



ALBANY___2 23572	28.35 0.29 -7.06	25.52 0.33 -4.61	25.16 0.40 -1.02	24.83 0.41 -0.22	25.88 0.26 0.00	28.56 0.28 0.00	33.77 0.40 0.00	42.60 0.59 0.00	40.74 0.60 0.00	37.67 0.56 0.00	38.80 0.72 0.00	39.02 0.73 0.00	38.55 0.68 0.00	39.77 0.70 0.00	39.57 0.74 0.00	44.19 0.79 -1.93	47.50 0.89 0.00	54.47 1.07 -0.07	48.57 0.87 -1.73	42.21 0.72 -1.36	37.89 0.68 -1.44	31.33 0.55 0.00	28.54 0.55 -0.30	27.40 0.40 -0.22
ALBANY___3 23573	28.35 0.29 -7.06	25.52 0.33 -4.61	25.16 0.40 -1.02	24.83 0.41 -0.22	25.88 0.26 0.00	28.56 0.28 0.00	33.77 0.40 0.00	42.60 0.59 0.00	40.74 0.60 0.00	37.67 0.56 0.00	38.80 0.72 0.00	39.02 0.73 0.00	38.55 0.68 0.00	39.77 0.70 0.00	39.57 0.74 0.00	44.19 0.79 -1.93	47.50 0.89 0.00	54.47 1.07 -0.07	48.57 0.87 -1.73	42.21 0.72 -1.36	37.89 0.68 -1.44	31.33 0.55 0.00	28.54 0.55 -0.30	27.40 0.40 -0.22
ALBANY___4 23574	28.35 0.29 -7.06	25.52 0.33 -4.61	25.16 0.40 -1.02	24.83 0.41 -0.22	25.88 0.26 0.00	28.56 0.28 0.00	33.77 0.40 0.00	42.60 0.59 0.00	40.74 0.60 0.00	37.67 0.56 0.00	38.80 0.72 0.00	39.02 0.73 0.00	38.55 0.68 0.00	39.77 0.70 0.00	39.57 0.74 0.00	44.19 0.79 -1.93	47.50 0.89 0.00	54.47 1.07 -0.07	48.57 0.87 -1.73	42.21 0.72 -1.36	37.89 0.68 -1.44	31.33 0.55 0.00	28.54 0.55 -0.30	27.40 0.40 -0.22
ALBANY___LFGE 323615	28.61 0.50 -7.12	25.74 0.51 -4.64	25.36 0.59 -1.03	25.03 0.61 -0.22	26.14 0.51 0.00	28.84 0.57 0.00	34.10 0.73 0.00	43.02 1.01 0.00	41.18 1.04 0.00	38.11 1.00 0.00	39.18 1.10 0.00	39.48 1.19 0.00	38.97 1.10 0.00	40.24 1.17 0.00	39.99 1.16 0.00	44.66 1.24 -1.94	48.02 1.40 0.00	55.06 1.66 -0.07	49.09 1.38 -1.74	42.66 1.16 -1.37	38.29 1.07 -1.45	31.63 0.86 0.00	28.82 0.83 -0.31	27.67 0.67 -0.22
ALCOA_PA_115KV_PL-6C 55860	10.66 -1.87 8.47	17.90 -1.87 0.81	22.02 -1.73 -0.02	11.18 -2.71 10.32	24.09 -1.54 0.00	27.06 -1.22 0.00	32.87 -0.50 0.00	42.06 0.04 0.00	39.90 -0.24 0.00	37.03 -0.07 0.00	37.74 -0.34 0.00	38.52 0.23 0.00	38.06 0.19 0.00	39.15 0.08 0.00	38.83 0.00 0.00	41.30 -0.21 -0.04	45.31 -1.31 0.00	51.63 -1.71 0.00	44.99 -1.01 -0.03	38.74 -1.40 -0.03	34.72 -1.07 -0.03	28.90 -1.88 0.00	25.91 -1.77 -0.01	24.96 -1.82 0.00
ALCOA_RYNLDS___DRP 24188	10.66 -1.87 8.47	17.90 -1.87 0.81	22.02 -1.73 -0.02	11.18 -2.71 10.32	24.09 -1.54 0.00	27.06 -1.22 0.00	32.87 -0.50 0.00	42.06 0.04 0.00	39.90 -0.24 0.00	37.03 -0.07 0.00	37.74 -0.34 0.00	38.52 0.23 0.00	38.06 0.19 0.00	39.15 0.08 0.00	38.83 0.00 0.00	41.30 -0.21 -0.04	45.31 -1.31 0.00	51.63 -1.71 0.00	44.99 -1.01 -0.03	38.74 -1.40 -0.03	34.72 -1.07 -0.03	28.90 -1.88 0.00	25.91 -1.77 -0.01	24.96 -1.82 0.00
ALCOA___DSASP 323711	10.66 -1.87 8.47	17.90 -1.87 0.81	22.02 -1.73 -0.02	11.18 -2.71 10.32	24.09 -1.54 0.00	27.06 -1.21 0.00	32.87 -0.50 0.00	42.06 0.04 0.00	39.90 -0.24 0.00	37.03 -0.07 0.00	37.70 -0.38 0.00	38.52 0.23 0.00	38.06 0.19 0.00	39.15 0.08 0.00	38.83 0.00 0.00	41.30 -0.21 -0.04	45.31 -1.31 0.00	51.63 -1.71 0.00	44.35 -1.65 -0.03	38.74 -1.41 -0.03	34.65 -1.15 -0.03	28.89 -1.88 0.00	25.64 -2.05 -0.01	24.96 -1.82 0.00
ALLEGHENY___COGEN 23514	21.96 -0.10 -1.07	21.25 -0.04 -0.70	23.75 -0.14 -0.16	24.24 0.00 -0.03	25.88 0.26 0.00	28.70 0.42 0.00	34.03 0.67 0.00	42.69 0.67 0.00	40.34 0.20 0.00	36.89 -0.22 0.00	37.58 -0.50 0.00	37.03 -1.26 0.00	36.54 -1.33 0.00	37.70 -1.37 0.00	37.43 -1.40 0.00	40.22 -1.53 -0.28	45.92 -0.70 0.00	53.13 -0.21 -0.01	46.22 0.00 -0.25	40.44 0.12 -0.20	35.98 0.00 -0.21	31.08 0.31 0.00	27.59 -0.14 -0.05	26.52 -0.29 -0.03
ALTAMONT_115KV_TB 2 55880	28.60 0.55 -7.06	25.72 0.54 -4.60	25.37 0.62 -1.02	25.05 0.63 -0.22	26.21 0.59 0.00	28.93 0.65 0.00	34.20 0.83 0.00	43.15 1.13 0.00	41.22 1.08 0.00	38.11 1.00 0.00	39.18 1.10 0.00	39.36 1.07 0.00	38.93 1.06 0.00	40.17 1.09 0.00	39.92 1.09 0.00	44.60 1.20 -1.93	48.02 1.40 0.00	55.00 1.60 -0.07	49.08 1.38 -1.73	42.69 1.20 -1.36	38.28 1.07 -1.44	31.70 0.92 0.00	28.81 0.83 -0.30	27.72 0.72 -0.22
ALTONA_WT_PWR 323606	10.05 -2.25 8.69	17.49 -2.26 0.84	21.69 -2.06 -0.02	10.53 -3.10 10.58	23.91 -1.72 0.00	27.03 -1.24 0.00	32.63 -0.73 0.00	41.85 -0.17 0.00	39.78 -0.36 0.00	37.00 -0.11 0.00	37.54 -0.53 0.00	38.44 0.15 0.00	37.98 0.11 0.00	38.99 -0.08 0.00	38.63 -0.19 0.00	41.01 -0.50 -0.03	44.48 -2.14 0.00	50.51 -2.83 0.00	43.19 -2.81 -0.03	38.10 -2.04 -0.02	34.11 -1.68 -0.03	28.56 -2.22 0.00	25.30 -2.38 -0.01	24.64 -2.14 0.00
AMERICAN_REF_FUEL 24010	20.48 -1.45 -0.94	19.78 -1.42 -0.61	21.99 -1.88 -0.14	22.42 -1.82 -0.03	23.88 -1.74 0.00	26.38 -1.89 0.00	31.00 -2.37 0.00	38.28 -3.74 0.00	36.36 -3.77 0.00	33.51 -3.60 0.00	34.61 -3.46 0.00	33.96 -4.33 0.00	33.63 -4.24 0.00	34.77 -4.30 0.00	34.48 -4.35 0.00	36.71 -4.98 -0.21	41.58 -5.04 0.00	47.53 -5.81 -0.01	41.19 -4.97 -0.19	36.14 -4.13 -0.15	32.28 -3.65 -0.16	28.34 -2.43 0.00	25.28 -2.44 -0.04	24.64 -2.17 -0.03
ARKWRIGHT___SUMMIT_WT_PWR 323751	20.40 -1.64 -1.04	19.81 -1.46 -0.68	22.17 -1.71 -0.15	22.88 -1.35 -0.03	24.83 -0.79 0.00	27.54 -0.74 0.00	32.56 -0.80 0.00	40.46 -1.55 0.00	38.49 -1.65 0.00	35.51 -1.59 0.00	36.82 -1.26 0.00	36.26 -2.03 0.00	35.97 -1.89 0.00	37.20 -1.87 0.00	36.89 -1.94 0.00	39.02 -2.70 -0.24	44.48 -2.14 0.00	50.84 -2.51 -0.01	43.57 -2.62 -0.22	37.97 -2.33 -0.17	33.77 -2.18 -0.18	29.76 -1.01 0.00	26.42 -1.30 -0.04	25.15 -1.66 -0.03
ARTHUR KILL_GT_1 23520	28.94 1.72 -6.23	26.30 1.65 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.85 0.00	30.11 1.84 0.00	35.77 2.40 0.00	45.17 3.15 0.00	43.31 3.17 0.00	40.04 2.93 0.00	40.97 2.89 0.00	41.31 3.02 0.00	40.86 2.99 0.00	42.20 3.13 0.00	41.94 3.11 0.00	46.70 3.52 -1.70	50.72 4.10 0.00	58.20 4.80 -0.06	51.54 4.05 -1.52	45.10 3.77 -1.20	40.11 3.08 -1.27	33.51 2.74 0.00	30.47 2.52 -0.27	29.23 2.25 -0.20
ARTHUR_KILL_2 23512	28.88 1.66 -6.23	26.24 1.59 -4.06	26.35 1.71 -0.90	26.16 1.77 -0.19	27.39 1.77 0.00	30.06 1.78 0.00	35.70 2.33 0.00	45.04 3.03 0.00	43.19 3.05 0.00	39.93 2.82 0.00	40.86 2.78 0.00	41.20 2.91 0.00	40.78 2.92 0.00	42.12 3.05 0.00	41.86 3.03 0.00	46.61 3.44 -1.70	50.58 3.96 0.00	58.03 4.64 -0.06	51.40 3.91 -1.52	44.98 3.65 -1.20	40.00 2.97 -1.27	33.42 2.65 0.00	30.41 2.46 -0.27	29.17 2.20 -0.20
ARTHUR_KILL_3 23513	28.75 1.53 -6.23	26.15 1.50 -4.06	26.27 1.64 -0.90	26.09 1.69 -0.19	27.34 1.72 0.00	30.09 1.81 0.00	35.77 2.40 0.00	45.21 3.19 0.00	43.31 3.17 0.00	40.00 2.90 0.00	40.97 2.89 0.00	41.31 3.02 0.00	40.90 3.03 0.00	42.20 3.13 0.00	41.94 3.11 0.00	46.74 3.57 -1.70	50.63 4.01 0.00	58.03 4.64 -0.06	51.40 3.91 -1.52	44.89 3.57 -1.20	40.00 2.97 -1.27	33.32 2.55 0.00	30.30 2.35 -0.27	29.00 2.03 -0.19

ARTHUR_KILL_COGEN 323718	28.94 1.72 -6.23	26.30 1.65 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.85 0.00	30.11 1.84 0.00	35.77 2.40 0.00	45.17 3.15 0.00	43.31 3.17 0.00	40.04 2.93 0.00	40.97 2.89 0.00	41.31 3.02 0.00	40.86 2.99 0.00	42.20 3.13 0.00	41.94 3.11 0.00	46.70 3.52 -1.70	50.72 4.10 0.00	58.20 4.80 -0.06	51.54 4.05 -1.52	45.10 3.77 -1.20	40.11 3.08 -1.27	33.51 2.74 0.00	30.47 2.52 -0.27	29.23 2.25 -0.20
ASHOKAN____ 23654	28.25 0.61 -6.64	25.52 0.60 -4.33	25.41 0.71 -0.96	25.13 0.73 -0.20	26.34 0.72 0.00	29.04 0.76 0.00	34.43 1.07 0.00	43.36 1.34 0.00	41.38 1.25 0.00	38.04 0.93 0.00	38.99 0.91 0.00	39.25 0.96 0.00	38.70 0.83 0.00	40.01 0.94 0.00	39.91 1.09 0.00	44.70 1.41 -1.81	48.34 2.29 0.00	55.69 1.93 -0.06	49.52 1.93 -1.63	42.97 1.56 -1.28	38.48 1.36 -1.35	31.94 1.17 0.00	29.10 1.14 -0.29	27.86 0.88 -0.20
ASTORIA_EAST_ENERGY_CC1 323581	28.97 1.74 -6.24	26.37 1.71 -4.07	26.50 1.85 -0.91	26.31 1.91 -0.20	27.58 1.95 -0.01	29.94 1.67 0.00	35.39 2.04 0.01	44.66 2.65 0.01	42.90 2.77 0.01	39.70 2.60 0.01	40.62 2.55 0.01	40.96 2.68 0.01	40.55 2.69 0.01	41.84 2.77 0.01	41.58 2.76 0.01	46.28 3.11 -1.69	50.15 3.54 0.01	57.49 4.11 -0.05	50.93 3.45 -1.52	44.49 3.17 -1.19	39.68 2.65 -1.26	33.07 2.31 0.01	30.13 2.19 -0.26	29.17 2.20 -0.20
ASTORIA_EAST_ENERGY_CC2 323582	28.99 1.76 -6.24	26.37 1.71 -4.07	26.50 1.85 -0.91	26.31 1.91 -0.20	27.58 1.95 -0.01	29.94 1.67 0.00	35.39 2.04 0.01	44.66 2.65 0.01	42.90 2.77 0.01	39.70 2.60 0.01	40.62 2.55 0.01	40.96 2.68 0.01	40.55 2.69 0.01	41.84 2.77 0.01	41.58 2.76 0.01	46.28 3.11 -1.69	50.15 3.54 0.01	57.49 4.11 -0.05	50.93 3.45 -1.52	44.49 3.17 -1.19	39.68 2.65 -1.26	33.07 2.31 0.01	30.13 2.19 -0.26	29.17 2.20 -0.20
ASTORIA_GT2_1 24094	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT2_2 24095	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT2_3 24096	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT2_4 24097	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT3_1 24098	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT3_2 24099	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT3_3 24100	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT3_4 24101	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT4_1 24102	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT4_2 24103	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT4_3 24104	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20

ASTORIA_GT4_4 24105	28.98 1.76 -6.23	26.36 1.71 -4.06	26.49 1.85 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	29.94 1.67 0.00	35.40 2.04 0.00	44.75 2.73 0.00	42.99 2.85 0.00	39.78 2.67 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.33 3.15 -1.70	50.21 3.59 0.00	57.55 4.16 -0.06	50.94 3.45 -1.52	44.53 3.21 -1.20	39.68 2.65 -1.27	33.11 2.34 0.00	30.08 2.13 -0.27	29.20 2.22 -0.20
ASTORIA_GT_1 23523	29.01 1.78 -6.24	26.41 1.75 -4.07	26.54 1.90 -0.91	26.36 1.96 -0.20	27.63 2.00 -0.01	29.97 1.70 0.00	35.46 2.10 0.01	44.78 2.77 0.01	42.98 2.85 0.01	39.81 2.71 0.01	40.73 2.66 0.01	41.07 2.79 0.01	40.62 2.76 0.01	41.95 2.89 0.01	41.65 2.83 0.01	46.40 3.24 -1.69	50.29 3.68 0.01	57.65 4.27 -0.05	51.07 3.59 -1.52	44.61 3.29 -1.19	39.75 2.72 -1.26	33.13 2.37 0.01	30.18 2.24 -0.26	29.23 2.25 -0.20
ASTORIA_GT_10 24110	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.84 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	57.98 4.59 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.01 2.97 -1.27	33.42 2.65 0.00	30.36 2.41 -0.27	29.25 2.28 -0.20
ASTORIA_GT_11 24225	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.84 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	57.98 4.59 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.01 2.97 -1.27	33.42 2.65 0.00	30.36 2.41 -0.27	29.25 2.28 -0.20
ASTORIA_GT_12 24226	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.84 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	57.98 4.59 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.01 2.97 -1.27	33.42 2.65 0.00	30.36 2.41 -0.27	29.25 2.28 -0.20
ASTORIA_GT_13 24227	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.84 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	57.98 4.59 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.01 2.97 -1.27	33.42 2.65 0.00	30.36 2.41 -0.27	29.25 2.28 -0.20
ASTORIA_GT_5 24106	29.00 1.78 -6.23	26.40 1.75 -4.06	26.53 1.90 -0.90	26.36 1.96 -0.19	27.62 2.00 0.00	29.97 1.70 0.00	35.47 2.10 0.00	44.83 2.82 0.00	43.07 2.93 0.00	39.85 2.75 0.00	40.82 2.74 0.00	41.08 2.80 0.00	40.63 2.76 0.00	41.96 2.89 0.00	41.70 2.87 0.00	46.41 3.24 -1.70	50.30 3.68 0.00	57.66 4.27 -0.06	51.03 3.54 -1.52	44.62 3.29 -1.20	39.75 2.72 -1.27	33.17 2.40 0.00	30.13 2.19 -0.27	29.23 2.25 -0.20
ASTORIA_GT_7 24107	29.00 1.78 -6.23	26.40 1.75 -4.06	26.53 1.90 -0.90	26.36 1.96 -0.19	27.62 2.00 0.00	29.97 1.70 0.00	35.47 2.10 0.00	44.83 2.82 0.00	43.07 2.93 0.00	39.85 2.75 0.00	40.82 2.74 0.00	41.08 2.80 0.00	40.63 2.76 0.00	41.96 2.89 0.00	41.70 2.87 0.00	46.41 3.24 -1.70	50.30 3.68 0.00	57.66 4.27 -0.06	51.03 3.54 -1.52	44.62 3.29 -1.20	39.75 2.72 -1.27	33.17 2.40 0.00	30.13 2.19 -0.27	29.23 2.25 -0.20
ASTORIA_GT_8 24108	29.00 1.78 -6.23	26.40 1.75 -4.06	26.53 1.90 -0.90	26.36 1.96 -0.19	27.62 2.00 0.00	29.97 1.70 0.00	35.47 2.10 0.00	44.83 2.82 0.00	43.07 2.93 0.00	39.85 2.75 0.00	40.82 2.74 0.00	41.08 2.80 0.00	40.63 2.76 0.00	41.96 2.89 0.00	41.70 2.87 0.00	46.41 3.24 -1.70	50.30 3.68 0.00	57.66 4.27 -0.06	51.03 3.54 -1.52	44.62 3.29 -1.20	39.75 2.72 -1.27	33.17 2.40 0.00	30.13 2.19 -0.27	29.23 2.25 -0.20
ASTORIA___2 24149	28.99 1.76 -6.24	26.37 1.71 -4.07	26.50 1.85 -0.91	26.31 1.91 -0.20	27.58 1.95 -0.01	29.94 1.67 0.00	35.39 2.04 0.01	44.70 2.69 0.01	42.90 2.77 0.01	39.74 2.63 0.01	40.66 2.59 0.01	41.00 2.72 0.01	40.55 2.69 0.01	41.88 2.81 0.01	41.58 2.76 0.01	46.32 3.15 -1.69	50.20 3.59 0.01	57.49 4.11 -0.05	50.98 3.49 -1.52	44.53 3.21 -1.19	39.68 2.65 -1.26	33.07 2.31 0.01	30.15 2.22 -0.26	29.17 2.20 -0.20
ASTORIA___3 23516	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.85 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.08 3.07 0.00	43.27 3.13 0.00	40.04 2.93 0.00	41.01 2.93 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.14 0.00	46.66 3.48 -1.70	50.58 3.96 0.00	57.98 4.59 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.00 2.97 -1.27	33.39 2.61 0.00	30.41 2.46 -0.27	29.23 2.25 -0.20
ASTORIA___4 23517	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.84 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	57.98 4.59 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.01 2.97 -1.27	33.42 2.65 0.00	30.36 2.41 -0.27	29.25 2.28 -0.20
ASTORIA___5 23518	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.85 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.08 3.07 0.00	43.27 3.13 0.00	40.04 2.93 0.00	41.01 2.93 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.14 0.00	46.66 3.48 -1.70	50.58 3.96 0.00	57.98 4.59 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.00 2.97 -1.27	33.39 2.61 0.00	30.41 2.46 -0.27	29.23 2.25 -0.20
AST_ENERGY_2_CC3 323677	28.73 1.51 -6.23	26.15 1.50 -4.06	26.25 1.61 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.02 1.75 0.01	34.40 2.37 1.34	40.06 3.11 5.06	39.68 3.09 3.55	37.11 2.86 2.86	34.37 2.86 6.56	36.71 2.99 4.57	34.78 2.99 6.08	35.52 3.09 6.64	35.22 3.07 6.68	36.51 3.52 8.49	34.15 3.96 16.43	42.37 4.59 15.56	35.81 3.86 14.02	37.71 3.49 5.91	33.78 2.90 4.88	33.28 2.52 0.02	30.26 2.33 -0.25	28.98 2.01 -0.19
AST_ENERGY_2_CC4 323678	28.73 1.51 -6.23	26.15 1.50 -4.06	26.25 1.61 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.02 1.75 0.01	34.40 2.37 1.34	40.06 3.11 5.06	39.68 3.09 3.55	37.11 2.86 2.86	34.37 2.86 6.56	36.71 2.99 4.57	34.78 2.99 6.08	35.52 3.09 6.64	35.22 3.07 6.68	36.51 3.52 8.49	34.15 3.96 16.43	42.37 4.59 15.56	35.81 3.86 14.02	37.71 3.49 5.91	33.78 2.90 4.88	33.28 2.52 0.02	30.26 2.33 -0.25	28.98 2.01 -0.19



BARRETT_IC_5 23708	31.39 1.91 -8.48	31.83 1.87 -9.37	28.64 2.06 -2.84	32.07 2.10 -5.76	31.19 2.18 -3.39	32.82 2.38 -2.17	36.69 2.90 -0.42	45.33 3.32 0.00	42.83 2.69 0.00	39.78 2.67 0.00	41.17 3.08 -0.01	41.55 3.10 -0.17	41.02 3.14 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	47.35 3.65 -2.23	58.52 4.10 -7.80	65.24 4.75 -7.16	61.26 4.05 -11.25	52.22 3.65 -8.45	48.73 3.11 -9.86	39.99 2.80 -6.42	37.19 2.82 -6.68	33.33 2.52 -4.03
BARRETT_IC_6 23709	31.39 1.91 -8.48	31.83 1.87 -9.37	28.64 2.06 -2.84	32.07 2.10 -5.76	31.19 2.18 -3.39	32.82 2.38 -2.17	36.69 2.90 -0.42	45.33 3.32 0.00	42.83 2.69 0.00	39.78 2.67 0.00	41.17 3.08 -0.01	41.55 3.10 -0.17	41.02 3.14 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	47.35 3.65 -2.23	58.52 4.10 -7.80	65.24 4.75 -7.16	61.26 4.05 -11.25	52.22 3.65 -8.45	48.73 3.11 -9.86	39.99 2.80 -6.42	37.19 2.82 -6.68	33.33 2.52 -4.03
BARRETT_IC_7 23710	31.39 1.91 -8.48	31.83 1.87 -9.37	28.64 2.06 -2.84	32.07 2.11 -5.76	31.19 2.18 -3.39	32.82 2.38 -2.17	36.69 2.90 -0.42	45.38 3.36 0.00	43.11 2.97 0.00	39.78 2.67 0.00	41.25 3.16 -0.01	41.56 3.10 -0.17	41.02 3.14 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	47.31 3.61 -2.23	58.52 4.10 -7.80	65.30 4.80 -7.16	61.26 4.05 -11.25	52.18 3.61 -8.45	48.70 3.08 -9.86	40.02 2.83 -6.42	37.10 2.74 -6.68	33.33 2.52 -4.03
BARRETT_IC_8 23711	31.39 1.91 -8.48	31.83 1.87 -9.37	28.64 2.06 -2.84	32.07 2.10 -5.76	31.19 2.18 -3.39	32.82 2.38 -2.17	36.69 2.90 -0.42	45.33 3.32 0.00	42.83 2.69 0.00	39.78 2.67 0.00	41.17 3.08 -0.01	41.55 3.10 -0.17	41.02 3.14 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	47.35 3.65 -2.23	58.52 4.10 -7.80	65.24 4.75 -7.16	61.26 4.05 -11.25	52.22 3.65 -8.45	48.73 3.11 -9.86	39.99 2.80 -6.42	37.19 2.82 -6.68	33.33 2.52 -4.03
BARRETT_IC_9 23700	31.39 1.91 -8.48	31.83 1.87 -9.37	28.64 2.06 -2.84	32.07 2.10 -5.76	31.19 2.18 -3.39	32.82 2.38 -2.17	36.69 2.90 -0.42	45.33 3.32 0.00	42.83 2.69 0.00	39.78 2.67 0.00	41.17 3.08 -0.01	41.55 3.10 -0.17	41.02 3.14 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	47.35 3.65 -2.23	58.52 4.10 -7.80	65.24 4.75 -7.16	61.26 4.05 -11.25	52.22 3.65 -8.45	48.73 3.11 -9.86	39.99 2.80 -6.42	37.19 2.82 -6.68	33.33 2.52 -4.03
BARRETT___1 23545	31.39 1.91 -8.48	31.83 1.87 -9.37	28.64 2.06 -2.84	32.07 2.10 -5.76	31.19 2.18 -3.39	32.82 2.38 -2.17	36.69 2.90 -0.42	45.33 3.32 0.00	42.83 2.69 0.00	39.78 2.67 0.00	41.17 3.08 -0.01	41.55 3.10 -0.17	41.02 3.14 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	47.35 3.65 -2.23	58.52 4.10 -7.80	65.24 4.75 -7.16	61.26 4.05 -11.25	52.22 3.65 -8.45	48.73 3.11 -9.86	39.99 2.80 -6.42	37.19 2.82 -6.68	33.33 2.52 -4.03
BARRETT___2 23546	31.39 1.91 -8.48	31.83 1.87 -9.37	28.64 2.06 -2.84	32.07 2.10 -5.76	31.19 2.18 -3.39	32.82 2.38 -2.17	36.69 2.90 -0.42	45.33 3.32 0.00	42.83 2.69 0.00	39.78 2.67 0.00	41.17 3.08 -0.01	41.55 3.10 -0.17	41.02 3.14 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	47.35 3.65 -2.23	58.52 4.10 -7.80	65.24 4.75 -7.16	61.26 4.05 -11.25	52.22 3.65 -8.45	48.73 3.11 -9.86	39.99 2.80 -6.42	37.19 2.82 -6.68	33.33 2.52 -4.03
BATAVIA__115KV_TB1 55881	21.15 -0.71 -0.87	20.46 -0.70 -0.57	22.86 -1.00 -0.13	23.29 -0.94 -0.03	24.80 -0.82 0.00	27.46 -0.82 0.00	32.36 -1.00 0.00	40.08 -1.93 0.00	38.25 -1.89 0.00	35.33 -1.78 0.00	35.91 -2.17 0.00	35.76 -2.53 0.00	35.37 -2.50 0.00	36.61 -2.46 0.00	36.23 -2.60 0.00	38.78 -2.90 -0.21	43.87 -2.75 0.00	50.30 -3.04 -0.01	43.54 -2.62 -0.19	38.23 -2.05 -0.15	34.03 -1.90 -0.16	29.70 -1.08 0.00	26.80 -0.91 -0.04	25.63 -1.18 -0.03
BAYONEEC___CTG1 323682	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BAYONEEC___CTG10 323750	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BAYONEEC___CTG2 323683	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BAYONEEC___CTG3 323684	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BAYONEEC___CTG4 323685	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BAYONEEC___CTG5 323686	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BAYONEEC___CTG6 323687	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19

BAYONEEC___CTG7 323688	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BAYONEEC___CTG8 323689	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BAYONEEC___CTG9 323749	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.78 3.61 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
BEACON___LESR 323632	28.68 0.63 -7.06	25.83 0.64 -4.60	25.49 0.74 -1.02	25.17 0.75 -0.22	26.26 0.64 0.00	29.01 0.73 0.00	34.33 0.97 0.00	43.32 1.30 0.00	41.46 1.32 0.00	38.37 1.26 0.00	39.49 1.41 0.00	39.74 1.45 0.00	39.23 1.36 0.00	40.48 1.40 0.00	40.22 1.40 0.00	44.94 1.54 -1.93	48.34 1.73 0.00	55.48 2.08 -0.07	49.44 1.75 -1.73	42.97 1.49 -1.36	38.57 1.36 -1.44	31.85 1.08 0.00	29.01 1.02 -0.30	27.80 0.80 -0.22
BEAVER RIVER___HYD 24048	17.98 -0.61 2.40	19.89 -0.60 0.10	23.20 -0.57 -0.04	20.30 -0.70 3.20	25.57 -0.05 0.00	28.39 0.11 0.00	34.00 0.63 0.00	43.24 1.22 0.00	41.02 0.88 0.00	37.89 0.78 0.00	38.76 0.69 0.00	39.13 0.84 0.00	38.70 0.83 0.00	39.85 0.78 0.00	39.53 0.70 0.00	42.42 0.87 -0.07	47.27 0.65 0.00	54.35 1.01 0.00	46.40 0.37 -0.07	40.50 0.32 -0.05	36.11 0.28 -0.06	30.65 -0.12 0.00	27.30 -0.39 -0.01	26.39 -0.40 -0.01
BEEBEE_GT_13 23619	21.29 -0.46 -0.76	20.63 -0.45 -0.49	23.18 -0.66 -0.11	23.55 -0.68 -0.02	24.80 -0.82 0.00	27.40 -0.88 0.00	32.23 -1.13 0.00	40.17 -1.85 0.00	38.41 -1.73 0.00	35.59 -1.52 0.00	36.25 -1.83 0.00	36.30 -1.99 0.00	35.94 -1.93 0.00	37.16 -1.91 0.00	36.85 -1.98 0.00	39.57 -2.12 -0.21	44.43 -2.19 0.00	50.84 -2.51 -0.01	44.09 -2.07 -0.19	38.67 -1.60 -0.15	34.46 -1.47 -0.16	29.70 -1.08 0.00	27.02 -0.69 -0.03	25.92 -0.88 -0.02
BENSHRST_27_KV_BENSHRST_1 355998	29.05 1.83 -6.23	26.40 1.75 -4.06	26.53 1.90 -0.90	26.36 1.96 -0.19	27.60 1.97 0.00	30.31 2.04 0.00	36.00 2.64 0.00	45.55 3.53 0.00	43.67 3.53 0.00	40.37 3.27 0.00	41.39 3.31 0.00	41.66 3.37 0.00	41.24 3.37 0.00	42.59 3.52 0.00	42.32 3.49 0.00	47.07 3.90 -1.70	51.14 4.52 0.00	58.62 5.23 -0.06	51.86 4.37 -1.52	45.38 4.05 -1.20	40.36 3.33 -1.27	33.73 2.95 0.00	30.58 2.63 -0.27	29.41 2.44 -0.20
BETHLEHEM___GRP 23843	28.35 0.29 -7.06	25.52 0.33 -4.61	25.16 0.40 -1.02	24.83 0.41 -0.22	25.88 0.26 0.00	28.56 0.28 0.00	33.77 0.40 0.00	42.60 0.59 0.00	40.74 0.60 0.00	37.67 0.56 0.00	38.80 0.72 0.00	39.02 0.73 0.00	38.55 0.68 0.00	39.77 0.70 0.00	39.57 0.74 0.00	44.19 0.79 -1.93	47.50 0.89 0.00	54.47 1.07 -0.07	48.57 0.87 -1.73	42.21 0.72 -1.36	37.89 0.68 -1.44	31.33 0.55 0.00	28.54 0.55 -0.30	27.40 0.40 -0.22
BETHLEHEM___GS1 323560	28.35 0.29 -7.06	25.52 0.33 -4.61	25.16 0.40 -1.02	24.83 0.41 -0.22	25.88 0.26 0.00	28.56 0.28 0.00	33.77 0.40 0.00	42.56 0.54 0.00	40.74 0.60 0.00	37.67 0.56 0.00	38.72 0.65 0.00	39.01 0.73 0.00	38.55 0.68 0.00	39.78 0.70 0.00	39.53 0.70 0.00	44.19 0.79 -1.93	47.46 0.84 0.00	54.41 1.01 -0.07	48.57 0.87 -1.73	42.21 0.72 -1.36	37.89 0.68 -1.44	31.33 0.55 0.00	28.54 0.55 -0.30	27.40 0.40 -0.22
BETHLEHEM___GS2 323561	28.35 0.29 -7.06	25.52 0.33 -4.61	25.16 0.40 -1.02	24.83 0.41 -0.22	25.88 0.26 0.00	28.56 0.28 0.00	33.77 0.40 0.00	42.56 0.54 0.00	40.74 0.60 0.00	37.67 0.56 0.00	38.72 0.65 0.00	39.01 0.73 0.00	38.55 0.68 0.00	39.78 0.70 0.00	39.53 0.70 0.00	44.19 0.79 -1.93	47.46 0.84 0.00	54.41 1.01 -0.07	48.57 0.87 -1.73	42.21 0.72 -1.36	37.89 0.68 -1.44	31.33 0.55 0.00	28.54 0.55 -0.30	27.40 0.40 -0.22
BETHLEHEM___GS3 323562	28.35 0.29 -7.06	25.52 0.33 -4.61	25.16 0.40 -1.02	24.83 0.41 -0.22	25.88 0.26 0.00	28.56 0.28 0.00	33.77 0.40 0.00	42.56 0.54 0.00	40.74 0.60 0.00	37.67 0.56 0.00	38.72 0.65 0.00	39.01 0.73 0.00	38.55 0.68 0.00	39.78 0.70 0.00	39.53 0.70 0.00	44.19 0.79 -1.93	47.46 0.84 0.00	54.41 1.01 -0.07	48.57 0.87 -1.73	42.21 0.72 -1.36	37.89 0.68 -1.44	31.33 0.55 0.00	28.54 0.55 -0.30	27.40 0.40 -0.22
BETHLEHEM___STEEL 23779	20.75 -1.24 -1.00	20.03 -1.21 -0.65	22.33 -1.54 -0.15	22.90 -1.33 -0.03	24.83 -0.79 0.00	27.48 -0.79 0.00	32.40 -0.97 0.00	39.87 -2.14 0.00	38.01 -2.13 0.00	35.07 -2.04 0.00	35.72 -2.36 0.00	35.65 -2.64 0.00	35.29 -2.57 0.00	36.49 -2.58 0.00	36.07 -2.76 0.00	38.34 -3.36 -0.23	43.73 -2.89 0.00	49.98 -3.36 -0.01	42.77 -3.40 -0.21	37.40 -2.89 -0.16	33.29 -2.65 -0.17	29.45 -1.32 0.00	26.20 -1.52 -0.04	25.18 -1.63 -0.03
BETHLHEM_115KV_TB1 79974	28.41 0.36 -7.06	25.56 0.37 -4.60	25.21 0.45 -1.02	24.88 0.46 -0.22	25.96 0.33 0.00	28.61 0.34 0.00	33.83 0.47 0.00	42.73 0.71 0.00	40.86 0.72 0.00	37.78 0.67 0.00	38.88 0.80 0.00	39.09 0.80 0.00	38.62 0.76 0.00	39.85 0.78 0.00	39.64 0.82 0.00	44.27 0.87 -1.93	47.60 0.98 0.00	54.57 1.17 -0.07	48.66 0.97 -1.73	42.29 0.80 -1.36	37.96 0.75 -1.44	31.42 0.65 0.00	28.59 0.61 -0.30	27.45 0.46 -0.22
BETHPAGE_CC_5 323564	31.32 2.00 -8.34	31.56 1.96 -9.02	28.58 2.14 -2.72	31.80 2.20 -5.39	31.07 2.28 -3.17	32.76 2.46 -2.03	36.97 3.20 -0.40	45.80 3.78 0.00	43.11 2.97 0.00	40.04 2.93 0.00	41.52 3.43 -0.01	41.99 3.52 -0.18	41.40 3.52 -0.01	42.71 3.63 -0.01	42.49 3.65 -0.01	47.92 4.19 -2.26	59.72 4.80 -8.29	66.50 5.55 -7.61	62.57 4.74 -11.87	53.49 4.25 -9.12	50.14 3.65 -10.72	40.80 3.20 -6.83	36.86 2.93 -6.25	33.18 2.63 -3.78
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	20.72 -1.28 -1.01	19.97 -1.28 -0.66	22.27 -1.61 -0.15	22.88 -1.36 -0.03	24.93 -0.69 0.00	27.62 -0.65 0.00	32.60 -0.77 0.00	40.13 -1.89 0.00	38.25 -1.89 0.00	35.29 -1.82 0.00	35.91 -2.17 0.00	35.84 -2.45 0.00	35.48 -2.39 0.00	36.69 -2.38 0.00	36.27 -2.56 0.00	38.47 -3.24 -0.23	44.01 -2.61 0.00	50.30 -3.04 -0.01	42.91 -3.26 -0.21	37.44 -2.85 -0.17	33.37 -2.58 -0.17	29.57 -1.20 0.00	26.14 -1.58 -0.04	25.15 -1.66 -0.03





BRISTLHL_115KV_TB1 79998	21.07 -0.25 -0.33	20.67 -0.25 -0.33	23.48 -0.33 -0.08	23.69 -0.29 0.22	25.27 -0.36 0.00	27.88 -0.40 0.00	32.76 -0.60 0.00	41.18 -0.84 0.00	39.34 -0.80 0.00	36.40 -0.71 0.00	37.28 -0.80 0.00	37.45 -0.84 0.00	37.03 -0.83 0.00	38.21 -0.86 0.00	37.97 -0.85 0.00	40.67 -0.95 -0.15	45.64 -0.98 0.00	52.22 -1.12 0.00	45.18 -0.92 -0.13	39.46 -0.76 -0.10	35.20 -0.68 -0.11	30.22 -0.55 0.00	27.18 -0.53 -0.02	26.37 -0.43 -0.02
BROOKHAVEN___DRP 24191	31.41 1.97 -8.45	31.88 2.02 -9.27	28.77 2.23 -2.81	31.99 2.13 -5.66	31.36 2.41 -3.33	32.87 2.46 -2.13	37.25 3.47 -0.42	46.09 4.08 0.00	42.95 2.81 0.00	39.26 2.15 0.00	40.94 2.86 -0.01	41.32 2.87 -0.16	40.75 2.88 -0.01	42.09 3.01 -0.01	41.87 3.03 -0.01	47.84 4.15 -2.22	59.10 4.80 -7.67	66.04 5.65 -7.05	61.80 4.73 -11.10	53.28 4.57 -8.58	49.77 3.90 -10.10	40.32 3.23 -6.32	36.84 2.60 -6.56	33.10 2.36 -3.96
BROOKLYN_NAVY_YARD 23515	28.73 1.51 -6.23	26.13 1.48 -4.06	26.23 1.59 -0.90	26.04 1.65 -0.19	27.29 1.66 0.00	30.06 1.78 0.00	35.77 2.40 0.00	45.17 3.15 0.00	43.27 3.13 0.00	39.97 2.86 0.00	40.94 2.86 0.00	41.28 2.99 0.00	40.86 2.99 0.00	42.16 3.09 0.00	41.89 3.07 0.00	46.70 3.52 -1.70	50.63 4.01 0.00	58.03 4.64 -0.06	51.40 3.91 -1.52	44.86 3.53 -1.20	39.97 2.93 -1.27	33.32 2.55 0.00	30.30 2.35 -0.27	29.00 2.03 -0.19
BROOKLYN___ARMY_DRP 323595	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
BROOKVLE_69_KV_TB1 55790	30.80 1.85 -7.96	30.53 1.81 -8.13	28.12 1.99 -2.39	30.75 2.08 -4.46	30.33 2.10 -2.60	32.23 2.29 -1.67	36.69 3.00 -0.33	45.76 3.74 0.00	43.63 3.49 0.00	40.23 3.12 0.00	41.63 3.54 -0.01	42.10 3.60 -0.21	41.47 3.60 -0.01	42.79 3.71 -0.01	42.53 3.69 -0.01	47.99 4.15 -2.37	61.19 4.76 -9.81	67.83 5.49 -9.00	64.37 4.64 -13.76	54.70 4.13 -10.44	51.54 3.51 -12.26	41.93 3.08 -8.08	35.57 2.71 -5.18	32.38 2.46 -3.14
BROOME_2_LFGE 323671	23.15 0.11 -2.06	22.03 0.10 -1.34	24.10 0.07 -0.30	24.44 0.17 -0.06	25.98 0.36 0.00	28.70 0.42 0.00	33.97 0.60 0.00	42.69 0.67 0.00	40.70 0.56 0.00	37.52 0.41 0.00	38.50 0.42 0.00	38.56 0.27 0.00	38.17 0.30 0.00	39.38 0.31 0.00	39.10 0.27 0.00	42.20 0.17 -0.55	47.18 0.56 0.00	53.94 0.59 -0.02	46.88 0.41 -0.50	40.80 0.28 -0.39	36.43 0.25 -0.41	31.20 0.43 0.00	28.04 0.28 -0.09	26.92 0.08 -0.06
BROOME___LFGE 323600	23.15 0.11 -2.06	22.03 0.10 -1.34	24.10 0.07 -0.30	24.44 0.17 -0.06	25.98 0.36 0.00	28.70 0.42 0.00	33.97 0.60 0.00	42.69 0.67 0.00	40.70 0.56 0.00	37.52 0.41 0.00	38.50 0.42 0.00	38.56 0.27 0.00	38.17 0.30 0.00	39.38 0.31 0.00	39.10 0.27 0.00	42.20 0.17 -0.55	47.18 0.56 0.00	53.94 0.59 -0.02	46.88 0.41 -0.50	40.80 0.28 -0.39	36.43 0.25 -0.41	31.20 0.43 0.00	28.04 0.28 -0.09	26.92 0.08 -0.06
BROWNFLS_115KV_TB_3_5 80003	15.25 -1.13 4.60	19.10 -1.13 0.36	22.70 -1.07 -0.03	16.89 -1.52 5.79	24.96 -0.67 0.00	27.85 -0.42 0.00	33.57 0.20 0.00	42.81 0.80 0.00	40.62 0.48 0.00	37.59 0.48 0.00	38.38 0.30 0.00	38.94 0.65 0.00	38.47 0.61 0.00	39.62 0.55 0.00	39.29 0.47 0.00	41.99 0.46 -0.06	46.53 -0.09 0.00	53.34 0.00 0.00	46.02 0.00 -0.05	39.81 -0.36 -0.04	35.60 -0.21 -0.05	29.97 -0.80 0.00	26.78 -0.91 -0.01	25.79 -0.99 -0.01
BROWNSV1_27_KV_LOAD 356125	28.92 1.70 -6.23	26.32 1.67 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.28 2.01 0.00	36.03 2.67 0.00	45.59 3.57 0.00	43.71 3.57 0.00	40.37 3.27 0.00	41.43 3.35 0.00	41.66 3.37 0.00	41.24 3.37 0.00	42.55 3.48 0.00	42.28 3.46 0.00	47.11 3.94 -1.70	51.14 4.52 0.00	58.62 5.23 -0.06	51.86 4.37 -1.52	45.26 3.93 -1.20	40.33 3.29 -1.27	33.66 2.89 0.00	30.47 2.52 -0.27	29.25 2.28 -0.19
BURROWS___LYONSDAL 23803	19.83 -0.13 1.03	20.49 -0.12 -0.02	23.67 -0.09 -0.03	22.59 -0.10 1.52	25.96 0.33 0.00	28.76 0.48 0.00	34.23 0.87 0.00	43.36 1.34 0.00	41.30 1.16 0.00	38.11 1.00 0.00	39.07 0.99 0.00	39.40 1.11 0.00	38.96 1.10 0.00	40.20 1.13 0.00	39.88 1.05 0.00	42.74 1.20 -0.07	47.83 1.21 0.00	54.88 1.55 0.00	47.08 1.06 -0.06	40.97 0.80 -0.05	36.53 0.72 -0.05	31.17 0.40 0.00	27.88 0.19 -0.01	26.89 0.11 -0.01
CAITHNESS_CC_1 323624	31.39 1.95 -8.45	31.84 1.98 -9.27	28.72 2.18 -2.81	31.97 2.10 -5.66	31.31 2.36 -3.33	32.84 2.43 -2.13	37.12 3.34 -0.42	45.88 3.86 0.00	42.34 2.21 0.00	39.33 2.23 0.00	40.86 2.78 -0.01	41.36 2.91 -0.16	40.79 2.92 -0.01	42.13 3.05 -0.01	41.90 3.07 -0.01	47.76 4.07 -2.22	59.00 4.71 -7.67	65.88 5.49 -7.05	61.70 4.64 -11.09	53.12 4.41 -8.58	49.62 3.75 -10.10	40.23 3.14 -6.32	36.92 2.68 -6.56	33.13 2.38 -3.97
CALPINE BETH_PAGE_GT4 24209	31.27 1.99 -8.29	31.43 1.94 -8.90	28.54 2.14 -2.67	31.68 2.20 -5.27	31.00 2.28 -3.09	32.72 2.46 -1.98	36.96 3.20 -0.39	45.84 3.82 0.00	43.47 3.33 0.00	40.04 2.93 0.00	41.59 3.50 -0.01	41.99 3.52 -0.18	41.44 3.56 -0.01	42.75 3.67 -0.01	42.53 3.69 -0.01	47.99 4.23 -2.28	60.04 4.85 -8.58	66.81 5.60 -7.87	62.92 4.73 -12.22	53.74 4.25 -9.36	50.42 3.65 -11.01	41.06 3.23 -7.06	36.67 2.88 -6.11	33.10 2.62 -3.70
CALPINE_BETH_PAGE_GT_4 323586	31.27 2.00 -8.29	31.43 1.93 -8.90	28.54 2.14 -2.67	31.68 2.20 -5.27	31.00 2.28 -3.09	32.71 2.46 -1.98	36.96 3.20 -0.39	45.80 3.78 0.00	43.15 3.01 0.00	40.08 2.97 0.00	41.52 3.43 -0.01	41.99 3.52 -0.18	41.43 3.56 -0.01	42.75 3.67 -0.01	42.49 3.65 -0.01	47.94 4.19 -2.28	60.00 4.80 -8.58	66.81 5.60 -7.87	62.93 4.74 -12.22	53.74 4.25 -9.36	50.42 3.65 -11.01	41.03 3.20 -7.06	36.72 2.93 -6.11	33.10 2.63 -3.70
CALPINE_BP_GT1 23823	31.27 2.00 -8.29	31.43 1.93 -8.90	28.54 2.14 -2.67	31.68 2.20 -5.27	31.00 2.28 -3.09	32.71 2.46 -1.98	36.96 3.20 -0.39	45.80 3.78 0.00	43.15 3.01 0.00	40.08 2.97 0.00	41.52 3.43 -0.01	41.99 3.52 -0.18	41.43 3.56 -0.01	42.75 3.67 -0.01	42.49 3.65 -0.01	47.94 4.19 -2.28	60.00 4.80 -8.58	66.81 5.60 -7.87	62.93 4.74 -12.22	53.74 4.25 -9.36	50.42 3.65 -11.01	41.03 3.20 -7.06	36.72 2.93 -6.11	33.10 2.63 -3.70
CALSPAN___DRP 24200	20.75 -1.24 -1.00	20.03 -1.21 -0.65	22.33 -1.54 -0.15	22.90 -1.33 -0.03	24.83 -0.79 0.00	27.48 -0.79 0.00	32.40 -0.97 0.00	39.87 -2.14 0.00	38.01 -2.13 0.00	35.07 -2.04 0.00	35.72 -2.36 0.00	35.65 -2.64 0.00	35.29 -2.57 0.00	36.49 -2.58 0.00	36.07 -2.76 0.00	38.34 -3.36 -0.23	43.73 -2.89 0.00	49.98 -3.36 -0.01	42.77 -3.40 -0.21	37.40 -2.89 -0.16	33.29 -2.65 -0.17	29.45 -1.32 0.00	26.20 -1.52 -0.04	25.18 -1.63 -0.03





CORONA_69_KV_TB1 355595	31.09 1.95 -8.14	31.05 1.89 -8.56	28.37 2.09 -2.55	31.27 2.15 -4.92	30.70 2.20 -2.88	32.52 2.40 -1.84	36.79 3.07 -0.36	45.76 3.74 0.00	43.47 3.33 0.00	40.08 2.97 0.00	41.59 3.50 -0.01	42.01 3.48 -0.24	41.40 3.52 -0.01	42.68 3.59 -0.01	42.45 3.61 -0.01	48.00 4.06 -2.46	62.47 4.66 -11.19	68.97 5.39 -10.25	66.00 4.55 -15.48	55.86 4.09 -11.65	52.90 3.47 -13.67	43.09 3.11 -9.21	36.21 2.82 -5.71	32.80 2.57 -3.45
CORTLAND_115KV_TB3 80093	22.31 0.17 -1.15	21.51 0.16 -0.75	24.07 0.17 -0.17	24.48 0.24 -0.04	25.98 0.36 0.00	28.70 0.42 0.00	33.90 0.53 0.00	42.65 0.63 0.00	40.70 0.56 0.00	37.59 0.48 0.00	38.46 0.38 0.00	38.63 0.34 0.00	38.21 0.34 0.00	39.42 0.35 0.00	39.18 0.35 0.00	42.08 0.29 -0.31	47.22 0.61 0.00	54.04 0.69 -0.01	46.75 0.51 -0.28	40.79 0.44 -0.22	36.39 0.39 -0.23	31.20 0.43 0.00	27.95 0.22 -0.05	27.03 0.21 -0.04
COXSACKIE___GT 23611	28.65 0.82 -6.84	25.87 0.82 -4.46	25.70 0.97 -0.99	25.41 0.99 -0.21	26.62 1.00 0.00	29.43 1.16 0.00	34.90 1.54 0.00	44.03 2.02 0.00	42.02 1.89 0.00	38.55 1.45 0.00	39.56 1.48 0.00	39.71 1.42 0.00	39.15 1.29 0.00	40.44 1.37 0.00	40.34 1.51 0.00	45.21 1.87 -1.86	48.95 2.33 0.00	56.54 3.15 -0.06	50.31 2.67 -1.67	43.57 2.13 -1.32	39.09 1.93 -1.39	32.37 1.60 0.00	29.44 1.47 -0.29	28.16 1.18 -0.21
CPV_VALLEY___CC1 323721	26.65 0.69 -4.97	24.51 0.68 -3.24	25.21 0.76 -0.72	25.15 0.80 -0.15	26.44 0.82 0.00	29.12 0.85 0.00	34.56 1.20 0.00	43.53 1.51 0.00	41.62 1.49 0.00	38.41 1.30 0.00	39.37 1.30 0.00	39.66 1.38 0.00	39.23 1.36 0.00	40.52 1.45 0.00	40.27 1.44 0.00	44.49 1.66 -1.35	48.58 1.96 0.00	55.67 2.29 -0.05	49.11 1.93 -1.21	42.77 1.68 -0.96	38.17 1.39 -1.01	32.06 1.29 0.00	29.06 1.16 -0.21	27.89 0.96 -0.15
CPV_VALLEY___CC2 323722	26.65 0.69 -4.97	24.51 0.68 -3.24	25.21 0.76 -0.72	25.15 0.80 -0.15	26.44 0.82 0.00	29.12 0.85 0.00	34.56 1.20 0.00	43.53 1.51 0.00	41.62 1.49 0.00	38.41 1.30 0.00	39.37 1.30 0.00	39.66 1.38 0.00	39.23 1.36 0.00	40.52 1.45 0.00	40.27 1.44 0.00	44.49 1.66 -1.35	48.58 1.96 0.00	55.67 2.29 -0.05	49.11 1.93 -1.21	42.77 1.68 -0.96	38.17 1.39 -1.01	32.06 1.29 0.00	29.06 1.16 -0.21	27.89 0.96 -0.15
CRESCENT___HYD 24018	29.10 0.97 -7.14	26.17 0.93 -4.65	25.79 1.02 -1.04	25.46 1.04 -0.22	26.65 1.03 0.00	29.46 1.19 0.00	34.83 1.47 0.00	43.91 1.89 0.00	42.02 1.89 0.00	38.89 1.78 0.00	39.98 1.90 0.00	40.24 1.95 0.00	39.76 1.89 0.00	40.99 1.91 0.00	40.77 1.94 0.00	45.46 2.03 -1.95	48.90 2.28 0.00	56.17 2.77 -0.07	50.01 2.30 -1.75	43.51 2.01 -1.38	39.05 1.82 -1.46	32.31 1.54 0.00	29.40 1.41 -0.31	28.23 1.23 -0.22
CRICKET___VALLEY_CC1 323756	28.50 1.11 -6.40	25.83 1.07 -4.17	25.82 1.16 -0.93	25.61 1.21 -0.20	26.80 1.18 0.00	29.58 1.30 0.00	35.07 1.70 0.00	44.24 2.23 0.00	42.30 2.17 0.00	39.11 2.00 0.00	40.09 2.02 0.00	40.47 2.18 0.00	40.02 2.16 0.00	41.30 2.23 0.00	41.04 2.21 0.00	45.71 2.49 -1.74	49.42 2.80 0.00	56.70 3.31 -0.06	50.34 2.80 -1.57	43.85 2.49 -1.23	39.22 2.15 -1.30	32.62 1.85 0.00	29.67 1.72 -0.28	28.47 1.50 -0.20
CRICKET___VALLEY_CC2 323757	28.50 1.11 -6.40	25.83 1.07 -4.17	25.82 1.16 -0.93	25.61 1.21 -0.20	26.80 1.18 0.00	29.58 1.30 0.00	35.07 1.70 0.00	44.24 2.23 0.00	42.30 2.17 0.00	39.11 2.00 0.00	40.09 2.02 0.00	40.47 2.18 0.00	40.02 2.16 0.00	41.30 2.23 0.00	41.04 2.21 0.00	45.71 2.49 -1.74	49.42 2.80 0.00	56.70 3.31 -0.06	50.34 2.80 -1.57	43.85 2.49 -1.23	39.22 2.15 -1.30	32.62 1.85 0.00	29.67 1.72 -0.28	28.47 1.50 -0.20
CRICKET___VALLEY_CC3 323758	28.50 1.11 -6.40	25.83 1.07 -4.17	25.82 1.16 -0.93	25.61 1.21 -0.20	26.80 1.18 0.00	29.58 1.30 0.00	35.07 1.70 0.00	44.24 2.23 0.00	42.30 2.17 0.00	39.11 2.00 0.00	40.09 2.02 0.00	40.47 2.18 0.00	40.02 2.16 0.00	41.30 2.23 0.00	41.04 2.21 0.00	45.71 2.49 -1.74	49.42 2.80 0.00	56.70 3.31 -0.06	50.34 2.80 -1.57	43.85 2.49 -1.23	39.22 2.15 -1.30	32.62 1.85 0.00	29.67 1.72 -0.28	28.47 1.50 -0.20
CRUCIBLE_METL_DRP 24180	21.46 -0.04 -0.51	20.96 -0.04 -0.41	23.73 -0.09 -0.10	24.02 -0.02 0.16	25.57 -0.05 0.00	28.22 -0.06 0.00	33.20 -0.17 0.00	41.72 -0.29 0.00	39.86 -0.28 0.00	36.89 -0.22 0.00	37.77 -0.30 0.00	37.94 -0.34 0.00	37.56 -0.30 0.00	38.76 -0.31 0.00	38.52 -0.31 0.00	41.24 -0.41 -0.18	46.25 -0.37 0.00	52.91 -0.43 -0.01	45.76 -0.37 -0.16	39.97 -0.28 -0.13	35.65 -0.25 -0.13	30.59 -0.18 -0.13	27.49 -0.22 -0.03	26.64 -0.16 -0.02
DAHOWA___HYDRO 323763	29.54 1.32 -7.22	26.55 1.26 -4.71	26.18 1.40 -1.05	25.85 1.43 -0.22	27.11 1.49 0.00	30.00 1.73 0.00	35.53 2.17 0.00	44.83 2.82 0.00	42.99 2.85 0.00	39.78 2.67 0.00	41.01 2.93 0.00	41.16 2.87 0.00	40.56 2.69 0.00	41.89 2.81 0.00	41.59 2.76 0.00	46.39 2.95 -1.97	49.98 3.36 0.00	57.40 4.00 -0.07	51.05 3.31 -1.77	44.28 2.77 -1.39	39.82 2.58 -1.47	32.87 2.09 0.00	29.84 1.85 -0.31	28.63 1.63 -0.22
DANC___LFGE 323619	19.94 -0.23 0.82	20.49 -0.25 -0.15	23.53 -0.26 -0.06	22.45 -0.27 1.49	25.60 -0.03 0.00	28.36 0.09 0.00	33.63 0.27 0.00	42.56 0.54 0.00	40.50 0.36 0.00	37.44 0.33 0.00	38.31 0.23 0.00	38.48 0.19 0.00	38.06 0.19 0.00	39.23 0.16 0.00	38.91 0.08 0.00	41.80 0.21 -0.12	46.71 0.09 0.00	53.72 0.38 0.00	46.07 0.00 -0.10	40.21 0.00 -0.08	35.89 0.04 -0.09	30.71 -0.06 0.00	27.45 -0.25 -0.02	26.58 -0.22 -0.01
DANSKAMMER___1 23586	28.54 1.30 -6.25	25.94 1.28 -4.07	26.06 1.42 -0.91	25.85 1.45 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.59 2.51 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.81 2.73 0.00	41.59 2.76 0.00	46.37 3.19 -1.70	50.26 3.64 0.00	57.61 4.21 -0.06	51.08 3.59 -1.53	44.42 3.09 -1.20	39.69 2.65 -1.27	33.05 2.28 0.00	30.03 2.08 -0.27	28.76 1.79 -0.19
DANSKAMMER___2 23589	28.54 1.30 -6.25	25.94 1.28 -4.07	26.06 1.42 -0.91	25.85 1.45 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.59 2.51 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.81 2.73 0.00	41.59 2.76 0.00	46.37 3.19 -1.70	50.26 3.64 0.00	57.61 4.21 -0.06	51.08 3.59 -1.53	44.42 3.09 -1.20	39.69 2.65 -1.27	33.05 2.28 0.00	30.03 2.08 -0.27	28.76 1.79 -0.19
DANSKAMMER___3 23590	28.54 1.30 -6.25	25.94 1.28 -4.07	26.06 1.42 -0.91	25.85 1.45 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.59 2.51 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.81 2.73 0.00	41.59 2.76 0.00	46.37 3.19 -1.70	50.26 3.64 0.00	57.61 4.21 -0.06	51.08 3.59 -1.53	44.42 3.09 -1.20	39.69 2.65 -1.27	33.05 2.28 0.00	30.03 2.08 -0.27	28.76 1.79 -0.19

DANSKAMMER___4 23591	28.54 1.30 -6.25	25.94 1.28 -4.07	26.06 1.42 -0.91	25.85 1.45 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.59 2.51 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.81 2.73 0.00	41.59 2.76 0.00	46.37 3.19 -1.70	50.26 3.64 0.00	57.61 4.21 -0.06	51.08 3.59 -1.53	44.42 3.09 -1.20	39.69 2.65 -1.27	33.05 2.28 0.00	30.03 2.08 -0.27	28.76 1.79 -0.19
DANSKAMMER___DIESEL 23592	28.54 1.30 -6.25	25.94 1.28 -4.07	26.06 1.42 -0.91	25.85 1.45 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.95 2.81 0.00	39.56 2.45 0.00	40.67 2.59 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.81 2.74 0.00	41.62 2.80 0.00	46.37 3.19 -1.70	50.26 3.64 0.00	57.66 4.27 -0.06	51.08 3.59 -1.53	44.42 3.09 -1.20	39.69 2.65 -1.27	33.08 2.31 0.00	29.97 2.02 -0.27	28.76 1.79 -0.19
DARBY___SOLAR 323810	29.44 1.24 -7.21	26.46 1.17 -4.70	26.08 1.30 -1.05	25.76 1.33 -0.22	27.01 1.38 0.00	29.89 1.61 0.00	35.37 2.00 0.00	44.62 2.61 0.00	42.79 2.65 0.00	39.56 2.45 0.00	40.78 2.70 0.00	40.93 2.64 0.00	40.37 2.50 0.00	41.69 2.62 0.00	41.39 2.56 0.00	46.18 2.74 -1.97	49.74 3.12 0.00	57.08 3.68 -0.07	50.81 3.08 -1.77	44.12 2.61 -1.39	39.63 2.40 -1.47	32.74 1.97 0.00	29.73 1.74 -0.31	28.53 1.53 -0.22
DASHVILLE___HYD 23610	28.25 0.88 -6.38	25.61 0.86 -4.16	25.63 0.97 -0.92	25.42 1.02 -0.20	26.65 1.02 0.00	29.29 1.02 0.00	34.80 1.43 0.00	43.91 1.89 0.00	41.94 1.81 0.00	38.67 1.56 0.00	39.68 1.60 0.00	39.93 1.65 0.00	39.53 1.67 0.00	40.83 1.76 0.00	40.61 1.79 0.00	45.33 2.12 -1.74	49.09 2.47 0.00	56.27 2.88 -0.06	49.92 2.39 -1.56	43.48 2.13 -1.23	38.82 1.75 -1.30	32.34 1.57 0.00	29.37 1.41 -0.27	28.23 1.26 -0.20
DEERFIELD_69_KV_DEERFIELD LD 355887	31.75 2.31 -8.45	32.23 2.37 -9.27	29.18 2.63 -2.81	32.43 2.57 -5.66	31.85 2.90 -3.33	33.35 2.94 -2.13	37.95 4.17 -0.42	47.10 5.08 0.00	43.71 3.57 0.00	39.89 2.78 0.00	41.67 3.58 -0.01	42.13 3.68 -0.16	41.47 3.60 -0.01	42.87 3.79 -0.01	42.64 3.81 -0.01	48.80 5.10 -2.22	60.26 5.97 -7.68	67.32 6.93 -7.05	62.95 5.88 -11.10	54.28 5.58 -8.58	50.63 4.76 -10.10	41.00 3.91 -6.32	37.31 3.07 -6.56	33.50 2.76 -3.96
DELAWARE___LFGE 323621	24.41 0.65 -2.76	23.03 0.64 -1.80	24.87 0.74 -0.40	25.09 0.80 -0.08	26.52 0.90 0.00	29.21 0.93 0.00	34.63 1.27 0.00	43.70 1.68 0.00	41.74 1.61 0.00	38.52 1.41 0.00	39.52 1.45 0.00	39.78 1.49 0.00	39.38 1.51 0.00	40.67 1.60 0.00	40.38 1.55 0.00	43.93 1.70 -0.75	48.62 2.00 0.00	55.65 2.29 -0.03	48.53 1.88 -0.67	42.26 1.60 -0.53	37.76 1.43 -0.56	32.06 1.29 0.00	28.82 1.02 -0.12	27.77 0.91 -0.08
DERFIELD_115KV_TB7 355931	21.08 0.00 -0.09	20.65 0.00 -0.06	23.77 0.02 -0.01	24.21 0.00 0.00	25.68 0.05 0.00	28.33 0.06 0.00	33.50 0.13 0.00	42.23 0.21 0.00	40.34 0.20 0.00	37.26 0.15 0.00	38.27 0.19 0.00	38.48 0.19 0.00	38.06 0.19 0.00	39.27 0.20 0.00	39.02 0.19 0.00	41.75 0.25 -0.02	46.85 0.23 0.00	53.60 0.27 0.00	46.17 0.18 -0.02	40.30 0.16 -0.02	35.93 0.14 -0.02	30.86 0.09 0.00	27.77 0.08 0.00	26.84 0.05 0.00
DOGLEVILLE___HYD 23807	20.77 -0.31 -0.09	20.38 -0.27 -0.06	23.48 -0.26 -0.01	24.06 -0.14 0.00	25.68 0.05 0.00	28.47 0.20 0.00	33.73 0.37 0.00	42.56 0.54 0.00	40.66 0.52 0.00	37.59 0.48 0.00	38.57 0.49 0.00	38.86 0.58 0.00	38.47 0.60 0.00	39.66 0.59 0.00	39.33 0.50 0.00	41.91 0.41 -0.02	46.99 0.37 0.00	53.76 0.42 0.00	46.22 0.23 -0.02	40.26 0.12 -0.02	35.86 0.07 -0.02	30.80 0.03 0.00	27.68 0.00 0.00	26.75 -0.03 0.00
DUNKIRK___115KV_TB_200 55889	20.74 -1.28 -1.02	20.04 -1.21 -0.67	22.36 -1.52 -0.15	23.00 -1.23 -0.03	24.88 -0.74 0.00	27.57 -0.71 0.00	32.56 -0.80 0.00	40.08 -1.93 0.00	38.29 -1.85 0.00	35.33 -1.78 0.00	36.06 -2.02 0.00	35.99 -2.30 0.00	35.63 -2.23 0.00	36.84 -2.23 0.00	36.46 -2.37 0.00	38.77 -2.94 -0.24	44.15 -2.47 0.00	50.46 -2.88 -0.01	43.24 -2.94 -0.21	37.76 -2.53 -0.17	33.62 -2.32 -0.18	29.66 -1.11 0.00	26.39 -1.33 -0.04	25.28 -1.53 -0.03
DUNKIRK___1 23563	20.74 -1.28 -1.02	20.04 -1.21 -0.67	22.36 -1.52 -0.15	23.00 -1.23 -0.03	24.88 -0.74 0.00	27.57 -0.71 0.00	32.56 -0.80 0.00	40.08 -1.93 0.00	38.29 -1.85 0.00	35.33 -1.78 0.00	36.06 -2.02 0.00	35.99 -2.30 0.00	35.63 -2.23 0.00	36.84 -2.23 0.00	36.46 -2.37 0.00	38.77 -2.94 -0.24	44.15 -2.47 0.00	50.46 -2.88 -0.01	43.24 -2.94 -0.21	37.76 -2.53 -0.17	33.62 -2.32 -0.18	29.66 -1.11 0.00	26.39 -1.33 -0.04	25.28 -1.53 -0.03
DUNKIRK___2 23564	20.74 -1.28 -1.02	20.04 -1.21 -0.67	22.36 -1.52 -0.15	23.00 -1.23 -0.03	24.88 -0.74 0.00	27.57 -0.71 0.00	32.56 -0.80 0.00	40.08 -1.93 0.00	38.29 -1.85 0.00	35.33 -1.78 0.00	36.06 -2.02 0.00	35.99 -2.30 0.00	35.63 -2.23 0.00	36.84 -2.23 0.00	36.46 -2.37 0.00	38.77 -2.94 -0.24	44.15 -2.47 0.00	50.46 -2.88 -0.01	43.24 -2.94 -0.21	37.76 -2.53 -0.17	33.62 -2.32 -0.18	29.66 -1.11 0.00	26.39 -1.33 -0.04	25.28 -1.53 -0.03
DUNKIRK___3 23565	20.72 -1.28 -1.01	20.01 -1.24 -0.66	22.34 -1.54 -0.15	22.95 -1.28 -0.03	24.86 -0.77 0.00	27.54 -0.74 0.00	32.50 -0.87 0.00	40.04 -1.97 0.00	38.21 -1.93 0.00	35.25 -1.86 0.00	35.95 -2.13 0.00	35.88 -2.41 0.00	35.52 -2.35 0.00	36.73 -2.34 0.00	36.34 -2.48 0.00	38.64 -3.07 -0.23	44.01 -2.61 0.00	50.36 -2.99 -0.01	43.10 -3.08 -0.21	37.64 -2.65 -0.16	33.51 -2.43 -0.17	29.60 -1.17 0.00	26.31 -1.41 -0.04	25.23 -1.58 -0.03
DUNKIRK___4 23566	20.72 -1.28 -1.01	20.01 -1.24 -0.66	22.34 -1.54 -0.15	22.95 -1.28 -0.03	24.86 -0.77 0.00	27.54 -0.74 0.00	32.50 -0.87 0.00	40.04 -1.97 0.00	38.21 -1.93 0.00	35.25 -1.86 0.00	35.95 -2.13 0.00	35.88 -2.41 0.00	35.52 -2.35 0.00	36.73 -2.34 0.00	36.34 -2.48 0.00	38.64 -3.07 -0.23	44.01 -2.61 0.00	50.36 -2.99 -0.01	43.10 -3.08 -0.21	37.64 -2.65 -0.16	33.51 -2.43 -0.17	29.60 -1.17 0.00	26.31 -1.41 -0.04	25.23 -1.58 -0.03
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	28.69 1.47 -6.23	26.09 1.44 -4.06	26.18 1.54 -0.90	25.99 1.60 -0.19	27.24 1.61 0.00	30.03 1.75 0.00	35.70 2.34 0.00	45.13 3.11 0.00	43.19 3.05 0.00	39.85 2.75 0.00	40.93 2.86 0.00	41.20 2.91 0.00	40.74 2.88 0.00	42.04 2.97 0.00	41.82 2.99 0.00	46.57 3.40 -1.70	50.53 3.92 0.00	57.93 4.53 -0.06	51.31 3.82 -1.52	44.70 3.37 -1.20	39.86 2.83 -1.27	33.26 2.49 0.00	30.13 2.19 -0.27	28.92 1.95 -0.19
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	28.41 1.26 -6.16	25.82 1.21 -4.01	25.98 1.35 -0.89	25.80 1.40 -0.19	27.06 1.43 0.00	29.80 1.53 0.00	35.43 2.07 0.00	44.75 2.73 0.00	42.79 2.65 0.00	39.41 2.30 0.00	40.51 2.44 0.00	40.78 2.49 0.00	40.33 2.46 0.00	41.65 2.58 0.00	41.43 2.60 0.00	46.14 2.99 -1.68	50.12 3.50 0.00	57.45 4.05 -0.06	50.88 3.40 -1.51	44.28 2.97 -1.19	39.53 2.50 -1.26	32.99 2.22 0.00	29.88 1.94 -0.27	28.68 1.71 -0.19

E179THST_138_KV_TB4_REV_LBMP_J 345001	29.00 1.78 -6.23	26.38 1.73 -4.06	26.51 1.87 -0.90	26.33 1.94 -0.19	27.60 1.97 0.00	30.08 1.81 0.00	35.60 2.24 0.00	45.00 2.98 0.00	43.15 3.01 0.00	39.89 2.78 0.00	40.93 2.86 0.00	41.20 2.91 0.00	40.74 2.88 0.00	42.08 3.01 0.00	41.82 2.99 0.00	46.49 3.32 -1.70	50.44 3.82 0.00	57.77 4.37 -0.06	51.17 3.68 -1.52	44.70 3.37 -1.20	39.86 2.83 -1.27	33.30 2.52 0.00	30.24 2.30 -0.27	29.23 2.25 -0.20
E179THST_13_KV_LOAD 356214	29.07 1.85 -6.23	26.44 1.79 -4.06	26.58 1.95 -0.90	26.40 2.01 -0.19	27.67 2.05 0.00	30.17 1.89 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.08 2.97 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.67 4.06 0.00	58.09 4.69 -0.06	51.40 3.91 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.42 2.65 0.00	30.36 2.41 -0.27	29.33 2.36 -0.20
EAST HAMPTON___GT 23717	31.96 2.52 -8.45	32.43 2.57 -9.27	29.39 2.85 -2.81	32.67 2.81 -5.66	32.08 3.12 -3.33	33.63 3.22 -2.13	38.32 4.54 -0.42	47.56 5.55 0.00	43.47 3.33 0.00	40.37 3.27 0.00	42.12 4.03 -0.01	42.63 4.17 -0.16	41.93 4.05 -0.01	43.38 4.30 -0.01	43.11 4.27 -0.01	49.29 5.60 -2.22	60.87 6.57 -7.68	68.01 7.63 -7.05	63.55 6.48 -11.10	54.80 6.10 -8.58	51.05 5.18 -10.10	41.34 4.25 -6.32	37.67 3.43 -6.56	33.77 3.03 -3.96
EAST RIVER___6 23660	28.86 1.64 -6.23	26.28 1.63 -4.06	26.37 1.73 -0.90	26.19 1.79 -0.19	27.42 1.79 0.00	30.20 1.92 0.00	35.84 2.60 0.13	44.95 3.45 0.51	43.23 3.45 0.36	40.01 3.19 0.29	40.61 3.20 0.67	41.16 3.33 0.46	40.54 3.29 0.62	41.84 3.44 0.67	41.57 3.42 0.68	46.04 3.90 -0.66	49.38 4.43 1.67	56.82 5.01 1.53	50.19 4.28 0.05	44.46 3.85 -0.48	39.56 3.15 -0.65	33.54 2.77 0.00	30.47 2.52 -0.27	29.17 2.20 -0.19
EAST RIVER___7 23524	28.86 1.64 -6.23	26.28 1.63 -4.06	26.37 1.73 -0.90	26.19 1.79 -0.19	27.42 1.79 0.00	30.20 1.92 0.00	35.84 2.60 0.13	44.95 3.45 0.51	43.23 3.45 0.36	40.01 3.19 0.29	40.61 3.20 0.67	41.16 3.33 0.46	40.54 3.29 0.62	41.84 3.44 0.67	41.57 3.42 0.68	46.04 3.90 -0.66	49.38 4.43 1.67	56.82 5.01 1.53	50.19 4.28 0.05	44.46 3.85 -0.48	39.56 3.15 -0.65	33.54 2.77 0.00	30.47 2.52 -0.27	29.17 2.20 -0.19
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	28.62 1.41 -6.22	26.05 1.40 -4.06	26.15 1.52 -0.90	25.97 1.57 -0.19	27.21 1.59 0.00	29.97 1.70 0.00	35.63 2.27 0.00	45.04 3.03 0.00	43.07 2.93 0.00	39.74 2.63 0.00	40.86 2.78 0.00	41.08 2.80 0.00	40.67 2.80 0.00	41.96 2.89 0.00	41.74 2.91 0.00	46.45 3.28 -1.70	50.44 3.82 0.00	57.82 4.43 -0.06	51.17 4.43 -1.52	44.61 3.68 -1.20	39.79 3.29 -1.27	33.20 2.75 0.00	30.08 2.43 -0.27	28.87 2.13 -0.19
EAST_HAMPTON___DIESEL 23722	31.96 2.52 -8.45	32.43 2.57 -9.27	29.39 2.85 -2.81	32.67 2.81 -5.66	32.11 3.15 -3.33	33.63 3.22 -2.13	38.32 4.54 -0.42	47.56 5.55 0.00	43.47 3.33 0.00	40.37 3.27 0.00	42.12 4.03 -0.01	42.63 4.17 -0.16	41.97 4.09 -0.01	43.42 4.34 -0.01	43.11 4.27 -0.01	49.29 5.60 -2.22	60.87 6.57 -7.68	68.01 7.63 -7.05	63.59 6.52 -11.10	54.85 6.14 -8.58	51.05 5.18 -10.10	41.34 4.25 -6.32	37.67 3.43 -6.56	33.77 3.03 -3.96
EAST_POINT___SOLAR 323840	30.44 1.59 -7.85	27.19 1.48 -5.12	26.53 1.66 -1.14	26.16 1.72 -0.24	27.57 1.95 0.00	30.59 2.32 0.00	36.43 3.07 0.00	46.01 3.99 0.00	43.99 3.85 0.00	40.48 3.38 0.00	41.54 3.46 0.00	41.24 2.95 0.00	40.56 2.69 0.00	42.28 3.20 0.00	42.09 3.26 0.00	47.31 3.69 -2.14	51.19 4.57 0.00	58.85 5.44 -0.07	52.40 4.51 -1.92	45.41 3.77 -1.51	40.84 3.47 -1.60	33.54 2.77 0.00	30.40 2.38 -0.34	29.05 2.03 -0.24
EAST_PULASKI___ESR 323781	20.57 -0.21 0.21	20.63 -0.21 -0.24	23.54 -0.26 -0.07	23.15 -0.24 0.82	25.47 -0.15 0.00	28.16 -0.11 0.00	33.20 -0.17 0.00	41.89 -0.13 0.00	39.90 -0.24 0.00	36.92 -0.18 0.00	37.81 -0.26 0.00	37.98 -0.31 0.00	37.56 -0.30 0.00	38.72 -0.35 0.00	38.48 -0.35 0.00	41.23 -0.37 -0.13	46.15 -0.47 0.00	52.97 -0.37 0.00	45.54 -0.55 -0.12	39.78 -0.44 -0.09	35.51 -0.36 -0.10	30.46 -0.31 0.00	27.31 -0.39 -0.02	26.50 -0.29 -0.01
EAST_RIVER___1 323558	28.82 1.59 -6.23	26.21 1.56 -4.06	26.32 1.69 -0.90	26.14 1.74 -0.19	27.39 1.77 0.00	30.17 1.89 0.00	35.74 2.50 0.13	44.82 3.32 0.51	43.07 3.29 0.36	39.86 3.04 0.29	40.46 3.05 0.67	41.00 3.18 0.46	40.43 3.18 0.62	41.68 3.28 0.67	41.41 3.26 0.68	45.87 3.73 -0.66	49.15 4.20 1.67	56.66 4.85 1.53	50.00 4.09 0.05	44.29 3.69 -0.48	39.49 3.08 -0.65	33.45 2.68 0.00	30.38 2.44 -0.27	29.11 2.14 -0.19
EAST_RIVER___2 323559	28.86 1.64 -6.23	26.28 1.63 -4.06	26.37 1.73 -0.90	26.19 1.79 -0.19	27.42 1.79 0.00	30.20 1.92 0.00	35.84 2.60 0.13	44.95 3.45 0.51	43.23 3.45 0.36	40.01 3.19 0.29	40.61 3.20 0.67	41.16 3.33 0.46	40.54 3.29 0.62	41.84 3.44 0.67	41.57 3.42 0.68	46.04 3.90 -0.66	49.38 4.43 1.67	56.82 5.01 1.53	50.19 4.28 0.05	44.46 3.85 -0.48	39.56 3.15 -0.65	33.54 2.77 0.00	30.47 2.52 -0.27	29.17 2.20 -0.19
EAST___DELAWARE_HYD 23607	27.81 0.99 -5.83	25.36 0.97 -3.80	25.65 1.07 -0.85	25.50 1.11 -0.18	26.80 1.18 0.00	29.52 1.24 0.00	35.13 1.77 0.00	44.33 2.31 0.00	42.34 2.21 0.00	38.96 1.85 0.00	39.91 1.83 0.00	40.28 1.99 0.00	39.83 1.97 0.00	41.18 2.11 0.00	40.96 2.13 0.00	45.64 2.57 -1.59	49.61 2.99 0.00	56.91 3.52 -0.05	50.38 2.99 -1.43	43.82 2.57 -1.12	39.10 2.15 -1.19	32.65 1.88 0.00	29.65 1.72 -0.25	28.38 1.42 -0.18
EIGHT_POINT___WT_PWR 323820	21.29 -0.99 -1.28	20.62 -0.80 -0.83	23.09 -0.83 -0.19	23.71 -0.53 -0.04	25.73 0.10 0.00	28.50 0.23 0.00	33.83 0.47 0.00	42.23 0.21 0.00	40.10 -0.04 0.00	36.96 -0.15 0.00	37.89 -0.19 0.00	37.52 -0.77 0.00	37.03 -0.83 0.00	38.21 -0.86 0.00	37.82 -1.01 0.00	40.23 -1.58 -0.33	45.73 -0.89 0.00	52.28 -1.07 -0.01	44.84 -1.43 -0.29	38.91 -1.44 -0.23	34.58 -1.43 -0.25	30.07 -0.71 0.00	26.74 -1.00 -0.06	25.42 -1.39 -0.04
ELBRIDGE_115KV_TB2 80188	21.54 -0.15 -0.70	20.90 -0.14 -0.45	23.64 -0.19 -0.10	24.08 -0.15 -0.02	25.44 -0.18 0.00	28.08 -0.20 0.00	33.03 -0.33 0.00	41.51 -0.50 0.00	39.66 -0.48 0.00	36.66 -0.45 0.00	37.54 -0.53 0.00	37.71 -0.57 0.00	37.30 -0.57 0.00	38.49 -0.59 0.00	38.28 -0.54 0.00	41.00 -0.66 -0.19	46.01 -0.61 0.00	52.65 -0.69 -0.01	45.49 -0.64 -0.17	39.74 -0.52 -0.13	35.44 -0.46 -0.14	30.43 -0.34 0.00	27.38 -0.33 -0.03	26.53 -0.27 -0.02
ELEC_TRO_TEK 24086	30.93 1.83 -8.11	30.88 1.79 -8.50	28.23 1.97 -2.52	31.08 2.03 -4.85	30.53 2.08 -2.84	32.35 2.26 -1.81	36.66 2.94 -0.35	45.59 3.57 0.00	43.31 3.17 0.00	39.93 2.82 0.00	41.40 3.31 -0.01	41.82 3.29 -0.23	41.21 3.33 -0.01	42.48 3.40 -0.01	42.26 3.42 -0.01	47.82 3.90 -2.45	62.05 4.43 -11.00	68.59 5.17 -10.08	65.53 4.32 -15.25	55.52 3.89 -11.50	52.60 3.33 -13.50	42.78 2.95 -9.05	35.96 2.66 -5.63	32.59 2.41 -3.40

ELLENBURG_WT_PWR 323604	9.96 -2.33 8.70	17.40 -2.35 0.84	21.59 -2.16 -0.02	10.45 -3.17 10.59	23.81 -1.82 0.00	26.89 -1.38 0.00	32.47 -0.90 0.00	41.64 -0.38 0.00	39.61 -0.52 0.00	36.81 -0.30 0.00	37.39 -0.68 0.00	38.25 -0.04 0.00	37.79 -0.08 0.00	38.84 -0.23 0.00	38.52 -0.31 0.00	40.89 -0.62 -0.03	44.43 -2.19 0.00	50.46 -2.88 0.00	43.15 -2.85 -0.03	37.98 -2.17 -0.02	33.97 -1.82 -0.03	28.43 -2.34 0.00	25.19 -2.49 -0.01	24.53 -2.25 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	20.76 -1.22 -0.98	20.03 -1.19 -0.64	22.33 -1.54 -0.14	22.85 -1.38 -0.03	24.62 -1.00 0.00	27.23 -1.05 0.00	32.06 -1.30 0.00	39.45 -2.56 0.00	37.61 -2.53 0.00	34.73 -2.37 0.00	35.34 -2.74 0.00	35.26 -3.02 0.00	34.91 -2.95 0.00	36.10 -2.97 0.00	35.72 -3.11 0.00	38.05 -3.65 -0.22	43.26 -3.36 0.00	49.45 -3.89 -0.01	42.44 -3.72 -0.20	37.19 -3.09 -0.16	33.11 -2.83 -0.17	29.20 -1.57 0.00	26.14 -1.58 -0.04	25.10 -1.71 -0.03
EMPIRE_CC_1 323656	28.57 0.69 -6.89	25.76 0.68 -4.49	25.49 0.76 -1.00	25.19 0.77 -0.21	26.34 0.72 0.00	29.07 0.79 0.00	34.27 0.90 0.00	43.19 1.17 0.00	41.26 1.12 0.00	38.22 1.11 0.00	39.26 1.18 0.00	39.55 1.26 0.00	39.08 1.21 0.00	40.24 1.17 0.00	40.07 1.24 0.00	44.64 1.29 -1.88	48.02 1.40 0.00	55.11 1.71 -0.06	49.12 1.47 -1.69	42.74 1.28 -1.33	38.35 1.18 -1.40	31.82 1.05 0.00	29.05 1.08 -0.30	27.93 0.94 -0.21
EMPIRE_CC_2 323658	28.57 0.69 -6.89	25.76 0.68 -4.49	25.49 0.76 -1.00	25.19 0.77 -0.21	26.34 0.72 0.00	29.07 0.79 0.00	34.27 0.90 0.00	43.19 1.17 0.00	41.26 1.12 0.00	38.22 1.11 0.00	39.26 1.18 0.00	39.55 1.26 0.00	39.08 1.21 0.00	40.24 1.17 0.00	40.07 1.24 0.00	44.64 1.29 -1.88	48.02 1.40 0.00	55.11 1.71 -0.06	49.12 1.47 -1.69	42.74 1.28 -1.33	38.35 1.18 -1.40	31.82 1.05 0.00	29.05 1.08 -0.30	27.93 0.94 -0.21
ENORWICH_115KV_TB1 80156	24.16 1.20 -1.97	23.07 1.19 -1.29	25.32 1.31 -0.29	25.79 1.52 -0.06	27.52 1.90 0.00	30.48 2.21 0.00	36.37 3.00 0.00	46.01 3.99 0.00	43.75 3.61 0.00	40.26 3.15 0.00	41.16 3.08 0.00	41.54 3.25 0.00	41.20 3.33 0.00	42.55 3.48 0.00	42.17 3.34 0.00	45.62 3.61 -0.53	51.00 4.38 0.00	58.58 5.23 -0.02	50.58 4.14 -0.48	44.03 3.53 -0.38	39.28 3.11 -0.40	33.51 2.74 0.00	29.81 2.05 -0.09	28.71 1.87 -0.06
ERIE_ST_34_KV_TB1-2 80199	20.56 -1.45 -1.01	19.83 -1.42 -0.66	22.08 -1.80 -0.15	22.78 -1.45 -0.03	25.19 -0.44 0.00	27.94 -0.34 0.00	33.03 -0.33 0.00	40.67 -1.34 0.00	38.73 -1.40 0.00	35.66 -1.45 0.00	36.33 -1.75 0.00	36.26 -2.03 0.00	35.90 -1.97 0.00	37.08 -1.99 0.00	36.69 -2.14 0.00	38.68 -3.03 -0.23	44.57 -2.05 0.00	51.00 -2.35 -0.01	43.14 -3.03 -0.21	37.52 -2.77 -0.17	33.40 -2.54 -0.18	29.91 -0.86 0.00	26.03 -1.69 -0.04	25.07 -1.74 -0.03
ERIE_WT_PWR 323693	20.75 -1.24 -1.00	20.03 -1.21 -0.65	22.34 -1.54 -0.15	22.88 -1.35 -0.03	24.83 -0.79 0.00	27.51 -0.76 0.00	32.43 -0.93 0.00	40.21 -1.81 0.00	38.17 -1.97 0.00	35.10 -2.00 0.00	36.25 -1.83 0.00	35.65 -2.64 0.00	35.29 -2.58 0.00	36.49 -2.58 0.00	36.19 -2.64 0.00	38.30 -3.40 -0.23	43.73 -2.89 0.00	49.99 -3.36 -0.01	42.86 -3.31 -0.21	37.40 -2.89 -0.16	33.33 -2.61 -0.17	29.51 -1.26 0.00	26.28 -1.44 -0.04	25.10 -1.71 -0.03
ESPRGFLD_115KV_TB1 80157	22.46 1.05 -0.42	21.87 1.01 -0.27	24.91 1.12 -0.06	25.40 1.19 -0.01	27.03 1.41 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.87 2.73 0.00	39.48 2.37 0.00	40.51 2.44 0.00	40.70 2.41 0.00	40.18 2.31 0.00	41.57 2.50 0.00	41.31 2.48 0.00	44.28 2.70 -0.11	49.88 3.26 0.00	57.23 3.89 0.00	49.24 3.17 -0.10	42.85 2.65 -0.08	38.25 2.40 -0.08	32.77 2.00 0.00	29.33 1.63 -0.02	28.24 1.45 -0.01
ETNA_115_KV_TB1_REV_LBMP_C 345029	22.70 0.29 -1.42	21.78 0.27 -0.92	24.22 0.28 -0.21	24.63 0.39 -0.04	26.14 0.51 0.00	28.87 0.59 0.00	34.17 0.80 0.00	42.98 0.97 0.00	40.98 0.84 0.00	37.85 0.74 0.00	38.69 0.61 0.00	38.86 0.57 0.00	38.43 0.57 0.00	39.62 0.55 0.00	39.41 0.58 0.00	42.40 0.54 -0.38	47.55 0.93 0.00	54.47 1.12 -0.01	47.18 0.87 -0.34	41.16 0.76 -0.27	36.73 0.68 -0.28	31.45 0.68 0.00	28.16 0.42 -0.06	27.17 0.35 -0.04
ETNA____115KV_TB2 80207	22.70 0.29 -1.42	21.78 0.27 -0.92	24.22 0.28 -0.21	24.63 0.39 -0.04	26.14 0.51 0.00	28.87 0.59 0.00	34.17 0.80 0.00	42.98 0.97 0.00	40.98 0.84 0.00	37.85 0.74 0.00	38.69 0.61 0.00	38.86 0.57 0.00	38.43 0.57 0.00	39.62 0.55 0.00	39.41 0.58 0.00	42.40 0.54 -0.38	47.55 0.93 0.00	54.47 1.12 -0.01	47.18 0.87 -0.34	41.16 0.76 -0.27	36.73 0.68 -0.28	31.45 0.68 0.00	28.16 0.42 -0.06	27.17 0.35 -0.04
EUCLID____115KV_TB2 356179	21.11 -0.25 -0.37	20.68 -0.25 -0.34	23.50 -0.31 -0.08	23.71 -0.29 0.20	25.29 -0.33 0.00	27.91 -0.37 0.00	32.80 -0.57 0.00	41.18 -0.84 0.00	39.34 -0.80 0.00	36.40 -0.71 0.00	37.28 -0.80 0.00	37.45 -0.84 0.00	37.07 -0.80 0.00	38.25 -0.82 0.00	38.01 -0.82 0.00	40.67 -0.95 -0.15	45.64 -0.98 0.00	52.22 -1.12 -0.01	45.14 -0.97 -0.14	39.43 -0.80 -0.11	35.16 -0.72 -0.11	30.22 -0.55 0.00	27.20 -0.50 -0.02	26.37 -0.43 -0.02
E_CANADA_CAP_HY 24051	30.48 1.34 -8.15	27.18 1.28 -5.31	26.34 1.42 -1.18	25.93 1.48 -0.25	27.29 1.66 0.00	30.25 1.98 0.00	35.97 2.60 0.00	45.38 3.36 0.00	43.35 3.21 0.00	39.93 2.82 0.00	40.97 2.89 0.00	41.01 2.72 0.00	40.40 2.54 0.00	41.85 2.77 0.00	41.66 2.83 0.00	46.72 3.03 -2.22	50.39 3.77 0.00	57.94 4.53 -0.08	51.68 3.72 -1.99	44.83 3.13 -1.57	40.29 2.86 -1.66	33.08 2.31 0.00	30.08 2.05 -0.35	28.77 1.74 -0.25
E_CANADA_MHWK_HY 24050	20.77 -0.31 -0.09	20.38 -0.27 -0.06	23.48 -0.26 -0.01	24.06 -0.14 0.00	25.68 0.05 0.00	28.47 0.20 0.00	33.73 0.37 0.00	42.56 0.54 0.00	40.66 0.52 0.00	37.59 0.48 0.00	38.57 0.49 0.00	38.86 0.58 0.00	38.47 0.60 0.00	39.66 0.59 0.00	39.33 0.50 0.00	41.91 0.41 -0.02	46.99 0.37 0.00	53.76 0.42 0.00	46.22 0.23 -0.02	40.26 0.12 -0.02	35.86 0.07 -0.02	30.80 0.03 0.00	27.68 0.00 0.00	26.75 -0.03 0.00
E_FISHKILL____LBMP 23776	28.52 1.24 -6.29	25.90 1.21 -4.10	25.97 1.33 -0.91	25.75 1.36 -0.19	26.98 1.36 0.00	29.75 1.47 0.00	35.33 1.97 0.00	44.62 2.60 0.00	42.67 2.53 0.00	39.41 2.30 0.00	40.48 2.40 0.00	40.74 2.45 0.00	40.29 2.42 0.00	41.57 2.50 0.00	41.35 2.52 0.00	46.05 2.86 -1.71	49.88 3.26 0.00	57.23 3.84 -0.06	50.72 3.22 -1.54	44.18 2.85 -1.21	39.44 2.40 -1.28	32.90 2.12 0.00	29.80 1.85 -0.27	28.63 1.66 -0.19
FALCON____SEABRD_CC1 323796	10.20 -2.12 8.68	17.61 -2.14 0.84	21.83 -1.92 -0.02	10.64 -3.00 10.56	24.06 -1.56 0.00	27.20 -1.07 0.00	32.70 -0.67 0.00	41.97 -0.04 0.00	39.90 -0.24 0.00	37.11 0.00 0.00	37.66 -0.42 0.00	38.52 0.23 0.00	38.10 0.23 0.00	39.11 0.04 0.00	38.79 -0.04 0.00	41.14 -0.37 -0.03	44.43 -2.19 0.00	50.46 -2.88 0.00	43.15 -2.85 -0.03	38.22 -1.93 -0.02	34.22 -1.57 -0.03	28.77 -2.00 0.00	25.47 -2.22 -0.01	24.80 -1.98 0.00





FPL FAR_ROCK_GT2 23815	31.30 2.10 -8.21	31.36 2.04 -8.73	28.60 2.26 -2.61	31.65 2.35 -5.09	30.99 2.38 -2.98	32.78 2.60 -1.91	37.07 3.34 -0.37	46.01 3.99 0.00	43.47 3.33 0.00	40.41 3.30 0.00	41.86 3.77 -0.01	42.34 3.83 -0.22	41.74 3.86 -0.01	43.03 3.94 -0.01	42.80 3.96 -0.01	48.28 4.39 -2.41	62.07 5.04 -10.42	68.75 5.87 -9.55	65.45 4.97 -14.52	55.46 4.41 -10.92	52.36 3.79 -12.81	42.70 3.35 -8.58	36.69 3.10 -5.91	33.14 2.78 -3.57
FRANKLIN_FALL_HYD 24054	10.78 -2.08 8.13	17.72 -2.10 0.77	21.85 -1.90 -0.02	11.30 -2.98 9.93	24.06 -1.56 0.00	27.20 -1.07 0.00	33.07 -0.30 0.00	42.44 0.42 0.00	40.26 0.12 0.00	37.41 0.30 0.00	38.00 -0.08 0.00	38.86 0.57 0.00	38.40 0.53 0.00	39.42 0.35 0.00	39.10 0.27 0.00	41.51 0.00 -0.04	45.31 -1.31 0.00	51.58 -1.76 0.00	45.04 -0.97 -0.03	38.71 -1.44 -0.03	34.72 -1.07 -0.03	28.86 -1.91 0.00	25.80 -1.88 -0.01	24.83 -1.95 0.00
FREEPORT_EQUS_GT1 23764	31.20 1.97 -8.23	31.30 1.93 -8.77	28.47 2.11 -2.63	31.54 2.20 -5.14	30.89 2.26 -3.01	32.66 2.46 -1.93	36.91 3.17 -0.38	45.80 3.78 0.00	43.19 3.05 0.00	40.11 3.00 0.00	41.55 3.46 -0.01	42.00 3.52 -0.19	41.43 3.56 -0.01	42.75 3.67 -0.01	42.49 3.65 -0.01	47.97 4.19 -2.31	60.38 4.80 -8.96	67.15 5.60 -8.22	63.44 4.78 -12.70	54.05 4.25 -9.67	50.78 3.65 -11.36	41.35 3.20 -7.37	36.60 2.96 -5.96	33.01 2.63 -3.60
FREEPORT___CT2 23818	31.20 1.97 -8.23	31.30 1.93 -8.77	28.47 2.11 -2.63	31.54 2.20 -5.14	30.89 2.26 -3.01	32.66 2.46 -1.93	36.91 3.17 -0.38	45.80 3.78 0.00	43.19 3.05 0.00	40.11 3.00 0.00	41.55 3.46 -0.01	42.00 3.52 -0.19	41.43 3.56 -0.01	42.75 3.67 -0.01	42.49 3.65 -0.01	47.97 4.19 -2.31	60.38 4.80 -8.96	67.15 5.60 -8.22	63.44 4.78 -12.70	54.05 4.25 -9.67	50.78 3.65 -11.36	41.35 3.20 -7.37	36.60 2.96 -5.96	33.01 2.63 -3.60
FRESHKLS_33_KV_LOAD 356253	28.94 1.72 -6.23	26.30 1.65 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.84 0.00	30.11 1.84 0.00	35.77 2.40 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.05 2.97 0.00	41.31 3.02 0.00	40.86 2.99 0.00	42.20 3.13 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.72 4.10 0.00	58.25 4.85 -0.06	51.54 4.05 -1.52	45.10 3.77 -1.20	40.11 3.08 -1.27	33.54 2.77 0.00	30.41 2.46 -0.27	29.23 2.25 -0.20
FULTON COGEN____ 23766	21.07 -0.25 -0.33	20.67 -0.25 -0.33	23.48 -0.33 -0.08	23.69 -0.29 0.22	25.27 -0.36 0.00	27.88 -0.40 0.00	32.76 -0.60 0.00	41.18 -0.84 0.00	39.34 -0.80 0.00	36.40 -0.71 0.00	37.28 -0.80 0.00	37.45 -0.84 0.00	37.03 -0.83 0.00	38.21 -0.86 0.00	37.97 -0.85 0.00	40.67 -0.95 -0.15	45.64 -0.98 0.00	52.22 -1.12 0.00	45.18 -0.92 -0.13	39.46 -0.76 -0.10	35.20 -0.68 -0.11	30.22 -0.55 0.00	27.18 -0.53 -0.02	26.37 -0.43 -0.02
FULTON___LFGE 323630	30.16 1.39 -7.78	26.96 1.30 -5.07	26.33 1.47 -1.13	25.94 1.50 -0.24	27.31 1.69 0.00	30.28 2.01 0.00	35.97 2.60 0.00	45.38 3.36 0.00	43.39 3.25 0.00	40.00 2.90 0.00	41.13 3.05 0.00	41.16 2.87 0.00	40.52 2.65 0.00	42.00 2.93 0.00	41.78 2.95 0.00	46.83 3.24 -2.12	50.54 3.92 0.00	58.10 4.69 -0.07	51.78 3.91 -1.90	44.87 3.25 -1.50	40.32 2.97 -1.59	33.17 2.40 0.00	30.09 2.08 -0.34	28.78 1.77 -0.24
G.F.CEMENT___DRP 24184	29.72 1.49 -7.24	26.71 1.40 -4.72	26.35 1.57 -1.05	26.00 1.57 -0.22	27.31 1.69 0.00	30.25 1.98 0.00	35.87 2.50 0.00	45.29 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.58 3.50 0.00	41.62 3.33 0.00	40.97 3.11 0.00	42.28 3.20 0.00	41.97 3.15 0.00	46.77 3.32 -1.98	50.49 3.87 0.00	57.94 4.53 -0.07	51.46 3.72 -1.77	44.65 3.13 -1.40	40.14 2.90 -1.48	33.11 2.34 0.00	30.01 2.02 -0.31	28.79 1.79 -0.22
GARDENVILLE___LBMP 24039	20.73 -1.26 -1.00	20.01 -1.24 -0.65	22.31 -1.57 -0.14	22.86 -1.38 -0.03	24.73 -0.90 0.00	27.37 -0.90 0.00	32.26 -1.10 0.00	39.71 -2.31 0.00	37.85 -2.29 0.00	34.92 -2.19 0.00	35.56 -2.51 0.00	35.49 -2.80 0.00	35.14 -2.73 0.00	36.34 -2.74 0.00	35.92 -2.91 0.00	38.22 -3.48 -0.23	43.54 -3.08 0.00	49.77 -3.57 -0.01	42.63 -3.54 -0.20	37.28 -3.01 -0.16	33.22 -2.72 -0.17	29.36 -1.42 0.00	26.14 -1.58 -0.04	25.12 -1.69 -0.03
GARDNVLA_35_KV_LD 355827	20.80 -1.20 -1.00	20.07 -1.17 -0.65	22.36 -1.52 -0.15	22.95 -1.28 -0.03	24.86 -0.77 0.00	27.54 -0.74 0.00	32.46 -0.90 0.00	39.96 -2.06 0.00	38.09 -2.05 0.00	35.14 -1.97 0.00	35.79 -2.28 0.00	35.72 -2.57 0.00	35.37 -2.50 0.00	36.57 -2.50 0.00	36.15 -2.68 0.00	38.43 -3.28 -0.23	43.82 -2.80 0.00	50.09 -3.25 -0.01	42.86 -3.31 -0.21	37.48 -2.81 -0.16	33.36 -2.58 -0.17	29.51 -1.26 0.00	26.26 -1.47 -0.04	25.23 -1.58 -0.03
GELCKHM___115KV_LOAD 80723	21.25 -0.17 -0.42	20.79 -0.16 -0.37	23.58 -0.24 -0.09	23.83 -0.19 0.18	25.39 -0.23 0.00	28.02 -0.25 0.00	32.93 -0.43 0.00	41.39 -0.63 0.00	39.54 -0.60 0.00	36.59 -0.52 0.00	37.47 -0.61 0.00	37.64 -0.65 0.00	37.26 -0.61 0.00	38.45 -0.63 0.00	38.21 -0.62 0.00	40.89 -0.75 -0.16	45.87 -0.75 0.00	52.49 -0.85 -0.01	45.38 -0.74 -0.14	39.64 -0.60 -0.11	35.35 -0.54 -0.12	30.34 -0.43 0.00	27.32 -0.39 -0.03	26.48 -0.32 -0.02
GENERAL___MILLS 23808	20.75 -1.24 -1.00	20.03 -1.21 -0.65	22.33 -1.54 -0.15	22.90 -1.33 -0.03	24.83 -0.79 0.00	27.48 -0.79 0.00	32.40 -0.97 0.00	39.87 -2.14 0.00	38.01 -2.13 0.00	35.07 -2.04 0.00	35.72 -2.36 0.00	35.65 -2.64 0.00	35.29 -2.57 0.00	36.49 -2.58 0.00	36.07 -2.76 0.00	38.34 -3.36 -0.23	43.73 -2.89 0.00	49.98 -3.36 -0.01	42.77 -3.40 -0.21	37.40 -2.89 -0.16	33.29 -2.65 -0.17	29.45 -1.32 0.00	26.20 -1.52 -0.04	25.18 -1.63 -0.03
GE_PLASTICS___DRP 24183	28.49 0.46 -7.03	25.65 0.47 -4.59	25.30 0.55 -1.02	24.98 0.56 -0.22	26.11 0.49 0.00	28.78 0.51 0.00	34.03 0.67 0.00	42.94 0.92 0.00	41.06 0.92 0.00	37.96 0.85 0.00	39.03 0.95 0.00	39.25 0.96 0.00	38.78 0.91 0.00	40.01 0.94 0.00	39.80 0.97 0.00	44.47 1.08 -1.92	47.83 1.21 0.00	54.84 1.44 -0.07	48.89 1.20 -1.72	42.52 1.04 -1.36	38.13 0.93 -1.44	31.57 0.80 0.00	28.73 0.75 -0.30	27.61 0.62 -0.22
GILBOA___1 23756	27.27 0.54 -5.73	24.86 0.53 -3.73	25.25 0.69 -0.83	25.10 0.73 -0.18	26.34 0.72 0.00	28.95 0.68 0.00	34.27 0.90 0.00	43.19 1.17 0.00	41.30 1.16 0.00	38.15 1.04 0.00	39.14 1.06 0.00	39.40 1.11 0.00	38.97 1.10 0.00	40.21 1.13 0.00	39.95 1.13 0.00	44.32 1.29 -1.56	47.97 1.35 0.00	54.88 1.49 -0.05	48.75 1.38 -1.40	42.43 1.20 -1.10	38.04 1.11 -1.17	31.73 0.95 0.00	28.81 0.89 -0.25	27.70 0.75 -0.18
GILBOA___2 23757	27.27 0.54 -5.73	24.86 0.53 -3.73	25.25 0.69 -0.83	25.10 0.73 -0.18	26.34 0.72 0.00	28.95 0.68 0.00	34.27 0.90 0.00	43.19 1.17 0.00	41.30 1.16 0.00	38.15 1.04 0.00	39.14 1.06 0.00	39.40 1.11 0.00	38.97 1.10 0.00	40.21 1.13 0.00	39.95 1.13 0.00	44.32 1.29 -1.56	47.97 1.35 0.00	54.88 1.49 -0.05	48.75 1.38 -1.40	42.43 1.20 -1.10	38.04 1.11 -1.17	31.73 0.95 0.00	28.81 0.89 -0.25	27.70 0.75 -0.18

GILBOA___3 23758	27.27 0.54 -5.73	24.86 0.53 -3.73	25.25 0.69 -0.83	25.10 0.73 -0.18	26.34 0.72 0.00	28.95 0.68 0.00	34.27 0.90 0.00	43.19 1.17 0.00	41.30 1.16 0.00	38.15 1.04 0.00	39.14 1.06 0.00	39.40 1.11 0.00	38.97 1.10 0.00	40.21 1.13 0.00	39.95 1.13 0.00	44.32 1.29 -1.56	47.97 1.35 0.00	54.88 1.49 -0.05	48.75 1.38 -1.40	42.43 1.20 -1.10	38.04 1.11 -1.17	31.73 0.95 0.00	28.81 0.89 -0.25	27.70 0.75 -0.18
GILBOA___4 23759	27.27 0.54 -5.73	24.86 0.53 -3.73	25.25 0.69 -0.83	25.10 0.73 -0.18	26.34 0.72 0.00	28.95 0.68 0.00	34.27 0.90 0.00	43.19 1.17 0.00	41.30 1.16 0.00	38.15 1.04 0.00	39.14 1.06 0.00	39.40 1.11 0.00	38.97 1.10 0.00	40.21 1.13 0.00	39.95 1.13 0.00	44.32 1.29 -1.56	47.97 1.35 0.00	54.88 1.49 -0.05	48.75 1.38 -1.40	42.43 1.20 -1.10	38.04 1.11 -1.17	31.73 0.95 0.00	28.81 0.89 -0.25	27.70 0.75 -0.18
GILBOA___ 23599	27.27 0.55 -5.73	24.86 0.54 -3.73	25.25 0.69 -0.83	25.11 0.73 -0.18	26.34 0.72 0.00	28.95 0.68 0.00	34.27 0.90 0.00	43.23 1.22 0.00	41.30 1.16 0.00	38.15 1.04 0.00	39.18 1.10 0.00	39.40 1.11 0.00	38.96 1.10 0.00	40.20 1.13 0.00	39.99 1.16 0.00	44.32 1.29 -1.56	48.02 1.40 0.00	54.88 1.49 -0.05	48.70 1.33 -1.40	42.43 1.20 -1.10	38.04 1.11 -1.17	31.76 0.98 0.00	28.78 0.86 -0.25	27.70 0.75 -0.18
GINNA___ 23603	20.41 -1.32 -0.74	19.77 -1.30 -0.48	22.22 -1.61 -0.11	22.61 -1.62 -0.02	23.78 -1.85 0.00	26.27 -2.01 0.00	30.93 -2.43 0.00	38.82 -3.19 0.00	37.05 -3.09 0.00	34.36 -2.75 0.00	35.30 -2.78 0.00	35.11 -3.18 0.00	34.76 -3.10 0.00	35.94 -3.13 0.00	35.68 -3.14 0.00	38.24 -3.44 -0.21	42.89 -3.73 0.00	49.07 -4.27 -0.01	42.61 -3.54 -0.18	37.26 -3.01 -0.15	33.24 -2.68 -0.15	28.56 -2.22 0.00	25.52 -2.19 -0.03	24.90 -1.90 -0.02
GLEN PARK___ 23778	19.34 -0.15 1.51	20.49 -0.14 -0.04	23.64 -0.14 -0.05	21.81 -0.17 2.23	25.91 0.28 0.00	28.76 0.48 0.00	34.37 1.00 0.00	43.70 1.68 0.00	41.42 1.28 0.00	38.22 1.11 0.00	39.03 0.95 0.00	39.28 0.99 0.00	38.85 0.98 0.00	40.01 0.94 0.00	39.64 0.82 0.00	42.69 1.12 -0.10	47.74 1.12 0.00	55.10 1.76 0.00	47.21 1.15 -0.09	41.15 0.96 -0.07	36.73 0.89 -0.07	31.29 0.52 0.00	27.83 0.14 -0.02	26.92 0.13 -0.01
GLENDALE_27_KV_LOAD 356172	28.96 1.74 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.28 1.89 -0.19	27.55 1.92 0.00	30.23 1.95 0.00	35.93 2.57 0.00	45.42 3.40 0.00	43.59 3.45 0.00	40.26 3.15 0.00	41.31 3.24 0.00	41.54 3.25 0.00	41.12 3.26 0.00	42.47 3.40 0.00	42.17 3.34 0.00	46.95 3.77 -1.70	50.95 4.34 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.14 3.81 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GLENWOOD_IC_1_G5 23712	30.62 1.76 -7.87	30.21 1.71 -7.91	27.92 1.87 -2.31	30.40 1.96 -4.24	30.06 1.97 -2.46	32.00 2.15 -1.58	36.48 2.80 -0.31	45.59 3.57 0.00	43.47 3.33 0.00	40.11 3.01 0.00	41.44 3.35 -0.01	41.87 3.37 -0.21	41.25 3.37 -0.01	42.56 3.48 -0.01	42.33 3.49 -0.01	47.80 3.94 -2.38	61.19 4.52 -10.05	67.78 5.23 -9.22	64.40 4.37 -14.06	54.67 3.89 -10.66	51.57 3.29 -12.51	41.97 2.92 -8.28	35.18 2.57 -4.92	32.09 2.33 -2.98
GLENWOOD_IC_2_G1 23688	28.82 1.59 -6.23	26.21 1.56 -4.06	26.35 1.71 -0.90	26.16 1.77 -0.19	27.42 1.79 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.25 3.24 0.00	43.15 3.01 0.00	39.93 2.82 0.00	41.05 2.97 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	42.01 3.18 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.54 4.05 -1.52	44.94 3.61 -1.20	40.08 3.04 -1.27	33.42 2.65 0.00	30.35 2.41 -0.27	29.08 2.12 -0.19
GLENWOOD_IC_3_G1 23689	28.82 1.59 -6.23	26.21 1.56 -4.06	26.35 1.71 -0.90	26.16 1.77 -0.19	27.42 1.79 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.25 3.24 0.00	43.15 3.01 0.00	39.93 2.82 0.00	41.05 2.97 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	42.01 3.18 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.54 4.05 -1.52	44.94 3.61 -1.20	40.08 3.04 -1.27	33.42 2.65 0.00	30.35 2.41 -0.27	29.08 2.12 -0.19
GLENWOOD___4 23550	30.62 1.76 -7.87	30.21 1.71 -7.91	27.92 1.87 -2.31	30.40 1.96 -4.24	30.06 1.97 -2.46	32.00 2.15 -1.58	36.48 2.80 -0.31	45.59 3.57 0.00	43.47 3.33 0.00	40.11 3.01 0.00	41.44 3.35 -0.01	41.87 3.37 -0.21	41.25 3.37 -0.01	42.56 3.48 -0.01	42.33 3.49 -0.01	47.80 3.94 -2.38	61.19 4.52 -10.05	67.78 5.23 -9.22	64.40 4.37 -14.06	54.67 3.89 -10.66	51.57 3.29 -12.51	41.97 2.92 -8.28	35.18 2.57 -4.92	32.09 2.33 -2.98
GLENWOOD___5 23614	30.62 1.76 -7.87	30.21 1.71 -7.91	27.92 1.87 -2.31	30.40 1.96 -4.24	30.06 1.97 -2.46	32.00 2.15 -1.58	36.48 2.80 -0.31	45.59 3.57 0.00	43.47 3.33 0.00	40.11 3.01 0.00	41.44 3.35 -0.01	41.87 3.37 -0.21	41.25 3.37 -0.01	42.56 3.48 -0.01	42.33 3.49 -0.01	47.80 3.94 -2.38	61.19 4.52 -10.05	67.78 5.23 -9.22	64.40 4.37 -14.06	54.67 3.89 -10.66	51.57 3.29 -12.51	41.97 2.92 -8.28	35.18 2.57 -4.92	32.09 2.33 -2.98
GLOBAL GREEN_PORT_GT1 23814	31.91 2.48 -8.45	32.39 2.53 -9.27	29.36 2.82 -2.81	32.62 2.76 -5.66	32.05 3.10 -3.33	33.57 3.17 -2.13	38.26 4.47 -0.42	47.48 5.46 0.00	43.39 3.25 0.00	40.30 3.19 0.00	42.05 3.96 -0.01	42.55 4.10 -0.16	41.89 4.01 -0.01	43.34 4.26 -0.01	43.03 4.19 -0.01	49.21 5.52 -2.22	60.77 6.48 -7.68	67.91 7.52 -7.05	63.45 6.39 -11.10	54.77 6.06 -8.58	50.98 5.11 -10.10	41.31 4.22 -6.32	37.64 3.40 -6.56	33.72 2.97 -3.96
GLOBE___DSASP 323697	20.54 -1.39 -0.93	19.84 -1.36 -0.61	22.04 -1.83 -0.13	22.44 -1.79 -0.03	23.86 -1.77 0.00	26.32 -1.95 0.00	30.90 -2.47 0.00	37.86 -4.16 0.00	36.12 -4.01 0.00	33.36 -3.75 0.00	33.89 -4.19 0.00	33.85 -4.44 0.00	33.51 -4.35 0.00	34.66 -4.42 0.00	34.29 -4.54 0.00	36.74 -4.94 -0.20	41.49 -5.13 0.00	47.42 -5.92 -0.01	41.00 -5.15 -0.18	36.10 -4.17 -0.15	32.20 -3.72 -0.15	28.25 -2.52 0.00	25.70 -2.02 -0.04	24.67 -2.14 -0.03
GOETHSLN___LBMP 323567	28.75 1.53 -6.23	26.15 1.50 -4.06	26.27 1.64 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.06 1.78 0.00	35.77 2.40 0.00	45.21 3.19 0.00	43.35 3.21 0.00	40.00 2.89 0.00	41.05 2.97 0.00	41.31 3.02 0.00	40.90 3.03 0.00	42.20 3.13 0.00	41.93 3.11 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	58.03 4.64 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	39.97 2.93 -1.27	33.36 2.58 0.00	30.22 2.27 -0.27	29.00 2.04 -0.19
GOLAH___69_KV_TB 1_2 80279	21.30 -0.46 -0.77	20.66 -0.43 -0.50	23.18 -0.66 -0.11	23.55 -0.68 -0.02	24.86 -0.77 0.00	27.48 -0.79 0.00	32.33 -1.03 0.00	40.17 -1.85 0.00	38.41 -1.73 0.00	35.55 -1.56 0.00	36.17 -1.90 0.00	36.18 -2.11 0.00	35.82 -2.04 0.00	37.00 -2.07 0.00	36.65 -2.17 0.00	39.32 -2.36 -0.21	44.19 -2.42 0.00	50.62 -2.72 -0.01	43.90 -2.25 -0.19	38.51 -1.77 -0.15	34.35 -1.57 -0.16	29.66 -1.11 0.00	27.02 -0.69 -0.03	25.92 -0.88 -0.02

GOODYEAR_LAKE_HYD 323669	23.90 0.82 -2.09	22.74 0.78 -1.36	24.94 0.90 -0.30	25.24 0.97 -0.06	26.75 1.13 0.00	29.52 1.24 0.00	35.03 1.67 0.00	44.24 2.23 0.00	42.27 2.13 0.00	39.00 1.89 0.00	40.02 1.94 0.00	40.28 1.99 0.00	39.84 1.97 0.00	41.14 2.07 0.00	40.85 2.02 0.00	44.28 2.24 -0.57	49.23 2.61 0.00	56.39 3.04 -0.02	48.96 2.48 -0.51	42.61 2.09 -0.40	38.05 1.86 -0.42	32.40 1.63 0.00	29.07 1.30 -0.09	27.99 1.15 -0.06
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	23.19 0.15 -2.05	22.07 0.14 -1.33	24.17 0.14 -0.30	24.51 0.24 -0.06	26.06 0.44 0.00	28.78 0.51 0.00	34.03 0.67 0.00	42.73 0.71 0.00	40.78 0.64 0.00	37.63 0.52 0.00	38.50 0.42 0.00	38.63 0.34 0.00	38.25 0.38 0.00	39.46 0.39 0.00	39.18 0.35 0.00	42.28 0.25 -0.55	47.27 0.65 0.00	54.10 0.75 -0.02	46.92 0.46 -0.49	40.87 0.36 -0.39	36.50 0.32 -0.41	31.26 0.49 0.00	27.99 0.22 -0.09	27.00 0.16 -0.06
GOUDEY___7 23579	23.19 0.15 -2.05	22.07 0.14 -1.33	24.17 0.14 -0.30	24.51 0.24 -0.06	26.06 0.44 0.00	28.78 0.51 0.00	34.03 0.67 0.00	42.73 0.71 0.00	40.78 0.64 0.00	37.63 0.52 0.00	38.50 0.42 0.00	38.63 0.34 0.00	38.25 0.38 0.00	39.46 0.39 0.00	39.18 0.35 0.00	42.28 0.25 -0.55	47.27 0.65 0.00	54.10 0.75 -0.02	46.92 0.46 -0.49	40.87 0.36 -0.39	36.50 0.32 -0.41	31.26 0.49 0.00	27.99 0.22 -0.09	27.00 0.16 -0.06
GOUDEY___8 23580	23.19 0.15 -2.05	22.07 0.14 -1.33	24.17 0.14 -0.30	24.51 0.24 -0.06	26.06 0.44 0.00	28.78 0.51 0.00	34.03 0.67 0.00	42.73 0.71 0.00	40.78 0.64 0.00	37.63 0.52 0.00	38.50 0.42 0.00	38.63 0.34 0.00	38.25 0.38 0.00	39.46 0.39 0.00	39.18 0.35 0.00	42.28 0.25 -0.55	47.27 0.65 0.00	54.10 0.75 -0.02	46.92 0.46 -0.49	40.87 0.36 -0.39	36.50 0.32 -0.41	31.26 0.49 0.00	27.99 0.22 -0.09	27.00 0.16 -0.06
GOWANUS_GT1_1 24077	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT1_2 24078	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT1_3 24079	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT1_4 24080	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT1_5 24084	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT1_6 24111	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT1_7 24112	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT1_8 24113	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT2_1 24114	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.30 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.16 3.08 0.00	41.46 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.86 4.24 0.00	58.30 4.90 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.52 2.57 -0.27	29.28 2.30 -0.20
GOWANUS_GT2_2 24115	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.30 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.16 3.08 0.00	41.46 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.86 4.24 0.00	58.30 4.90 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.52 2.57 -0.27	29.28 2.30 -0.20
GOWANUS_GT2_3 24116	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.30 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.16 3.08 0.00	41.46 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.86 4.24 0.00	58.30 4.90 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.52 2.57 -0.27	29.28 2.30 -0.20

GOWANUS_GT2_4 24117	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.30 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.16 3.08 0.00	41.46 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.86 4.24 0.00	58.30 4.90 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.52 2.57 -0.27	29.28 2.30 -0.20
GOWANUS_GT2_5 24118	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.30 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.16 3.08 0.00	41.46 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.86 4.24 0.00	58.30 4.90 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.52 2.57 -0.27	29.28 2.30 -0.20
GOWANUS_GT2_6 24119	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.30 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.16 3.08 0.00	41.46 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.86 4.24 0.00	58.30 4.90 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.52 2.57 -0.27	29.28 2.30 -0.20
GOWANUS_GT2_7 24120	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.30 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.16 3.08 0.00	41.46 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.86 4.24 0.00	58.30 4.90 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.52 2.57 -0.27	29.28 2.30 -0.20
GOWANUS_GT2_8 24121	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.30 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.16 3.08 0.00	41.46 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.86 4.24 0.00	58.30 4.90 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.57 2.80 0.00	30.52 2.57 -0.27	29.28 2.30 -0.20
GOWANUS_GT3_1 24122	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
GOWANUS_GT3_2 24123	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
GOWANUS_GT3_3 24124	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	3																	

GOWANUS_GT4_3 24132	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.47 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT4_4 24133	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.47 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT4_5 24134	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.47 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT4_6 24135	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.47 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT4_7 24136	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.47 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GOWANUS_GT4_8 24137	28.96 1.74 -6.23	26.34 1.69 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.87 2.50 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.47 3.18 0.00	41.05 3.18 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.86 3.69 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.63 4.14 -1.52	45.18 3.85 -1.20	40.18 3.15 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GREENBSH_115KV_TB3 55895	28.47 0.42 -7.06	25.62 0.43 -4.60	25.25 0.50 -1.02	24.93 0.51 -0.22	26.03 0.41 0.00	28.70 0.42 0.00	33.93 0.57 0.00	42.86 0.84 0.00	40.98 0.84 0.00	37.85 0.74 0.00	38.99 0.91 0.00	39.21 0.92 0.00	38.74 0.87 0.00	39.97 0.90 0.00	39.76 0.93 0.00	44.40 1.00 -1.93	47.74 1.12 0.00	54.73 1.33 -0.07	48.80 1.10 -1.73	42.41 0.92 -1.36	38.07 0.86 -1.44	31.51 0.74 0.00	28.68 0.69 -0.30	27.53 0.54 -0.22
GREENIDGE_115KV_TB5 80291	21.96 -0.27 -1.24	21.15 -0.25 -0.81	23.60 -0.31 -0.18	24.07 -0.17 -0.04	25.70 0.08 0.00	28.47 0.20 0.00	33.73 0.37 0.00	41.93 -0.08 0.00	39.94 -0.20 0.00	37.15 0.04 0.00	37.81 -0.27 0.00	37.87 -0.42 0.00	37.45 -0.42 0.00	38.33 -0.74 0.00	38.32 -0.50 0.00	40.81 -1.00 -0.33	46.11 -0.51 0.00	52.81 -0.53 -0.01	45.66 -0.60 -0.29	39.79 -0.56 -0.23	35.69 -0.32 -0.25	30.74 -0.03 0.00	27.43 -0.30 -0.05	26.39 -0.43 -0.04
GREENIDGE___3 23582	21.96 -0.27 -1.24	21.15 -0.25 -0.81	23.60 -0.31 -0.18	24.07 -0.17 -0.04	25.70 0.08 0.00	28.47 0.20 0.00	33.73 0.37 0.00	41.93 -0.08 0.00	39.94 -0.20 0.00	37.15 0.04 0.00	37.81 -0.27 0.00	37.87 -0.42 0.00	37.45 -0.42 0.00	38.33 -0.74 0.00	38.32 -0.50 0.00	40.81 -1.00 -0.33	46.11 -0.51 0.00	52.81 -0.53 -0.01	45.66 -0.60 -0.29	39.79 -0.56 -0.23	35.69 -0.32 -0.25	30.74 -0.03 0.00	27.43 -0.30 -0.05	26.39 -0.43 -0.04
GREENIDGE___4 23583	21.96 -0.27 -1.24	21.15 -0.25 -0.81	23.60 -0.31 -0.18	24.05 -0.19 -0.04	25.70 0.08 0.00	28.47 0.20 0.00	33.77 0.40 0.00	42.02 0.00 0.00	39.98 -0.16 0.00	37.15 0.04 0.00	38.00 -0.08 0.00	37.87 -0.42 0.00	37.45 -0.42 0.00	38.33 -0.74 0.00	38.09 -0.74 0.00	40.77 -1.04 -0.33	46.06 -0.56 0.00	52.81 -0.53 -0.01	45.71 -0.55 -0.29	39.79 -0.56 -0.23	35.69 -0.32 -0.25	30.74 -0.03 0.00	27.43 -0.30 -0.05	26.36 -0.46 -0.04
GREENLWN_69_KV_BK 3 55738	31.37 1.95 -8.43	31.72 1.89 -9.23	28.62 2.09 -2.79	31.98 2.15 -5.62	31.16 2.23 -3.31	32.80 2.40 -2.12	36.78 3.00 -0.42	45.34 3.32 0.00	43.03 2.89 0.00	39.63 2.52 0.00	41.13 3.05 -0.01	41.55 3.10 -0.17	41.06 3.18 -0.01	42.32 3.24 -0.01	42.10 3.26 -0.01	47.48 3.77 -2.23	58.66 4.29 -7.76	65.47 5.01 -7.12	61.40 4.23 -11.20	52.59 3.81 -8.65	49.17 3.22 -10.18	40.05 2.89 -6.38	37.02 2.82 -6.51	33.29 2.57 -3.94
GREENWD_138_KV_38B11_REV_LBMP_J 345004	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20
GRISSOM___SOLAR 323813	30.03 1.32 -7.71	26.87 1.26 -5.03	26.25 1.40 -1.12	25.87 1.43 -0.24	27.21 1.59 0.00	30.17 1.89 0.00	35.83 2.47 0.00	45.17 3.15 0.00	43.23 3.09 0.00	39.85 2.75 0.00	40.97 2.89 0.00	41.01 2.72 0.00	40.40 2.54 0.00	41.85 2.77 0.00	41.63 2.80 0.00	46.65 3.07 -2.10	50.35 3.73 0.00	57.83 4.42 -0.07	51.53 3.68 -1.89	44.70 3.09 -1.49	40.16 2.82 -1.57	33.05 2.28 0.00	29.98 1.97 -0.33	28.70 1.69 -0.24
GROVEVILLE___HYD 323602	28.57 1.32 -6.26	25.97 1.30 -4.08	26.09 1.45 -0.91	25.87 1.48 -0.19	27.14 1.51 0.00	29.91 1.64 0.00	35.57 2.20 0.00	44.96 2.94 0.00	42.99 2.85 0.00	39.63 2.52 0.00	40.71 2.63 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.66 2.83 0.00	46.46 3.28 -1.71	50.35 3.73 0.00	57.77 4.37 -0.06	51.13 3.63 -1.53	44.50 3.17 -1.21	39.73 2.68 -1.28	33.14 2.37 0.00	30.02 2.08 -0.27	28.79 1.82 -0.19
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	21.46 -0.04 -0.51	20.96 -0.04 -0.41	23.73 -0.09 -0.10	24.02 -0.02 0.16	25.57 -0.05 0.00	28.22 -0.06 0.00	33.20 -0.17 0.00	41.72 -0.29 0.00	39.86 -0.28 0.00	36.89 -0.22 0.00	37.77 -0.30 0.00	37.94 -0.34 0.00	37.56 -0.30 0.00	38.76 -0.31 0.00	38.52 -0.31 0.00	41.24 -0.41 -0.18	46.25 -0.37 0.00	52.91 -0.43 -0.01	45.76 -0.37 -0.16	39.97 -0.28 -0.13	35.65 -0.25 -0.13	30.59 -0.18 0.00	27.49 -0.22 -0.03	26.64 -0.16 -0.02

HAMLTNNY_34_KV_TB 80303	21.65 -0.04 -0.70	21.00 -0.04 -0.46	23.74 -0.09 -0.10	24.18 -0.05 -0.02	25.57 -0.05 0.00	28.22 -0.06 0.00	33.23 -0.13 0.00	41.76 -0.25 0.00	39.86 -0.28 0.00	36.92 -0.19 0.00	37.77 -0.30 0.00	37.94 -0.34 0.00	37.53 -0.34 0.00	38.72 -0.35 0.00	38.52 -0.31 0.00	41.21 -0.46 -0.19	46.29 -0.33 0.00	52.97 -0.37 -0.01	45.77 -0.37 -0.17	39.98 -0.28 -0.13	35.66 -0.25 -0.14	30.62 -0.15 0.00	27.52 -0.19 -0.03	26.64 -0.16 -0.02
HAMPSHIRE___PAPER_HYD 323593	15.25 -1.13 4.60	19.10 -1.13 0.36	22.70 -1.07 -0.03	16.89 -1.52 5.79	24.96 -0.67 0.00	27.85 -0.42 0.00	33.57 0.20 0.00	42.81 0.80 0.00	40.62 0.48 0.00	37.59 0.48 0.00	38.38 0.30 0.00	38.94 0.65 0.00	38.47 0.60 0.00	39.62 0.55 0.00	39.30 0.47 0.00	41.99 0.46 -0.06	46.53 -0.09 0.00	53.28 -0.05 0.00	45.61 -0.41 -0.05	39.81 -0.36 -0.04	35.56 -0.25 -0.05	29.97 -0.80 0.00	26.64 -1.05 -0.01	25.80 -0.99 -0.01
HARDSCRABBLE_WT_PWR 323673	20.62 -0.46 -0.09	20.26 -0.39 -0.06	23.36 -0.38 -0.01	23.94 -0.27 0.00	25.60 -0.03 0.00	28.42 0.14 0.00	33.67 0.30 0.00	42.52 0.51 0.00	40.62 0.48 0.00	37.56 0.45 0.00	38.57 0.49 0.00	38.82 0.54 0.00	38.44 0.57 0.00	39.62 0.55 0.00	39.30 0.47 0.00	41.91 0.41 -0.02	46.95 0.33 0.00	53.71 0.38 0.00	46.17 0.18 -0.02	40.18 0.04 -0.02	35.79 0.00 -0.02	30.71 -0.06 0.00	27.57 -0.11 0.00	26.65 -0.13 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	28.34 1.32 -6.03	25.80 1.28 -3.93	26.01 1.40 -0.87	25.84 1.45 -0.18	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.95 2.81 0.00	39.56 2.45 0.00	40.63 2.55 0.00	40.89 2.60 0.00	40.48 2.61 0.00	41.77 2.70 0.00	41.55 2.72 0.00	46.27 3.15 -1.64	50.30 3.68 0.00	57.71 4.32 -0.06	51.03 3.59 -1.47	44.42 3.13 -1.16	39.61 2.61 -1.23	33.08 2.31 0.00	29.96 2.02 -0.26	28.73 1.77 -0.18
HARSNRAD_115KV_TB1 81005	20.69 -1.22 -0.92	19.99 -1.19 -0.60	22.27 -1.59 -0.13	22.73 -1.50 -0.03	24.27 -1.36 0.00	26.83 -1.44 0.00	31.56 -1.80 0.00	38.78 -3.24 0.00	36.97 -3.17 0.00	34.14 -2.97 0.00	34.69 -3.39 0.00	34.50 -3.79 0.00	34.16 -3.71 0.00	35.32 -3.75 0.00	34.95 -3.88 0.00	37.41 -4.27 -0.21	42.33 -4.29 0.00	48.38 -4.96 -0.01	41.93 -4.23 -0.19	36.82 -3.45 -0.15	32.81 -3.11 -0.16	28.80 -1.97 0.00	26.03 -1.69 -0.04	24.99 -1.82 -0.03
HARZA MOOSE___RIVER 24016	19.83 -0.13 1.03	20.49 -0.12 -0.02	23.67 -0.09 -0.03	22.59 -0.10 1.52	25.96 0.33 0.00	28.76 0.48 0.00	34.23 0.87 0.00	43.36 1.34 0.00	41.30 1.16 0.00	38.11 1.00 0.00	39.07 0.99 0.00	39.40 1.11 0.00	38.96 1.10 0.00	40.20 1.13 0.00	39.88 1.05 0.00	42.74 1.20 -0.07	47.83 1.21 0.00	54.88 1.55 0.00	47.08 1.06 -0.06	40.97 0.80 -0.05	36.53 0.72 -0.05	31.17 0.40 0.00	27.88 0.19 -0.01	26.89 0.11 -0.01
HDSNBRDG_115KV_BRDG_TB1 355580	21.26 -0.17 -0.43	20.80 -0.16 -0.37	23.58 -0.24 -0.09	23.83 -0.19 0.18	25.39 -0.23 0.00	28.02 -0.25 0.00	32.97 -0.40 0.00	41.39 -0.63 0.00	39.58 -0.56 0.00	36.63 -0.48 0.00	37.51 -0.57 0.00	37.68 -0.61 0.00	37.26 -0.61 0.00	38.45 -0.63 0.00	38.21 -0.62 0.00	40.89 -0.75 -0.16	45.87 -0.75 0.00	52.49 -0.85 -0.01	45.33 -0.78 -0.15	39.64 -0.60 -0.12	35.35 -0.54 -0.12	30.37 -0.40 0.00	27.32 -0.39 -0.03	26.48 -0.32 -0.02
HELLGATE_13_KV_LD 55870	28.92 1.70 -6.23	26.30 1.65 -4.06	26.42 1.78 -0.90	26.23 1.84 -0.19	27.49 1.87 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	58.03 4.64 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.01 2.97 -1.27	33.42 2.65 0.00	30.36 2.41 -0.27	29.25 2.28 -0.20
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	28.92 1.70 -6.23	26.30 1.65 -4.06	26.42 1.78 -0.90	26.23 1.84 -0.19	27.49 1.87 0.00	30.11 1.84 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	58.03 4.64 -0.06	51.35 3.86 -1.52	44.86 3.53 -1.20	40.01 2.97 -1.27	33.42 2.65 0.00	30.36 2.41 -0.27	29.25 2.28 -0.20
HEMPSTEAD____ 23647	30.90 1.81 -8.11	30.81 1.75 -8.48	28.17 1.92 -2.52	31.01 1.99 -4.82	30.47 2.02 -2.82	32.29 2.21 -1.81	36.62 2.90 -0.35	45.50 3.49 0.00	43.03 2.89 0.00	39.93 2.82 0.00	41.29 3.20 -0.01	41.78 3.29 -0.20	41.21 3.33 -0.01	42.52 3.44 -0.01	42.26 3.42 -0.01	47.71 3.90 -2.34	60.52 4.48 -9.43	67.15 5.17 -8.65	63.66 4.41 -13.28	54.16 3.93 -10.10	50.96 3.33 -11.87	41.46 2.92 -7.76	35.96 2.68 -5.60	32.55 2.38 -3.39
HEWLETT_69_KV_BK3 55828	31.22 2.02 -8.21	31.30 1.98 -8.73	28.50 2.16 -2.61	31.55 2.25 -5.09	30.91 2.31 -2.98	32.67 2.49 -1.91	36.91 3.17 -0.37	45.88 3.87 0.00	43.59 3.45 0.00	40.19 3.08 0.00	41.74 3.66 -0.01	42.15 3.64 -0.22	41.55 3.67 -0.01	42.83 3.75 -0.01	42.61 3.77 -0.01	48.07 4.19 -2.41	61.89 4.85 -10.42	68.49 5.60 -9.55	65.22 4.73 -14.52	55.26 4.21 -10.92	52.19 3.61 -12.81	42.58 3.23 -8.58	36.52 2.93 -5.91	33.03 2.68 -3.57
HICKLING___1 23621	22.14 -0.44 -1.59	21.21 -0.41 -1.03	23.44 -0.52 -0.23	23.94 -0.31 -0.05	25.80 0.18 0.00	28.56 0.28 0.00	33.87 0.50 0.00	42.23 0.21 0.00	40.22 0.08 0.00	37.07 -0.04 0.00	37.81 -0.27 0.00	37.83 -0.46 0.00	37.41 -0.45 0.00	38.56 -0.51 0.00	38.28 -0.54 0.00	40.94 -0.95 -0.42	46.39 -0.23 0.00	53.03 -0.32 -0.01	45.65 -0.69 -0.37	39.70 -0.72 -0.30	35.44 -0.64 -0.31	30.71 -0.06 0.00	27.22 -0.53 -0.07	26.16 -0.67 -0.05
HICKLING___2 23622	22.14 -0.44 -1.59	21.21 -0.41 -1.03	23.44 -0.52 -0.23	23.94 -0.31 -0.05	25.80 0.18 0.00	28.56 0.28 0.00	33.87 0.50 0.00	42.23 0.21 0.00	40.22 0.08 0.00	37.07 -0.04 0.00	37.81 -0.27 0.00	37.83 -0.46 0.00	37.41 -0.45 0.00	38.56 -0.51 0.00	38.28 -0.54 0.00	40.94 -0.95 -0.42	46.39 -0.23 0.00	53.03 -0.32 -0.01	45.65 -0.69 -0.37	39.70 -0.72 -0.30	35.44 -0.64 -0.31	30.71 -0.06 0.00	27.22 -0.53 -0.07	26.16 -0.67 -0.05
HIGH FALLS___HY 23754	28.43 1.20 -6.24	25.83 1.17 -4.07	25.94 1.31 -0.91	25.75 1.36 -0.19	27.03 1.41 0.00	29.77 1.50 0.00	35.43 2.07 0.00	44.75 2.73 0.00	42.75 2.61 0.00	39.34 2.23 0.00	40.32 2.25 0.00	40.59 2.30 0.00	40.18 2.31 0.00	41.49 2.42 0.00	41.31 2.48 0.00	46.12 2.94 -1.70	50.07 3.45 0.00	57.45 4.05 -0.06	50.94 3.45 -1.53	44.34 3.01 -1.20	39.54 2.50 -1.27	32.99 2.22 0.00	29.89 1.94 -0.27	28.68 1.71 -0.19
HIGH_RIVER___SOLAR 323847	29.41 0.95 -7.47	26.34 0.88 -4.87	25.81 1.00 -1.08	25.45 1.02 -0.23	26.72 1.10 0.00	29.55 1.27 0.00	35.00 1.63 0.00	44.07 2.06 0.00	42.02 1.89 0.00	38.74 1.63 0.00	39.75 1.67 0.00	39.93 1.65 0.00	39.38 1.52 0.00	40.67 1.60 0.00	40.53 1.71 0.00	45.50 1.99 -2.04	49.09 2.47 0.00	56.34 2.93 -0.07	50.28 2.48 -1.83	43.65 2.09 -1.44	39.18 1.89 -1.52	32.34 1.57 0.00	29.38 1.38 -0.32	28.18 1.18 -0.23

HILLBURN___GT 23639	28.42 1.34 -6.08	25.87 1.32 -3.96	26.06 1.45 -0.88	25.87 1.48 -0.19	27.14 1.51 0.00	29.91 1.64 0.00	35.57 2.20 0.00	44.91 2.90 0.00	42.95 2.81 0.00	39.60 2.49 0.00	40.59 2.51 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.81 2.73 0.00	41.55 2.72 0.00	46.25 3.11 -1.66	50.26 3.64 0.00	57.66 4.27 -0.06	51.04 3.59 -1.49	44.43 3.13 -1.17	39.65 2.65 -1.24	33.05 2.28 0.00	30.04 2.10 -0.26	28.76 1.79 -0.19
HILLSIDE_115KV_TB1 80332	22.05 -0.59 -1.64	21.09 -0.58 -1.07	23.26 -0.71 -0.24	23.72 -0.53 -0.05	25.52 -0.10 0.00	28.25 -0.03 0.00	33.47 0.10 0.00	41.72 -0.29 0.00	39.74 -0.40 0.00	36.59 -0.52 0.00	37.39 -0.69 0.00	37.41 -0.88 0.00	37.00 -0.87 0.00	38.13 -0.94 0.00	37.86 -0.97 0.00	40.54 -1.37 -0.43	45.87 -0.75 0.00	52.50 -0.85 -0.02	45.21 -1.15 -0.39	39.31 -1.12 -0.31	35.09 -1.00 -0.33	30.43 -0.34 0.00	26.97 -0.78 -0.07	25.97 -0.86 -0.05
HISHELDN_WT_PWR 323625	20.78 -1.30 -1.09	20.07 -1.23 -0.71	22.42 -1.47 -0.16	22.95 -1.28 -0.03	24.83 -0.79 0.00	27.48 -0.79 0.00	32.43 -0.93 0.00	40.25 -1.76 0.00	38.21 -1.93 0.00	35.22 -1.89 0.00	36.29 -1.79 0.00	35.76 -2.53 0.00	35.37 -2.50 0.00	36.57 -2.50 0.00	36.23 -2.60 0.00	38.46 -3.28 -0.26	43.77 -2.85 0.00	49.99 -3.36 -0.01	42.98 -3.22 -0.23	37.46 -2.85 -0.18	33.39 -2.58 -0.19	29.33 -1.45 0.00	26.12 -1.61 -0.05	25.04 -1.77 -0.03
HOLTSVILLE_IC_1 23690	31.43 2.00 -8.45	31.84 1.98 -9.27	28.72 2.18 -2.81	32.05 2.18 -5.66	31.31 2.36 -3.33	32.90 2.49 -2.13	37.06 3.27 -0.42	45.80 3.78 0.00	42.59 2.45 0.00	39.56 2.45 0.00	41.09 3.01 -0.01	41.59 3.14 -0.16	41.02 3.14 -0.01	42.32 3.24 -0.01	42.10 3.26 -0.01	47.76 4.07 -2.22	59.00 4.71 -7.67	65.82 5.44 -7.05	61.70 4.64 -11.09	53.00 4.30 -8.58	49.55 3.68 -10.10	40.23 3.14 -6.31	37.04 2.79 -6.56	33.26 2.52 -3.97
HOLTSVILLE_IC_10 23699	31.51 2.08 -8.44	31.93 2.08 -9.26	28.82 2.28 -2.81	32.13 2.27 -5.65	31.41 2.46 -3.33	33.00 2.60 -2.13	37.25 3.47 -0.42	46.05 4.03 0.00	42.71 2.57 0.00	39.71 2.60 0.00	41.24 3.16 -0.01	41.75 3.29 -0.16	41.17 3.29 -0.01	42.52 3.44 -0.01	42.25 3.42 -0.01	48.01 4.31 -2.22	59.31 4.99 -7.70	66.22 5.81 -7.07	62.06 4.97 -11.12	53.30 4.57 -8.60	49.79 3.90 -10.12	40.43 3.32 -6.33	37.13 2.91 -6.55	33.33 2.60 -3.96
HOLTSVILLE_IC_2 23691	31.43 2.00 -8.45	31.84 1.98 -9.27	28.72 2.18 -2.81	32.05 2.18 -5.66	31.31 2.36 -3.33	32.90 2.49 -2.13	37.06 3.27 -0.42	45.80 3.78 0.00	42.59 2.45 0.00	39.56 2.45 0.00	41.09 3.01 -0.01	41.59 3.14 -0.16	41.02 3.14 -0.01	42.32 3.24 -0.01	42.10 3.26 -0.01	47.76 4.07 -2.22	59.00 4.71 -7.67	65.82 5.44 -7.05	61.70 4.64 -11.09	53.00 4.30 -8.58	49.55 3.68 -10.10	40.23 3.14 -6.31	37.04 2.79 -6.56	33.26 2.52 -3.97
HOLTSVILLE_IC_3 23692	31.43 2.00 -8.45	31.84 1.98 -9.27	28.72 2.18 -2.81	32.05 2.18 -5.66	31.31 2.36 -3.33	32.90 2.49 -2.13	37.06 3.27 -0.42	45.80 3.78 0.00	42.59 2.45 0.00	39.56 2.45 0.00	41.09 3.01 -0.01	41.59 3.14 -0.16	41.02 3.14 -0.01	42.32 3.24 -0.01	42.10 3.26 -0.01	47.76 4.07 -2.22	59.00 4.71 -7.67	65.82 5.44 -7.05	61.70 4.64 -11.09	53.00 4.30 -8.58	49.55 3.68 -10.10	40.23 3.14 -6.31	37.04 2.79 -6.56	33.26 2.52 -3.97
HOLTSVILLE_IC_4 23693	31.43 2.00 -8.45	31.84 1.98 -9.27	28.72 2.18 -2.81	32.05 2.18 -5.66	31.31 2.36 -3.33	32.90 2.49 -2.13	37.06 3.27 -0.42	45.80 3.78 0.00	42.59 2.45 0.00	39.56 2.45 0.00	41.09 3.01 -0.01	41.59 3.14 -0.16	41.02 3.14 -0.01	42.32 3.24 -0.01	42.10 3.26 -0.01	47.76 4.07 -2.22	59.00 4.71 -7.67	65.82 5.44 -7.05	61.70 4.64 -11.09	53.00 4.30 -8.58	49.55 3.68 -10.10	40.23 3.14 -6.31	37.04 2.79 -6.56	33.26 2.52 -3.97
HOLTSVILLE_IC_5 23694	31.43 2.00 -8.45	31.84 1.98 -9.27	28.72 2.18 -2.81	32.05 2.18 -5.66	31.31 2.36 -3.33	32.90 2.49 -2.13	37.06 3.27 -0.42	45.80 3.78 0.00	42.59 2.45 0.00	39.56 2.45 0.00	41.09 3.01 -0.01	41.59 3.14 -0.16	41.02 3.14 -0.01	42.32 3.24 -0.01	42.10 3.26 -0.01	47.76 4.07 -2.22	59.00 4.71 -7.67	65.82 5.44 -7.05	61.70 4.64 -11.09	53.00 4.30 -8.58	49.55 3.68 -10.10	40.23 3.14 -6.31	37.04 2.79 -6.56	33.26 2.52 -3.97
HOLTSVILLE_IC_6 23695	31.51 2.08 -8.44	31.93 2.08 -9.26	28.82 2.28 -2.81	32.13 2.27 -5.65	31.41 2.46 -3.33	33.00 2.60 -2.13	37.25 3.47 -0.42	46.05 4.03 0.00	42.71 2.57 0.00	39.71 2.60 0.00	41.24 3.16 -0.01	41.75 3.29 -0.16	41.17 3.29 -0.01	42.52 3.44 -0.01	42.25 3.42 -0.01	48.01 4.31 -2.22	59.31 4.99 -7.70	66.22 5.81 -7.07	62.06 4.97 -11.12	53.30 4.57 -8.60	49.79 3.90 -10.12	40.43 3.32 -6.33	37.13 2.91 -6.55	33.33 2.60 -3.96
HOLTSVILLE_IC_7 23696	31.51 2.08 -8.44	31.93 2.08 -9.26	28.82 2.28 -2.81	32.13 2.27 -5.65	31.41 2.46 -3.33	33.00 2.60 -2.13	37.25 3.47 -0.42	46.05 4.03 0.00	42.71 2.57 0.00	39.71 2.60 0.00	41.24 3.16 -0.01	41.75 3.29 -0.16	41.17 3.29 -0.01	42.52 3.44 -0.01	42.25 3.42 -0.01	48.01 4.31 -2.22	59.31 4.99 -7.70	66.22 5.81 -7.07	62.06 4.97 -11.12	53.30 4.57 -8.60	49.79 3.90 -10.12	40.43 3.32 -6.33	37.13 2.91 -6.55	33.33 2.60 -3.96
HOLTSVILLE_IC_8 23697	31.51 2.08 -8.44	31.93 2.08 -9.26	28.82 2.28 -2.81	32.13 2.27 -5.65	31.41 2.46 -3.33	33.00 2.60 -2.13	37.25 3.47 -0.42	46.05 4.03 0.00	42.71 2.57 0.00	39.71 2.60 0.00	41.24 3.16 -0.01	41.75 3.29 -0.16	41.17 3.29 -0.01	42.52 3.44 -0.01	42.25 3.42 -0.01	48.01 4.31 -2.22	59.31 4.99 -7.70	66.22 5.81 -7.07	62.06 4.97 -11.12	53.30 4.57 -8.60	49.79 3.90 -10.12	40.43 3.32 -6.33	37.13 2.91 -6.55	33.33 2.60 -3.96
HOLTSVILLE_IC_9 23698	31.51 2.08 -8.44	31.93 2.08 -9.26	28.82 2.28 -2.81	32.13 2.27 -5.65	31.41 2.46 -3.33	33.00 2.60 -2.13	37.25 3.47 -0.42	46.05 4.03 0.00	42.71 2.57 0.00	39.71 2.60 0.00	41.24 3.16 -0.01	41.75 3.29 -0.16	41.17 3.29 -0.01	42.52 3.44 -0.01	42.25 3.42 -0.01	48.01 4.31 -2.22	59.31 4.99 -7.70	66.22 5.81 -7.07	62.06 4.97 -11.12	53.30 4.57 -8.60	49.79 3.90 -10.12	40.43 3.32 -6.33	37.13 2.91 -6.55	33.33 2.60 -3.96
HOMER_HL_115KV_TB2 355744	20.35 -1.76 -1.12	19.59 -1.73 -0.73	21.76 -2.14 -0.16	22.59 -1.65 -0.03	25.42 -0.20 0.00	28.22 -0.06 0.00	33.50 0.13 0.00	41.30 -0.71 0.00	39.21 -0.92 0.00	35.88 -1.22 0.00	36.59 -1.49 0.00	36.41 -1.88 0.00	36.01 -1.86 0.00	37.20 -1.88 0.00	36.81 -2.02 0.00	38.51 -3.24 -0.27	44.99 -1.63 0.00	51.48 -1.87 -0.01	43.22 -2.99 -0.24	37.35 -2.97 -0.19	33.25 -2.72 -0.20	30.03 -0.74 0.00	25.60 -2.13 -0.05	24.67 -2.14 -0.03
HOWARD_WT_PWR 323690	21.26 -1.03 -1.30	20.59 -0.85 -0.85	23.04 -0.88 -0.19	23.69 -0.56 -0.04	25.73 0.10 0.00	28.53 0.25 0.00	33.87 0.50 0.00	42.27 0.25 0.00	40.14 0.00 0.00	36.96 -0.15 0.00	37.93 -0.15 0.00	37.56 -0.73 0.00	37.07 -0.80 0.00	38.21 -0.86 0.00	37.86 -0.97 0.00	40.23 -1.58 -0.33	45.73 -0.89 0.00	52.28 -1.07 -0.01	44.84 -1.43 -0.30	38.92 -1.44 -0.24	34.55 -1.47 -0.25	30.03 -0.74 0.00	26.68 -1.05 -0.06	25.37 -1.45 -0.04

HQ_GEN_CEDARS 23644	10.87 -1.87 8.26	17.93 -1.87 0.79	22.02 -1.73 -0.02	11.42 -2.71 10.07	24.09 -1.54 0.00	27.09 -1.19 0.00	32.90 -0.47 0.00	42.10 0.08 0.00	39.94 -0.20 0.00	37.07 -0.04 0.00	37.74 -0.34 0.00	38.56 0.27 0.00	38.09 0.23 0.00	39.19 0.12 0.00	38.87 0.04 0.00	41.35 -0.17 -0.04	45.36 -1.26 0.00	51.68 -1.65 0.00	45.04 -0.97 -0.03	38.79 -1.36 -0.03	34.76 -1.04 -0.03	28.93 -1.85 0.00	25.91 -1.77 -0.01	24.96 -1.82 0.00
HQ_GEN_CEDARS_PROXY 323590	10.87 -1.87 8.26	17.93 -1.87 0.79	22.02 -1.73 -0.02	11.42 -2.71 10.07	24.09 -1.54 0.00	27.09 -1.19 0.00	32.90 -0.47 0.00	43.78 0.08 -1.68	38.26 -0.20 1.68	37.07 -0.04 0.00	37.73 -0.34 0.00	38.56 0.27 0.00	38.10 0.23 0.00	39.19 0.12 0.00	38.87 0.04 0.00	41.35 -0.17 -0.04	45.31 -1.31 0.00	51.68 -1.65 0.00	44.39 -1.61 -0.03	38.79 -1.36 -0.03	34.69 -1.11 -0.03	28.93 -1.85 0.00	25.64 -2.05 -0.01	24.96 -1.82 0.00
HQ_GEN_IMPORT 323601	20.99 0.00 0.00	20.59 0.00 0.00	23.73 0.00 0.00	24.20 0.00 0.00	25.62 0.00 0.00	28.27 0.00 0.00	33.37 0.00 0.00	43.70 0.00 -1.68	38.46 0.00 1.68	37.11 0.00 0.00	38.08 0.00 0.00	38.29 0.00 0.00	37.87 0.00 0.00	39.07 0.00 0.00	38.83 0.00 0.00	41.48 0.00 0.00	46.62 0.00 0.00	53.34 0.00 0.00	45.97 0.00 0.00	40.12 0.00 0.00	35.77 0.00 0.00	30.77 0.00 0.00	27.68 0.00 0.00	26.78 0.00 0.00
HQ_GEN_WHEEL 23651	20.99 0.00 0.00	20.59 0.00 0.00	23.73 0.00 0.00	24.20 0.00 0.00	25.62 0.00 0.00	28.27 0.00 0.00	33.37 0.00 0.00	43.70 0.00 -1.68	38.46 0.00 1.68	37.11 0.00 0.00	38.08 0.00 0.00	38.29 0.00 0.00	37.87 0.00 0.00	39.07 0.00 0.00	38.83 0.00 0.00	41.48 0.00 0.00	46.62 0.00 0.00	53.34 0.00 0.00	45.97 0.00 0.00	40.12 0.00 0.00	35.77 0.00 0.00	30.77 0.00 0.00	27.68 0.00 0.00	26.78 0.00 0.00
HUDSON_AVE_GT_3 23810	28.82 1.60 -6.23	26.19 1.54 -4.06	26.32 1.68 -0.90	26.14 1.74 -0.19	27.39 1.77 0.00	30.14 1.87 0.00	35.87 2.50 0.00	45.34 3.32 0.00	43.43 3.29 0.00	40.11 3.01 0.00	41.16 3.08 0.00	41.43 3.14 0.00	41.01 3.14 0.00	42.31 3.24 0.00	42.05 3.22 0.00	46.86 3.69 -1.70	50.81 4.20 0.00	58.25 4.85 -0.06	51.54 4.05 -1.52	44.98 3.65 -1.20	40.08 3.04 -1.27	33.45 2.68 0.00	30.30 2.35 -0.27	29.11 2.14 -0.19
HUDSON_AVE_GT_4 23540	28.82 1.60 -6.23	26.19 1.54 -4.06	26.32 1.68 -0.90	26.14 1.74 -0.19	27.39 1.77 0.00	30.14 1.87 0.00	35.87 2.50 0.00	45.34 3.32 0.00	43.43 3.29 0.00	40.11 3.01 0.00	41.16 3.08 0.00	41.43 3.14 0.00	41.01 3.14 0.00	42.31 3.24 0.00	42.05 3.22 0.00	46.86 3.69 -1.70	50.81 4.20 0.00	58.25 4.85 -0.06	51.54 4.05 -1.52	44.98 3.65 -1.20	40.08 3.04 -1.27	33.45 2.68 0.00	30.30 2.35 -0.27	29.11 2.14 -0.19
HUDSON_AVE_GT_5 23657	28.82 1.60 -6.23	26.19 1.54 -4.06	26.32 1.68 -0.90	26.14 1.74 -0.19	27.39 1.77 0.00	30.14 1.87 0.00	35.87 2.50 0.00	45.34 3.32 0.00	43.43 3.29 0.00	40.11 3.01 0.00	41.16 3.08 0.00	41.43 3.14 0.00	41.01 3.14 0.00	42.31 3.24 0.00	42.05 3.22 0.00	46.86 3.69 -1.70	50.81 4.20 0.00	58.25 4.85 -0.06	51.54 4.05 -1.52	44.98 3.65 -1.20	40.08 3.04 -1.27	33.45 2.68 0.00	30.30 2.35 -0.27	29.11 2.14 -0.19
HUDSON_AVE_10 24168	28.73 1.51 -6.23	26.13 1.48 -4.06	26.23 1.59 -0.90	26.04 1.65 -0.19	27.29 1.67 0.00	30.06 1.78 0.00	35.77 2.40 0.00	45.21 3.19 0.00	43.31 3.17 0.00	40.00 2.89 0.00	41.01 2.93 0.00	41.27 2.99 0.00	40.86 2.99 0.00	42.16 3.09 0.00	41.90 3.07 0.00	46.70 3.53 -1.70	50.63 4.01 0.00	58.09 4.69 -0.06	51.40 3.91 -1.52	44.86 3.53 -1.20	39.97 2.93 -1.27	33.36 2.58 0.00	30.24 2.30 -0.27	29.03 2.06 -0.19
HUDSON___115KV_TB 4 355613	28.62 0.67 -6.95	25.78 0.66 -4.53	25.52 0.78 -1.01	25.22 0.80 -0.21	26.37 0.74 0.00	29.12 0.85 0.00	34.47 1.10 0.00	43.49 1.47 0.00	41.54 1.40 0.00	38.30 1.19 0.00	39.41 1.33 0.00	39.55 1.26 0.00	39.00 1.14 0.00	40.28 1.21 0.00	40.11 1.28 0.00	44.82 1.45 -1.90	48.39 1.77 0.00	55.69 2.29 -0.06	49.60 1.93 -1.70	43.03 1.56 -1.34	38.65 1.47 -1.42	31.97 1.20 0.00	29.06 1.08 -0.30	27.88 0.88 -0.21
HUNTER MOUNT___DRP 323613	28.46 0.63 -6.84	25.68 0.64 -4.46	25.48 0.76 -0.99	25.16 0.75 -0.21	26.34 0.72 0.00	29.12 0.85 0.00	34.47 1.10 0.00	43.49 1.47 0.00	41.50 1.36 0.00	38.22 1.11 0.00	39.33 1.26 0.00	39.48 1.19 0.00	38.89 1.02 0.00	40.20 1.13 0.00	40.03 1.20 0.00	44.75 1.41 -1.86	48.34 1.72 0.00	55.64 2.24 -0.06	49.53 1.88 -1.67	42.97 1.52 -1.32	38.59 1.43 -1.39	31.94 1.17 0.00	29.05 1.08 -0.29	27.84 0.86 -0.21
HUNTINGTON_RES_REC 323705	31.45 2.02 -8.44	31.82 1.98 -9.25	28.69 2.16 -2.80	32.07 2.23 -5.64	31.25 2.31 -3.32	32.89 2.49 -2.13	36.95 3.17 -0.42	45.59 3.57 0.00	42.71 2.57 0.00	39.67 2.56 0.00	41.17 3.08 -0.01	41.67 3.22 -0.16	41.13 3.26 -0.01	42.44 3.36 -0.01	42.18 3.34 -0.01	47.72 4.02 -2.22	58.94 4.62 -7.71	65.80 5.38 -7.08	61.70 4.60 -11.14	52.91 4.17 -8.61	49.48 3.58 -10.14	40.19 3.08 -6.35	37.12 2.91 -6.54	33.33 2.60 -3.95
HUNTLEY___63 23557	20.82 -1.11 -0.95	20.11 -1.09 -0.62	22.40 -1.47 -0.14	22.88 -1.36 -0.03	24.52 -1.10 0.00	27.12 -1.16 0.00	31.90 -1.47 0.00	39.24 -2.77 0.00	37.29 -2.85 0.00	34.44 -2.67 0.00	35.03 -3.05 0.00	34.96 -3.33 0.00	34.61 -3.26 0.00	35.79 -3.28 0.00	35.41 -3.42 0.00	37.79 -3.90 -0.21	42.84 -3.78 0.00	49.18 -4.16 -0.01	42.34 -3.82 -0.19	37.15 -3.13 -0.15	33.10 -2.83 -0.16	29.14 -1.63 0.00	26.25 -1.47 -0.04	25.17 -1.63 -0.03
HUNTLEY___64 23558	20.82 -1.11 -0.95	20.11 -1.09 -0.62	22.40 -1.47 -0.14	22.88 -1.36 -0.03	24.52 -1.10 0.00	27.12 -1.16 0.00	31.90 -1.47 0.00	39.24 -2.77 0.00	37.29 -2.85 0.00	34.44 -2.67 0.00	35.03 -3.05 0.00	34.96 -3.33 0.00	34.61 -3.26 0.00	35.79 -3.28 0.00	35.41 -3.42 0.00	37.79 -3.90 -0.21	42.84 -3.78 0.00	49.18 -4.16 -0.01	42.34 -3.82 -0.19	37.15 -3.13 -0.15	33.10 -2.83 -0.16	29.14 -1.63 0.00	26.25 -1.47 -0.04	25.17 -1.63 -0.03
HUNTLEY___65 23559	20.82 -1.11 -0.95	20.11 -1.09 -0.62	22.40 -1.47 -0.14	22.88 -1.36 -0.03	24.52 -1.10 0.00	27.12 -1.16 0.00	31.90 -1.47 0.00	39.24 -2.77 0.00	37.29 -2.85 0.00	34.44 -2.67 0.00	35.03 -3.05 0.00	34.96 -3.33 0.00	34.61 -3.26 0.00	35.79 -3.28 0.00	35.41 -3.42 0.00	37.79 -3.90 -0.21	42.84 -3.78 0.00	49.18 -4.16 -0.01	42.34 -3.82 -0.19	37.15 -3.13 -0.15	33.10 -2.83 -0.16	29.14 -1.63 0.00	26.25 -1.47 -0.04	25.17 -1.63 -0.03
HUNTLEY___66 23560	20.82 -1.11 -0.95	20.11 -1.09 -0.62	22.40 -1.47 -0.14	22.88 -1.36 -0.03	24.52 -1.10 0.00	27.12 -1.16 0.00	31.90 -1.47 0.00	39.24 -2.77 0.00	37.29 -2.85 0.00	34.44 -2.67 0.00	35.03 -3.05 0.00	34.96 -3.33 0.00	34.61 -3.26 0.00	35.79 -3.28 0.00	35.41 -3.42 0.00	37.79 -3.90 -0.21	42.84 -3.78 0.00	49.18 -4.16 -0.01	42.34 -3.82 -0.19	37.15 -3.13 -0.15	33.10 -2.83 -0.16	29.14 -1.63 0.00	26.25 -1.47 -0.04	25.17 -1.63 -0.03



HUNTLEY___67 23561	20.74 -1.22 -0.96	20.00 -1.21 -0.63	22.28 -1.59 -0.14	22.76 -1.48 -0.03	24.42 -1.20 0.00	27.00 -1.27 0.00	31.76 -1.60 0.00	38.99 -3.03 0.00	37.21 -2.93 0.00	34.36 -2.75 0.00	34.96 -3.12 0.00	34.88 -3.41 0.00	34.53 -3.33 0.00	35.71 -3.36 0.00	35.29 -3.53 0.00	37.71 -3.98 -0.21	42.80 -3.82 0.00	48.92 -4.43 -0.01	42.07 -4.09 -0.19	36.91 -3.37 -0.15	32.89 -3.04 -0.16	28.96 -1.82 0.00	26.06 -1.66 -0.04	25.01 -1.79 -0.03
HUNTLEY___68 23562	20.74 -1.22 -0.96	20.00 -1.21 -0.63	22.28 -1.59 -0.14	22.76 -1.48 -0.03	24.42 -1.20 0.00	27.00 -1.27 0.00	31.76 -1.60 0.00	38.99 -3.03 0.00	37.21 -2.93 0.00	34.36 -2.75 0.00	34.96 -3.12 0.00	34.88 -3.41 0.00	34.53 -3.33 0.00	35.71 -3.36 0.00	35.29 -3.53 0.00	37.71 -3.98 -0.21	42.80 -3.82 0.00	48.92 -4.43 -0.01	42.07 -4.09 -0.19	36.91 -3.37 -0.15	32.89 -3.04 -0.16	28.96 -1.82 0.00	26.06 -1.66 -0.04	25.01 -1.79 -0.03
HYLAND___LFGE 323620	22.03 -0.04 -1.07	21.31 0.02 -0.70	23.82 -0.07 -0.16	24.31 0.07 -0.03	25.96 0.33 0.00	28.78 0.51 0.00	34.16 0.80 0.00	42.90 0.88 0.00	40.46 0.32 0.00	36.92 -0.18 0.00	37.54 -0.53 0.00	36.95 -1.34 0.00	36.43 -1.44 0.00	37.59 -1.48 0.00	37.35 -1.48 0.00	40.18 -1.58 -0.28	45.97 -0.65 0.00	53.29 -0.05 -0.01	46.45 0.23 -0.25	40.64 0.32 -0.20	36.16 0.18 -0.21	31.23 0.46 0.00	27.70 -0.03 -0.05	26.60 -0.22 -0.03
INDECK___CORINTH 23802	29.67 1.43 -7.25	26.65 1.34 -4.73	26.28 1.50 -1.05	25.95 1.53 -0.22	27.27 1.64 0.00	30.17 1.89 0.00	35.77 2.40 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.08 2.97 0.00	41.39 3.31 0.00	41.46 3.18 0.00	40.82 2.96 0.00	42.12 3.05 0.00	41.86 3.03 0.00	46.60 3.15 -1.98	50.30 3.68 0.00	57.72 4.32 -0.07	51.33 3.59 -1.78	44.49 2.97 -1.40	40.00 2.75 -1.48	32.99 2.22 0.00	29.99 1.99 -0.31	28.72 1.72 -0.22
INDECK___ILION 23567	21.00 -0.08 -0.09	20.59 -0.06 -0.06	23.70 -0.05 -0.01	24.18 -0.02 0.00	25.73 0.10 0.00	28.44 0.17 0.00	33.67 0.30 0.00	42.44 0.42 0.00	40.54 0.40 0.00	37.48 0.37 0.00	38.50 0.42 0.00	38.75 0.46 0.00	38.32 0.45 0.00	39.54 0.47 0.00	39.26 0.43 0.00	41.91 0.41 -0.02	47.04 0.42 0.00	53.82 0.48 0.00	46.36 0.37 -0.02	40.38 0.24 -0.02	36.00 0.21 -0.02	30.93 0.15 0.00	27.79 0.11 0.00	26.86 0.08 0.00
INDECK___OLEAN 23982	20.35 -1.76 -1.12	19.59 -1.73 -0.73	21.76 -2.14 -0.16	22.50 -1.74 -0.03	25.42 -0.21 0.00	28.22 -0.06 0.00	33.53 0.17 0.00	41.60 -0.42 0.00	39.34 -0.80 0.00	35.85 -1.26 0.00	36.90 -1.18 0.00	36.41 -1.88 0.00	36.01 -1.85 0.00	37.20 -1.87 0.00	36.85 -1.98 0.00	38.55 -3.19 -0.27	44.94 -1.68 0.00	51.43 -1.92 -0.01	43.31 -2.89 -0.24	37.35 -2.97 -0.19	33.25 -2.72 -0.20	30.03 -0.74 0.00	26.81 -0.91 -0.05	24.46 -2.36 -0.03
INDECK___OSWEGO 23783	20.90 -0.34 -0.24	20.57 -0.33 -0.31	23.40 -0.40 -0.08	23.50 -0.39 0.32	25.19 -0.44 0.00	27.79 -0.48 0.00	32.63 -0.73 0.00	41.05 -0.96 0.00	39.17 -0.96 0.00	36.26 -0.85 0.00	37.16 -0.91 0.00	37.29 -1.00 0.00	36.88 -0.98 0.00	38.06 -1.02 0.00	37.82 -1.01 0.00	40.54 -1.08 -0.14	45.46 -1.16 0.00	52.01 -1.33 0.00	44.99 -1.10 -0.13	39.26 -0.96 -0.10	35.01 -0.86 -0.11	30.10 -0.68 0.00	27.07 -0.64 -0.02	26.29 -0.51 -0.02
INDECK___YERKES 23781	20.84 -1.09 -0.95	20.11 -1.09 -0.62	22.42 -1.45 -0.14	22.90 -1.33 -0.03	24.55 -1.08 0.00	27.14 -1.13 0.00	31.97 -1.40 0.00	39.58 -2.44 0.00	37.41 -2.73 0.00	34.44 -2.67 0.00	35.60 -2.47 0.00	34.96 -3.33 0.00	34.61 -3.26 0.00	35.79 -3.28 0.00	35.49 -3.34 0.00	37.71 -3.98 -0.21	42.84 -3.77 0.00	49.18 -4.16 -0.01	42.48 -3.68 -0.19	37.15 -3.13 -0.15	33.17 -2.75 -0.16	29.17 -1.60 0.00	26.00 -1.72 -0.04	25.17 -1.63 -0.03
INDIAN POINT_GT_1 24139	28.53 1.34 -6.20	25.95 1.32 -4.04	26.08 1.45 -0.90	25.89 1.50 -0.19	27.14 1.51 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.92 2.90 0.00	42.95 2.81 0.00	39.63 2.52 0.00	40.71 2.63 0.00	40.97 2.68 0.00	40.52 2.65 0.00	41.85 2.77 0.00	41.58 2.76 0.00	46.32 3.15 -1.69	50.26 3.64 0.00	57.61 4.21 -0.06	51.02 3.54 -1.52	44.45 3.13 -1.19	39.68 2.65 -1.26	33.08 2.31 0.00	29.97 2.02 -0.27	28.79 1.82 -0.19
INDIAN POINT_GT_2 23659	28.53 1.34 -6.20	25.95 1.32 -4.04	26.08 1.45 -0.90	25.89 1.50 -0.19	27.14 1.51 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.92 2.90 0.00	42.95 2.81 0.00	39.63 2.52 0.00	40.71 2.63 0.00	40.97 2.68 0.00	40.52 2.65 0.00	41.85 2.77 0.00	41.58 2.76 0.00	46.32 3.15 -1.69	50.26 3.64 0.00	57.61 4.21 -0.06	51.02 3.54 -1.52	44.45 3.13 -1.19	39.68 2.65 -1.26	33.08 2.31 0.00	29.97 2.02 -0.27	28.79 1.82 -0.19
INDIAN POINT_GT_3 24019	28.53 1.34 -6.20	25.95 1.32 -4.04	26.08 1.45 -0.90	25.89 1.50 -0.19	27.14 1.51 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.92 2.90 0.00	42.95 2.81 0.00	39.63 2.52 0.00	40.71 2.63 0.00	40.97 2.68 0.00	40.52 2.65 0.00	41.85 2.77 0.00	41.58 2.76 0.00	46.32 3.15 -1.69	50.26 3.64 0.00	57.61 4.21 -0.06	51.02 3.54 -1.52	44.45 3.13 -1.19	39.68 2.65 -1.26	33.08 2.31 0.00	29.97 2.02 -0.27	28.79 1.82 -0.19
INDIAN POINT___2 23530	28.49 1.34 -6.16	25.92 1.32 -4.01	26.05 1.42 -0.89	25.87 1.48 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.83 2.82 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.59 2.51 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.77 2.69 0.00	41.51 2.68 0.00	46.27 3.11 -1.68	50.21 3.59 0.00	57.56 4.16 -0.06	51.01 3.54 -1.51	44.40 3.09 -1.19	39.63 2.61 -1.26	33.05 2.28 0.00	30.02 2.08 -0.27	28.76 1.79 -0.19
INDIAN POINT___3 23531	28.53 1.34 -6.20	25.93 1.30 -4.04	26.06 1.42 -0.90	25.87 1.48 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.91 2.77 0.00	39.59 2.49 0.00	40.67 2.59 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.77 2.70 0.00	41.55 2.72 0.00	46.23 3.07 -1.69	50.21 3.59 0.00	57.55 4.16 -0.06	50.98 3.49 -1.52	44.41 3.09 -1.19	39.64 2.61 -1.26	33.05 2.28 0.00	29.94 1.99 -0.27	28.76 1.79 -0.19
INGHAM_C_115KV_TB7 356103	20.77 -0.31 -0.09	20.38 -0.27 -0.06	23.48 -0.26 -0.01	24.06 -0.15 0.00	25.68 0.05 0.00	28.47 0.20 0.00	33.73 0.37 0.00	42.56 0.55 0.00	40.66 0.52 0.00	37.59 0.48 0.00	38.61 0.53 0.00	38.86 0.57 0.00	38.47 0.61 0.00	39.66 0.59 0.00	39.33 0.50 0.00	41.96 0.46 -0.02	46.99 0.37 0.00	53.76 0.43 0.00	46.27 0.28 -0.02	40.26 0.12 -0.02	35.86 0.07 -0.02	30.80 0.03 0.00	27.68 0.00 0.00	26.75 -0.03 0.00
IP CORINTH___1 23988	29.67 1.43 -7.25	26.65 1.34 -4.73	26.28 1.50 -1.05	25.95 1.52 -0.22	27.26 1.64 0.00	30.17 1.89 0.00	35.80 2.44 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.08 2.97 0.00	41.47 3.39 0.00	41.47 3.18 0.00	40.82 2.95 0.00	42.12 3.05 0.00	41.86 3.03 0.00	46.65 3.19 -1.98	50.30 3.68 0.00	57.72 4.32 -0.07	51.33 3.59 -1.78	44.49 2.97 -1.40	40.00 2.75 -1.48	33.02 2.25 0.00	29.93 1.94 -0.31	28.71 1.71 -0.22

IP___TICONDEROGA 23804	30.44 2.20 -7.25	27.39 2.08 -4.72	27.09 2.30 -1.05	26.75 2.32 -0.22	28.16 2.54 0.00	31.30 3.03 0.00	37.17 3.80 0.00	46.93 4.92 0.00	45.16 5.02 0.00	41.71 4.60 0.00	43.29 5.22 0.00	43.30 5.02 0.00	42.49 4.62 0.00	43.88 4.81 0.00	43.57 4.74 0.00	48.43 4.98 -1.98	52.45 5.83 0.00	60.28 6.88 -0.07	53.40 5.65 -1.77	46.26 4.73 -1.40	41.64 4.40 -1.48	34.31 3.54 0.00	30.98 2.99 -0.31	29.62 2.62 -0.22
ISLIP_RES_REC 323679	31.59 2.16 -8.44	32.01 2.16 -9.26	28.91 2.37 -2.80	32.22 2.37 -5.64	31.51 2.56 -3.32	33.12 2.71 -2.13	37.42 3.64 -0.42	46.26 4.24 0.00	42.95 2.81 0.00	39.89 2.78 0.00	41.47 3.39 -0.01	41.97 3.52 -0.16	41.40 3.52 -0.01	42.75 3.67 -0.01	42.49 3.65 -0.01	48.26 4.56 -2.22	59.60 5.27 -7.71	66.55 6.13 -7.09	62.35 5.24 -11.15	53.55 4.81 -8.62	50.02 4.11 -10.14	40.60 3.48 -6.35	37.24 3.02 -6.54	33.44 2.70 -3.95
JAMAICA__27_KV_LOAD 355505	28.77 1.55 -6.23	26.15 1.50 -4.06	26.25 1.61 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.08 1.81 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.11 3.01 0.00	41.01 2.93 0.00	41.27 2.99 0.00	40.82 2.95 0.00	42.16 3.09 0.00	41.90 3.07 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.19 4.80 -0.06	51.54 4.05 -1.52	44.98 3.65 -1.20	40.01 2.97 -1.27	33.48 2.71 0.00	30.33 2.38 -0.27	29.09 2.12 -0.19
JANIS___SOLAR 323808	23.43 0.71 -1.72	22.41 0.70 -1.12	24.74 0.76 -0.25	25.18 0.92 -0.05	26.80 1.18 0.00	29.66 1.39 0.00	35.27 1.90 0.00	44.49 2.48 0.00	42.30 2.17 0.00	38.93 1.82 0.00	39.79 1.72 0.00	39.93 1.65 0.00	39.57 1.71 0.00	40.83 1.76 0.00	40.53 1.71 0.00	43.76 1.82 -0.46	49.09 2.47 0.00	56.39 3.04 -0.02	48.87 2.48 -0.42	42.54 2.09 -0.33	37.97 1.86 -0.35	32.43 1.66 0.00	28.97 1.22 -0.07	27.88 1.04 -0.05
JARVIS____ 23743	21.08 0.00 -0.09	20.65 0.00 -0.06	23.77 0.02 -0.01	24.21 0.00 0.00	25.68 0.05 0.00	28.33 0.06 0.00	33.50 0.13 0.00	42.23 0.21 0.00	40.30 0.16 0.00	37.26 0.15 0.00	38.23 0.15 0.00	38.48 0.19 0.00	38.06 0.19 0.00	39.27 0.20 0.00	39.02 0.20 0.00	41.71 0.21 -0.02	46.81 0.19 0.00	53.55 0.21 0.00	46.17 0.18 -0.02	40.30 0.16 -0.02	35.93 0.14 -0.02	30.86 0.09 0.00	27.77 0.08 0.00	26.84 0.05 0.00
JENNISON___1 23625	24.10 0.88 -2.22	22.92 0.89 -1.45	25.00 0.95 -0.32	25.39 1.11 -0.07	27.03 1.41 0.00	29.89 1.61 0.00	35.57 2.20 0.00	44.87 2.86 0.00	42.75 2.61 0.00	39.41 2.30 0.00	40.36 2.28 0.00	40.70 2.41 0.00	40.33 2.46 0.00	41.65 2.58 0.00	41.31 2.48 0.00	44.73 2.65 -0.60	49.88 3.26 0.00	57.14 3.79 -0.02	49.50 2.99 -0.54	43.08 2.53 -0.43	38.47 2.25 -0.45	32.80 2.03 0.00	29.27 1.49 -0.10	28.19 1.34 -0.07
JENNISON___2 23626	24.10 0.88 -2.22	22.92 0.89 -1.45	25.00 0.95 -0.32	25.39 1.11 -0.07	27.03 1.41 0.00	29.89 1.61 0.00	35.57 2.20 0.00	44.87 2.86 0.00	42.75 2.61 0.00	39.41 2.30 0.00	40.36 2.28 0.00	40.70 2.41 0.00	40.33 2.46 0.00	41.65 2.58 0.00	41.31 2.48 0.00	44.73 2.65 -0.60	49.88 3.26 0.00	57.14 3.79 -0.02	49.50 2.99 -0.54	43.08 2.53 -0.43	38.47 2.25 -0.45	32.80 2.03 0.00	29.27 1.49 -0.10	28.19 1.34 -0.07
JERICHO_RISE_WT_PWR 323719	10.07 -2.39 8.53	17.36 -2.41 0.82	21.52 -2.23 -0.02	10.57 -3.24 10.39	23.73 -1.90 0.00	26.83 -1.44 0.00	32.47 -0.90 0.00	41.64 -0.38 0.00	39.58 -0.56 0.00	36.81 -0.30 0.00	37.35 -0.72 0.00	38.21 -0.08 0.00	37.79 -0.08 0.00	38.80 -0.27 0.00	38.48 -0.35 0.00	40.85 -0.67 -0.03	44.43 -2.19 0.00	50.46 -2.88 0.00	43.15 -2.85 -0.03	37.94 -2.21 -0.02	33.97 -1.82 -0.03	28.34 -2.43 0.00	25.11 -2.57 -0.01	24.48 -2.30 0.00
KATONAH___115KV_46KV_TB4 355592	28.69 1.43 -6.27	26.06 1.38 -4.09	26.16 1.52 -0.91	25.97 1.57 -0.19	27.21 1.59 0.00	30.03 1.75 0.00	35.70 2.34 0.00	45.13 3.11 0.00	43.23 3.09 0.00	39.93 2.82 0.00	41.01 2.93 0.00	41.27 2.99 0.00	40.82 2.95 0.00	42.16 3.09 0.00	41.93 3.11 0.00	46.67 3.48 -1.71	50.58 3.96 0.00	57.93 4.53 -0.06	51.36 3.86 -1.53	44.70 3.37 -1.21	39.94 2.90 -1.28	33.26 2.49 0.00	30.11 2.16 -0.27	28.90 1.93 -0.19
KCE_NY_1 323755	29.45 1.22 -7.24	26.46 1.15 -4.72	26.06 1.28 -1.05	25.73 1.31 -0.22	27.01 1.38 0.00	29.86 1.58 0.00	35.33 1.97 0.00	44.58 2.56 0.00	42.71 2.57 0.00	39.52 2.41 0.00	40.70 2.63 0.00	40.89 2.60 0.00	40.33 2.46 0.00	41.65 2.58 0.00	41.39 2.56 0.00	46.14 2.69 -1.97	49.74 3.12 0.00	57.03 3.63 -0.07	50.77 3.03 -1.77	44.09 2.57 -1.40	39.60 2.36 -1.48	32.71 1.94 0.00	29.71 1.72 -0.31	28.50 1.50 -0.22
KCE_NY_6_ESR 323823	20.75 -1.24 -1.00	20.03 -1.21 -0.65	22.34 -1.54 -0.15	22.88 -1.35 -0.03	24.83 -0.79 0.00	27.51 -0.76 0.00	32.43 -0.93 0.00	40.21 -1.81 0.00	38.17 -1.97 0.00	35.10 -2.00 0.00	36.25 -1.83 0.00	35.65 -2.64 0.00	35.29 -2.58 0.00	36.49 -2.58 0.00	36.19 -2.64 0.00	38.30 -3.40 -0.23	43.73 -2.89 0.00	49.99 -3.36 -0.01	42.86 -3.31 -0.21	37.40 -2.89 -0.16	33.33 -2.61 -0.17	29.51 -1.26 0.00	26.28 -1.44 -0.04	25.10 -1.71 -0.03
KEDC_PORT_JEFF_GT2 24210	31.51 2.08 -8.44	31.93 2.08 -9.27	28.84 2.30 -2.81	32.13 2.27 -5.65	31.41 2.46 -3.33	33.01 2.60 -2.13	37.25 3.47 -0.42	46.01 3.99 0.00	42.75 2.61 0.00	39.74 2.63 0.00	41.29 3.20 -0.01	41.78 3.33 -0.16	41.21 3.33 -0.01	42.56 3.48 -0.01	42.29 3.45 -0.01	48.05 4.35 -2.22	59.30 4.99 -7.69	66.26 5.87 -7.06	62.05 4.97 -11.11	53.33 4.61 -8.59	49.82 3.93 -10.12	40.43 3.32 -6.33	37.16 2.93 -6.55	33.37 2.63 -3.96
KEDC_PORT_JEFF_GT3 24211	31.51 2.08 -8.44	31.93 2.08 -9.27	28.84 2.30 -2.81	32.13 2.27 -5.65	31.41 2.46 -3.33	33.01 2.60 -2.13	37.25 3.47 -0.42	46.01 3.99 0.00	42.75 2.61 0.00	39.74 2.63 0.00	41.29 3.20 -0.01	41.78 3.33 -0.16	41.21 3.33 -0.01	42.56 3.48 -0.01	42.29 3.45 -0.01	48.05 4.35 -2.22	59.30 4.99 -7.69	66.26 5.87 -7.06	62.05 4.97 -11.11	53.33 4.61 -8.59	49.82 3.93 -10.12	40.43 3.32 -6.33	37.16 2.93 -6.55	33.37 2.63 -3.96
KEDC_GLWD_GT4 24219	30.62 1.76 -7.87	30.21 1.71 -7.91	27.92 1.87 -2.31	30.40 1.96 -4.24	30.06 1.97 -2.46	32.00 2.15 -1.58	36.48 2.80 -0.31	45.55 3.53 0.00	43.31 3.17 0.00	40.11 3.00 0.00	41.36 3.28 -0.01	41.87 3.37 -0.21	41.25 3.37 -0.01	42.56 3.48 -0.01	42.29 3.45 -0.01	47.80 3.94 -2.38	61.15 4.48 -10.05	67.72 5.17 -9.22	64.45 4.41 -14.06	54.67 3.89 -10.66	51.61 3.33 -12.51	41.94 2.89 -8.28	35.26 2.66 -4.92	32.09 2.33 -2.98
KEDC_GLWD_GT5 24220	30.62 1.76 -7.87	30.21 1.71 -7.91	27.92 1.87 -2.31	30.40 1.96 -4.24	30.06 1.97 -2.46	32.00 2.15 -1.58	36.48 2.80 -0.31	45.55 3.53 0.00	43.31 3.17 0.00	40.11 3.00 0.00	41.36 3.28 -0.01	41.87 3.37 -0.21	41.25 3.37 -0.01	42.56 3.48 -0.01	42.29 3.45 -0.01	47.80 3.94 -2.38	61.15 4.48 -10.05	67.72 5.17 -9.22	64.45 4.41 -14.06	54.67 3.89 -10.66	51.61 3.33 -12.51	41.94 2.89 -8.28	35.26 2.66 -4.92	32.09 2.33 -2.98

KENSICO____ 23655	28.62 1.41 -6.22	26.05 1.40 -4.06	26.15 1.52 -0.90	25.97 1.57 -0.19	27.21 1.59 0.00	29.97 1.70 0.00	35.63 2.27 0.00	45.04 3.03 0.00	43.07 2.93 0.00	39.74 2.63 0.00	40.86 2.78 0.00	41.08 2.80 0.00	40.67 2.80 0.00	41.96 2.89 0.00	41.74 2.91 0.00	46.45 3.28 -1.70	50.44 3.82 0.00	57.82 4.43 -0.06	51.17 3.68 -1.52	44.61 3.29 -1.20	39.79 2.75 -1.27	33.20 2.43 0.00	30.08 2.13 -0.27	28.87 1.90 -0.19
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	28.22 1.18 -6.06	25.69 1.15 -3.95	25.89 1.28 -0.88	25.72 1.33 -0.19	27.01 1.38 0.00	29.77 1.50 0.00	35.40 2.04 0.00	44.71 2.69 0.00	42.75 2.61 0.00	39.30 2.19 0.00	40.29 2.21 0.00	40.59 2.30 0.00	40.14 2.27 0.00	41.45 2.38 0.00	41.27 2.45 0.00	46.03 2.90 -1.65	50.02 3.40 0.00	57.44 4.05 -0.06	50.85 3.40 -1.48	44.22 2.93 -1.17	39.47 2.47 -1.23	32.96 2.18 0.00	29.85 1.91 -0.26	28.65 1.69 -0.19
KIAC_JFK_GT1 23816	28.65 1.43 -6.23	26.05 1.40 -4.06	26.13 1.50 -0.90	25.94 1.55 -0.19	27.16 1.54 0.00	29.94 1.67 0.00	35.63 2.27 0.00	44.83 2.82 0.00	42.95 2.81 0.00	39.89 2.78 0.00	40.67 2.59 0.00	40.89 2.60 0.00	40.48 2.61 0.00	41.77 2.70 0.00	41.51 2.68 0.00	46.33 3.15 -1.70	50.26 3.64 0.00	57.66 4.27 -0.06	51.03 3.54 -1.52	44.53 3.21 -1.20	39.65 2.61 -1.27	33.30 2.52 0.00	30.16 2.21 -0.27	28.92 1.95 -0.19
KIAC_JFK_GT2 23817	28.65 1.43 -6.23	26.05 1.40 -4.06	26.13 1.50 -0.90	25.94 1.55 -0.19	27.16 1.54 0.00	29.94 1.67 0.00	35.63 2.27 0.00	44.83 2.82 0.00	42.95 2.81 0.00	39.89 2.78 0.00	40.67 2.59 0.00	40.89 2.60 0.00	40.48 2.61 0.00	41.77 2.70 0.00	41.51 2.68 0.00	46.33 3.15 -1.70	50.26 3.64 0.00	57.66 4.27 -0.06	51.03 3.54 -1.52	44.53 3.21 -1.20	39.65 2.61 -1.27	33.30 2.52 0.00	30.16 2.21 -0.27	28.92 1.95 -0.19
KIAC_JFK____ 323774	28.65 1.43 -6.23	26.05 1.40 -4.06	26.13 1.50 -0.90	25.95 1.55 -0.19	27.16 1.54 0.00	29.94 1.67 0.00	35.64 2.27 0.00	44.79 2.77 0.00	42.91 2.77 0.00	39.67 2.56 0.00	40.55 2.47 0.00	40.89 2.60 0.00	40.48 2.61 0.00	41.77 2.69 0.00	41.51 2.68 0.00	46.32 3.15 -1.70	50.21 3.59 0.00	57.61 4.21 -0.06	51.08 3.59 -1.52	44.54 3.21 -1.20	39.65 2.61 -1.27	33.23 2.46 0.00	30.24 2.30 -0.27	28.92 1.95 -0.19
KINTIGH____ 23543	20.94 -0.88 -0.83	20.27 -0.86 -0.54	22.64 -1.21 -0.12	23.00 -1.23 -0.03	24.24 -1.38 0.00	26.78 -1.50 0.00	31.43 -1.94 0.00	38.82 -3.19 0.00	37.05 -3.09 0.00	34.25 -2.86 0.00	34.84 -3.24 0.00	34.84 -3.45 0.00	34.46 -3.41 0.00	35.63 -3.53 0.00	35.29 -3.73 0.00	37.99 -3.96 -0.25	42.66 -4.59 0.00	48.76 -5.77 -0.01	42.42 -3.77 -0.22	37.29 -3.01 -0.18	33.27 -2.68 -0.19	28.83 -1.94 0.00	26.36 -1.36 -0.04	25.28 -1.53 -0.03
KNTFSRNC_46_KV_46KV_LOAD 80397	10.28 -2.06 8.65	17.65 -2.10 0.83	21.88 -1.87 -0.02	10.69 -2.98 10.54	24.11 -1.51 0.00	27.29 -0.99 0.00	32.97 -0.40 0.00	42.31 0.29 0.00	40.18 0.04 0.00	37.37 0.26 0.00	37.93 -0.15 0.00	38.79 0.50 0.00	38.36 0.49 0.00	39.38 0.31 0.00	39.02 0.19 0.00	41.39 -0.12 -0.03	44.94 -1.68 0.00	51.10 -2.24 0.00	44.80 -1.20 -0.03	38.50 -1.65 -0.02	34.54 -1.25 -0.03	28.86 -1.91 0.00	25.83 -1.85 -0.01	24.85 -1.93 0.00
LACHUTE__HYDRO 323717	30.44 2.20 -7.25	27.39 2.08 -4.72	27.08 2.30 -1.05	26.75 2.32 -0.22	28.16 2.54 0.00	31.30 3.03 0.00	37.17 3.80 0.00	46.93 4.91 0.00	45.11 4.98 0.00	41.71 4.60 0.00	43.29 5.22 0.00	43.30 5.01 0.00	42.48 4.62 0.00	43.88 4.80 0.00	43.56 4.74 0.00	48.43 4.97 -1.98	52.40 5.78 0.00	60.29 6.88 -0.07	53.39 5.65 -1.77	46.25 4.73 -1.40	41.64 4.40 -1.48	34.31 3.54 0.00	31.04 3.04 -0.31	29.63 2.63 -0.22
LAWRNCV_115KV_TB1 80681	11.94 -1.78 7.27	18.13 -1.79 0.67	22.09 -1.66 -0.02	12.70 -2.59 8.92	24.21 -1.41 0.00	27.23 -1.05 0.00	33.10 -0.27 0.00	42.35 0.34 0.00	40.18 0.04 0.00	37.26 0.15 0.00	37.96 -0.11 0.00	38.71 0.42 0.00	38.28 0.42 0.00	39.35 0.27 0.00	39.02 0.19 0.00	41.56 0.04 -0.04	45.59 -1.03 0.00	52.06 -1.28 0.00	45.32 -0.69 -0.04	39.03 -1.12 -0.03	34.98 -0.82 -0.03	29.11 -1.66 0.00	26.05 -1.63 -0.01	25.10 -1.69 0.00
LEDERLE____ 23769	28.50 1.39 -6.12	25.94 1.36 -3.99	26.12 1.50 -0.89	25.94 1.55 -0.19	27.19 1.56 0.00	29.97 1.70 0.00	35.67 2.30 0.00	45.04 3.03 0.00	43.07 2.93 0.00	39.71 2.60 0.00	40.78 2.70 0.00	41.05 2.76 0.00	40.59 2.73 0.00	41.92 2.85 0.00	41.66 2.83 0.00	46.38 3.24 -1.67	50.44 3.82 0.00	57.82 4.43 -0.06	51.19 3.72 -1.50	44.55 3.25 -1.18	39.77 2.75 -1.25	33.17 2.40 0.00	30.05 2.10 -0.26	28.84 1.87 -0.19
LIGHTHSE_115KV_TB6 355974	20.40 -0.21 0.38	20.60 -0.21 -0.22	23.56 -0.24 -0.07	22.98 -0.22 1.00	25.52 -0.10 0.00	28.22 -0.06 0.00	33.33 -0.03 0.00	42.06 0.04 0.00	40.06 -0.08 0.00	37.11 0.00 0.00	37.93 -0.15 0.00	38.14 -0.15 0.00	37.72 -0.15 0.00	38.88 -0.20 0.00	38.60 -0.23 0.00	41.44 -0.17 -0.13	46.29 -0.33 0.00	53.13 -0.21 0.00	45.62 -0.46 -0.11	39.81 -0.40 -0.09	35.58 -0.29 -0.10	30.53 -0.25 0.00	27.37 -0.33 -0.02	26.53 -0.27 -0.01
LINDEN COGEN____ 23786	28.73 1.51 -6.23	26.15 1.50 -4.06	26.25 1.61 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.06 1.78 0.00	35.77 2.40 0.00	45.17 3.15 0.00	43.27 3.13 0.00	39.97 2.86 0.00	40.97 2.89 0.00	41.31 3.02 0.00	40.86 2.99 0.00	42.20 3.13 0.00	41.89 3.07 0.00	46.70 3.52 -1.70	50.58 3.96 0.00	57.98 4.59 -0.06	51.40 3.91 -1.52	44.86 3.53 -1.20	39.97 2.93 -1.27	33.32 2.55 0.00	30.27 2.33 -0.27	29.00 2.03 -0.19
LINDHRST_69_KV_BK1 356055	31.48 2.12 -8.37	31.76 2.08 -9.09	28.75 2.28 -2.74	32.02 2.35 -5.47	31.27 2.43 -3.21	32.99 2.66 -2.06	37.24 3.47 -0.40	46.09 4.08 0.00	43.59 3.45 0.00	40.11 3.01 0.00	41.70 3.62 -0.01	42.10 3.64 -0.17	41.55 3.67 -0.01	42.87 3.79 -0.01	42.64 3.81 -0.01	48.16 4.44 -2.25	59.82 5.08 -8.12	66.71 5.92 -7.45	62.63 5.01 -11.65	53.58 4.49 -8.96	50.21 3.90 -10.54	40.93 3.48 -6.68	37.06 3.04 -6.34	33.40 2.79 -3.83
LIPA_MISC_IPP 23656	31.41 1.97 -8.45	31.88 2.02 -9.27	28.77 2.23 -2.81	31.99 2.13 -5.66	31.36 2.41 -3.33	32.87 2.46 -2.13	37.25 3.47 -0.42	46.09 4.08 0.00	42.95 2.81 0.00	39.26 2.15 0.00	40.94 2.86 -0.01	41.32 2.87 -0.16	40.75 2.88 -0.01	42.09 3.01 -0.01	41.87 3.03 -0.01	47.84 4.15 -2.22	59.10 4.80 -7.67	66.04 5.65 -7.05	61.80 4.73 -11.10	53.28 4.57 -8.58	49.77 3.90 -10.10	40.32 3.23 -6.32	36.84 2.60 -6.56	33.10 2.36 -3.96
LISF__SOLAR 323691	31.45 2.02 -8.44	31.90 2.04 -9.27	28.80 2.26 -2.81	32.02 2.15 -5.66	31.41 2.46 -3.33	32.90 2.49 -2.13	37.29 3.50 -0.42	46.14 4.12 0.00	42.34 2.21 0.00	39.33 2.23 0.00	40.90 2.82 -0.01	41.40 2.95 -0.16	40.79 2.92 -0.01	42.17 3.09 -0.01	41.90 3.07 -0.01	47.88 4.19 -2.22	59.19 4.89 -7.68	66.10 5.71 -7.05	61.94 4.87 -11.10	53.40 4.69 -8.59	49.84 3.97 -10.11	40.35 3.26 -6.32	36.95 2.71 -6.56	33.12 2.38 -3.96

LITTLE FALLS___HYD 24013	20.77 -0.31 -0.09	20.38 -0.27 -0.06	23.48 -0.26 -0.01	24.06 -0.15 0.00	25.68 0.05 0.00	28.47 0.20 0.00	33.73 0.37 0.00	42.56 0.55 0.00	40.66 0.52 0.00	37.59 0.48 0.00	38.61 0.53 0.00	38.86 0.57 0.00	38.47 0.61 0.00	39.66 0.59 0.00	39.33 0.50 0.00	41.96 0.46 -0.02	46.99 0.37 0.00	53.76 0.43 0.00	46.27 0.28 -0.02	40.26 0.12 -0.02	35.86 0.07 -0.02	30.80 0.03 0.00	27.68 0.00 0.00	26.75 -0.03 0.00
LITTLRIV_115KV_TB1 356100	12.24 -1.64 7.11	18.29 -1.65 0.65	22.26 -1.50 -0.02	13.06 -2.42 8.73	24.45 -1.18 0.00	27.51 -0.76 0.00	33.50 0.13 0.00	42.94 0.92 0.00	40.66 0.52 0.00	37.67 0.56 0.00	38.31 0.23 0.00	39.09 0.80 0.00	38.62 0.76 0.00	39.74 0.66 0.00	39.41 0.58 0.00	41.98 0.46 -0.04	46.11 -0.51 0.00	52.80 -0.53 0.00	45.92 -0.09 -0.04	39.55 -0.60 -0.03	35.44 -0.36 -0.03	29.48 -1.29 0.00	26.36 -1.33 -0.01	25.34 -1.45 0.00
LI_NEWBRDGE___DRP 323616	31.33 1.85 -8.49	31.78 1.81 -9.38	28.57 1.99 -2.85	32.03 2.06 -5.77	31.13 2.10 -3.40	32.74 2.29 -2.18	36.76 2.97 -0.43	45.55 3.53 0.00	43.19 3.05 0.00	39.82 2.71 0.00	41.32 3.24 -0.01	41.66 3.22 -0.16	41.17 3.29 -0.01	42.44 3.36 -0.01	42.21 3.38 -0.01	47.58 3.90 -2.20	58.52 4.48 -7.42	65.33 5.17 -6.82	61.12 4.37 -10.78	52.42 3.93 -8.36	48.98 3.36 -9.85	39.87 2.98 -6.11	37.05 2.68 -6.69	33.26 2.44 -4.04
LOCKPORT_115KV_TB60_63_64 80432	20.68 -1.22 -0.91	19.99 -1.19 -0.59	22.25 -1.61 -0.13	22.71 -1.52 -0.03	24.27 -1.36 0.00	26.80 -1.47 0.00	31.53 -1.84 0.00	38.78 -3.24 0.00	36.97 -3.17 0.00	34.14 -2.97 0.00	34.69 -3.39 0.00	34.54 -3.75 0.00	34.19 -3.67 0.00	35.36 -3.71 0.00	34.98 -3.84 0.00	37.46 -4.23 -0.21	42.38 -4.24 0.00	48.49 -4.85 -0.01	41.93 -4.23 -0.19	36.82 -3.45 -0.15	32.81 -3.11 -0.16	28.83 -1.94 0.00	26.06 -1.66 -0.04	24.99 -1.82 -0.03
LOCKPORT___CC1 323769	20.69 -1.22 -0.92	19.99 -1.19 -0.60	22.28 -1.59 -0.13	22.71 -1.52 -0.03	24.26 -1.36 0.00	26.83 -1.44 0.00	31.56 -1.80 0.00	39.03 -2.98 0.00	37.09 -3.05 0.00	34.14 -2.97 0.00	35.26 -2.82 0.00	34.50 -3.79 0.00	34.16 -3.71 0.00	35.32 -3.75 0.00	35.02 -3.80 0.00	37.29 -4.40 -0.21	42.28 -4.33 0.00	48.39 -4.96 -0.01	41.97 -4.18 -0.19	36.78 -3.49 -0.15	32.81 -3.11 -0.16	28.83 -1.94 0.00	25.70 -2.02 -0.04	24.96 -1.85 -0.03
LOCKPORT___CC2 323770	20.69 -1.22 -0.92	19.99 -1.19 -0.60	22.28 -1.59 -0.13	22.71 -1.52 -0.03	24.26 -1.36 0.00	26.83 -1.44 0.00	31.56 -1.80 0.00	39.03 -2.98 0.00	37.09 -3.05 0.00	34.14 -2.97 0.00	35.26 -2.82 0.00	34.50 -3.79 0.00	34.16 -3.71 0.00	35.32 -3.75 0.00	35.02 -3.80 0.00	37.29 -4.40 -0.21	42.28 -4.33 0.00	48.39 -4.96 -0.01	41.97 -4.18 -0.19	36.78 -3.49 -0.15	32.81 -3.11 -0.16	28.83 -1.94 0.00	25.70 -2.02 -0.04	24.96 -1.85 -0.03
LOCKPORT___CC3 323771	20.69 -1.22 -0.92	19.99 -1.19 -0.60	22.28 -1.59 -0.13	22.71 -1.52 -0.03	24.26 -1.36 0.00	26.83 -1.44 0.00	31.56 -1.80 0.00	39.03 -2.98 0.00	37.09 -3.05 0.00	34.14 -2.97 0.00	35.26 -2.82 0.00	34.50 -3.79 0.00	34.16 -3.71 0.00	35.32 -3.75 0.00	35.02 -3.80 0.00	37.29 -4.40 -0.21	42.28 -4.33 0.00	48.39 -4.96 -0.01	41.97 -4.18 -0.19	36.78 -3.49 -0.15	32.81 -3.11 -0.16	28.83 -1.94 0.00	25.70 -2.02 -0.04	24.96 -1.85 -0.03
LONG_LAKE_PHOENIX 24014	21.07 -0.25 -0.33	20.67 -0.25 -0.33	23.48 -0.33 -0.08	23.69 -0.29 0.22	25.27 -0.36 0.00	27.88 -0.40 0.00	32.76 -0.60 0.00	41.18 -0.84 0.00	39.34 -0.80 0.00	36.40 -0.71 0.00	37.28 -0.80 0.00	37.45 -0.84 0.00	37.03 -0.83 0.00	38.21 -0.86 0.00	37.97 -0.85 0.00	40.67 -0.95 -0.15	45.64 -0.98 0.00	52.22 -1.12 0.00	45.18 -0.92 -0.13	39.46 -0.76 -0.10	35.20 -0.68 -0.11	30.22 -0.55 0.00	27.18 -0.53 -0.02	26.37 -0.43 -0.02
LOVETT___3 23632	28.46 1.32 -6.14	25.89 1.30 -4.01	26.05 1.42 -0.89	25.84 1.45 -0.19	27.08 1.46 0.00	29.86 1.58 0.00	35.50 2.14 0.00	44.83 2.82 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.63 2.55 0.00	40.85 2.57 0.00	40.44 2.57 0.00	41.73 2.66 0.00	41.51 2.68 0.00	46.18 3.03 -1.68	50.16 3.54 0.00	57.55 4.16 -0.06	50.92 3.45 -1.50	44.36 3.05 -1.18	39.59 2.58 -1.25	33.02 2.25 0.00	29.94 1.99 -0.26	28.73 1.77 -0.19
LOVETT___4 23642	28.46 1.32 -6.14	25.89 1.30 -4.01	26.05 1.42 -0.89	25.84 1.45 -0.19	27.08 1.46 0.00	29.86 1.58 0.00	35.50 2.14 0.00	44.83 2.82 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.63 2.55 0.00	40.85 2.57 0.00	40.44 2.57 0.00	41.73 2.66 0.00	41.51 2.68 0.00	46.18 3.03 -1.68	50.16 3.54 0.00	57.55 4.16 -0.06	50.92 3.45 -1.50	44.36 3.05 -1.18	39.59 2.58 -1.25	33.02 2.25 0.00	29.94 1.99 -0.26	28.73 1.77 -0.19
LOVETT___5 23593	28.46 1.32 -6.14	25.89 1.30 -4.01	26.05 1.42 -0.89	25.84 1.45 -0.19	27.08 1.46 0.00	29.86 1.58 0.00	35.50 2.14 0.00	44.83 2.82 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.63 2.55 0.00	40.85 2.57 0.00	40.44 2.57 0.00	41.73 2.66 0.00	41.51 2.68 0.00	46.18 3.03 -1.68	50.16 3.54 0.00	57.55 4.16 -0.06	50.92 3.45 -1.50	44.36 3.05 -1.18	39.59 2.58 -1.25	33.02 2.25 0.00	29.94 1.99 -0.26	28.73 1.77 -0.19
LOWER RAQUET___HYD 24057	12.27 -1.76 6.96	18.18 -1.77 0.64	22.12 -1.64 -0.02	13.12 -2.54 8.55	24.26 -1.36 0.00	27.28 -0.99 0.00	33.17 -0.20 0.00	42.44 0.42 0.00	40.26 0.12 0.00	37.33 0.22 0.00	38.00 -0.08 0.00	38.78 0.50 0.00	38.32 0.46 0.00	39.42 0.35 0.00	39.10 0.27 0.00	41.60 0.08 -0.05	45.69 -0.93 0.00	52.16 -1.17 0.00	44.77 -1.24 -0.04	39.11 -1.04 -0.03	34.98 -0.82 -0.03	29.17 -1.60 0.00	25.83 -1.85 -0.01	25.12 -1.66 -0.01
LOWER___HUDSON 24059	29.10 0.97 -7.14	26.17 0.93 -4.65	25.79 1.02 -1.04	25.46 1.04 -0.22	26.65 1.03 0.00	29.46 1.19 0.00	34.83 1.47 0.00	43.91 1.89 0.00	42.02 1.89 0.00	38.89 1.78 0.00	39.98 1.90 0.00	40.24 1.95 0.00	39.76 1.89 0.00	40.99 1.91 0.00	40.77 1.94 0.00	45.46 2.03 -1.95	48.90 2.28 0.00	56.17 2.77 -0.07	50.01 2.30 -1.75	43.51 2.01 -1.38	39.05 1.82 -1.46	32.31 1.54 0.00	29.40 1.41 -0.31	28.23 1.23 -0.22
LOWVILLE_115KV_TB2 356335	18.82 -0.44 1.73	20.12 -0.43 0.04	23.39 -0.38 -0.04	21.42 -0.41 2.38	25.83 0.20 0.00	28.64 0.37 0.00	34.23 0.87 0.00	43.44 1.43 0.00	41.26 1.12 0.00	38.11 1.00 0.00	38.99 0.91 0.00	39.36 1.07 0.00	38.93 1.06 0.00	40.13 1.05 0.00	39.80 0.97 0.00	42.71 1.16 -0.07	47.69 1.07 0.00	54.83 1.49 0.00	46.90 0.87 -0.06	40.74 0.56 -0.05	36.32 0.50 -0.05	30.90 0.12 0.00	27.61 -0.08 -0.01	26.60 -0.19 -0.01
LUTHERFT_115KV_GLOB_FND_222 355753	29.43 1.20 -7.24	26.46 1.15 -4.72	26.06 1.28 -1.05	25.73 1.31 -0.22	26.98 1.36 0.00	29.83 1.56 0.00	35.33 1.97 0.00	44.58 2.56 0.00	42.71 2.57 0.00	39.48 2.37 0.00	40.74 2.67 0.00	40.89 2.60 0.00	40.33 2.46 0.00	41.61 2.54 0.00	41.35 2.52 0.00	46.15 2.70 -1.97	49.70 3.08 0.00	57.03 3.63 -0.07	50.73 2.99 -1.77	44.05 2.53 -1.40	39.57 2.32 -1.48	32.71 1.94 0.00	29.68 1.69 -0.31	28.50 1.50 -0.22

LUTHERNY_35_KV_BK2 355980	29.45 1.22 -7.24	26.46 1.15 -4.72	26.06 1.28 -1.05	25.73 1.31 -0.22	27.01 1.38 0.00	29.86 1.58 0.00	35.37 2.00 0.00	44.62 2.60 0.00	42.75 2.61 0.00	39.52 2.41 0.00	40.78 2.70 0.00	40.89 2.60 0.00	40.33 2.46 0.00	41.65 2.58 0.00	41.39 2.56 0.00	46.15 2.70 -1.97	49.74 3.12 0.00	57.08 3.68 -0.07	50.77 3.03 -1.77	44.09 2.57 -1.40	39.60 2.36 -1.48	32.74 1.97 0.00	29.68 1.69 -0.31	28.53 1.53 -0.22
LWR___OSWEGATCHIE_HYD 23850	15.25 -1.13 4.60	19.10 -1.13 0.36	22.70 -1.07 -0.03	16.89 -1.52 5.79	24.96 -0.67 0.00	27.85 -0.42 0.00	33.57 0.20 0.00	42.81 0.80 0.00	40.62 0.48 0.00	37.59 0.48 0.00	38.38 0.30 0.00	38.94 0.65 0.00	38.47 0.61 0.00	39.62 0.55 0.00	39.29 0.47 0.00	41.99 0.46 -0.06	46.53 -0.09 0.00	53.34 0.00 0.00	46.02 0.00 -0.05	39.81 -0.36 -0.04	35.60 -0.21 -0.05	29.97 -0.80 0.00	26.78 -0.91 -0.01	25.79 -0.99 -0.01
LYONS_FALL_HYD 23570	19.84 -0.13 1.03	20.49 -0.12 -0.02	23.67 -0.09 -0.03	22.59 -0.10 1.52	25.96 0.33 0.00	28.76 0.48 0.00	34.23 0.87 0.00	43.40 1.38 0.00	41.30 1.16 0.00	38.11 1.00 0.00	39.07 0.99 0.00	39.40 1.11 0.00	38.97 1.10 0.00	40.21 1.13 0.00	39.88 1.05 0.00	42.74 1.20 -0.07	47.83 1.21 0.00	54.89 1.55 0.00	46.99 0.97 -0.06	40.97 0.80 -0.05	36.49 0.68 -0.05	31.17 0.40 0.00	27.86 0.17 -0.01	26.89 0.11 -0.01
MADISON___COUNTY_LFGE 323628	21.43 0.38 -0.06	21.18 0.37 -0.22	24.19 0.40 -0.06	24.31 0.48 0.38	26.29 0.67 0.00	29.04 0.76 0.00	34.43 1.07 0.00	43.44 1.43 0.00	41.42 1.28 0.00	38.22 1.11 0.00	39.18 1.10 0.00	39.44 1.15 0.00	39.08 1.21 0.00	40.32 1.25 0.00	40.03 1.20 0.00	42.87 1.29 -0.11	48.11 1.49 0.00	55.10 1.76 0.00	47.44 1.38 -0.10	41.36 1.16 -0.07	36.88 1.04 -0.08	31.63 0.86 0.00	28.33 0.64 -0.02	27.38 0.59 -0.01
MALONE___115KV_TB1 356076	10.78 -2.08 8.13	17.72 -2.10 0.77	21.85 -1.90 -0.02	11.30 -2.98 9.93	24.06 -1.56 0.00	27.20 -1.07 0.00	33.07 -0.30 0.00	42.44 0.42 0.00	40.26 0.12 0.00	37.41 0.30 0.00	38.00 -0.08 0.00	38.86 0.57 0.00	38.40 0.53 0.00	39.42 0.35 0.00	39.10 0.27 0.00	41.51 0.00 -0.04	45.31 -1.31 0.00	51.58 -1.76 0.00	45.04 -0.97 -0.03	38.71 -1.44 -0.03	34.72 -1.07 -0.03	28.86 -1.91 0.00	25.80 -1.88 -0.01	24.83 -1.95 0.00
MAPLEWOD_115KV_TB3 80458	28.79 0.69 -7.11	25.90 0.68 -4.63	25.55 0.78 -1.03	25.22 0.80 -0.22	26.34 0.72 0.00	29.09 0.82 0.00	34.40 1.03 0.00	43.44 1.43 0.00	41.54 1.40 0.00	38.41 1.30 0.00	39.56 1.49 0.00	39.78 1.49 0.00	39.27 1.40 0.00	40.52 1.45 0.00	40.30 1.48 0.00	44.99 1.58 -1.94	48.39 1.77 0.00	55.53 2.13 -0.07	49.46 1.75 -1.74	43.02 1.52 -1.37	38.61 1.39 -1.45	31.94 1.17 0.00	29.04 1.05 -0.31	27.91 0.91 -0.22
MAPLE_RIDGE_WT_1 323574	9.84 -1.13 10.01	18.43 -1.11 1.05	22.69 -1.04 0.00	10.88 -1.31 12.02	24.80 -0.82 0.00	27.63 -0.65 0.00	33.00 -0.37 0.00	41.85 -0.17 0.00	39.90 -0.24 0.00	36.96 -0.15 0.00	37.81 -0.26 0.00	38.25 -0.04 0.00	37.83 -0.04 0.00	38.95 -0.12 0.00	38.67 -0.15 0.00	41.19 -0.29 0.00	45.83 -0.79 0.00	52.27 -1.07 0.00	44.96 -1.01 0.00	39.24 -0.88 0.00	34.98 -0.79 0.00	29.76 -1.01 0.00	26.60 -1.08 0.00	25.76 -1.02 0.00
MAPLE_RIDGE_WT_2 323611	9.84 -1.13 10.01	18.43 -1.11 1.05	22.69 -1.04 0.00	10.88 -1.31 12.02	24.80 -0.82 0.00	27.63 -0.65 0.00	33.00 -0.37 0.00	41.85 -0.17 0.00	39.90 -0.24 0.00	36.96 -0.15 0.00	37.81 -0.26 0.00	38.25 -0.04 0.00	37.83 -0.04 0.00	38.95 -0.12 0.00	38.67 -0.15 0.00	41.19 -0.29 0.00	45.83 -0.79 0.00	52.27 -1.07 0.00	44.96 -1.01 0.00	39.24 -0.88 0.00	34.98 -0.79 0.00	29.76 -1.01 0.00	26.60 -1.08 0.00	25.76 -1.02 0.00
MARBLE_RIVER_WT_PWR 323696	9.94 -2.35 8.70	17.38 -2.37 0.84	21.57 -2.18 -0.02	10.45 -3.17 10.59	23.81 -1.82 0.00	26.89 -1.38 0.00	32.50 -0.87 0.00	41.68 -0.34 0.00	39.61 -0.52 0.00	36.85 -0.26 0.00	37.43 -0.65 0.00	38.29 0.00 0.00	37.83 -0.04 0.00	38.88 -0.19 0.00	38.52 -0.31 0.00	40.89 -0.62 -0.03	44.43 -2.19 0.00	50.46 -2.88 0.00	43.15 -2.85 -0.03	37.94 -2.21 -0.02	33.97 -1.82 -0.03	28.40 -2.37 0.00	25.19 -2.49 -0.01	24.53 -2.25 0.00
MARSHVLE_115KV_TB1 80742	30.46 1.41 -8.06	27.16 1.32 -5.25	26.37 1.47 -1.17	25.98 1.52 -0.25	27.34 1.72 0.00	30.31 2.04 0.00	36.07 2.70 0.00	45.50 3.49 0.00	43.47 3.33 0.00	40.04 2.93 0.00	41.12 3.05 0.00	41.08 2.80 0.00	40.44 2.57 0.00	41.96 2.89 0.00	41.74 2.91 0.00	46.87 3.19 -2.20	50.58 3.96 0.00	58.10 4.69 -0.07	51.85 3.91 -1.97	44.93 3.25 -1.55	40.38 2.97 -1.64	33.20 2.43 0.00	30.07 2.05 -0.35	28.82 1.79 -0.25
MARSH_HILL_WT_PWR 323713	21.29 -0.99 -1.28	20.62 -0.80 -0.83	23.09 -0.83 -0.19	23.71 -0.53 -0.04	25.73 0.10 0.00	28.50 0.23 0.00	33.83 0.47 0.00	42.23 0.21 0.00	40.10 -0.04 0.00	36.96 -0.15 0.00	37.89 -0.19 0.00	37.52 -0.77 0.00	37.03 -0.83 0.00	38.21 -0.86 0.00	37.82 -1.01 0.00	40.23 -1.58 -0.33	45.73 -0.89 0.00	52.28 -1.07 -0.01	44.84 -1.43 -0.29	38.91 -1.44 -0.23	34.58 -1.43 -0.25	30.07 -0.71 0.00	26.74 -1.00 -0.06	25.42 -1.39 -0.04
MCINTYRE_115KV_TB2 80467	12.02 -1.62 7.35	18.28 -1.63 0.68	22.28 -1.47 -0.02	12.75 -2.44 9.01	24.47 -1.15 0.00	27.54 -0.74 0.00	33.63 0.27 0.00	43.11 1.09 0.00	40.74 0.60 0.00	37.70 0.59 0.00	38.34 0.27 0.00	39.09 0.80 0.00	38.62 0.76 0.00	39.70 0.63 0.00	39.41 0.58 0.00	42.02 0.50 -0.04	46.20 -0.42 0.00	52.91 -0.43 0.00	46.10 0.09 -0.04	39.71 -0.44 -0.03	35.58 -0.21 -0.03	29.57 -1.20 0.00	26.41 -1.27 -0.01	25.39 -1.39 0.00
MECO_____69_KV_BK1 80468	30.33 1.57 -7.77	27.14 1.48 -5.06	26.52 1.66 -1.13	26.16 1.72 -0.24	27.52 1.90 0.00	30.54 2.26 0.00	36.30 2.94 0.00	45.76 3.74 0.00	43.79 3.65 0.00	40.34 3.23 0.00	41.47 3.39 0.00	41.50 3.22 0.00	40.86 2.99 0.00	42.31 3.24 0.00	42.13 3.30 0.00	47.24 3.65 -2.12	51.09 4.48 0.00	58.74 5.33 -0.07	52.28 4.41 -1.90	45.31 3.69 -1.50	40.75 3.40 -1.58	33.51 2.74 0.00	30.31 2.30 -0.33	29.02 2.01 -0.24
MENANDS___115KV_TB5 355628	28.68 0.59 -7.10	25.81 0.60 -4.63	25.43 0.66 -1.03	25.10 0.68 -0.22	26.21 0.59 0.00	28.93 0.65 0.00	34.20 0.83 0.00	43.19 1.18 0.00	41.26 1.12 0.00	38.15 1.04 0.00	39.33 1.26 0.00	39.55 1.26 0.00	39.04 1.17 0.00	40.28 1.21 0.00	40.07 1.24 0.00	44.74 1.33 -1.94	48.11 1.49 0.00	55.16 1.76 -0.07	49.18 1.47 -1.74	42.74 1.24 -1.37	38.36 1.14 -1.45	31.76 0.98 0.00	28.90 0.91 -0.31	27.77 0.78 -0.22
MG INDUSTRY___DRP 24185	28.52 0.55 -6.99	25.70 0.56 -4.55	25.41 0.66 -1.01	25.07 0.65 -0.21	26.24 0.61 0.00	28.93 0.65 0.00	34.20 0.83 0.00	43.11 1.09 0.00	41.22 1.08 0.00	38.11 1.00 0.00	39.22 1.14 0.00	39.44 1.15 0.00	38.93 1.06 0.00	40.17 1.09 0.00	39.95 1.13 0.00	44.58 1.20 -1.91	47.97 1.35 0.00	55.05 1.65 -0.06	49.06 1.38 -1.71	42.64 1.16 -1.35	38.27 1.07 -1.43	31.70 0.92 0.00	28.81 0.83 -0.30	27.72 0.72 -0.21

MID___OSWEGATCHIE_HYD 23849	15.25 -1.13 4.60	19.10 -1.13 0.36	22.70 -1.07 -0.03	16.89 -1.52 5.79	24.96 -0.67 0.00	27.85 -0.42 0.00	33.57 0.20 0.00	42.81 0.80 0.00	40.62 0.48 0.00	37.59 0.48 0.00	38.38 0.30 0.00	38.94 0.65 0.00	38.47 0.61 0.00	39.62 0.55 0.00	39.29 0.47 0.00	41.99 0.46 -0.06	46.53 -0.09 0.00	53.34 0.00 0.00	46.02 0.00 -0.05	39.81 -0.36 -0.04	35.60 -0.21 -0.05	29.97 -0.80 0.00	26.78 -0.91 -0.01	25.79 -0.99 -0.01
MID___RAQUETTE_HYD 23851	12.27 -1.76 6.96	18.18 -1.77 0.64	22.12 -1.64 -0.02	13.11 -2.54 8.55	24.27 -1.36 0.00	27.29 -0.99 0.00	33.17 -0.20 0.00	42.44 0.42 0.00	40.26 0.12 0.00	37.33 0.22 0.00	38.00 -0.08 0.00	38.79 0.50 0.00	38.32 0.45 0.00	39.42 0.35 0.00	39.10 0.27 0.00	41.60 0.08 -0.05	45.69 -0.93 0.00	52.22 -1.12 0.00	45.41 -0.60 -0.04	39.11 -1.04 -0.03	35.05 -0.75 -0.03	29.17 -1.60 0.00	26.11 -1.58 -0.01	25.12 -1.66 -0.01
MILLIKEN___1 23584	22.54 0.27 -1.28	21.69 0.27 -0.83	24.20 0.28 -0.19	24.63 0.39 -0.04	26.14 0.51 0.00	28.87 0.59 0.00	34.13 0.77 0.00	42.90 0.88 0.00	40.94 0.80 0.00	37.81 0.71 0.00	38.65 0.57 0.00	38.82 0.54 0.00	38.40 0.53 0.00	39.58 0.51 0.00	39.37 0.54 0.00	42.32 0.50 -0.34	47.46 0.84 0.00	54.41 1.07 -0.01	47.10 0.83 -0.31	41.09 0.72 -0.24	36.67 0.64 -0.26	31.42 0.65 0.00	28.12 0.39 -0.06	27.17 0.35 -0.04
MILLIKEN___2 23585	22.54 0.27 -1.28	21.69 0.27 -0.83	24.20 0.28 -0.19	24.63 0.39 -0.04	26.14 0.51 0.00	28.87 0.59 0.00	34.13 0.77 0.00	42.90 0.88 0.00	40.94 0.80 0.00	37.81 0.71 0.00	38.65 0.57 0.00	38.82 0.54 0.00	38.40 0.53 0.00	39.58 0.51 0.00	39.37 0.54 0.00	42.32 0.50 -0.34	47.46 0.84 0.00	54.41 1.07 -0.01	47.10 0.83 -0.31	41.09 0.72 -0.24	36.67 0.64 -0.26	31.42 0.65 0.00	28.12 0.39 -0.06	27.17 0.35 -0.04
MILLIKEN___DIESEL 23629	22.54 0.27 -1.28	21.69 0.27 -0.83	24.20 0.28 -0.19	24.63 0.39 -0.04	26.14 0.51 0.00	28.87 0.59 0.00	34.13 0.77 0.00	42.90 0.88 0.00	40.94 0.80 0.00	37.81 0.71 0.00	38.65 0.57 0.00	38.82 0.54 0.00	38.40 0.53 0.00	39.58 0.51 0.00	39.37 0.54 0.00	42.32 0.50 -0.34	47.46 0.84 0.00	54.41 1.07 -0.01	47.10 0.83 -0.31	41.09 0.72 -0.24	36.67 0.64 -0.26	31.42 0.65 0.00	28.12 0.39 -0.06	27.17 0.35 -0.04
MILLSEAT___LFGE 323607	20.99 -0.88 -0.88	20.28 -0.88 -0.58	22.65 -1.21 -0.13	23.09 -1.14 -0.03	24.62 -1.00 0.00	27.23 -1.05 0.00	32.10 -1.27 0.00	39.92 -2.10 0.00	37.93 -2.21 0.00	34.96 -2.15 0.00	36.02 -2.06 0.00	35.34 -2.95 0.00	34.99 -2.88 0.00	36.22 -2.85 0.00	35.92 -2.91 0.00	38.24 -3.44 -0.21	43.35 -3.26 0.00	49.66 -3.68 -0.01	43.08 -3.08 -0.19	37.75 -2.53 -0.15	33.64 -2.29 -0.16	29.42 -1.35 0.00	26.19 -1.52 -0.04	25.41 -1.39 -0.03
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	28.57 1.36 -6.21	25.98 1.34 -4.05	26.10 1.47 -0.90	25.89 1.50 -0.19	27.16 1.54 0.00	29.91 1.64 0.00	35.57 2.20 0.00	44.92 2.90 0.00	42.99 2.85 0.00	39.67 2.56 0.00	40.74 2.67 0.00	41.01 2.72 0.00	40.56 2.69 0.00	41.88 2.81 0.00	41.62 2.80 0.00	46.36 3.19 -1.69	50.30 3.68 0.00	57.66 4.27 -0.06	51.07 3.59 -1.52	44.49 3.17 -1.20	39.72 2.68 -1.27	33.11 2.34 0.00	29.99 2.05 -0.27	28.82 1.85 -0.19
MILLWOOD_13_KV_LOAD 356217	28.61 1.41 -6.21	26.00 1.36 -4.05	26.13 1.50 -0.90	25.94 1.55 -0.19	27.19 1.56 0.00	29.97 1.70 0.00	35.63 2.27 0.00	45.04 3.03 0.00	43.11 2.97 0.00	39.78 2.67 0.00	40.86 2.78 0.00	41.12 2.83 0.00	40.67 2.80 0.00	42.00 2.93 0.00	41.74 2.91 0.00	46.49 3.32 -1.69	50.44 3.82 0.00	57.82 4.43 -0.06	51.21 3.72 -1.52	44.61 3.29 -1.20	39.79 2.75 -1.27	33.17 2.40 0.00	30.05 2.10 -0.27	28.87 1.90 -0.19
MODEL_CITY_ENERGY 24167	20.53 -1.39 -0.92	19.81 -1.38 -0.60	22.06 -1.80 -0.13	22.49 -1.74 -0.03	23.98 -1.64 0.00	26.49 -1.78 0.00	31.16 -2.20 0.00	38.49 -3.53 0.00	36.57 -3.57 0.00	33.70 -3.41 0.00	34.80 -3.27 0.00	34.12 -4.17 0.00	33.78 -4.09 0.00	34.93 -4.14 0.00	34.63 -4.19 0.00	36.87 -4.81 -0.21	41.82 -4.80 0.00	47.80 -5.55 -0.01	41.42 -4.73 -0.19	36.30 -3.97 -0.15	32.42 -3.50 -0.16	28.46 -2.31 0.00	25.39 -2.32 -0.04	24.72 -2.09 -0.03
MODERN_LFGE___ 323580	20.53 -1.39 -0.92	19.81 -1.38 -0.60	22.06 -1.80 -0.13	22.49 -1.74 -0.03	23.98 -1.64 0.00	26.49 -1.78 0.00	31.16 -2.20 0.00	38.49 -3.53 0.00	36.57 -3.57 0.00	33.70 -3.41 0.00	34.80 -3.27 0.00	34.12 -4.17 0.00	33.78 -4.09 0.00	34.93 -4.14 0.00	34.63 -4.19 0.00	36.87 -4.81 -0.21	41.82 -4.80 0.00	47.80 -5.55 -0.01	41.42 -4.73 -0.19	36.30 -3.97 -0.15	32.42 -3.50 -0.16	28.46 -2.31 0.00	25.39 -2.32 -0.04	24.72 -2.09 -0.03
MOHAWK_PAPER___DRP 24187	28.79 0.69 -7.11	25.90 0.68 -4.63	25.55 0.78 -1.03	25.22 0.80 -0.22	26.34 0.72 0.00	29.09 0.82 0.00	34.40 1.03 0.00	43.44 1.43 0.00	41.54 1.40 0.00	38.41 1.30 0.00	39.56 1.49 0.00	39.78 1.49 0.00	39.27 1.40 0.00	40.52 1.45 0.00	40.30 1.48 0.00	44.99 1.58 -1.94	48.39 1.77 0.00	55.53 2.13 -0.07	49.46 1.75 -1.74	43.02 1.52 -1.37	38.61 1.39 -1.45	31.94 1.17 0.00	29.04 1.05 -0.31	27.91 0.91 -0.22
MOHICAN___35_KV_115KV_LD 80490	29.72 1.49 -7.24	26.71 1.40 -4.72	26.35 1.57 -1.05	26.00 1.57 -0.22	27.31 1.69 0.00	30.25 1.98 0.00	35.87 2.50 0.00	45.29 3.28 0.00	43.47 3.33 0.00	40.19 3.08 0.00	41.58 3.50 0.00	41.62 3.33 0.00	40.97 3.11 0.00	42.28 3.20 0.00	41.97 3.15 0.00	46.77 3.32 -1.98	50.49 3.87 0.00	57.94 4.53 -0.07	51.46 3.72 -1.77	44.65 3.13 -1.40	40.14 2.90 -1.48	33.11 2.34 0.00	30.01 2.02 -0.31	28.79 1.79 -0.22
MONGAUP___HYD 23641	28.12 1.22 -5.91	25.61 1.17 -3.85	25.89 1.30 -0.86	25.72 1.33 -0.18	27.03 1.41 0.00	29.80 1.53 0.00	35.47 2.10 0.00	44.71 2.69 0.00	42.67 2.53 0.00	39.19 2.08 0.00	40.17 2.09 0.00	40.47 2.18 0.00	40.02 2.16 0.00	41.34 2.27 0.00	41.12 2.29 0.00	45.82 2.74 -1.61	49.93 3.31 0.00	57.39 4.00 -0.05	50.81 3.40 -1.45	44.19 2.93 -1.14	39.47 2.50 -1.20	32.96 2.19 0.00	29.90 1.97 -0.25	28.62 1.66 -0.18
MONTAUK___DIESEL 23721	31.96 2.52 -8.45	32.43 2.57 -9.27	29.39 2.85 -2.81	32.67 2.81 -5.66	32.08 3.13 -3.33	33.63 3.22 -2.13	38.32 4.54 -0.42	47.56 5.55 0.00	44.19 4.05 0.00	40.34 3.23 0.00	42.20 4.11 -0.01	42.63 4.17 -0.16	41.96 4.09 -0.01	43.38 4.30 -0.01	43.15 4.31 -0.01	49.34 5.64 -2.22	60.87 6.57 -7.68	68.01 7.63 -7.05	63.55 6.48 -11.10	54.77 6.06 -8.58	51.06 5.19 -10.10	41.37 4.28 -6.32	37.59 3.35 -6.56	33.77 3.03 -3.96
MOONROAD_115KV_HARTFLD_TB1-2 355988	20.32 -1.72 -1.05	19.77 -1.50 -0.68	22.13 -1.76 -0.15	22.98 -1.26 -0.03	25.11 -0.51 0.00	27.91 -0.37 0.00	33.03 -0.33 0.00	40.71 -1.30 0.00	38.93 -1.20 0.00	35.96 -1.15 0.00	36.78 -1.29 0.00	36.76 -1.53 0.00	36.43 -1.44 0.00	37.67 -1.41 0.00	37.24 -1.59 0.00	39.48 -2.24 -0.24	45.08 -1.54 0.00	51.53 -1.81 -0.01	43.89 -2.30 -0.22	38.25 -2.05 -0.17	33.98 -1.97 -0.18	30.03 -0.74 0.00	26.48 -1.25 -0.05	25.28 -1.53 -0.03

MORRIS_RIDGE___SOLAR 323848	21.14 -1.09 -1.24	20.39 -1.01 -0.81	22.75 -1.16 -0.18	23.30 -0.94 -0.04	25.21 -0.41 0.00	27.91 -0.37 0.00	33.03 -0.33 0.00	41.13 -0.88 0.00	39.09 -1.04 0.00	36.00 -1.11 0.00	37.01 -1.07 0.00	36.60 -1.68 0.00	36.20 -1.67 0.00	37.35 -1.72 0.00	37.04 -1.79 0.00	39.38 -2.41 -0.31	44.80 -1.82 0.00	51.16 -2.19 -0.01	43.99 -2.25 -0.28	38.25 -2.09 -0.22	34.07 -1.93 -0.23	29.76 -1.01 0.00	26.52 -1.22 -0.05	25.32 -1.50 -0.04
MORTIMER_115KV_TB3 55949	21.27 -0.48 -0.76	20.61 -0.47 -0.50	23.15 -0.69 -0.11	23.50 -0.73 -0.02	24.78 -0.85 0.00	27.37 -0.90 0.00	32.20 -1.17 0.00	40.13 -1.89 0.00	38.33 -1.81 0.00	35.51 -1.60 0.00	36.21 -1.87 0.00	36.22 -2.07 0.00	35.86 -2.01 0.00	37.08 -1.99 0.00	36.77 -2.06 0.00	39.49 -2.20 -0.21	44.33 -2.28 0.00	50.73 -2.61 -0.01	44.00 -2.16 -0.19	38.63 -1.65 -0.15	34.42 -1.50 -0.16	29.66 -1.11 0.00	26.96 -0.75 -0.03	25.89 -0.91 -0.02
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	28.77 1.55 -6.23	26.17 1.52 -4.06	26.27 1.64 -0.90	26.09 1.69 -0.19	27.34 1.72 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.00 2.89 0.00	41.09 3.01 0.00	41.31 3.02 0.00	40.90 3.03 0.00	42.20 3.13 0.00	41.93 3.11 0.00	46.74 3.57 -1.70	50.67 4.06 0.00	58.09 4.69 -0.06	51.40 3.91 -1.52	44.86 3.53 -1.20	39.97 2.93 -1.27	33.39 2.62 0.00	30.24 2.30 -0.27	29.06 2.09 -0.19
MUNSVILLE_WIND_PWR 323609	24.25 1.28 -1.97	23.15 1.28 -1.29	25.42 1.40 -0.29	25.89 1.62 -0.06	27.65 2.02 0.00	30.65 2.38 0.00	36.60 3.24 0.00	46.39 4.37 0.00	44.07 3.94 0.00	40.56 3.45 0.00	41.58 3.50 0.00	41.89 3.60 0.00	41.54 3.67 0.00	42.94 3.87 0.00	42.52 3.69 0.00	45.99 3.98 -0.53	51.38 4.76 0.00	59.00 5.65 -0.02	51.00 4.55 -0.48	44.31 3.81 -0.38	39.57 3.40 -0.40	33.73 2.95 0.00	30.03 2.27 -0.09	28.85 2.01 -0.06
N SALMON___HYD 24042	10.78 -2.08 8.13	17.72 -2.10 0.77	21.85 -1.90 -0.02	11.30 -2.98 9.93	24.06 -1.56 0.00	27.20 -1.07 0.00	33.06 -0.30 0.00	42.44 0.42 0.00	40.26 0.12 0.00	37.40 0.30 0.00	38.00 -0.08 0.00	38.86 0.58 0.00	38.40 0.53 0.00	39.42 0.35 0.00	39.10 0.27 0.00	41.51 0.00 -0.04	45.31 -1.31 0.00	51.58 -1.76 0.00	44.16 -1.84 -0.03	38.71 -1.44 -0.03	34.65 -1.15 -0.03	28.83 -1.94 0.00	25.53 -2.16 -0.01	24.83 -1.95 0.00
N.AKRON__115KV_KNAPP 355671	20.98 -0.90 -0.89	20.28 -0.89 -0.58	22.63 -1.23 -0.13	23.09 -1.14 -0.03	24.62 -1.00 0.00	27.23 -1.05 0.00	32.10 -1.27 0.00	39.62 -2.39 0.00	37.81 -2.33 0.00	34.92 -2.19 0.00	35.49 -2.59 0.00	35.34 -2.95 0.00	34.95 -2.92 0.00	36.18 -2.89 0.00	35.80 -3.03 0.00	38.29 -3.40 -0.21	43.36 -3.26 0.00	49.66 -3.68 -0.01	42.94 -3.22 -0.19	37.71 -2.57 -0.15	33.60 -2.32 -0.16	29.39 -1.38 0.00	26.53 -1.19 -0.04	25.39 -1.42 -0.03
N.BELMOR_69_KV_BK1 55787	31.14 1.95 -8.20	31.18 1.89 -8.69	28.42 2.09 -2.60	31.41 2.15 -5.05	30.79 2.20 -2.96	32.57 2.40 -1.90	36.87 3.14 -0.37	45.76 3.74 0.00	43.47 3.33 0.00	40.04 2.93 0.00	41.59 3.50 -0.01	41.97 3.48 -0.19	41.40 3.52 -0.01	42.68 3.59 -0.01	42.49 3.65 -0.01	47.94 4.15 -2.32	60.51 4.76 -9.14	67.26 5.55 -8.38	63.58 4.69 -12.92	54.18 4.21 -9.84	50.90 3.58 -11.56	41.46 3.17 -7.52	36.37 2.82 -5.86	32.90 2.57 -3.55
N.E_GEN_SANDY PD 24062	28.75 1.07 -6.69	26.00 1.05 -4.36	25.84 1.14 -0.97	25.57 1.16 -0.20	26.78 1.15 0.00	29.55 1.27 0.00	35.00 1.63 0.00	45.80 2.10 -1.68	40.50 2.05 1.68	39.00 1.89 0.00	40.02 1.94 0.00	40.35 2.07 0.00	39.91 2.04 0.00	41.18 2.11 0.00	40.92 2.10 0.00	45.58 2.28 -1.82	49.18 2.56 0.00	56.44 3.04 -0.06	50.22 2.62 -1.64	43.70 2.29 -1.29	39.13 2.00 -1.36	32.53 1.75 0.00	29.60 1.63 -0.29	28.73 1.45 -0.51
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	28.47 1.34 -6.13	25.90 1.32 -4.00	26.05 1.42 -0.89	25.87 1.48 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.57 2.20 0.00	44.92 2.90 0.00	42.95 2.81 0.00	39.59 2.49 0.00	40.67 2.59 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.81 2.74 0.00	41.55 2.72 0.00	46.26 3.11 -1.67	50.26 3.64 0.00	57.66 4.27 -0.06	51.01 3.54 -1.50	44.44 3.13 -1.18	39.63 2.61 -1.25	33.08 2.31 0.00	29.96 2.02 -0.26	28.76 1.79 -0.19
N.QUEENS_27_KV_LOAD 356247	29.00 1.78 -6.23	26.40 1.75 -4.06	26.53 1.90 -0.90	26.36 1.96 -0.19	27.62 2.00 0.00	29.97 1.70 0.00	35.47 2.10 0.00	44.83 2.82 0.00	43.07 2.93 0.00	39.85 2.75 0.00	40.82 2.74 0.00	41.08 2.80 0.00	40.63 2.76 0.00	41.96 2.89 0.00	41.70 2.87 0.00	46.41 3.24 -1.70	50.30 3.68 0.00	57.66 4.27 -0.06	51.03 3.54 -1.52	44.62 3.29 -1.20	39.75 2.72 -1.27	33.17 2.40 0.00	30.13 2.19 -0.27	29.23 2.25 -0.20
N.TROY___115KV_TB1 355778	29.10 0.97 -7.14	26.17 0.93 -4.65	25.79 1.02 -1.04	25.46 1.04 -0.22	26.65 1.02 0.00	29.46 1.19 0.00	34.83 1.47 0.00	43.99 1.97 0.00	42.02 1.89 0.00	38.85 1.74 0.00	40.06 1.98 0.00	40.24 1.95 0.00	39.76 1.89 0.00	40.99 1.91 0.00	40.77 1.94 0.00	45.46 2.03 -1.95	48.95 2.33 0.00	56.17 2.77 -0.07	50.06 2.34 -1.75	43.51 2.01 -1.38	39.05 1.82 -1.46	32.31 1.54 0.00	29.34 1.36 -0.31	28.23 1.23 -0.22
NARROWS_GT1_1 24228	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT1_2 24229	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT1_3 24230	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT1_4 24231	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20

NARROWS_GT1_5 24232	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT1_6 24233	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT1_7 24234	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT1_8 24235	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT2_1 24236	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT2_2 24237	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT2_3 24238	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT2_4 24239	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT2_5 24240	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT2_6 24241	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT2_7 24242	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NARROWS_GT2_8 24243	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.53 0.00	45.33 3.32 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.16 3.08 0.00	41.51 3.22 0.00	41.08 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.86 4.24 0.00	58.35 4.96 -0.06	51.67 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.57 2.80 0.00	30.55 2.60 -0.27	29.31 2.33 -0.20
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	28.46 0.63 -6.84	25.68 0.64 -4.46	25.48 0.76 -0.99	25.16 0.75 -0.21	26.34 0.72 0.00	29.12 0.85 0.00	34.47 1.10 0.00	43.49 1.47 0.00	41.50 1.36 0.00	38.22 1.11 0.00	39.33 1.26 0.00	39.48 1.19 0.00	38.89 1.02 0.00	40.20 1.13 0.00	40.03 1.20 0.00	44.75 1.41 -1.86	48.34 1.72 0.00	55.64 2.24 -0.06	49.53 1.88 -1.67	42.97 1.52 -1.32	38.59 1.43 -1.39	31.94 1.17 0.00	29.05 1.08 -0.29	27.84 0.86 -0.21
NCHELSEA_115KV_TR2 355582	28.57 1.32 -6.25	25.94 1.28 -4.08	26.06 1.42 -0.91	25.85 1.45 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.92 2.90 0.00	42.95 2.81 0.00	39.59 2.49 0.00	40.67 2.59 0.00	40.93 2.64 0.00	40.52 2.65 0.00	41.85 2.77 0.00	41.62 2.80 0.00	46.37 3.19 -1.70	50.30 3.68 0.00	57.66 4.27 -0.06	51.08 3.59 -1.53	44.46 3.13 -1.21	39.69 2.65 -1.27	33.08 2.31 0.00	30.00 2.05 -0.27	28.76 1.79 -0.19
NEG CAPITAL___MECHNVIL 23645	29.42 1.22 -7.21	26.46 1.17 -4.70	26.08 1.30 -1.05	25.73 1.31 -0.22	27.01 1.38 0.00	29.86 1.58 0.00	35.37 2.00 0.00	44.58 2.56 0.00	42.75 2.61 0.00	39.52 2.41 0.00	40.74 2.66 0.00	40.93 2.64 0.00	40.37 2.50 0.00	41.69 2.62 0.00	41.43 2.60 0.00	46.22 2.78 -1.97	49.79 3.17 0.00	57.13 3.73 -0.07	50.81 3.08 -1.76	44.12 2.61 -1.39	39.63 2.40 -1.47	32.74 1.97 0.00	29.73 1.74 -0.31	28.53 1.53 -0.22



NEG CENTRAL_HIGH_ACRES 23767	20.98 -0.75 -0.74	20.33 -0.74 -0.48	22.87 -0.97 -0.11	23.26 -0.97 -0.02	24.50 -1.13 0.00	27.06 -1.21 0.00	31.86 -1.50 0.00	39.96 -2.06 0.00	38.13 -2.01 0.00	35.33 -1.78 0.00	36.29 -1.79 0.00	36.11 -2.18 0.00	35.75 -2.12 0.00	36.92 -2.15 0.00	36.69 -2.14 0.00	39.28 -2.41 -0.21	44.10 -2.52 0.00	50.46 -2.88 -0.01	43.81 -2.34 -0.19	38.30 -1.97 -0.15	34.17 -1.75 -0.15	29.39 -1.38 0.00	26.27 -1.44 -0.03	25.62 -1.18 -0.02
NEG CENTRAL___DRP 24199	21.67 -0.15 -0.83	20.99 -0.14 -0.54	23.64 -0.21 -0.12	24.11 -0.12 -0.03	25.60 -0.03 0.00	28.30 0.03 0.00	33.47 0.10 0.00	41.85 -0.17 0.00	39.94 -0.20 0.00	37.03 -0.07 0.00	37.77 -0.30 0.00	37.91 -0.38 0.00	37.49 -0.38 0.00	38.56 -0.51 0.00	38.40 -0.43 0.00	41.04 -0.66 -0.22	46.20 -0.42 0.00	52.97 -0.37 -0.01	45.76 -0.41 -0.20	39.92 -0.36 -0.16	35.68 -0.25 -0.17	30.68 -0.09 0.00	27.47 -0.25 -0.04	26.51 -0.29 -0.03
NEG CENTRAL___INDECK 23768	21.86 -0.21 -1.08	21.13 -0.17 -0.70	23.63 -0.26 -0.16	24.09 -0.14 -0.03	25.73 0.10 0.00	28.50 0.23 0.00	33.77 0.40 0.00	42.35 0.33 0.00	40.10 -0.04 0.00	36.85 -0.26 0.00	37.66 -0.42 0.00	37.22 -1.07 0.00	36.73 -1.14 0.00	37.94 -1.13 0.00	37.66 -1.16 0.00	40.35 -1.41 -0.28	45.87 -0.75 0.00	52.81 -0.53 -0.01	45.85 -0.37 -0.25	40.04 -0.28 -0.20	35.65 -0.32 -0.21	30.80 0.03 0.00	27.36 -0.36 -0.05	26.36 -0.46 -0.03
NEG CENTRAL___SENECA 23627	21.69 -0.21 -0.91	21.00 -0.19 -0.59	23.60 -0.26 -0.13	24.09 -0.15 -0.03	25.68 0.05 0.00	28.42 0.14 0.00	33.63 0.27 0.00	41.93 -0.08 0.00	39.98 -0.16 0.00	37.11 0.00 0.00	37.85 -0.23 0.00	37.91 -0.38 0.00	37.49 -0.38 0.00	38.52 -0.55 0.00	38.36 -0.47 0.00	40.93 -0.79 -0.25	46.25 -0.37 0.00	52.97 -0.37 -0.01	45.78 -0.41 -0.22	39.90 -0.40 -0.17	35.70 -0.25 -0.18	30.74 -0.03 0.00	27.50 -0.22 -0.04	26.43 -0.37 -0.03
NEG CENTRAL___STATE_STREET 24147	21.78 -0.02 -0.81	21.10 -0.02 -0.53	23.80 -0.05 -0.12	24.23 0.00 -0.02	25.65 0.03 0.00	28.33 0.06 0.00	33.40 0.03 0.00	41.97 -0.04 0.00	40.10 -0.04 0.00	37.11 0.00 0.00	37.89 -0.19 0.00	38.06 -0.23 0.00	37.64 -0.23 0.00	38.84 -0.23 0.00	38.63 -0.19 0.00	41.37 -0.33 -0.22	46.48 -0.14 0.00	53.24 -0.11 -0.01	46.08 -0.09 -0.20	40.24 -0.04 -0.16	35.86 -0.07 -0.17	30.77 0.00 0.00	27.60 -0.11 -0.04	26.70 -0.11 -0.02
NEG MILLWOOD___DRP 24198	28.69 1.43 -6.27	26.06 1.38 -4.09	26.16 1.52 -0.91	25.97 1.57 -0.19	27.24 1.61 0.00	30.03 1.75 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.27 3.13 0.00	39.93 2.82 0.00	41.01 2.93 0.00	41.27 2.99 0.00	40.86 2.99 0.00	42.20 3.13 0.00	41.97 3.15 0.00	46.71 3.53 -1.71	50.63 4.01 0.00	58.03 4.64 -0.06	51.41 3.91 -1.53	44.74 3.41 -1.21	39.98 2.93 -1.28	33.26 2.49 0.00	30.11 2.16 -0.27	28.90 1.93 -0.19
NEG NORTH_FLCN_SEA 23793	10.19 -2.12 8.68	17.61 -2.14 0.84	21.83 -1.92 -0.02	10.64 -3.00 10.56	24.06 -1.56 0.00	27.20 -1.07 0.00	32.70 -0.67 0.00	41.97 -0.04 0.00	39.90 -0.24 0.00	37.11 0.00 0.00	37.66 -0.42 0.00	38.52 0.23 0.00	38.09 0.23 0.00	39.11 0.04 0.00	38.79 -0.04 0.00	41.14 -0.37 -0.03	44.43 -2.19 0.00	50.46 -2.88 0.00	44.44 -1.56 -0.03	38.22 -1.93 -0.02	34.29 -1.50 -0.03	28.77 -2.00 0.00	25.77 -1.91 -0.01	24.80 -1.98 0.00
NEG NORTH_KES_CHATEGAY 23792	10.13 -2.33 8.53	17.42 -2.35 0.82	21.59 -2.16 -0.02	10.62 -3.19 10.39	23.80 -1.82 0.00	26.89 -1.39 0.00	32.56 -0.80 0.00	41.81 -0.21 0.00	39.70 -0.44 0.00	36.89 -0.22 0.00	37.47 -0.61 0.00	38.33 0.04 0.00	37.87 0.00 0.00	38.92 -0.16 0.00	38.56 -0.27 0.00	40.97 -0.54 -0.03	44.57 -2.05 0.00	50.67 -2.67 0.00	44.30 -1.70 -0.03	38.06 -2.09 -0.02	34.15 -1.65 -0.03	28.43 -2.34 0.00	25.50 -2.19 -0.01	24.53 -2.25 0.00
NEG NORTH___ALICE_FALLS 23915	10.28 -2.06 8.65	17.65 -2.10 0.83	21.88 -1.87 -0.02	10.69 -2.98 10.54	24.11 -1.51 0.00	27.29 -0.99 0.00	32.97 -0.40 0.00	42.31 0.29 0.00	40.18 0.04 0.00	37.37 0.26 0.00	37.93 -0.15 0.00	38.79 0.50 0.00	38.36 0.49 0.00	39.38 0.31 0.00	39.02 0.19 0.00	41.39 -0.12 -0.03	44.94 -1.68 0.00	51.10 -2.24 0.00	44.80 -1.20 -0.03	38.50 -1.65 -0.02	34.54 -1.25 -0.03	28.86 -1.91 0.00	25.83 -1.85 -0.01	24.85 -1.93 0.00
NEG NORTH___LWR_SARANAC 23913	10.28 -2.06 8.65	17.65 -2.10 0.83	21.88 -1.87 -0.02	10.69 -2.98 10.54	24.11 -1.51 0.00	27.29 -0.99 0.00	32.97 -0.40 0.00	42.31 0.29 0.00	40.18 0.04 0.00	37.37 0.26 0.00	37.93 -0.15 0.00	38.79 0.50 0.00	38.36 0.49 0.00	39.38 0.31 0.00	39.02 0.19 0.00	41.39 -0.12 -0.03	44.94 -1.68 0.00	51.10 -2.24 0.00	44.80 -1.20 -0.03	38.50 -1.65 -0.02	34.54 -1.25 -0.03	28.86 -1.91 0.00	25.83 -1.85 -0.01	24.85 -1.93 0.00
NEG NORTH___PLATTSBURG 23628	10.28 -2.06 8.65	17.65 -2.10 0.83	21.88 -1.88 -0.02	10.69 -2.98 10.54	24.11 -1.51 0.00	27.28 -0.99 0.00	32.97 -0.40 0.00	42.31 0.30 0.00	40.18 0.04 0.00	37.37 0.26 0.00	37.93 -0.15 0.00	38.78 0.50 0.00	38.36 0.49 0.00	39.38 0.31 0.00	39.02 0.20 0.00	41.39 -0.12 -0.03	44.94 -1.68 0.00	51.04 -2.29 0.00	43.66 -2.34 -0.03	38.50 -1.65 -0.02	34.47 -1.32 -0.03	28.86 -1.91 0.00	25.53 -2.16 -0.01	24.85 -1.93 0.00
NEG WEST_LEA_LOCKPORT 23791	20.69 -1.22 -0.92	19.99 -1.19 -0.60	22.27 -1.59 -0.13	22.73 -1.50 -0.03	24.27 -1.36 0.00	26.83 -1.44 0.00	31.56 -1.80 0.00	38.78 -3.24 0.00	36.97 -3.17 0.00	34.14 -2.97 0.00	34.69 -3.39 0.00	34.50 -3.79 0.00	34.16 -3.71 0.00	35.32 -3.75 0.00	34.95 -3.88 0.00	37.41 -4.27 -0.21	42.33 -4.29 0.00	48.38 -4.96 -0.01	41.93 -4.23 -0.19	36.82 -3.45 -0.15	32.81 -3.11 -0.16	28.80 -1.97 0.00	26.03 -1.69 -0.04	24.99 -1.82 -0.03
NEG WEST___LANCASTER 23811	20.24 -1.81 -1.05	19.48 -1.79 -0.69	21.68 -2.21 -0.15	22.49 -1.74 -0.03	25.34 -0.28 0.00	28.11 -0.17 0.00	33.27 -0.10 0.00	40.92 -1.09 0.00	38.93 -1.20 0.00	35.77 -1.34 0.00	36.48 -1.60 0.00	36.37 -1.91 0.00	35.97 -1.89 0.00	37.16 -1.91 0.00	36.77 -2.06 0.00	38.44 -3.28 -0.25	44.75 -1.86 0.00	51.21 -2.13 -0.01	42.92 -3.26 -0.22	37.17 -3.13 -0.17	33.09 -2.86 -0.18	30.00 -0.77 0.00	25.57 -2.16 -0.05	24.72 -2.09 -0.03
NEG_PENN_ALLEGHNY 23528	23.20 0.15 -2.06	22.07 0.15 -1.34	24.17 0.14 -0.30	24.48 0.22 -0.06	26.06 0.44 0.00	28.78 0.51 0.00	34.07 0.70 0.00	42.81 0.80 0.00	40.82 0.68 0.00	37.67 0.56 0.00	38.61 0.53 0.00	38.71 0.42 0.00	38.28 0.42 0.00	39.50 0.43 0.00	39.26 0.43 0.00	42.32 0.29 -0.55	47.32 0.70 0.00	54.16 0.80 -0.02	47.02 0.55 -0.50	40.92 0.40 -0.39	36.54 0.36 -0.41	31.26 0.49 0.00	28.10 0.33 -0.09	26.98 0.13 -0.06
NEG___GEN_MONROE 24207	21.30 -0.46 -0.77	20.66 -0.43 -0.50	23.18 -0.66 -0.11	23.55 -0.68 -0.02	24.86 -0.77 0.00	27.48 -0.79 0.00	32.33 -1.03 0.00	40.17 -1.85 0.00	38.41 -1.73 0.00	35.55 -1.56 0.00	36.17 -1.90 0.00	36.18 -2.11 0.00	35.82 -2.04 0.00	37.00 -2.07 0.00	36.65 -2.17 0.00	39.32 -2.36 -0.21	44.19 -2.42 0.00	50.62 -2.72 -0.01	43.90 -2.25 -0.19	38.51 -1.77 -0.15	34.35 -1.57 -0.16	29.66 -1.11 0.00	27.02 -0.69 -0.03	25.92 -0.88 -0.02

NEPA__ENERGY 23901	20.72 -1.28 -1.01	20.01 -1.24 -0.66	22.34 -1.54 -0.15	22.95 -1.28 -0.03	24.86 -0.77 0.00	27.54 -0.74 0.00	32.50 -0.87 0.00	40.04 -1.97 0.00	38.21 -1.93 0.00	35.25 -1.86 0.00	35.95 -2.13 0.00	35.88 -2.41 0.00	35.52 -2.35 0.00	36.73 -2.34 0.00	36.34 -2.48 0.00	38.64 -3.07 -0.23	44.01 -2.61 0.00	50.36 -2.99 -0.01	43.10 -3.08 -0.21	37.64 -2.65 -0.16	33.51 -2.43 -0.17	29.60 -1.17 0.00	26.31 -1.41 -0.04	25.23 -1.58 -0.03
NEVERSink__HYD 23608	27.83 1.03 -5.81	25.38 1.01 -3.79	25.69 1.12 -0.84	25.54 1.16 -0.18	26.85 1.23 0.00	29.60 1.33 0.00	35.20 1.83 0.00	44.41 2.39 0.00	42.42 2.29 0.00	39.04 1.93 0.00	40.02 1.94 0.00	40.35 2.07 0.00	39.95 2.08 0.00	41.26 2.19 0.00	41.04 2.21 0.00	45.72 2.66 -1.58	49.69 3.08 0.00	57.02 3.63 -0.05	50.47 3.08 -1.42	43.85 2.61 -1.12	39.17 2.22 -1.18	32.71 1.94 0.00	29.70 1.77 -0.25	28.43 1.47 -0.18
NEWKRMKL_115KV_TB1 55635	28.53 0.44 -7.10	25.69 0.47 -4.63	25.31 0.55 -1.03	24.98 0.56 -0.22	26.06 0.44 0.00	28.76 0.48 0.00	34.00 0.63 0.00	42.94 0.92 0.00	41.06 0.92 0.00	37.96 0.85 0.00	39.14 1.07 0.00	39.32 1.03 0.00	38.85 0.98 0.00	40.09 1.02 0.00	39.88 1.05 0.00	44.53 1.12 -1.94	47.88 1.26 0.00	54.89 1.49 -0.07	48.95 1.24 -1.74	42.54 1.04 -1.37	38.18 0.97 -1.45	31.57 0.80 0.00	28.73 0.75 -0.31	27.59 0.59 -0.22
NEWTON__FALLS_HYD 23847	15.25 -1.13 4.60	19.10 -1.13 0.36	22.70 -1.07 -0.03	16.89 -1.52 5.79	24.96 -0.67 0.00	27.85 -0.42 0.00	33.57 0.20 0.00	42.81 0.80 0.00	40.62 0.48 0.00	37.59 0.48 0.00	38.38 0.30 0.00	38.94 0.65 0.00	38.47 0.61 0.00	39.62 0.55 0.00	39.29 0.47 0.00	41.99 0.46 -0.06	46.53 -0.09 0.00	53.34 0.00 0.00	46.02 0.00 -0.05	39.81 -0.36 -0.04	35.60 -0.21 -0.05	29.97 -0.80 0.00	26.78 -0.91 -0.01	25.79 -0.99 -0.01
NGRID_A1_DSASP 323792	20.58 -1.34 -0.93	19.88 -1.32 -0.61	22.09 -1.78 -0.13	22.49 -1.74 -0.03	23.91 -1.72 0.00	26.38 -1.89 0.00	30.96 -2.40 0.00	38.19 -3.82 0.00	36.28 -3.85 0.00	33.47 -3.64 0.00	34.54 -3.54 0.00	33.92 -4.37 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.44 -4.39 0.00	36.70 -4.98 -0.20	41.54 -5.08 0.00	47.48 -5.87 -0.01	41.19 -4.97 -0.18	36.14 -4.13 -0.15	32.27 -3.65 -0.15	28.34 -2.43 0.00	25.28 -2.44 -0.04	24.72 -2.09 -0.03
NGRID_A2_DSASP 323793	20.58 -1.34 -0.93	19.88 -1.32 -0.61	22.09 -1.78 -0.13	22.49 -1.74 -0.03	23.91 -1.72 0.00	26.38 -1.89 0.00	30.96 -2.40 0.00	38.19 -3.82 0.00	36.28 -3.85 0.00	33.47 -3.64 0.00	34.54 -3.54 0.00	33.92 -4.37 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.44 -4.39 0.00	36.70 -4.98 -0.20	41.54 -5.08 0.00	47.48 -5.87 -0.01	41.19 -4.97 -0.18	36.14 -4.13 -0.15	32.27 -3.65 -0.15	28.34 -2.43 0.00	25.28 -2.44 -0.04	24.72 -2.09 -0.03
NGRID_A4_DSASP 323807	20.58 -1.34 -0.93	19.88 -1.32 -0.61	22.09 -1.78 -0.13	22.49 -1.74 -0.03	23.91 -1.72 0.00	26.38 -1.89 0.00	30.96 -2.40 0.00	38.19 -3.82 0.00	36.28 -3.85 0.00	33.47 -3.64 0.00	34.54 -3.54 0.00	33.92 -4.37 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.44 -4.39 0.00	36.70 -4.98 -0.20	41.54 -5.08 0.00	47.48 -5.87 -0.01	41.19 -4.97 -0.18	36.14 -4.13 -0.15	32.27 -3.65 -0.15	28.34 -2.43 0.00	25.28 -2.44 -0.04	24.72 -2.09 -0.03
NIAGARA_115E_LBMP 323715	20.43 -1.49 -0.93	19.71 -1.48 -0.61	21.95 -1.92 -0.14	22.34 -1.89 -0.03	23.83 -1.79 0.00	26.32 -1.95 0.00	30.93 -2.43 0.00	38.19 -3.82 0.00	36.28 -3.85 0.00	33.43 -3.67 0.00	34.50 -3.58 0.00	33.85 -4.44 0.00	33.51 -4.35 0.00	34.66 -4.42 0.00	34.36 -4.46 0.00	36.62 -5.06 -0.21	41.49 -5.13 0.00	47.42 -5.92 -0.01	41.10 -5.06 -0.19	36.02 -4.25 -0.15	32.17 -3.75 -0.16	28.28 -2.49 0.00	25.20 -2.52 -0.04	24.59 -2.22 -0.03
NIAGARA_115W_LBMP 323714	20.53 -1.39 -0.93	19.84 -1.36 -0.61	22.04 -1.83 -0.13	22.44 -1.79 -0.03	23.86 -1.77 0.00	26.32 -1.95 0.00	30.90 -2.47 0.00	38.11 -3.91 0.00	36.25 -3.89 0.00	33.40 -3.71 0.00	34.46 -3.62 0.00	33.85 -4.44 0.00	33.51 -4.35 0.00	34.66 -4.42 0.00	34.36 -4.46 0.00	36.62 -5.06 -0.20	41.44 -5.18 0.00	47.37 -5.97 -0.01	41.09 -5.06 -0.18	36.06 -4.21 -0.15	32.20 -3.72 -0.15	28.28 -2.49 0.00	25.23 -2.49 -0.04	24.66 -2.14 -0.03
NIAGARA_230_LBMP 323716	20.67 -1.24 -0.92	19.97 -1.21 -0.60	22.20 -1.66 -0.13	22.61 -1.62 -0.03	24.09 -1.54 0.00	26.58 -1.70 0.00	31.23 -2.14 0.00	38.53 -3.49 0.00	36.65 -3.49 0.00	33.73 -3.38 0.00	34.80 -3.27 0.00	34.23 -4.06 0.00	33.89 -3.98 0.00	35.01 -4.06 0.00	34.75 -4.08 0.00	37.03 -4.64 -0.20	41.91 -4.71 0.00	47.90 -5.44 -0.01	41.50 -4.64 -0.18	36.41 -3.85 -0.14	32.52 -3.40 -0.15	28.53 -2.25 0.00	25.48 -2.24 -0.04	24.85 -1.95 -0.03
NIAGARA__115KV_198_GIBSON 55903	20.54 -1.39 -0.93	19.84 -1.36 -0.61	22.04 -1.83 -0.13	22.44 -1.79 -0.03	23.86 -1.77 0.00	26.32 -1.95 0.00	30.90 -2.47 0.00	37.86 -4.16 0.00	36.12 -4.01 0.00	33.36 -3.75 0.00	33.89 -4.19 0.00	33.85 -4.44 0.00	33.51 -4.35 0.00	34.66 -4.42 0.00	34.29 -4.54 0.00	36.74 -4.94 -0.20	41.49 -5.13 0.00	47.42 -5.92 -0.01	41.00 -5.15 -0.18	36.10 -4.17 -0.15	32.20 -3.72 -0.15	28.25 -2.52 0.00	25.70 -2.02 -0.04	24.67 -2.14 -0.03
NIAGARA____ 23760	20.68 -1.24 -0.93	19.98 -1.21 -0.61	22.21 -1.66 -0.13	22.61 -1.62 -0.03	24.09 -1.54 0.00	26.58 -1.70 0.00	31.23 -2.14 0.00	38.53 -3.49 0.00	36.65 -3.49 0.00	33.73 -3.38 0.00	34.80 -3.27 0.00	34.23 -4.06 0.00	33.89 -3.98 0.00	35.01 -4.06 0.00	34.75 -4.08 0.00	37.03 -4.64 -0.20	41.91 -4.71 0.00	47.90 -5.44 -0.01	41.51 -4.64 -0.18	36.42 -3.85 -0.14	32.52 -3.40 -0.15	28.53 -2.25 0.00	25.48 -2.24 -0.04	24.85 -1.95 -0.03
NINE_MILE_1 23575	20.87 -0.52 -0.40	20.33 -0.51 -0.26	23.17 -0.62 -0.06	23.61 -0.60 -0.01	24.93 -0.69 0.00	27.48 -0.79 0.00	32.27 -1.10 0.00	40.54 -1.47 0.00	38.73 -1.41 0.00	35.81 -1.30 0.00	36.74 -1.33 0.00	36.87 -1.42 0.00	36.47 -1.40 0.00	37.63 -1.44 0.00	37.43 -1.40 0.00	40.05 -1.53 -0.11	44.94 -1.68 0.00	51.37 -1.97 0.00	44.41 -1.65 -0.10	38.80 -1.41 -0.08	34.60 -1.25 -0.08	29.73 -1.05 0.00	26.78 -0.91 -0.02	26.01 -0.78 -0.01
NINE_MILE_2 23744	20.87 -0.52 -0.40	20.33 -0.51 -0.26	23.17 -0.62 -0.06	23.61 -0.60 -0.01	24.93 -0.69 0.00	27.48 -0.79 0.00	32.27 -1.10 0.00	40.54 -1.47 0.00	38.73 -1.41 0.00	35.81 -1.30 0.00	36.74 -1.33 0.00	36.87 -1.42 0.00	36.47 -1.40 0.00	37.63 -1.44 0.00	37.43 -1.40 0.00	40.05 -1.53 -0.11	44.94 -1.68 0.00	51.42 -1.92 0.00	44.41 -1.65 -0.10	38.80 -1.41 -0.08	34.59 -1.25 -0.08	29.73 -1.05 0.00	26.78 -0.91 -0.02	26.01 -0.78 -0.01
NM_CAPITAL__DRP 24208	28.60 0.52 -7.08	25.74 0.54 -4.62	25.38 0.62 -1.03	25.05 0.63 -0.22	26.16 0.54 0.00	28.87 0.59 0.00	34.13 0.77 0.00	43.07 1.05 0.00	41.18 1.04 0.00	38.07 0.96 0.00	39.26 1.18 0.00	39.44 1.15 0.00	38.96 1.10 0.00	40.20 1.13 0.00	39.99 1.16 0.00	44.65 1.24 -1.93	47.97 1.35 0.00	55.05 1.65 -0.07	49.04 1.33 -1.73	42.65 1.16 -1.37	38.29 1.07 -1.45	31.66 0.89 0.00	28.84 0.86 -0.31	27.69 0.70 -0.22

NM_CENTRAL___DRP 24181	21.24 -0.15 -0.40	20.80 -0.14 -0.36	23.60 -0.21 -0.08	23.84 -0.17 0.20	25.42 -0.20 0.00	28.05 -0.23 0.00	33.00 -0.37 0.00	41.47 -0.55 0.00	39.62 -0.52 0.00	36.66 -0.45 0.00	37.54 -0.53 0.00	37.71 -0.57 0.00	37.34 -0.53 0.00	38.52 -0.55 0.00	38.28 -0.54 0.00	40.97 -0.66 -0.16	45.97 -0.65 0.00	52.54 -0.80 -0.01	45.42 -0.69 -0.14	39.71 -0.52 -0.11	35.42 -0.46 -0.12	30.40 -0.37 0.00	27.34 -0.36 -0.02	26.53 -0.27 -0.02
NM_FRONTIER___DRP 24179	20.54 -1.39 -0.93	19.84 -1.36 -0.61	22.04 -1.83 -0.13	22.44 -1.79 -0.03	23.86 -1.77 0.00	26.32 -1.95 0.00	30.90 -2.47 0.00	37.86 -4.16 0.00	36.12 -4.01 0.00	33.36 -3.75 0.00	33.89 -4.19 0.00	33.85 -4.44 0.00	33.51 -4.35 0.00	34.66 -4.42 0.00	34.29 -4.54 0.00	36.74 -4.94 -0.20	41.49 -5.13 0.00	47.42 -5.92 -0.01	41.00 -5.15 -0.18	36.10 -4.17 -0.15	32.20 -3.72 -0.15	28.25 -2.52 0.00	25.70 -2.02 -0.04	24.67 -2.14 -0.03
NM_ST_REGIS___HYD 24053	11.92 -1.87 7.20	18.05 -1.87 0.66	22.02 -1.73 -0.02	12.71 -2.66 8.83	24.19 -1.43 0.00	27.23 -1.05 0.00	33.10 -0.27 0.00	42.44 0.42 0.00	40.22 0.08 0.00	37.33 0.22 0.00	38.00 -0.08 0.00	38.79 0.50 0.00	38.32 0.45 0.00	39.38 0.31 0.00	39.06 0.23 0.00	41.56 0.04 -0.04	45.55 -1.07 0.00	52.00 -1.33 0.00	45.27 -0.74 -0.04	38.95 -1.20 -0.03	34.91 -0.89 -0.03	29.08 -1.69 0.00	26.00 -1.69 -0.01	25.02 -1.77 0.00
NORTHPORT___1 23551	31.31 1.87 -8.45	31.70 1.81 -9.29	28.59 2.04 -2.82	31.89 2.01 -5.68	31.12 2.15 -3.35	32.71 2.29 -2.14	36.79 3.00 -0.42	44.90 3.32 0.43	42.46 2.33 0.00	39.49 2.38 0.00	40.55 2.86 0.39	41.31 2.95 -0.07	40.91 3.03 -0.01	42.16 3.09 0.00	41.68 3.07 0.22	47.42 3.73 -2.21	53.63 4.24 -2.76	58.68 4.96 -0.38	53.59 4.18 -3.44	49.68 3.85 -5.70	48.37 3.29 -9.31	39.62 2.86 -5.98	36.95 2.68 -6.59	33.14 2.38 -3.98
NORTHPORT___2 23552	31.31 1.87 -8.45	31.70 1.81 -9.29	28.59 2.04 -2.82	31.89 2.01 -5.68	31.12 2.15 -3.35	32.71 2.29 -2.14	36.79 3.00 -0.42	45.20 3.32 0.13	42.46 2.33 0.00	39.49 2.38 0.00	40.82 2.86 0.11	41.37 2.95 -0.13	40.91 3.03 -0.01	42.16 3.09 0.00	41.83 3.07 0.06	47.42 3.73 -2.21	57.03 4.24 -6.17	63.32 4.96 -5.03	58.92 4.18 -8.77	51.67 3.85 -7.69	48.88 3.29 -9.83	39.82 2.86 -6.18	36.95 2.68 -6.59	33.14 2.38 -3.98
NORTHPORT___3 23553	31.37 1.93 -8.45	31.74 1.87 -9.27	28.61 2.06 -2.81	32.00 2.13 -5.66	31.16 2.20 -3.33	32.78 2.38 -2.13	36.69 2.90 -0.42	45.13 3.11 0.00	42.51 2.37 0.00	39.49 2.38 0.00	40.86 2.78 -0.01	41.36 2.91 -0.16	40.91 3.03 -0.01	42.17 3.09 -0.01	41.87 3.03 -0.01	47.26 3.57 -2.22	58.28 4.01 -7.65	65.06 4.69 -7.03	61.03 4.00 -11.07	52.30 3.61 -8.56	48.92 3.08 -10.08	39.81 2.74 -6.30	37.07 2.82 -6.56	33.26 2.52 -3.97
NORTHPORT___4 23650	31.37 1.93 -8.45	31.74 1.87 -9.27	28.61 2.06 -2.81	32.00 2.13 -5.66	31.16 2.20 -3.33	32.78 2.38 -2.13	36.69 2.90 -0.42	45.13 3.11 0.00	42.51 2.37 0.00	39.49 2.38 0.00	40.86 2.78 -0.01	41.36 2.91 -0.16	40.91 3.03 -0.01	42.17 3.09 -0.01	41.87 3.03 -0.01	47.26 3.57 -2.22	58.28 4.01 -7.65	65.06 4.69 -7.03	61.03 4.00 -11.07	52.30 3.61 -8.56	48.92 3.08 -10.08	39.81 2.74 -6.30	37.07 2.82 -6.56	33.26 2.52 -3.97
NORTHPORT___IC 23718	31.31 1.87 -8.45	31.69 1.81 -9.29	28.59 2.04 -2.82	31.90 2.01 -5.68	31.12 2.15 -3.35	32.71 2.29 -2.14	36.79 3.00 -0.42	44.95 3.36 0.43	42.87 2.73 0.00	39.45 2.34 0.00	40.63 2.93 0.38	41.31 2.95 -0.08	40.90 3.03 -0.01	42.17 3.09 -0.01	41.72 3.11 0.21	47.42 3.73 -2.22	53.63 4.24 -2.77	58.68 4.96 -0.39	53.59 4.18 -3.44	49.65 3.81 -5.71	48.38 3.29 -9.32	39.66 2.89 -5.99	36.87 2.60 -6.59	33.17 2.41 -3.98
NORTH___COUNTRY_ESR 323785	10.07 -2.39 8.53	17.36 -2.41 0.82	21.52 -2.23 -0.02	10.57 -3.24 10.39	23.73 -1.90 0.00	26.83 -1.44 0.00	32.47 -0.90 0.00	41.64 -0.38 0.00	39.58 -0.56 0.00	36.81 -0.30 0.00	37.35 -0.72 0.00	38.21 -0.08 0.00	37.79 -0.08 0.00	38.80 -0.27 0.00	38.48 -0.35 0.00	40.85 -0.67 -0.03	44.43 -2.19 0.00	50.46 -2.88 0.00	43.15 -2.85 -0.03	37.94 -2.21 -0.02	33.97 -1.82 -0.03	28.34 -2.43 0.00	25.11 -2.57 -0.01	24.48 -2.30 0.00
NPX_GEN_1385_PROXY 323591	31.25 1.81 -8.45	31.55 1.67 -9.29	28.61 2.06 -2.82	31.61 1.72 -5.68	30.99 2.02 -3.35	32.62 2.21 -2.14	37.39 3.60 -0.42	47.00 3.74 -1.25	41.35 2.89 1.68	40.08 2.97 0.00	40.74 3.05 0.39	41.65 3.29 -0.07	41.62 3.75 -0.01	42.59 3.52 0.00	41.95 3.34 0.22	47.92 4.23 -2.21	54.00 4.62 -2.76	59.10 5.38 -0.38	54.00 4.60 -3.44	50.00 4.17 -5.70	48.69 3.61 -9.31	39.74 2.98 -5.98	37.01 2.74 -6.59	33.01 2.25 -3.98
NPX_GEN_CSC 323557	31.41 1.97 -8.45	31.92 2.06 -9.27	28.82 2.28 -2.81	31.92 2.06 -5.66	31.44 2.48 -3.33	32.84 2.43 -2.13	37.45 3.67 -0.42	48.02 4.33 -1.68	40.31 1.85 1.68	39.00 1.89 0.00	40.56 2.47 -0.01	41.06 2.60 -0.16	40.49 2.61 -0.01	41.85 2.77 -0.01	41.59 2.76 -0.01	47.88 4.19 -2.22	59.19 4.89 -7.68	66.10 5.71 -7.05	61.94 4.87 -11.10	53.56 4.85 -8.58	49.98 4.11 -10.10	40.35 3.26 -6.32	36.81 2.57 -6.56	32.94 2.20 -3.96
NSINS_S___GLNS_FALLS 23858	29.73 1.49 -7.25	26.71 1.40 -4.72	26.35 1.57 -1.05	26.02 1.60 -0.22	27.31 1.69 0.00	30.25 1.98 0.00	35.90 2.54 0.00	45.29 3.28 0.00	43.47 3.33 0.00	40.23 3.12 0.00	41.58 3.50 0.00	41.62 3.33 0.00	40.97 3.11 0.00	42.28 3.20 0.00	42.01 3.18 0.00	46.77 3.32 -1.98	50.49 3.87 0.00	57.94 4.53 -0.07	51.47 3.72 -1.77	44.65 3.13 -1.40	40.14 2.90 -1.48	33.11 2.34 0.00	30.04 2.05 -0.31	28.79 1.79 -0.22
NUCOR_STEEL___DRP 24197	21.82 0.04 -0.78	21.14 0.04 -0.51	23.85 0.00 -0.11	24.30 0.07 -0.02	25.70 0.08 0.00	28.39 0.11 0.00	33.43 0.07 0.00	41.97 -0.04 0.00	40.10 -0.04 0.00	37.11 0.00 0.00	37.93 -0.15 0.00	38.10 -0.19 0.00	37.72 -0.15 0.00	38.88 -0.20 0.00	38.67 -0.16 0.00	41.44 -0.25 -0.21	46.53 -0.09 0.00	53.24 -0.11 -0.01	46.07 -0.09 -0.19	40.23 -0.04 -0.15	35.89 -0.04 -0.16	30.80 0.03 0.00	27.66 -0.06 -0.03	26.75 -0.05 -0.02
NUMBER_THREE_WT_PWR 323818	18.71 -0.48 1.80	20.07 -0.47 0.05	23.34 -0.43 -0.04	21.28 -0.46 2.47	25.80 0.18 0.00	28.62 0.34 0.00	34.16 0.80 0.00	43.40 1.38 0.00	41.26 1.12 0.00	38.07 0.96 0.00	38.95 0.88 0.00	39.32 1.03 0.00	38.89 1.02 0.00	40.09 1.01 0.00	39.76 0.93 0.00	42.67 1.12 -0.07	47.64 1.02 0.00	54.72 1.38 0.00	46.67 0.64 -0.06	40.69 0.52 -0.05	36.25 0.43 -0.05	30.83 0.06 0.00	27.50 -0.19 -0.01	26.55 -0.24 -0.01
NYISO_LBMP_REFERENCE 24008	20.99 0.00 0.00	20.59 0.00 0.00	23.73 0.00 0.00	24.20 0.00 0.00	25.62 0.00 0.00	28.27 0.00 0.00	33.37 0.00 0.00	42.02 0.00 0.00	40.14 0.00 0.00	37.11 0.00 0.00	38.08 0.00 0.00	38.29 0.00 0.00	37.87 0.00 0.00	39.07 0.00 0.00	38.83 0.00 0.00	41.48 0.00 0.00	46.62 0.00 0.00	53.34 0.00 0.00	45.97 0.00 0.00	40.12 0.00 0.00	35.77 0.00 0.00	30.77 0.00 0.00	27.68 0.00 0.00	26.78 0.00 0.00



OAK ORCHARD___HYD 24046	21.27 -0.48 -0.76	20.61 -0.47 -0.50	23.15 -0.69 -0.11	23.52 -0.70 -0.02	24.78 -0.84 0.00	27.37 -0.91 0.00	32.20 -1.17 0.00	40.25 -1.76 0.00	38.41 -1.72 0.00	35.51 -1.59 0.00	36.51 -1.56 0.00	36.22 -2.07 0.00	35.86 -2.01 0.00	37.08 -1.99 0.00	36.81 -2.02 0.00	39.45 -2.24 -0.21	44.34 -2.28 0.00	50.73 -2.61 -0.01	44.09 -2.07 -0.19	38.59 -1.68 -0.15	34.42 -1.50 -0.16	29.67 -1.11 0.00	26.52 -1.19 -0.03	25.92 -0.88 -0.02
OAKDALE___35_KV_LOAD 356122	23.12 0.08 -2.05	22.01 0.08 -1.33	24.10 0.07 -0.30	24.44 0.17 -0.06	25.96 0.33 0.00	28.67 0.40 0.00	33.90 0.53 0.00	42.56 0.55 0.00	40.62 0.48 0.00	37.48 0.37 0.00	38.38 0.30 0.00	38.52 0.23 0.00	38.13 0.27 0.00	39.35 0.27 0.00	39.06 0.23 0.00	42.15 0.12 -0.55	47.13 0.51 0.00	53.89 0.53 -0.02	46.78 0.32 -0.49	40.75 0.24 -0.39	36.39 0.21 -0.41	31.17 0.40 0.00	27.91 0.14 -0.09	26.92 0.08 -0.06
OCC_CHEM___DRP 24175	20.58 -1.34 -0.93	19.88 -1.32 -0.61	22.09 -1.78 -0.13	22.49 -1.74 -0.03	23.91 -1.72 0.00	26.38 -1.89 0.00	30.96 -2.40 0.00	37.94 -4.08 0.00	36.20 -3.93 0.00	33.43 -3.67 0.00	33.97 -4.11 0.00	33.92 -4.36 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.36 -4.47 0.00	36.83 -4.85 -0.20	41.58 -5.03 0.00	47.53 -5.81 -0.01	41.09 -5.06 -0.18	36.18 -4.09 -0.15	32.27 -3.65 -0.15	28.31 -2.46 0.00	25.75 -1.97 -0.04	24.72 -2.09 -0.03
OH_GEN_PROXY 24063	20.70 -1.22 -0.93	19.98 -1.21 -0.60	22.23 -1.64 -0.13	22.26 -1.60 0.35	23.60 -1.51 0.51	26.63 -1.64 0.00	31.30 -2.07 0.00	40.33 -3.36 -1.68	35.09 -3.37 1.68	33.84 -3.27 0.00	34.92 -3.16 0.00	34.35 -3.94 0.00	34.00 -3.86 0.00	35.13 -3.94 0.00	34.83 -4.00 0.00	37.16 -4.52 -0.20	42.10 -4.52 0.00	48.12 -5.22 -0.01	41.69 -4.46 -0.18	36.54 -3.73 -0.15	32.63 -3.29 -0.15	28.62 -2.15 0.00	25.53 -2.19 -0.04	24.88 -1.93 -0.03
OLIN_CORP_DRP 24177	20.48 -1.45 -0.94	19.78 -1.42 -0.61	21.99 -1.87 -0.14	22.42 -1.82 -0.03	23.88 -1.74 0.00	26.38 -1.89 0.00	31.00 -2.37 0.00	38.02 -3.99 0.00	36.28 -3.85 0.00	33.51 -3.60 0.00	34.04 -4.04 0.00	33.96 -4.33 0.00	33.63 -4.24 0.00	34.77 -4.30 0.00	34.36 -4.47 0.00	36.83 -4.85 -0.21	41.63 -4.99 0.00	47.58 -5.76 -0.01	41.15 -5.01 -0.19	36.14 -4.13 -0.15	32.24 -3.68 -0.16	28.31 -2.46 0.00	25.67 -2.05 -0.04	24.64 -2.17 -0.03
OLIN_CORP_DSASP 323712	20.58 -1.34 -0.93	19.88 -1.32 -0.61	22.09 -1.78 -0.13	22.49 -1.74 -0.03	23.91 -1.72 0.00	26.38 -1.89 0.00	30.96 -2.40 0.00	38.19 -3.82 0.00	36.28 -3.85 0.00	33.47 -3.64 0.00	34.54 -3.54 0.00	33.92 -4.37 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.44 -4.39 0.00	36.70 -4.98 -0.20	41.54 -5.08 0.00	47.48 -5.87 -0.01	41.19 -4.97 -0.18	36.14 -4.13 -0.15	32.27 -3.65 -0.15	28.34 -2.43 0.00	25.28 -2.44 -0.04	24.72 -2.09 -0.03
ONEIDA_HERK_LFGE 323681	20.39 0.04 0.65	20.69 0.04 -0.05	23.84 0.07 -0.03	23.26 0.10 1.04	26.03 0.41 0.00	28.81 0.54 0.00	34.27 0.90 0.00	43.36 1.34 0.00	41.30 1.16 0.00	38.15 1.04 0.00	39.11 1.03 0.00	39.44 1.15 0.00	39.00 1.13 0.00	40.24 1.17 0.00	39.95 1.13 0.00	42.78 1.24 -0.06	47.92 1.30 0.00	54.94 1.60 0.00	47.12 1.10 -0.05	41.09 0.92 -0.04	36.64 0.82 -0.05	31.33 0.55 0.00	28.02 0.33 -0.01	27.05 0.27 -0.01
ONEIDA___115KV_TB4 55905	21.43 0.38 -0.06	21.18 0.37 -0.22	24.19 0.40 -0.06	24.31 0.48 0.38	26.29 0.67 0.00	29.04 0.76 0.00	34.43 1.07 0.00	43.44 1.43 0.00	41.42 1.28 0.00	38.22 1.11 0.00	39.18 1.10 0.00	39.44 1.15 0.00	39.08 1.21 0.00	40.32 1.25 0.00	40.03 1.20 0.00	42.87 1.29 -0.11	48.11 1.49 0.00	55.10 1.76 0.00	47.44 1.38 -0.10	41.36 1.16 -0.07	36.88 1.04 -0.08	31.63 0.86 0.00	28.33 0.64 -0.02	27.38 0.59 -0.01
ONONDAGA_REF_OCCRA 23987	21.46 -0.08 -0.55	20.95 -0.08 -0.45	23.72 -0.12 -0.10	23.97 -0.07 0.17	25.55 -0.08 0.00	28.19 -0.08 0.00	33.20 -0.17 0.00	41.72 -0.29 0.00	39.86 -0.28 0.00	36.89 -0.22 0.00	37.74 -0.34 0.00	37.91 -0.38 0.00	37.53 -0.34 0.00	38.72 -0.35 0.00	38.48 -0.35 0.00	41.21 -0.46 -0.19	46.25 -0.37 0.00	52.86 -0.48 -0.01	45.73 -0.41 -0.17	39.94 -0.32 -0.14	35.63 -0.29 -0.14	30.59 -0.18 0.00	27.49 -0.22 -0.03	26.61 -0.19 -0.02
ONONDAGA___COGEN 23986	21.46 -0.04 -0.51	20.96 -0.04 -0.41	23.73 -0.09 -0.10	24.02 -0.02 0.16	25.57 -0.05 0.00	28.22 -0.06 0.00	33.20 -0.17 0.00	41.72 -0.29 0.00	39.86 -0.28 0.00	36.89 -0.22 0.00	37.77 -0.30 0.00	37.94 -0.34 0.00	37.56 -0.30 0.00	38.76 -0.31 0.00	38.52 -0.31 0.00	41.24 -0.41 -0.18	46.25 -0.37 0.00	52.91 -0.43 -0.01	45.76 -0.37 -0.16	39.97 -0.28 -0.13	35.65 -0.25 -0.13	30.59 -0.18 0.00	27.49 -0.22 -0.03	26.64 -0.16 -0.02
ONTARIO___LFGE 23819	21.69 -0.21 -0.91	21.00 -0.19 -0.59	23.60 -0.26 -0.13	24.09 -0.14 -0.03	25.68 0.05 0.00	28.42 0.14 0.00	33.63 0.27 0.00	42.06 0.04 0.00	40.06 -0.08 0.00	37.11 0.00 0.00	38.00 -0.08 0.00	37.91 -0.38 0.00	37.49 -0.38 0.00	38.52 -0.55 0.00	38.25 -0.58 0.00	40.89 -0.83 -0.25	46.20 -0.42 0.00	52.97 -0.37 -0.01	45.82 -0.37 -0.22	39.90 -0.40 -0.17	35.70 -0.25 -0.18	30.74 -0.03 0.00	27.44 -0.28 -0.04	26.43 -0.37 -0.03
ORANGEVILLE_WT_PWR 323706	20.82 -1.30 -1.13	20.11 -1.21 -0.74	22.47 -1.42 -0.16	23.01 -1.23 -0.03	24.93 -0.69 0.00	27.57 -0.71 0.00	32.60 -0.77 0.00	40.51 -1.51 0.00	38.45 -1.68 0.00	35.44 -1.67 0.00	36.51 -1.56 0.00	35.99 -2.30 0.00	35.60 -2.27 0.00	36.77 -2.31 0.00	36.46 -2.37 0.00	38.72 -3.03 -0.27	44.05 -2.56 0.00	50.25 -3.09 -0.01	43.23 -2.99 -0.25	37.63 -2.69 -0.19	33.50 -2.47 -0.21	29.39 -1.38 0.00	26.18 -1.55 -0.05	25.07 -1.74 -0.03
ORANGEVILLE___ESR 323794	20.82 -1.30 -1.13	20.11 -1.21 -0.74	22.47 -1.42 -0.16	23.01 -1.23 -0.03	24.93 -0.69 0.00	27.57 -0.71 0.00	32.60 -0.77 0.00	40.51 -1.51 0.00	38.45 -1.68 0.00	35.44 -1.67 0.00	36.51 -1.56 0.00	35.99 -2.30 0.00	35.60 -2.27 0.00	36.77 -2.31 0.00	36.46 -2.37 0.00	38.72 -3.03 -0.27	44.05 -2.56 0.00	50.25 -3.09 -0.01	43.23 -2.99 -0.25	37.63 -2.69 -0.19	33.50 -2.47 -0.21	29.39 -1.38 0.00	26.18 -1.55 -0.05	25.07 -1.74 -0.03
OSWEGATCHIE___HYD 24044	15.25 -1.13 4.60	19.10 -1.13 0.36	22.70 -1.07 -0.03	16.89 -1.52 5.79	24.96 -0.67 0.00	27.85 -0.42 0.00	33.57 0.20 0.00	42.81 0.80 0.00	40.62 0.48 0.00	37.59 0.48 0.00	38.38 0.30 0.00	38.94 0.65 0.00	38.47 0.60 0.00	39.62 0.55 0.00	39.30 0.47 0.00	41.99 0.46 -0.06	46.53 -0.09 0.00	53.28 -0.05 0.00	45.61 -0.41 -0.05	39.81 -0.36 -0.04	35.56 -0.25 -0.05	29.97 -0.80 0.00	26.64 -1.05 -0.01	25.80 -0.99 -0.01
OSWEGO___5 23606	21.11 -0.38 -0.50	20.54 -0.37 -0.32	23.35 -0.45 -0.07	23.78 -0.43 -0.02	25.14 -0.49 0.00	27.74 -0.54 0.00	32.60 -0.77 0.00	40.97 -1.05 0.00	39.14 -1.00 0.00	36.18 -0.93 0.00	37.13 -0.95 0.00	37.26 -1.03 0.00	36.85 -1.02 0.00	38.02 -1.05 0.00	37.78 -1.05 0.00	40.45 -1.16 -0.14	45.41 -1.21 0.00	51.95 -1.39 0.00	44.94 -1.15 -0.12	39.22 -1.00 -0.10	34.98 -0.89 -0.10	30.03 -0.74 0.00	27.04 -0.66 -0.02	26.23 -0.56 -0.02

OSWEGO___6 23613	21.11 -0.38 -0.50	20.54 -0.37 -0.32	23.35 -0.45 -0.07	23.78 -0.43 -0.02	25.14 -0.49 0.00	27.74 -0.54 0.00	32.60 -0.77 0.00	40.97 -1.05 0.00	39.14 -1.00 0.00	36.18 -0.93 0.00	37.13 -0.95 0.00	37.26 -1.03 0.00	36.85 -1.02 0.00	38.02 -1.05 0.00	37.78 -1.05 0.00	40.45 -1.16 -0.14	45.41 -1.21 0.00	51.95 -1.39 0.00	44.94 -1.15 -0.12	39.22 -1.00 -0.10	34.98 -0.89 -0.10	30.03 -0.74 0.00	27.04 -0.66 -0.02	26.23 -0.56 -0.02
OUTOKUMPU-AB___DRP 24206	20.82 -1.11 -0.95	20.11 -1.09 -0.62	22.40 -1.47 -0.14	22.88 -1.36 -0.03	24.52 -1.10 0.00	27.12 -1.16 0.00	31.90 -1.47 0.00	39.24 -2.77 0.00	37.29 -2.85 0.00	34.44 -2.67 0.00	35.03 -3.05 0.00	34.96 -3.33 0.00	34.61 -3.26 0.00	35.79 -3.28 0.00	35.41 -3.42 0.00	37.79 -3.90 -0.21	42.84 -3.78 0.00	49.18 -4.16 -0.01	42.34 -3.82 -0.19	37.15 -3.13 -0.15	33.10 -2.83 -0.16	29.14 -1.63 0.00	26.25 -1.47 -0.04	25.17 -1.63 -0.03
OXBOW___BTM 323836	20.73 -1.20 -0.94	20.03 -1.17 -0.61	22.28 -1.59 -0.14	22.71 -1.52 -0.03	24.24 -1.38 0.00	26.80 -1.47 0.00	31.50 -1.87 0.00	38.95 -3.07 0.00	36.93 -3.21 0.00	34.03 -3.08 0.00	35.15 -2.93 0.00	34.54 -3.75 0.00	34.19 -3.67 0.00	35.36 -3.71 0.00	35.06 -3.77 0.00	37.29 -4.40 -0.21	42.28 -4.33 0.00	48.44 -4.91 -0.01	41.93 -4.23 -0.19	36.70 -3.57 -0.15	32.78 -3.15 -0.16	28.80 -1.97 0.00	25.67 -2.05 -0.04	24.99 -1.82 -0.03
OXBOW____ 24026	20.73 -1.20 -0.94	20.03 -1.17 -0.61	22.28 -1.59 -0.14	22.71 -1.52 -0.03	24.24 -1.38 0.00	26.80 -1.47 0.00	31.50 -1.87 0.00	38.65 -3.36 0.00	36.85 -3.29 0.00	34.03 -3.08 0.00	34.61 -3.47 0.00	34.54 -3.75 0.00	34.19 -3.67 0.00	35.36 -3.71 0.00	34.95 -3.88 0.00	37.41 -4.27 -0.21	42.33 -4.29 0.00	48.49 -4.85 -0.01	41.83 -4.32 -0.19	36.74 -3.53 -0.15	32.78 -3.15 -0.16	28.77 -2.00 0.00	26.03 -1.69 -0.04	24.99 -1.82 -0.03
OXY_CHEM_DSASP 323612	20.58 -1.34 -0.93	19.88 -1.32 -0.61	22.09 -1.78 -0.13	22.49 -1.74 -0.03	23.91 -1.72 0.00	26.38 -1.89 0.00	30.96 -2.40 0.00	37.94 -4.08 0.00	36.20 -3.93 0.00	33.43 -3.67 0.00	33.97 -4.11 0.00	33.92 -4.36 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.36 -4.47 0.00	36.83 -4.85 -0.20	41.58 -5.03 0.00	47.53 -5.81 -0.01	41.09 -5.06 -0.18	36.18 -4.09 -0.15	32.27 -3.65 -0.15	28.31 -2.46 0.00	25.75 -1.97 -0.04	24.72 -2.09 -0.03
OZONE_PARK_ESR 323760	28.92 1.70 -6.23	26.32 1.67 -4.06	26.44 1.80 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.31 2.04 0.00	36.07 2.70 0.00	45.63 3.61 0.00	43.71 3.57 0.00	40.37 3.27 0.00	41.43 3.35 0.00	41.66 3.37 0.00	41.24 3.37 0.00	42.55 3.48 0.00	42.28 3.46 0.00	47.11 3.94 -1.70	51.14 4.52 0.00	58.62 5.23 -0.06	51.86 4.37 -1.52	45.30 3.97 -1.20	40.33 3.29 -1.27	33.66 2.89 0.00	30.49 2.55 -0.27	29.25 2.28 -0.19
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	20.58 -1.34 -0.93	19.88 -1.32 -0.61	22.09 -1.78 -0.13	22.49 -1.74 -0.03	23.91 -1.72 0.00	26.38 -1.89 0.00	30.96 -2.40 0.00	37.94 -4.08 0.00	36.20 -3.93 0.00	33.43 -3.67 0.00	33.97 -4.11 0.00	33.92 -4.36 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.36 -4.47 0.00	36.83 -4.85 -0.20	41.58 -5.03 0.00	47.53 -5.81 -0.01	41.09 -5.06 -0.18	36.18 -4.09 -0.15	32.27 -3.65 -0.15	28.31 -2.46 0.00	25.75 -1.97 -0.04	24.72 -2.09 -0.03
PACKARD___115KV_DUPONT_184 80571	20.58 -1.34 -0.93	19.88 -1.32 -0.61	22.09 -1.78 -0.13	22.49 -1.74 -0.03	23.91 -1.72 0.00	26.38 -1.89 0.00	30.96 -2.40 0.00	37.94 -4.08 0.00	36.20 -3.93 0.00	33.43 -3.67 0.00	33.97 -4.11 0.00	33.92 -4.36 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.36 -4.47 0.00	36.83 -4.85 -0.20	41.58 -5.03 0.00	47.53 -5.81 -0.01	41.09 -5.06 -0.18	36.18 -4.09 -0.15	32.27 -3.65 -0.15	28.31 -2.46 0.00	25.75 -1.97 -0.04	24.72 -2.09 -0.03
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	28.98 1.76 -6.23	26.36 1.71 -4.06	26.51 1.87 -0.90	26.31 1.91 -0.19	27.57 1.95 0.00	30.06 1.78 0.00	35.60 2.24 0.00	44.96 2.94 0.00	43.15 3.01 0.00	39.89 2.78 0.00	40.93 2.86 0.00	41.16 2.87 0.00	40.74 2.88 0.00	42.08 3.01 0.00	41.82 2.99 0.00	46.49 3.32 -1.70	50.44 3.82 0.00	57.77 4.37 -0.06	51.12 3.63 -1.52	44.70 3.37 -1.20	39.86 2.83 -1.27	33.26 2.49 0.00	30.22 2.27 -0.27	29.23 2.25 -0.20
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	29.11 1.89 -6.23	26.50 1.85 -4.06	26.65 2.02 -0.90	26.48 2.08 -0.19	27.75 2.13 0.00	30.25 1.98 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.43 3.29 0.00	40.08 2.97 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.08 3.04 -1.27	33.48 2.71 0.00	30.41 2.46 -0.27	29.39 2.41 -0.20
PATROON___115KV_TB1 80586	28.61 0.50 -7.12	25.74 0.51 -4.64	25.36 0.59 -1.03	25.03 0.61 -0.22	26.14 0.51 0.00	28.84 0.57 0.00	34.10 0.73 0.00	43.07 1.05 0.00	41.18 1.04 0.00	38.07 0.96 0.00	39.26 1.18 0.00	39.48 1.19 0.00	38.96 1.10 0.00	40.24 1.17 0.00	39.99 1.16 0.00	44.66 1.24 -1.94	48.02 1.40 0.00	55.05 1.65 -0.07	49.09 1.38 -1.74	42.66 1.16 -1.37	38.29 1.07 -1.45	31.66 0.89 0.00	28.82 0.83 -0.31	27.67 0.67 -0.22
PATTRSNVILLE___SOLAR 323815	29.28 0.86 -7.42	26.25 0.82 -4.84	25.73 0.92 -1.08	25.37 0.94 -0.23	26.65 1.03 0.00	29.43 1.16 0.00	34.87 1.50 0.00	43.95 1.93 0.00	41.99 1.85 0.00	38.74 1.63 0.00	39.75 1.67 0.00	39.93 1.65 0.00	39.42 1.55 0.00	40.71 1.64 0.00	40.53 1.71 0.00	45.41 1.91 -2.03	48.90 2.28 0.00	56.12 2.72 -0.07	50.08 2.30 -1.82	43.48 1.93 -1.43	39.03 1.75 -1.51	32.22 1.45 0.00	29.30 1.30 -0.32	28.10 1.10 -0.23
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	20.46 -1.55 -1.02	19.71 -1.54 -0.67	21.96 -1.92 -0.15	22.69 -1.55 -0.03	25.19 -0.44 0.00	27.94 -0.34 0.00	33.00 -0.37 0.00	40.63 -1.39 0.00	38.69 -1.44 0.00	35.59 -1.52 0.00	36.29 -1.79 0.00	36.18 -2.11 0.00	35.82 -2.04 0.00	37.00 -2.07 0.00	36.61 -2.21 0.00	38.52 -3.19 -0.24	44.52 -2.10 0.00	50.94 -2.40 -0.01	43.01 -3.17 -0.21	37.36 -2.93 -0.17	33.26 -2.68 -0.18	29.88 -0.89 0.00	25.87 -1.85 -0.04	24.94 -1.87 -0.03
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	28.69 1.43 -6.27	26.06 1.38 -4.09	26.16 1.52 -0.91	25.97 1.57 -0.19	27.24 1.61 0.00	30.03 1.75 0.00	35.73 2.37 0.00	45.17 3.15 0.00	43.27 3.13 0.00	39.93 2.82 0.00	41.01 2.93 0.00	41.27 2.99 0.00	40.86 2.99 0.00	42.20 3.13 0.00	41.97 3.15 0.00	46.71 3.53 -1.71	50.63 4.01 0.00	58.03 4.64 -0.06	51.41 3.91 -1.53	44.74 3.41 -1.21	39.98 2.93 -1.28	33.26 2.49 0.00	30.11 2.16 -0.27	28.90 1.93 -0.19
PEEKSKILL____ 23653	28.53 1.34 -6.20	25.95 1.32 -4.04	26.08 1.45 -0.90	25.89 1.50 -0.19	27.14 1.51 0.00	29.89 1.61 0.00	35.57 2.20 0.00	44.87 2.86 0.00	42.91 2.77 0.00	39.63 2.52 0.00	40.63 2.55 0.00	40.97 2.68 0.00	40.52 2.65 0.00	41.85 2.77 0.00	41.59 2.76 0.00	46.32 3.15 -1.69	50.26 3.64 0.00	57.61 4.21 -0.06	51.07 3.59 -1.52	44.45 3.13 -1.19	39.68 2.65 -1.26	33.05 2.28 0.00	30.02 2.08 -0.27	28.76 1.79 -0.19

PGE MADISON___WINDPWR 24146	24.25 1.28 -1.97	23.15 1.28 -1.29	25.42 1.40 -0.29	25.89 1.62 -0.06	27.65 2.02 0.00	30.65 2.38 0.00	36.60 3.24 0.00	46.39 4.37 0.00	44.07 3.94 0.00	40.56 3.45 0.00	41.58 3.50 0.00	41.89 3.60 0.00	41.54 3.67 0.00	42.94 3.87 0.00	42.52 3.69 0.00	45.99 3.98 -0.53	51.38 4.76 0.00	59.00 5.65 -0.02	51.00 4.55 -0.48	44.31 3.81 -0.38	39.57 3.40 -0.40	33.73 2.95 0.00	30.03 2.27 -0.09	28.85 2.01 -0.06
PIERCEFIELD___HYD 23852	12.27 -1.76 6.96	18.18 -1.77 0.64	22.12 -1.64 -0.02	13.11 -2.54 8.55	24.27 -1.36 0.00	27.29 -0.99 0.00	33.17 -0.20 0.00	42.44 0.42 0.00	40.26 0.12 0.00	37.33 0.22 0.00	38.00 -0.08 0.00	38.79 0.50 0.00	38.32 0.45 0.00	39.42 0.35 0.00	39.10 0.27 0.00	41.60 0.08 -0.05	45.69 -0.93 0.00	52.22 -1.12 0.00	45.41 -0.60 -0.04	39.11 -1.04 -0.03	35.05 -0.75 -0.03	29.17 -1.60 0.00	26.11 -1.58 -0.01	25.12 -1.66 -0.01
PINELAWN_CC_1 323563	31.39 2.02 -8.38	31.68 1.98 -9.11	28.67 2.18 -2.75	31.92 2.23 -5.49	31.16 2.31 -3.23	32.86 2.52 -2.07	37.04 3.27 -0.41	45.46 3.45 0.00	42.63 2.49 0.00	39.63 2.52 0.00	41.09 3.01 -0.01	41.56 3.10 -0.17	41.02 3.14 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	47.53 3.81 -2.25	58.86 4.20 -8.05	65.63 4.90 -7.39	61.71 4.18 -11.56	52.80 3.77 -8.90	49.64 3.40 -10.47	40.63 3.23 -6.62	37.01 2.96 -6.37	33.25 2.63 -3.85
PJM_GEN_HTP_PROXY 323702	28.75 1.53 -6.23	26.15 1.50 -4.06	26.25 1.61 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.09 1.81 0.00	35.77 2.40 0.00	46.89 3.19 -1.68	41.59 3.13 1.68	39.97 2.86 0.00	40.97 2.89 0.00	41.31 3.02 0.00	40.90 3.03 0.00	42.20 3.13 0.00	41.94 3.11 0.00	46.74 3.57 -1.70	50.63 4.01 0.00	58.03 4.64 -0.06	51.45 3.95 -1.52	44.86 3.53 -1.20	39.97 2.93 -1.27	33.32 2.55 0.00	30.27 2.33 -0.27	29.00 2.03 -0.19
PJM_GEN_KEystone 24065	24.91 0.06 -3.85	23.16 0.06 -2.51	24.22 -0.07 -0.56	24.35 0.02 -0.12	25.93 0.31 0.00	28.64 0.37 0.00	33.97 0.60 0.00	44.24 0.54 -1.68	38.86 0.40 1.68	37.26 0.15 0.00	38.23 0.15 0.00	38.25 -0.04 0.00	37.83 -0.04 0.00	39.03 -0.04 0.00	38.79 -0.04 0.00	41.80 -0.17 -0.49	46.99 0.37 0.00	53.85 0.48 -0.04	47.08 0.18 -0.93	40.98 0.12 -0.73	36.58 0.04 -0.77	31.20 0.43 0.00	28.15 0.31 -0.17	26.87 -0.03 -0.12
PJM_GEN_NEPTUNE_PROXY 323594	31.33 1.85 -8.49	31.78 1.81 -9.38	28.57 1.99 -2.85	32.03 2.06 -5.77	31.13 2.10 -3.40	32.74 2.29 -2.18	36.76 2.97 -0.43	47.18 3.49 -1.68	41.19 2.73 1.68	39.82 2.71 0.00	41.24 3.16 -0.01	41.66 3.22 -0.16	41.17 3.29 -0.01	42.44 3.36 -0.01	42.21 3.38 -0.01	47.58 3.90 -2.20	58.47 4.43 -7.42	65.33 5.17 -6.82	61.12 4.37 -10.78	52.42 3.93 -8.36	48.98 3.36 -9.85	39.84 2.95 -6.11	37.11 2.74 -6.69	33.26 2.44 -4.04
PJM_GEN_VFT_PROXY 323633	28.73 1.51 -6.23	26.15 1.50 -4.06	26.25 1.61 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.06 1.78 0.00	35.77 2.40 0.00	46.85 3.15 -1.68	41.59 3.13 1.68	39.97 2.86 0.00	40.97 2.89 0.00	41.31 3.02 0.00	40.86 2.99 0.00	42.20 3.13 0.00	41.89 3.07 0.00	46.70 3.52 -1.70	50.58 3.96 0.00	57.98 4.59 -0.06	51.40 3.91 -1.52	44.86 3.53 -1.20	39.97 2.93 -1.27	33.32 2.55 0.00	30.27 2.33 -0.27	29.00 2.03 -0.19
PLATSBURG_115KV_PMLD1 355749	10.17 -2.14 8.68	17.59 -2.16 0.84	21.80 -1.95 -0.02	10.64 -3.00 10.56	24.06 -1.56 0.00	27.20 -1.07 0.00	32.76 -0.60 0.00	42.02 0.00 0.00	39.94 -0.20 0.00	37.15 0.04 0.00	37.70 -0.38 0.00	38.59 0.31 0.00	38.13 0.27 0.00	39.15 0.08 0.00	38.83 0.00 0.00	41.18 -0.33 -0.03	44.57 -2.05 0.00	50.67 -2.67 0.00	44.48 -1.52 -0.03	38.26 -1.89 -0.02	34.33 -1.47 -0.03	28.74 -2.03 0.00	25.75 -1.94 -0.01	24.77 -2.01 0.00
PLEASANTVLY___LBMP 24000	28.56 1.20 -6.37	25.91 1.17 -4.15	25.94 1.28 -0.92	25.73 1.33 -0.19	26.96 1.33 0.00	29.69 1.41 0.00	35.27 1.90 0.00	44.54 2.52 0.00	42.59 2.45 0.00	39.30 2.19 0.00	40.40 2.32 0.00	40.66 2.37 0.00	40.21 2.35 0.00	41.49 2.42 0.00	41.27 2.45 0.00	45.95 2.74 -1.74	49.79 3.17 0.00	57.07 3.68 -0.06	50.61 3.08 -1.56	44.08 2.73 -1.23	39.39 2.32 -1.30	32.80 2.03 0.00	29.75 1.80 -0.27	28.58 1.61 -0.19
PLSNTVLE_13_KV_13.8KVDIST 80602	28.67 1.43 -6.25	26.04 1.38 -4.07	26.16 1.52 -0.91	25.97 1.57 -0.19	27.21 1.59 0.00	29.97 1.70 0.00	35.63 2.27 0.00	45.04 3.03 0.00	43.07 2.93 0.00	39.74 2.63 0.00	40.86 2.78 0.00	41.08 2.80 0.00	40.67 2.80 0.00	41.96 2.89 0.00	41.74 2.91 0.00	46.50 3.32 -1.70	50.44 3.82 0.00	57.82 4.43 -0.06	51.22 3.72 -1.53	44.62 3.29 -1.20	39.79 2.75 -1.27	33.20 2.43 0.00	30.05 2.10 -0.27	28.87 1.90 -0.19
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	28.67 1.43 -6.25	26.04 1.38 -4.07	26.16 1.52 -0.91	25.97 1.57 -0.19	27.21 1.59 0.00	29.97 1.70 0.00	35.63 2.27 0.00	45.04 3.03 0.00	43.07 2.93 0.00	39.74 2.63 0.00	40.86 2.78 0.00	41.08 2.80 0.00	40.67 2.80 0.00	41.96 2.89 0.00	41.74 2.91 0.00	46.50 3.32 -1.70	50.44 3.82 0.00	57.82 4.43 -0.06	51.22 3.72 -1.53	44.62 3.29 -1.20	39.79 2.75 -1.27	33.20 2.43 0.00	30.05 2.10 -0.27	28.87 1.90 -0.19
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	28.53 1.22 -6.32	25.90 1.19 -4.12	25.98 1.33 -0.92	25.75 1.36 -0.19	27.01 1.38 0.00	29.77 1.50 0.00	35.37 2.00 0.00	44.66 2.65 0.00	42.71 2.57 0.00	39.37 2.26 0.00	40.48 2.40 0.00	40.74 2.45 0.00	40.29 2.42 0.00	41.61 2.54 0.00	41.39 2.56 0.00	46.14 2.94 -1.72	49.98 3.36 0.00	57.34 3.95 -0.06	50.82 3.31 -1.55	44.23 2.89 -1.22	39.49 2.43 -1.29	32.93 2.15 0.00	29.83 1.88 -0.27	28.66 1.69 -0.19
POLETTI___ 23519	28.73 1.51 -6.23	26.15 1.50 -4.06	26.25 1.61 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.03 1.75 0.00	34.40 2.37 1.34	40.10 3.15 5.06	39.76 3.17 3.55	37.11 2.86 2.86	34.45 2.93 6.56	36.71 2.99 4.57	34.78 2.99 6.08	35.52 3.09 6.64	35.22 3.07 6.68	36.51 3.53 8.49	34.20 4.01 16.43	42.42 4.64 15.56	35.81 3.86 14.02	37.71 3.49 5.91	33.78 2.90 4.88	33.31 2.55 0.02	30.17 2.24 -0.25	29.00 2.04 -0.19
POMONA___ESR 323819	28.47 1.34 -6.13	25.91 1.32 -4.00	26.05 1.42 -0.89	25.87 1.48 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.57 2.20 0.00	44.87 2.86 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.59 2.51 0.00	40.93 2.64 0.00	40.48 2.61 0.00	41.81 2.73 0.00	41.55 2.72 0.00	46.26 3.11 -1.67	50.26 3.64 0.00	57.60 4.21 -0.06	51.06 3.59 -1.50	44.44 3.13 -1.18	39.63 2.61 -1.25	33.05 2.28 0.00	30.02 2.08 -0.26	28.76 1.79 -0.19
PORT_JEFF_3 23555	31.52 2.08 -8.44	31.92 2.06 -9.27	28.82 2.28 -2.81	32.14 2.27 -5.66	31.39 2.44 -3.33	32.98 2.57 -2.13	37.22 3.44 -0.42	45.96 3.95 0.00	42.75 2.61 0.00	39.71 2.60 0.00	41.24 3.16 -0.01	41.75 3.29 -0.16	41.17 3.29 -0.01	42.52 3.44 -0.01	42.29 3.45 -0.01	47.97 4.27 -2.22	59.24 4.94 -7.68	66.15 5.76 -7.05	61.99 4.92 -11.10	53.24 4.53 -8.58	49.73 3.86 -10.10	40.39 3.29 -6.32	37.14 2.91 -6.56	33.34 2.60 -3.96

PORT_JEFF_4 23616	31.52 2.08 -8.44	31.92 2.06 -9.27	28.82 2.28 -2.81	32.14 2.27 -5.66	31.39 2.44 -3.33	32.98 2.57 -2.13	37.22 3.44 -0.42	45.96 3.95 0.00	42.75 2.61 0.00	39.71 2.60 0.00	41.24 3.16 -0.01	41.75 3.29 -0.16	41.17 3.29 -0.01	42.52 3.44 -0.01	42.29 3.45 -0.01	47.97 4.27 -2.22	59.24 4.94 -7.68	66.15 5.76 -7.05	61.99 4.92 -11.10	53.24 4.53 -8.58	49.73 3.86 -10.10	40.39 3.29 -6.32	37.14 2.91 -6.56	33.34 2.60 -3.96
PORT_JEFF_IC 23713	31.51 2.08 -8.44	31.93 2.08 -9.27	28.84 2.30 -2.81	32.16 2.30 -5.65	31.41 2.46 -3.33	33.01 2.60 -2.13	37.25 3.47 -0.42	46.05 4.03 0.00	43.27 3.13 0.00	39.71 2.60 0.00	41.36 3.27 -0.01	41.78 3.33 -0.16	41.21 3.33 -0.01	42.56 3.48 -0.01	42.33 3.49 -0.01	48.05 4.35 -2.22	59.34 5.03 -7.69	66.26 5.87 -7.06	62.05 4.96 -11.11	53.29 4.57 -8.59	49.78 3.90 -10.12	40.45 3.35 -6.33	37.08 2.85 -6.55	33.36 2.62 -3.96
PPL PILGRIM_ST_GT1 24216	31.53 2.10 -8.43	31.89 2.06 -9.25	28.81 2.28 -2.80	32.16 2.32 -5.63	31.37 2.44 -3.32	33.03 2.63 -2.12	37.25 3.47 -0.42	46.01 3.99 0.00	42.99 2.85 0.00	39.97 2.86 0.00	41.51 3.43 -0.01	41.97 3.52 -0.16	41.43 3.56 -0.01	42.75 3.67 -0.01	42.49 3.65 -0.01	48.09 4.39 -2.22	59.20 4.85 -7.74	66.09 5.65 -7.11	61.97 4.83 -11.17	53.13 4.37 -8.63	49.79 3.86 -10.16	40.49 3.35 -6.37	37.23 3.02 -6.53	33.43 2.70 -3.95
PPL PILGRIM_ST_GT2 24217	31.53 2.10 -8.43	31.89 2.06 -9.25	28.81 2.28 -2.80	32.16 2.32 -5.63	31.37 2.44 -3.32	33.03 2.63 -2.12	37.25 3.47 -0.42	46.01 3.99 0.00	42.99 2.85 0.00	39.97 2.86 0.00	41.51 3.43 -0.01	41.97 3.52 -0.16	41.43 3.56 -0.01	42.75 3.67 -0.01	42.49 3.65 -0.01	48.09 4.39 -2.22	59.20 4.85 -7.74	66.09 5.65 -7.11	61.97 4.83 -11.17	53.13 4.37 -8.63	49.79 3.86 -10.16	40.49 3.35 -6.37	37.23 3.02 -6.53	33.43 2.70 -3.95
PPL_SHRM_GT3 24213	31.41 1.97 -8.44	31.92 2.06 -9.27	28.82 2.28 -2.81	31.94 2.08 -5.66	31.44 2.48 -3.33	32.87 2.46 -2.13	37.42 3.64 -0.42	46.30 4.29 0.00	42.02 1.89 0.00	39.04 1.93 0.00	40.60 2.51 -0.01	41.09 2.64 -0.16	40.52 2.65 -0.01	41.89 2.81 -0.01	41.63 2.80 -0.01	47.88 4.19 -2.22	59.19 4.89 -7.68	66.15 5.76 -7.06	61.94 4.87 -11.10	53.57 4.85 -8.59	49.95 4.08 -10.11	40.35 3.26 -6.32	36.84 2.60 -6.56	32.96 2.22 -3.96
PPL_SHRM_GT4 24214	31.41 1.97 -8.44	31.92 2.06 -9.27	28.82 2.28 -2.81	31.94 2.08 -5.66	31.44 2.48 -3.33	32.87 2.46 -2.13	37.42 3.64 -0.42	46.30 4.29 0.00	42.02 1.89 0.00	39.04 1.93 0.00	40.60 2.51 -0.01	41.09 2.64 -0.16	40.52 2.65 -0.01	41.89 2.81 -0.01	41.63 2.80 -0.01	47.88 4.19 -2.22	59.19 4.89 -7.68	66.15 5.76 -7.06	61.94 4.87 -11.10	53.57 4.85 -8.59	49.95 4.08 -10.11	40.35 3.26 -6.32	36.84 2.60 -6.56	32.96 2.22 -3.96
PROJECT___ORANGE 1 24174	21.28 -0.13 -0.41	20.81 -0.14 -0.36	23.63 -0.19 -0.08	23.87 -0.15 0.19	25.44 -0.18 0.00	28.08 -0.20 0.00	33.03 -0.33 0.00	41.47 -0.55 0.00	39.66 -0.48 0.00	36.70 -0.41 0.00	37.58 -0.50 0.00	37.75 -0.54 0.00	37.37 -0.49 0.00	38.56 -0.51 0.00	38.32 -0.50 0.00	40.97 -0.66 -0.16	45.97 -0.65 0.00	52.59 -0.75 -0.01	45.42 -0.69 -0.14	39.72 -0.52 -0.11	35.42 -0.46 -0.12	30.43 -0.34 0.00	27.37 -0.33 -0.03	26.53 -0.27 -0.02
PROJECT___ORANGE 2 24166	21.28 -0.13 -0.41	20.81 -0.14 -0.36	23.63 -0.19 -0.08	23.87 -0.15 0.19	25.44 -0.18 0.00	28.08 -0.20 0.00	33.03 -0.33 0.00	41.47 -0.55 0.00	39.66 -0.48 0.00	36.70 -0.41 0.00	37.58 -0.50 0.00	37.75 -0.54 0.00	37.37 -0.49 0.00	38.56 -0.51 0.00	38.32 -0.50 0.00	40.97 -0.66 -0.16	45.97 -0.65 0.00	52.59 -0.75 -0.01	45.42 -0.69 -0.14	39.72 -0.52 -0.11	35.42 -0.46 -0.12	30.43 -0.34 0.00	27.37 -0.33 -0.03	26.53 -0.27 -0.02
PUCKETT___SOLAR 323809	23.50 0.40 -2.11	22.35 0.39 -1.37	24.47 0.43 -0.31	24.80 0.53 -0.06	26.39 0.77 0.00	29.18 0.90 0.00	34.60 1.24 0.00	43.57 1.56 0.00	41.46 1.32 0.00	38.22 1.11 0.00	39.18 1.10 0.00	39.32 1.03 0.00	38.93 1.06 0.00	40.21 1.13 0.00	39.91 1.09 0.00	43.12 1.08 -0.57	48.15 1.54 0.00	55.17 1.81 -0.02	47.86 1.38 -0.51	41.69 1.16 -0.40	37.19 1.00 -0.43	31.82 1.05 0.00	28.54 0.77 -0.09	27.38 0.54 -0.06
PYRITES___HYD 24023	12.24 -1.60 7.16	18.32 -1.61 0.66	22.31 -1.45 -0.02	13.03 -2.40 8.78	24.50 -1.13 0.00	27.57 -0.71 0.00	33.63 0.27 0.00	43.15 1.13 0.00	40.82 0.68 0.00	37.78 0.67 0.00	38.42 0.34 0.00	39.17 0.88 0.00	38.70 0.83 0.00	39.77 0.70 0.00	39.49 0.66 0.00	42.06 0.54 -0.04	46.25 -0.37 0.00	52.91 -0.43 0.00	46.10 0.09 -0.04	39.71 -0.44 -0.03	35.55 -0.25 -0.03	29.57 -1.20 0.00	26.41 -1.27 -0.01	25.42 -1.37 0.00
QUAKERRD_115KV_BK1 80622	20.91 -0.82 -0.74	20.27 -0.80 -0.48	22.80 -1.04 -0.11	23.16 -1.06 -0.02	24.39 -1.23 0.00	26.95 -1.33 0.00	31.70 -1.67 0.00	39.58 -2.44 0.00	37.85 -2.29 0.00	35.07 -2.04 0.00	35.79 -2.28 0.00	35.88 -2.41 0.00	35.48 -2.39 0.00	36.69 -2.38 0.00	36.38 -2.45 0.00	39.07 -2.61 -0.21	43.82 -2.80 0.00	50.14 -3.20 -0.01	43.49 -2.67 -0.18	38.10 -2.17 -0.15	33.95 -1.97 -0.15	29.20 -1.57 0.00	26.52 -1.19 -0.03	25.49 -1.31 -0.02
QUEENSBRY_115KV_TB8 356137	29.75 1.51 -7.25	26.74 1.42 -4.73	26.37 1.59 -1.05	26.02 1.60 -0.22	27.34 1.72 0.00	30.31 2.04 0.00	35.93 2.57 0.00	45.38 3.36 0.00	43.59 3.45 0.00	40.30 3.19 0.00	41.70 3.62 0.00	41.70 3.41 0.00	41.05 3.18 0.00	42.35 3.28 0.00	42.05 3.22 0.00	46.85 3.40 -1.98	50.58 3.96 0.00	58.04 4.64 -0.07	51.56 3.82 -1.78	44.73 3.21 -1.40	40.21 2.97 -1.48	33.17 2.40 0.00	30.07 2.08 -0.31	28.82 1.82 -0.22
RAMAPO___LBMP 323565	28.38 1.28 -6.11	25.83 1.26 -3.98	26.00 1.38 -0.89	25.79 1.40 -0.19	27.06 1.43 0.00	29.83 1.56 0.00	35.47 2.10 0.00	44.75 2.73 0.00	42.83 2.69 0.00	39.45 2.34 0.00	40.51 2.44 0.00	40.78 2.49 0.00	40.33 2.46 0.00	41.65 2.58 0.00	41.39 2.56 0.00	46.09 2.94 -1.67	50.07 3.45 0.00	57.45 4.05 -0.06	50.82 3.36 -1.50	44.27 2.97 -1.18	39.52 2.50 -1.25	32.96 2.18 0.00	29.85 1.91 -0.26	28.68 1.71 -0.19
RANKINE____ 23646	20.75 -1.24 -1.00	20.03 -1.21 -0.65	22.33 -1.54 -0.15	22.90 -1.33 -0.03	24.83 -0.79 0.00	27.48 -0.79 0.00	32.40 -0.97 0.00	39.87 -2.14 0.00	38.01 -2.13 0.00	35.07 -2.04 0.00	35.72 -2.36 0.00	35.65 -2.64 0.00	35.29 -2.57 0.00	36.49 -2.58 0.00	36.07 -2.76 0.00	38.34 -3.36 -0.23	43.73 -2.89 0.00	49.98 -3.36 -0.01	42.77 -3.40 -0.21	37.40 -2.89 -0.16	33.29 -2.65 -0.17	29.45 -1.32 0.00	26.20 -1.52 -0.04	25.18 -1.63 -0.03
RAVENSWOOD_GT2_1 24244	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.27 2.33 -0.27	29.09 2.12 -0.19



RAVENSWOOD_GT2_2 24245	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.27 2.33 -0.27	29.09 2.12 -0.19
RAVENSWOOD_GT2_3 24246	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.29 3.28 0.00	43.39 3.25 0.00	40.04 2.93 0.00	41.12 3.05 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	42.01 3.18 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.42 2.65 0.00	30.27 2.33 -0.27	29.09 2.12 -0.19
RAVENSWOOD_GT2_4 24247	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.29 3.28 0.00	43.39 3.25 0.00	40.04 2.93 0.00	41.12 3.05 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	42.01 3.18 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.42 2.65 0.00	30.27 2.33 -0.27	29.09 2.12 -0.19
RAVENSWOOD_GT3_1 24248	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.27 2.33 -0.27	29.09 2.12 -0.19
RAVENSWOOD_GT3_2 24249	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.27 2.33 -0.27	29.09 2.12 -0.19
RAVENSWOOD_GT3_3 24250	28.82 1.60 -6.23	26.21 1.56 -4.06	26.32 1.68 -0.90	26.14 1.74 -0.19	27.39 1.77 0.00	30.14 1.87 0.00	35.87 2.50 0.00	45.34 3.32 0.00	43.43 3.29 0.00	40.11 3.01 0.00	41.16 3.08 0.00	41.43 3.14 0.00	40.97 3.11 0.00	42.31 3.24 0.00	42.05 3.22 0.00	46.82 3.65 -1.70	50.81 4.20 0.00	58.25 4.85 -0.06	51.54 4.05 -1.52	44.98 3.65 -1.20	40.08 3.04 -1.27	33.45 2.68 0.00	30.30 2.35 -0.27	29.11 2.14 -0.19
RAVENSWOOD_GT3_4 24251	28.82 1.60 -6.23	26.21 1.56 -4.06	26.32 1.68 -0.90	26.14 1.74 -0.19	27.39 1.77 0.00	30.14 1.87 0.00	35.87 2.50 0.00	45.34 3.32 0.00	43.43 3.29 0.00	40.11 3.01 0.00	41.16 3.08 0.00	41.43 3.14 0.00	40.97 3.11 0.00	42.31 3.24 0.00	42.05 3.22 0.00	46.82 3.65 -1.70	50.81 4.20 0.00	58.25 4.85 -0.06	51.54 4.05 -1.52	44.98 3.65 -1.20	40.08 3.04 -1.27	33.45 2.68 0.00	30.30 2.35 -0.27	29.11 2.14 -0.19
RAVENSWOOD_GT_1 23729	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.84 0.00	30.14 1.87 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.43 3.29 0.00	40.11 3.01 0.00	41.16 3.08 0.00	41.43 3.14 0.00	40.97 3.11 0.00	42.31 3.24 0.00	42.05 3.22 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.98 3.65 -1.20	40.08 3.04 -1.27	33.45 2.68 0.00	30.38 2.44 -0.27	29.25 2.28 -0.20
RAVENSWOOD_GT_10 24258	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.27 2.33 -0.27	29.08 2.12 -0.19
RAVENSWOOD_GT_11 24259	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.27 2.33 -0.27	29.08 2.12 -0.19
RAVENSWOOD_GT_4 24252	28.77 1.55 -6.23	26.17 1.52 -4.06	26.27 1.64 -0.90	26.09 1.69 -0.19	27.34 1.72 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.29 3.28 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.24 2.30 -0.27	29.05 2.09 -0.19
RAVENSWOOD_GT_5 24254	28.77 1.55 -6.23	26.17 1.52 -4.06	26.27 1.64 -0.90	26.09 1.69 -0.19	27.34 1.72 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.29 3.28 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.24 2.30 -0.27	29.05 2.09 -0.19
RAVENSWOOD_GT_6 24253	28.77 1.55 -6.23	26.17 1.52 -4.06	26.27 1.64 -0.90	26.09 1.69 -0.19	27.34 1.72 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.29 3.28 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.24 2.30 -0.27	29.05 2.09 -0.19
RAVENSWOOD_GT_7 24255	28.77 1.55 -6.23	26.17 1.52 -4.06	26.27 1.64 -0.90	26.09 1.69 -0.19	27.34 1.72 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.29 3.28 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.78 3.61 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.24 2.30 -0.27	29.05 2.09 -0.19
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.27 2.33 -0.27	29.08 2.12 -0.19

RAVENSWOOD_GT_9 24257	28.80 1.57 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.35 3.21 0.00	40.04 2.93 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.45 3.95 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.27 2.33 -0.27	29.08 2.12 -0.19
RAVENSWOOD___1 23533	28.90 1.68 -6.23	26.28 1.63 -4.06	26.39 1.76 -0.90	26.21 1.82 -0.19	27.47 1.85 0.00	30.14 1.87 0.00	35.80 2.43 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.08 2.97 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.97 3.11 0.00	42.28 3.20 0.00	42.01 3.18 0.00	46.74 3.57 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.42 2.65 0.00	30.41 2.46 -0.27	29.23 2.25 -0.20
RAVENSWOOD___2 23534	28.88 1.66 -6.23	26.26 1.61 -4.06	26.39 1.76 -0.90	26.19 1.79 -0.19	27.44 1.82 0.00	30.14 1.87 0.00	35.80 2.43 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.08 2.97 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	42.01 3.18 0.00	46.74 3.57 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.42 2.65 0.00	30.41 2.46 -0.27	29.20 2.22 -0.20
RAVENSWOOD___3 23535	28.80 1.58 -6.23	26.19 1.54 -4.06	26.30 1.66 -0.90	26.11 1.72 -0.19	27.37 1.74 0.00	30.11 1.84 0.00	35.80 2.43 0.00	45.21 3.19 0.00	43.31 3.17 0.00	40.04 2.93 0.00	41.01 2.93 0.00	41.35 3.06 0.00	40.93 3.07 0.00	42.24 3.16 0.00	41.97 3.14 0.00	46.74 3.57 -1.70	50.67 4.05 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.89 3.57 -1.20	40.00 2.97 -1.27	33.36 2.59 0.00	30.33 2.38 -0.27	29.06 2.09 -0.19
RAVENSWOOD___4 23820	28.88 1.66 -6.23	26.26 1.61 -4.06	26.37 1.73 -0.90	26.19 1.79 -0.19	27.44 1.82 0.00	30.11 1.84 0.00	35.77 2.40 0.00	45.17 3.15 0.00	43.31 3.17 0.00	40.08 2.97 0.00	41.05 2.97 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	41.97 3.14 0.00	46.74 3.57 -1.70	50.67 4.05 0.00	58.03 4.64 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.04 3.00 -1.27	33.39 2.61 0.00	30.41 2.46 -0.27	29.20 2.22 -0.20
RCPL_TRUST___DRP 24196	28.77 1.55 -6.23	26.15 1.50 -4.06	26.27 1.64 -0.90	26.09 1.69 -0.19	27.34 1.72 0.00	30.11 1.84 0.00	35.83 2.47 0.00	45.29 3.28 0.00	43.39 3.25 0.00	40.08 2.97 0.00	41.12 3.05 0.00	41.39 3.10 0.00	40.93 3.07 0.00	42.28 3.20 0.00	42.01 3.18 0.00	46.78 3.61 -1.70	50.77 4.15 0.00	58.19 4.80 -0.06	51.49 4.00 -1.52	44.90 3.57 -1.20	40.01 2.97 -1.27	33.39 2.62 0.00	30.24 2.30 -0.27	29.03 2.06 -0.19
RED___ROCHESTER 323720	21.35 -0.40 -0.76	20.69 -0.39 -0.49	23.25 -0.59 -0.11	23.62 -0.60 -0.02	24.88 -0.74 0.00	27.51 -0.76 0.00	32.37 -1.00 0.00	40.54 -1.47 0.00	38.65 -1.48 0.00	35.77 -1.33 0.00	36.78 -1.29 0.00	36.49 -1.80 0.00	36.13 -1.74 0.00	37.35 -1.72 0.00	37.08 -1.75 0.00	39.74 -1.95 -0.21	44.66 -1.96 0.00	51.10 -2.24 -0.01	44.41 -1.75 -0.19	38.87 -1.41 -0.15	34.67 -1.25 -0.16	29.88 -0.89 0.00	26.69 -1.02 -0.03	26.05 -0.75 -0.02
REGAN___SOLAR 323812	30.18 1.47 -7.72	27.00 1.38 -5.03	26.39 1.54 -1.12	26.04 1.60 -0.24	27.39 1.77 0.00	30.37 2.09 0.00	36.07 2.70 0.00	45.50 3.49 0.00	43.51 3.37 0.00	40.08 2.97 0.00	41.24 3.16 0.00	41.28 2.99 0.00	40.67 2.80 0.00	42.08 3.01 0.00	41.89 3.07 0.00	46.98 3.40 -2.11	50.72 4.10 0.00	58.31 4.90 -0.07	51.95 4.09 -1.89	45.02 3.41 -1.49	40.49 3.15 -1.57	33.32 2.55 0.00	30.20 2.19 -0.33	28.89 1.87 -0.24
RENSSELAER___COGEN 23796	28.47 0.42 -7.06	25.63 0.43 -4.60	25.26 0.50 -1.02	24.93 0.51 -0.22	26.03 0.41 0.00	28.70 0.42 0.00	33.93 0.57 0.00	42.77 0.76 0.00	40.94 0.80 0.00	37.89 0.78 0.00	38.91 0.84 0.00	39.21 0.92 0.00	38.74 0.87 0.00	39.97 0.90 0.00	39.72 0.89 0.00	44.40 0.99 -1.93	47.69 1.07 0.00	54.73 1.33 -0.07	48.80 1.10 -1.73	42.41 0.92 -1.36	38.06 0.86 -1.44	31.48 0.71 0.00	28.70 0.72 -0.30	27.53 0.54 -0.22
REPUBLIC_115KV_BARTNBRK 55605	30.59 2.35 -7.25	27.52 2.20 -4.72	27.23 2.44 -1.05	26.89 2.47 -0.22	28.34 2.72 0.00	31.50 3.22 0.00	37.44 4.07 0.00	47.27 5.25 0.00	45.48 5.34 0.00	42.04 4.94 0.00	43.71 5.64 0.00	43.73 5.44 0.00	42.87 5.00 0.00	44.27 5.20 0.00	43.91 5.09 0.00	48.76 5.31 -1.98	52.87 6.25 0.00	60.76 7.36 -0.07	53.81 6.07 -1.77	46.58 5.06 -1.40	41.97 4.72 -1.48	34.56 3.78 0.00	31.17 3.18 -0.31	29.79 2.79 -0.22
REVERE_CPPR_DRP 24186	21.22 0.42 0.19	21.19 0.43 -0.16	24.26 0.47 -0.05	24.11 0.53 0.62	26.44 0.82 0.00	29.24 0.96 0.00	34.70 1.33 0.00	43.86 1.85 0.00	41.82 1.69 0.00	38.59 1.48 0.00	39.52 1.45 0.00	39.86 1.57 0.00	39.49 1.63 0.00	40.75 1.68 0.00	40.46 1.63 0.00	43.35 1.78 -0.09	48.62 2.00 0.00	55.74 2.40 0.00	47.93 1.88 -0.08	41.71 1.52 -0.06	37.23 1.39 -0.07	31.88 1.11 0.00	28.52 0.83 -0.01	27.54 0.75 -0.01
REYNOLDS_115KV_TB3 80639	28.69 0.63 -7.07	25.84 0.64 -4.61	25.47 0.71 -1.03	25.15 0.73 -0.22	26.26 0.64 0.00	28.98 0.71 0.00	34.27 0.90 0.00	43.23 1.22 0.00	41.34 1.20 0.00	38.22 1.11 0.00	39.37 1.29 0.00	39.59 1.30 0.00	39.12 1.25 0.00	40.32 1.25 0.00	40.11 1.28 0.00	44.77 1.37 -1.93	48.16 1.54 0.00	55.21 1.81 -0.07	49.22 1.52 -1.73	42.81 1.32 -1.36	38.43 1.22 -1.44	31.82 1.05 0.00	28.95 0.97 -0.30	27.83 0.83 -0.22
RIVERBAY____ 323610	29.11 1.89 -6.23	26.50 1.85 -4.06	26.65 2.02 -0.90	26.48 2.08 -0.19	27.75 2.13 0.00	30.25 1.98 0.00	35.83 2.47 0.00	45.25 3.24 0.00	43.43 3.29 0.00	40.08 2.97 0.00	41.09 3.01 0.00	41.35 3.06 0.00	40.90 3.03 0.00	42.24 3.16 0.00	41.97 3.15 0.00	46.74 3.57 -1.70	50.72 4.10 0.00	58.09 4.69 -0.06	51.45 3.95 -1.52	44.94 3.61 -1.20	40.08 3.04 -1.27	33.48 2.71 0.00	30.41 2.46 -0.27	29.39 2.41 -0.20
RIVERSDE_115KV_TB3 55908	28.60 0.52 -7.08	25.74 0.54 -4.62	25.38 0.62 -1.03	25.05 0.63 -0.22	26.16 0.54 0.00	28.87 0.59 0.00	34.13 0.77 0.00	43.07 1.05 0.00	41.18 1.04 0.00	38.07 0.96 0.00	39.26 1.18 0.00	39.44 1.15 0.00	38.96 1.10 0.00	40.20 1.13 0.00	39.99 1.16 0.00	44.65 1.24 -1.93	47.97 1.35 0.00	55.05 1.65 -0.07	49.04 1.33 -1.73	42.65 1.16 -1.37	38.29 1.07 -1.45	31.66 0.89 0.00	28.84 0.86 -0.31	27.69 0.70 -0.22
ROARING___BROOK_WT_PWR 323790	9.84 -1.13 10.01	18.43 -1.11 1.05	22.69 -1.04 0.00	10.88 -1.31 12.02	24.80 -0.82 0.00	27.63 -0.65 0.00	33.00 -0.37 0.00	41.85 -0.17 0.00	39.90 -0.24 0.00	36.96 -0.15 0.00	37.81 -0.26 0.00	38.25 -0.04 0.00	37.83 -0.04 0.00	38.95 -0.12 0.00	38.67 -0.15 0.00	41.19 -0.29 0.00	45.83 -0.79 0.00	52.27 -1.07 0.00	44.96 -1.01 0.00	39.24 -0.88 0.00	34.98 -0.79 0.00	29.76 -1.01 0.00	26.60 -1.08 0.00	25.76 -1.02 0.00

ROCHESRG_115KV_T4 355643	21.20 -0.55 -0.75	20.54 -0.54 -0.49	23.08 -0.76 -0.11	23.45 -0.77 -0.02	24.70 -0.92 0.00	27.29 -0.99 0.00	32.10 -1.27 0.00	39.96 -2.06 0.00	38.17 -1.97 0.00	35.36 -1.74 0.00	36.02 -2.06 0.00	36.07 -2.22 0.00	35.71 -2.16 0.00	36.92 -2.15 0.00	36.61 -2.21 0.00	39.32 -2.36 -0.21	44.15 -2.47 0.00	50.52 -2.83 -0.01	43.81 -2.34 -0.19	38.43 -1.85 -0.15	34.28 -1.65 -0.16	29.54 -1.23 0.00	26.88 -0.83 -0.03	25.81 -0.99 -0.02
ROCHESTER_9_IC 23652	21.29 -0.46 -0.76	20.63 -0.45 -0.49	23.18 -0.66 -0.11	23.55 -0.68 -0.02	24.80 -0.82 0.00	27.40 -0.88 0.00	32.23 -1.13 0.00	40.17 -1.85 0.00	38.41 -1.73 0.00	35.59 -1.52 0.00	36.25 -1.83 0.00	36.30 -1.99 0.00	35.94 -1.93 0.00	37.16 -1.91 0.00	36.85 -1.98 0.00	39.57 -2.12 -0.21	44.43 -2.19 0.00	50.84 -2.51 -0.01	44.09 -2.07 -0.19	38.67 -1.60 -0.15	34.46 -1.47 -0.16	29.70 -1.08 0.00	27.02 -0.69 -0.03	25.92 -0.88 -0.02
ROCKVIEW_13_KV_LD 356306	28.73 1.51 -6.23	26.13 1.48 -4.06	26.25 1.61 -0.90	26.06 1.67 -0.19	27.31 1.69 0.00	30.08 1.81 0.00	35.80 2.44 0.00	45.25 3.24 0.00	43.31 3.17 0.00	39.97 2.86 0.00	41.05 2.97 0.00	41.31 3.02 0.00	40.90 3.03 0.00	42.20 3.13 0.00	41.93 3.11 0.00	46.70 3.53 -1.70	50.72 4.10 0.00	58.14 4.75 -0.06	51.49 4.00 -1.52	44.86 3.53 -1.20	39.97 2.93 -1.27	33.36 2.58 0.00	30.22 2.27 -0.27	29.00 2.04 -0.19
ROME____115KV_TB2 80656	21.22 0.42 0.19	21.19 0.43 -0.16	24.26 0.47 -0.05	24.11 0.53 0.62	26.44 0.82 0.00	29.24 0.96 0.00	34.70 1.33 0.00	43.86 1.85 0.00	41.82 1.69 0.00	38.59 1.48 0.00	39.52 1.45 0.00	39.86 1.57 0.00	39.49 1.63 0.00	40.75 1.68 0.00	40.46 1.63 0.00	43.35 1.78 -0.09	48.62 2.00 0.00	55.74 2.40 0.00	47.93 1.88 -0.08	41.71 1.52 -0.06	37.23 1.39 -0.07	31.88 1.11 0.00	28.52 0.83 -0.01	27.54 0.75 -0.01
ROSETON___1 23587	28.41 1.22 -6.20	25.82 1.19 -4.04	25.94 1.30 -0.90	25.75 1.35 -0.19	26.98 1.36 0.00	29.74 1.47 0.00	35.33 1.97 0.00	44.58 2.56 0.00	42.63 2.49 0.00	39.37 2.26 0.00	40.36 2.28 0.00	40.70 2.41 0.00	40.25 2.39 0.00	41.57 2.50 0.00	41.32 2.49 0.00	45.99 2.82 -1.69	49.83 3.21 0.00	57.18 3.79 -0.06	50.70 3.22 -1.52	44.13 2.81 -1.19	39.43 2.40 -1.26	32.83 2.06 0.00	29.85 1.91 -0.27	28.60 1.63 -0.19
ROSETON___2 23588	28.41 1.22 -6.20	25.82 1.19 -4.04	25.94 1.30 -0.90	25.75 1.35 -0.19	26.98 1.36 0.00	29.74 1.47 0.00	35.33 1.97 0.00	44.58 2.56 0.00	42.63 2.49 0.00	39.37 2.26 0.00	40.36 2.28 0.00	40.70 2.41 0.00	40.25 2.39 0.00	41.57 2.50 0.00	41.32 2.49 0.00	45.99 2.82 -1.69	49.83 3.21 0.00	57.18 3.79 -0.06	50.70 3.22 -1.52	44.13 2.81 -1.19	39.43 2.40 -1.26	32.83 2.06 0.00	29.85 1.91 -0.27	28.60 1.63 -0.19
ROTRDAM_115KV_TB3 80664	28.99 0.69 -7.31	26.01 0.66 -4.76	25.55 0.76 -1.06	25.20 0.77 -0.22	26.42 0.79 0.00	29.15 0.88 0.00	34.50 1.13 0.00	43.49 1.47 0.00	41.58 1.44 0.00	38.41 1.30 0.00	39.52 1.45 0.00	39.71 1.42 0.00	39.19 1.33 0.00	40.48 1.41 0.00	40.23 1.40 0.00	45.00 1.53 -1.99	48.39 1.77 0.00	55.48 2.08 -0.07	49.50 1.75 -1.79	43.06 1.52 -1.41	38.62 1.36 -1.49	31.91 1.14 0.00	28.99 1.00 -0.32	27.89 0.88 -0.22
RUSSELL___1 23602	21.35 -0.40 -0.76	20.69 -0.39 -0.49	23.25 -0.59 -0.11	23.62 -0.61 -0.02	24.88 -0.74 0.00	27.51 -0.76 0.00	32.36 -1.00 0.00	40.38 -1.64 0.00	38.61 -1.53 0.00	35.77 -1.34 0.00	36.44 -1.64 0.00	36.49 -1.80 0.00	36.12 -1.74 0.00	37.35 -1.72 0.00	37.04 -1.79 0.00	39.78 -1.91 -0.21	44.66 -1.96 0.00	51.16 -2.19 -0.01	44.32 -1.84 -0.19	38.87 -1.40 -0.15	34.64 -1.29 -0.16	29.85 -0.92 0.00	27.13 -0.58 -0.03	26.00 -0.80 -0.02
RUSSELL___2 23532	21.35 -0.40 -0.76	20.69 -0.39 -0.49	23.25 -0.59 -0.11	23.62 -0.61 -0.02	24.88 -0.74 0.00	27.51 -0.76 0.00	32.36 -1.00 0.00	40.38 -1.64 0.00	38.61 -1.53 0.00	35.77 -1.34 0.00	36.44 -1.64 0.00	36.49 -1.80 0.00	36.12 -1.74 0.00	37.35 -1.72 0.00	37.04 -1.79 0.00	39.78 -1.91 -0.21	44.66 -1.96 0.00	51.16 -2.19 -0.01	44.32 -1.84 -0.19	38.87 -1.40 -0.15	34.64 -1.29 -0.16	29.85 -0.92 0.00	27.13 -0.58 -0.03	26.00 -0.80 -0.02
RUSSELL___3 23549	21.35 -0.40 -0.76	20.69 -0.39 -0.49	23.25 -0.59 -0.11	23.62 -0.61 -0.02	24.88 -0.74 0.00	27.51 -0.76 0.00	32.36 -1.00 0.00	40.38 -1.64 0.00	38.61 -1.53 0.00	35.77 -1.34 0.00	36.44 -1.64 0.00	36.49 -1.80 0.00	36.12 -1.74 0.00	37.35 -1.72 0.00	37.04 -1.79 0.00	39.78 -1.91 -0.21	44.66 -1.96 0.00	51.16 -2.19 -0.01	44.32 -1.84 -0.19	38.87 -1.40 -0.15	34.64 -1.29 -0.16	29.85 -0.92 0.00	27.13 -0.58 -0.03	26.00 -0.80 -0.02
RUSSELL___4 23556	21.35 -0.40 -0.76	20.69 -0.39 -0.49	23.25 -0.59 -0.11	23.62 -0.61 -0.02	24.88 -0.74 0.00	27.51 -0.76 0.00	32.36 -1.00 0.00	40.38 -1.64 0.00	38.61 -1.53 0.00	35.77 -1.34 0.00	36.44 -1.64 0.00	36.49 -1.80 0.00	36.12 -1.74 0.00	37.35 -1.72 0.00	37.04 -1.79 0.00	39.78 -1.91 -0.21	44.66 -1.96 0.00	51.16 -2.19 -0.01	44.32 -1.84 -0.19	38.87 -1.40 -0.15	34.64 -1.29 -0.16	29.85 -0.92 0.00	27.13 -0.58 -0.03	26.00 -0.80 -0.02
RUSSELL___STATION 23914	21.35 -0.40 -0.76	20.69 -0.39 -0.49	23.25 -0.59 -0.11	23.62 -0.61 -0.02	24.88 -0.74 0.00	27.51 -0.76 0.00	32.36 -1.00 0.00	40.38 -1.64 0.00	38.61 -1.53 0.00	35.77 -1.34 0.00	36.44 -1.64 0.00	36.49 -1.80 0.00	36.12 -1.74 0.00	37.35 -1.72 0.00	37.04 -1.79 0.00	39.78 -1.91 -0.21	44.66 -1.96 0.00	51.16 -2.19 -0.01	44.32 -1.84 -0.19	38.87 -1.40 -0.15	34.64 -1.29 -0.16	29.85 -0.92 0.00	27.13 -0.58 -0.03	26.00 -0.80 -0.02
S SALMON___HYD 24043	20.40 -0.21 0.38	20.60 -0.21 -0.22	23.56 -0.24 -0.07	22.98 -0.22 1.00	25.52 -0.10 0.00	28.22 -0.06 0.00	33.33 -0.03 0.00	42.06 0.04 0.00	40.10 -0.04 0.00	37.11 0.00 0.00	38.00 -0.08 0.00	38.14 -0.15 0.00	37.72 -0.15 0.00	38.88 -0.19 0.00	38.63 -0.19 0.00	41.44 -0.17 -0.13	46.34 -0.28 0.00	53.18 -0.16 0.00	45.67 -0.41 -0.11	39.85 -0.36 -0.09	35.57 -0.29 -0.10	30.52 -0.25 0.00	27.37 -0.33 -0.02	26.53 -0.27 -0.01
S.PERRY__115KV_TB1 80734	21.86 -0.21 -1.08	21.13 -0.16 -0.70	23.63 -0.26 -0.16	24.12 -0.12 -0.03	25.73 0.10 0.00	28.50 0.23 0.00	33.77 0.40 0.00	42.14 0.13 0.00	40.02 -0.12 0.00	36.81 -0.30 0.00	37.32 -0.76 0.00	37.22 -1.07 0.00	36.73 -1.14 0.00	37.94 -1.13 0.00	37.62 -1.20 0.00	40.39 -1.37 -0.28	45.87 -0.75 0.00	52.81 -0.53 -0.01	45.76 -0.46 -0.25	40.08 -0.24 -0.20	35.66 -0.32 -0.21	30.80 0.03 0.00	27.59 -0.14 -0.05	26.36 -0.46 -0.03
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	20.78 -1.18 -0.96	20.04 -1.17 -0.63	22.33 -1.54 -0.14	22.81 -1.43 -0.03	24.47 -1.15 0.00	27.06 -1.22 0.00	31.83 -1.53 0.00	39.12 -2.90 0.00	37.33 -2.81 0.00	34.44 -2.67 0.00	35.07 -3.01 0.00	35.00 -3.29 0.00	34.65 -3.22 0.00	35.83 -3.24 0.00	35.41 -3.42 0.00	37.83 -3.86 -0.21	42.94 -3.68 0.00	49.08 -4.27 -0.01	42.21 -3.95 -0.19	37.03 -3.25 -0.15	33.00 -2.93 -0.16	29.05 -1.72 0.00	26.12 -1.61 -0.04	25.07 -1.74 -0.03

SAWYER___23_KV_LOAD 55526	20.78 -1.18 -0.96	20.04 -1.17 -0.63	22.33 -1.54 -0.14	22.81 -1.43 -0.03	24.47 -1.15 0.00	27.06 -1.22 0.00	31.83 -1.53 0.00	39.12 -2.90 0.00	37.33 -2.81 0.00	34.44 -2.67 0.00	35.07 -3.01 0.00	35.00 -3.29 0.00	34.65 -3.22 0.00	35.83 -3.24 0.00	35.41 -3.42 0.00	37.83 -3.86 -0.21	42.94 -3.68 0.00	49.08 -4.27 -0.01	42.21 -3.95 -0.19	37.03 -3.25 -0.15	33.00 -2.93 -0.16	29.05 -1.72 0.00	26.12 -1.61 -0.04	25.07 -1.74 -0.03
SELKIRK___I 23801	28.52 0.54 -6.99	25.70 0.56 -4.55	25.41 0.66 -1.01	25.07 0.65 -0.21	26.24 0.61 0.00	28.93 0.65 0.00	34.20 0.83 0.00	43.07 1.05 0.00	41.22 1.08 0.00	38.11 1.00 0.00	39.18 1.10 0.00	39.44 1.15 0.00	38.93 1.06 0.00	40.16 1.09 0.00	39.95 1.13 0.00	44.59 1.20 -1.91	47.97 1.35 0.00	55.00 1.60 -0.06	49.06 1.38 -1.71	42.64 1.16 -1.35	38.26 1.07 -1.43	31.67 0.89 0.00	28.84 0.86 -0.30	27.69 0.70 -0.21
SELKIRK___II 23799	28.49 0.46 -7.03	25.65 0.47 -4.59	25.30 0.55 -1.02	24.98 0.56 -0.22	26.11 0.49 0.00	28.78 0.51 0.00	34.03 0.67 0.00	42.90 0.88 0.00	41.06 0.92 0.00	37.96 0.85 0.00	38.99 0.91 0.00	39.25 0.96 0.00	38.77 0.91 0.00	40.01 0.94 0.00	39.80 0.97 0.00	44.47 1.08 -1.92	47.78 1.17 0.00	54.78 1.38 -0.07	48.88 1.19 -1.72	42.52 1.04 -1.36	38.13 0.93 -1.44	31.57 0.80 0.00	28.73 0.75 -0.30	27.61 0.62 -0.22
SENECA OSWGO___HYD 24041	21.07 -0.25 -0.33	20.67 -0.25 -0.33	23.48 -0.33 -0.08	23.69 -0.29 0.22	25.27 -0.36 0.00	27.88 -0.40 0.00	32.77 -0.60 0.00	41.18 -0.84 0.00	39.34 -0.80 0.00	36.40 -0.71 0.00	37.32 -0.76 0.00	37.45 -0.84 0.00	37.03 -0.83 0.00	38.21 -0.86 0.00	37.97 -0.85 0.00	40.67 -0.95 -0.15	45.69 -0.93 0.00	52.27 -1.07 0.00	45.22 -0.87 -0.13	39.46 -0.76 -0.10	35.19 -0.68 -0.11	30.22 -0.55 0.00	27.18 -0.53 -0.02	26.37 -0.43 -0.02
SENECA___115KV_TB3 355854	20.80 -1.20 -1.00	20.07 -1.17 -0.65	22.36 -1.52 -0.15	22.93 -1.31 -0.03	24.86 -0.77 0.00	27.54 -0.74 0.00	32.46 -0.90 0.00	39.96 -2.06 0.00	38.09 -2.05 0.00	35.14 -1.97 0.00	35.79 -2.28 0.00	35.72 -2.57 0.00	35.37 -2.50 0.00	36.57 -2.50 0.00	36.15 -2.68 0.00	38.43 -3.28 -0.23	43.82 -2.80 0.00	50.09 -3.25 -0.01	42.86 -3.31 -0.21	37.44 -2.85 -0.16	33.36 -2.58 -0.17	29.51 -1.26 0.00	26.26 -1.47 -0.04	25.20 -1.61 -0.03
SENECA___ENERGY 23797	21.54 -0.27 -0.82	20.88 -0.25 -0.54	23.50 -0.36 -0.12	23.96 -0.27 -0.03	25.42 -0.21 0.00	28.11 -0.17 0.00	33.20 -0.17 0.00	41.64 -0.38 0.00	39.70 -0.44 0.00	36.74 -0.37 0.00	37.66 -0.42 0.00	37.64 -0.65 0.00	37.22 -0.64 0.00	38.33 -0.74 0.00	38.09 -0.74 0.00	40.75 -0.95 -0.22	45.92 -0.70 0.00	52.60 -0.75 -0.01	45.53 -0.64 -0.20	39.68 -0.60 -0.16	35.43 -0.50 -0.17	30.46 -0.31 0.00	27.27 -0.44 -0.04	26.35 -0.46 -0.03
SHOEMAKER___GT 23640	27.99 1.09 -5.91	25.49 1.05 -3.85	25.75 1.16 -0.86	25.59 1.21 -0.18	26.85 1.23 0.00	29.60 1.33 0.00	35.17 1.80 0.00	44.37 2.35 0.00	42.38 2.25 0.00	39.07 1.97 0.00	40.06 1.98 0.00	40.39 2.10 0.00	39.95 2.08 0.00	41.26 2.19 0.00	41.00 2.17 0.00	45.62 2.53 -1.61	49.56 2.94 0.00	56.85 3.46 -0.05	50.36 2.94 -1.45	43.83 2.57 -1.14	39.12 2.15 -1.20	32.65 1.88 0.00	29.65 1.72 -0.25	28.43 1.47 -0.18
SHOEMAKR_138KV_BK 111 55601	27.96 1.09 -5.88	25.49 1.07 -3.83	25.75 1.16 -0.85	25.59 1.21 -0.18	26.85 1.23 0.00	29.60 1.33 0.00	35.17 1.80 0.00	44.37 2.35 0.00	42.43 2.29 0.00	39.11 2.00 0.00	40.17 2.09 0.00	40.39 2.11 0.00	39.99 2.12 0.00	41.26 2.19 0.00	41.04 2.21 0.00	45.61 2.53 -1.60	49.60 2.98 0.00	56.86 3.47 -0.05	50.30 2.90 -1.44	43.82 2.57 -1.13	39.11 2.15 -1.20	32.68 1.91 0.00	29.59 1.66 -0.25	28.43 1.47 -0.18
SHOREHAM_IC_1 23715	31.41 1.97 -8.44	31.92 2.06 -9.27	28.82 2.28 -2.81	31.94 2.08 -5.66	31.44 2.48 -3.33	32.87 2.46 -2.13	37.42 3.64 -0.42	46.30 4.29 0.00	42.02 1.89 0.00	39.04 1.93 0.00	40.60 2.51 -0.01	41.09 2.64 -0.16	40.52 2.65 -0.01	41.89 2.81 -0.01	41.63 2.80 -0.01	47.88 4.19 -2.22	59.19 4.89 -7.68	66.15 5.76 -7.06	61.94 4.87 -11.10	53.57 4.85 -8.59	49.95 4.08 -10.11	40.35 3.26 -6.32	36.84 2.60 -6.56	32.96 2.22 -3.96
SHOREHAM_IC_2 23716	31.41 1.97 -8.44	31.92 2.06 -9.27	28.82 2.28 -2.81	31.94 2.08 -5.66	31.44 2.48 -3.33	32.87 2.46 -2.13	37.42 3.64 -0.42	46.30 4.29 0.00	42.02 1.89 0.00	39.04 1.93 0.00	40.60 2.51 -0.01	41.09 2.64 -0.16	40.52 2.65 -0.01	41.89 2.81 -0.01	41.63 2.80 -0.01	47.88 4.19 -2.22	59.19 4.89 -7.68	66.15 5.76 -7.06	61.94 4.87 -11.10	53.57 4.85 -8.59	49.95 4.08 -10.11	40.35 3.26 -6.32	36.84 2.60 -6.56	32.96 2.22 -3.96
SISSONVILLE___ 23735	12.27 -1.76 6.96	18.18 -1.77 0.64	22.12 -1.64 -0.02	13.11 -2.54 8.55	24.27 -1.36 0.00	27.29 -0.99 0.00	33.17 -0.20 0.00	42.44 0.42 0.00	40.26 0.12 0.00	37.33 0.22 0.00	38.00 -0.08 0.00	38.79 0.50 0.00	38.32 0.45 0.00	39.42 0.35 0.00	39.10 0.27 0.00	41.60 0.08 -0.05	45.69 -0.93 0.00	52.22 -1.12 0.00	45.41 -0.60 -0.04	39.11 -1.04 -0.03	35.05 -0.75 -0.03	29.17 -1.60 0.00	26.11 -1.58 -0.01	25.12 -1.66 -0.01
SITHE_IND_GS1 24169	20.89 -0.50 -0.40	20.36 -0.49 -0.26	23.20 -0.59 -0.06	23.61 -0.60 -0.01	24.93 -0.69 0.00	27.51 -0.76 0.00	32.27 -1.10 0.00	40.51 -1.51 0.00	38.69 -1.44 0.00	35.77 -1.33 0.00	36.71 -1.37 0.00	36.83 -1.45 0.00	36.47 -1.40 0.00	37.63 -1.44 0.00	37.39 -1.44 0.00	40.01 -1.58 -0.11	44.89 -1.72 0.00	51.37 -1.97 0.00	44.41 -1.65 -0.10	38.76 -1.44 -0.08	34.56 -1.29 -0.08	29.69 -1.08 0.00	26.76 -0.94 -0.02	26.04 -0.75 -0.01
SITHE_IND_GS2 24170	20.89 -0.50 -0.40	20.36 -0.49 -0.26	23.20 -0.59 -0.06	23.61 -0.60 -0.01	24.93 -0.69 0.00	27.51 -0.76 0.00	32.27 -1.10 0.00	40.51 -1.51 0.00	38.69 -1.44 0.00	35.77 -1.33 0.00	36.71 -1.37 0.00	36.83 -1.45 0.00	36.47 -1.40 0.00	37.63 -1.44 0.00	37.39 -1.44 0.00	40.01 -1.58 -0.11	44.89 -1.72 0.00	51.37 -1.97 0.00	44.41 -1.65 -0.10	38.76 -1.44 -0.08	34.56 -1.29 -0.08	29.69 -1.08 0.00	26.76 -0.94 -0.02	26.04 -0.75 -0.01
SITHE_IND_GS3 24171	20.89 -0.50 -0.40	20.36 -0.49 -0.26	23.20 -0.59 -0.06	23.61 -0.60 -0.01	24.93 -0.69 0.00	27.51 -0.76 0.00	32.27 -1.10 0.00	40.51 -1.51 0.00	38.69 -1.44 0.00	35.77 -1.33 0.00	36.71 -1.37 0.00	36.83 -1.45 0.00	36.47 -1.40 0.00	37.63 -1.44 0.00	37.39 -1.44 0.00	40.01 -1.58 -0.11	44.89 -1.72 0.00	51.37 -1.97 0.00	44.41 -1.65 -0.10	38.76 -1.44 -0.08	34.56 -1.29 -0.08	29.69 -1.08 0.00	26.76 -0.94 -0.02	26.04 -0.75 -0.01
SITHE_IND_GS4 24172	20.89 -0.50 -0.40	20.36 -0.49 -0.26	23.20 -0.59 -0.06	23.61 -0.60 -0.01	24.93 -0.69 0.00	27.51 -0.76 0.00	32.27 -1.10 0.00	40.51 -1.51 0.00	38.69 -1.44 0.00	35.77 -1.33 0.00	36.71 -1.37 0.00	36.83 -1.45 0.00	36.47 -1.40 0.00	37.63 -1.44 0.00	37.39 -1.44 0.00	40.01 -1.58 -0.11	44.89 -1.72 0.00	51.37 -1.97 0.00	44.41 -1.65 -0.10	38.76 -1.44 -0.08	34.56 -1.29 -0.08	29.69 -1.08 0.00	26.76 -0.94 -0.02	26.04 -0.75 -0.01

SITHE___BATAVIA 24024	21.18 -0.67 -0.86	20.49 -0.66 -0.56	22.88 -0.97 -0.13	23.34 -0.90 -0.03	24.86 -0.77 0.00	27.48 -0.79 0.00	32.40 -0.97 0.00	40.42 -1.60 0.00	38.41 -1.72 0.00	35.40 -1.71 0.00	36.44 -1.64 0.00	35.84 -2.45 0.00	35.44 -2.42 0.00	36.69 -2.38 0.00	36.38 -2.44 0.00	38.78 -2.90 -0.21	43.96 -2.66 0.00	50.41 -2.93 -0.01	43.72 -2.44 -0.19	38.27 -2.01 -0.15	34.14 -1.79 -0.16	29.76 -1.01 0.00	26.50 -1.22 -0.04	25.68 -1.12 -0.03
SITHE___INDEPEND 23800	20.89 -0.50 -0.40	20.36 -0.49 -0.26	23.20 -0.59 -0.06	23.61 -0.61 -0.01	24.93 -0.69 0.00	27.51 -0.76 0.00	32.23 -1.13 0.00	40.50 -1.51 0.00	38.69 -1.44 0.00	35.77 -1.34 0.00	36.67 -1.41 0.00	36.83 -1.45 0.00	36.47 -1.40 0.00	37.63 -1.45 0.00	37.39 -1.44 0.00	40.01 -1.58 -0.11	44.89 -1.72 0.00	51.31 -2.03 0.00	44.37 -1.70 -0.10	38.76 -1.44 -0.08	34.56 -1.29 -0.08	29.70 -1.08 0.00	26.76 -0.94 -0.02	26.01 -0.78 -0.01
SITHE___MASSENA 23902	10.68 -1.87 8.44	17.91 -1.87 0.81	22.02 -1.73 -0.02	11.20 -2.71 10.29	24.09 -1.54 0.00	27.06 -1.21 0.00	32.90 -0.47 0.00	42.06 0.04 0.00	39.90 -0.24 0.00	37.07 -0.04 0.00	37.70 -0.38 0.00	38.52 0.23 0.00	38.06 0.19 0.00	39.15 0.08 0.00	38.83 0.00 0.00	41.30 -0.21 -0.04	45.31 -1.31 0.00	51.63 -1.71 0.00	44.35 -1.65 -0.03	38.74 -1.41 -0.03	34.65 -1.15 -0.03	28.89 -1.88 0.00	25.64 -2.05 -0.01	24.96 -1.82 0.00
SITHE___OGDNSBRG 24021	11.82 -1.64 7.54	18.22 -1.67 0.70	22.26 -1.50 -0.02	12.51 -2.47 9.22	24.42 -1.20 0.00	27.48 -0.79 0.00	33.53 0.17 0.00	42.98 0.97 0.00	40.62 0.48 0.00	37.63 0.52 0.00	38.23 0.15 0.00	39.02 0.73 0.00	38.51 0.64 0.00	39.62 0.55 0.00	39.29 0.47 0.00	41.89 0.37 -0.04	46.06 -0.56 0.00	52.75 -0.59 0.00	45.96 -0.05 -0.04	39.59 -0.56 -0.03	35.48 -0.32 -0.03	29.48 -1.29 0.00	26.33 -1.36 -0.01	25.34 -1.45 0.00
SITHE___STERLING 23777	21.43 0.38 -0.06	21.18 0.37 -0.22	24.19 0.40 -0.06	24.28 0.46 0.38	26.29 0.67 0.00	29.04 0.76 0.00	34.43 1.07 0.00	43.45 1.43 0.00	41.42 1.28 0.00	38.22 1.11 0.00	39.18 1.10 0.00	39.44 1.15 0.00	39.08 1.21 0.00	40.32 1.25 0.00	40.03 1.20 0.00	42.87 1.29 -0.11	48.11 1.49 0.00	55.10 1.76 0.00	47.44 1.38 -0.10	41.36 1.16 -0.07	36.88 1.04 -0.08	31.63 0.86 0.00	28.33 0.64 -0.02	27.38 0.59 -0.01
SLEIGHT__34_KV_TB1 80719	21.30 -0.44 -0.75	20.64 -0.43 -0.49	23.25 -0.59 -0.11	23.65 -0.58 -0.02	24.96 -0.67 0.00	27.57 -0.71 0.00	32.50 -0.87 0.00	40.71 -1.30 0.00	38.93 -1.20 0.00	36.07 -1.04 0.00	36.82 -1.26 0.00	36.91 -1.38 0.00	36.54 -1.33 0.00	37.74 -1.33 0.00	37.47 -1.36 0.00	40.19 -1.49 -0.21	45.08 -1.54 0.00	51.58 -1.76 -0.01	44.68 -1.47 -0.19	39.11 -1.16 -0.15	34.85 -1.07 -0.16	29.94 -0.83 0.00	27.07 -0.64 -0.03	26.03 -0.78 -0.02
SOUTH CAIRO___GT 23612	28.56 0.73 -6.84	25.79 0.74 -4.46	25.60 0.88 -0.99	25.31 0.90 -0.21	26.50 0.87 0.00	29.29 1.02 0.00	34.73 1.37 0.00	43.82 1.81 0.00	41.82 1.69 0.00	38.41 1.30 0.00	39.49 1.41 0.00	39.63 1.34 0.00	39.04 1.17 0.00	40.32 1.25 0.00	40.23 1.40 0.00	45.00 1.66 -1.86	48.72 2.10 0.00	56.17 2.77 -0.06	49.99 2.34 -1.67	43.33 1.89 -1.32	38.88 1.72 -1.39	32.22 1.45 0.00	29.27 1.30 -0.29	28.03 1.04 -0.21
SOUTH HAMPTN___IC 23720	31.64 2.20 -8.45	32.13 2.26 -9.27	29.06 2.51 -2.81	32.26 2.40 -5.66	31.70 2.74 -3.33	33.18 2.77 -2.13	37.79 4.00 -0.42	46.80 4.79 0.00	42.71 2.57 0.00	39.67 2.56 0.00	41.29 3.20 -0.01	41.82 3.37 -0.16	41.21 3.33 -0.01	42.60 3.52 -0.01	42.33 3.50 -0.01	48.50 4.81 -2.22	59.89 5.59 -7.68	66.94 6.56 -7.05	62.63 5.56 -11.10	54.04 5.34 -8.58	50.38 4.51 -10.10	40.78 3.69 -6.32	37.20 2.96 -6.56	33.34 2.60 -3.96
SOUTHDOW_115KV_TB1 355954	20.72 -1.34 -1.07	20.07 -1.21 -0.70	22.44 -1.45 -0.16	23.27 -0.97 -0.03	25.57 -0.05 0.00	28.44 0.17 0.00	33.77 0.40 0.00	41.72 -0.29 0.00	39.82 -0.32 0.00	36.70 -0.41 0.00	37.47 -0.61 0.00	37.41 -0.88 0.00	37.07 -0.80 0.00	38.29 -0.78 0.00	37.86 -0.97 0.00	39.99 -1.74 -0.25	45.87 -0.75 0.00	52.49 -0.85 -0.01	44.54 -1.65 -0.23	38.74 -1.56 -0.18	34.45 -1.50 -0.19	30.56 -0.22 0.00	26.76 -0.97 -0.05	25.58 -1.23 -0.03
SOUTHOLD_69_KV_BK 2 55809	31.91 2.48 -8.45	32.39 2.53 -9.27	29.37 2.82 -2.81	32.65 2.78 -5.66	32.06 3.10 -3.33	33.57 3.17 -2.13	38.26 4.47 -0.42	47.52 5.50 0.00	44.11 3.97 0.00	40.26 3.15 0.00	42.12 4.04 -0.01	42.55 4.10 -0.16	41.89 4.01 -0.01	43.34 4.26 -0.01	43.07 4.23 -0.01	49.25 5.56 -2.22	60.78 6.48 -7.68	67.96 7.57 -7.05	63.46 6.39 -11.10	54.73 6.02 -8.58	50.98 5.11 -10.10	41.31 4.22 -6.32	37.56 3.32 -6.56	33.74 3.00 -3.96
SOUTHOLD___IC 23719	31.91 2.48 -8.45	32.39 2.53 -9.27	29.36 2.82 -2.81	32.62 2.76 -5.66	32.05 3.10 -3.33	33.57 3.17 -2.13	38.26 4.47 -0.42	47.48 5.46 0.00	43.39 3.25 0.00	40.30 3.19 0.00	42.05 3.96 -0.01	42.55 4.10 -0.16	41.89 4.01 -0.01	43.34 4.26 -0.01	43.03 4.19 -0.01	49.21 5.52 -2.22	60.77 6.48 -7.68	67.91 7.52 -7.05	63.45 6.39 -11.10	54.77 6.06 -8.58	50.98 5.11 -10.10	41.31 4.22 -6.32	37.64 3.40 -6.56	33.72 2.97 -3.96
SOUTH_FORK_WT_PWR 323839	31.96 2.52 -8.45	32.43 2.57 -9.27	29.39 2.85 -2.81	32.67 2.81 -5.66	32.11 3.15 -3.33	33.63 3.22 -2.13	38.32 4.54 -0.42	47.56 5.55 0.00	43.47 3.33 0.00	40.37 3.27 0.00	42.12 4.03 -0.01	42.63 4.17 -0.16	41.97 4.09 -0.01	43.42 4.34 -0.01	43.11 4.27 -0.01	49.29 5.60 -2.22	60.87 6.57 -7.68	68.01 7.63 -7.05	63.59 6.52 -11.10	54.85 6.14 -8.58	51.05 5.18 -10.10	41.34 4.25 -6.32	37.67 3.43 -6.56	33.77 3.03 -3.96
SPIERFLS_115KV_TB 1 80737	29.67 1.43 -7.25	26.65 1.34 -4.73	26.28 1.50 -1.05	25.95 1.52 -0.22	27.26 1.64 0.00	30.17 1.89 0.00	35.80 2.44 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.08 2.97 0.00	41.47 3.39 0.00	41.47 3.18 0.00	40.82 2.95 0.00	42.12 3.05 0.00	41.86 3.03 0.00	46.65 3.19 -1.98	50.30 3.68 0.00	57.72 4.32 -0.07	51.33 3.59 -1.78	44.49 2.97 -1.40	40.00 2.75 -1.48	33.02 2.25 0.00	29.93 1.94 -0.31	28.71 1.71 -0.22
ST LAWRENCE____ 23600	10.10 -2.06 8.83	17.67 -2.06 0.86	21.80 -1.95 -0.02	10.62 -2.83 10.75	23.83 -1.79 0.00	26.78 -1.50 0.00	32.43 -0.93 0.00	41.43 -0.59 0.00	39.37 -0.76 0.00	36.55 -0.56 0.00	37.20 -0.87 0.00	37.98 -0.31 0.00	37.53 -0.34 0.00	38.60 -0.47 0.00	38.32 -0.51 0.00	40.76 -0.75 -0.03	44.71 -1.91 0.00	50.88 -2.45 0.00	43.75 -2.25 -0.03	38.26 -1.89 -0.02	34.18 -1.61 -0.02	28.59 -2.18 0.00	25.36 -2.32 -0.01	24.72 -2.06 0.00
STATE_CA_115KV_115_LB 55624	28.62 0.50 -7.12	25.75 0.51 -4.64	25.38 0.62 -1.03	25.03 0.61 -0.22	26.14 0.51 0.00	28.84 0.57 0.00	34.10 0.73 0.00	43.07 1.05 0.00	41.18 1.04 0.00	38.11 1.00 0.00	39.26 1.18 0.00	39.48 1.19 0.00	38.96 1.10 0.00	40.24 1.17 0.00	40.03 1.20 0.00	44.70 1.29 -1.94	48.02 1.40 0.00	55.05 1.65 -0.07	49.09 1.38 -1.74	42.66 1.16 -1.37	38.29 1.07 -1.45	31.66 0.89 0.00	28.82 0.83 -0.31	27.67 0.67 -0.22

STATE_ST_34_KV_LOAD 55959	21.78 -0.02 -0.81	21.10 -0.02 -0.53	23.80 -0.05 -0.12	24.23 0.00 -0.02	25.65 0.03 0.00	28.33 0.06 0.00	33.40 0.03 0.00	41.97 -0.04 0.00	40.10 -0.04 0.00	37.11 0.00 0.00	37.89 -0.19 0.00	38.06 -0.23 0.00	37.64 -0.23 0.00	38.84 -0.23 0.00	38.63 -0.19 0.00	41.37 -0.33 -0.22	46.48 -0.14 0.00	53.24 -0.11 -0.01	46.08 -0.09 -0.20	40.24 -0.04 -0.16	35.86 -0.07 -0.17	30.77 0.00 0.00	27.60 -0.11 -0.04	26.70 -0.11 -0.02
STATION 5_MISC_HYD 23604	21.29 -0.46 -0.76	20.63 -0.45 -0.49	23.18 -0.66 -0.11	23.55 -0.68 -0.02	24.80 -0.82 0.00	27.40 -0.88 0.00	32.23 -1.13 0.00	40.33 -1.68 0.00	38.49 -1.65 0.00	35.59 -1.52 0.00	36.59 -1.49 0.00	36.30 -1.99 0.00	35.94 -1.93 0.00	37.16 -1.91 0.00	36.89 -1.94 0.00	39.53 -2.16 -0.21	44.43 -2.19 0.00	50.84 -2.51 -0.01	44.18 -1.98 -0.19	38.67 -1.61 -0.15	34.49 -1.43 -0.16	29.73 -1.05 0.00	26.55 -1.16 -0.03	25.94 -0.86 -0.02
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	21.49 -0.27 -0.77	20.84 -0.25 -0.50	23.44 -0.40 -0.11	23.86 -0.36 -0.02	25.24 -0.38 0.00	27.91 -0.37 0.00	32.90 -0.47 0.00	41.18 -0.84 0.00	39.34 -0.80 0.00	36.48 -0.63 0.00	37.20 -0.88 0.00	37.29 -1.00 0.00	36.88 -0.98 0.00	38.09 -0.98 0.00	37.82 -1.01 0.00	40.53 -1.16 -0.21	45.55 -1.07 0.00	52.17 -1.17 -0.01	45.10 -1.06 -0.19	39.47 -0.80 -0.15	35.21 -0.72 -0.16	30.28 -0.49 0.00	27.32 -0.39 -0.03	26.27 -0.54 -0.02
STA_56_34_KV_BUS2_REV_LBMP_B 345033	21.20 -0.55 -0.75	20.54 -0.54 -0.49	23.08 -0.76 -0.11	23.45 -0.77 -0.02	24.70 -0.92 0.00	27.29 -0.99 0.00	32.13 -1.23 0.00	40.08 -1.93 0.00	38.33 -1.81 0.00	35.51 -1.60 0.00	36.21 -1.87 0.00	36.26 -2.03 0.00	35.90 -1.97 0.00	37.12 -1.95 0.00	36.81 -2.02 0.00	39.53 -2.16 -0.21	44.33 -2.28 0.00	50.73 -2.61 -0.01	43.99 -2.16 -0.19	38.59 -1.69 -0.15	34.38 -1.54 -0.16	29.60 -1.17 0.00	26.91 -0.80 -0.03	25.81 -0.99 -0.02
STA_56___34_KV_BUS2 355983	21.20 -0.55 -0.75	20.54 -0.54 -0.49	23.08 -0.76 -0.11	23.45 -0.77 -0.02	24.70 -0.92 0.00	27.29 -0.99 0.00	32.13 -1.23 0.00	40.08 -1.93 0.00	38.33 -1.81 0.00	35.51 -1.60 0.00	36.21 -1.87 0.00	36.26 -2.03 0.00	35.90 -1.97 0.00	37.12 -1.95 0.00	36.81 -2.02 0.00	39.53 -2.16 -0.21	44.33 -2.28 0.00	50.73 -2.61 -0.01	43.99 -2.16 -0.19	38.59 -1.69 -0.15	34.38 -1.54 -0.16	29.60 -1.17 0.00	26.91 -0.80 -0.03	25.81 -0.99 -0.02
STA_67___115KV_BK2 355882	21.27 -0.48 -0.76	20.61 -0.47 -0.49	23.13 -0.71 -0.11	23.50 -0.73 -0.02	24.75 -0.87 0.00	27.34 -0.93 0.00	32.20 -1.17 0.00	40.08 -1.93 0.00	38.33 -1.81 0.00	35.48 -1.63 0.00	36.17 -1.90 0.00	36.22 -2.07 0.00	35.86 -2.01 0.00	37.08 -1.99 0.00	36.73 -2.10 0.00	39.49 -2.20 -0.21	44.29 -2.33 0.00	50.73 -2.61 -0.01	44.00 -2.16 -0.19	38.59 -1.69 -0.15	34.39 -1.54 -0.16	29.63 -1.14 0.00	26.96 -0.75 -0.03	25.86 -0.94 -0.02
STA_7___115KV_9TRANS 80674	21.35 -0.40 -0.76	20.69 -0.39 -0.49	23.25 -0.59 -0.11	23.62 -0.61 -0.02	24.88 -0.74 0.00	27.51 -0.76 0.00	32.36 -1.00 0.00	40.38 -1.64 0.00	38.61 -1.53 0.00	35.77 -1.34 0.00	36.44 -1.64 0.00	36.49 -1.80 0.00	36.12 -1.74 0.00	37.35 -1.72 0.00	37.04 -1.79 0.00	39.78 -1.91 -0.21	44.66 -1.96 0.00	51.16 -2.19 -0.01	44.32 -1.84 -0.19	38.87 -1.40 -0.15	34.64 -1.29 -0.16	29.85 -0.92 0.00	27.13 -0.58 -0.03	26.00 -0.80 -0.02
STA_82___115KV_TB1 80780	21.27 -0.48 -0.76	20.61 -0.47 -0.50	23.13 -0.71 -0.11	23.50 -0.73 -0.02	24.75 -0.87 0.00	27.37 -0.90 0.00	32.20 -1.17 0.00	40.13 -1.89 0.00	38.33 -1.81 0.00	35.51 -1.60 0.00	36.17 -1.90 0.00	36.22 -2.07 0.00	35.86 -2.01 0.00	37.08 -1.99 0.00	36.77 -2.06 0.00	39.49 -2.20 -0.21	44.33 -2.28 0.00	50.73 -2.61 -0.01	44.00 -2.16 -0.19	38.59 -1.69 -0.15	34.42 -1.50 -0.16	29.63 -1.14 0.00	26.96 -0.75 -0.03	25.87 -0.94 -0.02
STEEL___WIND 323596	20.75 -1.24 -1.00	20.03 -1.21 -0.65	22.34 -1.54 -0.15	22.88 -1.35 -0.03	24.83 -0.79 0.00	27.51 -0.76 0.00	32.43 -0.93 0.00	40.21 -1.81 0.00	38.17 -1.97 0.00	35.10 -2.00 0.00	36.25 -1.83 0.00	35.65 -2.64 0.00	35.29 -2.58 0.00	36.49 -2.58 0.00	36.19 -2.64 0.00	38.30 -3.40 -0.23	43.73 -2.89 0.00	49.99 -3.36 -0.01	42.86 -3.31 -0.21	37.40 -2.89 -0.16	33.33 -2.61 -0.17	29.51 -1.26 0.00	26.28 -1.44 -0.04	25.10 -1.71 -0.03
STEPHTWN_115KV_BK_2 55603	28.68 0.63 -7.06	25.83 0.64 -4.60	25.49 0.74 -1.02	25.17 0.75 -0.22	26.26 0.64 0.00	29.01 0.74 0.00	34.33 0.97 0.00	43.36 1.34 0.00	41.50 1.36 0.00	38.37 1.26 0.00	39.56 1.49 0.00	39.74 1.45 0.00	39.23 1.36 0.00	40.48 1.41 0.00	40.26 1.44 0.00	44.94 1.53 -1.93	48.39 1.77 0.00	55.53 2.13 -0.07	49.44 1.75 -1.73	42.97 1.48 -1.36	38.57 1.36 -1.44	31.88 1.11 0.00	29.01 1.02 -0.30	27.80 0.80 -0.22
STEUBEN_REC_LFGE 323667	21.39 -0.97 -1.36	20.68 -0.80 -0.89	23.10 -0.83 -0.20	23.76 -0.48 -0.04	25.78 0.15 0.00	28.61 0.34 0.00	33.97 0.60 0.00	42.18 0.17 0.00	40.14 0.00 0.00	37.07 -0.04 0.00	37.70 -0.38 0.00	37.64 -0.65 0.00	37.15 -0.72 0.00	38.29 -0.78 0.00	37.94 -0.89 0.00	40.34 -1.49 -0.35	45.87 -0.75 0.00	52.49 -0.85 -0.01	44.95 -1.33 -0.32	39.05 -1.32 -0.25	34.71 -1.32 -0.27	30.19 -0.58 0.00	26.63 -1.11 -0.06	25.54 -1.29 -0.04
STILLWATER___SOLAR 323814	29.41 1.20 -7.22	26.43 1.13 -4.71	26.04 1.26 -1.05	25.71 1.28 -0.22	26.96 1.33 0.00	29.83 1.55 0.00	35.30 1.93 0.00	44.54 2.52 0.00	42.67 2.53 0.00	39.45 2.34 0.00	40.67 2.59 0.00	40.85 2.57 0.00	40.29 2.43 0.00	41.57 2.50 0.00	41.32 2.49 0.00	46.10 2.66 -1.97	49.65 3.03 0.00	56.98 3.57 -0.07	50.72 2.99 -1.77	44.05 2.53 -1.39	39.53 2.29 -1.47	32.68 1.91 0.00	29.68 1.69 -0.31	28.47 1.47 -0.22
STONY___BROOK 24151	31.55 2.12 -8.44	31.95 2.10 -9.26	28.87 2.33 -2.81	32.18 2.32 -5.65	31.43 2.48 -3.33	33.03 2.63 -2.13	37.29 3.50 -0.42	46.05 4.03 0.00	42.83 2.69 0.00	39.82 2.71 0.00	41.36 3.28 -0.01	41.86 3.41 -0.16	41.28 3.41 -0.01	42.64 3.56 -0.01	42.37 3.53 -0.01	48.09 4.39 -2.22	59.39 5.08 -7.69	66.32 5.92 -7.07	62.14 5.06 -11.12	53.37 4.65 -8.60	49.86 3.97 -10.12	40.49 3.38 -6.33	37.22 2.99 -6.55	33.42 2.68 -3.96
STURGEON_POOL_HYD 23609	28.32 0.97 -6.36	25.68 0.95 -4.15	25.72 1.07 -0.92	25.49 1.09 -0.19	26.75 1.13 0.00	29.41 1.13 0.00	34.93 1.57 0.00	44.12 2.10 0.00	42.14 2.01 0.00	38.85 1.74 0.00	39.87 1.79 0.00	40.16 1.88 0.00	39.76 1.89 0.00	41.03 1.95 0.00	40.81 1.98 0.00	45.57 2.36 -1.73	49.32 2.70 0.00	56.54 3.15 -0.06	50.14 2.62 -1.56	43.68 2.33 -1.23	39.00 1.93 -1.30	32.50 1.72 0.00	29.48 1.52 -0.27	28.34 1.37 -0.19
ST_LAW_115_BK7_LBMP 345037	10.16 -2.08 8.75	17.66 -2.08 0.85	21.78 -1.97 -0.02	10.67 -2.88 10.65	23.81 -1.82 0.00	26.75 -1.53 0.00	32.43 -0.93 0.00	41.47 -0.55 0.00	39.37 -0.76 0.00	36.59 -0.52 0.00	37.24 -0.84 0.00	38.02 -0.27 0.00	37.56 -0.30 0.00	38.64 -0.43 0.00	38.32 -0.51 0.00	40.80 -0.71 -0.03	44.71 -1.91 0.00	50.88 -2.45 0.00	43.75 -2.25 -0.03	38.26 -1.89 -0.02	34.18 -1.61 -0.03	28.56 -2.22 0.00	25.33 -2.35 -0.01	24.69 -2.09 0.00

ST_LAW_115_BK8_LBMP 345038	10.16 -2.08 8.75	17.66 -2.08 0.85	21.78 -1.97 -0.02	10.67 -2.88 10.65	23.81 -1.82 0.00	26.75 -1.53 0.00	32.43 -0.93 0.00	41.47 -0.55 0.00	39.37 -0.76 0.00	36.59 -0.52 0.00	37.24 -0.84 0.00	38.02 -0.27 0.00	37.56 -0.30 0.00	38.64 -0.43 0.00	38.32 -0.51 0.00	40.80 -0.71 -0.03	44.71 -1.91 0.00	50.88 -2.45 0.00	43.75 -2.25 -0.03	38.26 -1.89 -0.02	34.18 -1.61 -0.03	28.56 -2.22 0.00	25.33 -2.35 -0.01	24.69 -2.09 0.00
ST_LAW_230_BK5_LBMP 345035	10.00 -2.06 8.94	17.66 -2.06 0.87	21.80 -1.95 -0.02	10.51 -2.83 10.87	23.83 -1.79 0.00	26.78 -1.50 0.00	32.43 -0.93 0.00	41.43 -0.59 0.00	39.37 -0.76 0.00	36.55 -0.56 0.00	37.20 -0.87 0.00	37.98 -0.31 0.00	37.53 -0.34 0.00	38.60 -0.47 0.00	38.32 -0.51 0.00	40.76 -0.75 -0.03	44.71 -1.91 0.00	50.88 -2.45 0.00	43.75 -2.25 -0.03	38.26 -1.89 -0.02	34.18 -1.61 -0.02	28.59 -2.18 0.00	25.36 -2.32 -0.01	24.72 -2.06 0.00
ST_LAW_230_BK6_LBMP 345036	10.00 -2.06 8.94	17.66 -2.06 0.87	21.80 -1.95 -0.02	10.51 -2.83 10.87	23.83 -1.79 0.00	26.78 -1.50 0.00	32.43 -0.93 0.00	41.43 -0.59 0.00	39.37 -0.76 0.00	36.55 -0.56 0.00	37.20 -0.87 0.00	37.98 -0.31 0.00	37.53 -0.34 0.00	38.60 -0.47 0.00	38.32 -0.51 0.00	40.76 -0.75 -0.03	44.71 -1.91 0.00	50.88 -2.45 0.00	43.75 -2.25 -0.03	38.26 -1.89 -0.02	34.18 -1.61 -0.02	28.59 -2.18 0.00	25.36 -2.32 -0.01	24.72 -2.06 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	28.21 1.22 -6.00	25.70 1.19 -3.91	25.91 1.31 -0.87	25.74 1.36 -0.18	26.98 1.36 0.00	29.75 1.47 0.00	35.37 2.00 0.00	44.66 2.65 0.00	42.71 2.57 0.00	39.34 2.23 0.00	40.40 2.32 0.00	40.66 2.37 0.00	40.25 2.39 0.00	41.53 2.46 0.00	41.31 2.48 0.00	45.97 2.86 -1.64	49.98 3.36 0.00	57.28 3.89 -0.06	50.70 3.26 -1.47	44.13 2.85 -1.16	39.39 2.40 -1.22	32.90 2.12 0.00	29.79 1.85 -0.26	28.60 1.63 -0.18
SWANROAD_115KV_TB1 355699	20.45 -1.47 -0.93	19.75 -1.44 -0.61	21.97 -1.90 -0.13	22.39 -1.84 -0.03	23.88 -1.74 0.00	26.38 -1.89 0.00	31.00 -2.37 0.00	38.02 -3.99 0.00	36.28 -3.85 0.00	33.51 -3.60 0.00	34.04 -4.04 0.00	33.92 -4.36 0.00	33.59 -4.28 0.00	34.73 -4.34 0.00	34.36 -4.47 0.00	36.79 -4.89 -0.21	41.63 -4.99 0.00	47.58 -5.76 -0.01	41.15 -5.01 -0.19	36.14 -4.13 -0.15	32.24 -3.68 -0.16	28.31 -2.46 0.00	25.64 -2.08 -0.04	24.61 -2.20 -0.03
SYNERGY___BIOGAS 323694	21.18 -0.67 -0.86	20.49 -0.66 -0.56	22.88 -0.97 -0.13	23.34 -0.90 -0.03	24.86 -0.77 0.00	27.48 -0.79 0.00	32.40 -0.97 0.00	40.42 -1.60 0.00	38.41 -1.72 0.00	35.40 -1.71 0.00	36.44 -1.64 0.00	35.84 -2.45 0.00	35.44 -2.42 0.00	36.69 -2.38 0.00	36.38 -2.44 0.00	38.78 -2.90 -0.21	43.96 -2.66 0.00	50.41 -2.93 -0.01	43.72 -2.44 -0.19	38.27 -2.01 -0.15	34.14 -1.79 -0.16	29.76 -1.01 0.00	26.50 -1.22 -0.04	25.68 -1.12 -0.03
SYRACUSE___ENERGY_ST1 323597	21.46 -0.04 -0.51	20.96 -0.04 -0.41	23.73 -0.09 -0.10	24.02 -0.02 0.16	25.57 -0.05 0.00	28.22 -0.06 0.00	33.20 -0.17 0.00	41.72 -0.29 0.00	39.86 -0.28 0.00	36.89 -0.22 0.00	37.77 -0.30 0.00	37.94 -0.34 0.00	37.56 -0.30 0.00	38.76 -0.31 0.00	38.52 -0.31 0.00	41.24 -0.41 -0.18	46.25 -0.37 0.00	52.91 -0.43 -0.01	45.76 -0.37 -0.16	39.97 -0.28 -0.13	35.65 -0.25 -0.13	30.59 -0.18 0.00	27.49 -0.22 -0.03	26.64 -0.16 -0.02
SYRACUSE___ENERGY_ST2 323598	21.46 -0.04 -0.51	20.96 -0.04 -0.41	23.73 -0.09 -0.10	24.02 -0.02 0.16	25.57 -0.05 0.00	28.22 -0.06 0.00	33.20 -0.17 0.00	41.72 -0.29 0.00	39.86 -0.28 0.00	36.89 -0.22 0.00	37.77 -0.30 0.00	37.94 -0.34 0.00	37.56 -0.30 0.00	38.76 -0.31 0.00	38.52 -0.31 0.00	41.24 -0.41 -0.18	46.25 -0.37 0.00	52.91 -0.43 -0.01	45.76 -0.37 -0.16	39.97 -0.28 -0.13	35.65 -0.25 -0.13	30.59 -0.18 0.00	27.49 -0.22 -0.03	26.64 -0.16 -0.02
SYRACUSE___POWER 24017	21.44 -0.08 -0.53	20.94 -0.08 -0.43	23.69 -0.14 -0.10	23.94 -0.10 0.17	25.52 -0.10 0.00	28.16 -0.11 0.00	33.17 -0.20 0.00	41.68 -0.34 0.00	39.82 -0.32 0.00	36.85 -0.26 0.00	37.70 -0.38 0.00	37.91 -0.38 0.00	37.49 -0.38 0.00	38.68 -0.39 0.00	38.44 -0.39 0.00	41.17 -0.50 -0.19	46.20 -0.42 0.00	52.86 -0.48 -0.01	45.68 -0.46 -0.17	39.94 -0.32 -0.13	35.59 -0.32 -0.14	30.56 -0.22 0.00	27.46 -0.25 -0.03	26.61 -0.19 -0.02
TALLMAN___138KV_BK151 55660	28.42 1.32 -6.11	25.87 1.30 -3.98	26.04 1.42 -0.89	25.87 1.48 -0.19	27.11 1.49 0.00	29.89 1.61 0.00	35.53 2.17 0.00	44.87 2.86 0.00	42.91 2.77 0.00	39.56 2.45 0.00	40.63 2.55 0.00	40.89 2.60 0.00	40.44 2.57 0.00	41.77 2.70 0.00	41.51 2.68 0.00	46.21 3.07 -1.66	50.26 3.64 0.00	57.61 4.21 -0.06	50.96 3.49 -1.49	44.39 3.09 -1.18	39.59 2.58 -1.25	33.05 2.28 0.00	29.94 1.99 -0.26	28.73 1.77 -0.19
TEALLAVE_115KV_TB7 355573	21.24 -0.15 -0.40	20.80 -0.14 -0.36	23.60 -0.21 -0.08	23.84 -0.17 0.20	25.42 -0.20 0.00	28.05 -0.23 0.00	33.00 -0.37 0.00	41.47 -0.55 0.00	39.62 -0.52 0.00	36.66 -0.45 0.00	37.54 -0.53 0.00	37.71 -0.57 0.00	37.34 -0.53 0.00	38.52 -0.55 0.00	38.28 -0.54 0.00	40.97 -0.66 -0.16	45.97 -0.65 0.00	52.54 -0.80 -0.01	45.42 -0.69 -0.14	39.71 -0.52 -0.11	35.42 -0.46 -0.12	30.40 -0.37 0.00	27.34 -0.36 -0.02	26.53 -0.27 -0.02
TELGRAPH_34_KV_EAST 80808	20.89 -0.99 -0.89	20.18 -0.99 -0.58	22.53 -1.33 -0.13	22.97 -1.26 -0.03	24.50 -1.13 0.00	27.09 -1.19 0.00	31.90 -1.47 0.00	39.33 -2.69 0.00	37.53 -2.61 0.00	34.70 -2.41 0.00	35.26 -2.82 0.00	35.11 -3.18 0.00	34.76 -3.11 0.00	35.95 -3.13 0.00	35.57 -3.26 0.00	38.08 -3.61 -0.21	43.08 -3.54 0.00	49.29 -4.05 -0.01	42.66 -3.49 -0.19	37.47 -2.81 -0.15	33.35 -2.58 -0.16	29.20 -1.57 0.00	26.39 -1.33 -0.04	25.28 -1.53 -0.03
TEMPLE___115KV_TB 2 55572	21.28 -0.13 -0.41	20.81 -0.14 -0.36	23.63 -0.19 -0.08	23.87 -0.15 0.19	25.44 -0.18 0.00	28.08 -0.20 0.00	33.03 -0.33 0.00	41.47 -0.55 0.00	39.66 -0.48 0.00	36.70 -0.41 0.00	37.58 -0.50 0.00	37.75 -0.54 0.00	37.37 -0.49 0.00	38.56 -0.51 0.00	38.32 -0.50 0.00	40.97 -0.66 -0.16	45.97 -0.65 0.00	52.59 -0.75 -0.01	45.42 -0.69 -0.14	39.72 -0.52 -0.11	35.42 -0.46 -0.12	30.43 -0.34 0.00	27.37 -0.33 -0.03	26.53 -0.27 -0.02
TIANA____69_KV_BK 1 55817	31.58 2.14 -8.45	32.06 2.20 -9.27	28.99 2.44 -2.81	32.19 2.32 -5.66	31.62 2.66 -3.33	33.09 2.69 -2.13	37.65 3.87 -0.42	46.68 4.66 0.00	43.31 3.17 0.00	39.52 2.41 0.00	41.25 3.16 -0.01	41.67 3.22 -0.16	41.06 3.18 -0.01	42.44 3.36 -0.01	42.21 3.38 -0.01	48.34 4.65 -2.22	59.70 5.41 -7.68	66.73 6.35 -7.05	62.40 5.33 -11.10	53.84 5.14 -8.58	50.23 4.36 -10.10	40.69 3.60 -6.32	37.06 2.82 -6.56	33.26 2.52 -3.96
TILDEN___115KV_TB1 80814	21.44 -0.08 -0.53	20.94 -0.08 -0.43	23.69 -0.14 -0.10	23.94 -0.10 0.17	25.52 -0.10 0.00	28.16 -0.11 0.00	33.17 -0.20 0.00	41.68 -0.34 0.00	39.82 -0.32 0.00	36.85 -0.26 0.00	37.70 -0.38 0.00	37.91 -0.38 0.00	37.49 -0.38 0.00	38.68 -0.39 0.00	38.44 -0.39 0.00	41.17 -0.50 -0.19	46.20 -0.42 0.00	52.86 -0.48 -0.01	45.68 -0.46 -0.17	39.94 -0.32 -0.13	35.59 -0.32 -0.14	30.56 -0.22 0.00	27.46 -0.25 -0.03	26.61 -0.19 -0.02

TRIGEN__CC 323695	30.93 1.83 -8.11	30.88 1.79 -8.50	28.23 1.97 -2.52	31.08 2.03 -4.85	30.53 2.08 -2.84	32.35 2.26 -1.81	36.66 2.94 -0.35	45.59 3.57 0.00	43.31 3.17 0.00	39.93 2.82 0.00	41.40 3.31 -0.01	41.82 3.29 -0.23	41.21 3.33 -0.01	42.48 3.40 -0.01	42.26 3.42 -0.01	47.82 3.90 -2.45	62.05 4.43 -11.00	68.59 5.17 -10.08	65.53 4.32 -15.25	55.52 3.89 -11.50	52.60 3.33 -13.50	42.78 2.95 -9.05	35.96 2.66 -5.63	32.59 2.41 -3.40
TRINITY__115KV__ 4 BK 55933	28.53 0.46 -7.07	25.67 0.47 -4.61	25.30 0.55 -1.03	24.98 0.56 -0.22	26.06 0.44 0.00	28.76 0.48 0.00	34.00 0.63 0.00	42.94 0.92 0.00	41.06 0.92 0.00	37.96 0.85 0.00	39.11 1.03 0.00	39.32 1.03 0.00	38.85 0.98 0.00	40.09 1.02 0.00	39.84 1.01 0.00	44.52 1.12 -1.93	47.83 1.21 0.00	54.84 1.44 -0.07	48.90 1.20 -1.73	42.49 1.00 -1.36	38.14 0.93 -1.44	31.57 0.80 0.00	28.73 0.75 -0.30	27.58 0.59 -0.22
UNION__PROCESSING_DRP 323587	21.27 -0.48 -0.76	20.61 -0.47 -0.50	23.15 -0.69 -0.11	23.50 -0.73 -0.02	24.78 -0.85 0.00	27.37 -0.90 0.00	32.20 -1.17 0.00	40.13 -1.89 0.00	38.33 -1.81 0.00	35.51 -1.60 0.00	36.21 -1.87 0.00	36.22 -2.07 0.00	35.86 -2.01 0.00	37.08 -1.99 0.00	36.77 -2.06 0.00	39.49 -2.20 -0.21	44.33 -2.28 0.00	50.73 -2.61 -0.01	44.00 -2.16 -0.19	38.63 -1.65 -0.15	34.42 -1.50 -0.16	29.66 -1.11 0.00	26.96 -0.75 -0.03	25.89 -0.91 -0.02
UPPER HUDSON__HYD 24058	29.67 1.43 -7.25	26.65 1.34 -4.73	26.28 1.50 -1.05	25.95 1.53 -0.22	27.27 1.64 0.00	30.17 1.89 0.00	35.77 2.40 0.00	45.17 3.15 0.00	43.35 3.21 0.00	40.08 2.97 0.00	41.39 3.31 0.00	41.46 3.18 0.00	40.82 2.96 0.00	42.12 3.05 0.00	41.86 3.03 0.00	46.60 3.15 -1.98	50.30 3.68 0.00	57.72 4.32 -0.07	51.33 3.59 -1.78	44.49 2.97 -1.40	40.00 2.75 -1.48	32.99 2.22 0.00	29.99 1.99 -0.31	28.72 1.72 -0.22
UPPER RAQUET__HYD 24056	12.27 -1.76 6.96	18.18 -1.77 0.64	22.12 -1.64 -0.02	13.12 -2.54 8.55	24.26 -1.36 0.00	27.28 -0.99 0.00	33.17 -0.20 0.00	42.44 0.42 0.00	40.26 0.12 0.00	37.33 0.22 0.00	38.00 -0.08 0.00	38.78 0.50 0.00	38.32 0.46 0.00	39.42 0.35 0.00	39.10 0.27 0.00	41.60 0.08 -0.05	45.69 -0.93 0.00	52.16 -1.17 0.00	44.77 -1.24 -0.04	39.11 -1.04 -0.03	34.98 -0.82 -0.03	29.17 -1.60 0.00	25.83 -1.85 -0.01	25.12 -1.66 -0.01
VALLEY44_115KV_TB2 355964	20.40 -1.70 -1.11	19.64 -1.67 -0.72	21.83 -2.06 -0.16	22.62 -1.62 -0.03	25.34 -0.28 0.00	28.13 -0.14 0.00	33.37 0.00 0.00	41.13 -0.88 0.00	39.05 -1.08 0.00	35.77 -1.34 0.00	36.44 -1.64 0.00	36.30 -1.99 0.00	35.94 -1.93 0.00	37.08 -1.99 0.00	36.69 -2.14 0.00	38.46 -3.28 -0.26	44.80 -1.82 0.00	51.32 -2.03 -0.01	43.12 -3.08 -0.24	37.30 -3.01 -0.19	33.21 -2.75 -0.20	29.94 -0.83 0.00	25.65 -2.08 -0.05	24.72 -2.09 -0.03
VALLEY__115KV_TB 1-4 80826	20.79 -0.29 -0.09	20.40 -0.25 -0.06	23.51 -0.24 -0.01	24.06 -0.15 0.00	25.68 0.05 0.00	28.47 0.20 0.00	33.73 0.37 0.00	42.56 0.55 0.00	40.66 0.52 0.00	37.63 0.52 0.00	38.61 0.53 0.00	38.90 0.61 0.00	38.47 0.61 0.00	39.70 0.63 0.00	39.37 0.54 0.00	42.04 0.54 -0.02	47.08 0.47 0.00	53.87 0.53 0.00	46.31 0.32 -0.02	40.34 0.20 -0.02	35.93 0.14 -0.02	30.83 0.06 0.00	27.71 0.03 0.00	26.78 0.00 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	24.72 0.97 -2.76	23.36 0.97 -1.80	25.22 1.09 -0.40	25.45 1.16 -0.08	26.96 1.33 0.00	29.72 1.44 0.00	35.27 1.90 0.00	44.58 2.56 0.00	42.59 2.45 0.00	39.30 2.19 0.00	40.36 2.28 0.00	40.66 2.37 0.00	40.29 2.42 0.00	41.61 2.54 0.00	41.27 2.45 0.00	44.92 2.70 -0.75	49.70 3.08 0.00	56.93 3.57 -0.03	49.49 2.85 -0.67	43.10 2.45 -0.53	38.51 2.18 -0.56	32.71 1.94 0.00	29.35 1.55 -0.12	28.28 1.42 -0.08
VISCHER__FERRY HYD 24020	29.10 0.97 -7.14	26.17 0.93 -4.65	25.79 1.02 -1.04	25.46 1.04 -0.22	26.65 1.03 0.00	29.46 1.19 0.00	34.83 1.47 0.00	43.91 1.89 0.00	42.02 1.89 0.00	38.89 1.78 0.00	39.98 1.90 0.00	40.24 1.95 0.00	39.76 1.89 0.00	40.99 1.91 0.00	40.77 1.94 0.00	45.46 2.03 -1.95	48.90 2.28 0.00	56.17 2.77 -0.07	50.01 2.30 -1.75	43.51 2.01 -1.38	39.05 1.82 -1.46	32.31 1.54 0.00	29.40 1.41 -0.31	28.23 1.23 -0.22
V_A_10_SYNC_DSASP 323832	20.94 -0.88 -0.83	20.27 -0.86 -0.54	22.64 -1.21 -0.12	23.02 -1.21 -0.03	24.24 -1.38 0.00	26.78 -1.50 0.00	31.47 -1.90 0.00	39.03 -2.98 0.00	37.13 -3.01 0.00	34.25 -2.86 0.00	35.30 -2.78 0.00	34.84 -3.45 0.00	34.50 -3.37 0.00	35.63 -3.44 0.00	35.37 -3.46 0.00	37.91 -3.82 -0.25	42.66 -3.96 0.00	48.76 -4.59 -0.01	42.47 -3.72 -0.22	37.25 -3.05 -0.18	33.27 -2.68 -0.19	28.83 -1.94 0.00	25.78 -1.94 -0.04	25.31 -1.50 -0.03
V_CMM_10_SYNC_DSASP 323787	10.27 -1.97 8.75	17.75 -2.00 0.85	21.87 -1.88 -0.02	10.75 -2.81 10.65	23.91 -1.72 0.00	26.89 -1.38 0.00	32.63 -0.73 0.00	41.68 -0.34 0.00	39.58 -0.56 0.00	36.77 -0.33 0.00	37.43 -0.65 0.00	38.25 -0.04 0.00	37.79 -0.08 0.00	38.88 -0.19 0.00	38.56 -0.27 0.00	41.01 -0.50 -0.03	44.94 -1.68 0.00	51.20 -2.14 0.00	43.98 -2.02 -0.03	38.46 -1.68 -0.02	34.40 -1.40 -0.03	28.71 -2.06 0.00	25.47 -2.22 -0.01	24.80 -1.98 0.00
V_CMP_10_SYNC_DSASP 323788	10.17 -2.14 8.68	17.59 -2.16 0.84	21.80 -1.95 -0.02	10.64 -3.00 10.56	24.06 -1.56 0.00	27.20 -1.07 0.00	32.77 -0.60 0.00	42.02 0.00 0.00	39.94 -0.20 0.00	37.15 0.04 0.00	37.70 -0.38 0.00	38.56 0.27 0.00	38.13 0.27 0.00	39.15 0.08 0.00	38.83 0.00 0.00	41.18 -0.33 -0.03	44.57 -2.05 0.00	50.62 -2.72 0.00	43.29 -2.71 -0.03	38.26 -1.89 -0.02	34.26 -1.54 -0.03	28.74 -2.03 0.00	25.44 -2.24 -0.01	24.77 -2.01 0.00
V_D_10_SYNC_DSASP 323841	10.66 -1.87 8.47	17.90 -1.87 0.81	22.02 -1.73 -0.02	11.18 -2.71 10.32	24.09 -1.54 0.00	27.06 -1.21 0.00	32.87 -0.50 0.00	42.06 0.04 0.00	39.90 -0.24 0.00	37.03 -0.07 0.00	37.70 -0.38 0.00	38.52 0.23 0.00	38.06 0.19 0.00	39.15 0.08 0.00	38.83 0.00 0.00	41.30 -0.21 -0.04	45.31 -1.31 0.00	51.63 -1.71 0.00	44.35 -1.65 -0.03	38.74 -1.41 -0.03	34.65 -1.15 -0.03	28.89 -1.88 0.00	25.64 -2.05 -0.01	24.96 -1.82 0.00
V_E_10_SYNC_DSASP 323830	24.25 1.28 -1.97	23.15 1.28 -1.29	25.42 1.40 -0.29	25.89 1.62 -0.06	27.65 2.02 0.00	30.65 2.38 0.00	36.60 3.24 0.00	46.39 4.37 0.00	44.07 3.94 0.00	40.56 3.45 0.00	41.58 3.50 0.00	41.89 3.60 0.00	41.54 3.67 0.00	42.94 3.87 0.00	42.52 3.69 0.00	45.99 3.98 -0.53	51.38 4.76 0.00	59.00 5.65 -0.02	51.00 4.55 -0.48	44.31 3.81 -0.38	39.57 3.40 -0.40	33.73 2.95 0.00	30.03 2.27 -0.09	28.85 2.01 -0.06
V_F_30_NSYNC__DSASP 323816	29.42 1.20 -7.24	26.46 1.15 -4.72	26.06 1.28 -1.05	25.73 1.31 -0.22	26.98 1.36 0.00	29.83 1.55 0.00	35.33 1.97 0.00	44.54 2.52 0.00	42.71 2.57 0.00	39.49 2.38 0.00	40.70 2.63 0.00	40.89 2.60 0.00	40.33 2.46 0.00	41.61 2.54 0.00	41.35 2.52 0.00	46.14 2.69 -1.97	49.69 3.08 0.00	57.03 3.63 -0.07	50.73 2.99 -1.77	44.05 2.53 -1.40	39.57 2.32 -1.48	32.68 1.91 0.00	29.71 1.72 -0.31	28.50 1.50 -0.22





WEST BABYLON___IC 23714	31.53 2.16 -8.38	31.82 2.12 -9.11	28.83 2.35 -2.75	32.12 2.42 -5.49	31.37 2.51 -3.23	33.06 2.71 -2.07	37.34 3.57 -0.41	46.13 4.12 0.00	43.59 3.45 0.00	40.11 3.01 0.00	41.74 3.66 -0.01	42.14 3.68 -0.17	41.59 3.71 -0.01	42.91 3.83 -0.01	42.68 3.84 -0.01	48.24 4.52 -2.25	59.80 5.13 -8.05	66.70 5.97 -7.40	62.60 5.06 -11.57	53.61 4.57 -8.91	50.25 4.01 -10.48	40.97 3.57 -6.63	37.15 3.10 -6.37	33.47 2.84 -3.85
WEST CANADA___HYD 24049	21.08 0.00 -0.09	20.65 0.00 -0.06	23.77 0.02 -0.01	24.21 0.00 0.00	25.68 0.05 0.00	28.33 0.06 0.00	33.50 0.13 0.00	42.23 0.21 0.00	40.30 0.16 0.00	37.26 0.15 0.00	38.23 0.15 0.00	38.48 0.19 0.00	38.06 0.19 0.00	39.27 0.20 0.00	39.02 0.20 0.00	41.71 0.21 -0.02	46.81 0.19 0.00	53.55 0.21 0.00	46.17 0.18 -0.02	40.30 0.16 -0.02	35.93 0.14 -0.02	30.86 0.09 0.00	27.77 0.08 0.00	26.84 0.05 0.00
WESTERN_NY_WIND 24143	21.15 -0.71 -0.87	20.46 -0.70 -0.57	22.86 -1.00 -0.13	23.29 -0.94 -0.03	24.80 -0.82 0.00	27.46 -0.82 0.00	32.36 -1.00 0.00	40.08 -1.93 0.00	38.25 -1.89 0.00	35.33 -1.78 0.00	35.91 -2.17 0.00	35.76 -2.53 0.00	35.37 -2.50 0.00	36.61 -2.46 0.00	36.23 -2.60 0.00	38.78 -2.90 -0.21	43.87 -2.75 0.00	50.30 -3.04 -0.01	43.54 -2.62 -0.19	38.23 -2.05 -0.15	34.03 -1.90 -0.16	29.70 -1.08 0.00	26.80 -0.91 -0.04	25.63 -1.18 -0.03
WESTOVER___LESR 323668	23.19 0.15 -2.05	22.07 0.14 -1.33	24.17 0.14 -0.30	24.51 0.24 -0.06	26.06 0.44 0.00	28.78 0.51 0.00	34.03 0.67 0.00	42.73 0.71 0.00	40.78 0.64 0.00	37.63 0.52 0.00	38.50 0.42 0.00	38.63 0.34 0.00	38.25 0.38 0.00	39.46 0.39 0.00	39.18 0.35 0.00	42.28 0.25 -0.55	47.27 0.65 0.00	54.10 0.75 -0.02	46.92 0.46 -0.49	40.87 0.36 -0.39	36.50 0.32 -0.41	31.26 0.49 0.00	27.99 0.22 -0.09	27.00 0.16 -0.06
WETHRSFD_WT_PWR 323626	20.86 -1.28 -1.14	20.12 -1.21 -0.75	22.50 -1.40 -0.17	23.03 -1.21 -0.04	24.96 -0.67 0.00	27.60 -0.68 0.00	32.63 -0.73 0.00	40.54 -1.47 0.00	38.49 -1.65 0.00	35.48 -1.63 0.00	36.55 -1.52 0.00	36.07 -2.22 0.00	35.63 -2.23 0.00	36.85 -2.23 0.00	36.50 -2.33 0.00	38.77 -2.99 -0.28	44.10 -2.52 0.00	50.36 -2.99 -0.01	43.27 -2.94 -0.25	37.67 -2.65 -0.20	33.54 -2.43 -0.21	29.42 -1.35 0.00	26.18 -1.55 -0.05	25.07 -1.74 -0.04
WHAVSTOR_138KV_BK127 55557	28.45 1.32 -6.14	25.89 1.30 -4.00	26.02 1.40 -0.89	25.84 1.45 -0.19	27.08 1.46 0.00	29.86 1.58 0.00	35.50 2.14 0.00	44.83 2.82 0.00	42.91 2.77 0.00	39.52 2.41 0.00	40.63 2.55 0.00	40.85 2.57 0.00	40.44 2.57 0.00	41.73 2.66 0.00	41.47 2.64 0.00	46.18 3.03 -1.67	50.16 3.54 0.00	57.55 4.16 -0.06	50.92 3.45 -1.50	44.36 3.05 -1.18	39.59 2.58 -1.25	33.02 2.25 0.00	29.91 1.97 -0.26	28.73 1.77 -0.19
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	28.45 1.32 -6.14	25.89 1.30 -4.00	26.02 1.40 -0.89	25.84 1.45 -0.19	27.08 1.46 0.00	29.86 1.58 0.00	35.50 2.14 0.00	44.83 2.82 0.00	42.91 2.77 0.00	39.52 2.41 0.00	40.63 2.55 0.00	40.85 2.57 0.00	40.44 2.57 0.00	41.73 2.66 0.00	41.47 2.64 0.00	46.18 3.03 -1.67	50.16 3.54 0.00	57.55 4.16 -0.06	50.92 3.45 -1.50	44.36 3.05 -1.18	39.59 2.58 -1.25	33.02 2.25 0.00	29.91 1.97 -0.26	28.73 1.77 -0.19
WHITEHAL_115KV_TB1 80871	29.98 1.74 -7.25	26.96 1.65 -4.72	26.61 1.83 -1.05	26.27 1.84 -0.22	27.62 2.00 0.00	30.65 2.38 0.00	36.40 3.04 0.00	45.97 3.95 0.00	44.15 4.01 0.00	40.78 3.67 0.00	42.23 4.15 0.00	42.23 3.94 0.00	41.54 3.67 0.00	42.86 3.79 0.00	42.56 3.73 0.00	47.39 3.94 -1.98	51.23 4.62 0.00	58.90 5.49 -0.07	52.25 4.50 -1.77	45.29 3.77 -1.40	40.75 3.51 -1.48	33.57 2.80 0.00	30.37 2.38 -0.31	29.09 2.09 -0.22
WHITEPLN_13_KV_LOAD 356215	28.81 1.60 -6.22	26.21 1.56 -4.06	26.34 1.71 -0.90	26.16 1.77 -0.19	27.42 1.79 0.00	30.23 1.95 0.00	35.97 2.60 0.00	45.50 3.49 0.00	43.55 3.41 0.00	40.19 3.08 0.00	41.28 3.20 0.00	41.50 3.22 0.00	41.16 3.29 0.00	42.43 3.36 0.00	42.21 3.38 0.00	46.99 3.82 -1.70	51.09 4.48 0.00	58.51 5.12 -0.06	51.77 4.28 -1.52	45.10 3.77 -1.20	40.15 3.11 -1.27	33.54 2.77 0.00	30.33 2.38 -0.27	29.11 2.14 -0.19
WM_FLOYD_69_KV_BK2 356380	31.47 2.04 -8.44	31.94 2.08 -9.27	28.84 2.30 -2.81	32.06 2.20 -5.66	31.44 2.49 -3.33	32.95 2.54 -2.13	37.35 3.57 -0.42	46.26 4.24 0.00	43.11 2.97 0.00	39.41 2.30 0.00	41.09 3.01 -0.01	41.48 3.02 -0.16	40.90 3.03 -0.01	42.28 3.20 -0.01	42.06 3.22 -0.01	48.01 4.31 -2.22	59.34 5.03 -7.68	66.26 5.87 -7.06	62.04 4.96 -11.11	53.45 4.73 -8.59	49.88 4.01 -10.11	40.45 3.35 -6.32	36.95 2.71 -6.56	33.21 2.46 -3.96
WOODARD___115KV_TB2 355635	21.24 -0.17 -0.42	20.79 -0.16 -0.37	23.58 -0.24 -0.09	23.82 -0.19 0.19	25.39 -0.23 0.00	28.02 -0.25 0.00	32.93 -0.43 0.00	41.39 -0.63 0.00	39.54 -0.60 0.00	36.59 -0.52 0.00	37.47 -0.61 0.00	37.68 -0.61 0.00	37.26 -0.61 0.00	38.45 -0.63 0.00	38.21 -0.62 0.00	40.89 -0.75 -0.16	45.87 -0.75 0.00	52.49 -0.85 -0.01	45.38 -0.74 -0.14	39.64 -0.60 -0.11	35.35 -0.54 -0.12	30.34 -0.43 0.00	27.32 -0.39 -0.03	26.48 -0.32 -0.02
YORK___WARBASSE 23770	28.98 1.76 -6.23	26.34 1.69 -4.06	26.46 1.83 -0.90	26.26 1.86 -0.19	27.52 1.90 0.00	30.20 1.92 0.00	35.90 2.54 0.00	45.38 3.36 0.00	43.51 3.37 0.00	40.23 3.12 0.00	41.24 3.16 0.00	41.50 3.22 0.00	41.09 3.22 0.00	42.39 3.32 0.00	42.13 3.30 0.00	46.91 3.73 -1.70	50.91 4.29 0.00	58.35 4.96 -0.06	51.68 4.18 -1.52	45.18 3.85 -1.20	40.22 3.18 -1.27	33.60 2.83 0.00	30.47 2.52 -0.27	29.31 2.33 -0.20