.33 1.43 0.00	43.22 1.46 0.00	44.33 1.62 0.00	49.11 1.75 0.00	54.57 1.89 0.00	61.06 2.01 0.00	67.22 2.21 0.00	57.46 1.83 0.00	54.79 1.49 0.00	49.76 1.35 0.00	45.44 1.24 0.00
ROSETON___2 23588	47.35 1.11 0.00	40.78 0.76 0.00	39.28 0.66 0.00	39.76 0.70 0.00	40.40 0.67 0.00	44.92 0.93 0.00	61.85 1.33 0.00	75.62 2.06 0.00	59.45 1.56 0.00	46.74 1.27 0.00	42.48 1.28 0.00	43.26 1.38 0.00	40.29 1.29 0.00	43.33 1.43 0.00	43.22 1.46 0.00	44.33 1.62 0.00	49.11 1.75 0.00	54.57 1.89 0.00	61.06 2.01 0.00	67.22 2.21 0.00	57.46 1.83 0.00	54.79 1.49 0.00	49.76 1.35 0.00	45.44 1.24 0.00
ROTRDAM_115KV_TB3 80664	46.84 0.60 0.00	40.50 0.48 0.00	39.09 0.46 0.00	39.56 0.51 0.00	40.21 0.48 0.00	44.61 0.62 0.00	61.48 0.97 0.00	74.74 1.18 0.00	58.76 0.87 0.00	45.97 0.50 0.00	41.53 0.33 0.00	42.29 0.42 0.00	39.44 0.43 0.00	42.40 0.50 0.00	42.26 0.50 0.00	43.35 0.64 0.00	48.16 0.81 0.00	53.62 0.95 0.00	60.17 1.12 0.00	66.31 1.30 0.00	56.74 1.11 0.00	54.20 0.91 0.00	49.28 0.87 0.00	44.96 0.75 0.00
RUSSELL___1 23602	45.09 -1.16 0.00	38.50 -1.52 0.00	37.15 -1.47 0.00	37.45 -1.60 0.00	38.18 -1.55 0.00	42.23 -1.76 0.00	60.91 -2.18 -2.57	74.93 -2.57 -3.94	55.37 -2.72 -0.20	43.43 -2.05 0.00	39.63 -1.57 0.00	40.25 -1.63 0.00	37.33 -1.68 0.00	41.07 -1.89 -1.06	40.95 -1.84 -1.03	39.09 -1.88 1.73	48.17 -2.04 -2.85	46.95 -2.32 3.40	57.15 -2.30 -0.41	62.96 -2.54 -0.49	53.49 -2.28 -0.15	53.86 -2.08 -2.64	40.59 -2.13 5.68	42.62 -2.12 -0.53
RUSSELL___2 23532	45.09 -1.16 0.00	38.50 -1.52 0.00	37.15 -1.47 0.00	37.45 -1.60 0.00	38.18 -1.55 0.00	42.23 -1.76 0.00	60.91 -2.18 -2.57	74.93 -2.57 -3.94	55.37 -2.72 -0.20	43.43 -2.05 0.00	39.63 -1.57 0.00	40.25 -1.63 0.00	37.33 -1.68 0.00	41.07 -1.89 -1.06	40.95 -1.84 -1.03	39.09 -1.88 1.73	48.17 -2.04 -2.85	46.95 -2.32 3.40	57.15 -2.30 -0.41	62.96 -2.54 -0.49	53.49 -2.28 -0.15	53.86 -2.08 -2.64	40.59 -2.13 5.68	42.62 -2.12 -0.53
RUSSELL___3 23549	45.09 -1.16 0.00	38.50 -1.52 0.00	37.15 -1.47 0.00	37.45 -1.60 0.00	38.18 -1.55 0.00	42.23 -1.76 0.00	60.91 -2.18 -2.57	74.93 -2.57 -3.94	55.37 -2.72 -0.20	43.43 -2.05 0.00	39.63 -1.57 0.00	40.25 -1.63 0.00	37.33 -1.68 0.00	41.07 -1.89 -1.06	40.95 -1.84 -1.03	39.09 -1.88 1.73	48.17 -2.04 -2.85	46.95 -2.32 3.40	57.15 -2.30 -0.41	62.96 -2.54 -0.49	53.49 -2.28 -0.15	53.86 -2.08 -2.64	40.59 -2.13 5.68	42.62 -2.12 -0.53
RUSSELL___4 23556	45.09 -1.16 0.00	38.50 -1.52 0.00	37.15 -1.47 0.00	37.45 -1.60 0.00	38.18 -1.55 0.00	42.23 -1.76 0.00	60.91 -2.18 -2.57	74.93 -2.57 -3.94	55.37 -2.72 -0.20	43.43 -2.05 0.00	39.63 -1.57 0.00	40.25 -1.63 0.00	37.33 -1.68 0.00	41.07 -1.89 -1.06	40.95 -1.84 -1.03	39.09 -1.88 1.73	48.17 -2.04 -2.85	46.95 -2.32 3.40	57.15 -2.30 -0.41	62.96 -2.54 -0.49	53.49 -2.28 -0.15	53.86 -2.08 -2.64	40.59 -2.13 5.68	42.62 -2.12 -0.53
RUSSELL___STATION 23914	45.09 -1.16 0.00	38.50 -1.52 0.00	37.15 -1.47 0.00	37.45 -1.60 0.00	38.18 -1.55 0.00	42.23 -1.76 0.00	60.91 -2.18 -2.57	74.93 -2.57 -3.94	55.37 -2.72 -0.20	43.43 -2.05 0.00	39.63 -1.57 0.00	40.25 -1.63 0.00	37.33 -1.68 0.00	41.07 -1.89 -1.06	40.95 -1.84 -1.03	39.09 -1.88 1.73	48.17 -2.04 -2.85	46.95 -2.32 3.40	57.15 -2.30 -0.41	62.96 -2.54 -0.49	53.49 -2.28 -0.15	53.86 -2.08 -2.64	40.59 -2.13 5.68	42.62 -2.12 -0.53
S SALMON___HYD 24043	46.24 0.00 0.00	40.44 0.00 -0.42	39.50 0.08 -0.80	39.22 0.16 -0.01	40.84 0.32 -0.79	44.52 0.53 0.00	62.68 0.61 -1.56	78.20 0.95 -3.68	58.18 0.29 0.00	45.24 -0.23 0.00	40.91 -0.29 0.00	41.42 -0.46 0.00	38.58 -0.43 0.00	41.44 -0.46 0.00	41.26 -0.50 0.00	42.15 -0.56 0.00	46.84 -0.52 0.00	52.36 -0.31 0.00	58.87 -0.18 0.00	65.20 0.20 0.00	55.79 0.17 0.00	53.72 0.42 0.00	48.70 0.29 0.00	44.39 0.18 0.00
S.PERRY__115KV_TB1 80734	46.06 -0.18 0.00	39.38 -0.64 0.00	37.97 -0.66 0.00	38.31 -0.74 0.00	39.05 -0.68 0.00	43.20 -0.79 0.00	111.19 -0.73 -51.40	150.80 -1.32 -78.56	83.98 -2.08 -28.17	74.40 -2.00 -30.93	68.61 -1.81 -29.22	69.28 -2.09 -29.50	64.16 -2.34 -27.49	67.26 -2.68 -28.04	67.03 -2.71 -27.99	48.23 -2.48 -8.00	63.81 -2.37 -18.82	56.43 -2.32 -6.07	77.14 -1.89 -19.98	81.82 -1.63 -18.44	75.97 -1.39 -21.73	74.78 -1.23 -22.70	48.55 -1.50 -1.64	68.26 -1.64 -25.69

SAWYER_23_KV_LOAD_REV_LBMP_A 345024	42.64 -3.61 0.00	36.10 -3.92 0.00	34.84 -3.78 0.00	34.99 -4.06 0.00	35.44 -4.29 0.00	38.67 -5.32 0.00	40.66 -7.20 12.65	45.62 -8.61 19.34	41.50 -7.24 9.15	29.62 -5.41 10.44	26.55 -4.78 9.87	26.85 -5.07 9.96	24.81 -4.92 9.29	23.70 -5.41 12.79	23.70 -5.39 12.67	18.95 -5.64 18.12	19.32 -6.25 21.79	23.68 -6.95 22.04	28.27 -7.62 23.17	28.82 -8.32 27.87	28.75 -7.12 19.76	24.04 -6.82 22.44	23.37 -6.39 18.64	26.97 -6.01 11.22
SAWYER__23_KV_LOAD 55526	42.64 -3.61 0.00	36.10 -3.92 0.00	34.84 -3.78 0.00	34.99 -4.06 0.00	35.44 -4.29 0.00	38.67 -5.32 0.00	40.66 -7.20 12.65	45.62 -8.61 19.34	41.50 -7.24 9.15	29.62 -5.41 10.44	26.55 -4.78 9.87	26.85 -5.07 9.96	24.81 -4.92 9.29	23.70 -5.41 12.79	23.70 -5.39 12.67	18.95 -5.64 18.12	19.32 -6.25 21.79	23.68 -6.95 22.04	28.27 -7.62 23.17	28.82 -8.32 27.87	28.75 -7.12 19.76	24.04 -6.82 22.44	23.37 -6.39 18.64	26.97 -6.01 11.22
SELKIRK__I 23801	47.22 0.97 0.00	40.90 0.88 0.00	39.47 0.85 0.00	39.91 0.86 0.00	40.56 0.84 0.00	44.96 0.97 0.00	61.97 1.45 0.00	75.26 1.69 0.00	59.05 1.16 0.00	46.24 0.77 0.00	41.73 0.53 0.00	42.46 0.59 0.00	39.63 0.62 0.00	42.61 0.71 0.00	42.43 0.67 0.00	43.56 0.85 0.00	48.45 1.09 0.00	53.94 1.26 0.00	60.58 1.53 0.00	66.76 1.76 0.00	57.13 1.50 0.00	54.58 1.28 0.00	49.66 1.26 0.00	45.31 1.11 0.00
SELKIRK__II 23799	46.84 0.60 0.00	40.54 0.52 0.00	39.12 0.50 0.00	39.60 0.55 0.00	40.21 0.48 0.00	44.61 0.62 0.00	61.42 0.91 0.00	74.74 1.17 0.00	58.81 0.92 0.00	46.11 0.64 0.00	41.69 0.50 0.00	42.42 0.54 0.00	39.55 0.55 0.00	42.53 0.63 0.00	42.35 0.58 0.00	43.48 0.77 0.00	48.26 0.90 0.00	53.73 1.05 0.00	60.29 1.24 0.00	66.38 1.37 0.00	56.85 1.22 0.00	54.31 1.01 0.00	49.32 0.92 0.00	45.05 0.84 0.00
SENECA OSWGO__HYD 24041	45.41 -0.83 0.00	39.31 -0.84 -0.13	38.05 -0.81 -0.24	38.23 -0.82 0.00	39.17 -0.79 -0.24	43.15 -0.84 0.00	59.90 -1.09 -0.47	73.28 -1.40 -1.11	56.85 -1.04 0.00	44.56 -0.91 0.00	40.37 -0.82 0.00	40.99 -0.88 0.00	38.15 -0.86 0.00	41.02 -0.88 0.00	40.84 -0.92 0.00	41.81 -0.90 0.00	46.41 -0.95 0.00	51.67 -1.00 0.00	58.04 -1.00 0.00	63.97 -1.04 0.00	54.73 -0.89 0.00	52.44 -0.85 0.00	47.54 -0.87 0.00	43.32 -0.88 0.00
SENECA__115KV_TB3 355854	43.28 -2.96 0.00	36.66 -3.36 0.00	35.49 -3.13 0.00	35.58 -3.48 0.00	35.99 -3.74 0.00	39.33 -4.66 0.00	40.98 -6.90 12.64	45.05 -9.20 19.31	42.40 -6.08 9.42	30.02 -4.68 10.76	26.82 -4.20 10.17	27.21 -4.40 10.27	25.07 -4.37 9.57	24.08 -4.82 13.01	24.03 -4.84 12.89	19.35 -5.04 18.32	20.22 -5.64 21.51	23.99 -6.27 22.41	29.08 -6.85 23.12	29.71 -7.47 27.83	29.46 -6.45 19.72	24.91 -6.24 22.16	23.30 -5.86 19.24	27.58 -5.53 11.10
SENECA__ENERGY 23797	45.74 -0.51 0.00	39.34 -0.68 0.00	37.97 -0.66 0.00	38.31 -0.74 0.00	39.05 -0.68 0.00	43.28 -0.71 0.00	63.33 -1.15 -3.96	77.94 -1.69 -6.06	58.72 -1.22 -2.05	46.61 -1.09 -2.23	42.44 -0.87 -2.11	43.08 -0.92 -2.13	39.98 -1.01 -1.98	42.79 -1.13 -2.02	42.61 -1.17 -2.02	41.69 -1.07 -0.05	47.47 -1.14 -1.25	51.16 -1.16 0.35	58.93 -1.18 -1.06	64.62 -1.24 -0.85	55.86 -1.00 -1.24	53.79 -1.01 -1.50	46.54 -1.02 0.85	44.82 -1.15 -1.76
SHOEMAKER__GT 23640	47.40 1.16 0.00	40.82 0.80 0.00	39.32 0.70 0.00	39.83 0.78 0.00	40.48 0.75 0.00	45.00 1.01 0.00	61.97 1.45 0.00	75.55 1.99 0.00	59.34 1.45 0.00	46.61 1.14 0.00	42.31 1.11 0.00	43.09 1.22 0.00	40.14 1.13 0.00	43.16 1.26 0.00	43.06 1.30 0.00	44.11 1.41 0.00	48.87 1.52 0.00	54.41 1.74 0.00	60.94 1.89 0.00	67.15 2.14 0.00	57.35 1.73 0.00	54.74 1.44 0.00	49.76 1.35 0.00	45.44 1.24 0.00
SHOEMAKR_138KV_BK 111 55601	47.35 1.11 0.00	40.82 0.80 0.00	39.32 0.70 0.00	39.80 0.74 0.00	40.44 0.72 0.00	44.96 0.97 0.00	61.97 1.45 0.00	75.33 1.77 0.00	59.34 1.45 0.00	46.65 1.18 0.00	42.35 1.15 0.00	43.13 1.26 0.00	40.18 1.17 0.00	43.16 1.26 0.00	43.06 1.29 0.00	44.16 1.45 0.00	48.87 1.52 0.00	54.41 1.74 0.00	60.94 1.89 0.00	67.15 2.15 0.00	57.35 1.72 0.00	54.74 1.44 0.00	49.71 1.31 0.00	45.45 1.24 0.00
SHOREHAM_IC_1 23715	49.06 2.82 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.89 1.84 0.00	41.71 1.99 0.00	46.58 2.59 0.00	63.36 2.84 0.00	76.65 3.09 0.00	60.32 2.43 0.00	48.20 2.73 0.00	44.16 2.97 0.00	44.85 2.65 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.54 4.49 -0.01	72.04 4.88 -2.15	59.86 4.23 -0.01	57.15 3.84 -0.01	51.46 3.05 0.00	47.17 2.96 0.00
SHOREHAM_IC_2 23716	49.06 2.82 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.89 1.84 0.00	41.71 1.99 0.00	46.58 2.59 0.00	63.36 2.84 0.00	76.65 3.09 0.00	60.32 2.43 0.00	48.20 2.73 0.00	44.16 2.97 0.00	44.85 2.65 0.00	41.66 2.65 0.00	44.96 3.06 -0.01	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.54 4.49 -0.01	72.04 4.88 -2.15	59.86 4.23 -0.01	57.15 3.84 -0.01	51.46 3.05 0.00	47.17 2.96 0.00
SISSONVILLE__ 23735	46.61 0.37 0.00	43.25 0.80 -2.43	44.12 0.81 -4.69	39.98 0.86 -0.07	45.35 0.99 -4.63	44.74 0.75 0.00	69.93 0.30 -9.12	95.59 0.51 -21.51	57.72 -0.17 0.00	45.61 0.14 0.00	41.24 0.04 0.00	41.75 -0.13 0.00	38.97 -0.04 0.00	41.78 -0.13 0.00	41.68 -0.08 0.00	42.07 -0.64 0.00	46.51 -0.85 0.00	51.52 -1.16 0.00	57.75 -1.30 0.00	63.25 -1.76 0.00	54.23 -1.39 0.00	52.82 -0.48 0.00	48.36 -0.05 0.00	44.52 0.31 0.00
SITHE_IND_GS1 24169	45.00 -1.25 0.00	38.86 -1.16 0.00	37.50 -1.12 0.00	37.88 -1.17 0.00	38.58 -1.15 0.00	42.67 -1.32 0.00	58.70 -1.81 0.00	71.28 -2.28 0.00	56.15 -1.74 0.00	44.11 -1.36 0.00	40.00 -1.20 0.00	40.62 -1.26 0.00	37.80 -1.21 0.00	40.60 -1.30 0.00	40.47 -1.29 0.00	41.43 -1.28 0.00	45.94 -1.42 0.00	51.15 -1.53 0.00	57.33 -1.71 0.00	63.19 -1.82 0.00	54.07 -1.56 0.00	51.81 -1.49 0.00	46.96 -1.45 0.00	42.88 -1.33 0.00
SITHE_IND_GS2 24170	45.00 -1.25 0.00	38.86 -1.16 0.00	37.50 -1.12 0.00	37.88 -1.17 0.00	38.58 -1.15 0.00	42.67 -1.32 0.00	58.70 -1.81 0.00	71.28 -2.28 0.00	56.15 -1.74 0.00	44.11 -1.36 0.00	40.00 -1.20 0.00	40.62 -1.26 0.00	37.80 -1.21 0.00	40.60 -1.30 0.00	40.47 -1.29 0.00	41.43 -1.28 0.00	45.94 -1.42 0.00	51.15 -1.53 0.00	57.33 -1.71 0.00	63.19 -1.82 0.00	54.07 -1.56 0.00	51.81 -1.49 0.00	46.96 -1.45 0.00	42.88 -1.33 0.00
SITHE_IND_GS3 24171	45.00 -1.25 0.00	38.86 -1.16 0.00	37.50 -1.12 0.00	37.88 -1.17 0.00	38.58 -1.15 0.00	42.67 -1.32 0.00	58.70 -1.81 0.00	71.28 -2.28 0.00	56.15 -1.74 0.00	44.11 -1.36 0.00	40.00 -1.20 0.00	40.62 -1.26 0.00	37.80 -1.21 0.00	40.60 -1.30 0.00	40.47 -1.29 0.00	41.43 -1.28 0.00	45.94 -1.42 0.00	51.15 -1.53 0.00	57.33 -1.71 0.00	63.19 -1.82 0.00	54.07 -1.56 0.00	51.81 -1.49 0.00	46.96 -1.45 0.00	42.88 -1.33 0.00

SITHE_IND_GS4 24172	45.00 -1.25 0.00	38.86 -1.16 0.00	37.50 -1.12 0.00	37.88 -1.17 0.00	38.58 -1.15 0.00	42.67 -1.32 0.00	58.70 -1.81 0.00	71.28 -2.28 0.00	56.15 -1.74 0.00	44.11 -1.36 0.00	40.00 -1.20 0.00	40.62 -1.26 0.00	37.80 -1.21 0.00	40.60 -1.30 0.00	40.47 -1.29 0.00	41.43 -1.28 0.00	45.94 -1.42 0.00	51.15 -1.53 0.00	57.33 -1.71 0.00	63.19 -1.82 0.00	54.07 -1.56 0.00	51.81 -1.49 0.00	46.96 -1.45 0.00	42.88 -1.33 0.00
SITHE__BATAVIA 24024	43.98 -2.26 0.00	37.30 -2.72 0.00	36.07 -2.55 0.00	36.20 -2.85 0.00	36.83 -2.90 0.00	40.47 -3.52 0.00	50.46 -4.78 5.27	58.22 -7.28 8.06	48.49 -4.63 4.77	36.21 -3.73 5.53	32.84 -3.13 5.23	33.25 -3.35 5.28	30.73 -3.35 4.92	17.98 -3.73 20.20	18.32 -3.72 19.72	4.79 -3.84 34.07	-18.33 -4.17 61.52	31.79 -4.69 16.20	37.28 -4.78 16.99	38.85 -5.20 20.96	37.13 -4.50 13.99	32.25 -4.21 16.83	31.18 -4.07 13.16	33.47 -3.89 6.84
SITHE__INDEPEND 23800	44.99 -1.25 0.00	38.86 -1.16 0.00	37.50 -1.12 0.00	37.88 -1.17 0.00	38.58 -1.15 0.00	42.67 -1.32 0.00	58.82 -1.69 0.00	71.43 -2.13 0.00	56.15 -1.74 0.00	44.11 -1.36 0.00	40.00 -1.19 0.00	40.62 -1.26 0.00	37.80 -1.21 0.00	40.60 -1.30 0.00	40.47 -1.29 0.00	41.42 -1.28 0.00	45.94 -1.42 0.00	51.10 -1.58 0.00	57.34 -1.71 0.00	63.19 -1.82 0.00	54.07 -1.56 0.00	51.81 -1.49 0.00	46.95 -1.45 0.00	42.84 -1.37 0.00
SITHE__MASSENA 23902	46.98 0.74 0.00	44.61 1.08 -3.51	46.42 1.04 -6.76	40.21 1.05 -0.10	47.55 1.15 -6.67	45.09 1.10 0.00	74.93 1.27 -13.15	106.05 1.47 -31.02	58.64 0.75 0.00	46.29 0.82 0.00	41.90 0.70 0.00	42.59 0.71 0.00	39.63 0.62 0.00	42.49 0.59 0.00	42.47 0.71 0.00	42.88 0.17 0.00	47.50 0.14 0.00	52.57 -0.11 0.00	58.99 -0.06 0.00	64.62 -0.39 0.00	55.35 -0.28 0.00	53.62 0.32 0.00	48.94 0.53 0.00	44.83 0.62 0.00
SITHE__OGDNSBRG 24021	47.54 1.29 0.00	44.47 1.60 -2.85	45.70 1.58 -5.49	40.74 1.60 -0.08	46.90 1.75 -5.42	45.71 1.72 0.00	72.89 1.69 -10.68	100.90 2.13 -25.20	58.82 0.93 0.00	46.29 0.82 0.00	41.81 0.62 0.00	42.34 0.46 0.00	39.48 0.47 0.00	42.36 0.46 0.00	42.31 0.54 0.00	42.75 0.04 0.00	47.41 0.05 0.00	52.62 -0.05 0.00	59.23 0.18 0.00	65.01 0.00 0.00	55.74 0.11 0.00	54.15 0.85 0.00	49.47 1.06 0.00	45.45 1.24 0.00
SITHE__STERLING 23777	47.17 0.92 0.00	40.89 0.72 -0.15	39.64 0.73 -0.28	39.84 0.78 0.00	40.88 0.87 -0.28	45.04 1.05 0.00	62.40 1.33 -0.55	76.63 1.76 -1.30	59.11 1.22 0.00	46.15 0.68 0.00	41.82 0.62 0.00	42.38 0.50 0.00	39.51 0.51 0.00	42.49 0.59 0.00	42.35 0.58 0.00	43.35 0.64 0.00	48.11 0.76 0.00	53.67 1.00 0.00	60.17 1.12 0.00	66.50 1.50 0.00	56.85 1.22 0.00	54.47 1.17 0.00	49.42 1.02 0.00	45.09 0.88 0.00
SLEIGHT__34_KV_TB1 80719	45.27 -0.97 0.00	38.82 -1.20 0.00	37.42 -1.20 0.00	37.80 -1.25 0.00	38.50 -1.23 0.00	42.67 -1.32 0.00	61.30 -1.51 -2.30	75.24 -1.84 -3.52	56.16 -1.91 -0.18	43.93 -1.55 0.00	40.04 -1.15 0.00	40.62 -1.26 0.00	37.72 -1.29 0.00	41.02 -1.42 -0.54	40.82 -1.46 -0.52	40.35 -1.45 0.90	47.24 -1.56 -1.45	49.17 -1.74 1.77	57.53 -1.71 -0.19	63.35 -1.89 -0.23	54.08 -1.61 -0.06	53.15 -1.49 -1.34	43.87 -1.60 2.93	42.89 -1.59 -0.27
SMITHTWN_69_KV_BK 1 55830	49.06 2.82 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.89 1.84 0.00	41.71 1.99 0.00	46.54 2.55 0.00	63.42 2.90 0.00	76.80 3.24 0.00	60.73 2.84 0.00	48.24 2.77 0.00	44.16 2.97 0.00	45.06 3.18 0.00	41.90 2.89 0.00	45.04 3.14 0.00	45.11 3.34 -0.01	46.26 3.54 -0.01	51.16 3.79 -0.01	56.74 4.06 -0.01	63.55 4.49 -0.01	72.17 5.01 -2.16	59.81 4.17 -0.01	57.04 3.73 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
SOUTH CAIRO__GT 23612	48.37 2.13 0.00	41.86 1.84 0.00	40.40 1.78 0.00	40.93 1.87 0.00	41.60 1.87 0.00	46.10 2.11 0.00	63.96 3.45 0.00	76.95 3.38 0.00	60.21 2.32 0.00	46.70 1.23 0.00	41.94 0.74 0.00	42.67 0.80 0.00	39.75 0.74 0.00	42.78 0.88 0.00	42.64 0.88 0.00	43.86 1.15 0.00	48.87 1.52 0.00	54.78 2.11 0.00	61.82 2.78 0.00	68.26 3.25 0.00	58.35 2.73 0.00	55.70 2.40 0.00	50.78 2.37 0.00	46.37 2.17 0.00
SOUTH HAMPTN__IC 23720	49.16 2.92 0.00	42.30 2.28 0.00	40.59 1.97 0.00	40.93 1.87 0.00	41.79 2.06 0.00	46.76 2.77 0.00	63.72 3.21 0.00	77.31 3.75 0.00	60.84 2.95 0.00	48.56 3.09 0.00	44.53 3.34 0.00	45.18 3.31 0.00	41.94 2.93 0.00	45.21 3.31 -0.01	45.20 3.43 -0.01	46.43 3.71 4.02	51.39 4.02 -0.01	56.90 4.22 -0.01	63.84 4.78 -0.01	72.42 5.26 -2.15	60.09 4.45 -0.01	57.36 4.05 -0.01	51.55 3.14 0.00	47.26 3.05 0.00
SOUTHDOW_115KV_TB1 355954	44.49 -1.76 0.00	37.74 -2.28 0.00	36.42 -2.20 0.00	36.51 -2.54 0.00	36.95 -2.78 0.00	40.38 -3.61 0.00	43.74 -4.66 12.11	49.02 -6.03 18.52	44.16 -5.21 8.52	31.61 -4.18 9.67	28.10 -3.95 9.14	28.46 -4.19 9.23	26.12 -4.29 8.60	25.40 -4.73 11.77	25.26 -4.84 11.66	21.19 -5.12 16.39	24.13 -5.78 17.45	25.69 -6.32 20.66	32.92 -6.91 19.22	33.77 -7.48 23.76	29.15 -6.51 15.94	23.68 -6.45 17.70	30.90 -5.84 18.57	7.48
SOUTHOLD_69_KV_BK 2 55809	49.16 2.91 0.00	42.34 2.32 0.00	40.67 2.05 0.00	40.97 1.91 0.00	41.87 2.15 0.00	46.89 2.90 0.00	64.15 3.63 0.00	77.54 3.97 0.00	61.65 3.76 0.00	48.97 3.50 0.00	44.90 3.71 0.00	45.73 3.85 0.00	42.32 3.32 0.00	45.38 3.48 0.00	45.36 3.59 -0.01	46.56 3.84 -0.01	51.58 4.21 -0.01	57.11 4.42 -0.01	64.14 5.08 -0.01	72.81 5.66 -2.15	60.31 4.67 -0.01	57.52 4.21 -0.01	51.65 3.24 0.00	47.30 3.09 0.00
SOUTHOLD__IC 23719	49.16 2.92 0.00	42.34 2.32 0.00	40.63 2.01 0.00	40.97 1.91 0.00	41.87 2.14 0.00	46.89 2.90 0.00	64.08 3.57 0.00	77.90 4.34 0.00	61.36 3.47 0.00	48.97 3.50 0.00	44.95 3.75 0.00	45.52 3.64 0.00	42.17 3.16 0.00	45.38 3.48 0.00	45.36 3.59 -0.01	46.56 3.85 -0.01	51.58 4.21 -0.01	57.11 4.43 -0.01	64.14 5.08 -0.01	72.81 5.65 -2.15	60.31 4.67 -0.01	57.52 4.21 -0.01	51.65 3.24 0.00	47.30 3.09 0.00
SOUTH_FORK_WT_PWR 323839	48.74 2.50 0.00	41.98 1.96 0.00	40.28 1.66 0.00	40.62 1.56 0.00	41.52 1.79 0.00	46.54 2.55 0.00	63.72 3.21 0.00	77.61 4.04 0.00	61.25 3.36 0.00	48.88 3.41 0.00	44.86 3.67 0.00	45.43 3.56 0.00	42.05 3.04 0.00	45.17 3.27 0.00	45.07 3.30 -0.01	46.26 3.54 -0.01	51.25 3.88 -0.01	56.64 3.95 -0.01	63.60 4.55 -0.01	72.16 5.01 -2.15	59.81 4.17 -0.01	57.04 3.73 -0.01	51.21 2.81 0.00	46.91 2.70 0.00
SPIERFLS_115KV_TB 1 80737	46.80 0.55 0.00	40.46 0.44 0.00	39.12 0.50 0.00	39.56 0.51 0.00	40.21 0.48 0.00	44.65 0.66 0.00	61.85 1.33 0.00	75.26 1.69 0.00	58.99 1.10 0.00	45.83 0.36 0.00	41.24 0.04 0.00	41.92 0.04 0.00	39.24 0.23 0.00	42.20 0.29 0.00	41.72 -0.04 0.00	42.92 0.21 0.00	47.78 0.43 0.00	53.57 0.90 0.00	60.41 1.36 0.00	66.63 1.63 0.00	56.90 1.28 0.00	54.20 0.91 0.00	49.33 0.92 0.00	44.92 0.71 0.00

ST LAWRENCE____ 23600	46.34 0.09 0.00	40.05 0.36 0.33	38.37 0.39 0.63	39.39 0.35 0.01	39.54 0.44 0.63	44.34 0.35 0.00	59.80 0.37 1.09	71.53 0.37 2.40	57.95 0.06 0.00	45.70 0.23 0.00	41.40 0.21 0.00	42.04 0.17 0.00	39.17 0.16 0.00	42.03 0.13 0.00	41.89 0.13 0.00	42.54 -0.17 0.00	47.08 -0.28 0.00	52.20 -0.48 0.00	58.40 -0.65 0.00	64.10 -0.91 0.00	54.90 -0.72 0.00	52.98 -0.32 0.00	48.26 -0.14 0.00	44.16 -0.04 0.00
STATE_CA_115KV_115_LB 55624	47.17 0.92 0.00	40.90 0.88 0.00	39.47 0.85 0.00	39.91 0.86 0.00	40.56 0.83 0.00	44.96 0.97 0.00	62.09 1.57 0.00	75.40 1.84 0.00	59.39 1.51 0.00	46.52 1.05 0.00	41.98 0.78 0.00	42.75 0.88 0.00	39.83 0.82 0.00	42.87 0.96 0.00	42.68 0.92 0.00	43.82 1.11 0.00	48.73 1.37 0.00	54.20 1.53 0.00	60.88 1.83 0.00	67.09 2.08 0.00	57.40 1.78 0.00	54.79 1.49 0.00	49.81 1.40 0.00	45.40 1.19 0.00
STATE_ST_34_KV_LOAD 55959	46.24 0.00 0.00	39.82 -0.20 0.00	38.39 -0.23 0.00	38.82 -0.23 0.00	39.53 -0.20 0.00	43.86 -0.13 0.00	62.78 0.00 -2.27	76.96 -0.07 -3.47	58.86 -0.17 -1.14	46.39 -0.32 -1.24	42.16 -0.21 -1.17	42.76 -0.29 -1.18	39.80 -0.31 -1.10	42.65 -0.38 -1.12	42.46 -0.42 -1.12	44.66 -0.34 -2.30	47.72 -0.33 -0.69	55.80 -0.26 -3.39	60.59 -0.12 -1.66	67.21 0.00 -2.20	57.00 0.06 -1.32	53.99 0.00 -0.70	52.24 -0.15 -3.98	44.00 -0.31 -0.10
STATION_5_MISC_HYD 23604	44.86 -1.39 0.00	38.34 -1.68 0.00	37.04 -1.59 0.00	37.30 -1.76 0.00	37.98 -1.75 0.00	42.01 -1.98 0.00	60.26 -2.84 -2.59	73.48 -4.05 -3.96	55.25 -2.84 -0.20	43.25 -2.23 0.00	39.43 -1.77 0.00	40.04 -1.84 0.00	37.14 -1.87 0.00	40.87 -2.09 -1.07	40.75 -2.05 -1.03	38.85 -2.13 1.73	47.96 -2.27 -2.88	46.64 -2.63 3.40	56.82 -2.66 -0.43	62.59 -2.92 -0.51	53.23 -2.56 -0.16	53.57 -2.40 -2.67	40.35 -2.37 5.69	42.45 -2.30 -0.54
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	45.41 -0.83 0.00	38.94 -1.08 0.00	37.54 -1.08 0.00	37.88 -1.17 0.00	38.62 -1.11 0.00	42.76 -1.23 0.00	62.31 -1.51 -3.31	76.71 -1.91 -5.05	56.18 -1.97 -0.25	43.93 -1.55 0.00	40.04 -1.15 0.00	40.58 -1.30 0.00	37.68 -1.33 0.00	41.03 -1.47 -0.59	40.87 -1.46 -0.57	38.80 -1.45 2.46	46.99 -1.52 -1.14	46.84 -1.74 4.10	56.49 -1.71 0.85	61.96 -1.89 1.16	53.24 -1.61 0.77	52.77 -1.55 -1.02	41.10 -1.55 5.75	42.85 -1.59 -0.23
STA_56_34_KV_BUS2_REV_LBMP_B 345033	44.67 -1.57 0.00	38.22 -1.80 0.00	36.85 -1.78 0.00	37.18 -1.87 0.00	37.86 -1.87 0.00	41.88 -2.11 0.00	60.42 -2.66 -2.57	74.32 -3.16 -3.92	54.96 -3.13 -0.20	43.11 -2.36 0.00	39.30 -1.90 0.00	39.91 -1.97 0.00	37.06 -1.95 0.00	40.68 -2.18 -0.96	40.52 -2.17 -0.93	38.73 -2.18 1.80	47.50 -2.37 -2.51	46.51 -2.74 3.42	56.48 -2.78 -0.20	62.11 -3.12 -0.22	52.90 -2.73 0.00	53.06 -2.56 -2.32	40.39 -2.47 5.55	42.25 -2.43 -0.47
STA_56____34_KV_BUS2 355983	44.67 -1.57 0.00	38.22 -1.80 0.00	36.85 -1.78 0.00	37.18 -1.87 0.00	37.86 -1.87 0.00	41.88 -2.11 0.00	60.42 -2.66 -2.57	74.32 -3.16 -3.92	54.96 -3.13 -0.20	43.11 -2.36 0.00	39.30 -1.90 0.00	39.91 -1.97 0.00	37.06 -1.95 0.00	40.68 -2.18 -0.96	40.52 -2.17 -0.93	38.73 -2.18 1.80	47.50 -2.37 -2.51	46.51 -2.74 3.42	56.48 -2.78 -0.20	62.11 -3.12 -0.22	52.90 -2.73 0.00	53.06 -2.56 -2.32	40.39 -2.47 5.55	42.25 -2.43 -0.47
STA_67____115KV_BK2 355882	44.76 -1.48 0.00	38.30 -1.72 0.00	36.92 -1.70 0.00	37.22 -1.84 0.00	37.90 -1.83 0.00	41.92 -2.07 0.00	60.50 -2.60 -2.58	74.35 -3.16 -3.95	54.96 -3.13 -0.20	43.11 -2.36 0.00	39.35 -1.85 0.00	39.91 -1.97 0.00	37.06 -1.95 0.00	40.78 -2.18 -1.06	40.62 -2.17 -1.03	38.76 -2.22 1.73	47.81 -2.42 -2.86	46.53 -2.74 3.40	56.69 -2.78 -0.42	62.45 -3.06 -0.50	53.11 -2.67 -0.15	53.44 -2.51 -2.65	40.25 -2.47 5.69	42.31 -2.43 -0.54
STA_7____115KV_9TRANS 80674	45.09 -1.16 0.00	38.50 -1.52 0.00	37.15 -1.47 0.00	37.45 -1.60 0.00	38.18 -1.55 0.00	42.23 -1.76 0.00	60.91 -2.18 -2.57	74.93 -2.57 -3.94	55.37 -2.72 -0.20	43.43 -2.05 0.00	39.63 -1.57 0.00	40.25 -1.63 0.00	37.33 -1.68 0.00	41.07 -1.89 -1.06	40.95 -1.84 -1.03	39.09 -1.88 1.73	48.17 -2.04 -2.85	46.95 -2.32 3.40	57.15 -2.30 -0.41	62.96 -2.54 -0.49	53.49 -2.28 -0.15	53.86 -2.08 -2.64	40.59 -2.13 5.68	42.62 -2.12 -0.53
STA_82____115KV_TB1 80780	44.72 -1.53 0.00	38.26 -1.76 0.00	36.88 -1.74 0.00	37.22 -1.84 0.00	37.90 -1.83 0.00	41.88 -2.11 0.00	60.52 -2.66 -2.67	74.48 -3.16 -4.08	54.91 -3.18 -0.20	43.07 -2.41 0.00	39.26 -1.94 0.00	39.87 -2.01 0.00	36.98 -2.03 0.00	40.78 -2.22 -1.10	40.62 -2.21 -1.07	38.75 -2.26 1.69	47.89 -2.46 -3.00	46.51 -2.79 3.38	56.72 -2.83 -0.50	62.50 -3.12 -0.61	53.12 -2.73 -0.22	53.52 -2.56 -2.78	40.17 -2.52 5.72	42.29 -2.48 -0.56
STEEL____WIND 323596	43.24 -3.01 0.00	36.62 -3.40 0.00	35.46 -3.17 0.00	35.54 -3.51 0.00	35.95 -3.78 0.00	39.28 -4.71 0.00	40.92 -6.96 12.64	44.98 -9.27 19.31	42.34 -6.14 9.42	29.98 -4.73 10.76	26.78 -4.24 10.17	27.13 -4.48 10.27	25.03 -4.41 9.57	24.04 -4.86 13.01	23.99 -4.89 12.89	20.12 -5.13 18.32	20.12 -5.73 21.51	23.89 -6.38 22.41	28.96 -6.97 23.12	29.57 -7.61 27.83	29.40 -6.51 19.72	24.85 -6.29 22.16	23.26 -5.91 19.24	27.53 -5.57 11.10
STEPHTWN_115KV_BK_2 55603	47.45 1.20 0.00	41.10 1.08 0.00	39.66 1.04 0.00	40.15 1.09 0.00	40.76 1.03 0.00	45.27 1.28 0.00	62.51 2.00 0.00	75.92 2.35 0.00	59.80 1.91 0.00	46.74 1.27 0.00	42.14 0.95 0.00	42.88 1.01 0.00	39.98 0.98 0.00	43.03 1.13 0.00	42.85 1.09 0.00	44.03 1.32 0.00	48.97 1.61 0.00	54.52 1.84 0.00	61.23 2.18 0.00	67.54 2.54 0.00	57.74 2.11 0.00	55.06 1.76 0.00	50.10 1.69 0.00	45.67 1.46 0.00
STEBEN_REC_LFGE 323667	44.67 -1.57 0.00	38.38 -1.64 0.00	37.12 -1.51 0.00	37.57 -1.48 0.00	38.22 -1.51 0.00	42.19 -1.80 0.00	93.55 -2.30 -35.33	124.26 -3.31 -54.00	76.25 -3.18 -21.55	66.56 -2.96 -24.04	61.11 -2.80 -22.72	61.42 -3.39 -22.93	56.48 -3.90 -21.37	58.01 -4.73 -20.84	57.79 -4.80 -20.83	27.05 -4.44 11.22	47.13 -4.74 -4.51	28.20 -4.95 19.52	53.51 -5.26 0.28	54.02 -5.40 5.59	54.74 -4.56 -3.67	56.01 -4.37 -7.08	19.01 -4.26 25.14	55.39 -4.11 -15.29
STILLWATER____SOLAR 323814	47.22 0.97 0.00	40.86 0.84 0.00	39.47 0.85 0.00	39.91 0.86 0.00	40.56 0.84 0.00	45.00 1.01 0.00	62.21 1.69 0.00	75.77 2.20 0.00	59.39 1.50 0.00	46.29 0.82 0.00	41.73 0.53 0.00	42.42 0.54 0.00	39.67 0.66 0.00	42.66 0.76 0.00	42.47 0.71 0.00	43.64 0.94 0.00	48.59 1.23 0.00	54.15 1.47 0.00	60.94 1.89 0.00	67.22 2.21 0.00	57.46 1.83 0.00	54.79 1.49 0.00	49.81 1.40 0.00	45.40 1.19 0.00
STONY____BROOK 24151	49.02 2.77 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.89 1.84 0.00	41.67 1.95 0.00	46.54 2.55 0.00	63.30 2.79 0.00	77.10 3.53 0.00	60.55 2.66 0.00	48.20 2.73 0.00	44.16 2.97 0.00	44.85 2.97 0.00	41.70 2.69 0.00	45.00 3.10 0.00	45.07 3.30 -0.01	46.26 3.54 -0.01	51.11 3.74 -0.01	56.69 4.00 -0.01	63.49 4.43 -0.01	72.10 4.94 -2.16	59.75 4.12 -0.01	56.98 3.67 -0.01	51.36 2.95 0.00	47.17 2.96 0.00

STURGEON_POOL_HYD 23609	47.58 1.34 0.00	40.94 0.92 0.00	39.43 0.81 0.00	39.95 0.90 0.00	40.56 0.83 0.00	45.09 1.10 0.00	62.27 1.75 0.00	75.55 1.99 0.00	59.57 1.68 0.00	46.74 1.27 0.00	42.43 1.24 0.00	43.30 1.42 0.00	40.30 1.29 0.00	43.28 1.38 0.00	43.18 1.42 0.00	44.29 1.58 0.00	49.02 1.66 0.00	54.57 1.90 0.00	61.12 2.07 0.00	67.28 2.28 0.00	57.46 1.84 0.00	54.84 1.55 0.00	49.86 1.45 0.00	45.62 1.41 0.00
ST_LAW_115_BK7_LBMP 345037	46.34 0.09 0.00	40.05 0.40 0.38	38.32 0.43 0.72	39.43 0.39 0.01	39.49 0.48 0.72	44.38 0.40 0.00	59.47 0.37 1.41	70.61 0.37 3.32	57.95 0.06 0.00	45.70 0.23 0.00	41.40 0.21 0.00	42.04 0.17 0.00	39.17 0.16 0.00	42.03 0.13 0.00	41.93 0.17 0.00	42.49 -0.21 0.00	47.03 -0.33 0.00	52.15 -0.53 0.00	58.34 -0.71 0.00	63.97 -1.04 0.00	54.85 -0.78 0.00	52.93 -0.37 0.00	48.26 -0.14 0.00	44.21 0.00 0.00
ST_LAW_115_BK8_LBMP 345038	46.34 0.09 0.00	40.05 0.40 0.38	38.32 0.43 0.72	39.43 0.39 0.01	39.49 0.48 0.72	44.38 0.40 0.00	59.47 0.37 1.41	70.61 0.37 3.32	57.95 0.06 0.00	45.70 0.23 0.00	41.40 0.21 0.00	42.04 0.17 0.00	39.17 0.16 0.00	42.03 0.13 0.00	41.93 0.17 0.00	42.49 -0.21 0.00	47.03 -0.33 0.00	52.15 -0.53 0.00	58.34 -0.71 0.00	63.97 -1.04 0.00	54.85 -0.78 0.00	52.93 -0.37 0.00	48.26 -0.14 0.00	44.21 0.00 0.00
ST_LAW_230_BK5_LBMP 345035	46.34 0.09 0.00	40.14 0.36 0.24	38.54 0.39 0.47	39.40 0.35 0.01	39.70 0.44 0.46	44.34 0.35 0.00	59.97 0.37 0.91	71.79 0.37 2.14	57.95 0.06 0.00	45.70 0.23 0.00	41.40 0.21 0.00	42.04 0.17 0.00	39.17 0.16 0.00	42.03 0.13 0.00	41.89 0.13 0.00	42.54 -0.17 0.00	47.08 -0.28 0.00	52.20 -0.48 0.00	58.40 -0.65 0.00	64.10 -0.91 0.00	54.90 -0.72 0.00	52.98 -0.32 0.00	48.26 -0.14 0.00	44.16 -0.04 0.00
ST_LAW_230_BK6_LBMP 345036	46.34 0.09 0.00	40.14 0.36 0.24	38.54 0.39 0.47	39.40 0.35 0.01	39.70 0.44 0.46	44.34 0.35 0.00	59.97 0.37 0.91	71.79 0.37 2.14	57.95 0.06 0.00	45.70 0.23 0.00	41.40 0.21 0.00	42.04 0.17 0.00	39.17 0.16 0.00	42.03 0.13 0.00	41.89 0.13 0.00	42.54 -0.17 0.00	47.08 -0.28 0.00	52.20 -0.48 0.00	58.40 -0.65 0.00	64.10 -0.91 0.00	54.90 -0.72 0.00	52.98 -0.32 0.00	48.26 -0.14 0.00	44.16 -0.04 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	47.45 1.20 0.00	40.86 0.84 0.00	39.36 0.73 0.00	39.83 0.78 0.00	40.48 0.75 0.00	45.05 1.06 0.00	62.09 1.57 0.00	75.55 1.99 0.00	59.57 1.68 0.00	46.79 1.32 0.00	42.51 1.32 0.00	43.34 1.47 0.00	40.37 1.37 0.00	43.37 1.47 0.00	43.27 1.50 0.00	44.37 1.67 0.00	49.11 1.75 0.00	54.62 1.95 0.00	61.12 2.07 0.00	67.35 2.34 0.00	57.52 1.89 0.00	54.84 1.55 0.00	49.86 1.45 0.00	45.53 1.33 0.00
SWANROAD_115KV_TB1 355699	41.67 -4.58 0.00	35.22 -4.80 0.00	33.99 -4.63 0.00	34.13 -4.92 0.00	34.56 -5.16 0.00	37.74 -6.25 0.00	41.96 -8.59 9.97	48.03 -10.30 15.23	42.17 -8.45 7.27	31.15 -6.09 8.23	28.15 -5.27 7.77	28.46 -5.57 7.85	26.31 -5.38 7.31	24.81 -5.91 11.18	24.86 -5.85 11.06	19.60 -6.19 16.92	19.11 -6.82 21.43	24.61 -7.69 20.37	28.81 -8.38 21.86	29.15 -9.17 26.69	29.54 -7.84 18.24	24.16 -7.41 21.73	25.05 -6.87 16.49	28.27 -6.37 9.57
SYNERGY__BIOGAS 323694	43.98 -2.27 0.00	37.30 -2.72 0.00	36.00 -2.63 0.00	36.20 -2.85 0.00	36.83 -2.90 0.00	40.47 -3.52 0.00	50.70 -4.54 5.27	59.99 -5.52 8.06	48.03 -5.09 4.77	36.16 -3.77 5.53	32.84 -3.13 5.23	33.21 -3.39 5.28	30.73 -3.35 4.92	17.98 -3.73 20.20	18.32 -3.72 19.72	4.80 -3.84 34.07	-18.33 -4.17 61.52	31.79 -4.69 16.20	37.28 -4.78 16.99	38.85 -5.20 20.96	37.13 -4.51 13.99	32.25 -4.21 16.84	31.18 -4.07 13.16	33.47 -3.89 6.84
SYRACUSE__ENERGY_ST1 323597	46.20 -0.05 0.00	39.92 -0.16 -0.06	38.54 -0.19 -0.11	38.86 -0.20 0.00	39.64 -0.20 -0.11	43.81 -0.18 0.00	60.66 -0.06 -0.21	73.91 -0.15 -0.49	57.72 -0.17 0.00	45.29 -0.18 0.00	41.07 -0.12 0.00	41.71 -0.17 0.00	38.81 -0.20 0.00	41.69 -0.21 0.00	41.51 -0.25 0.00	42.49 -0.21 0.00	47.17 -0.19 0.00	52.46 -0.21 0.00	58.87 -0.18 0.00	64.88 -0.13 0.00	55.51 -0.11 0.00	53.19 -0.11 0.00	48.21 -0.19 0.00	43.94 -0.27 0.00
SYRACUSE__ENERGY_ST2 323598	46.20 -0.05 0.00	39.92 -0.16 -0.06	38.54 -0.19 -0.11	38.86 -0.20 0.00	39.64 -0.20 -0.11	43.81 -0.18 0.00	60.66 -0.06 -0.21	73.91 -0.15 -0.49	57.72 -0.17 0.00	45.29 -0.18 0.00	41.07 -0.12 0.00	41.71 -0.17 0.00	38.81 -0.20 0.00	41.69 -0.21 0.00	41.51 -0.25 0.00	42.49 -0.21 0.00	47.17 -0.19 0.00	52.46 -0.21 0.00	58.87 -0.18 0.00	64.88 -0.13 0.00	55.51 -0.11 0.00	53.19 -0.11 0.00	48.21 -0.19 0.00	43.94 -0.27 0.00
SYRACUSE__POWER 24017	46.10 -0.14 0.00	39.80 -0.28 -0.06	38.46 -0.27 -0.11	38.74 -0.31 0.00	39.52 -0.32 -0.11	43.73 -0.26 0.00	60.54 -0.18 -0.21	73.76 -0.29 -0.49	57.60 -0.29 0.00	45.20 -0.27 0.00	40.99 -0.21 0.00	41.62 -0.25 0.00	38.74 -0.27 0.00	41.61 -0.29 0.00	41.43 -0.33 0.00	44.02 -0.30 -1.61	47.56 -0.28 -0.48	54.68 -0.37 -2.38	59.92 -0.30 -1.17	66.30 -0.26 -1.55	56.33 -0.22 -0.92	53.57 -0.21 -0.49	50.86 -0.34 -2.79	43.88 -0.40 -0.07
TALLMAN__138KV_BK151 55660	47.54 1.29 0.00	40.94 0.92 0.00	39.39 0.77 0.00	39.87 0.82 0.00	40.52 0.79 0.00	45.09 1.10 0.00	62.15 1.63 0.00	75.70 2.13 0.00	59.74 1.85 0.00	46.97 1.50 0.00	42.72 1.52 0.00	43.59 1.72 0.00	40.57 1.56 0.00	43.62 1.72 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.35 1.99 0.00	54.83 2.16 0.00	61.35 2.30 0.00	67.61 2.60 0.00	57.68 2.06 0.00	55.00 1.71 0.00	49.96 1.55 0.00	45.62 1.41 0.00
TEALLAVE_115KV_TB7 355573	45.97 -0.28 0.00	39.72 -0.36 -0.06	38.36 -0.39 -0.12	38.66 -0.39 0.00	39.45 -0.40 -0.12	43.59 -0.40 0.00	60.38 -0.36 -0.23	73.67 -0.44 -0.55	57.48 -0.41 0.00	45.11 -0.36 0.00	40.91 -0.29 0.00	41.54 -0.34 0.00	38.66 -0.35 0.00	41.52 -0.38 0.00	41.39 -0.38 0.00	42.36 -0.34 0.00	46.98 -0.38 0.00	52.15 -0.53 0.00	58.52 -0.53 0.00	64.49 -0.52 0.00	55.18 -0.44 0.00	52.82 -0.48 0.00	47.87 -0.53 0.00	43.63 -0.57 0.00
TELEGRAPH_34_KV_EAST 80808	43.01 -3.24 0.00	36.42 -3.60 0.00	35.15 -3.48 0.00	35.30 -3.75 0.00	35.84 -3.89 0.00	39.28 -4.71 0.00	46.99 -6.35 7.17	55.03 -7.58 10.96	45.52 -6.54 5.83	34.00 -4.77 6.70	30.79 -4.08 6.33	31.13 -4.36 6.39	28.80 -4.25 5.95	25.99 -4.69 11.22	26.04 -4.68 11.05	19.87 -4.87 17.97	16.57 -5.35 25.43	20.57 -6.00 26.10	20.25 -6.44 32.36	17.18 -7.02 40.81	24.04 -6.01 25.58	12.01 -5.70 35.58	26.46 -5.37 16.57	28.03 -5.04 11.14
TEMPLE__115KV_TB 2 55572	46.01 -0.23 0.00	39.72 -0.36 -0.06	38.39 -0.35 -0.12	38.66 -0.39 0.00	39.45 -0.40 -0.11	43.59 -0.40 0.00	60.38 -0.36 -0.23	73.66 -0.44 -0.53	57.48 -0.41 0.00	45.11 -0.36 0.00	40.95 -0.25 0.00	41.58 -0.29 0.00	38.70 -0.31 0.00	41.57 -0.34 0.00	41.39 -0.38 0.00	42.36 -0.34 0.00	47.03 -0.33 0.00	52.15 -0.53 0.00	58.52 -0.53 0.00	64.49 -0.52 0.00	55.18 -0.44 0.00	52.87 -0.43 0.00	47.92 -0.48 0.00	43.68 -0.53 0.00

TIANA___69_KV_BK 1 55817	49.20 2.96 0.00	42.34 2.32 0.00	40.67 2.05 0.00	40.97 1.91 0.00	41.83 2.11 0.00	46.76 2.77 0.00	63.72 3.21 0.00	76.80 3.24 0.00	60.96 3.07 0.00	48.47 3.00 0.00	44.45 3.25 0.00	45.27 3.39 0.00	42.01 3.00 0.00	45.17 3.27 0.00	45.20 3.42 -0.01	46.39 3.67 -0.01	51.39 4.03 -0.01	56.90 4.21 -0.01	63.84 4.78 -0.01	72.42 5.27 -2.15	60.08 4.45 -0.01	57.36 4.05 -0.01	51.60 3.19 0.00	47.30 3.09 0.00
TILDEN___115KV_TB1 80814	46.10 -0.14 0.00	39.80 -0.28 -0.06	38.46 -0.27 -0.11	38.74 -0.31 0.00	39.52 -0.32 -0.11	43.73 -0.26 0.00	60.54 -0.18 -0.21	73.76 -0.29 -0.49	57.60 -0.29 0.00	45.20 -0.27 0.00	40.99 -0.21 0.00	41.62 -0.25 0.00	38.74 -0.27 0.00	41.61 -0.29 0.00	41.43 -0.33 0.00	44.02 -0.30 -1.61	47.56 -0.28 -0.48	54.68 -0.37 -2.38	59.92 -0.30 -1.17	66.30 -0.26 -1.55	56.33 -0.22 -0.92	53.57 -0.21 -0.49	50.86 -0.34 -2.79	43.88 -0.40 -0.07
TRIGEN___CC 323695	48.37 2.13 0.00	41.62 1.60 0.00	40.01 1.39 0.00	40.38 1.33 0.00	41.16 1.43 0.00	45.84 1.85 0.00	62.57 2.06 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.61 2.14 0.00	43.50 2.31 0.00	44.43 2.55 0.00	41.35 2.34 0.00	44.46 2.56 0.00	44.41 2.63 -0.02	45.50 2.78 -0.02	50.21 2.84 -0.02	55.75 3.06 -0.02	62.19 3.13 -0.02	72.24 3.51 -3.72	58.59 2.95 -0.02	55.98 2.66 -0.02	50.68 2.28 0.00	46.46 2.25 0.00
TRINITY___115KV___4 BK 55933	46.94 0.69 0.00	40.70 0.68 0.00	39.28 0.66 0.00	39.72 0.66 0.00	40.36 0.64 0.00	44.74 0.75 0.00	61.73 1.21 0.00	74.96 1.40 0.00	59.11 1.22 0.00	46.34 0.86 0.00	41.81 0.62 0.00	42.55 0.67 0.00	39.67 0.66 0.00	42.66 0.75 0.00	42.51 0.75 0.00	43.65 0.94 0.00	48.49 1.14 0.00	53.99 1.32 0.00	60.58 1.54 0.00	66.76 1.76 0.00	57.18 1.56 0.00	54.52 1.23 0.00	49.57 1.16 0.00	45.23 1.02 0.00
UNION___PROCESSING_DRP 323587	44.76 -1.48 0.00	38.26 -1.76 0.00	36.92 -1.70 0.00	37.22 -1.84 0.00	37.90 -1.83 0.00	41.92 -2.07 0.00	60.38 -2.66 -2.52	74.26 -3.16 -3.86	54.96 -3.13 -0.19	43.07 -2.41 0.00	39.31 -1.90 0.00	39.87 -2.01 0.00	37.02 -1.99 0.00	40.82 -2.22 -1.14	40.66 -2.21 -1.11	38.82 -2.26 1.62	48.04 -2.46 -3.15	46.57 -2.79 3.31	56.83 -2.83 -0.62	62.64 -3.12 -0.76	53.20 -2.73 -0.30	53.66 -2.56 -2.92	40.18 -2.52 5.71	42.36 -2.43 -0.59
UPPER HUDSON___HYD 24058	46.80 0.56 0.00	40.46 0.44 0.00	39.12 0.50 0.00	39.56 0.51 0.00	40.21 0.48 0.00	44.65 0.66 0.00	61.85 1.33 0.00	75.40 1.84 0.00	58.93 1.04 0.00	45.83 0.36 0.00	41.28 0.08 0.00	41.92 0.04 0.00	39.28 0.27 0.00	42.20 0.30 0.00	41.72 -0.04 0.00	42.92 0.21 0.00	47.78 0.43 0.00	53.57 0.89 0.00	60.41 1.36 0.00	66.63 1.63 0.00	56.91 1.28 0.00	54.20 0.91 0.00	49.32 0.92 0.00	44.91 0.71 0.00
UPPER RAQUET___HYD 24056	46.61 0.37 0.00	43.25 0.80 -2.43	44.12 0.81 -4.69	39.98 0.86 -0.07	45.35 0.99 -4.63	44.74 0.75 0.00	70.11 0.48 -9.12	95.66 0.59 -21.51	57.72 -0.17 0.00	45.61 0.14 0.00	41.24 0.04 0.00	41.83 -0.04 0.00	38.97 -0.04 0.00	41.73 -0.17 0.00	41.68 -0.08 0.00	42.07 -0.64 0.00	46.51 -0.85 0.00	51.52 -1.16 0.00	57.75 -1.30 0.00	63.26 -1.75 0.00	54.24 -1.39 0.00	52.82 -0.48 0.00	48.36 -0.05 0.00	44.52 0.31 0.00
VALLEY44_115KV_TB2 355964	44.16 -2.08 0.00	37.54 -2.48 0.00	36.27 -2.36 0.00	36.44 -2.62 0.00	36.91 -2.82 0.00	40.51 -3.48 0.00	44.58 -4.42 11.51	50.23 -5.74 17.60	46.16 -3.99 7.74	33.69 -3.05 8.73	30.14 -2.80 8.25	30.49 -3.06 8.33	28.20 -3.04 7.77	27.69 -3.39 10.82	27.62 -3.42 10.72	23.26 -3.80 15.64	27.08 -4.21 16.07	28.12 -4.64 19.92	36.19 -5.02 17.84	37.32 -5.40 22.29	36.29 -4.73 14.60	32.59 -4.53 16.17	25.89 -4.36 18.16	33.82 -4.16 6.23
VALLEY___115KV_TB 1-4 80826	45.73 -0.51 0.00	39.73 -0.36 -0.07	38.48 -0.27 -0.13	38.86 -0.20 0.00	39.78 -0.08 -0.13	44.03 0.04 0.00	60.89 0.12 -0.25	74.46 0.29 -0.60	58.01 0.12 0.00	45.47 0.00 0.00	41.16 -0.04 0.00	41.75 -0.13 0.00	38.81 -0.20 0.00	41.61 -0.29 0.00	41.39 -0.38 0.00	42.36 -0.34 0.00	46.98 -0.38 0.00	52.25 -0.42 0.00	58.52 -0.53 0.00	64.42 -0.59 0.00	55.12 -0.50 0.00	52.82 -0.48 0.00	47.92 -0.48 0.00	43.77 -0.44 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	47.86 1.62 0.00	41.30 1.28 0.00	39.86 1.24 0.00	40.34 1.29 0.00	41.08 1.35 0.00	45.57 1.58 0.00	62.51 2.00 0.00	76.29 2.72 0.00	59.92 2.03 0.00	46.93 1.46 0.00	42.56 1.36 0.00	43.17 1.30 0.00	40.33 1.33 0.00	43.37 1.47 0.00	43.27 1.50 0.00	44.33 1.62 0.00	49.20 1.85 0.00	54.94 2.27 0.00	61.47 2.42 0.00	67.80 2.80 0.00	57.91 2.28 0.00	55.38 2.08 0.00	50.29 1.89 0.00	45.93 1.72 0.00
VISCHER___FERRY HYD 24020	46.71 0.46 0.00	40.50 0.48 0.00	39.09 0.47 0.00	39.56 0.51 0.00	40.17 0.44 0.00	44.56 0.57 0.00	61.54 1.03 0.00	74.96 1.39 0.00	58.99 1.10 0.00	46.11 0.64 0.00	41.52 0.33 0.00	42.29 0.42 0.00	39.48 0.47 0.00	42.44 0.54 0.00	42.27 0.50 0.00	43.39 0.68 0.00	48.30 0.95 0.00	53.89 1.21 0.00	60.53 1.48 0.00	66.70 1.69 0.00	57.13 1.50 0.00	54.47 1.17 0.00	49.52 1.11 0.00	45.14 0.93 0.00
V_A_10_SYNC_DSASP 323832	42.45 -3.79 0.00	36.02 -4.00 0.00	34.76 -3.86 0.00	34.95 -4.10 0.00	35.44 -4.29 0.00	38.84 -5.15 0.00	42.75 -7.02 10.75	48.75 -8.39 16.43	44.84 -7.29 5.75	33.71 -5.46 6.30	30.46 -4.78 5.96	30.84 -5.03 6.01	28.57 -4.84 5.60	27.69 -5.28 8.94	27.67 -5.26 8.83	23.07 -5.47 14.17	23.39 -6.06 17.90	28.77 -6.80 17.11	33.50 -7.38 18.17	34.55 -8.13 22.33	33.63 -6.95 15.04	28.62 -6.61 18.07	28.38 -6.20 13.83	30.89 -5.75 7.57
V_CMM_10_SYNC_DSASP 323787	46.57 0.32 0.00	40.29 0.64 0.38	38.52 0.62 0.72	39.67 0.62 0.01	39.73 0.72 0.72	44.61 0.62 0.00	59.41 0.30 1.41	70.61 0.37 3.32	58.01 0.12 0.00	45.97 0.50 0.00	41.61 0.41 0.00	42.25 0.38 0.00	39.40 0.39 0.00	42.28 0.38 0.00	42.18 0.42 0.00	42.71 0.00 0.00	47.26 -0.09 0.00	52.36 -0.32 0.00	58.46 -0.59 0.00	64.03 -0.98 0.00	54.85 -0.78 0.00	53.19 -0.11 0.00	48.50 0.10 0.00	44.43 0.22 0.00
V_CMP_10_SYNC_DSASP 323788	46.84 0.60 0.00	40.94 0.92 0.00	39.59 0.97 0.00	40.03 0.98 0.00	40.84 1.11 0.00	45.18 1.19 0.00	62.09 1.57 0.00	75.55 1.99 0.00	59.34 1.45 0.00	46.74 1.27 0.00	42.27 1.07 0.00	42.84 0.96 0.00	39.94 0.94 0.00	42.82 0.92 0.00	42.64 0.88 0.00	43.01 0.30 0.00	47.50 0.14 0.00	52.52 -0.16 0.00	58.87 -0.18 0.00	64.36 -0.65 0.00	55.18 -0.44 0.00	53.40 0.11 0.00	48.60 0.19 0.00	44.47 0.27 0.00
V_D_10_SYNC_DSASP 323841	46.98 0.74 0.00	44.62 1.08 -3.52	46.45 1.04 -6.79	40.21 1.05 -0.10	47.58 1.15 -6.70	45.09 1.10 0.00	74.81 1.09 -13.20	106.12 1.40 -31.16	58.64 0.75 0.00	46.29 0.82 0.00	41.90 0.70 0.00	42.50 0.63 0.00	39.63 0.62 0.00	42.53 0.63 0.00	42.47 0.71 0.00	42.92 0.21 0.00	47.50 0.14 0.00	52.57 -0.11 0.00	58.99 -0.06 0.00	64.62 -0.39 0.00	55.40 -0.22 0.00	53.62 0.32 0.00	48.94 0.53 0.00	44.83 0.62 0.00

V_E_10_SYNC_DSASP 323830	48.56 2.31 0.00	41.90 1.88 0.00	40.55 1.93 0.00	41.16 2.11 0.00	42.07 2.34 0.00	46.85 2.86 0.00	64.39 3.87 0.00	78.49 4.93 0.00	62.00 2.95 -1.16	48.59 1.64 -1.48	43.87 1.28 -1.40	44.21 0.92 -1.41	41.26 0.94 -1.32	44.21 0.96 -1.34	44.19 1.09 -1.34	54.44 1.28 -10.45	52.90 1.61 -3.93	70.32 2.53 -15.12	70.33 3.07 -8.21	79.18 3.64 -10.54	65.39 3.00 -6.76	60.09 2.66 -4.12	68.13 2.23 -17.49	47.76 1.95 -1.61
V_F_30_NSYNC_DSASP 323816	47.31 1.06 0.00	40.94 0.92 0.00	39.55 0.93 0.00	39.99 0.94 0.00	40.64 0.91 0.00	45.09 1.10 0.00	62.39 1.88 0.00	75.85 2.28 0.00	59.57 1.68 0.00	46.43 0.95 0.00	41.81 0.62 0.00	42.55 0.67 0.00	39.75 0.74 0.00	42.74 0.84 0.00	42.56 0.79 0.00	43.73 1.02 0.00	48.64 1.28 0.00	54.20 1.53 0.00	61.00 1.95 0.00	67.28 2.28 0.00	57.52 1.89 0.00	54.84 1.55 0.00	49.91 1.50 0.00	45.49 1.28 0.00
V_F_30_SYNC_DSASP 323786	47.17 0.92 0.00	40.86 0.84 0.00	39.47 0.85 0.00	39.91 0.86 0.00	40.56 0.83 0.00	44.96 0.97 0.00	62.09 1.57 0.00	75.40 1.84 0.00	59.39 1.51 0.00	46.52 1.05 0.00	41.98 0.78 0.00	42.75 0.88 0.00	39.83 0.82 0.00	42.87 0.96 0.00	42.68 0.92 0.00	43.82 1.11 0.00	48.73 1.37 0.00	54.20 1.53 0.00	60.88 1.83 0.00	67.09 2.08 0.00	57.40 1.78 0.00	54.74 1.44 0.00	49.81 1.40 0.00	45.40 1.19 0.00
V_XM_10_SYNC_DSASP 323789	46.84 0.60 0.00	40.94 0.92 0.00	39.59 0.97 0.00	40.03 0.98 0.00	40.84 1.11 0.00	45.18 1.19 0.00	62.09 1.57 0.00	75.55 1.99 0.00	59.34 1.45 0.00	46.74 1.27 0.00	42.27 1.07 0.00	42.84 0.96 0.00	39.94 0.94 0.00	42.82 0.92 0.00	42.64 0.88 0.00	43.01 0.30 0.00	47.50 0.14 0.00	52.52 -0.16 0.00	58.87 -0.18 0.00	64.36 -0.65 0.00	55.18 -0.44 0.00	53.40 0.11 0.00	48.60 0.19 0.00	44.47 0.27 0.00
W.BABYLN_69_KV_BK1 56697	49.16 2.91 0.00	42.30 2.28 0.00	40.63 2.01 0.00	40.97 1.91 0.00	41.79 2.07 0.00	46.59 2.60 0.00	63.48 2.97 0.00	77.10 3.53 0.00	60.90 3.01 0.00	48.29 2.82 0.00	44.20 3.01 0.00	45.14 3.27 0.00	41.93 2.93 0.00	45.09 3.18 0.00	45.11 3.34 -0.01	46.26 3.54 -0.01	51.11 3.74 -0.01	56.74 4.06 -0.01	63.49 4.43 -0.01	72.42 5.07 -2.34	59.81 4.17 -0.01	57.09 3.78 -0.01	51.46 3.05 0.00	47.21 3.01 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	47.68 1.43 0.00	41.06 1.04 0.00	39.51 0.89 0.00	39.99 0.94 0.00	40.64 0.91 0.00	45.22 1.23 0.00	62.39 1.88 0.00	75.92 2.35 0.00	59.92 2.03 0.00	47.11 1.64 0.00	42.84 1.65 0.00	43.68 1.80 0.00	40.69 1.68 0.00	43.70 1.80 0.00	43.64 1.88 0.00	44.71 2.01 0.00	49.49 2.13 0.00	54.99 2.32 0.00	61.53 2.48 0.00	67.80 2.80 0.00	57.85 2.22 0.00	55.16 1.87 0.00	50.10 1.69 0.00	45.76 1.55 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	48.00 1.76 0.00	41.26 1.24 0.00	39.70 1.08 0.00	40.22 1.17 0.00	40.88 1.15 0.00	45.49 1.50 0.00	62.63 2.12 0.00	76.36 2.80 0.00	60.26 2.37 0.00	47.52 2.05 0.00	43.30 2.10 0.00	44.18 2.30 0.00	41.15 2.15 0.00	44.21 2.30 0.00	44.14 2.38 0.00	45.23 2.52 0.00	49.96 2.60 0.00	55.47 2.79 0.00	61.94 2.89 0.00	68.19 3.19 0.00	58.24 2.61 0.00	55.48 2.19 0.00	50.44 2.03 0.00	46.07 1.86 0.00
W50THST__13_KV_LOAD 356117	48.23 1.99 0.00	41.42 1.40 0.00	39.90 1.27 0.00	40.42 1.37 0.00	41.08 1.35 0.00	45.71 1.72 0.00	62.94 2.42 0.00	76.88 3.31 0.00	60.67 2.78 0.00	47.79 2.32 0.00	43.59 2.39 0.00	44.47 2.60 0.00	41.39 2.38 0.00	44.50 2.60 0.00	44.39 2.63 0.00	45.48 2.78 0.00	50.25 2.89 0.00	55.78 3.11 0.00	62.30 3.25 0.00	68.58 3.58 0.00	58.52 2.89 0.00	55.75 2.45 0.00	50.63 2.23 0.00	46.29 2.08 0.00
WADING RIVER_IC_1 23522	49.02 2.77 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.85 1.80 0.00	41.67 1.95 0.00	46.58 2.59 0.00	63.36 2.84 0.00	76.58 3.02 0.00	60.26 2.37 0.00	48.20 2.73 0.00	44.16 2.97 0.00	44.85 2.97 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.54 4.49 -0.01	72.04 4.88 -2.15	59.81 4.17 -0.01	57.15 3.84 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
WADING RIVER_IC_2 23547	49.02 2.77 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.85 1.80 0.00	41.67 1.95 0.00	46.58 2.59 0.00	63.36 2.84 0.00	76.58 3.02 0.00	60.26 2.37 0.00	48.20 2.73 0.00	44.16 2.97 0.00	44.85 2.97 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.54 4.49 -0.01	72.04 4.88 -2.15	59.81 4.17 -0.01	57.15 3.84 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
WADING RIVER_IC_3 23601	49.02 2.77 0.00	42.22 2.20 0.00	40.51 1.89 0.00	40.85 1.80 0.00	41.67 1.95 0.00	46.58 2.59 0.00	63.36 2.84 0.00	76.58 3.02 0.00	60.26 2.37 0.00	48.20 2.73 0.00	44.16 2.97 0.00	44.85 2.97 0.00	41.66 2.65 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.54 4.49 -0.01	72.04 4.88 -2.15	59.81 4.17 -0.01	57.15 3.84 -0.01	51.41 3.00 0.00	47.17 2.96 0.00
WALDENNY_12_KV_BK2 80841	43.10 -3.14 0.00	36.54 -3.48 0.00	35.26 -3.36 0.00	35.42 -3.63 0.00	35.87 -3.85 0.00	39.19 -4.79 0.00	41.65 -6.48 12.39	46.90 -7.72 18.94	42.27 -6.43 9.19	30.16 -4.82 10.50	27.04 -4.24 9.92	27.34 -4.52 10.01	25.23 -4.45 9.33	24.25 -4.86 12.79	24.21 -4.89 12.67	19.45 -5.12 18.13	20.23 -5.73 21.40	24.15 -6.37 22.16	29.17 -6.97 22.91	29.78 -7.61 27.62	29.61 -6.51 19.51	24.98 -6.29 22.03	23.51 -5.95 18.95	27.67 -5.61 10.93
WALDEN__HYDRO 24148	47.68 1.43 0.00	41.02 1.00 0.00	39.55 0.93 0.00	40.03 0.98 0.00	40.64 0.91 0.00	45.22 1.23 0.00	62.39 1.88 0.00	75.85 2.28 0.00	59.74 1.85 0.00	46.93 1.46 0.00	42.60 1.40 0.00	43.42 1.55 0.00	40.45 1.44 0.00	43.45 1.55 0.00	43.35 1.59 0.00	44.46 1.75 0.00	49.20 1.85 0.00	54.78 2.11 0.00	61.35 2.30 0.00	67.61 2.60 0.00	57.74 2.11 0.00	55.06 1.76 0.00	50.00 1.60 0.00	45.71 1.50 0.00
WARRENSBURG____ 23737	46.80 0.55 0.00	40.46 0.44 0.00	39.12 0.50 0.00	39.56 0.51 0.00	40.21 0.48 0.00	44.65 0.66 0.00	61.85 1.33 0.00	75.26 1.69 0.00	58.99 1.10 0.00	45.83 0.36 0.00	41.24 0.04 0.00	41.92 0.04 0.00	39.24 0.23 0.00	42.20 0.29 0.00	41.72 -0.04 0.00	42.92 0.21 0.00	47.78 0.43 0.00	53.57 0.90 0.00	60.41 1.36 0.00	66.63 1.63 0.00	56.90 1.28 0.00	54.20 0.91 0.00	49.33 0.92 0.00	44.92 0.71 0.00
WATERSIDE____6 8 9 23538	48.19 1.94 0.00	41.30 1.28 0.00	39.74 1.12 0.00	40.26 1.21 0.00	40.92 1.19 0.00	45.44 1.45 0.00	62.39 1.88 0.00	76.14 2.57 0.00	60.15 2.26 0.00	47.47 2.00 0.00	43.34 2.14 0.00	44.26 2.39 0.00	41.19 2.18 0.00	44.29 2.39 0.00	44.18 2.42 0.00	45.27 2.56 0.00	49.92 2.56 0.00	55.36 2.69 0.00	61.77 2.72 0.00	68.00 2.99 0.00	58.02 2.39 0.00	55.38 2.08 0.00	50.39 1.98 0.00	46.11 1.90 0.00

WATKINRD_115KV_LN8_ILLLION 55919	45.97 -0.28 0.00	39.85 -0.24 -0.07	38.56 -0.19 -0.13	38.94 -0.12 0.00	39.82 -0.04 -0.13	44.03 0.04 0.00	60.83 0.06 -0.25	74.38 0.22 -0.60	57.95 0.06 0.00	45.47 0.00 0.00	41.16 -0.04 0.00	41.79 -0.08 0.00	38.89 -0.12 0.00	41.73 -0.17 0.00	41.55 -0.21 0.00	42.54 -0.17 0.00	47.17 -0.19 0.00	52.46 -0.21 0.00	58.81 -0.24 0.00	64.75 -0.26 0.00	55.40 -0.22 0.00	53.03 -0.27 0.00	48.16 -0.24 0.00	43.99 -0.22 0.00
WDELAWARE___HYD 323627	47.86 1.62 0.00	41.26 1.24 0.00	39.74 1.12 0.00	40.30 1.25 0.00	40.96 1.23 0.00	45.49 1.50 0.00	62.81 2.30 0.00	76.21 2.64 0.00	59.86 1.97 0.00	46.79 1.32 0.00	42.39 1.20 0.00	43.17 1.30 0.00	40.14 1.13 0.00	43.07 1.17 0.00	42.97 1.21 0.00	44.07 1.37 0.00	48.83 1.47 0.00	54.52 1.84 0.00	61.06 2.01 0.00	67.34 2.34 0.00	57.46 1.83 0.00	54.79 1.49 0.00	49.86 1.45 0.00	45.58 1.37 0.00
WEST BABYLON___IC 23714	49.16 2.91 0.00	42.30 2.28 0.00	40.63 2.01 0.00	40.97 1.91 0.00	41.79 2.07 0.00	46.59 2.60 0.00	63.48 2.97 0.00	77.10 3.53 0.00	60.90 3.01 0.00	48.29 2.82 0.00	44.20 3.01 0.00	45.14 3.27 0.00	41.93 2.93 0.00	45.09 3.18 0.00	45.11 3.34 -0.01	46.26 3.54 -0.01	51.11 3.74 -0.01	56.74 4.06 -0.01	63.49 4.43 -0.01	72.42 5.07 -2.34	59.81 4.17 -0.01	57.09 3.78 -0.01	51.46 3.05 0.00	47.21 3.01 0.00
WEST CANADA___HYD 24049	46.20 -0.05 0.00	40.05 -0.04 -0.07	38.71 -0.04 -0.13	39.02 -0.04 0.00	39.82 -0.04 -0.13	43.95 -0.04 0.00	60.71 -0.06 -0.25	74.16 0.00 -0.60	57.83 -0.06 0.00	45.43 -0.05 0.00	41.16 -0.04 0.00	41.83 -0.04 0.00	38.97 -0.04 0.00	41.90 0.00 0.00	41.76 0.00 0.00	42.75 0.04 0.00	47.36 0.00 0.00	52.73 0.05 0.00	59.11 0.06 0.00	65.14 0.13 0.00	55.68 0.06 0.00	53.35 0.05 0.00	48.41 0.00 0.00	44.25 0.04 0.00
WESTERN_NY_WIND 24143	43.84 -2.40 0.00	37.18 -2.84 0.00	35.88 -2.74 0.00	36.08 -2.97 0.00	36.71 -3.02 0.00	40.34 -3.65 0.00	49.72 -4.78 6.01	58.64 -5.74 9.19	47.38 -5.33 5.18	35.57 -3.91 5.99	32.28 -3.25 5.66	32.65 -3.52 5.71	30.17 -3.51 5.32	19.76 -3.90 18.25	20.07 -3.84 17.85	8.30 -3.97 30.44	-10.12 -4.31 53.17	30.40 -4.90 17.38	35.43 -5.02 18.60	36.66 -5.40 22.96	35.66 -4.67 15.29	30.22 -4.42 18.65	30.36 -4.21 13.83	32.65 -4.07 7.49
WESTOVER___LESR 323668	46.29 0.05 0.00	39.86 -0.16 0.00	38.43 -0.19 0.00	38.82 -0.23 0.00	39.45 -0.28 0.00	43.73 -0.26 0.00	57.68 -0.24 2.59	69.16 -0.44 3.96	57.34 -0.35 0.20	45.20 -0.27 0.00	40.95 -0.25 0.00	41.54 -0.34 0.00	38.62 -0.39 0.00	40.88 -0.46 0.56	40.76 -0.46 0.54	39.34 -0.38 2.98	44.30 -0.38 2.68	48.42 -0.32 3.94	55.72 -0.30 3.03	60.82 -0.20 4.00	53.15 -0.17 2.31	50.50 -0.21 2.58	44.38 -0.29 3.74	43.40 -0.35 0.46
WETHRSFD_WT_PWR 323626	43.47 -2.77 0.00	37.06 -2.96 0.00	35.84 -2.78 0.00	36.01 -3.05 0.00	36.51 -3.22 0.00	39.94 -4.05 0.00	28.61 -5.99 25.92	25.56 -8.39 39.61	26.85 -5.84 25.19	11.08 -4.77 29.62	8.84 -4.37 27.99	8.94 -4.69 28.25	7.92 -4.76 26.33	7.24 -5.32 29.34	7.20 -5.35 29.22	5.10 -5.38 32.22	4.94 -5.87 36.55	7.19 -6.48 39.00	9.07 -7.03 42.95	9.22 -7.54 48.25	9.43 -6.45 39.74	7.01 -6.24 40.05	7.27 -5.86 35.27	8.76 -5.53 29.92
WHAVSTOR_138KV_BK127 55557	47.54 1.29 0.00	40.90 0.88 0.00	39.39 0.77 0.00	39.87 0.82 0.00	40.52 0.79 0.00	45.09 1.10 0.00	62.15 1.63 0.00	75.70 2.13 0.00	59.68 1.79 0.00	46.97 1.50 0.00	42.72 1.52 0.00	43.59 1.72 0.00	40.57 1.56 0.00	43.58 1.68 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.35 1.99 0.00	54.83 2.16 0.00	61.35 2.30 0.00	67.54 2.54 0.00	57.68 2.06 0.00	55.00 1.71 0.00	49.96 1.55 0.00	45.62 1.41 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	47.54 1.29 0.00	40.90 0.88 0.00	39.39 0.77 0.00	39.87 0.82 0.00	40.52 0.79 0.00	45.09 1.10 0.00	62.15 1.63 0.00	75.70 2.13 0.00	59.68 1.79 0.00	46.97 1.50 0.00	42.72 1.52 0.00	43.59 1.72 0.00	40.57 1.56 0.00	43.58 1.68 0.00	43.52 1.75 0.00	44.63 1.92 0.00	49.35 1.99 0.00	54.83 2.16 0.00	61.35 2.30 0.00	67.54 2.54 0.00	57.68 2.06 0.00	55.00 1.71 0.00	49.96 1.55 0.00	45.62 1.41 0.00
WHITEHAL_115KV_TB1 80871	47.08 0.83 0.00	40.66 0.64 0.00	39.36 0.73 0.00	39.83 0.78 0.00	40.44 0.72 0.00	45.00 1.01 0.00	62.45 1.94 0.00	75.92 2.35 0.00	59.28 1.39 0.00	45.88 0.41 0.00	41.24 0.04 0.00	41.88 0.00 0.00	39.24 0.23 0.00	42.20 0.29 0.00	41.85 0.08 0.00	43.09 0.38 0.00	48.07 0.71 0.00	53.78 1.11 0.00	60.82 1.77 0.00	67.22 2.21 0.00	57.35 1.72 0.00	54.58 1.28 0.00	49.66 1.26 0.00	45.14 0.93 0.00
WHITEPLN_13_KV_LOAD 356215	48.14 1.90 0.00	41.46 1.44 0.00	39.90 1.27 0.00	40.38 1.33 0.00	41.04 1.31 0.00	45.71 1.72 0.00	63.00 2.48 0.00	76.88 3.31 0.00	60.55 2.66 0.00	47.61 2.14 0.00	43.38 2.18 0.00	44.30 2.43 0.00	41.19 2.18 0.00	44.29 2.39 0.00	44.23 2.46 0.00	45.27 2.56 0.00	50.10 2.75 0.00	55.63 2.95 0.00	62.18 3.13 0.00	68.45 3.45 0.00	58.52 2.89 0.00	55.70 2.40 0.00	50.58 2.18 0.00	46.20 1.99 0.00
WM_FLOYD_69_KV_BK2 356380	49.06 2.82 0.00	42.26 2.24 0.00	40.55 1.93 0.00	40.89 1.84 0.00	41.71 1.99 0.00	46.59 2.60 0.00	63.42 2.90 0.00	76.58 3.02 0.00	60.67 2.78 0.00	48.20 2.73 0.00	44.16 2.97 0.00	45.02 3.14 0.00	41.82 2.81 0.00	44.96 3.06 0.00	45.03 3.26 -0.01	46.22 3.50 -0.01	51.16 3.79 -0.01	56.69 4.00 -0.01	63.55 4.49 -0.01	72.17 5.01 -2.15	59.86 4.23 -0.01	57.14 3.84 -0.01	51.46 3.05 0.00	47.17 2.96 0.00
WOODARD_115KV_TB2 355635	45.97 -0.28 0.00	39.68 -0.40 -0.06	38.35 -0.39 -0.12	38.63 -0.43 0.00	39.45 -0.40 -0.11	43.59 -0.40 0.00	60.32 -0.42 -0.22	73.58 -0.51 -0.53	57.43 -0.46 0.00	45.06 -0.41 0.00	40.91 -0.29 0.00	41.54 -0.34 0.00	38.66 -0.35 0.00	41.52 -0.38 0.00	41.34 -0.42 0.00	42.32 -0.38 0.00	46.98 -0.38 0.00	52.10 -0.58 0.00	58.46 -0.59 0.00	64.42 -0.59 0.00	55.12 -0.50 0.00	52.77 -0.53 0.00	47.83 -0.58 0.00	43.59 -0.62 0.00
WOODMERE_69_KV_BK1 55827	48.83 2.59 0.00	42.02 2.00 0.00	40.40 1.78 0.00	40.77 1.72 0.00	41.52 1.79 0.00	46.28 2.29 0.00	63.18 2.66 0.00	76.95 3.38 0.00	60.73 2.84 0.00	48.06 2.59 0.00	43.92 2.72 0.00	44.85 2.97 0.00	41.74 2.73 0.00	44.83 2.93 0.00	44.83 3.05 -0.02	45.92 3.20 -0.02	50.78 3.41 -0.02	56.38 3.69 -0.02	62.96 3.90 -0.02	73.08 4.23 -3.85	59.26 3.62 -0.02	56.62 3.30 0.00	51.26 2.86 0.00	46.95 2.74 0.00
YORK___WARBASSE 23770	48.37 2.13 0.00	41.22 1.20 0.00	39.63 1.00 0.00	40.19 1.13 0.00	40.84 1.11 0.00	45.27 1.28 0.00	62.09 1.57 0.00	75.85 2.28 0.00	59.92 2.03 0.00	47.34 1.86 0.00	43.30 2.10 0.00	44.22 2.35 0.00	41.19 2.18 0.00	44.25 2.35 0.00	44.18 2.42 0.00	45.23 2.52 0.00	49.82 2.46 0.00	55.26 2.58 0.00	61.65 2.60 0.00	67.87 2.86 0.00	57.96 2.34 0.00	55.22 1.92 0.00	50.29 1.89 0.00	45.98 1.77 0.00