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|-------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ALBANY___2 23572 | 32.58 -0.01 0.00 | 27.40 0.07 0.00 | 23.25 0.42 0.00 | 23.72 0.63 0.00 | 27.60 0.60 0.00 | 25.20 0.42 0.00 | 21.48 0.38 0.00 | 17.90 0.26 0.00 | 20.90 0.16 0.00 | 22.08 -0.09 0.00 | -71.65 -0.04 92.57 | 24.54 -0.13 0.52 | 26.97 -0.15 0.60 | 21.88 -0.08 7.16 | 5.78 -0.01 22.84 | 33.24 -0.03 2.75 | 32.48 0.14 0.98 | 37.65 0.50 0.33 | 37.73 0.65 0.00 | 33.93 0.66 0.00 | 32.11 0.62 0.00 | 29.64 0.28 0.00 | 24.73 0.08 0.00 | 23.52 -0.07 0.00 |
| ALBANY___3 23573 | 32.58 -0.01 0.00 | 27.40 0.07 0.00 | 23.25 0.42 0.00 | 23.72 0.63 0.00 | 27.60 0.60 0.00 | 25.20 0.42 0.00 | 21.48 0.38 0.00 | 17.90 0.26 0.00 | 20.90 0.16 0.00 | 22.08 -0.09 0.00 | -71.65 -0.04 92.57 | 24.54 -0.13 0.52 | 26.97 -0.15 0.60 | 21.88 -0.08 7.16 | 5.78 -0.01 22.84 | 33.24 -0.03 2.75 | 32.48 0.14 0.98 | 37.65 0.50 0.33 | 37.73 0.65 0.00 | 33.93 0.66 0.00 | 32.11 0.62 0.00 | 29.64 0.28 0.00 | 24.73 0.08 0.00 | 23.52 -0.07 0.00 |
| ALBANY___4 23574 | 32.58 -0.01 0.00 | 27.40 0.07 0.00 | 23.25 0.42 0.00 | 23.72 0.63 0.00 | 27.60 0.60 0.00 | 25.20 0.42 0.00 | 21.48 0.38 0.00 | 17.90 0.26 0.00 | 20.90 0.16 0.00 | 22.08 -0.09 0.00 | -71.65 -0.04 92.57 | 24.54 -0.13 0.52 | 26.97 -0.15 0.60 | 21.88 -0.08 7.16 | 5.78 -0.01 22.84 | 33.24 -0.03 2.75 | 32.48 0.14 0.98 | 37.65 0.50 0.33 | 37.73 0.65 0.00 | 33.93 0.66 0.00 | 32.11 0.62 0.00 | 29.64 0.28 0.00 | 24.73 0.08 0.00 | 23.52 -0.07 0.00 |
| ALBANY___LFGE 323615 | 32.91 0.32 0.00 | 27.66 0.33 0.00 | 23.42 0.59 0.00 | 23.83 0.74 0.00 | 27.73 0.74 0.00 | 25.35 0.57 0.00 | 21.61 0.51 0.00 | 18.03 0.38 0.00 | 21.06 0.32 0.00 | 22.29 0.12 0.00 | -78.76 0.15 99.86 | 24.75 0.12 0.56 | 27.20 0.13 0.65 | 21.60 0.21 7.73 | 4.26 0.28 24.64 | 33.42 0.36 2.97 | 32.79 0.52 1.06 | 38.07 0.94 0.36 | 38.18 1.10 0.00 | 34.32 1.05 0.00 | 32.47 0.98 0.00 | 29.98 0.61 0.00 | 24.99 0.34 0.00 | 23.77 0.18 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 32.73 0.15 0.00 | 27.44 0.11 0.00 | 22.86 0.03 0.00 | 23.12 0.03 0.00 | 27.10 0.10 0.00 | 24.92 0.14 0.00 | 21.18 0.08 0.00 | 17.70 0.06 0.00 | 20.83 0.09 0.00 | 22.33 0.16 0.00 | 21.12 0.16 0.00 | 25.38 0.19 0.00 | 27.88 0.17 0.00 | 29.29 0.16 0.00 | 28.82 0.19 0.00 | 36.36 0.34 0.00 | 33.50 0.18 0.00 | 37.19 -0.29 0.00 | 36.16 -0.92 0.00 | 32.45 -0.82 0.00 | 31.25 -0.24 0.00 | 29.53 0.16 0.00 | 24.87 0.22 0.00 | 23.78 0.19 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 32.73 0.15 0.00 | 27.44 0.11 0.00 | 22.86 0.03 0.00 | 23.12 0.03 0.00 | 27.10 0.10 0.00 | 24.92 0.14 0.00 | 21.18 0.08 0.00 | 17.70 0.06 0.00 | 20.83 0.09 0.00 | 22.33 0.16 0.00 | 21.12 0.16 0.00 | 25.38 0.19 0.00 | 27.88 0.17 0.00 | 29.29 0.16 0.00 | 28.82 0.19 0.00 | 36.36 0.34 0.00 | 33.50 0.18 0.00 | 37.19 -0.29 0.00 | 36.16 -0.92 0.00 | 32.45 -0.82 0.00 | 31.25 -0.24 0.00 | 29.53 0.16 0.00 | 24.87 0.22 0.00 | 23.78 0.19 0.00 |
| ALCOA___DSASP 323711 | 32.73 0.15 0.00 | 27.44 0.11 0.00 | 22.86 0.03 0.00 | 23.12 0.03 0.00 | 27.10 0.10 0.00 | 24.92 0.14 0.00 | 21.18 0.08 0.00 | 17.70 0.06 0.00 | 20.83 0.09 0.00 | 22.33 0.16 0.00 | 21.12 0.17 0.00 | 25.38 0.19 0.00 | 27.88 0.17 0.00 | 29.29 0.16 0.00 | 28.82 0.19 0.00 | 36.36 0.34 0.00 | 33.50 0.18 0.00 | 37.19 -0.29 0.00 | 36.16 -0.92 0.00 | 32.45 -0.82 0.00 | 31.25 -0.24 0.00 | 29.53 0.16 0.00 | 24.87 0.22 0.00 | 23.77 0.19 0.00 |
| ALLEGHENY___COGEN 23514 | 33.52 0.93 0.00 | 28.00 0.68 0.00 | 23.41 0.58 0.00 | 23.71 0.62 0.00 | 27.69 0.70 0.00 | 25.36 0.58 0.00 | 21.30 0.20 0.00 | 17.58 -0.06 0.00 | 20.64 -0.10 0.00 | 22.32 0.15 0.00 | 21.15 0.20 0.00 | 25.30 0.11 0.00 | 27.77 0.05 0.00 | 29.06 -0.07 0.00 | 28.76 0.14 0.00 | 36.25 0.23 0.00 | 33.83 0.50 0.00 | 37.90 0.42 0.00 | 37.29 0.21 0.00 | 33.81 0.54 0.00 | 32.34 0.85 0.00 | 30.30 0.93 0.00 | 25.51 0.86 0.00 | 24.45 0.87 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 33.07 0.49 0.00 | 27.76 0.44 0.00 | 23.29 0.46 0.00 | 23.62 0.53 0.00 | 27.57 0.58 0.00 | 25.26 0.48 0.00 | 21.55 0.44 0.00 | 18.00 0.35 0.00 | 21.07 0.34 0.00 | 22.40 0.23 0.00 | -42.94 0.22 64.12 | 25.09 0.26 0.36 | 27.59 0.28 0.42 | 24.51 0.35 4.96 | 13.19 0.39 15.82 | 34.60 0.49 1.91 | 33.25 0.61 0.68 | 38.26 1.01 0.23 | 38.22 1.13 0.00 | 34.34 1.07 0.00 | 32.48 0.99 0.00 | 30.04 0.66 0.00 | 25.08 0.43 0.00 | 23.88 0.30 0.00 |
| ALTONA_WT_PWR 323606 | 33.74 1.15 0.00 | 28.32 1.00 0.00 | 23.56 0.73 0.00 | 23.78 0.68 0.00 | 27.95 0.96 0.00 | 25.66 0.88 0.00 | 21.85 0.75 0.00 | 18.27 0.63 0.00 | 21.39 0.65 0.00 | 22.87 0.70 0.00 | 21.60 0.65 0.00 | 26.00 0.81 0.00 | 28.62 0.91 0.00 | 30.07 0.95 0.00 | 29.70 1.08 0.00 | 37.53 1.51 0.00 | 34.69 1.36 0.00 | 38.78 1.30 0.00 | 38.12 1.04 0.00 | 34.17 0.90 0.00 | 32.39 0.90 0.00 | 30.49 1.12 0.00 | 25.60 0.96 0.00 | 24.45 0.87 0.00 |
| AMERICAN_REF_FUEL 24010 | 31.08 -1.51 0.00 | 26.12 -1.20 0.00 | 20.92 -0.92 0.99 | 21.21 -0.86 1.02 | 25.60 -1.00 0.40 | 23.39 -0.93 0.47 | 19.94 -1.14 0.02 | 16.63 -1.01 0.00 | 19.85 -0.89 0.00 | 21.50 -0.67 0.00 | 20.33 -0.62 0.00 | 24.26 -0.93 0.00 | 26.43 -1.29 0.00 | 27.59 -1.53 0.00 | 27.29 -1.33 0.00 | 34.38 -1.65 0.00 | 31.34 -1.98 0.00 | 35.20 -2.28 0.00 | 35.01 -2.07 0.00 | 31.39 -1.89 0.00 | 29.67 -1.82 0.00 | 27.87 -1.50 0.00 | 23.31 -0.94 0.40 | 22.63 -0.65 0.30 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 33.00 0.42 0.00 | 27.53 0.21 0.00 | 21.76 0.20 1.27 | 22.00 0.21 1.30 | 26.62 0.14 0.51 | 24.07 -0.11 0.60 | 20.35 -0.73 0.02 | 16.80 -0.84 0.00 | 20.21 -0.53 0.00 | 22.19 0.02 0.00 | 21.33 0.38 0.00 | 25.53 0.34 0.00 | 27.58 -0.14 0.00 | 29.00 -0.12 0.00 | 28.72 0.09 0.00 | 36.05 0.03 0.00 | 32.99 -0.34 0.00 | 37.53 0.05 0.00 | 37.59 0.51 0.00 | 33.65 0.38 0.00 | 31.69 0.20 0.00 | 29.56 0.19 0.00 | 24.52 0.39 0.51 | 23.69 0.50 0.39 |
| ARTHUR KILL_GT_1 23520 | 34.73 2.15 0.00 | 29.11 1.79 0.00 | 24.16 1.32 0.00 | 24.31 1.22 0.00 | 28.37 1.38 0.00 | 26.06 1.28 0.00 | 22.42 1.32 0.00 | 18.78 1.14 0.00 | 22.12 1.38 0.00 | 23.63 1.45 -0.01 | 164.74 1.25 -142.55 | 27.64 1.64 -0.81 | 30.65 2.00 -0.93 | 42.43 2.27 -11.04 | 66.07 2.27 -35.17 | 43.20 2.94 -4.24 | 37.75 2.91 -1.52 | 41.83 3.84 -0.51 | 40.81 3.73 0.00 | 36.50 3.22 0.00 | 34.16 2.67 0.00 | 31.44 2.07 0.00 | 26.24 1.59 0.00 | 24.92 1.33 0.00 |
| ARTHUR_KILL_2 23512 | 34.62 2.03 0.00 | 29.02 1.69 0.00 | 24.08 1.25 0.00 | 24.24 1.15 0.00 | 28.29 1.30 0.00 | 25.99 1.21 0.00 | 22.36 1.25 0.00 | 18.73 1.09 0.00 | 22.06 1.32 0.00 | 23.56 1.38 -0.01 | 164.68 1.18 -142.55 | 27.57 1.57 -0.81 | 30.57 1.92 -0.93 | 42.33 2.18 -11.04 | 65.98 2.18 -35.17 | 43.08 2.82 -4.24 | 37.64 2.79 -1.52 | 41.70 3.71 -0.51 | 40.68 3.60 0.00 | 36.37 3.10 0.00 | 34.04 2.55 0.00 | 31.32 1.95 0.00 | 26.15 1.50 0.00 | 24.84 1.25 0.00 |
| ARTHUR_KILL_3 23513 | 34.54 1.95 0.00 | 28.94 1.61 0.00 | 24.01 1.18 0.00 | 24.19 1.10 0.00 | 28.23 1.23 0.00 | 25.92 1.14 0.00 | 22.31 1.21 0.00 | 18.71 1.07 0.00 | 22.05 1.31 0.00 | 23.63 1.45 -0.01 | 164.82 1.32 -142.54 | 27.65 1.65 -0.81 | 30.59 1.94 -0.93 | 42.34 2.18 -11.03 | 65.97 2.17 -35.17 | 43.03 2.76 -4.24 | 37.60 2.76 -1.52 | 41.67 3.68 -0.51 | 40.60 3.52 0.00 | 36.31 3.04 0.00 | 33.98 2.49 0.00 | 31.22 1.85 0.00 | 26.07 1.42 0.00 | 24.76 1.18 0.00 |

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|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| ARTHUR_KILL_COGEN 323718 | 34.73 2.15 0.00 | 29.11 1.79 0.00 | 24.16 1.32 0.00 | 24.31 1.22 0.00 | 28.37 1.38 0.00 | 26.06 1.28 0.00 | 22.42 1.32 0.00 | 18.78 1.14 0.00 | 22.12 1.38 0.00 | 23.63 1.45 -0.01 | 164.74 1.25 -142.55 | 27.64 1.64 -0.81 | 30.65 2.00 -0.93 | 42.43 2.27 -11.04 | 66.07 2.27 -35.17 | 43.20 2.94 -4.24 | 37.75 2.91 -1.52 | 41.83 3.84 -0.51 | 40.81 3.73 0.00 | 36.50 3.22 0.00 | 34.16 2.67 0.00 | 31.44 2.07 0.00 | 26.24 1.59 0.00 | 24.92 1.33 0.00 |
| ASHOKAN____ 23654 | 33.80 1.21 0.00 | 28.30 0.97 0.00 | 23.69 0.86 0.00 | 24.02 0.93 0.00 | 28.02 1.02 0.00 | 25.63 0.85 0.00 | 21.89 0.79 0.00 | 18.26 0.61 0.00 | 21.33 0.59 0.00 | 22.62 0.44 0.00 | 21.55 0.59 0.00 | 26.02 0.83 0.00 | 28.58 0.86 0.00 | 30.10 0.97 0.00 | 29.72 1.09 0.00 | 37.49 1.47 0.00 | 35.17 1.85 0.00 | 39.93 2.45 0.00 | 39.67 2.59 0.00 | 35.66 2.39 0.00 | 33.67 2.18 0.00 | 31.01 1.64 0.00 | 25.77 1.13 0.00 | 24.42 0.84 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 34.71 2.12 0.00 | 29.13 1.81 0.00 | 24.19 1.35 0.00 | 24.28 1.19 0.00 | 28.31 1.32 0.00 | 26.02 1.25 0.00 | 22.39 1.29 0.00 | 18.79 1.14 0.00 | 22.13 1.39 0.01 | 23.72 1.55 0.00 | 164.79 1.29 -142.54 | 27.66 1.67 -0.81 | 30.62 1.97 -0.93 | 42.38 2.22 -11.03 | 66.02 2.22 -35.17 | 43.08 2.82 -4.24 | 37.60 2.76 -1.51 | 41.67 3.69 -0.51 | 40.68 3.60 0.00 | 36.38 3.10 0.00 | 34.04 2.55 0.00 | 31.35 1.98 0.00 | 26.19 1.54 0.00 | 24.85 1.26 0.00 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 34.71 2.12 0.00 | 29.13 1.81 0.00 | 24.19 1.35 0.00 | 24.28 1.19 0.00 | 28.31 1.32 0.00 | 26.02 1.25 0.00 | 22.39 1.28 0.00 | 18.79 1.14 0.00 | 22.13 1.39 0.01 | 23.72 1.55 0.00 | 164.79 1.29 -142.54 | 27.66 1.67 -0.81 | 30.62 1.97 -0.93 | 42.38 2.22 -11.03 | 66.02 2.22 -35.17 | 43.08 2.82 -4.24 | 37.60 2.76 -1.51 | 41.67 3.69 -0.51 | 40.68 3.60 0.00 | 36.38 3.10 0.00 | 34.04 2.55 0.00 | 31.35 1.98 0.00 | 26.19 1.54 0.00 | 24.85 1.26 0.00 |
| ASTORIA_GT2_1 24094 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT2_2 24095 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT2_3 24096 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT2_4 24097 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT3_1 24098 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT3_2 24099 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT3_3 24100 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT3_4 24101 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT4_1 24102 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT4_2 24103 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT4_3 24104 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |

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| ASTORIA_GT4_4 24105 | 34.74 2.16 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.29 1.19 0.00 | 28.33 1.34 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.73 1.56 -0.01 | 164.79 1.30 -142.55 | 27.68 1.68 -0.81 | 30.63 1.99 -0.93 | 42.39 2.23 -11.04 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.52 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.08 2.59 0.00 | 31.36 1.99 0.00 | 26.20 1.56 0.00 | 24.86 1.27 0.00 |
| ASTORIA_GT_1 23523 | 34.80 2.22 0.00 | 29.21 1.88 0.00 | 24.24 1.41 0.00 | 24.33 1.24 0.00 | 28.37 1.37 0.00 | 26.07 1.30 0.00 | 22.43 1.33 0.00 | 18.82 1.18 0.00 | 22.18 1.45 0.01 | 23.77 1.60 0.00 | 164.85 1.35 -142.54 | 27.73 1.73 -0.81 | 30.69 2.05 -0.93 | 42.45 2.30 -11.03 | 66.10 2.30 -35.17 | 43.17 2.91 -4.24 | 37.69 2.85 -1.51 | 41.79 3.80 -0.51 | 40.79 3.70 0.00 | 36.47 3.20 0.00 | 34.13 2.64 0.00 | 31.42 2.06 0.00 | 26.25 1.60 0.00 | 24.90 1.32 0.00 |
| ASTORIA_GT_10 24110 | 34.78 2.20 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.42 0.00 | 26.09 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.90 1.40 -142.55 | 27.79 1.80 -0.81 | 30.78 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.26 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.13 2.64 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |
| ASTORIA_GT_11 24225 | 34.78 2.20 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.42 0.00 | 26.09 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.90 1.40 -142.55 | 27.79 1.80 -0.81 | 30.78 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.26 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.13 2.64 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |
| ASTORIA_GT_12 24226 | 34.78 2.20 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.42 0.00 | 26.09 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.90 1.40 -142.55 | 27.79 1.80 -0.81 | 30.78 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.26 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.13 2.64 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |
| ASTORIA_GT_13 24227 | 34.78 2.20 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.42 0.00 | 26.09 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.90 1.40 -142.55 | 27.79 1.80 -0.81 | 30.78 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.26 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.13 2.64 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |
| ASTORIA_GT_5 24106 | 34.81 2.23 0.00 | 29.21 1.88 0.00 | 24.25 1.41 0.00 | 24.33 1.24 0.00 | 28.37 1.38 0.00 | 26.08 1.30 0.00 | 22.43 1.33 0.00 | 18.82 1.18 0.00 | 22.19 1.45 0.00 | 23.78 1.60 -0.01 | 164.83 1.34 -142.55 | 27.73 1.73 -0.81 | 30.70 2.05 -0.93 | 42.45 2.29 -11.04 | 66.10 2.30 -35.17 | 43.18 2.91 -4.24 | 37.69 2.85 -1.52 | 41.78 3.80 -0.51 | 40.79 3.70 0.00 | 36.47 3.20 0.00 | 34.14 2.65 0.00 | 31.42 2.05 0.00 | 26.25 1.61 0.00 | 24.90 1.32 0.00 |
| ASTORIA_GT_7 24107 | 34.81 2.23 0.00 | 29.21 1.88 0.00 | 24.25 1.41 0.00 | 24.33 1.24 0.00 | 28.37 1.38 0.00 | 26.08 1.30 0.00 | 22.43 1.33 0.00 | 18.82 1.18 0.00 | 22.19 1.45 0.00 | 23.78 1.60 -0.01 | 164.83 1.34 -142.55 | 27.73 1.73 -0.81 | 30.70 2.05 -0.93 | 42.45 2.29 -11.04 | 66.10 2.30 -35.17 | 43.18 2.91 -4.24 | 37.69 2.85 -1.52 | 41.78 3.80 -0.51 | 40.79 3.70 0.00 | 36.47 3.20 0.00 | 34.14 2.65 0.00 | 31.42 2.05 0.00 | 26.25 1.61 0.00 | 24.90 1.32 0.00 |
| ASTORIA_GT_8 24108 | 34.81 2.23 0.00 | 29.21 1.88 0.00 | 24.25 1.41 0.00 | 24.33 1.24 0.00 | 28.37 1.38 0.00 | 26.08 1.30 0.00 | 22.43 1.33 0.00 | 18.82 1.18 0.00 | 22.19 1.45 0.00 | 23.78 1.60 -0.01 | 164.83 1.34 -142.55 | 27.73 1.73 -0.81 | 30.70 2.05 -0.93 | 42.45 2.29 -11.04 | 66.10 2.30 -35.17 | 43.18 2.91 -4.24 | 37.69 2.85 -1.52 | 41.78 3.80 -0.51 | 40.79 3.70 0.00 | 36.47 3.20 0.00 | 34.14 2.65 0.00 | 31.42 2.05 0.00 | 26.25 1.61 0.00 | 24.90 1.32 0.00 |
| ASTORIA___2 24149 | 34.73 2.15 0.00 | 29.15 1.82 0.00 | 24.20 1.37 0.00 | 24.28 1.19 0.00 | 28.33 1.33 0.00 | 26.03 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.13 1.40 0.01 | 23.73 1.56 0.00 | 164.80 1.31 -142.54 | 27.68 1.68 -0.81 | 30.63 1.98 -0.93 | 42.39 2.23 -11.03 | 66.03 2.23 -35.17 | 43.09 2.83 -4.24 | 37.62 2.78 -1.51 | 41.71 3.72 -0.51 | 40.70 3.62 0.00 | 36.40 3.13 0.00 | 34.06 2.58 0.00 | 31.36 1.99 0.00 | 26.20 1.55 0.00 | 24.85 1.27 0.00 |
| ASTORIA___3 23516 | 34.78 2.19 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.41 0.00 | 26.09 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.91 1.42 -142.55 | 27.79 1.80 -0.81 | 30.77 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.27 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.12 2.63 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.26 0.00 |
| ASTORIA___4 23517 | 34.78 2.20 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.42 0.00 | 26.09 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.90 1.40 -142.55 | 27.79 1.80 -0.81 | 30.78 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.26 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.13 2.64 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |
| ASTORIA___5 23518 | 34.78 2.19 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.41 0.00 | 26.08 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.91 1.42 -142.55 | 27.79 1.80 -0.81 | 30.77 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.27 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.12 2.63 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.26 0.00 |
| AST_ENERGY_2_CC3 323677 | 34.57 1.98 0.00 | 28.96 1.64 0.00 | 24.05 1.22 0.00 | 24.22 1.14 0.00 | 28.28 1.28 0.00 | 25.96 1.18 0.00 | 22.36 1.26 0.00 | 18.77 1.12 0.00 | 22.11 1.37 0.00 | 23.70 1.52 -0.01 | 164.84 1.34 -142.54 | 27.68 1.68 -0.80 | 30.63 1.99 -0.92 | 42.40 2.25 -11.03 | 66.03 2.24 -35.17 | 43.10 2.84 -4.24 | 37.66 2.82 -1.52 | 41.74 3.75 -0.51 | 40.68 3.60 0.00 | 36.36 3.09 0.00 | 34.03 2.54 0.00 | 31.26 1.89 0.00 | 26.11 1.47 0.00 | 24.79 1.21 0.00 |
| AST_ENERGY_2_CC4 323678 | 34.57 1.98 0.00 | 28.96 1.64 0.00 | 24.05 1.22 0.00 | 24.22 1.14 0.00 | 28.28 1.28 0.00 | 25.96 1.18 0.00 | 22.36 1.26 0.00 | 18.77 1.12 0.00 | 22.11 1.37 0.00 | 23.70 1.52 -0.01 | 164.84 1.34 -142.54 | 27.68 1.68 -0.80 | 30.63 1.99 -0.92 | 42.40 2.25 -11.03 | 66.03 2.24 -35.17 | 43.10 2.84 -4.24 | 37.66 2.82 -1.52 | 41.74 3.75 -0.51 | 40.68 3.60 0.00 | 36.36 3.09 0.00 | 34.03 2.54 0.00 | 31.26 1.89 0.00 | 26.11 1.47 0.00 | 24.79 1.21 0.00 |

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| ATHENS_STG_1 23668 | 33.39 0.80 0.00 | 28.00 0.68 0.00 | 23.36 0.53 0.00 | 23.63 0.54 0.00 | 27.59 0.60 0.00 | 25.32 0.54 0.00 | 21.66 0.56 0.00 | 18.13 0.48 0.00 | 21.26 0.52 0.00 | 22.69 0.51 0.00 | 74.14 0.45 -52.74 | 26.06 0.57 -0.30 | 28.76 0.69 -0.34 | 34.02 0.81 -4.08 | 42.46 0.82 -13.01 | 38.66 1.07 -1.57 | 35.03 1.14 -0.56 | 39.34 1.68 -0.19 | 38.79 1.71 0.00 | 34.80 1.53 0.00 | 32.77 1.28 0.00 | 30.24 0.87 0.00 | 25.25 0.60 0.00 | 24.03 0.45 0.00 |
| ATHENS_STG_2 23670 | 33.39 0.80 0.00 | 28.00 0.68 0.00 | 23.36 0.53 0.00 | 23.63 0.54 0.00 | 27.59 0.60 0.00 | 25.32 0.54 0.00 | 21.66 0.56 0.00 | 18.13 0.48 0.00 | 21.26 0.52 0.00 | 22.69 0.51 0.00 | 74.14 0.45 -52.74 | 26.06 0.57 -0.30 | 28.76 0.69 -0.34 | 34.02 0.81 -4.08 | 42.46 0.82 -13.01 | 38.66 1.07 -1.57 | 35.03 1.14 -0.56 | 39.34 1.68 -0.19 | 38.79 1.71 0.00 | 34.80 1.53 0.00 | 32.77 1.28 0.00 | 30.24 0.87 0.00 | 25.25 0.60 0.00 | 24.03 0.45 0.00 |
| ATHENS_STG_3 23677 | 33.39 0.80 0.00 | 28.00 0.68 0.00 | 23.36 0.53 0.00 | 23.63 0.54 0.00 | 27.59 0.60 0.00 | 25.32 0.54 0.00 | 21.66 0.56 0.00 | 18.13 0.48 0.00 | 21.26 0.52 0.00 | 22.69 0.51 0.00 | 74.14 0.45 -52.74 | 26.06 0.57 -0.30 | 28.76 0.69 -0.34 | 34.02 0.81 -4.08 | 42.46 0.82 -13.01 | 38.66 1.07 -1.57 | 35.03 1.14 -0.56 | 39.34 1.68 -0.19 | 38.79 1.71 0.00 | 34.80 1.53 0.00 | 32.77 1.28 0.00 | 30.24 0.87 0.00 | 25.25 0.60 0.00 | 24.03 0.45 0.00 |
| AUBURN___LFGE 323710 | 32.78 0.19 0.00 | 27.46 0.13 0.00 | 22.99 0.16 0.00 | 23.19 0.10 0.00 | 27.17 0.17 0.00 | 24.93 0.16 0.00 | 21.17 0.06 0.00 | 17.67 0.02 0.00 | 20.81 0.07 0.00 | 22.19 0.01 0.00 | 21.03 0.08 0.00 | 25.26 0.07 0.00 | 27.73 0.01 0.00 | 29.18 0.06 0.00 | 28.69 0.07 0.00 | 36.20 0.18 0.00 | 33.46 0.13 0.00 | 37.69 0.21 0.00 | 37.45 0.37 0.00 | 33.58 0.31 0.00 | 31.78 0.29 0.00 | 29.46 0.09 0.00 | 24.79 0.14 0.00 | 23.81 0.23 0.00 |
| BABYLON_RES_REC 323704 | 34.80 2.22 0.00 | 29.38 2.06 0.00 | 24.34 1.51 0.00 | 24.45 1.36 0.00 | 28.56 1.56 0.00 | 26.21 1.44 0.00 | 22.41 1.30 0.00 | 18.76 1.11 0.00 | 21.97 1.24 0.00 | 23.56 1.39 -0.01 | 164.72 1.20 -142.57 | 27.47 1.47 -0.80 | 30.81 2.16 -0.92 | 43.11 2.65 -11.34 | 66.23 2.43 -35.17 | 44.64 3.13 -5.49 | 39.49 3.30 -2.86 | 44.07 4.30 -2.29 | 44.40 4.08 -3.24 | 38.54 3.72 -1.55 | 38.81 3.21 -4.11 | 32.26 2.56 -0.34 | 26.47 1.82 0.00 | 25.21 1.63 0.00 |
| BABYLON___69_KV_BK2 356345 | 35.13 2.55 0.00 | 29.67 2.34 0.00 | 24.57 1.74 0.00 | 24.66 1.57 0.00 | 28.81 1.82 0.00 | 26.44 1.66 0.00 | 22.60 1.50 0.00 | 18.92 1.27 0.00 | 22.16 1.42 0.00 | 23.77 1.59 -0.01 | 164.90 1.38 -142.57 | 27.71 1.71 -0.80 | 31.10 2.46 -0.92 | 43.44 2.98 -11.34 | 66.57 2.77 -35.17 | 45.15 3.64 -5.49 | 39.91 3.73 -2.86 | 46.11 4.81 -3.81 | 46.60 4.56 -4.96 | 39.49 4.15 -2.07 | 39.33 3.73 -4.11 | 32.66 2.96 -0.34 | 26.78 2.13 0.00 | 25.50 1.92 0.00 |
| BALL_HILL_WT_PWR 323825 | 32.48 -0.11 0.00 | 27.16 -0.17 0.00 | 21.56 -0.09 1.17 | 21.85 -0.03 1.21 | 26.46 -0.06 0.47 | 24.04 -0.18 0.55 | 20.52 -0.57 0.02 | 17.07 -0.57 0.00 | 20.44 -0.29 0.00 | 22.21 0.03 0.00 | 21.11 0.16 0.00 | 25.21 0.02 0.00 | 27.44 -0.27 0.00 | 28.65 -0.48 0.00 | 28.43 -0.20 0.00 | 35.80 -0.22 0.00 | 32.80 -0.52 0.00 | 37.06 -0.42 0.00 | 36.93 -0.15 0.00 | 33.04 -0.23 0.00 | 31.15 -0.34 0.00 | 29.10 -0.27 0.00 | 24.19 0.02 0.48 | 23.40 0.18 0.36 |
| BARON_WINDS___WT_PWR 323822 | 32.68 0.09 0.00 | 27.27 -0.05 0.00 | 23.80 -0.04 -1.01 | 24.14 0.02 -1.03 | 27.43 0.04 -0.40 | 25.11 -0.15 -0.47 | 20.74 -0.38 -0.02 | 17.21 -0.44 0.00 | 20.48 -0.26 0.00 | 22.14 -0.04 0.00 | 20.98 0.03 0.00 | 25.05 -0.14 0.00 | 27.38 -0.34 0.00 | 28.52 -0.60 0.00 | 28.18 -0.45 0.00 | 36.02 -0.01 0.00 | 33.35 0.03 0.00 | 37.70 0.22 0.00 | 37.36 0.28 0.00 | 33.44 0.16 0.00 | 31.47 -0.02 0.00 | 29.23 -0.14 0.00 | 24.99 -0.06 -0.41 | 23.90 0.01 -0.31 |
| BARRETT_IC_1 23704 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_10 23701 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_11 23702 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_12 23703 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_2 23705 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_3 23706 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_4 23707 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |

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|-----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------------------|-----------------------|
| BARRETT_IC_5 23708 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_6 23709 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_7 23710 | 34.51 1.92 0.00 | 29.09 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.19 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.57 1.06 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.93 2.46 -11.34 | 65.93 2.14 -35.17 | 81.09 3.05 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 60.02 3.80 -19.14 | 47.16 3.35 -10.53 | 71.78 2.91 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_8 23711 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT_IC_9 23700 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT___1 23545 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BARRETT___2 23546 | 34.50 1.92 0.00 | 29.08 1.76 0.00 | 24.12 1.29 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.04 1.26 0.00 | 22.29 1.18 0.00 | 18.67 1.03 0.00 | 21.93 1.19 0.00 | 23.52 1.34 -0.01 | 164.60 1.08 -142.57 | 27.45 1.45 -0.80 | 30.73 2.09 -0.92 | 42.94 2.48 -11.34 | 65.93 2.14 -35.17 | 80.99 2.95 -42.02 | 53.25 3.08 -16.84 | 51.14 3.99 -9.67 | 59.99 3.78 -19.14 | 47.16 3.35 -10.53 | 71.72 2.85 -37.38 | 31.95 2.23 -0.35 | 26.23 1.58 0.00 | 24.97 1.39 0.00 |
| BATAVIA__115KV_TB1 55881 | 32.42 -0.16 0.00 | 27.17 -0.15 0.00 | 22.77 -0.06 0.00 | 23.08 -0.01 0.00 | 26.93 -0.06 0.00 | 24.74 -0.04 0.00 | 20.74 -0.36 0.00 | 17.29 -0.36 0.00 | 20.54 -0.20 0.00 | 22.25 0.08 0.00 | 21.10 0.15 0.00 | 25.28 0.09 0.00 | 27.64 -0.07 0.00 | 28.93 -0.19 0.00 | 28.57 -0.05 0.00 | 35.90 -0.12 0.00 | 32.88 -0.45 0.00 | 36.76 -0.72 0.00 | 36.74 -0.34 0.00 | 32.97 -0.30 0.00 | 31.23 -0.26 0.00 | 29.25 -0.12 0.00 | 24.77 0.12 0.00 | 23.85 0.27 0.00 |
| BAYONEEC___CTG1 323682 | 34.63 2.04 0.00 | 29.01 1.69 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.31 1.32 0.00 | 25.99 1.21 0.00 | 22.37 1.27 0.00 | 18.77 1.13 0.00 | 22.12 1.38 0.00 | 23.70 1.53 -0.01 | 164.87 1.37 -142.54 | 27.71 1.72 -0.80 | 30.67 2.03 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.13 2.87 -4.24 | 37.69 2.85 -1.52 | 41.78 3.79 -0.51 | 40.73 3.65 0.00 | 36.41 3.14 0.00 | 34.07 2.59 0.00 | 31.30 1.93 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |
| BAYONEEC___CTG10 323750 | 34.63 2.04 0.00 | 29.01 1.69 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.31 1.32 0.00 | 25.99 1.21 0.00 | 22.37 1.27 0.00 | 18.77 1.13 0.00 | 22.12 1.38 0.00 | 23.70 1.53 -0.01 | 164.87 1.37 -142.54 | 27.71 1.72 -0.80 | 30.67 2.03 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.13 2.87 -4.24 | 37.69 2.85 -1.52 | 41.78 3.79 -0.51 | 40.73 3.65 0.00 | 36.41 3.14 0.00 | 34.07 2.59 0.00 | 31.30 1.93 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |
| BAYONEEC___CTG2 323683 | 34.63 2.04 0.00 | 29.01 1.69 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.31 1.32 0.00 | 25.99 1.21 0.00 | 22.37 1.27 0.00 | 18.77 1.13 0.00 | 22.12 1.38 0.00 | 23.70 1.53 -0.01 | 164.87 1.37 -142.54 | 27.71 1.72 -0.80 | 30.67 2.03 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.13 2.87 -4.24 | 37.69 2.85 -1.52 | 41.78 3.79 -0.51 | 40.73 3.65 0.00 | 36.41 3.14 0.00 | 34.07 2.59 0.00 | 31.30 1.93 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |
| BAYONEEC___CTG3 323684 | 34.63 2.04 0.00 | 29.01 1.69 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.31 1.32 0.00 | 25.99 1.21 0.00 | 22.37 1.27 0.00 | 18.77 1.13 0.00 | 22.12 1.38 0.00 | 23.70 1.53 -0.01 | 164.87 1.37 -142.54 | 27.71 1.72 -0.80 | 30.67 2.03 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.13 2.87 -4.24 | 37.69 2.85 -1.52 | 41.78 3.79 -0.51 | 40.73 3.65 0.00 | 36.41 3.14 0.00 | 34.07 2.59 0.00 | 31.30 1.93 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |
| BAYONEEC___CTG4 323685 | 34.63 2.04 0.00 | 29.01 1.69 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.31 1.32 0.00 | 25.99 1.21 0.00 | 22.37 1.27 0.00 | 18.77 1.13 0.00 | 22.12 1.38 0.00 | 23.70 1.53 -0.01 | 164.87 1.37 -142.54 | 27.71 1.72 -0.80 | 30.67 2.03 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.13 2.87 -4.24 | 37.69 2.85 -1.52 | 41.78 3.79 -0.51 | 40.73 3.65 0.00 | 36.41 3.14 0.00 | 34.07 2.59 0.00 | 31.30 1.93 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |
| BAYONEEC___CTG5 323686 | 34.63 2.04 0.00 | 29.01 1.69 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.31 1.32 0.00 | 25.99 1.21 0.00 | 22.37 1.27 0.00 | 18.77 1.13 0.00 | 22.12 1.38 0.00 | 23.70 1.53 -0.01 | 164.87 1.37 -142.54 | 27.71 1.72 -0.80 | 30.67 2.03 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.13 2.87 -4.24 | 37.69 2.85 -1.52 | 41.78 3.79 -0.51 | 40.73 3.65 0.00 | 36.41 3.14 0.00 | 34.07 2.59 0.00 | 31.30 1.93 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |
| BAYONEEC___CTG6 323687 | 34.63 2.04 0.00 | 29.01 1.69 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.31 1.32 0.00 | 25.99 1.21 0.00 | 22.37 1.27 0.00 | 18.77 1.13 0.00 | 22.12 1.38 0.00 | 23.70 1.53 -0.01 | 164.87 1.37 -142.54 | 27.71 1.72 -0.80 | 30.67 2.03 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.13 2.87 -4.24 | 37.69 2.85 -1.52 | 41.78 3.79 -0.51 | 40.73 3.65 0.00 | 36.41 3.14 0.00 | 34.07 2.59 0.00 | 31.30 1.93 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| CHESTROR_138KV_BK263 355645 | 34.02 1.43 0.00 | 28.51 1.18 0.00 | 23.65 0.82 0.00 | 23.86 0.77 0.00 | 27.89 0.89 0.00 | 25.59 0.81 0.00 | 21.93 0.84 0.00 | 18.36 0.71 0.00 | 21.60 0.86 0.00 | 23.10 0.93 0.00 | 136.31 0.84 -114.52 | 26.94 1.10 -0.65 | 29.79 1.33 -0.74 | 39.48 1.49 -8.86 | 58.38 1.51 -28.25 | 41.37 1.94 -3.40 | 36.55 2.01 -1.22 | 40.62 2.73 -0.41 | 39.78 2.70 0.00 | 35.62 2.35 0.00 | 33.40 1.92 0.00 | 30.76 1.40 0.00 | 25.70 1.05 0.00 | 24.44 0.86 0.00 |
| CH_MIDHUDSON___DRP 24192 | 34.26 1.68 0.00 | 28.71 1.38 0.00 | 23.83 1.00 0.00 | 24.03 0.94 0.00 | 28.08 1.09 0.00 | 25.77 0.99 0.00 | 22.12 1.02 0.00 | 18.54 0.90 0.00 | 21.79 1.05 0.00 | 23.29 1.11 0.00 | 133.27 0.99 -111.33 | 27.10 1.28 -0.63 | 30.00 1.55 -0.72 | 39.50 1.76 -8.61 | 57.86 1.77 -27.47 | 41.62 2.29 -3.31 | 36.84 2.33 -1.18 | 41.02 3.15 -0.40 | 40.20 3.12 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.02 1.66 0.00 | 25.86 1.21 0.00 | 24.56 0.98 0.00 |
| CH_MISC_IPPS 23765 | 34.45 1.86 0.00 | 28.84 1.52 0.00 | 23.94 1.11 0.00 | 24.14 1.05 0.00 | 28.21 1.22 0.00 | 25.88 1.10 0.00 | 22.21 1.10 0.00 | 18.61 0.97 0.00 | 21.88 1.14 0.00 | 23.40 1.22 0.00 | 137.87 1.11 -115.80 | 27.27 1.43 -0.65 | 30.19 1.72 -0.75 | 40.02 1.94 -8.96 | 59.15 1.96 -28.57 | 42.01 2.54 -3.44 | 37.15 2.59 -1.23 | 41.32 3.43 -0.41 | 40.49 3.41 0.00 | 36.24 2.97 0.00 | 33.95 2.46 0.00 | 31.23 1.86 0.00 | 26.04 1.39 0.00 | 24.73 1.15 0.00 |
| CH_RES_BVR_FALLS 23983 | 32.41 -0.18 0.00 | 27.18 -0.14 0.00 | 22.70 -0.13 0.00 | 22.95 -0.14 0.00 | 26.87 -0.13 0.00 | 24.69 -0.09 0.00 | 21.01 -0.10 0.00 | 17.57 -0.08 0.00 | 20.66 -0.08 0.00 | 22.12 -0.05 0.00 | 20.91 -0.04 0.00 | 25.14 -0.05 0.00 | 27.63 -0.09 0.00 | 29.03 -0.10 0.00 | 28.54 -0.08 0.00 | 35.92 -0.10 0.00 | 33.12 -0.21 0.00 | 37.03 -0.45 0.00 | 36.42 -0.66 0.00 | 32.64 -0.63 0.00 | 30.90 -0.59 0.00 | 28.99 -0.38 0.00 | 24.40 -0.25 0.00 | 23.45 -0.13 0.00 |
| CH_RES_NIAGARA 23895 | 31.04 -1.55 0.00 | 26.09 -1.24 0.00 | 21.93 -0.89 0.00 | 22.27 -0.82 0.00 | 25.95 -1.05 0.00 | 23.86 -0.92 0.00 | 19.94 -1.16 0.00 | 16.65 -1.00 0.00 | 19.86 -0.88 0.00 | 21.53 -0.65 0.00 | 20.35 -0.60 0.00 | 24.27 -0.92 0.00 | 26.43 -1.29 0.00 | 27.58 -1.55 0.00 | 27.26 -1.36 0.00 | 34.38 -1.65 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.75 -0.90 0.00 | 23.05 -0.53 0.00 |
| CH_RES_SYRACUSE 23985 | 32.51 -0.08 0.00 | 27.23 -0.09 0.00 | 22.80 -0.03 0.00 | 23.06 -0.03 0.00 | 26.96 -0.04 0.00 | 24.72 -0.05 0.00 | 21.02 -0.09 0.00 | 17.55 -0.09 0.00 | 20.66 -0.08 0.00 | 22.10 -0.08 0.00 | 20.90 -0.06 0.00 | 25.12 -0.08 0.00 | 27.65 -0.07 0.00 | 29.01 -0.11 0.00 | 28.51 -0.12 0.00 | 35.87 -0.15 0.00 | 33.21 -0.12 0.00 | 37.44 -0.04 0.00 | 37.11 0.03 0.00 | 33.27 0.00 0.00 | 31.46 -0.03 0.00 | 29.24 -0.13 0.00 | 24.54 -0.10 0.00 | 23.58 0.00 0.00 |
| CLINTON_WT_PWR 323605 | 34.07 1.49 0.00 | 28.60 1.27 0.00 | 23.78 0.95 0.00 | 23.98 0.89 0.00 | 28.23 1.23 0.00 | 25.89 1.11 0.00 | 22.06 0.96 0.00 | 18.44 0.80 0.00 | 21.57 0.83 0.00 | 23.04 0.87 0.00 | 21.76 0.81 0.00 | 26.21 1.02 0.00 | 28.87 1.15 0.00 | 30.34 1.21 0.00 | 29.99 1.36 0.00 | 37.90 1.88 0.00 | 35.05 1.72 0.00 | 39.24 1.76 0.00 | 38.59 1.51 0.00 | 34.58 1.31 0.00 | 32.71 1.22 0.00 | 30.78 1.40 0.00 | 25.83 1.18 0.00 | 24.66 1.08 0.00 |
| CLINTON___LFGE 323618 | 34.08 1.50 0.00 | 28.59 1.27 0.00 | 23.78 0.95 0.00 | 23.98 0.89 0.00 | 28.21 1.22 0.00 | 25.89 1.11 0.00 | 22.06 0.95 0.00 | 18.44 0.79 0.00 | 21.59 0.85 0.00 | 23.07 0.89 0.00 | 21.77 0.81 0.00 | 26.20 1.01 0.00 | 28.86 1.15 0.00 | 30.31 1.19 0.00 | 29.98 1.36 0.00 | 37.86 1.84 0.00 | 35.02 1.69 0.00 | 39.27 1.79 0.00 | 38.64 1.56 0.00 | 34.64 1.37 0.00 | 32.79 1.31 0.00 | 30.87 1.50 0.00 | 25.89 1.24 0.00 | 24.70 1.12 0.00 |
| COBBLENY_34_KV_TB1 80064 | 32.39 -0.19 0.00 | 27.11 -0.22 0.00 | 22.74 -0.09 0.00 | 23.08 -0.01 0.00 | 26.93 -0.06 0.00 | 24.71 -0.07 0.00 | 20.66 -0.44 0.00 | 17.24 -0.40 0.00 | 20.61 -0.13 0.00 | 22.34 0.17 0.00 | 21.18 0.23 0.00 | 25.26 0.07 0.00 | 27.58 -0.14 0.00 | 28.72 -0.40 0.00 | 28.47 -0.15 0.00 | 35.94 -0.08 0.00 | 32.88 -0.44 0.00 | 37.03 -0.45 0.00 | 36.85 -0.22 0.00 | 32.99 -0.28 0.00 | 31.15 -0.34 0.00 | 29.15 -0.22 0.00 | 24.72 0.07 0.00 | 23.81 0.23 0.00 |
| COFFEEN___115KV_TB3 355620 | 33.84 1.25 0.00 | 28.29 0.96 0.00 | 23.63 0.80 0.00 | 23.91 0.82 0.00 | 28.01 1.02 0.00 | 25.71 0.93 0.00 | 21.79 0.69 0.00 | 18.00 0.36 0.00 | 21.05 0.31 0.00 | 22.39 0.22 0.00 | 21.46 0.50 0.00 | 25.37 0.17 0.00 | 28.00 0.29 0.00 | 29.33 0.21 0.00 | 29.37 0.75 0.00 | 37.65 1.63 0.00 | 34.70 1.37 0.00 | 38.82 1.34 0.00 | 38.67 1.59 0.00 | 34.85 1.58 0.00 | 33.26 1.77 0.00 | 31.04 1.67 0.00 | 26.03 1.38 0.00 | 24.70 1.12 0.00 |
| COLDSPRG_115KV_BK1 355956 | 33.60 1.02 0.00 | 28.03 0.71 0.00 | 23.45 0.62 0.00 | 23.74 0.65 0.00 | 27.73 0.73 0.00 | 25.30 0.52 0.00 | 21.09 -0.01 0.00 | 17.54 -0.11 0.00 | 21.06 0.32 0.00 | 22.91 0.74 0.00 | 21.82 0.87 0.00 | 26.04 0.84 0.00 | 28.30 0.58 0.00 | 29.58 0.46 0.00 | 29.35 0.72 0.00 | 36.92 0.90 0.00 | 33.91 0.58 0.00 | 38.47 0.99 0.00 | 38.34 1.26 0.00 | 34.27 1.00 0.00 | 32.26 0.77 0.00 | 30.05 0.68 0.00 | 25.43 0.78 0.00 | 24.48 0.89 0.00 |
| COLONIE_LFGE___ 323577 | 33.34 0.76 0.00 | 27.98 0.66 0.00 | 23.46 0.63 0.00 | 23.77 0.68 0.00 | 27.77 0.78 0.00 | 25.46 0.68 0.00 | 21.72 0.62 0.00 | 18.15 0.51 0.00 | 21.23 0.49 0.00 | 22.54 0.37 0.00 | -113.87 0.34 135.16 | 24.82 0.40 0.76 | 27.26 0.42 0.88 | 19.12 0.46 10.46 | -4.26 0.46 33.35 | 32.57 0.57 4.02 | 32.62 0.74 1.44 | 38.25 1.25 0.48 | 38.57 1.49 0.00 | 34.74 1.47 0.00 | 32.85 1.37 0.00 | 30.32 0.95 0.00 | 25.27 0.62 0.00 | 24.03 0.45 0.00 |
| COOPERNY_115KV_TB1 80082 | 33.64 1.05 0.00 | 28.19 0.86 0.00 | 23.42 0.59 0.00 | 23.63 0.54 0.00 | 27.63 0.64 0.00 | 25.36 0.58 0.00 | 21.70 0.60 0.00 | 18.17 0.52 0.00 | 21.38 0.64 0.00 | 22.87 0.69 0.00 | 89.94 0.61 -68.38 | 26.37 0.80 -0.39 | 29.12 0.96 -0.44 | 35.49 1.08 -5.29 | 46.60 1.11 -16.87 | 39.48 1.42 -2.03 | 35.54 1.49 -0.73 | 39.77 2.05 -0.24 | 39.09 2.02 0.00 | 35.01 1.74 0.00 | 32.91 1.42 0.00 | 30.39 1.02 0.00 | 25.43 0.78 0.00 | 24.22 0.63 0.00 |
| COPENHAGEN_WT_PWR 323753 | 33.48 0.89 0.00 | 27.99 0.67 0.00 | 23.41 0.58 0.00 | 23.69 0.60 0.00 | 27.76 0.77 0.00 | 25.46 0.69 0.00 | 21.58 0.48 0.00 | 17.87 0.23 0.00 | 20.95 0.21 0.00 | 22.31 0.14 0.00 | 21.31 0.36 0.00 | 25.30 0.10 0.00 | 27.90 0.18 0.00 | 29.25 0.13 0.00 | 29.15 0.53 0.00 | 37.18 1.16 0.00 | 34.27 0.94 0.00 | 38.50 1.02 0.00 | 38.25 1.16 0.00 | 34.45 1.18 0.00 | 32.83 1.34 0.00 | 30.61 1.24 0.00 | 25.69 1.04 0.00 | 24.38 0.80 0.00 |
| CORNELL_____ 23752 | 33.17 0.58 0.00 | 27.75 0.42 0.00 | 23.18 0.36 0.00 | 23.45 0.36 0.00 | 27.42 0.42 0.00 | 25.13 0.35 0.00 | 21.36 0.25 0.00 | 17.81 0.17 0.00 | 20.94 0.20 0.00 | 22.36 0.19 0.00 | 21.13 0.18 0.00 | 25.35 0.15 0.00 | 27.91 0.19 0.00 | 29.31 0.19 0.00 | 28.93 0.30 0.00 | 36.52 0.50 0.00 | 34.02 0.69 0.00 | 38.50 1.02 0.00 | 38.09 1.01 0.00 | 34.16 0.89 0.00 | 32.26 0.77 0.00 | 29.97 0.59 0.00 | 25.12 0.47 0.00 | 24.05 0.47 0.00 |

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|--------------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ELLENBURG_WT_PWR 323604 | 34.07 1.49 0.00 | 28.60 1.27 0.00 | 23.78 0.95 0.00 | 23.98 0.89 0.00 | 28.23 1.23 0.00 | 25.89 1.11 0.00 | 22.06 0.96 0.00 | 18.44 0.80 0.00 | 21.57 0.83 0.00 | 23.04 0.87 0.00 | 21.76 0.81 0.00 | 26.21 1.02 0.00 | 28.87 1.15 0.00 | 30.34 1.21 0.00 | 29.99 1.36 0.00 | 37.90 1.88 0.00 | 35.05 1.72 0.00 | 39.24 1.76 0.00 | 38.59 1.51 0.00 | 34.58 1.31 0.00 | 32.71 1.22 0.00 | 30.78 1.40 0.00 | 25.83 1.18 0.00 | 24.66 1.08 0.00 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 31.99 -0.60 0.00 | 26.81 -0.51 0.00 | 22.50 -0.33 0.00 | 22.83 -0.26 0.00 | 26.63 -0.37 0.00 | 24.44 -0.34 0.00 | 20.42 -0.68 0.00 | 17.03 -0.61 0.00 | 20.34 -0.39 0.00 | 22.06 -0.11 0.00 | 20.90 -0.05 0.00 | 24.93 -0.26 0.00 | 27.17 -0.55 0.00 | 28.32 -0.80 0.00 | 28.05 -0.58 0.00 | 35.40 -0.62 0.00 | 32.36 -0.97 0.00 | 36.45 -1.03 0.00 | 36.26 -0.82 0.00 | 32.46 -0.82 0.00 | 30.65 -0.83 0.00 | 28.71 -0.66 0.00 | 24.38 -0.27 0.00 | 23.53 -0.05 0.00 |
| EMPIRE_CC_1 323656 | 32.89 0.31 0.00 | 27.68 0.35 0.00 | 23.23 0.40 0.00 | 23.54 0.45 0.00 | 27.44 0.45 0.00 | 25.18 0.40 0.00 | 21.48 0.38 0.00 | 17.97 0.33 0.00 | 21.00 0.26 0.00 | 22.32 0.16 0.01 | -171.41 0.14 192.50 | 24.28 0.18 1.09 | 26.58 0.11 1.25 | 14.40 0.18 14.90 | -18.66 0.21 47.49 | 30.52 0.22 5.72 | 31.60 0.33 2.05 | 37.54 0.75 0.68 | 38.04 0.96 0.00 | 34.24 0.97 0.00 | 32.39 0.90 0.00 | 29.87 0.50 0.00 | 24.90 0.25 0.00 | 23.68 0.10 0.00 |
| EMPIRE_CC_2 323658 | 32.89 0.31 0.00 | 27.68 0.35 0.00 | 23.23 0.40 0.00 | 23.54 0.45 0.00 | 27.44 0.45 0.00 | 25.18 0.40 0.00 | 21.48 0.38 0.00 | 17.97 0.33 0.00 | 21.00 0.26 0.00 | 22.32 0.16 0.01 | -171.41 0.14 192.50 | 24.28 0.18 1.09 | 26.58 0.11 1.25 | 14.40 0.18 14.90 | -18.66 0.21 47.49 | 30.52 0.22 5.72 | 31.60 0.33 2.05 | 37.54 0.75 0.68 | 38.04 0.96 0.00 | 34.24 0.97 0.00 | 32.39 0.90 0.00 | 29.87 0.50 0.00 | 24.90 0.25 0.00 | 23.68 0.10 0.00 |
| ENORWICH_115KV_TB1 80156 | 34.66 2.07 0.00 | 29.03 1.71 0.00 | 24.24 1.41 0.00 | 24.53 1.44 0.00 | 28.70 1.70 0.00 | 26.30 1.53 0.00 | 22.36 1.26 0.00 | 18.59 0.94 0.00 | 21.71 0.97 0.00 | 23.11 0.94 0.00 | 21.80 0.85 0.00 | 26.15 0.96 0.00 | 28.75 1.03 0.00 | 30.24 1.11 0.00 | 29.92 1.29 0.00 | 37.95 1.92 0.00 | 35.15 1.82 0.00 | 40.65 3.17 0.00 | 39.63 2.55 0.00 | 36.03 2.76 0.00 | 34.08 2.59 0.00 | 31.59 2.22 0.00 | 26.37 1.73 0.00 | 25.21 1.63 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 32.50 -0.09 0.00 | 27.20 -0.12 0.00 | 22.83 0.00 0.00 | 23.17 0.08 0.00 | 27.04 0.04 0.00 | 24.79 0.01 0.00 | 20.73 -0.37 0.00 | 17.31 -0.34 0.00 | 20.67 -0.07 0.00 | 22.39 0.22 0.00 | 21.23 0.27 0.00 | 25.28 0.08 0.00 | 27.63 -0.09 0.00 | 28.78 -0.34 0.00 | 28.52 -0.10 0.00 | 36.00 -0.02 0.00 | 32.94 -0.39 0.00 | 37.08 -0.40 0.00 | 36.91 -0.17 0.00 | 33.03 -0.24 0.00 | 31.19 -0.30 0.00 | 29.18 -0.19 0.00 | 24.75 0.10 0.00 | 23.86 0.27 0.00 |
| ERIE_WT_PWR 323693 | 32.22 -0.36 0.00 | 26.99 -0.33 0.00 | 21.56 -0.18 1.09 | 21.86 -0.11 1.12 | 26.40 -0.15 0.44 | 24.07 -0.19 0.51 | 20.53 -0.56 0.02 | 17.13 -0.51 0.00 | 20.47 -0.27 0.00 | 22.20 0.03 0.00 | 21.04 0.08 0.00 | 25.08 -0.11 0.00 | 27.34 -0.37 0.00 | 28.50 -0.62 0.00 | 28.28 -0.35 0.00 | 35.67 -0.35 0.00 | 32.60 -0.72 0.00 | 36.75 -0.73 0.00 | 36.56 -0.52 0.00 | 32.73 -0.54 0.00 | 30.91 -0.58 0.00 | 28.92 -0.45 0.00 | 24.11 -0.10 0.44 | 23.33 0.09 0.33 |
| ESPRGFLD_115KV_TB1 80157 | 34.60 2.01 0.00 | 28.98 1.65 0.00 | 23.98 1.15 0.00 | 24.18 1.09 0.00 | 28.26 1.26 0.00 | 25.96 1.19 0.00 | 22.05 0.95 0.00 | 18.34 0.69 0.00 | 21.65 0.92 0.00 | 23.33 1.16 0.00 | -10.32 1.22 32.49 | 26.35 1.35 0.18 | 29.02 1.52 0.21 | 28.31 1.70 2.51 | 22.25 1.64 8.02 | 37.27 2.21 0.97 | 35.09 2.11 0.34 | 39.55 2.18 0.12 | 39.38 2.30 0.00 | 35.29 2.02 0.00 | 33.32 1.83 0.00 | 31.17 1.80 0.00 | 26.21 1.56 0.00 | 25.10 1.52 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 33.13 0.55 0.00 | 27.73 0.40 0.00 | 23.17 0.34 0.00 | 23.43 0.34 0.00 | 27.40 0.40 0.00 | 25.11 0.33 0.00 | 21.34 0.24 0.00 | 17.80 0.16 0.00 | 20.93 0.19 0.00 | 22.34 0.17 0.00 | 21.12 0.16 0.00 | 25.34 0.14 0.00 | 27.89 0.17 0.00 | 29.29 0.17 0.00 | 28.90 0.27 0.00 | 36.49 0.47 0.00 | 33.96 0.64 0.00 | 38.45 0.97 0.00 | 38.04 0.96 0.00 | 34.12 0.84 0.00 | 32.23 0.74 0.00 | 29.93 0.56 0.00 | 25.09 0.44 0.00 | 24.03 0.44 0.00 |
| ETNA____115KV_TB2 80207 | 33.13 0.55 0.00 | 27.73 0.40 0.00 | 23.17 0.34 0.00 | 23.43 0.34 0.00 | 27.40 0.40 0.00 | 25.11 0.33 0.00 | 21.34 0.24 0.00 | 17.80 0.16 0.00 | 20.93 0.19 0.00 | 22.34 0.17 0.00 | 21.12 0.16 0.00 | 25.34 0.14 0.00 | 27.89 0.17 0.00 | 29.29 0.17 0.00 | 28.90 0.27 0.00 | 36.49 0.47 0.00 | 33.96 0.64 0.00 | 38.45 0.97 0.00 | 38.04 0.96 0.00 | 34.12 0.84 0.00 | 32.23 0.74 0.00 | 29.93 0.56 0.00 | 25.09 0.44 0.00 | 24.03 0.44 0.00 |
| EUCLID__115KV_TB2 356179 | 32.16 -0.42 0.00 | 26.96 -0.37 0.00 | 22.57 -0.26 0.00 | 22.85 -0.24 0.00 | 26.69 -0.31 0.00 | 24.48 -0.29 0.00 | 20.81 -0.29 0.00 | 17.38 -0.26 0.00 | 20.46 -0.27 0.00 | 21.90 -0.27 0.00 | 20.71 -0.24 0.00 | 24.89 -0.30 0.00 | 27.39 -0.33 0.00 | 28.72 -0.41 0.00 | 28.20 -0.43 0.00 | 35.45 -0.57 0.00 | 32.83 -0.50 0.00 | 37.01 -0.47 0.00 | 36.68 -0.40 0.00 | 32.91 -0.36 0.00 | 31.11 -0.38 0.00 | 28.93 -0.44 0.00 | 24.28 -0.37 0.00 | 23.33 -0.25 0.00 |
| E_CANADA_CAP_HY 24051 | 35.01 2.43 0.00 | 29.35 2.03 0.00 | 24.28 1.45 0.00 | 24.52 1.43 0.00 | 28.62 1.62 0.00 | 26.29 1.52 0.00 | 22.23 1.13 0.00 | 18.37 0.72 0.00 | 21.65 0.92 0.00 | 23.32 1.15 0.00 | -27.66 1.19 49.80 | 26.23 1.31 0.28 | 28.87 1.47 0.33 | 26.93 1.67 3.85 | 17.97 1.64 12.29 | 36.70 2.16 1.48 | 34.90 2.10 0.53 | 39.43 2.13 0.18 | 39.59 2.51 0.00 | 35.48 2.20 0.00 | 33.59 2.10 0.00 | 31.55 2.18 0.00 | 26.57 1.92 0.00 | 25.46 1.87 0.00 |
| E_CANADA_MHWK_HY 24050 | 32.76 0.18 0.00 | 27.45 0.12 0.00 | 23.02 0.19 0.00 | 23.30 0.21 0.00 | 27.10 0.11 0.00 | 24.76 -0.02 0.00 | 21.10 0.00 0.00 | 17.51 -0.13 0.00 | 20.38 -0.36 0.00 | 21.58 -0.60 0.00 | 20.48 -0.47 0.00 | 24.57 -0.62 0.00 | 27.04 -0.67 0.00 | 28.48 -0.64 0.00 | 28.18 -0.44 0.00 | 35.55 -0.47 0.00 | 33.24 -0.08 0.00 | 37.96 0.48 0.00 | 38.22 1.14 0.00 | 34.45 1.18 0.00 | 32.57 1.08 0.00 | 30.01 0.64 0.00 | 24.95 0.30 0.00 | 23.69 0.11 0.00 |
| E_FISHKILL__LBMP 23776 | 34.13 1.55 0.00 | 28.61 1.29 0.00 | 23.76 0.93 0.00 | 23.97 0.87 0.00 | 28.00 1.00 0.00 | 25.69 0.92 0.00 | 22.05 0.95 0.00 | 18.48 0.84 0.00 | 21.73 0.99 0.00 | 23.22 1.05 -0.01 | 166.95 0.93 -145.06 | 27.20 1.20 -0.82 | 30.10 1.44 -0.94 | 42.00 1.65 -11.22 | 66.06 1.65 -35.79 | 42.44 2.11 -4.31 | 37.02 2.16 -1.54 | 40.92 2.92 -0.52 | 39.97 2.89 0.00 | 35.81 2.54 0.00 | 33.54 2.05 0.00 | 30.86 1.49 0.00 | 25.74 1.09 0.00 | 24.46 0.88 0.00 |
| FALCON___SEABRD_CC1 323796 | 34.08 1.50 0.00 | 28.60 1.28 0.00 | 23.78 0.95 0.00 | 23.99 0.90 0.00 | 28.23 1.23 0.00 | 25.90 1.12 0.00 | 22.06 0.96 0.00 | 18.44 0.80 0.00 | 21.57 0.83 0.00 | 23.04 0.87 0.00 | 21.76 0.81 0.00 | 26.21 1.02 0.00 | 28.87 1.15 0.00 | 30.34 1.21 0.00 | 29.99 1.36 0.00 | 37.90 1.88 0.00 | 35.06 1.73 0.00 | 39.25 1.77 0.00 | 38.60 1.52 0.00 | 34.59 1.31 0.00 | 32.72 1.23 0.00 | 30.78 1.41 0.00 | 25.83 1.18 0.00 | 24.66 1.08 0.00 |

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| FPL FAR_ROCK_GT2 23815 | 34.80 2.21 0.00 | 29.50 2.17 0.00 | 24.44 1.61 0.00 | 24.59 1.50 0.00 | 28.72 1.73 0.00 | 26.35 1.58 0.00 | 22.56 1.46 0.00 | 18.91 1.26 0.00 | 22.23 1.49 0.00 | 23.85 1.67 -0.01 | 164.99 1.47 -142.57 | 27.90 1.90 -0.80 | 31.17 2.53 -0.92 | 43.40 2.94 -11.34 | 66.49 2.69 -35.17 | 68.39 3.56 -28.80 | 48.48 3.38 -11.78 | 48.54 4.32 -6.74 | 54.45 4.27 -13.09 | 44.19 3.72 -7.19 | 60.10 3.27 -25.34 | 32.34 2.63 -0.34 | 26.59 1.94 0.00 | 25.29 1.71 0.00 |
| FRANKLIN_FALL_HYD 24054 | 33.44 0.86 0.00 | 28.03 0.70 0.00 | 23.34 0.50 0.00 | 23.58 0.49 0.00 | 27.68 0.69 0.00 | 25.45 0.67 0.00 | 21.65 0.55 0.00 | 18.09 0.44 0.00 | 21.23 0.49 0.00 | 22.74 0.56 0.00 | 21.49 0.53 0.00 | 25.82 0.63 0.00 | 28.39 0.68 0.00 | 29.82 0.70 0.00 | 29.40 0.77 0.00 | 37.19 1.17 0.00 | 34.37 1.04 0.00 | 38.33 0.84 0.00 | 37.56 0.48 0.00 | 33.70 0.43 0.00 | 32.15 0.66 0.00 | 30.35 0.98 0.00 | 25.50 0.85 0.00 | 24.32 0.74 0.00 |
| FREEPORT_EQUS_GT1 23764 | 34.83 2.24 0.00 | 29.34 2.01 0.00 | 24.30 1.47 0.00 | 24.44 1.35 0.00 | 28.55 1.55 0.00 | 26.20 1.42 0.00 | 22.42 1.32 0.00 | 18.78 1.14 0.00 | 22.05 1.31 0.00 | 23.66 1.48 -0.01 | 164.76 1.24 -142.57 | 27.61 1.62 -0.80 | 30.91 2.27 -0.92 | 43.17 2.71 -11.34 | 66.17 2.37 -35.17 | 51.90 3.26 -12.61 | 42.31 3.40 -5.58 | 44.98 4.34 -3.16 | 46.89 4.11 -5.69 | 40.06 3.68 -3.11 | 45.23 3.15 -10.59 | 32.20 2.49 -0.34 | 26.43 1.78 0.00 | 25.17 1.59 0.00 |
| FREEPORT___CT2 23818 | 34.83 2.24 0.00 | 29.34 2.01 0.00 | 24.30 1.47 0.00 | 24.44 1.35 0.00 | 28.55 1.55 0.00 | 26.20 1.42 0.00 | 22.42 1.32 0.00 | 18.78 1.14 0.00 | 22.05 1.31 0.00 | 23.66 1.48 -0.01 | 164.76 1.24 -142.57 | 27.61 1.62 -0.80 | 30.91 2.27 -0.92 | 43.17 2.71 -11.34 | 66.17 2.37 -35.17 | 51.90 3.26 -12.61 | 42.31 3.40 -5.58 | 44.98 4.34 -3.16 | 46.89 4.11 -5.69 | 40.06 3.68 -3.11 | 45.23 3.15 -10.59 | 32.20 2.49 -0.34 | 26.43 1.78 0.00 | 25.17 1.59 0.00 |
| FRESHKLS_33_KV_LOAD 356253 | 34.74 2.15 0.00 | 29.11 1.79 0.00 | 24.16 1.33 0.00 | 24.31 1.22 0.00 | 28.38 1.39 0.00 | 26.06 1.28 0.00 | 22.42 1.32 0.00 | 18.78 1.14 0.00 | 22.12 1.38 0.00 | 23.63 1.45 -0.01 | 164.73 1.23 -142.55 | 27.64 1.64 -0.81 | 30.65 2.00 -0.93 | 42.42 2.26 -11.04 | 66.06 2.27 -35.17 | 43.20 2.94 -4.24 | 37.75 2.91 -1.52 | 41.83 3.84 -0.51 | 40.81 3.73 0.00 | 36.50 3.23 0.00 | 34.17 2.68 0.00 | 31.44 2.07 0.00 | 26.24 1.59 0.00 | 24.92 1.33 0.00 |
| FULTON COGEN____ 23766 | 32.07 -0.51 0.00 | 26.88 -0.45 0.00 | 22.52 -0.31 0.00 | 22.79 -0.29 0.00 | 26.62 -0.37 0.00 | 24.42 -0.35 0.00 | 20.76 -0.34 0.00 | 17.34 -0.31 0.00 | 20.39 -0.35 0.00 | 21.81 -0.36 0.00 | 20.63 -0.32 0.00 | 24.77 -0.42 0.00 | 27.28 -0.43 0.00 | 28.62 -0.51 0.00 | 28.11 -0.52 0.00 | 35.36 -0.66 0.00 | 32.73 -0.59 0.00 | 36.89 -0.59 0.00 | 36.56 -0.52 0.00 | 32.78 -0.49 0.00 | 31.00 -0.49 0.00 | 28.83 -0.54 0.00 | 24.18 -0.47 0.00 | 23.27 -0.31 0.00 |
| FULTON___LFGE 323630 | 37.01 4.42 0.00 | 30.96 3.63 0.00 | 25.64 2.81 0.00 | 25.79 2.70 0.00 | 30.09 3.09 0.00 | 27.64 2.87 0.00 | 23.29 2.19 0.00 | 18.82 1.17 0.00 | 21.55 0.81 0.00 | 22.95 0.78 0.00 | -35.12 1.12 57.20 | 25.53 0.66 0.32 | 27.92 0.57 0.37 | 25.45 0.75 4.43 | 15.17 0.66 14.11 | 36.57 2.25 1.70 | 35.94 3.22 0.61 | 41.98 4.70 0.20 | 42.16 5.08 0.00 | 38.00 4.72 0.00 | 35.92 4.43 0.00 | 33.57 4.20 0.00 | 28.20 3.55 0.00 | 26.95 3.36 0.00 |
| G.F.CEMENT___DRP 24184 | 33.88 1.29 0.00 | 28.41 1.08 0.00 | 24.12 1.29 0.00 | 24.48 1.39 0.00 | 28.61 1.61 0.00 | 26.22 1.44 0.00 | 22.39 1.29 0.00 | 18.65 1.01 0.00 | 21.82 1.09 0.00 | 23.20 1.04 0.00 | -83.87 0.87 105.70 | 25.54 0.95 0.60 | 28.02 0.98 0.69 | 21.88 0.94 8.18 | 3.35 0.80 26.08 | 33.71 0.83 3.14 | 33.47 1.27 1.12 | 38.96 1.86 0.38 | 39.46 2.38 0.00 | 35.51 2.23 0.00 | 33.63 2.14 0.00 | 31.05 1.68 0.00 | 25.87 1.22 0.00 | 24.58 1.00 0.00 |
| GARDENVILLE___LBMP 24039 | 32.13 -0.45 0.00 | 26.92 -0.41 0.00 | 22.59 -0.24 0.00 | 22.91 -0.18 0.00 | 26.73 -0.26 0.00 | 24.52 -0.26 0.00 | 20.49 -0.61 0.00 | 17.08 -0.57 0.00 | 20.40 -0.34 0.00 | 22.13 -0.04 0.00 | 20.98 0.02 0.00 | 25.02 -0.17 0.00 | 27.27 -0.45 0.00 | 28.40 -0.72 0.00 | 28.16 -0.46 0.00 | 35.55 -0.47 0.00 | 32.50 -0.82 0.00 | 36.64 -0.84 0.00 | 36.46 -0.62 0.00 | 32.63 -0.64 0.00 | 30.81 -0.68 0.00 | 28.83 -0.54 0.00 | 24.48 -0.17 0.00 | 23.61 0.03 0.00 |
| GARDNVLA_35_KV_LD 355827 | 32.24 -0.34 0.00 | 27.00 -0.32 0.00 | 22.66 -0.17 0.00 | 23.00 -0.09 0.00 | 26.82 -0.17 0.00 | 24.60 -0.17 0.00 | 20.56 -0.54 0.00 | 17.15 -0.49 0.00 | 20.49 -0.25 0.00 | 22.22 0.05 0.00 | 21.07 0.11 0.00 | 25.13 -0.06 0.00 | 27.40 -0.32 0.00 | 28.52 -0.60 0.00 | 28.28 -0.35 0.00 | 35.73 -0.30 0.00 | 32.65 -0.67 0.00 | 36.79 -0.69 0.00 | 36.60 -0.48 0.00 | 32.77 -0.51 0.00 | 30.93 -0.56 0.00 | 28.96 -0.41 0.00 | 24.58 -0.07 0.00 | 23.69 0.11 0.00 |
| GELCKHM___115KV_LOAD 80723 | 32.29 -0.30 0.00 | 27.07 -0.26 0.00 | 22.65 -0.18 0.00 | 22.92 -0.17 0.00 | 26.78 -0.21 0.00 | 24.57 -0.21 0.00 | 20.89 -0.22 0.00 | 17.44 -0.20 0.00 | 20.53 -0.21 0.00 | 21.98 -0.20 0.00 | 20.78 -0.17 0.00 | 24.97 -0.22 0.00 | 27.48 -0.23 0.00 | 28.83 -0.29 0.00 | 28.31 -0.32 0.00 | 35.61 -0.42 0.00 | 32.96 -0.36 0.00 | 37.17 -0.32 0.00 | 36.83 -0.25 0.00 | 33.04 -0.23 0.00 | 31.23 -0.25 0.00 | 29.04 -0.33 0.00 | 24.38 -0.27 0.00 | 23.42 -0.16 0.00 |
| GENERAL___MILLS 23808 | 32.19 -0.39 0.00 | 26.97 -0.36 0.00 | 22.63 -0.20 0.00 | 22.97 -0.12 0.00 | 26.79 -0.20 0.00 | 24.57 -0.21 0.00 | 20.54 -0.57 0.00 | 17.13 -0.52 0.00 | 20.46 -0.28 0.00 | 22.19 0.01 0.00 | 21.03 0.08 0.00 | 25.08 -0.11 0.00 | 27.34 -0.37 0.00 | 28.47 -0.65 0.00 | 28.23 -0.39 0.00 | 35.65 -0.37 0.00 | 32.60 -0.73 0.00 | 36.72 -0.76 0.00 | 36.54 -0.54 0.00 | 32.70 -0.57 0.00 | 30.88 -0.61 0.00 | 28.90 -0.46 0.00 | 24.53 -0.12 0.00 | 23.66 0.08 0.00 |
| GE_PLASTICS___DRP 24183 | 32.93 0.34 0.00 | 27.66 0.33 0.00 | 23.29 0.46 0.00 | 23.66 0.57 0.00 | 27.59 0.59 0.00 | 25.25 0.47 0.00 | 21.53 0.43 0.00 | 17.97 0.33 0.00 | 21.02 0.28 0.00 | 22.30 0.13 0.00 | -52.69 0.14 73.78 | 24.92 0.14 0.42 | 27.38 0.13 0.48 | 23.63 0.21 5.71 | 10.70 0.28 18.20 | 34.17 0.34 2.19 | 33.02 0.48 0.79 | 38.08 0.86 0.26 | 38.08 1.00 0.00 | 34.23 0.96 0.00 | 32.39 0.90 0.00 | 29.92 0.55 0.00 | 24.97 0.32 0.00 | 23.77 0.19 0.00 |
| GILBOA___1 23756 | 33.23 0.64 0.00 | 27.87 0.54 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.51 0.51 0.00 | 25.22 0.44 0.00 | 21.55 0.45 0.00 | 18.02 0.37 0.00 | 21.15 0.41 0.00 | 22.56 0.39 0.00 | 38.20 0.35 -16.90 | 25.73 0.44 -0.09 | 28.35 0.53 -0.11 | 31.03 0.60 -1.31 | 33.42 0.63 -4.17 | 37.32 0.80 -0.50 | 34.39 0.88 -0.18 | 38.85 1.31 -0.06 | 38.43 1.35 0.00 | 34.46 1.18 0.00 | 32.53 1.05 0.00 | 30.08 0.72 0.00 | 25.14 0.50 0.00 | 23.96 0.38 0.00 |
| GILBOA___2 23757 | 33.23 0.64 0.00 | 27.87 0.54 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.51 0.51 0.00 | 25.22 0.44 0.00 | 21.55 0.45 0.00 | 18.02 0.37 0.00 | 21.15 0.41 0.00 | 22.56 0.39 0.00 | 38.20 0.35 -16.90 | 25.73 0.44 -0.09 | 28.35 0.53 -0.11 | 31.03 0.60 -1.31 | 33.42 0.63 -4.17 | 37.32 0.80 -0.50 | 34.39 0.88 -0.18 | 38.85 1.31 -0.06 | 38.43 1.35 0.00 | 34.46 1.18 0.00 | 32.53 1.05 0.00 | 30.08 0.72 0.00 | 25.14 0.50 0.00 | 23.96 0.38 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GILBOA___3 23758 | 33.23 0.64 0.00 | 27.87 0.54 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.51 0.51 0.00 | 25.22 0.44 0.00 | 21.55 0.45 0.00 | 18.02 0.37 0.00 | 21.15 0.41 0.00 | 22.56 0.39 0.00 | 38.20 0.35 -16.90 | 25.73 0.44 -0.09 | 28.35 0.53 -0.11 | 31.03 0.60 -1.31 | 33.42 0.63 -4.17 | 37.32 0.80 -0.50 | 34.39 0.88 -0.18 | 38.85 1.31 -0.06 | 38.43 1.35 0.00 | 34.46 1.18 0.00 | 32.53 1.05 0.00 | 30.08 0.72 0.00 | 25.14 0.50 0.00 | 23.96 0.38 0.00 |
| GILBOA___4 23759 | 33.23 0.64 0.00 | 27.87 0.54 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.51 0.51 0.00 | 25.22 0.44 0.00 | 21.55 0.45 0.00 | 18.02 0.37 0.00 | 21.15 0.41 0.00 | 22.56 0.39 0.00 | 38.20 0.35 -16.90 | 25.73 0.44 -0.09 | 28.35 0.53 -0.11 | 31.03 0.60 -1.31 | 33.42 0.63 -4.17 | 37.32 0.80 -0.50 | 34.39 0.88 -0.18 | 38.85 1.31 -0.06 | 38.43 1.35 0.00 | 34.46 1.18 0.00 | 32.53 1.05 0.00 | 30.08 0.72 0.00 | 25.14 0.50 0.00 | 23.96 0.38 0.00 |
| GILBOA___ 23599 | 33.23 0.64 0.00 | 27.87 0.54 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.51 0.51 0.00 | 25.22 0.44 0.00 | 21.55 0.45 0.00 | 18.02 0.37 0.00 | 21.15 0.41 0.00 | 22.56 0.39 0.00 | 38.20 0.35 -16.90 | 25.73 0.44 -0.09 | 28.36 0.53 -0.11 | 31.03 0.61 -1.31 | 33.42 0.63 -4.17 | 37.33 0.80 -0.50 | 34.39 0.88 -0.18 | 38.85 1.31 -0.06 | 38.43 1.35 0.00 | 34.46 1.19 0.00 | 32.53 1.05 0.00 | 30.09 0.72 0.00 | 25.14 0.50 0.00 | 23.96 0.38 0.00 |
| GINNA___ 23603 | 30.77 -1.81 0.00 | 25.79 -1.54 0.00 | 21.23 -1.23 0.37 | 21.48 -1.23 0.38 | 25.39 -1.45 0.15 | 23.27 -1.33 0.17 | 19.80 -1.30 0.01 | 16.54 -1.11 0.00 | 19.57 -1.17 0.00 | 21.09 -1.09 0.00 | 19.97 -0.98 0.00 | 23.98 -1.21 0.00 | 26.31 -1.41 0.00 | 27.58 -1.55 0.00 | 27.12 -1.51 0.00 | 34.09 -1.93 0.00 | 31.37 -1.95 0.00 | 35.30 -2.18 0.00 | 35.06 -2.02 0.00 | 31.46 -1.81 0.00 | 29.75 -1.74 0.00 | 27.78 -1.60 0.00 | 23.23 -1.27 0.15 | 22.38 -1.09 0.11 |
| GLEN PARK___ 23778 | 33.78 1.19 0.00 | 28.24 0.92 0.00 | 23.59 0.76 0.00 | 23.88 0.78 0.00 | 27.98 0.98 0.00 | 25.67 0.89 0.00 | 21.75 0.65 0.00 | 17.98 0.34 0.00 | 21.03 0.29 0.00 | 22.38 0.21 0.00 | 21.43 0.48 0.00 | 25.36 0.17 0.00 | 27.99 0.27 0.00 | 29.32 0.20 0.00 | 29.33 0.71 0.00 | 37.57 1.55 0.00 | 34.63 1.31 0.00 | 38.78 1.30 0.00 | 38.59 1.51 0.00 | 34.78 1.51 0.00 | 33.19 1.70 0.00 | 30.97 1.60 0.00 | 25.97 1.32 0.00 | 24.65 1.07 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 34.92 2.34 0.00 | 29.26 1.93 0.00 | 24.27 1.44 0.00 | 24.43 1.34 0.00 | 28.51 1.52 0.00 | 26.18 1.40 0.00 | 22.51 1.41 0.00 | 18.90 1.25 0.00 | 22.27 1.53 0.00 | 23.86 1.68 -0.01 | 165.00 1.51 -142.55 | 27.91 1.92 -0.81 | 30.90 2.26 -0.93 | 42.68 2.52 -11.04 | 66.31 2.51 -35.17 | 43.43 3.17 -4.24 | 37.96 3.12 -1.52 | 42.05 4.06 -0.51 | 41.04 3.96 0.00 | 36.68 3.40 0.00 | 34.31 2.82 0.00 | 31.52 2.15 0.00 | 26.30 1.65 0.00 | 24.98 1.39 0.00 |
| GLENWOOD_IC_1_G5 23712 | 34.74 2.16 0.00 | 29.18 1.86 0.00 | 24.19 1.36 0.00 | 24.35 1.26 0.00 | 28.45 1.46 0.00 | 26.11 1.33 0.00 | 22.38 1.28 0.00 | 18.76 1.11 0.00 | 22.05 1.31 0.00 | 23.65 1.47 -0.01 | 164.84 1.32 -142.57 | 27.69 1.70 -0.80 | 30.83 2.19 -0.92 | 42.99 2.53 -11.34 | 66.22 2.42 -35.17 | 48.38 3.21 -9.15 | 40.79 3.20 -4.26 | 44.00 4.12 -2.39 | 45.16 3.96 -4.12 | 38.97 3.47 -2.24 | 41.89 2.95 -7.44 | 31.95 2.25 -0.34 | 26.28 1.63 0.00 | 25.00 1.41 0.00 |
| GLENWOOD_IC_2_G1 23688 | 34.60 2.02 0.00 | 29.06 1.74 0.00 | 24.09 1.26 0.00 | 24.27 1.18 0.00 | 28.34 1.35 0.00 | 26.01 1.24 0.00 | 22.32 1.22 0.00 | 18.71 1.07 0.00 | 22.00 1.26 0.00 | 23.58 1.40 -0.01 | 164.78 1.26 -142.57 | 27.59 1.59 -0.80 | 30.66 2.02 -0.92 | 42.79 2.33 -11.34 | 66.04 2.25 -35.17 | 44.42 2.91 -5.49 | 39.13 2.94 -2.86 | 42.91 3.84 -1.58 | 43.23 3.71 -2.44 | 37.82 3.24 -1.31 | 38.30 2.70 -4.11 | 31.77 2.06 -0.34 | 26.16 1.51 0.00 | 24.87 1.29 0.00 |
| GLENWOOD_IC_3_G1 23689 | 34.60 2.02 0.00 | 29.06 1.74 0.00 | 24.09 1.26 0.00 | 24.27 1.18 0.00 | 28.34 1.35 0.00 | 26.01 1.24 0.00 | 22.32 1.22 0.00 | 18.71 1.07 0.00 | 22.00 1.26 0.00 | 23.58 1.40 -0.01 | 164.78 1.26 -142.57 | 27.59 1.59 -0.80 | 30.66 2.02 -0.92 | 42.79 2.33 -11.34 | 66.04 2.25 -35.17 | 44.42 2.91 -5.49 | 39.13 2.94 -2.86 | 42.91 3.84 -1.58 | 43.23 3.71 -2.44 | 37.82 3.24 -1.31 | 38.30 2.70 -4.11 | 31.77 2.06 -0.34 | 26.16 1.51 0.00 | 24.87 1.29 0.00 |
| GLENWOOD___4 23550 | 34.74 2.16 0.00 | 29.18 1.86 0.00 | 24.19 1.36 0.00 | 24.35 1.26 0.00 | 28.45 1.46 0.00 | 26.11 1.33 0.00 | 22.38 1.28 0.00 | 18.76 1.11 0.00 | 22.05 1.31 0.00 | 23.65 1.47 -0.01 | 164.84 1.32 -142.57 | 27.69 1.70 -0.80 | 30.83 2.19 -0.92 | 42.99 2.53 -11.34 | 66.22 2.42 -35.17 | 48.38 3.21 -9.15 | 40.79 3.20 -4.26 | 44.00 4.12 -2.39 | 45.16 3.96 -4.12 | 38.97 3.47 -2.24 | 41.89 2.95 -7.44 | 31.95 2.25 -0.34 | 26.28 1.63 0.00 | 25.00 1.41 0.00 |
| GLENWOOD___5 23614 | 34.74 2.16 0.00 | 29.18 1.86 0.00 | 24.19 1.36 0.00 | 24.35 1.26 0.00 | 28.45 1.46 0.00 | 26.11 1.33 0.00 | 22.38 1.28 0.00 | 18.76 1.11 0.00 | 22.05 1.31 0.00 | 23.65 1.47 -0.01 | 164.84 1.32 -142.57 | 27.69 1.70 -0.80 | 30.83 2.19 -0.92 | 42.99 2.53 -11.34 | 66.22 2.42 -35.17 | 48.38 3.21 -9.15 | 40.79 3.20 -4.26 | 44.00 4.12 -2.39 | 45.16 3.96 -4.12 | 38.97 3.47 -2.24 | 41.89 2.95 -7.44 | 31.95 2.25 -0.34 | 26.28 1.63 0.00 | 25.00 1.41 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 34.83 2.24 0.00 | 29.58 2.26 0.00 | 24.58 1.75 0.00 | 24.50 1.41 0.00 | 28.59 1.59 0.00 | 26.42 1.64 0.00 | 22.77 1.67 0.00 | 19.26 1.61 0.00 | 22.62 1.88 0.00 | 24.30 2.12 -0.01 | 165.23 1.71 -142.57 | 27.75 1.75 -0.80 | 31.87 3.22 -0.92 | 44.27 3.81 -11.34 | 66.44 2.64 -35.17 | 43.87 4.29 -3.55 | 40.12 4.68 -2.12 | 55.64 6.15 -12.01 | 56.77 5.89 -13.81 | 42.97 5.18 -4.52 | 38.46 4.63 -2.35 | 33.58 3.88 -0.34 | 27.48 2.82 0.00 | 25.92 2.34 0.00 |
| GLOBE___DSASP 323697 | 30.97 -1.61 0.00 | 26.04 -1.29 0.00 | 21.89 -0.94 0.00 | 22.23 -0.86 0.00 | 25.89 -1.10 0.00 | 23.81 -0.97 0.00 | 19.90 -1.20 0.00 | 16.61 -1.03 0.00 | 19.82 -0.92 0.00 | 21.48 -0.69 0.00 | 20.30 -0.65 0.00 | 24.21 -0.98 0.00 | 26.37 -1.35 0.00 | 27.52 -1.60 0.00 | 27.20 -1.43 0.00 | 34.30 -1.72 0.00 | 31.26 -2.06 0.00 | 35.13 -2.35 0.00 | 34.94 -2.14 0.00 | 31.30 -1.97 0.00 | 29.59 -1.90 0.00 | 27.79 -1.58 0.00 | 23.70 -0.94 0.00 | 23.02 -0.56 0.00 |
| GOETHSLN___LBMP 323567 | 34.53 1.94 0.00 | 28.93 1.60 0.00 | 24.00 1.17 0.00 | 24.18 1.09 0.00 | 28.22 1.22 0.00 | 25.91 1.13 0.00 | 22.30 1.20 0.00 | 18.71 1.06 0.00 | 22.05 1.31 0.00 | 23.61 1.44 -0.01 | 164.79 1.30 -142.54 | 27.64 1.64 -0.80 | 30.57 1.93 -0.92 | 42.31 2.16 -11.03 | 65.95 2.16 -35.17 | 43.00 2.75 -4.24 | 37.59 2.75 -1.52 | 41.66 3.67 -0.51 | 40.59 3.51 0.00 | 36.30 3.03 0.00 | 33.97 2.48 0.00 | 31.20 1.83 0.00 | 26.06 1.41 0.00 | 24.75 1.17 0.00 |
| GOLAH___69_KV_TB 1_2 80279 | 32.34 -0.25 0.00 | 27.11 -0.22 0.00 | 22.71 -0.12 0.00 | 23.01 -0.08 0.00 | 26.84 -0.15 0.00 | 24.66 -0.11 0.00 | 20.76 -0.34 0.00 | 17.32 -0.33 0.00 | 20.53 -0.20 0.00 | 22.18 0.01 0.00 | 21.02 0.07 0.00 | 25.20 0.01 0.00 | 27.61 -0.10 0.00 | 28.89 -0.23 0.00 | 28.47 -0.16 0.00 | 35.79 -0.24 0.00 | 32.87 -0.46 0.00 | 36.95 -0.53 0.00 | 36.73 -0.35 0.00 | 32.94 -0.33 0.00 | 31.20 -0.29 0.00 | 29.16 -0.21 0.00 | 24.63 -0.02 0.00 | 23.71 0.12 0.00 |

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|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| GOODYEAR_LAKE_HYD 323669 | 33.93 1.35 0.00 | 28.42 1.09 0.00 | 23.61 0.78 0.00 | 23.84 0.75 0.00 | 27.87 0.88 0.00 | 25.59 0.81 0.00 | 21.81 0.71 0.00 | 18.21 0.56 0.00 | 21.46 0.72 0.00 | 23.02 0.85 0.00 | 21.80 0.84 0.00 | 26.18 0.99 0.00 | 28.84 1.12 0.00 | 30.35 1.23 0.00 | 29.87 1.25 0.00 | 37.69 1.68 0.00 | 34.98 1.66 0.00 | 39.45 1.97 0.00 | 39.01 1.93 0.00 | 35.00 1.73 0.00 | 33.02 1.53 0.00 | 30.67 1.31 0.00 | 25.71 1.06 0.00 | 24.55 0.97 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 32.99 0.41 0.00 | 27.59 0.26 0.00 | 23.02 0.19 0.00 | 23.31 0.22 0.00 | 27.26 0.26 0.00 | 24.95 0.17 0.00 | 21.22 0.12 0.00 | 17.74 0.09 0.00 | 20.93 0.19 0.00 | 22.39 0.22 0.00 | 21.18 0.22 0.00 | 25.41 0.22 0.00 | 27.98 0.26 0.00 | 29.33 0.20 0.00 | 28.93 0.30 0.00 | 36.47 0.45 0.00 | 33.89 0.56 0.00 | 38.33 0.85 0.00 | 37.90 0.82 0.00 | 33.97 0.70 0.00 | 32.02 0.54 0.00 | 29.71 0.34 0.00 | 24.91 0.26 0.00 | 23.84 0.26 0.00 |
| GOUDEY___7 23579 | 33.02 0.43 0.00 | 27.61 0.28 0.00 | 23.04 0.21 0.00 | 23.32 0.23 0.00 | 27.28 0.29 0.00 | 24.97 0.19 0.00 | 21.24 0.14 0.00 | 17.74 0.10 0.00 | 20.95 0.21 0.00 | 22.41 0.23 0.00 | 21.19 0.24 0.00 | 25.43 0.24 0.00 | 28.01 0.29 0.00 | 29.35 0.23 0.00 | 28.96 0.33 0.00 | 36.51 0.49 0.00 | 33.92 0.60 0.00 | 38.37 0.89 0.00 | 37.93 0.85 0.00 | 33.99 0.72 0.00 | 32.06 0.57 0.00 | 29.74 0.37 0.00 | 24.93 0.28 0.00 | 23.86 0.28 0.00 |
| GOUDEY___8 23580 | 32.99 0.41 0.00 | 27.59 0.26 0.00 | 23.02 0.19 0.00 | 23.31 0.22 0.00 | 27.26 0.26 0.00 | 24.95 0.17 0.00 | 21.22 0.12 0.00 | 17.74 0.09 0.00 | 20.93 0.19 0.00 | 22.39 0.22 0.00 | 21.18 0.22 0.00 | 25.41 0.22 0.00 | 27.98 0.26 0.00 | 29.33 0.20 0.00 | 28.93 0.30 0.00 | 36.47 0.45 0.00 | 33.89 0.56 0.00 | 38.33 0.85 0.00 | 37.90 0.82 0.00 | 33.97 0.70 0.00 | 32.02 0.54 0.00 | 29.71 0.34 0.00 | 24.91 0.26 0.00 | 23.84 0.26 0.00 |
| GOWANUS_GT1_1 24077 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT1_2 24078 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT1_3 24079 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT1_4 24080 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT1_5 24084 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT1_6 24111 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT1_7 24112 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT1_8 24113 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT2_1 24114 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT2_2 24115 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT2_3 24116 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |

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| GOWANUS_GT2_4 24117 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT2_5 24118 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT2_6 24119 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT2_7 24120 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT2_8 24121 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT3_1 24122 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT3_2 24123 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT3_3 24124 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 | | | | | | | | | | | | | | | | | | |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GOWANUS_GT4_3 24132 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT4_4 24133 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT4_5 24134 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT4_6 24135 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT4_7 24136 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GOWANUS_GT4_8 24137 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GREENBSH_115KV_TB3 55895 | 32.75 0.17 0.00 | 27.53 0.20 0.00 | 23.30 0.48 0.00 | 23.73 0.64 0.00 | 27.63 0.64 0.00 | 25.25 0.47 0.00 | 21.52 0.42 0.00 | 17.95 0.31 0.00 | 20.97 0.23 0.00 | 22.18 0.01 0.00 | -76.77 0.04 97.77 | 24.63 -0.01 0.55 | 27.05 -0.04 0.63 | 21.60 0.05 7.57 | 4.62 0.12 24.12 | 33.25 0.13 2.91 | 32.57 0.29 1.04 | 37.82 0.68 0.35 | 37.92 0.85 0.00 | 34.11 0.84 0.00 | 32.28 0.79 0.00 | 29.80 0.43 0.00 | 24.85 0.20 0.00 | 23.64 0.05 0.00 |
| GREENDGE_115KV_TB5 80291 | 32.81 0.23 0.00 | 27.43 0.10 0.00 | 22.91 0.08 0.00 | 23.22 0.13 0.00 | 27.14 0.15 0.00 | 24.83 0.05 0.00 | 21.01 -0.09 0.00 | 17.52 -0.12 0.00 | 20.70 -0.04 0.00 | 22.18 0.01 0.00 | 20.96 0.00 0.00 | 25.16 -0.03 0.00 | 27.60 -0.12 0.00 | 28.91 -0.21 0.00 | 28.62 -0.01 0.00 | 36.17 0.14 0.00 | 33.56 0.23 0.00 | 37.74 0.26 0.00 | 37.46 0.38 0.00 | 33.58 0.31 0.00 | 31.71 0.22 0.00 | 29.61 0.24 0.00 | 24.88 0.23 0.00 | 23.83 0.25 0.00 |
| GREENIDGE___3 23582 | 32.81 0.23 0.00 | 27.43 0.10 0.00 | 22.91 0.08 0.00 | 23.22 0.13 0.00 | 27.14 0.15 0.00 | 24.83 0.05 0.00 | 21.01 -0.09 0.00 | 17.52 -0.12 0.00 | 20.70 -0.04 0.00 | 22.18 0.01 0.00 | 20.96 0.00 0.00 | 25.16 -0.03 0.00 | 27.60 -0.12 0.00 | 28.91 -0.21 0.00 | 28.62 -0.01 0.00 | 36.17 0.14 0.00 | 33.56 0.23 0.00 | 37.74 0.26 0.00 | 37.46 0.38 0.00 | 33.58 0.31 0.00 | 31.71 0.22 0.00 | 29.61 0.24 0.00 | 24.88 0.23 0.00 | 23.83 0.25 0.00 |
| GREENIDGE___4 23583 | 32.82 0.23 0.00 | 27.43 0.11 0.00 | 23.48 0.09 -0.55 | 23.79 0.13 -0.57 | 27.38 0.16 -0.22 | 25.09 0.06 -0.26 | 21.02 -0.09 -0.01 | 17.52 -0.12 0.00 | 20.70 -0.04 0.00 | 22.18 0.01 0.00 | 20.96 0.00 0.00 | 25.17 -0.02 0.00 | 27.60 -0.12 0.00 | 28.92 -0.20 0.00 | 28.64 0.01 0.00 | 36.17 0.14 0.00 | 33.56 0.23 0.00 | 37.74 0.26 0.00 | 37.46 0.38 0.00 | 33.58 0.31 0.00 | 31.71 0.22 0.00 | 29.61 0.24 0.00 | 25.11 0.23 -0.22 | 24.00 0.25 -0.17 |
| GREENLWN_69_KV_BK 3 55738 | 34.53 1.95 0.00 | 29.20 1.88 0.00 | 24.20 1.37 0.00 | 24.31 1.22 0.00 | 28.41 1.41 0.00 | 26.07 1.29 0.00 | 22.25 1.15 0.00 | 18.60 0.96 0.00 | 21.77 1.03 0.00 | 23.35 1.17 -0.01 | 164.54 1.02 -142.57 | 27.26 1.26 -0.80 | 30.65 2.01 -0.92 | 42.99 2.53 -11.34 | 66.14 2.34 -35.17 | 42.87 2.99 -3.85 | 38.58 3.02 -2.23 | 40.27 3.97 1.19 | 39.84 3.78 1.02 | 36.70 3.35 -0.08 | 37.00 2.90 -2.61 | 31.94 2.23 -0.34 | 26.21 1.56 0.00 | 25.01 1.43 0.00 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| GRISSOM___SOLAR 323813 | 37.01 4.42 0.00 | 30.96 3.63 0.00 | 25.64 2.81 0.00 | 25.79 2.70 0.00 | 30.09 3.09 0.00 | 27.64 2.87 0.00 | 23.29 2.19 0.00 | 18.82 1.17 0.00 | 21.55 0.81 0.00 | 22.95 0.78 0.00 | -35.12 1.12 57.20 | 25.53 0.66 0.32 | 27.92 0.57 0.37 | 25.45 0.75 4.43 | 15.17 0.66 14.11 | 36.57 2.25 1.70 | 35.94 3.22 0.61 | 41.98 4.70 0.20 | 42.16 5.08 0.00 | 38.00 4.72 0.00 | 35.92 4.43 0.00 | 33.57 4.20 0.00 | 28.20 3.55 0.00 | 26.95 3.36 0.00 |
| GROVEVILLE___HYD 323602 | 34.52 1.93 0.00 | 28.90 1.57 0.00 | 23.99 1.16 0.00 | 24.19 1.10 0.00 | 28.26 1.27 0.00 | 25.93 1.16 0.00 | 22.25 1.15 0.00 | 18.65 1.00 0.00 | 21.93 1.19 0.00 | 23.44 1.26 0.00 | 140.65 1.15 -118.55 | 27.34 1.48 -0.67 | 30.27 1.78 -0.77 | 40.30 2.01 -9.17 | 59.90 2.03 -29.25 | 42.18 2.63 -3.52 | 37.25 2.67 -1.26 | 41.44 3.54 -0.42 | 40.57 3.49 0.00 | 36.33 3.06 0.00 | 34.03 2.54 0.00 | 31.29 1.92 0.00 | 26.09 1.44 0.00 | 24.78 1.19 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 32.51 -0.08 0.00 | 27.23 -0.09 0.00 | 22.79 -0.03 0.00 | 23.06 -0.03 0.00 | 26.96 -0.04 0.00 | 24.72 -0.05 0.00 | 21.01 -0.09 0.00 | 17.55 -0.09 0.00 | 20.66 -0.08 0.00 | 22.10 -0.08 0.00 | 20.90 -0.05 0.00 | 25.12 -0.08 0.00 | 27.65 -0.07 0.00 | 29.01 -0.11 0.00 | 28.50 -0.13 0.00 | 35.87 -0.16 0.00 | 33.21 -0.12 0.00 | 37.44 -0.04 0.00 | 37.11 0.03 0.00 | 33.27 0.00 0.00 | 31.46 -0.03 0.00 | 29.24 -0.13 0.00 | 24.54 -0.11 0.00 | 23.58 0.00 0.00 |

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| HAMLTNNY_34_KV_TB 80303 | 32.51 -0.08 0.00 | 27.23 -0.09 0.00 | 22.80 -0.03 0.00 | 23.05 -0.03 0.00 | 26.95 -0.05 0.00 | 24.72 -0.06 0.00 | 21.00 -0.10 0.00 | 17.54 -0.10 0.00 | 20.66 -0.08 0.00 | 22.09 -0.09 0.00 | 20.90 -0.06 0.00 | 25.11 -0.09 0.00 | 27.62 -0.10 0.00 | 29.02 -0.11 0.00 | 28.52 -0.11 0.00 | 35.90 -0.12 0.00 | 33.21 -0.12 0.00 | 37.42 -0.06 0.00 | 37.12 0.04 0.00 | 33.28 0.01 0.00 | 31.48 -0.01 0.00 | 29.24 -0.13 0.00 | 24.54 -0.11 0.00 | 23.59 0.01 0.00 |
| HAMPSHIRE___PAPER_HYD 323593 | 33.34 0.75 0.00 | 27.89 0.57 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.59 0.59 0.00 | 25.33 0.55 0.00 | 21.51 0.41 0.00 | 17.90 0.25 0.00 | 21.01 0.27 0.00 | 22.46 0.29 0.00 | 21.29 0.34 0.00 | 25.46 0.27 0.00 | 28.01 0.29 0.00 | 29.42 0.30 0.00 | 29.11 0.48 0.00 | 36.96 0.94 0.00 | 34.12 0.80 0.00 | 38.17 0.69 0.00 | 37.39 0.30 0.00 | 33.61 0.34 0.00 | 32.25 0.76 0.00 | 30.25 0.88 0.00 | 25.43 0.78 0.00 | 24.25 0.67 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 32.79 0.21 0.00 | 27.49 0.17 0.00 | 23.03 0.20 0.00 | 23.30 0.21 0.00 | 27.06 0.06 0.00 | 24.70 -0.07 0.00 | 21.07 -0.03 0.00 | 17.54 -0.10 0.00 | 20.49 -0.25 0.00 | 21.76 -0.42 0.00 | 20.65 -0.30 0.00 | 24.78 -0.41 0.00 | 27.28 -0.44 0.00 | 28.72 -0.40 0.00 | 28.38 -0.25 0.00 | 35.78 -0.24 0.00 | 33.37 0.04 0.00 | 37.69 0.21 0.00 | 38.08 1.00 0.00 | 34.31 1.04 0.00 | 32.41 0.93 0.00 | 29.92 0.55 0.00 | 24.93 0.28 0.00 | 23.71 0.13 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 34.38 1.80 0.00 | 28.79 1.46 0.00 | 23.86 1.03 0.00 | 24.06 0.97 0.00 | 28.12 1.12 0.00 | 25.81 1.03 0.00 | 22.13 1.03 0.00 | 18.53 0.89 0.00 | 21.81 1.08 0.00 | 23.36 1.19 0.00 | 139.81 1.09 -117.76 | 27.28 1.42 -0.66 | 30.19 1.71 -0.76 | 40.16 1.93 -9.11 | 59.61 1.94 -29.05 | 42.02 2.49 -3.50 | 37.13 2.55 -1.25 | 41.28 3.38 -0.42 | 40.39 3.31 0.00 | 36.12 2.85 0.00 | 33.85 2.36 0.00 | 31.13 1.76 0.00 | 25.98 1.33 0.00 | 24.70 1.11 0.00 |
| HARSNRAD_115KV_TB1 81005 | 31.55 -1.03 0.00 | 26.49 -0.84 0.00 | 22.23 -0.60 0.00 | 22.56 -0.53 0.00 | 26.32 -0.67 0.00 | 24.19 -0.59 0.00 | 20.23 -0.88 0.00 | 16.86 -0.79 0.00 | 20.11 -0.63 0.00 | 21.80 -0.37 0.00 | 20.64 -0.31 0.00 | 24.63 -0.56 0.00 | 26.83 -0.88 0.00 | 28.00 -1.13 0.00 | 27.69 -0.93 0.00 | 34.91 -1.12 0.00 | 31.85 -1.48 0.00 | 35.80 -1.68 0.00 | 35.63 -1.45 0.00 | 31.92 -1.35 0.00 | 30.18 -1.31 0.00 | 28.33 -1.04 0.00 | 24.08 -0.57 0.00 | 23.27 -0.32 0.00 |
| HARZA MOOSE___RIVER 24016 | 33.52 0.93 0.00 | 28.05 0.72 0.00 | 23.43 0.60 0.00 | 23.70 0.61 0.00 | 27.74 0.74 0.00 | 25.43 0.66 0.00 | 21.61 0.51 0.00 | 17.98 0.34 0.00 | 21.11 0.38 0.00 | 22.53 0.36 0.00 | 21.35 0.40 0.00 | 25.55 0.36 0.00 | 28.13 0.41 0.00 | 29.56 0.43 0.00 | 29.26 0.63 0.00 | 37.10 1.08 0.00 | 34.35 1.03 0.00 | 38.79 1.31 0.00 | 38.32 1.24 0.00 | 34.44 1.17 0.00 | 32.68 1.19 0.00 | 30.40 1.03 0.00 | 25.49 0.84 0.00 | 24.33 0.75 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 32.30 -0.28 0.00 | 27.07 -0.26 0.00 | 22.65 -0.17 0.00 | 22.93 -0.16 0.00 | 26.79 -0.21 0.00 | 24.57 -0.21 0.00 | 20.89 -0.22 0.00 | 17.44 -0.20 0.00 | 20.54 -0.20 0.00 | 21.98 -0.19 0.00 | 20.79 -0.16 0.00 | 24.98 -0.21 0.00 | 27.51 -0.21 0.00 | 28.84 -0.29 0.00 | 28.32 -0.30 0.00 | 35.62 -0.40 0.00 | 32.99 -0.33 0.00 | 37.22 -0.26 0.00 | 36.88 -0.20 0.00 | 33.08 -0.20 0.00 | 31.26 -0.23 0.00 | 29.06 -0.31 0.00 | 24.39 -0.25 0.00 | 23.43 -0.15 0.00 |
| HELLGATE_13_KV_LD 55870 | 34.79 2.21 0.00 | 29.16 1.83 0.00 | 24.20 1.36 0.00 | 24.35 1.26 0.00 | 28.42 1.42 0.00 | 26.09 1.31 0.00 | 22.44 1.34 0.00 | 18.83 1.19 0.00 | 22.18 1.44 0.00 | 23.76 1.58 -0.01 | 164.91 1.41 -142.55 | 27.80 1.80 -0.81 | 30.78 2.14 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.27 3.01 -4.24 | 37.80 2.96 -1.52 | 41.87 3.88 -0.51 | 40.86 3.78 0.00 | 36.54 3.27 0.00 | 34.14 2.65 0.00 | 31.37 2.00 0.00 | 26.18 1.53 0.00 | 24.86 1.28 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 34.79 2.21 0.00 | 29.16 1.83 0.00 | 24.20 1.36 0.00 | 24.35 1.26 0.00 | 28.42 1.42 0.00 | 26.09 1.31 0.00 | 22.44 1.34 0.00 | 18.83 1.19 0.00 | 22.18 1.44 0.00 | 23.76 1.58 -0.01 | 164.91 1.41 -142.55 | 27.80 1.80 -0.81 | 30.78 2.14 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.27 3.01 -4.24 | 37.80 2.96 -1.52 | 41.87 3.88 -0.51 | 40.86 3.78 0.00 | 36.54 3.27 0.00 | 34.14 2.65 0.00 | 31.37 2.00 0.00 | 26.18 1.53 0.00 | 24.86 1.28 0.00 |
| HEMPSTEAD____ 23647 | 34.61 2.03 0.00 | 29.13 1.81 0.00 | 24.14 1.31 0.00 | 24.28 1.19 0.00 | 28.36 1.37 0.00 | 26.03 1.25 0.00 | 22.30 1.19 0.00 | 18.68 1.03 0.00 | 21.94 1.20 0.00 | 23.53 1.35 -0.01 | 164.70 1.18 -142.57 | 27.51 1.51 -0.80 | 30.73 2.08 -0.92 | 42.94 2.48 -11.34 | 66.07 2.27 -35.17 | 49.35 3.01 -10.31 | 41.15 3.12 -4.70 | 44.15 4.01 -2.65 | 45.55 3.82 -4.65 | 39.19 3.40 -2.53 | 42.85 2.86 -8.50 | 31.92 2.21 -0.34 | 26.23 1.58 0.00 | 24.96 1.38 0.00 |
| HEWLETT_69_KV_BK3 55828 | 34.76 2.17 0.00 | 29.37 2.05 0.00 | 24.34 1.51 0.00 | 24.48 1.39 0.00 | 28.60 1.61 0.00 | 26.25 1.47 0.00 | 22.47 1.37 0.00 | 18.83 1.19 0.00 | 22.13 1.39 0.00 | 23.74 1.57 -0.01 | 164.86 1.34 -142.57 | 27.76 1.77 -0.80 | 31.03 2.39 -0.92 | 43.23 2.77 -11.34 | 66.34 2.54 -35.17 | 68.29 3.47 -28.80 | 48.41 3.31 -11.78 | 48.48 4.26 -6.74 | 54.34 4.16 -13.09 | 44.09 3.62 -7.19 | 60.04 3.21 -25.34 | 32.21 2.50 -0.34 | 26.47 1.82 0.00 | 25.18 1.60 0.00 |
| HICKLING___1 23621 | 32.96 0.37 0.00 | 27.46 0.13 0.00 | 22.91 0.08 0.00 | 23.23 0.15 0.00 | 27.20 0.21 0.00 | 24.80 0.02 0.00 | 20.97 -0.13 0.00 | 17.48 -0.17 0.00 | 20.77 0.02 0.00 | 22.30 0.13 0.00 | 21.13 0.17 0.00 | 25.26 0.07 0.00 | 27.76 0.05 0.00 | 28.93 -0.19 0.00 | 28.68 0.06 0.00 | 36.47 0.44 0.00 | 33.86 0.54 0.00 | 38.25 0.77 0.00 | 37.89 0.81 0.00 | 33.85 0.58 0.00 | 31.87 0.38 0.00 | 29.58 0.21 0.00 | 24.84 0.19 0.00 | 23.79 0.20 0.00 |
| HICKLING___2 23622 | 32.96 0.37 0.00 | 27.46 0.13 0.00 | 22.91 0.08 0.00 | 23.23 0.15 0.00 | 27.20 0.21 0.00 | 24.80 0.02 0.00 | 20.97 -0.13 0.00 | 17.48 -0.17 0.00 | 20.77 0.02 0.00 | 22.30 0.13 0.00 | 21.13 0.17 0.00 | 25.26 0.07 0.00 | 27.76 0.05 0.00 | 28.93 -0.19 0.00 | 28.68 0.06 0.00 | 36.47 0.44 0.00 | 33.86 0.54 0.00 | 38.25 0.77 0.00 | 37.89 0.81 0.00 | 33.85 0.58 0.00 | 31.87 0.38 0.00 | 29.58 0.21 0.00 | 24.84 0.19 0.00 | 23.79 0.20 0.00 |
| HIGH FALLS___HY 23754 | 34.44 1.85 0.00 | 28.79 1.47 0.00 | 23.76 0.93 0.00 | 23.89 0.81 0.00 | 27.94 0.95 0.00 | 25.67 0.90 0.00 | 22.04 0.94 0.00 | 18.50 0.85 0.00 | 21.75 1.02 0.00 | 23.25 1.08 0.00 | 84.96 0.67 -63.34 | 26.55 1.00 -0.36 | 29.31 1.18 -0.41 | 35.38 1.35 -4.90 | 45.63 1.38 -15.63 | 39.79 1.88 -1.88 | 36.09 2.09 -0.67 | 40.58 2.87 -0.22 | 40.06 2.98 0.00 | 35.83 2.56 0.00 | 33.57 2.09 0.00 | 30.97 1.60 0.00 | 26.10 1.46 0.00 | 24.79 1.21 0.00 |
| HILLBURN___GT 23639 | 34.36 1.78 0.00 | 28.78 1.46 0.00 | 23.84 1.01 0.00 | 24.03 0.94 0.00 | 28.09 1.10 0.00 | 25.78 1.01 0.00 | 22.13 1.03 0.00 | 18.53 0.89 0.00 | 21.83 1.09 0.00 | 23.39 1.21 0.00 | 143.96 1.13 -121.87 | 27.33 1.45 -0.69 | 30.24 1.73 -0.79 | 40.50 1.95 -9.43 | 60.61 1.92 -30.07 | 42.08 2.44 -3.62 | 37.14 2.52 -1.30 | 41.28 3.36 -0.43 | 40.37 3.28 0.00 | 36.10 2.83 0.00 | 33.80 2.31 0.00 | 31.07 1.70 0.00 | 25.94 1.29 0.00 | 24.66 1.08 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| HILLSIDE_115KV_TB1 80332 | 32.58 0.00 0.00 | 27.13 -0.20 0.00 | 22.62 -0.21 0.00 | 22.94 -0.15 0.00 | 26.88 -0.12 0.00 | 24.49 -0.29 0.00 | 20.77 -0.33 0.00 | 17.34 -0.30 0.00 | 20.60 -0.13 0.00 | 22.07 -0.10 0.00 | 20.93 -0.02 0.00 | 25.02 -0.17 0.00 | 27.52 -0.19 0.00 | 28.71 -0.41 0.00 | 28.45 -0.17 0.00 | 36.02 0.00 0.00 | 33.50 0.18 0.00 | 37.86 0.37 0.00 | 37.51 0.43 0.00 | 33.49 0.22 0.00 | 31.49 0.01 0.00 | 29.21 -0.16 0.00 | 24.52 -0.12 0.00 | 23.48 -0.11 0.00 |
| HISHELDN_WT_PWR 323625 | 32.16 -0.42 0.00 | 26.92 -0.40 0.00 | 22.14 -0.26 0.43 | 22.47 -0.18 0.44 | 26.60 -0.22 0.17 | 24.28 -0.29 0.20 | 20.47 -0.62 0.01 | 17.03 -0.61 0.00 | 20.33 -0.40 0.00 | 22.04 -0.13 0.00 | 20.88 -0.08 0.00 | 24.93 -0.26 0.00 | 27.19 -0.53 0.00 | 28.17 -0.95 0.00 | 28.05 -0.57 0.00 | 35.56 -0.46 0.00 | 32.54 -0.78 0.00 | 36.74 -0.74 0.00 | 36.53 -0.55 0.00 | 32.72 -0.55 0.00 | 30.89 -0.60 0.00 | 28.83 -0.54 0.00 | 24.25 -0.23 0.17 | 23.40 -0.05 0.13 |
| HOLTSVILLE_IC_1 23690 | 34.67 2.09 0.00 | 29.38 2.05 0.00 | 24.34 1.51 0.00 | 24.44 1.35 0.00 | 28.58 1.59 0.00 | 26.24 1.46 0.00 | 22.43 1.33 0.00 | 18.80 1.15 0.00 | 21.99 1.25 0.00 | 23.57 1.39 -0.01 | 164.76 1.24 -142.57 | 27.47 1.47 -0.80 | 30.88 2.23 -0.92 | 43.23 2.77 -11.34 | 66.33 2.53 -35.17 | 42.76 3.21 -3.53 | 38.85 3.41 -2.11 | 53.80 4.55 -11.77 | 54.96 4.35 -13.53 | 41.62 3.92 -4.43 | 37.22 3.40 -2.33 | 32.44 2.74 -0.34 | 26.60 1.94 0.00 | 25.32 1.74 0.00 |
| HOLTSVILLE_IC_10 23699 | 34.80 2.22 0.00 | 29.48 2.16 0.00 | 24.43 1.60 0.00 | 24.52 1.43 0.00 | 28.68 1.68 0.00 | 26.33 1.55 0.00 | 22.50 1.40 0.00 | 18.86 1.22 0.00 | 22.06 1.32 0.00 | 23.65 1.48 -0.01 | 164.83 1.31 -142.57 | 27.55 1.56 -0.80 | 30.99 2.34 -0.92 | 43.36 2.90 -11.34 | 66.47 2.67 -35.17 | 43.06 3.39 -3.65 | 39.09 3.61 -2.16 | 54.91 4.79 -12.63 | 56.21 4.59 -14.54 | 42.15 4.13 -4.75 | 37.53 3.59 -2.44 | 32.61 2.91 -0.34 | 26.73 2.08 0.00 | 25.42 1.84 0.00 |
| HOLTSVILLE_IC_2 23691 | 34.67 2.09 0.00 | 29.38 2.05 0.00 | 24.34 1.51 0.00 | 24.44 1.35 0.00 | 28.58 1.59 0.00 | 26.24 1.46 0.00 | 22.43 1.33 0.00 | 18.80 1.15 0.00 | 21.99 1.25 0.00 | 23.57 1.39 -0.01 | 164.76 1.24 -142.57 | 27.47 1.47 -0.80 | 30.88 2.23 -0.92 | 43.23 2.77 -11.34 | 66.33 2.53 -35.17 | 42.76 3.21 -3.53 | 38.85 3.41 -2.11 | 53.80 4.55 -11.77 | 54.96 4.35 -13.53 | 41.62 3.92 -4.43 | 37.22 3.40 -2.33 | 32.44 2.74 -0.34 | 26.60 1.94 0.00 | 25.32 1.74 0.00 |
| HOLTSVILLE_IC_3 23692 | 34.67 2.09 0.00 | 29.38 2.05 0.00 | 24.34 1.51 0.00 | 24.44 1.35 0.00 | 28.58 1.59 0.00 | 26.24 1.46 0.00 | 22.43 1.33 0.00 | 18.80 1.15 0.00 | 21.99 1.25 0.00 | 23.57 1.39 -0.01 | 164.76 1.24 -142.57 | 27.47 1.47 -0.80 | 30.88 2.23 -0.92 | 43.23 2.77 -11.34 | 66.33 2.53 -35.17 | 42.76 3.21 -3.53 | 38.85 3.41 -2.11 | 53.80 4.55 -11.77 | 54.96 4.35 -13.53 | 41.62 3.92 -4.43 | 37.22 3.40 -2.33 | 32.44 2.74 -0.34 | 26.60 1.94 0.00 | 25.32 1.74 0.00 |
| HOLTSVILLE_IC_4 23693 | 34.67 2.09 0.00 | 29.38 2.05 0.00 | 24.34 1.51 0.00 | 24.44 1.35 0.00 | 28.58 1.59 0.00 | 26.24 1.46 0.00 | 22.43 1.33 0.00 | 18.80 1.15 0.00 | 21.99 1.25 0.00 | 23.57 1.39 -0.01 | 164.76 1.24 -142.57 | 27.47 1.47 -0.80 | 30.88 2.23 -0.92 | 43.23 2.77 -11.34 | 66.33 2.53 -35.17 | 42.76 3.21 -3.53 | 38.85 3.41 -2.11 | 53.80 4.55 -11.77 | 54.96 4.35 -13.53 | 41.62 3.92 -4.43 | 37.22 3.40 -2.33 | 32.44 2.74 -0.34 | 26.60 1.94 0.00 | 25.32 1.74 0.00 |
| HOLTSVILLE_IC_5 23694 | 34.67 2.09 0.00 | 29.38 2.05 0.00 | 24.34 1.51 0.00 | 24.44 1.35 0.00 | 28.58 1.59 0.00 | 26.24 1.46 0.00 | 22.43 1.33 0.00 | 18.80 1.15 0.00 | 21.99 1.25 0.00 | 23.57 1.39 -0.01 | 164.76 1.24 -142.57 | 27.47 1.47 -0.80 | 30.88 2.23 -0.92 | 43.23 2.77 -11.34 | 66.33 2.53 -35.17 | 42.76 3.21 -3.53 | 38.85 3.41 -2.11 | 53.80 4.55 -11.77 | 54.96 4.35 -13.53 | 41.62 3.92 -4.43 | 37.22 3.40 -2.33 | 32.44 2.74 -0.34 | 26.60 1.94 0.00 | 25.32 1.74 0.00 |
| HOLTSVILLE_IC_6 23695 | 34.80 2.22 0.00 | 29.48 2.16 0.00 | 24.43 1.60 0.00 | 24.52 1.43 0.00 | 28.68 1.68 0.00 | 26.33 1.55 0.00 | 22.50 1.40 0.00 | 18.86 1.22 0.00 | 22.06 1.32 0.00 | 23.65 1.48 -0.01 | 164.83 1.31 -142.57 | 27.55 1.56 -0.80 | 30.99 2.34 -0.92 | 43.36 2.90 -11.34 | 66.47 2.67 -35.17 | 43.06 3.39 -3.65 | 39.09 3.61 -2.16 | 54.91 4.79 -12.63 | 56.21 4.59 -14.54 | 42.15 4.13 -4.75 | 37.53 3.59 -2.44 | 32.61 2.91 -0.34 | 26.73 2.08 0.00 | 25.42 1.84 0.00 |
| HOLTSVILLE_IC_7 23696 | 34.80 2.22 0.00 | 29.48 2.16 0.00 | 24.43 1.60 0.00 | 24.52 1.43 0.00 | 28.68 1.68 0.00 | 26.33 1.55 0.00 | 22.50 1.40 0.00 | 18.86 1.22 0.00 | 22.06 1.32 0.00 | 23.65 1.48 -0.01 | 164.83 1.31 -142.57 | 27.55 1.56 -0.80 | 30.99 2.34 -0.92 | 43.36 2.90 -11.34 | 66.47 2.67 -35.17 | 43.06 3.39 -3.65 | 39.09 3.61 -2.16 | 54.91 4.79 -12.63 | 56.21 4.59 -14.54 | 42.15 4.13 -4.75 | 37.53 3.59 -2.44 | 32.61 2.91 -0.34 | 26.73 2.08 0.00 | 25.42 1.84 0.00 |
| HOLTSVILLE_IC_8 23697 | 34.80 2.22 0.00 | 29.48 2.16 0.00 | 24.43 1.60 0.00 | 24.52 1.43 0.00 | 28.68 1.68 0.00 | 26.33 1.55 0.00 | 22.50 1.40 0.00 | 18.86 1.22 0.00 | 22.06 1.32 0.00 | 23.65 1.48 -0.01 | 164.83 1.31 -142.57 | 27.55 1.56 -0.80 | 30.99 2.34 -0.92 | 43.36 2.90 -11.34 | 66.47 2.67 -35.17 | 43.06 3.39 -3.65 | 39.09 3.61 -2.16 | 54.91 4.79 -12.63 | 56.21 4.59 -14.54 | 42.15 4.13 -4.75 | 37.53 3.59 -2.44 | 32.61 2.91 -0.34 | 26.73 2.08 0.00 | 25.42 1.84 0.00 |
| HOLTSVILLE_IC_9 23698 | 34.80 2.22 0.00 | 29.48 2.16 0.00 | 24.43 1.60 0.00 | 24.52 1.43 0.00 | 28.68 1.68 0.00 | 26.33 1.55 0.00 | 22.50 1.40 0.00 | 18.86 1.22 0.00 | 22.06 1.32 0.00 | 23.65 1.48 -0.01 | 164.83 1.31 -142.57 | 27.55 1.56 -0.80 | 30.99 2.34 -0.92 | 43.36 2.90 -11.34 | 66.47 2.67 -35.17 | 43.06 3.39 -3.65 | 39.09 3.61 -2.16 | 54.91 4.79 -12.63 | 56.21 4.59 -14.54 | 42.15 4.13 -4.75 | 37.53 3.59 -2.44 | 32.61 2.91 -0.34 | 26.73 2.08 0.00 | 25.42 1.84 0.00 |
| HOMER_HL_115KV_TB2 355744 | 33.26 0.67 0.00 | 27.79 0.47 0.00 | 23.26 0.43 0.00 | 23.57 0.48 0.00 | 27.61 0.62 0.00 | 25.26 0.48 0.00 | 21.16 0.06 0.00 | 17.66 0.02 0.00 | 21.10 0.37 0.00 | 22.80 0.63 0.00 | 21.55 0.59 0.00 | 25.66 0.46 0.00 | 28.03 0.31 0.00 | 29.10 -0.03 0.00 | 28.96 0.33 0.00 | 36.51 0.48 0.00 | 33.61 0.28 0.00 | 38.05 0.57 0.00 | 37.77 0.69 0.00 | 33.72 0.45 0.00 | 31.74 0.25 0.00 | 29.53 0.16 0.00 | 24.99 0.34 0.00 | 24.12 0.54 0.00 |
| HOWARD_WT_PWR 323690 | 33.02 0.43 0.00 | 27.53 0.20 0.00 | 23.49 0.19 -0.47 | 23.81 0.24 -0.48 | 27.49 0.31 -0.19 | 25.09 0.09 -0.22 | 20.85 -0.26 -0.01 | 17.30 -0.35 0.00 | 20.52 -0.22 0.00 | 22.23 0.06 0.00 | 21.03 0.07 0.00 | 25.01 -0.18 0.00 | 27.35 -0.36 0.00 | 28.30 -0.82 0.00 | 28.06 -0.56 0.00 | 36.06 0.04 0.00 | 33.59 0.27 0.00 | 38.10 0.62 0.00 | 37.72 0.64 0.00 | 33.71 0.44 0.00 | 31.75 0.26 0.00 | 29.40 0.03 0.00 | 24.97 0.13 -0.19 | 23.93 0.21 -0.14 |
| HQ_GEN_CEDARS 23644 | 32.75 0.17 0.00 | 27.45 0.13 0.00 | 22.87 0.04 0.00 | 23.13 0.04 0.00 | 27.11 0.12 0.00 | 24.93 0.16 0.00 | 21.19 0.09 0.00 | 17.71 0.06 0.00 | 20.83 0.09 0.00 | 22.34 0.17 0.00 | 21.12 0.17 0.00 | 25.39 0.20 0.00 | 27.89 0.17 0.00 | 29.29 0.17 0.00 | 28.82 0.20 0.00 | 36.39 0.37 0.00 | 33.52 0.19 0.00 | 37.19 -0.29 0.00 | 35.94 -1.14 0.00 | 32.26 -1.01 0.00 | 31.26 -0.23 0.00 | 29.55 0.19 0.00 | 24.89 0.24 0.00 | 23.80 0.21 0.00 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| HQ_GEN_CEDARS_PROXY 323590 | 32.75 0.17 0.00 | 27.45 0.13 0.00 | 22.48 0.04 0.38 | 23.13 0.04 0.00 | 27.11 0.12 0.00 | 24.93 0.16 0.00 | 21.19 0.09 0.00 | 17.71 0.06 0.00 | 20.83 0.09 0.00 | 22.34 0.17 0.00 | 21.12 0.17 0.00 | 25.39 0.19 0.00 | 27.89 0.17 0.00 | 29.29 0.17 0.00 | 28.82 0.20 0.00 | 36.39 0.37 0.00 | 33.52 0.19 0.00 | 37.19 -0.29 0.00 | 35.94 -1.14 0.00 | 32.26 -1.01 0.00 | 31.26 -0.23 0.00 | 29.55 0.19 0.00 | 24.89 0.24 0.00 | 23.80 0.21 0.00 |
| HQ_GEN_IMPORT 323601 | 32.45 -0.14 0.00 | 27.21 -0.12 0.00 | 21.94 -0.13 0.76 | 22.94 -0.15 0.00 | 27.38 -0.14 -0.52 | 24.69 -0.09 0.00 | 21.00 -0.10 0.00 | 17.57 -0.08 0.00 | 20.66 -0.08 0.00 | 22.13 -0.04 0.00 | 20.91 -0.04 0.00 | 25.15 -0.05 0.00 | 27.64 -0.08 0.00 | 29.03 -0.09 0.00 | 28.55 -0.07 0.00 | 35.97 -0.05 0.00 | 33.12 -0.20 0.00 | 36.90 -0.58 0.00 | 36.34 -0.74 0.00 | 32.60 -0.67 0.00 | 30.93 -0.50 0.06 | 29.21 -0.16 0.00 | 24.60 -0.05 0.00 | 23.53 -0.06 0.00 |
| HQ_GEN_WHEEL 23651 | 32.45 -0.14 0.00 | 27.21 -0.12 0.00 | 21.94 -0.13 0.76 | 22.94 -0.15 0.00 | 27.38 -0.14 -0.52 | 24.69 -0.09 0.00 | 21.00 -0.10 0.00 | 17.57 -0.08 0.00 | 20.66 -0.08 0.00 | 22.13 -0.04 0.00 | 20.91 -0.04 0.00 | 25.15 -0.05 0.00 | 27.64 -0.08 0.00 | 29.03 -0.09 0.00 | 28.55 -0.07 0.00 | 35.97 -0.05 0.00 | 33.12 -0.20 0.00 | 36.90 -0.58 0.00 | 36.34 -0.74 0.00 | 32.60 -0.67 0.00 | 30.93 -0.50 0.06 | 29.21 -0.16 0.00 | 24.60 -0.05 0.00 | 23.53 -0.06 0.00 |
| HUDSON_AVE_GT_3 23810 | 34.71 2.13 0.00 | 29.07 1.74 0.00 | 24.13 1.30 0.00 | 24.31 1.22 0.00 | 28.38 1.39 0.00 | 26.05 1.27 0.00 | 22.42 1.32 0.00 | 18.81 1.17 0.00 | 22.17 1.43 0.00 | 23.75 1.58 -0.01 | 164.91 1.41 -142.54 | 27.78 1.78 -0.80 | 30.74 2.10 -0.92 | 42.51 2.35 -11.03 | 66.15 2.36 -35.17 | 43.24 2.99 -4.24 | 37.79 2.95 -1.52 | 41.89 3.90 -0.51 | 40.83 3.75 0.00 | 36.51 3.24 0.00 | 34.18 2.69 0.00 | 31.41 2.04 0.00 | 26.23 1.58 0.00 | 24.90 1.32 0.00 |
| HUDSON_AVE_GT_4 23540 | 34.71 2.13 0.00 | 29.07 1.74 0.00 | 24.13 1.30 0.00 | 24.31 1.22 0.00 | 28.38 1.39 0.00 | 26.05 1.27 0.00 | 22.42 1.32 0.00 | 18.81 1.17 0.00 | 22.17 1.43 0.00 | 23.75 1.58 -0.01 | 164.91 1.41 -142.54 | 27.78 1.78 -0.80 | 30.74 2.10 -0.92 | 42.51 2.35 -11.03 | 66.15 2.36 -35.17 | 43.24 2.99 -4.24 | 37.79 2.95 -1.52 | 41.89 3.90 -0.51 | 40.83 3.75 0.00 | 36.51 3.24 0.00 | 34.18 2.69 0.00 | 31.41 2.04 0.00 | 26.23 1.58 0.00 | 24.90 1.32 0.00 |
| HUDSON_AVE_GT_5 23657 | 34.71 2.13 0.00 | 29.07 1.74 0.00 | 24.13 1.30 0.00 | 24.31 1.22 0.00 | 28.38 1.39 0.00 | 26.05 1.27 0.00 | 22.42 1.32 0.00 | 18.81 1.17 0.00 | 22.17 1.43 0.00 | 23.75 1.58 -0.01 | 164.91 1.41 -142.54 | 27.78 1.78 -0.80 | 30.74 2.10 -0.92 | 42.51 2.35 -11.03 | 66.15 2.36 -35.17 | 43.24 2.99 -4.24 | 37.79 2.95 -1.52 | 41.89 3.90 -0.51 | 40.83 3.75 0.00 | 36.51 3.24 0.00 | 34.18 2.69 0.00 | 31.41 2.04 0.00 | 26.23 1.58 0.00 | 24.90 1.32 0.00 |
| HUDSON_AVE_10 24168 | 34.57 1.99 0.00 | 28.96 1.63 0.00 | 24.03 1.20 0.00 | 24.20 1.11 0.00 | 28.27 1.28 0.00 | 25.93 1.16 0.00 | 22.33 1.23 0.00 | 18.74 1.09 0.00 | 22.08 1.34 0.00 | 23.65 1.47 0.00 | 164.78 1.29 -142.54 | 27.62 1.63 -0.80 | 30.57 1.93 -0.92 | 42.34 2.19 -11.03 | 65.97 2.18 -35.17 | 43.02 2.76 -4.24 | 37.60 2.76 -1.52 | 41.64 3.66 -0.50 | 40.59 3.52 0.01 | 36.29 3.02 0.01 | 33.96 2.48 0.01 | 31.20 1.83 0.01 | 26.09 1.44 0.00 | 24.75 1.17 0.00 |
| HUDSON___115KV_TB 4 355613 | 33.43 0.85 0.00 | 28.07 0.75 0.00 | 23.72 0.89 0.00 | 24.15 1.06 0.00 | 28.12 1.13 0.00 | 25.69 0.92 0.00 | 21.87 0.77 0.00 | 18.20 0.55 0.00 | 21.19 0.46 0.00 | 22.36 0.19 0.00 | -43.48 0.26 64.69 | 25.07 0.24 0.36 | 27.48 0.18 0.42 | 24.35 0.23 5.01 | 13.05 0.39 15.96 | 34.63 0.53 1.92 | 33.51 0.87 0.69 | 38.62 1.38 0.23 | 38.80 1.72 0.00 | 34.96 1.69 0.00 | 33.13 1.64 0.00 | 30.59 1.22 0.00 | 25.46 0.81 0.00 | 24.19 0.60 0.00 |
| HUNTER MOUNT___DRP 323613 | 33.51 0.92 0.00 | 28.13 0.80 0.00 | 23.82 0.99 0.00 | 24.27 1.18 0.00 | 28.25 1.26 0.00 | 25.81 1.04 0.00 | 21.95 0.85 0.00 | 18.24 0.59 0.00 | 21.22 0.48 0.00 | 22.34 0.17 0.00 | -15.84 0.28 37.07 | 25.24 0.25 0.21 | 27.62 0.14 0.24 | 26.46 0.20 2.87 | 19.87 0.39 9.15 | 35.46 0.54 1.10 | 33.86 0.93 0.39 | 38.77 1.42 0.13 | 38.89 1.81 0.00 | 35.08 1.81 0.00 | 33.32 1.83 0.00 | 30.78 1.41 0.00 | 25.59 0.94 0.00 | 24.29 0.71 0.00 |
| HUNTINGTON_RES_REC 323705 | 34.66 2.07 0.00 | 29.33 2.01 0.00 | 24.29 1.46 0.00 | 24.40 1.31 0.00 | 28.50 1.51 0.00 | 26.17 1.38 0.00 | 22.34 1.24 0.00 | 18.69 1.05 0.00 | 21.86 1.12 0.00 | 23.45 1.27 -0.01 | 164.66 1.14 -142.57 | 27.36 1.37 -0.80 | 30.79 2.14 -0.92 | 43.17 2.71 -11.34 | 66.31 2.51 -35.17 | 42.83 3.15 -3.65 | 38.81 3.33 -2.15 | 35.09 4.39 6.78 | 33.86 4.16 7.38 | 35.14 3.74 1.87 | 37.12 3.20 -2.43 | 32.26 2.55 -0.34 | 26.44 1.79 0.00 | 25.20 1.61 0.00 |
| HUNTLEY___63 23557 | 31.83 -0.76 0.00 | 26.70 -0.63 0.00 | 22.42 -0.41 0.00 | 22.75 -0.34 0.00 | 26.52 -0.47 0.00 | 24.37 -0.41 0.00 | 20.37 -0.74 0.00 | 16.98 -0.66 0.00 | 20.29 -0.45 0.00 | 22.00 -0.17 0.00 | 20.82 -0.13 0.00 | 24.84 -0.36 0.00 | 27.08 -0.63 0.00 | 28.23 -0.89 0.00 | 27.94 -0.69 0.00 | 35.23 -0.79 0.00 | 32.16 -1.17 0.00 | 36.16 -1.32 0.00 | 35.98 -1.10 0.00 | 32.23 -1.05 0.00 | 30.47 -1.02 0.00 | 28.58 -0.79 0.00 | 24.30 -0.35 0.00 | 23.51 -0.08 0.00 |
| HUNTLEY___64 23558 | 31.83 -0.76 0.00 | 26.70 -0.63 0.00 | 22.42 -0.41 0.00 | 22.75 -0.34 0.00 | 26.52 -0.47 0.00 | 24.37 -0.41 0.00 | 20.37 -0.74 0.00 | 16.98 -0.66 0.00 | 20.29 -0.45 0.00 | 22.00 -0.17 0.00 | 20.82 -0.13 0.00 | 24.84 -0.36 0.00 | 27.08 -0.63 0.00 | 28.23 -0.89 0.00 | 27.94 -0.69 0.00 | 35.23 -0.79 0.00 | 32.16 -1.17 0.00 | 36.16 -1.32 0.00 | 35.98 -1.10 0.00 | 32.23 -1.05 0.00 | 30.47 -1.02 0.00 | 28.58 -0.79 0.00 | 24.30 -0.35 0.00 | 23.51 -0.08 0.00 |
| HUNTLEY___65 23559 | 31.83 -0.76 0.00 | 26.70 -0.63 0.00 | 22.42 -0.41 0.00 | 22.75 -0.34 0.00 | 26.52 -0.47 0.00 | 24.37 -0.41 0.00 | 20.37 -0.74 0.00 | 16.98 -0.66 0.00 | 20.29 -0.45 0.00 | 22.00 -0.17 0.00 | 20.82 -0.13 0.00 | 24.84 -0.36 0.00 | 27.08 -0.63 0.00 | 28.23 -0.89 0.00 | 27.94 -0.69 0.00 | 35.23 -0.79 0.00 | 32.16 -1.17 0.00 | 36.16 -1.32 0.00 | 35.98 -1.10 0.00 | 32.23 -1.05 0.00 | 30.47 -1.02 0.00 | 28.58 -0.79 0.00 | 24.30 -0.35 0.00 | 23.51 -0.08 0.00 |
| HUNTLEY___66 23560 | 31.83 -0.76 0.00 | 26.70 -0.63 0.00 | 22.42 -0.41 0.00 | 22.75 -0.34 0.00 | 26.52 -0.47 0.00 | 24.37 -0.41 0.00 | 20.37 -0.74 0.00 | 16.98 -0.66 0.00 | 20.29 -0.45 0.00 | 22.00 -0.17 0.00 | 20.82 -0.13 0.00 | 24.84 -0.36 0.00 | 27.08 -0.63 0.00 | 28.23 -0.89 0.00 | 27.94 -0.69 0.00 | 35.23 -0.79 0.00 | 32.16 -1.17 0.00 | 36.16 -1.32 0.00 | 35.98 -1.10 0.00 | 32.23 -1.05 0.00 | 30.47 -1.02 0.00 | 28.58 -0.79 0.00 | 24.30 -0.35 0.00 | 23.51 -0.08 0.00 |
| HUNTLEY___67 23561 | 31.71 -0.88 0.00 | 26.60 -0.73 0.00 | 22.33 -0.50 0.00 | 22.67 -0.42 0.00 | 26.43 -0.57 0.00 | 24.27 -0.51 0.00 | 20.29 -0.82 0.00 | 16.92 -0.72 0.00 | 20.21 -0.53 0.00 | 21.91 -0.27 0.00 | 20.74 -0.21 0.00 | 24.73 -0.46 0.00 | 26.96 -0.76 0.00 | 28.11 -1.01 0.00 | 27.82 -0.81 0.00 | 35.11 -0.91 0.00 | 32.06 -1.27 0.00 | 36.10 -1.39 0.00 | 35.89 -1.19 0.00 | 32.14 -1.14 0.00 | 30.36 -1.13 0.00 | 28.46 -0.91 0.00 | 24.19 -0.46 0.00 | 23.36 -0.22 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| HUNTLEY___68 23562 | 31.71 -0.88 0.00 | 26.60 -0.73 0.00 | 22.33 -0.50 0.00 | 22.67 -0.42 0.00 | 26.43 -0.57 0.00 | 24.27 -0.51 0.00 | 20.29 -0.82 0.00 | 16.92 -0.72 0.00 | 20.21 -0.53 0.00 | 21.91 -0.27 0.00 | 20.74 -0.21 0.00 | 24.73 -0.46 0.00 | 26.96 -0.76 0.00 | 28.11 -1.01 0.00 | 27.82 -0.81 0.00 | 35.11 -0.91 0.00 | 32.06 -1.27 0.00 | 36.10 -1.39 0.00 | 35.89 -1.19 0.00 | 32.14 -1.14 0.00 | 30.36 -1.13 0.00 | 28.46 -0.91 0.00 | 24.19 -0.46 0.00 | 23.36 -0.22 0.00 |
| HYLAND___LFGE 323620 | 33.63 1.05 0.00 | 28.09 0.76 0.00 | 23.48 0.65 0.00 | 23.78 0.69 0.00 | 27.77 0.78 0.00 | 25.43 0.65 0.00 | 21.36 0.26 0.00 | 17.61 -0.04 0.00 | 20.62 -0.12 0.00 | 22.29 0.12 0.00 | 21.12 0.17 0.00 | 25.28 0.08 0.00 | 27.73 0.02 0.00 | 29.01 -0.11 0.00 | 28.73 0.10 0.00 | 36.20 0.18 0.00 | 33.86 0.54 0.00 | 37.87 0.39 0.00 | 37.24 0.16 0.00 | 33.82 0.55 0.00 | 32.45 0.96 0.00 | 30.43 1.06 0.00 | 25.61 0.96 0.00 | 24.54 0.96 0.00 |
| INDECK___CORINTH 23802 | 33.43 0.85 0.00 | 28.04 0.72 0.00 | 24.01 1.18 0.00 | 24.41 1.31 0.00 | 28.51 1.52 0.00 | 26.14 1.37 0.00 | 22.33 1.23 0.00 | 18.60 0.96 0.00 | 21.79 1.05 0.00 | 23.17 1.00 0.00 | -80.50 0.80 102.25 | 25.49 0.88 0.58 | 27.96 0.91 0.66 | 22.00 0.79 7.91 | 3.97 0.57 25.23 | 33.33 0.35 3.04 | 33.06 0.82 1.09 | 38.41 1.29 0.36 | 38.94 1.86 0.00 | 35.03 1.76 0.00 | 33.17 1.68 0.00 | 30.64 1.27 0.00 | 25.55 0.90 0.00 | 24.28 0.69 0.00 |
| INDECK___ILION 23567 | 32.76 0.18 0.00 | 27.46 0.14 0.00 | 22.99 0.16 0.00 | 23.25 0.16 0.00 | 27.13 0.14 0.00 | 24.85 0.07 0.00 | 21.17 0.07 0.00 | 17.65 0.00 0.00 | 20.66 -0.08 0.00 | 21.99 -0.18 0.00 | 20.82 -0.13 0.00 | 25.00 -0.19 0.00 | 27.52 -0.19 0.00 | 28.95 -0.17 0.00 | 28.53 -0.09 0.00 | 35.95 -0.08 0.00 | 33.42 0.10 0.00 | 37.89 0.41 0.00 | 37.79 0.71 0.00 | 33.97 0.70 0.00 | 32.11 0.62 0.00 | 29.73 0.36 0.00 | 24.84 0.19 0.00 | 23.69 0.11 0.00 |
| INDECK___OLEAN 23982 | 33.26 0.68 0.00 | 27.80 0.48 0.00 | 21.83 0.44 1.43 | 22.10 0.48 1.47 | 27.07 0.65 0.57 | 24.58 0.48 0.67 | 21.14 0.06 0.02 | 17.66 0.02 0.00 | 21.11 0.37 0.00 | 22.80 0.63 0.00 | 21.53 0.57 0.00 | 25.66 0.47 0.00 | 28.03 0.31 0.00 | 29.12 0.00 0.00 | 28.98 0.35 0.00 | 36.50 0.48 0.00 | 33.61 0.28 0.00 | 38.05 0.57 0.00 | 37.77 0.69 0.00 | 33.73 0.45 0.00 | 31.74 0.25 0.00 | 29.53 0.16 0.00 | 24.41 0.34 0.58 | 23.68 0.54 0.44 |
| INDECK___OSWEGO 23783 | 31.97 -0.61 0.00 | 26.79 -0.53 0.00 | 22.45 -0.38 0.00 | 22.73 -0.36 0.00 | 26.56 -0.43 0.00 | 24.36 -0.42 0.00 | 20.71 -0.39 0.00 | 17.29 -0.35 0.00 | 20.33 -0.41 0.00 | 21.74 -0.43 0.00 | 20.57 -0.38 0.00 | 24.69 -0.50 0.00 | 27.18 -0.54 0.00 | 28.50 -0.62 0.00 | 27.98 -0.64 0.00 | 35.18 -0.85 0.00 | 32.57 -0.76 0.00 | 36.70 -0.77 0.00 | 36.39 -0.69 0.00 | 32.66 -0.61 0.00 | 30.89 -0.60 0.00 | 28.73 -0.64 0.00 | 24.11 -0.54 0.00 | 23.19 -0.39 0.00 |
| INDECK___YERKES 23781 | 31.87 -0.72 0.00 | 26.74 -0.59 0.00 | 21.46 -0.38 0.99 | 21.75 -0.32 1.02 | 26.20 -0.40 0.40 | 23.92 -0.39 0.47 | 20.37 -0.72 0.02 | 17.00 -0.65 0.00 | 20.31 -0.43 0.00 | 22.02 -0.15 0.00 | 20.83 -0.12 0.00 | 24.86 -0.33 0.00 | 27.11 -0.60 0.00 | 28.28 -0.84 0.00 | 27.99 -0.64 0.00 | 35.26 -0.76 0.00 | 32.19 -1.14 0.00 | 36.20 -1.28 0.00 | 36.02 -1.07 0.00 | 32.26 -1.01 0.00 | 30.50 -1.00 0.00 | 28.61 -0.76 0.00 | 23.92 -0.32 0.40 | 23.22 -0.05 0.30 |
| INDIAN POINT_GT_1 24139 | 34.31 1.72 0.00 | 28.75 1.43 0.00 | 23.83 1.00 0.00 | 24.03 0.93 0.00 | 28.08 1.08 0.00 | 25.76 0.99 0.00 | 22.12 1.01 0.00 | 18.53 0.89 0.00 | 21.81 1.07 0.00 | 23.35 1.17 0.00 | 156.89 1.06 -134.87 | 27.32 1.37 -0.76 | 30.24 1.64 -0.88 | 41.41 1.85 -10.44 | 63.76 1.86 -33.27 | 42.40 2.36 -4.01 | 37.16 2.40 -1.44 | 41.20 3.24 -0.48 | 40.25 3.17 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.01 1.64 0.00 | 25.88 1.23 0.00 | 24.60 1.01 0.00 |
| INDIAN POINT_GT_2 23659 | 34.31 1.72 0.00 | 28.75 1.43 0.00 | 23.83 1.00 0.00 | 24.03 0.93 0.00 | 28.08 1.08 0.00 | 25.76 0.99 0.00 | 22.12 1.01 0.00 | 18.53 0.89 0.00 | 21.81 1.07 0.00 | 23.35 1.17 0.00 | 156.89 1.06 -134.87 | 27.32 1.37 -0.76 | 30.24 1.64 -0.88 | 41.41 1.85 -10.44 | 63.76 1.86 -33.27 | 42.40 2.36 -4.01 | 37.16 2.40 -1.44 | 41.20 3.24 -0.48 | 40.25 3.17 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.01 1.64 0.00 | 25.88 1.23 0.00 | 24.60 1.01 0.00 |
| INDIAN POINT_GT_3 24019 | 34.31 1.72 0.00 | 28.75 1.43 0.00 | 23.83 1.00 0.00 | 24.03 0.93 0.00 | 28.08 1.08 0.00 | 25.76 0.99 0.00 | 22.12 1.01 0.00 | 18.53 0.89 0.00 | 21.81 1.07 0.00 | 23.35 1.17 0.00 | 156.89 1.06 -134.87 | 27.32 1.37 -0.76 | 30.24 1.64 -0.88 | 41.41 1.85 -10.44 | 63.76 1.86 -33.27 | 42.40 2.36 -4.01 | 37.16 2.40 -1.44 | 41.20 3.24 -0.48 | 40.25 3.17 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.01 1.64 0.00 | 25.88 1.23 0.00 | 24.60 1.01 0.00 |
| INDIAN POINT___2 23530 | 34.23 1.65 0.00 | 28.68 1.35 0.00 | 23.77 0.94 0.00 | 23.96 0.87 0.00 | 28.00 1.01 0.00 | 25.71 0.93 0.00 | 22.06 0.96 0.00 | 18.47 0.82 0.00 | 21.75 1.01 0.00 | 23.30 1.12 0.00 | 147.58 1.03 -125.60 | 27.22 1.33 -0.71 | 30.12 1.58 -0.81 | 40.63 1.79 -9.72 | 61.41 1.80 -30.99 | 42.05 2.29 -3.73 | 36.99 2.33 -1.33 | 41.07 3.14 -0.45 | 40.14 3.07 0.00 | 35.93 2.66 0.00 | 33.64 2.15 0.00 | 30.94 1.57 0.00 | 25.83 1.18 0.00 | 24.57 0.98 0.00 |
| INDIAN POINT___3 23531 | 34.32 1.74 0.00 | 28.76 1.43 0.00 | 23.85 1.02 0.00 | 24.04 0.95 0.00 | 28.10 1.10 0.00 | 25.78 1.01 0.00 | 22.14 1.04 0.00 | 18.55 0.90 0.00 | 21.83 1.09 0.00 | 23.37 1.19 0.00 | 159.59 1.07 -137.57 | 27.35 1.38 -0.78 | 30.28 1.67 -0.89 | 41.64 1.88 -10.65 | 64.44 1.88 -33.94 | 42.50 2.39 -4.09 | 37.21 2.42 -1.46 | 41.22 3.25 -0.49 | 40.26 3.18 0.00 | 36.04 2.77 0.00 | 33.75 2.26 0.00 | 31.02 1.65 0.00 | 25.89 1.24 0.00 | 24.61 1.03 0.00 |
| INGHAM_C_115KV_TB7 356103 | 32.76 0.17 0.00 | 27.45 0.12 0.00 | 23.02 0.19 0.00 | 23.30 0.21 0.00 | 27.10 0.11 0.00 | 24.76 -0.02 0.00 | 21.10 0.00 0.00 | 17.51 -0.14 0.00 | 20.38 -0.36 0.00 | 21.58 -0.60 0.00 | 20.48 -0.47 0.00 | 24.57 -0.62 0.00 | 27.04 -0.68 0.00 | 28.49 -0.63 0.00 | 28.18 -0.44 0.00 | 35.55 -0.47 0.00 | 33.24 -0.08 0.00 | 37.96 0.48 0.00 | 38.22 1.14 0.00 | 34.45 1.18 0.00 | 32.57 1.08 0.00 | 30.01 0.64 0.00 | 24.95 0.30 0.00 | 23.69 0.11 0.00 |
| IP CORINTH___1 23988 | 33.62 1.03 0.00 | 28.19 0.87 0.00 | 24.03 1.20 0.00 | 24.41 1.31 0.00 | 28.52 1.52 0.00 | 26.15 1.37 0.00 | 22.34 1.23 0.00 | 18.60 0.96 0.00 | 21.79 1.05 0.00 | 23.17 1.01 0.00 | -80.49 0.80 102.25 | 25.50 0.88 0.58 | 27.96 0.90 0.66 | 22.03 0.82 7.91 | 4.03 0.63 25.23 | 33.50 0.52 3.04 | 33.25 1.01 1.09 | 38.63 1.52 0.36 | 39.16 2.09 0.00 | 35.23 1.96 0.00 | 33.36 1.87 0.00 | 30.81 1.45 0.00 | 25.68 1.03 0.00 | 24.40 0.82 0.00 |
| IP___TICONDEROGA 23804 | 35.06 2.48 0.00 | 29.35 2.02 0.00 | 24.93 2.10 0.00 | 25.30 2.20 0.00 | 29.60 2.60 0.00 | 27.10 2.33 0.00 | 23.12 2.02 0.00 | 19.23 1.58 0.00 | 22.50 1.76 0.00 | 23.96 1.79 0.00 | -81.90 1.57 104.42 | 26.25 1.65 0.59 | 28.75 1.71 0.68 | 22.79 1.74 8.08 | 4.54 1.68 25.76 | 34.92 2.00 3.11 | 34.65 2.44 1.11 | 40.43 3.32 0.37 | 41.01 3.93 0.00 | 36.80 3.53 0.00 | 34.87 3.38 0.00 | 32.20 2.83 0.00 | 26.78 2.13 0.00 | 25.39 1.81 0.00 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ISLIP_RES_REC 323679 | 34.94 2.35 0.00 | 29.59 2.27 0.00 | 24.51 1.68 0.00 | 24.60 1.51 0.00 | 28.76 1.77 0.00 | 26.41 1.63 0.00 | 22.57 1.47 0.00 | 18.92 1.27 0.00 | 22.12 1.39 0.00 | 23.73 1.55 -0.01 | 164.90 1.38 -142.57 | 27.64 1.64 -0.80 | 31.08 2.44 -0.92 | 43.47 3.01 -11.34 | 66.57 2.77 -35.17 | 43.30 3.53 -3.74 | 39.30 3.79 -2.19 | 54.11 5.00 -11.63 | 55.29 4.79 -13.42 | 41.99 4.29 -4.42 | 37.76 3.75 -2.52 | 32.75 3.05 -0.34 | 26.83 2.18 0.00 | 25.52 1.93 0.00 |
| JAMAICA__27_KV_LOAD 355505 | 34.71 2.13 0.00 | 29.05 1.72 0.00 | 24.15 1.32 0.00 | 24.31 1.23 0.00 | 28.43 1.43 0.00 | 26.05 1.27 0.00 | 22.45 1.34 0.00 | 18.83 1.18 0.00 | 22.17 1.44 0.00 | 23.74 1.57 0.00 | 164.80 1.31 -142.54 | 27.66 1.66 -0.80 | 30.60 1.95 -0.92 | 42.38 2.23 -11.03 | 66.03 2.24 -35.17 | 43.06 2.80 -4.24 | 37.67 2.83 -1.52 | 41.70 3.72 -0.50 | 40.66 3.58 0.01 | 36.35 3.09 0.01 | 34.02 2.54 0.01 | 31.28 1.92 0.01 | 26.23 1.58 0.00 | 24.86 1.28 0.00 |
| JANIS__SOLAR 323808 | 33.88 1.29 0.00 | 28.35 1.03 0.00 | 24.01 0.84 -0.34 | 24.30 0.86 -0.34 | 28.15 1.02 -0.13 | 25.84 0.90 -0.16 | 21.81 0.71 0.00 | 18.12 0.48 0.00 | 21.15 0.42 0.00 | 22.51 0.34 0.00 | 21.24 0.29 0.00 | 25.46 0.27 0.00 | 28.01 0.29 0.00 | 29.45 0.33 0.00 | 29.13 0.51 0.00 | 36.87 0.85 0.00 | 34.47 1.14 0.00 | 39.50 2.02 0.00 | 38.83 1.75 0.00 | 35.03 1.76 0.00 | 33.11 1.62 0.00 | 30.74 1.37 0.00 | 25.86 1.08 -0.14 | 24.71 1.02 -0.10 |
| JARVIS____ 23743 | 32.68 0.09 0.00 | 27.41 0.08 0.00 | 22.91 0.08 0.00 | 23.18 0.09 0.00 | 27.08 0.08 0.00 | 24.85 0.08 0.00 | 21.17 0.07 0.00 | 17.70 0.05 0.00 | 20.78 0.04 0.00 | 22.20 0.02 0.00 | 20.98 0.03 0.00 | 25.22 0.03 0.00 | 27.76 0.04 0.00 | 29.17 0.05 0.00 | 28.68 0.05 0.00 | 36.07 0.05 0.00 | 33.43 0.10 0.00 | 37.73 0.25 0.00 | 37.38 0.29 0.00 | 33.55 0.28 0.00 | 31.71 0.22 0.00 | 29.47 0.10 0.00 | 24.70 0.05 0.00 | 23.63 0.05 0.00 |
| JENNISON__1 23625 | 33.97 1.39 0.00 | 28.50 1.17 0.00 | 23.80 0.97 0.00 | 24.08 0.99 0.00 | 28.17 1.17 0.00 | 25.81 1.03 0.00 | 21.97 0.87 0.00 | 18.32 0.67 0.00 | 21.50 0.77 0.00 | 22.97 0.80 0.00 | 21.69 0.74 0.00 | 26.04 0.84 0.00 | 28.60 0.88 0.00 | 30.06 0.94 0.00 | 29.66 1.03 0.00 | 37.54 1.51 0.00 | 34.94 1.62 0.00 | 39.76 2.28 0.00 | 38.33 1.25 0.00 | 35.19 1.92 0.00 | 33.34 1.85 0.00 | 30.86 1.49 0.00 | 25.84 1.19 0.00 | 24.72 1.13 0.00 |
| JENNISON__2 23626 | 33.97 1.39 0.00 | 28.50 1.17 0.00 | 23.80 0.97 0.00 | 24.08 0.99 0.00 | 28.17 1.17 0.00 | 25.81 1.03 0.00 | 21.97 0.87 0.00 | 18.32 0.67 0.00 | 21.50 0.77 0.00 | 22.97 0.80 0.00 | 21.69 0.74 0.00 | 26.04 0.84 0.00 | 28.60 0.88 0.00 | 30.06 0.94 0.00 | 29.66 1.03 0.00 | 37.54 1.51 0.00 | 34.94 1.62 0.00 | 39.76 2.28 0.00 | 38.33 1.25 0.00 | 35.19 1.92 0.00 | 33.34 1.85 0.00 | 30.86 1.49 0.00 | 25.84 1.19 0.00 | 24.72 1.13 0.00 |
| JERICHO_RISE_WT_PWR 323719 | 33.21 0.63 0.00 | 27.87 0.54 0.00 | 23.20 0.37 0.00 | 23.43 0.34 0.00 | 27.52 0.52 0.00 | 25.28 0.50 0.00 | 21.51 0.40 0.00 | 17.99 0.35 0.00 | 21.10 0.36 0.00 | 22.59 0.42 0.00 | 21.34 0.39 0.00 | 25.68 0.49 0.00 | 28.23 0.51 0.00 | 29.66 0.54 0.00 | 29.25 0.62 0.00 | 36.94 0.92 0.00 | 34.08 0.76 0.00 | 38.00 0.52 0.00 | 37.33 0.25 0.00 | 33.48 0.21 0.00 | 31.82 0.33 0.00 | 30.03 0.66 0.00 | 25.25 0.60 0.00 | 24.11 0.53 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 34.51 1.92 0.00 | 28.90 1.58 0.00 | 23.98 1.15 0.00 | 24.18 1.09 0.00 | 28.25 1.25 0.00 | 25.91 1.14 0.00 | 22.25 1.15 0.00 | 18.67 1.02 0.00 | 21.97 1.24 0.00 | 23.52 1.34 -0.01 | 163.39 1.21 -141.23 | 27.53 1.54 -0.80 | 30.49 1.85 -0.91 | 42.15 2.10 -10.93 | 65.57 2.10 -34.84 | 42.92 2.70 -4.20 | 37.54 2.72 -1.50 | 41.56 3.58 -0.50 | 40.59 3.51 0.00 | 36.31 3.04 0.00 | 34.00 2.52 0.00 | 31.25 1.88 0.00 | 26.05 1.40 0.00 | 24.74 1.16 0.00 |
| KCE_NY_1 323755 | 33.78 1.20 0.00 | 28.32 0.99 0.00 | 23.81 0.98 0.00 | 24.14 1.05 0.00 | 28.19 1.20 0.00 | 25.84 1.06 0.00 | 22.05 0.94 0.00 | 18.40 0.75 0.00 | 21.54 0.80 0.00 | 22.90 0.73 0.00 | -85.86 0.67 107.48 | 25.32 0.74 0.61 | 27.81 0.79 0.70 | 21.62 0.81 8.32 | 2.91 0.80 26.52 | 33.83 1.00 3.20 | 33.44 1.26 1.14 | 38.92 1.82 0.38 | 39.20 2.12 0.00 | 35.28 2.01 0.00 | 33.37 1.88 0.00 | 30.81 1.44 0.00 | 25.68 1.03 0.00 | 24.44 0.86 0.00 |
| KCE_NY_6_ESR 323823 | 32.22 -0.36 0.00 | 26.99 -0.33 0.00 | 21.56 -0.18 1.09 | 21.86 -0.11 1.12 | 26.40 -0.15 0.44 | 24.07 -0.19 0.51 | 20.53 -0.56 0.02 | 17.13 -0.51 0.00 | 20.47 -0.27 0.00 | 22.20 0.03 0.00 | 21.04 0.08 0.00 | 25.08 -0.11 0.00 | 27.34 -0.37 0.00 | 28.50 -0.62 0.00 | 28.28 -0.35 0.00 | 35.67 -0.35 0.00 | 32.60 -0.72 0.00 | 36.75 -0.73 0.00 | 36.56 -0.52 0.00 | 32.73 -0.54 0.00 | 30.91 -0.58 0.00 | 28.92 -0.45 0.00 | 24.11 -0.10 0.44 | 23.33 0.09 0.33 |
| KEDC_PORT_JEFF_GT2 24210 | 34.76 2.17 0.00 | 29.46 2.13 0.00 | 24.40 1.57 0.00 | 24.50 1.41 0.00 | 28.65 1.65 0.00 | 26.30 1.53 0.00 | 22.48 1.38 0.00 | 18.84 1.20 0.00 | 22.04 1.30 0.00 | 23.63 1.45 -0.01 | 164.81 1.29 -142.57 | 27.53 1.54 -0.80 | 30.98 2.33 -0.92 | 43.35 2.88 -11.34 | 66.45 2.66 -35.17 | 43.01 3.38 -3.60 | 39.05 3.59 -2.14 | 56.18 4.75 -13.94 | 57.64 4.56 -16.00 | 42.55 4.08 -5.19 | 37.44 3.55 -2.40 | 32.58 2.87 -0.34 | 26.68 2.03 0.00 | 25.40 1.81 0.00 |
| KEDC_PORT_JEFF_GT3 24211 | 34.76 2.17 0.00 | 29.46 2.13 0.00 | 24.40 1.57 0.00 | 24.50 1.41 0.00 | 28.65 1.65 0.00 | 26.30 1.53 0.00 | 22.48 1.38 0.00 | 18.84 1.20 0.00 | 22.04 1.30 0.00 | 23.63 1.45 -0.01 | 164.81 1.29 -142.57 | 27.53 1.54 -0.80 | 30.98 2.33 -0.92 | 43.35 2.88 -11.34 | 66.45 2.66 -35.17 | 43.01 3.38 -3.60 | 39.05 3.59 -2.14 | 56.18 4.75 -13.94 | 57.64 4.56 -16.00 | 42.55 4.08 -5.19 | 37.44 3.55 -2.40 | 32.58 2.87 -0.34 | 26.68 2.03 0.00 | 25.40 1.81 0.00 |
| KEDC_GLWD_GT4 24219 | 34.74 2.16 0.00 | 29.18 1.85 0.00 | 24.19 1.36 0.00 | 24.35 1.26 0.00 | 28.44 1.45 0.00 | 26.11 1.33 0.00 | 22.38 1.28 0.00 | 18.76 1.12 0.00 | 22.06 1.32 0.00 | 23.65 1.47 -0.01 | 164.85 1.33 -142.57 | 27.69 1.69 -0.80 | 30.83 2.18 -0.92 | 43.00 2.54 -11.34 | 66.22 2.42 -35.17 | 48.33 3.16 -9.15 | 40.78 3.20 -4.26 | 44.00 4.12 -2.39 | 45.15 3.95 -4.12 | 38.98 3.47 -2.24 | 41.85 2.92 -7.44 | 31.95 2.25 -0.34 | 26.28 1.63 0.00 | 25.00 1.41 0.00 |
| KEDC_GLWD_GT5 24220 | 34.74 2.16 0.00 | 29.18 1.85 0.00 | 24.19 1.36 0.00 | 24.35 1.26 0.00 | 28.44 1.45 0.00 | 26.11 1.33 0.00 | 22.38 1.28 0.00 | 18.76 1.12 0.00 | 22.06 1.32 0.00 | 23.65 1.47 -0.01 | 164.85 1.33 -142.57 | 27.69 1.69 -0.80 | 30.83 2.18 -0.92 | 43.00 2.54 -11.34 | 66.22 2.42 -35.17 | 48.33 3.16 -9.15 | 40.78 3.20 -4.26 | 44.00 4.12 -2.39 | 45.15 3.95 -4.12 | 38.98 3.47 -2.24 | 41.85 2.92 -7.44 | 31.95 2.25 -0.34 | 26.28 1.63 0.00 | 25.00 1.41 0.00 |
| KENSICO____ 23655 | 34.48 1.89 0.00 | 28.90 1.57 0.00 | 23.97 1.14 0.00 | 24.16 1.07 0.00 | 28.23 1.23 0.00 | 25.90 1.13 0.00 | 22.25 1.15 0.00 | 18.65 1.01 0.00 | 21.95 1.22 0.00 | 23.50 1.33 -0.01 | 164.41 1.18 -142.27 | 27.49 1.50 -0.80 | 30.45 1.80 -0.92 | 42.18 2.05 -11.01 | 65.77 2.04 -35.10 | 42.85 2.60 -4.23 | 37.46 2.62 -1.51 | 41.47 3.48 -0.51 | 40.48 3.40 0.00 | 36.23 2.96 0.00 | 33.91 2.42 0.00 | 31.18 1.81 0.00 | 26.01 1.36 0.00 | 24.72 1.13 0.00 |

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| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 34.43 1.85 0.00 | 28.78 1.46 0.00 | 23.79 0.96 0.00 | 23.95 0.86 0.00 | 28.00 1.01 0.00 | 25.72 0.94 0.00 | 22.06 0.96 0.00 | 18.50 0.85 0.00 | 21.73 0.99 0.00 | 23.17 1.00 0.00 | 86.07 0.54 -64.57 | 26.39 0.84 -0.36 | 29.11 0.97 -0.42 | 35.24 1.12 -5.00 | 45.73 1.18 -15.93 | 39.57 1.63 -1.92 | 35.88 1.87 -0.69 | 40.36 2.66 -0.23 | 39.91 2.83 0.00 | 35.72 2.45 0.00 | 33.50 2.02 0.00 | 30.92 1.55 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| KIAC_JFK_GT1 23816 | 34.50 1.92 0.00 | 28.88 1.56 0.00 | 24.01 1.19 0.00 | 24.19 1.10 0.00 | 28.27 1.28 0.00 | 25.90 1.13 0.00 | 22.33 1.23 0.00 | 18.73 1.09 0.00 | 22.06 1.32 0.00 | 23.61 1.44 0.00 | 164.67 1.18 -142.54 | 27.52 1.52 -0.80 | 30.44 1.80 -0.92 | 42.22 2.07 -11.03 | 65.86 2.07 -35.17 | 42.83 2.57 -4.24 | 37.42 2.58 -1.52 | 41.32 3.34 -0.50 | 40.28 3.20 0.01 | 36.01 2.75 0.01 | 33.69 2.21 0.01 | 30.97 1.61 0.01 | 26.06 1.41 0.00 | 24.72 1.14 0.00 |
| KIAC_JFK_GT2 23817 | 34.50 1.92 0.00 | 28.88 1.56 0.00 | 24.01 1.19 0.00 | 24.19 1.10 0.00 | 28.27 1.28 0.00 | 25.90 1.13 0.00 | 22.33 1.23 0.00 | 18.73 1.09 0.00 | 22.06 1.32 0.00 | 23.61 1.44 0.00 | 164.67 1.18 -142.54 | 27.52 1.52 -0.80 | 30.44 1.80 -0.92 | 42.22 2.07 -11.03 | 65.86 2.07 -35.17 | 42.83 2.57 -4.24 | 37.42 2.58 -1.52 | 41.32 3.34 -0.50 | 40.28 3.20 0.01 | 36.01 2.75 0.01 | 33.69 2.21 0.01 | 30.97 1.61 0.01 | 26.06 1.41 0.00 | 24.72 1.14 0.00 |
| KIAC_JFK____ 323774 | 34.50 1.91 0.00 | 28.88 1.56 0.00 | 24.01 1.18 0.00 | 24.18 1.10 0.00 | 28.27 1.27 0.00 | 25.90 1.13 0.00 | 22.32 1.22 0.00 | 18.73 1.09 0.00 | 22.06 1.32 0.00 | 23.61 1.44 0.00 | 164.69 1.19 -142.54 | 27.52 1.52 -0.80 | 30.44 1.80 -0.92 | 42.23 2.07 -11.03 | 65.86 2.07 -35.17 | 42.83 2.57 -4.24 | 37.42 2.58 -1.52 | 41.32 3.34 -0.50 | 40.28 3.20 0.01 | 36.01 2.75 0.01 | 33.70 2.22 0.01 | 30.98 1.61 0.01 | 26.06 1.41 0.00 | 24.72 1.14 0.00 |
| KINTIGH____ 23543 | 31.59 -0.99 0.00 | 26.53 -0.80 0.00 | 22.25 -0.58 0.00 | 22.56 -0.53 0.00 | 26.32 -0.67 0.00 | 24.19 -0.59 0.00 | 20.30 -0.80 0.00 | 16.96 -0.69 0.00 | 20.19 -0.56 0.00 | 21.83 -0.34 0.00 | 20.64 -0.32 0.00 | 24.66 -0.54 0.00 | 26.92 -0.80 0.00 | 28.11 -1.01 0.00 | 27.74 -0.88 0.00 | 34.99 -1.03 0.00 | 32.03 -1.30 0.00 | 36.06 -1.43 0.00 | 35.82 -1.26 0.00 | 32.07 -1.20 0.00 | 30.31 -1.18 0.00 | 28.38 -0.99 0.00 | 24.06 -0.59 0.00 | 23.23 -0.35 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 34.08 1.50 0.00 | 28.59 1.26 0.00 | 23.77 0.95 0.00 | 23.98 0.89 0.00 | 28.21 1.22 0.00 | 25.89 1.11 0.00 | 22.06 0.95 0.00 | 18.44 0.79 0.00 | 21.59 0.85 0.00 | 23.07 0.89 0.00 | 21.77 0.82 0.00 | 26.20 1.01 0.00 | 28.86 1.15 0.00 | 30.31 1.19 0.00 | 29.98 1.36 0.00 | 37.87 1.84 0.00 | 35.02 1.70 0.00 | 39.27 1.79 0.00 | 38.64 1.56 0.00 | 34.64 1.37 0.00 | 32.79 1.31 0.00 | 30.87 1.50 0.00 | 25.89 1.24 0.00 | 24.70 1.12 0.00 |
| LACHUTE____HYDRO 323717 | 35.06 2.48 0.00 | 29.34 2.02 0.00 | 24.93 2.10 0.00 | 25.30 2.20 0.00 | 29.59 2.60 0.00 | 27.10 2.33 0.00 | 23.12 2.02 0.00 | 19.23 1.58 0.00 | 22.50 1.76 0.00 | 23.96 1.79 0.00 | -81.90 1.57 104.42 | 26.25 1.65 0.59 | 28.75 1.71 0.68 | 22.76 1.72 8.08 | 4.54 1.68 25.76 | 34.92 2.00 3.11 | 34.65 2.44 1.11 | 40.43 3.32 0.37 | 41.01 3.93 0.00 | 36.80 3.53 0.00 | 34.87 3.38 0.00 | 32.20 2.83 0.00 | 26.78 2.13 0.00 | 25.39 1.81 0.00 |
| LAWRNCV_115KV_TB1 80681 | 32.93 0.34 0.00 | 27.59 0.26 0.00 | 22.98 0.15 0.00 | 23.24 0.14 0.00 | 27.25 0.26 0.00 | 25.06 0.28 0.00 | 21.29 0.19 0.00 | 17.77 0.13 0.00 | 20.89 0.15 0.00 | 22.40 0.22 0.00 | 21.19 0.24 0.00 | 25.44 0.25 0.00 | 27.95 0.23 0.00 | 29.35 0.23 0.00 | 28.92 0.30 0.00 | 36.58 0.56 0.00 | 33.74 0.41 0.00 | 37.45 -0.03 0.00 | 36.29 -0.79 0.00 | 32.56 -0.71 0.00 | 31.52 0.03 0.00 | 29.79 0.42 0.00 | 25.08 0.43 0.00 | 23.95 0.37 0.00 |
| LEDERLE____ 23769 | 34.49 1.90 0.00 | 28.89 1.56 0.00 | 23.93 1.10 0.00 | 24.12 1.03 0.00 | 28.19 1.20 0.00 | 25.88 1.10 0.00 | 22.21 1.11 0.00 | 18.59 0.95 0.00 | 21.91 1.17 0.00 | 23.47 1.30 0.00 | 147.73 1.20 -125.57 | 27.45 1.55 -0.71 | 30.37 1.84 -0.81 | 40.89 2.05 -9.72 | 61.67 2.07 -30.98 | 42.38 2.63 -3.73 | 37.31 2.65 -1.33 | 41.44 3.51 -0.45 | 40.52 3.44 0.00 | 36.24 2.97 0.00 | 33.93 2.44 0.00 | 31.19 1.82 0.00 | 26.03 1.38 0.00 | 24.75 1.16 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 32.58 0.00 0.00 | 27.29 -0.04 0.00 | 22.84 0.01 0.00 | 23.11 0.02 0.00 | 27.03 0.03 0.00 | 24.79 0.02 0.00 | 21.06 -0.04 0.00 | 17.53 -0.11 0.00 | 20.59 -0.14 0.00 | 21.99 -0.18 0.00 | 20.87 -0.08 0.00 | 24.95 -0.24 0.00 | 27.50 -0.22 0.00 | 28.82 -0.30 0.00 | 28.46 -0.16 0.00 | 36.01 -0.02 0.00 | 33.24 -0.08 0.00 | 37.37 -0.11 0.00 | 37.09 0.01 0.00 | 33.33 0.06 0.00 | 31.60 0.11 0.00 | 29.46 0.09 0.00 | 24.74 0.09 0.00 | 23.68 0.10 0.00 |
| LINDEN COGEN____ 23786 | 34.51 1.92 0.00 | 28.91 1.59 0.00 | 23.99 1.16 0.00 | 24.17 1.08 0.00 | 28.20 1.21 0.00 | 25.89 1.11 0.00 | 22.29 1.19 0.00 | 18.70 1.06 0.00 | 22.04 1.30 0.00 | 23.61 1.43 -0.01 | 164.80 1.30 -142.54 | 27.62 1.63 -0.80 | 30.56 1.91 -0.92 | 42.31 2.16 -11.03 | 65.94 2.15 -35.17 | 42.99 2.73 -4.24 | 37.58 2.74 -1.52 | 41.64 3.65 -0.51 | 40.57 3.49 0.00 | 36.28 3.01 0.00 | 33.95 2.46 0.00 | 31.19 1.82 0.00 | 26.05 1.40 0.00 | 24.74 1.16 0.00 |
| LINDHRST_69_KV_BK1 356055 | 35.02 2.43 0.00 | 29.55 2.22 0.00 | 24.47 1.64 0.00 | 24.57 1.48 0.00 | 28.71 1.72 0.00 | 26.35 1.57 0.00 | 22.52 1.42 0.00 | 18.86 1.22 0.00 | 22.11 1.37 0.00 | 23.72 1.55 -0.01 | 164.85 1.33 -142.57 | 27.66 1.67 -0.80 | 31.04 2.39 -0.92 | 43.33 2.87 -11.34 | 66.45 2.65 -35.17 | 45.03 3.51 -5.49 | 39.78 3.60 -2.86 | 44.61 4.60 -2.52 | 44.97 4.38 -3.51 | 38.86 3.96 -1.63 | 39.13 3.53 -4.11 | 32.47 2.76 -0.34 | 26.64 1.99 0.00 | 25.37 1.79 0.00 |
| LIPA_MISC_IPP 23656 | 34.62 2.03 0.00 | 29.33 2.01 0.00 | 24.31 1.48 0.00 | 24.39 1.30 0.00 | 28.56 1.56 0.00 | 26.23 1.45 0.00 | 22.44 1.34 0.00 | 18.83 1.19 0.00 | 22.01 1.27 0.00 | 23.59 1.42 -0.01 | 164.73 1.21 -142.57 | 27.45 1.46 -0.80 | 30.90 2.26 -0.92 | 43.25 2.78 -11.34 | 66.32 2.53 -35.17 | 42.86 3.29 -3.55 | 38.90 3.46 -2.12 | 54.07 4.66 -11.93 | 55.30 4.50 -13.72 | 41.78 4.02 -4.49 | 37.41 3.57 -2.35 | 32.52 2.82 -0.34 | 26.64 1.99 0.00 | 25.33 1.74 0.00 |
| LISF____SOLAR 323691 | 34.68 2.10 0.00 | 29.38 2.06 0.00 | 24.35 1.52 0.00 | 24.42 1.34 0.00 | 28.61 1.62 0.00 | 26.27 1.49 0.00 | 22.47 1.37 0.00 | 18.86 1.22 0.00 | 22.04 1.30 0.00 | 23.62 1.44 -0.01 | 164.77 1.25 -142.57 | 27.46 1.47 -0.80 | 30.90 2.26 -0.92 | 43.27 2.81 -11.34 | 66.33 2.53 -35.17 | 42.81 3.21 -3.57 | 38.95 3.50 -2.13 | 54.32 4.75 -12.09 | 55.54 4.56 -13.90 | 41.92 4.10 -4.55 | 37.42 3.57 -2.37 | 32.59 2.89 -0.34 | 26.69 2.05 0.00 | 25.38 1.80 0.00 |
| LITTLE FALLS____HYD 24013 | 32.76 0.17 0.00 | 27.45 0.12 0.00 | 23.02 0.19 0.00 | 23.30 0.21 0.00 | 27.10 0.11 0.00 | 24.76 -0.02 0.00 | 21.10 0.00 0.00 | 17.51 -0.14 0.00 | 20.38 -0.36 0.00 | 21.58 -0.60 0.00 | 20.48 -0.47 0.00 | 24.57 -0.62 0.00 | 27.04 -0.68 0.00 | 28.49 -0.63 0.00 | 28.18 -0.44 0.00 | 35.55 -0.47 0.00 | 33.24 -0.08 0.00 | 37.96 0.48 0.00 | 38.22 1.14 0.00 | 34.45 1.18 0.00 | 32.57 1.08 0.00 | 30.01 0.64 0.00 | 24.95 0.30 0.00 | 23.69 0.11 0.00 |

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| LITTLRIV_115KV_TB1 356100 | 33.25 0.66 0.00 | 27.83 0.51 0.00 | 23.18 0.35 0.00 | 23.44 0.35 0.00 | 27.50 0.51 0.00 | 25.29 0.51 0.00 | 21.48 0.38 0.00 | 17.88 0.24 0.00 | 21.00 0.26 0.00 | 22.51 0.33 0.00 | 21.28 0.32 0.00 | 25.54 0.35 0.00 | 28.08 0.36 0.00 | 29.48 0.36 0.00 | 29.06 0.43 0.00 | 36.85 0.82 0.00 | 34.09 0.76 0.00 | 37.76 0.28 0.00 | 36.68 -0.40 0.00 | 32.89 -0.38 0.00 | 31.84 0.35 0.00 | 30.15 0.78 0.00 | 25.37 0.72 0.00 | 24.21 0.62 0.00 |
| LI_NEWBRDGE___DRP 323616 | 34.48 1.89 0.00 | 29.08 1.75 0.00 | 24.09 1.26 0.00 | 24.23 1.14 0.00 | 28.30 1.31 0.00 | 25.98 1.20 0.00 | 22.23 1.13 0.00 | 18.62 0.97 0.00 | 21.84 1.10 0.00 | 23.43 1.25 -0.01 | 164.58 1.06 -142.57 | 27.37 1.38 -0.80 | 30.62 1.98 -0.92 | 42.84 2.38 -11.34 | 65.97 2.18 -35.17 | 41.26 2.94 -2.30 | 37.93 2.97 -1.64 | 42.22 3.87 -0.88 | 41.75 3.69 -0.99 | 37.04 3.27 -0.50 | 35.52 2.83 -1.20 | 31.84 2.13 -0.33 | 26.15 1.50 0.00 | 24.91 1.32 0.00 |
| LOCKPORT_115KV_TB60_63_64 80432 | 31.55 -1.03 0.00 | 26.49 -0.83 0.00 | 22.23 -0.60 0.00 | 22.55 -0.54 0.00 | 26.32 -0.68 0.00 | 24.18 -0.60 0.00 | 20.23 -0.87 0.00 | 16.86 -0.79 0.00 | 20.11 -0.63 0.00 | 21.80 -0.37 0.00 | 20.64 -0.31 0.00 | 24.62 -0.57 0.00 | 26.84 -0.88 0.00 | 28.02 -1.11 0.00 | 27.70 -0.93 0.00 | 34.91 -1.12 0.00 | 31.85 -1.48 0.00 | 35.78 -1.71 0.00 | 35.61 -1.47 0.00 | 31.92 -1.35 0.00 | 30.18 -1.30 0.00 | 28.34 -1.04 0.00 | 24.09 -0.56 0.00 | 23.28 -0.30 0.00 |
| LOCKPORT___CC1 323769 | 31.56 -1.02 0.00 | 26.50 -0.82 0.00 | 21.35 -0.60 0.88 | 21.66 -0.53 0.91 | 26.01 -0.63 0.35 | 23.77 -0.59 0.42 | 20.21 -0.88 0.01 | 16.86 -0.79 0.00 | 20.12 -0.62 0.00 | 21.81 -0.37 0.00 | 20.63 -0.32 0.00 | 24.63 -0.56 0.00 | 26.84 -0.88 0.00 | 28.02 -1.10 0.00 | 27.72 -0.90 0.00 | 34.91 -1.12 0.00 | 31.85 -1.47 0.00 | 35.80 -1.68 0.00 | 35.63 -1.45 0.00 | 31.92 -1.35 0.00 | 30.19 -1.30 0.00 | 28.32 -1.04 0.00 | 23.72 -0.56 0.36 | 23.00 -0.31 0.27 |
| LOCKPORT___CC2 323770 | 31.56 -1.02 0.00 | 26.50 -0.82 0.00 | 21.35 -0.60 0.88 | 21.66 -0.53 0.91 | 26.01 -0.63 0.35 | 23.77 -0.59 0.42 | 20.21 -0.88 0.01 | 16.86 -0.79 0.00 | 20.12 -0.62 0.00 | 21.81 -0.37 0.00 | 20.63 -0.32 0.00 | 24.63 -0.56 0.00 | 26.84 -0.88 0.00 | 28.02 -1.10 0.00 | 27.72 -0.90 0.00 | 34.91 -1.12 0.00 | 31.85 -1.47 0.00 | 35.80 -1.68 0.00 | 35.63 -1.45 0.00 | 31.92 -1.35 0.00 | 30.19 -1.30 0.00 | 28.32 -1.04 0.00 | 23.72 -0.56 0.36 | 23.00 -0.31 0.27 |
| LOCKPORT___CC3 323771 | 31.56 -1.02 0.00 | 26.50 -0.82 0.00 | 21.35 -0.60 0.88 | 21.66 -0.53 0.91 | 26.01 -0.63 0.35 | 23.77 -0.59 0.42 | 20.21 -0.88 0.01 | 16.86 -0.79 0.00 | 20.12 -0.62 0.00 | 21.81 -0.37 0.00 | 20.63 -0.32 0.00 | 24.63 -0.56 0.00 | 26.84 -0.88 0.00 | 28.02 -1.10 0.00 | 27.72 -0.90 0.00 | 34.91 -1.12 0.00 | 31.85 -1.47 0.00 | 35.80 -1.68 0.00 | 35.63 -1.45 0.00 | 31.92 -1.35 0.00 | 30.19 -1.30 0.00 | 28.32 -1.04 0.00 | 23.72 -0.56 0.36 | 23.00 -0.31 0.27 |
| LONG_LAKE_PHOENIX 24014 | 32.07 -0.51 0.00 | 26.88 -0.45 0.00 | 22.52 -0.31 0.00 | 22.79 -0.29 0.00 | 26.62 -0.37 0.00 | 24.42 -0.35 0.00 | 20.76 -0.34 0.00 | 17.34 -0.31 0.00 | 20.39 -0.35 0.00 | 21.81 -0.36 0.00 | 20.63 -0.32 0.00 | 24.77 -0.42 0.00 | 27.28 -0.43 0.00 | 28.62 -0.51 0.00 | 28.11 -0.52 0.00 | 35.36 -0.66 0.00 | 32.73 -0.59 0.00 | 36.89 -0.59 0.00 | 36.56 -0.52 0.00 | 32.78 -0.49 0.00 | 31.00 -0.49 0.00 | 28.83 -0.54 0.00 | 24.18 -0.47 0.00 | 23.27 -0.31 0.00 |
| LOVETT___3 23632 | 34.30 1.72 0.00 | 28.74 1.41 0.00 | 23.82 0.99 0.00 | 24.00 0.91 0.00 | 28.06 1.07 0.00 | 25.76 0.98 0.00 | 22.11 1.00 0.00 | 18.51 0.87 0.00 | 21.79 1.06 0.00 | 23.35 1.17 0.00 | 149.02 1.07 -127.00 | 27.29 1.38 -0.72 | 30.20 1.66 -0.82 | 40.82 1.87 -9.83 | 61.83 1.87 -31.33 | 42.18 2.38 -3.78 | 37.09 2.42 -1.35 | 41.18 3.25 -0.45 | 40.25 3.17 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.00 1.63 0.00 | 25.88 1.23 0.00 | 24.60 1.02 0.00 |
| LOVETT___4 23642 | 34.30 1.72 0.00 | 28.74 1.41 0.00 | 23.82 0.99 0.00 | 24.00 0.91 0.00 | 28.06 1.07 0.00 | 25.76 0.98 0.00 | 22.11 1.00 0.00 | 18.51 0.87 0.00 | 21.79 1.06 0.00 | 23.35 1.17 0.00 | 149.02 1.07 -127.00 | 27.29 1.38 -0.72 | 30.20 1.66 -0.82 | 40.82 1.87 -9.83 | 61.83 1.87 -31.33 | 42.18 2.38 -3.78 | 37.09 2.42 -1.35 | 41.18 3.25 -0.45 | 40.25 3.17 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.00 1.63 0.00 | 25.88 1.23 0.00 | 24.60 1.02 0.00 |
| LOVETT___5 23593 | 34.30 1.72 0.00 | 28.74 1.41 0.00 | 23.82 0.99 0.00 | 24.00 0.91 0.00 | 28.06 1.07 0.00 | 25.76 0.98 0.00 | 22.11 1.00 0.00 | 18.51 0.87 0.00 | 21.79 1.06 0.00 | 23.35 1.17 0.00 | 149.02 1.07 -127.00 | 27.29 1.38 -0.72 | 30.20 1.66 -0.82 | 40.82 1.87 -9.83 | 61.83 1.87 -31.33 | 42.18 2.38 -3.78 | 37.09 2.42 -1.35 | 41.18 3.25 -0.45 | 40.25 3.17 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.00 1.63 0.00 | 25.88 1.23 0.00 | 24.60 1.02 0.00 |
| LOWER RAQUET___HYD 24057 | 32.99 0.41 0.00 | 27.63 0.31 0.00 | 23.01 0.18 0.00 | 23.28 0.19 0.00 | 27.30 0.30 0.00 | 25.10 0.32 0.00 | 21.33 0.22 0.00 | 17.79 0.15 0.00 | 20.91 0.18 0.00 | 22.42 0.24 0.00 | 21.21 0.25 0.00 | 25.46 0.27 0.00 | 27.97 0.25 0.00 | 29.38 0.26 0.00 | 28.96 0.33 0.00 | 36.65 0.63 0.00 | 33.81 0.48 0.00 | 37.53 0.05 0.00 | 36.40 -0.68 0.00 | 32.67 -0.60 0.00 | 31.59 0.11 0.00 | 29.87 0.50 0.00 | 25.14 0.49 0.00 | 23.99 0.41 0.00 |
| LOWER___HUDSON 24059 | 33.34 0.76 0.00 | 27.98 0.66 0.00 | 23.46 0.63 0.00 | 23.77 0.68 0.00 | 27.77 0.78 0.00 | 25.46 0.68 0.00 | 21.72 0.62 0.00 | 18.15 0.51 0.00 | 21.23 0.49 0.00 | 22.54 0.37 0.00 | -113.87 0.34 135.16 | 24.82 0.40 0.76 | 27.26 0.42 0.88 | 19.12 0.46 10.46 | -4.26 0.46 33.35 | 32.57 0.57 4.02 | 32.62 0.74 1.44 | 38.25 1.25 0.48 | 38.57 1.49 0.00 | 34.74 1.47 0.00 | 32.85 1.37 0.00 | 30.32 0.95 0.00 | 25.27 0.62 0.00 | 24.03 0.45 0.00 |
| LOWVILLE_115KV_TB2 356335 | 33.69 1.10 0.00 | 28.18 0.85 0.00 | 23.52 0.69 0.00 | 23.81 0.72 0.00 | 27.87 0.88 0.00 | 25.56 0.78 0.00 | 21.70 0.60 0.00 | 18.02 0.37 0.00 | 21.14 0.40 0.00 | 22.54 0.37 0.00 | 21.38 0.43 0.00 | 25.56 0.37 0.00 | 28.12 0.40 0.00 | 29.55 0.43 0.00 | 29.29 0.66 0.00 | 37.25 1.23 0.00 | 34.43 1.10 0.00 | 38.87 1.39 0.00 | 38.36 1.28 0.00 | 34.53 1.26 0.00 | 32.87 1.38 0.00 | 30.57 1.21 0.00 | 25.67 1.02 0.00 | 24.48 0.90 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 33.76 1.18 0.00 | 28.31 0.99 0.00 | 23.81 0.98 0.00 | 24.13 1.04 0.00 | 28.19 1.20 0.00 | 25.84 1.06 0.00 | 22.05 0.95 0.00 | 18.40 0.75 0.00 | 21.53 0.79 0.00 | 22.89 0.72 0.00 | -85.88 0.65 107.48 | 25.31 0.72 0.61 | 27.80 0.78 0.70 | 21.63 0.82 8.32 | 2.89 0.79 26.52 | 33.80 0.97 3.20 | 33.42 1.24 1.14 | 38.89 1.79 0.38 | 39.17 2.09 0.00 | 35.25 1.97 0.00 | 33.34 1.85 0.00 | 30.79 1.43 0.00 | 25.68 1.03 0.00 | 24.43 0.84 0.00 |
| LUTHERNY_35_KV_BK2 355980 | 33.79 1.20 0.00 | 28.32 1.00 0.00 | 23.81 0.98 0.00 | 24.14 1.05 0.00 | 28.20 1.20 0.00 | 25.84 1.06 0.00 | 22.04 0.94 0.00 | 18.40 0.76 0.00 | 21.54 0.80 0.00 | 22.90 0.73 0.00 | -85.86 0.67 107.48 | 25.32 0.74 0.61 | 27.81 0.79 0.70 | 21.64 0.83 8.32 | 2.92 0.81 26.52 | 33.84 1.01 3.20 | 33.44 1.26 1.14 | 38.92 1.82 0.38 | 39.20 2.12 0.00 | 35.28 2.01 0.00 | 33.37 1.88 0.00 | 30.81 1.44 0.00 | 25.68 1.03 0.00 | 24.45 0.86 0.00 |

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| LWR___OSWEGATCHIE_HYD 23850 | 33.34 0.75 0.00 | 27.89 0.57 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.59 0.59 0.00 | 25.33 0.55 0.00 | 21.51 0.41 0.00 | 17.90 0.25 0.00 | 21.01 0.27 0.00 | 22.46 0.29 0.00 | 21.29 0.33 0.00 | 25.46 0.27 0.00 | 28.01 0.29 0.00 | 29.42 0.30 0.00 | 29.10 0.48 0.00 | 36.96 0.94 0.00 | 34.12 0.80 0.00 | 38.17 0.69 0.00 | 37.39 0.30 0.00 | 33.61 0.34 0.00 | 32.25 0.76 0.00 | 30.25 0.88 0.00 | 25.43 0.78 0.00 | 24.25 0.67 0.00 |
| LYONS_FALL_HYD 23570 | 33.52 0.93 0.00 | 28.05 0.72 0.00 | 23.43 0.60 0.00 | 23.70 0.61 0.00 | 27.74 0.74 0.00 | 25.44 0.66 0.00 | 21.61 0.51 0.00 | 17.98 0.34 0.00 | 21.12 0.38 0.00 | 22.53 0.36 0.00 | 21.35 0.39 0.00 | 25.55 0.36 0.00 | 28.14 0.42 0.00 | 29.56 0.43 0.00 | 29.26 0.63 0.00 | 37.10 1.08 0.00 | 34.35 1.02 0.00 | 38.79 1.31 0.00 | 38.32 1.24 0.00 | 34.44 1.17 0.00 | 32.68 1.19 0.00 | 30.40 1.03 0.00 | 25.49 0.84 0.00 | 24.33 0.75 0.00 |
| MADISON___COUNTY_LFGE 323628 | 33.38 0.80 0.00 | 27.96 0.63 0.00 | 23.36 0.53 0.00 | 23.63 0.54 0.00 | 27.62 0.63 0.00 | 25.33 0.55 0.00 | 21.54 0.44 0.00 | 17.93 0.29 0.00 | 21.06 0.32 0.00 | 22.50 0.33 0.00 | 21.28 0.33 0.00 | 25.54 0.35 0.00 | 28.13 0.41 0.00 | 29.56 0.44 0.00 | 29.20 0.58 0.00 | 36.89 0.86 0.00 | 34.31 0.98 0.00 | 38.79 1.31 0.00 | 38.37 1.29 0.00 | 34.39 1.12 0.00 | 32.51 1.02 0.00 | 30.22 0.85 0.00 | 25.30 0.66 0.00 | 24.20 0.62 0.00 |
| MALONE___115KV_TB1 356076 | 33.44 0.86 0.00 | 28.03 0.70 0.00 | 23.34 0.50 0.00 | 23.58 0.49 0.00 | 27.68 0.69 0.00 | 25.45 0.67 0.00 | 21.65 0.55 0.00 | 18.09 0.44 0.00 | 21.23 0.49 0.00 | 22.74 0.56 0.00 | 21.49 0.53 0.00 | 25.82 0.63 0.00 | 28.39 0.68 0.00 | 29.82 0.70 0.00 | 29.40 0.77 0.00 | 37.19 1.17 0.00 | 34.37 1.04 0.00 | 38.33 0.84 0.00 | 37.56 0.48 0.00 | 33.70 0.43 0.00 | 32.15 0.66 0.00 | 30.35 0.98 0.00 | 25.50 0.85 0.00 | 24.32 0.74 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 33.14 0.56 0.00 | 27.85 0.52 0.00 | 23.45 0.62 0.00 | 23.81 0.72 0.00 | 27.76 0.76 0.00 | 25.40 0.63 0.00 | 21.66 0.56 0.00 | 18.09 0.45 0.00 | 21.15 0.41 0.00 | 22.41 0.25 0.00 | -87.09 0.24 108.29 | 24.84 0.26 0.61 | 27.28 0.26 0.70 | 21.10 0.36 8.38 | 2.32 0.41 26.72 | 33.34 0.54 3.22 | 32.86 0.68 1.15 | 38.26 1.16 0.38 | 38.43 1.35 0.00 | 34.56 1.29 0.00 | 32.71 1.22 0.00 | 30.19 0.82 0.00 | 25.17 0.52 0.00 | 23.93 0.35 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 32.43 -0.15 0.00 | 27.22 -0.11 0.00 | 22.73 -0.10 0.00 | 22.98 -0.11 0.00 | 26.91 -0.08 0.00 | 24.71 -0.06 0.00 | 21.04 -0.07 0.00 | 17.59 -0.06 0.00 | 20.68 -0.06 0.00 | 22.14 -0.03 0.00 | 20.92 -0.03 0.00 | 25.16 -0.04 0.00 | 27.65 -0.07 0.00 | 29.05 -0.07 0.00 | 28.57 -0.05 0.00 | 35.91 -0.11 0.00 | 33.14 -0.19 0.00 | 37.15 -0.33 0.00 | 36.55 -0.53 0.00 | 32.75 -0.52 0.00 | 30.93 -0.56 0.00 | 28.93 -0.44 0.00 | 24.35 -0.30 0.00 | 23.43 -0.15 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 32.43 -0.15 0.00 | 27.22 -0.11 0.00 | 22.73 -0.10 0.00 | 22.98 -0.11 0.00 | 26.91 -0.08 0.00 | 24.71 -0.06 0.00 | 21.04 -0.07 0.00 | 17.59 -0.06 0.00 | 20.68 -0.06 0.00 | 22.14 -0.03 0.00 | 20.92 -0.03 0.00 | 25.16 -0.04 0.00 | 27.65 -0.07 0.00 | 29.05 -0.07 0.00 | 28.57 -0.05 0.00 | 35.91 -0.11 0.00 | 33.14 -0.19 0.00 | 37.15 -0.33 0.00 | 36.55 -0.53 0.00 | 32.75 -0.52 0.00 | 30.93 -0.56 0.00 | 28.93 -0.44 0.00 | 24.35 -0.30 0.00 | 23.43 -0.15 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 33.41 0.82 0.00 | 28.04 0.71 0.00 | 23.34 0.51 0.00 | 23.56 0.47 0.00 | 27.68 0.69 0.00 | 25.42 0.64 0.00 | 21.64 0.54 0.00 | 18.09 0.45 0.00 | 21.21 0.47 0.00 | 22.69 0.52 0.00 | 21.43 0.48 0.00 | 25.79 0.60 0.00 | 28.38 0.66 0.00 | 29.81 0.69 0.00 | 29.42 0.79 0.00 | 37.15 1.13 0.00 | 34.31 0.98 0.00 | 38.30 0.82 0.00 | 37.64 0.56 0.00 | 33.75 0.48 0.00 | 32.04 0.55 0.00 | 30.19 0.82 0.00 | 25.37 0.72 0.00 | 24.23 0.65 0.00 |
| MARSHVLE_115KV_TB1 80742 | 35.04 2.46 0.00 | 29.37 2.05 0.00 | 24.30 1.47 0.00 | 24.55 1.46 0.00 | 28.65 1.66 0.00 | 26.32 1.54 0.00 | 22.23 1.13 0.00 | 18.33 0.68 0.00 | 21.60 0.87 0.00 | 23.23 1.06 0.00 | -28.83 1.22 51.00 | 26.11 1.21 0.29 | 28.75 1.37 0.33 | 26.81 1.64 3.95 | 17.61 1.57 12.58 | 36.63 2.12 1.52 | 34.88 2.10 0.54 | 39.52 2.22 0.18 | 39.72 2.64 0.00 | 35.59 2.32 0.00 | 33.70 2.21 0.00 | 31.63 2.26 0.00 | 26.62 1.97 0.00 | 25.49 1.91 0.00 |
| MARSH_HILL_WT_PWR 323713 | 32.98 0.40 0.00 | 27.50 0.17 0.00 | 23.35 0.16 -0.36 | 23.67 0.21 -0.37 | 27.42 0.28 -0.14 | 25.01 0.06 -0.17 | 20.83 -0.28 0.00 | 17.27 -0.37 0.00 | 20.49 -0.25 0.00 | 22.20 0.03 0.00 | 21.00 0.05 0.00 | 24.99 -0.20 0.00 | 27.34 -0.38 0.00 | 28.28 -0.84 0.00 | 28.06 -0.56 0.00 | 36.05 0.02 0.00 | 33.55 0.23 0.00 | 38.06 0.58 0.00 | 37.68 0.61 0.00 | 33.68 0.41 0.00 | 31.73 0.24 0.00 | 29.37 0.00 0.00 | 24.90 0.11 -0.15 | 23.87 0.18 -0.11 |
| MCINTYRE_115KV_TB2 80467 | 33.31 0.73 0.00 | 27.89 0.56 0.00 | 23.22 0.38 0.00 | 23.48 0.39 0.00 | 27.56 0.56 0.00 | 25.35 0.57 0.00 | 21.51 0.41 0.00 | 17.87 0.23 0.00 | 20.98 0.24 0.00 | 22.49 0.31 0.00 | 21.26 0.30 0.00 | 25.53 0.34 0.00 | 28.06 0.34 0.00 | 29.46 0.33 0.00 | 29.02 0.39 0.00 | 36.81 0.78 0.00 | 34.14 0.82 0.00 | 37.75 0.26 0.00 | 36.71 -0.38 0.00 | 32.90 -0.38 0.00 | 31.87 0.38 0.00 | 30.21 0.84 0.00 | 25.42 0.78 0.00 | 24.26 0.67 0.00 |
| MECO_____69_KV_BK1 80468 | 37.01 4.42 0.00 | 30.95 3.63 0.00 | 25.64 2.81 0.00 | 25.79 2.70 0.00 | 30.09 3.10 0.00 | 27.65 2.87 0.00 | 23.30 2.19 0.00 | 18.82 1.17 0.00 | 21.55 0.81 0.00 | 22.95 0.78 0.00 | -34.79 1.45 57.20 | 25.53 0.66 0.32 | 27.92 0.57 0.37 | 25.80 1.11 4.43 | 15.17 0.65 14.11 | 36.57 2.25 1.70 | 35.93 3.22 0.61 | 41.98 4.70 0.20 | 42.16 5.08 0.00 | 38.00 4.73 0.00 | 35.92 4.43 0.00 | 33.57 4.20 0.00 | 28.20 3.55 0.00 | 26.95 3.36 0.00 |
| MENANDS__115KV_TB5 355628 | 32.95 0.36 0.00 | 27.70 0.37 0.00 | 23.37 0.54 0.00 | 23.76 0.67 0.00 | 27.69 0.69 0.00 | 25.32 0.55 0.00 | 21.59 0.49 0.00 | 18.02 0.38 0.00 | 21.06 0.32 0.00 | 22.31 0.14 0.00 | -86.94 0.15 108.04 | 24.73 0.14 0.61 | 27.15 0.13 0.70 | 20.98 0.22 8.36 | 2.25 0.28 26.65 | 33.16 0.34 3.21 | 32.66 0.49 1.15 | 38.02 0.92 0.38 | 38.17 1.09 0.00 | 34.34 1.07 0.00 | 32.50 1.01 0.00 | 29.98 0.62 0.00 | 25.00 0.35 0.00 | 23.78 0.20 0.00 |
| MG INDUSTRY___DRP 24185 | 33.08 0.50 0.00 | 27.80 0.47 0.00 | 23.42 0.59 0.00 | 23.81 0.72 0.00 | 27.76 0.77 0.00 | 25.40 0.62 0.00 | 21.62 0.51 0.00 | 18.00 0.35 0.00 | 21.00 0.26 0.00 | 22.24 0.07 0.00 | -40.64 0.16 61.74 | 24.98 0.14 0.35 | 27.31 -0.01 0.40 | 24.42 0.08 4.78 | 13.69 0.30 15.23 | 34.53 0.34 1.84 | 33.14 0.47 0.66 | 38.11 0.85 0.22 | 38.13 1.05 0.00 | 34.32 1.05 0.00 | 32.53 1.04 0.00 | 30.08 0.71 0.00 | 25.10 0.44 0.00 | 23.90 0.31 0.00 |
| MID___OSWEGATCHIE_HYD 23849 | 33.34 0.75 0.00 | 27.89 0.57 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.59 0.59 0.00 | 25.33 0.55 0.00 | 21.51 0.41 0.00 | 17.90 0.25 0.00 | 21.01 0.27 0.00 | 22.46 0.29 0.00 | 21.29 0.33 0.00 | 25.46 0.27 0.00 | 28.01 0.29 0.00 | 29.42 0.30 0.00 | 29.10 0.48 0.00 | 36.96 0.94 0.00 | 34.12 0.80 0.00 | 38.17 0.69 0.00 | 37.39 0.30 0.00 | 33.61 0.34 0.00 | 32.25 0.76 0.00 | 30.25 0.88 0.00 | 25.43 0.78 0.00 | 24.25 0.67 0.00 |

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| MID___RAQUETTE_HYD 23851 | 32.99 0.41 0.00 | 27.63 0.30 0.00 | 23.01 0.18 0.00 | 23.28 0.19 0.00 | 27.30 0.30 0.00 | 25.10 0.32 0.00 | 21.32 0.22 0.00 | 17.79 0.15 0.00 | 20.91 0.17 0.00 | 22.42 0.24 0.00 | 21.20 0.25 0.00 | 25.46 0.27 0.00 | 27.97 0.25 0.00 | 29.38 0.26 0.00 | 28.96 0.33 0.00 | 36.65 0.63 0.00 | 33.81 0.48 0.00 | 37.53 0.05 0.00 | 36.40 -0.68 0.00 | 32.67 -0.60 0.00 | 31.59 0.10 0.00 | 29.87 0.50 0.00 | 25.14 0.49 0.00 | 23.99 0.41 0.00 |
| MILLIKEN___1 23584 | 33.12 0.53 0.00 | 27.71 0.39 0.00 | 23.17 0.34 0.00 | 23.42 0.33 0.00 | 27.39 0.40 0.00 | 25.12 0.34 0.00 | 21.34 0.24 0.00 | 17.80 0.16 0.00 | 20.93 0.19 0.00 | 22.33 0.16 0.00 | 21.12 0.17 0.00 | 25.34 0.15 0.00 | 27.89 0.17 0.00 | 29.31 0.19 0.00 | 28.89 0.27 0.00 | 36.49 0.47 0.00 | 33.94 0.61 0.00 | 38.38 0.90 0.00 | 38.00 0.92 0.00 | 34.07 0.80 0.00 | 32.20 0.72 0.00 | 29.89 0.52 0.00 | 25.08 0.43 0.00 | 24.03 0.44 0.00 |
| MILLIKEN___2 23585 | 33.12 0.53 0.00 | 27.71 0.39 0.00 | 23.17 0.34 0.00 | 23.42 0.33 0.00 | 27.39 0.40 0.00 | 25.12 0.34 0.00 | 21.34 0.24 0.00 | 17.80 0.16 0.00 | 20.93 0.19 0.00 | 22.33 0.16 0.00 | 21.12 0.17 0.00 | 25.34 0.15 0.00 | 27.89 0.17 0.00 | 29.31 0.19 0.00 | 28.89 0.27 0.00 | 36.49 0.47 0.00 | 33.94 0.61 0.00 | 38.38 0.90 0.00 | 38.00 0.92 0.00 | 34.07 0.80 0.00 | 32.20 0.72 0.00 | 29.89 0.52 0.00 | 25.08 0.43 0.00 | 24.03 0.44 0.00 |
| MILLIKEN___DIESEL 23629 | 33.12 0.53 0.00 | 27.71 0.39 0.00 | 23.17 0.34 0.00 | 23.42 0.33 0.00 | 27.39 0.40 0.00 | 25.12 0.34 0.00 | 21.34 0.24 0.00 | 17.80 0.16 0.00 | 20.93 0.19 0.00 | 22.33 0.16 0.00 | 21.12 0.17 0.00 | 25.34 0.15 0.00 | 27.89 0.17 0.00 | 29.31 0.19 0.00 | 28.89 0.27 0.00 | 36.49 0.47 0.00 | 33.94 0.61 0.00 | 38.38 0.90 0.00 | 38.00 0.92 0.00 | 34.07 0.80 0.00 | 32.20 0.72 0.00 | 29.89 0.52 0.00 | 25.08 0.43 0.00 | 24.03 0.44 0.00 |
| MILLSEAT___LFGE 323607 | 32.14 -0.44 0.00 | 26.96 -0.37 0.00 | 21.79 -0.24 0.80 | 22.09 -0.18 0.82 | 26.44 -0.23 0.32 | 24.18 -0.22 0.38 | 20.55 -0.53 0.01 | 17.14 -0.51 0.00 | 20.40 -0.34 0.00 | 22.10 -0.07 0.00 | 20.94 -0.02 0.00 | 25.07 -0.12 0.00 | 27.38 -0.34 0.00 | 28.65 -0.47 0.00 | 28.31 -0.31 0.00 | 35.58 -0.44 0.00 | 32.54 -0.78 0.00 | 36.44 -1.04 0.00 | 36.36 -0.72 0.00 | 32.63 -0.65 0.00 | 30.89 -0.60 0.00 | 28.95 -0.42 0.00 | 24.22 -0.11 0.32 | 23.42 0.08 0.25 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 34.37 1.79 0.00 | 28.80 1.47 0.00 | 23.89 1.06 0.00 | 24.08 0.99 0.00 | 28.14 1.15 0.00 | 25.82 1.04 0.00 | 22.17 1.07 0.00 | 18.58 0.94 0.00 | 21.87 1.13 0.00 | 23.41 1.23 0.00 | 159.91 1.11 -137.85 | 27.38 1.41 -0.78 | 30.31 1.70 -0.89 | 41.72 1.93 -10.67 | 64.56 1.93 -34.01 | 42.57 2.45 -4.10 | 37.27 2.48 -1.47 | 41.29 3.32 -0.49 | 40.33 3.25 0.00 | 36.10 2.82 0.00 | 33.79 2.31 0.00 | 31.07 1.70 0.00 | 25.92 1.27 0.00 | 24.64 1.06 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 34.46 1.88 0.00 | 28.87 1.54 0.00 | 23.94 1.11 0.00 | 24.13 1.04 0.00 | 28.19 1.20 0.00 | 25.88 1.10 0.00 | 22.22 1.12 0.00 | 18.62 0.98 0.00 | 21.92 1.18 0.00 | 23.46 1.28 0.00 | 159.97 1.16 -137.85 | 27.45 1.48 -0.78 | 30.39 1.77 -0.89 | 41.81 2.02 -10.67 | 64.66 2.03 -34.01 | 42.68 2.56 -4.10 | 37.38 2.59 -1.47 | 41.42 3.45 -0.49 | 40.47 3.39 0.00 | 36.21 2.93 0.00 | 33.90 2.41 0.00 | 31.16 1.79 0.00 | 26.00 1.35 0.00 | 24.71 1.12 0.00 |
| MODEL_CITY_ENERGY 24167 | 31.21 -1.37 0.00 | 26.22 -1.11 0.00 | 21.05 -0.84 0.94 | 21.34 -0.78 0.97 | 25.71 -0.91 0.38 | 23.49 -0.84 0.44 | 20.01 -1.08 0.01 | 16.68 -0.96 0.00 | 19.92 -0.82 0.00 | 21.58 -0.60 0.00 | 20.39 -0.56 0.00 | 24.35 -0.84 0.00 | 26.54 -1.18 0.00 | 27.71 -1.41 0.00 | 27.41 -1.22 0.00 | 34.51 -1.52 0.00 | 31.47 -1.85 0.00 | 35.34 -2.14 0.00 | 35.17 -1.91 0.00 | 31.53 -1.74 0.00 | 29.80 -1.69 0.00 | 28.00 -1.37 0.00 | 23.43 -0.84 0.38 | 22.73 -0.56 0.29 |
| MODERN_LFGE___ 323580 | 31.21 -1.37 0.00 | 26.22 -1.11 0.00 | 21.05 -0.84 0.94 | 21.34 -0.78 0.97 | 25.71 -0.91 0.38 | 23.49 -0.84 0.44 | 20.01 -1.08 0.01 | 16.68 -0.96 0.00 | 19.92 -0.82 0.00 | 21.58 -0.60 0.00 | 20.39 -0.56 0.00 | 24.35 -0.84 0.00 | 26.54 -1.18 0.00 | 27.71 -1.41 0.00 | 27.41 -1.22 0.00 | 34.51 -1.52 0.00 | 31.47 -1.85 0.00 | 35.34 -2.14 0.00 | 35.17 -1.91 0.00 | 31.53 -1.74 0.00 | 29.80 -1.69 0.00 | 28.00 -1.37 0.00 | 23.43 -0.84 0.38 | 22.73 -0.56 0.29 |
| MOHAWK_PAPER___DRP 24187 | 33.14 0.56 0.00 | 27.85 0.52 0.00 | 23.45 0.62 0.00 | 23.81 0.72 0.00 | 27.76 0.76 0.00 | 25.40 0.63 0.00 | 21.66 0.56 0.00 | 18.09 0.45 0.00 | 21.15 0.41 0.00 | 22.41 0.25 0.00 | -87.09 0.24 108.29 | 24.84 0.26 0.61 | 27.28 0.26 0.70 | 21.10 0.36 8.38 | 2.32 0.41 26.72 | 33.34 0.54 3.22 | 32.86 0.68 1.15 | 38.26 1.16 0.38 | 38.43 1.35 0.00 | 34.56 1.29 0.00 | 32.71 1.22 0.00 | 30.19 0.82 0.00 | 25.17 0.52 0.00 | 23.93 0.35 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 33.88 1.29 0.00 | 28.41 1.08 0.00 | 24.12 1.29 0.00 | 24.48 1.39 0.00 | 28.61 1.61 0.00 | 26.22 1.44 0.00 | 22.39 1.29 0.00 | 18.65 1.01 0.00 | 21.82 1.09 0.00 | 23.20 1.04 0.00 | -83.87 0.87 105.70 | 25.54 0.95 0.60 | 28.02 0.98 0.69 | 21.88 0.94 8.18 | 3.35 0.80 26.08 | 33.71 0.83 3.14 | 33.47 1.27 1.12 | 38.96 1.86 0.38 | 39.46 2.38 0.00 | 35.51 2.23 0.00 | 33.63 2.14 0.00 | 31.05 1.68 0.00 | 25.87 1.22 0.00 | 24.58 1.00 0.00 |
| MONGAUP___HYD 23641 | 34.28 1.70 0.00 | 28.71 1.39 0.00 | 23.83 1.00 0.00 | 24.04 0.95 0.00 | 28.10 1.11 0.00 | 25.77 1.00 0.00 | 22.07 0.97 0.00 | 18.43 0.79 0.00 | 21.58 0.84 0.00 | 23.00 0.82 0.00 | 132.28 0.69 -110.64 | 26.71 0.89 -0.62 | 29.55 1.11 -0.72 | 38.84 1.15 -8.56 | 57.10 1.18 -27.30 | 40.86 1.55 -3.29 | 36.32 1.82 -1.18 | 40.39 2.52 -0.39 | 39.58 2.50 0.00 | 35.44 2.17 0.00 | 33.35 1.86 0.00 | 30.90 1.53 0.00 | 25.94 1.30 0.00 | 24.70 1.12 0.00 |
| MONTAUK___DIESEL 23721 | 34.58 2.00 0.00 | 29.43 2.10 0.00 | 24.49 1.66 0.00 | 24.37 1.28 0.00 | 28.36 1.37 0.00 | 26.27 1.49 0.00 | 22.73 1.62 0.00 | 19.27 1.63 0.00 | 22.67 1.93 0.00 | 24.37 2.19 -0.01 | 165.32 1.80 -142.57 | 28.08 2.09 -0.80 | 31.97 3.33 -0.92 | 44.36 3.90 -11.34 | 66.77 2.97 -35.17 | 44.08 4.50 -3.55 | 40.19 4.74 -2.12 | 55.71 6.23 -12.00 | 56.86 5.97 -13.80 | 43.00 5.21 -4.52 | 38.58 4.74 -2.35 | 33.65 3.95 -0.34 | 27.53 2.88 0.00 | 25.92 2.34 0.00 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 33.30 0.71 0.00 | 27.76 0.44 0.00 | 23.21 0.38 0.00 | 23.48 0.39 0.00 | 27.30 0.31 0.00 | 24.82 0.05 0.00 | 20.47 -0.64 0.00 | 16.89 -0.75 0.00 | 20.35 -0.39 0.00 | 22.38 0.21 0.00 | 21.51 0.56 0.00 | 25.73 0.54 0.00 | 27.74 0.02 0.00 | 29.20 0.08 0.00 | 28.99 0.36 0.00 | 36.30 0.27 0.00 | 33.27 -0.06 0.00 | 37.88 0.39 0.00 | 37.95 0.87 0.00 | 33.99 0.72 0.00 | 31.99 0.50 0.00 | 29.83 0.46 0.00 | 25.25 0.60 0.00 | 24.29 0.70 0.00 |
| MORTIMER_115KV_TB3 55949 | 32.13 -0.45 0.00 | 26.94 -0.38 0.00 | 22.57 -0.26 0.00 | 22.87 -0.22 0.00 | 26.69 -0.31 0.00 | 24.51 -0.26 0.00 | 20.65 -0.45 0.00 | 17.24 -0.40 0.00 | 20.45 -0.29 0.00 | 22.07 -0.10 0.00 | 20.91 -0.05 0.00 | 25.06 -0.13 0.00 | 27.44 -0.27 0.00 | 28.73 -0.39 0.00 | 28.27 -0.35 0.00 | 35.58 -0.45 0.00 | 32.70 -0.62 0.00 | 36.79 -0.69 0.00 | 36.54 -0.54 0.00 | 32.77 -0.50 0.00 | 31.00 -0.49 0.00 | 28.97 -0.40 0.00 | 24.45 -0.19 0.00 | 23.54 -0.04 0.00 |

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| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.07 1.25 0.00 | 24.26 1.17 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.36 1.25 0.00 | 18.75 1.11 0.00 | 22.08 1.35 0.00 | 23.65 1.48 -0.01 | 164.81 1.32 -142.55 | 27.67 1.67 -0.80 | 30.63 1.99 -0.92 | 42.39 2.23 -11.03 | 66.02 2.23 -35.17 | 43.09 2.83 -4.24 | 37.66 2.82 -1.52 | 41.71 3.72 -0.51 | 40.70 3.61 0.00 | 36.40 3.12 0.00 | 34.06 2.57 0.00 | 31.30 1.93 0.00 | 26.12 1.48 0.00 | 24.82 1.23 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 34.84 2.26 0.00 | 29.18 1.86 0.00 | 24.62 1.54 -0.25 | 24.91 1.57 -0.25 | 28.96 1.86 -0.10 | 26.56 1.67 -0.12 | 22.49 1.38 0.00 | 18.69 1.05 0.00 | 21.84 1.10 0.00 | 23.25 1.07 0.00 | 21.93 0.97 0.00 | 26.30 1.11 0.00 | 28.92 1.20 0.00 | 30.43 1.31 0.00 | 30.12 1.49 0.00 | 38.22 2.19 0.00 | 35.26 1.94 0.00 | 40.92 3.44 0.00 | 39.90 2.82 0.00 | 36.26 2.99 0.00 | 34.30 2.81 0.00 | 31.79 2.42 0.00 | 26.61 1.86 -0.10 | 25.42 1.76 -0.08 |
| N SALMON___HYD 24042 | 33.44 0.86 0.00 | 28.03 0.70 0.00 | 23.34 0.50 0.00 | 23.58 0.49 0.00 | 27.68 0.69 0.00 | 25.45 0.66 0.00 | 21.65 0.55 0.00 | 18.09 0.44 0.00 | 21.23 0.49 0.00 | 22.74 0.57 0.00 | 21.49 0.53 0.00 | 25.82 0.63 0.00 | 28.40 0.68 0.00 | 29.82 0.70 0.00 | 29.40 0.77 0.00 | 37.19 1.17 0.00 | 34.37 1.04 0.00 | 38.32 0.84 0.00 | 37.55 0.48 0.00 | 33.70 0.43 0.00 | 32.15 0.66 0.00 | 30.35 0.98 0.00 | 25.50 0.85 0.00 | 24.32 0.74 0.00 |
| N.AKRON___115KV_KNAPP 355671 | 32.01 -0.57 0.00 | 26.86 -0.47 0.00 | 22.52 -0.31 0.00 | 22.84 -0.25 0.00 | 26.64 -0.35 0.00 | 24.48 -0.29 0.00 | 20.50 -0.60 0.00 | 17.08 -0.56 0.00 | 20.35 -0.39 0.00 | 22.06 -0.11 0.00 | 20.90 -0.05 0.00 | 24.98 -0.21 0.00 | 27.26 -0.46 0.00 | 28.50 -0.62 0.00 | 28.16 -0.46 0.00 | 35.44 -0.58 0.00 | 32.38 -0.94 0.00 | 36.30 -1.18 0.00 | 36.20 -0.88 0.00 | 32.47 -0.80 0.00 | 30.72 -0.76 0.00 | 28.81 -0.55 0.00 | 24.45 -0.20 0.00 | 23.59 0.01 0.00 |
| N.BELMOR_69_KV_BK1 55787 | 34.79 2.21 0.00 | 29.29 1.97 0.00 | 24.26 1.43 0.00 | 24.40 1.31 0.00 | 28.51 1.51 0.00 | 26.16 1.38 0.00 | 22.39 1.29 0.00 | 18.75 1.11 0.00 | 22.02 1.28 0.00 | 23.62 1.45 -0.01 | 164.73 1.21 -142.57 | 27.59 1.59 -0.80 | 30.87 2.23 -0.92 | 43.10 2.64 -11.34 | 66.17 2.37 -35.17 | 50.62 3.28 -11.31 | 41.74 3.33 -5.09 | 44.61 4.26 -2.87 | 46.25 4.07 -5.10 | 39.66 3.61 -2.78 | 44.05 3.15 -9.41 | 32.13 2.42 -0.34 | 26.38 1.73 0.00 | 25.12 1.54 0.00 |
| N.E_GEN_SANDY PD 24062 | 33.00 0.96 0.55 | 28.15 0.82 0.00 | 22.70 0.63 0.76 | 23.72 0.63 0.00 | 28.25 0.74 -0.52 | 25.43 0.66 0.00 | 21.77 0.67 0.00 | 18.25 0.59 -0.01 | 21.35 0.61 0.00 | 22.68 0.53 0.03 | -682.19 0.46 703.60 | 21.83 0.62 3.97 | 23.87 0.71 4.57 | -24.50 0.83 54.44 | -144.14 0.83 173.59 | 16.15 1.04 20.92 | 27.07 1.13 7.39 | 36.73 1.75 2.51 | 38.98 1.92 0.02 | 35.45 1.85 -0.33 | 33.16 1.58 -0.09 | 30.43 1.06 0.00 | 25.34 0.69 0.00 | 24.06 0.48 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 34.37 1.79 0.00 | 28.79 1.47 0.00 | 23.86 1.03 0.00 | 24.05 0.96 0.00 | 28.11 1.11 0.00 | 25.80 1.02 0.00 | 22.14 1.04 0.00 | 18.53 0.89 0.00 | 21.84 1.10 0.00 | 23.39 1.21 0.00 | 148.35 1.12 -126.28 | 27.35 1.45 -0.71 | 30.26 1.73 -0.82 | 40.84 1.94 -9.77 | 61.74 1.96 -31.16 | 42.27 2.49 -3.75 | 37.19 2.52 -1.34 | 41.29 3.37 -0.45 | 40.37 3.29 0.00 | 36.11 2.83 0.00 | 33.80 2.31 0.00 | 31.07 1.70 0.00 | 25.94 1.29 0.00 | 24.66 1.08 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 34.81 2.23 0.00 | 29.21 1.88 0.00 | 24.25 1.41 0.00 | 24.33 1.24 0.00 | 28.37 1.38 0.00 | 26.08 1.30 0.00 | 22.43 1.33 0.00 | 18.82 1.18 0.00 | 22.19 1.45 0.00 | 23.78 1.60 -0.01 | 164.83 1.34 -142.55 | 27.73 1.73 -0.81 | 30.70 2.05 -0.93 | 42.45 2.29 -11.04 | 66.10 2.30 -35.17 | 43.18 2.91 -4.24 | 37.69 2.85 -1.52 | 41.78 3.80 -0.51 | 40.79 3.70 0.00 | 36.47 3.20 0.00 | 34.14 2.65 0.00 | 31.42 2.05 0.00 | 26.25 1.61 0.00 | 24.90 1.32 0.00 |
| N.TROY___115KV_TB1 355778 | 33.34 0.76 0.00 | 27.99 0.66 0.00 | 23.46 0.64 0.00 | 23.77 0.68 0.00 | 27.78 0.78 0.00 | 25.46 0.68 0.00 | 21.72 0.62 0.00 | 18.15 0.51 0.00 | 21.23 0.49 0.00 | 22.54 0.37 0.00 | -113.87 0.34 135.16 | 24.82 0.40 0.76 | 27.26 0.42 0.88 | 19.13 0.47 10.46 | -4.26 0.47 33.35 | 32.57 0.57 4.02 | 32.62 0.74 1.44 | 38.25 1.25 0.48 | 38.57 1.49 0.00 | 34.74 1.47 0.00 | 32.86 1.37 0.00 | 30.32 0.95 0.00 | 25.27 0.62 0.00 | 24.03 0.45 0.00 |
| NARROWS_GT1_1 24228 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT1_2 24229 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT1_3 24230 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT1_4 24231 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT1_5 24232 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT1_6 24233 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |

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| NARROWS_GT1_7 24234 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT1_8 24235 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT2_1 24236 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT2_2 24237 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT2_3 24238 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT2_4 24239 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT2_5 24240 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT2_6 24241 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT2_7 24242 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NARROWS_GT2_8 24243 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 33.51 0.92 0.00 | 28.13 0.80 0.00 | 23.82 0.99 0.00 | 24.27 1.18 0.00 | 28.25 1.26 0.00 | 25.81 1.04 0.00 | 21.95 0.85 0.00 | 18.24 0.59 0.00 | 21.22 0.48 0.00 | 22.34 0.17 0.00 | -15.84 0.28 37.07 | 25.24 0.25 0.21 | 27.62 0.14 0.24 | 26.46 0.20 2.87 | 19.87 0.39 9.15 | 35.46 0.54 1.10 | 33.86 0.93 0.39 | 38.77 1.42 0.13 | 38.89 1.81 0.00 | 35.08 1.81 0.00 | 33.32 1.83 0.00 | 30.78 1.41 0.00 | 25.59 0.94 0.00 | 24.29 0.71 0.00 |
| NCHELSEA_115KV_TR2 355582 | 34.47 1.88 0.00 | 28.86 1.54 0.00 | 23.95 1.12 0.00 | 24.15 1.06 0.00 | 28.22 1.23 0.00 | 25.90 1.12 0.00 | 22.22 1.12 0.00 | 18.62 0.97 0.00 | 21.89 1.15 0.00 | 23.41 1.23 0.00 | 138.43 1.12 -116.36 | 27.29 1.44 -0.66 | 30.21 1.73 -0.75 | 40.08 1.95 -9.00 | 59.31 1.97 -28.71 | 42.04 2.56 -3.46 | 37.17 2.60 -1.24 | 41.36 3.46 -0.41 | 40.50 3.42 0.00 | 36.27 2.99 0.00 | 33.97 2.48 0.00 | 31.24 1.87 0.00 | 26.05 1.40 0.00 | 24.74 1.16 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 33.75 1.17 0.00 | 28.30 0.98 0.00 | 23.76 0.94 0.00 | 24.09 1.00 0.00 | 28.15 1.16 0.00 | 25.80 1.03 0.00 | 22.02 0.91 0.00 | 18.38 0.73 0.00 | 21.51 0.77 0.00 | 22.86 0.69 0.00 | -95.75 0.63 117.33 | 25.24 0.71 0.66 | 27.72 0.77 0.76 | 20.86 0.81 9.08 | 0.49 0.81 28.95 | 33.56 1.02 3.49 | 33.36 1.28 1.25 | 38.92 1.85 0.42 | 39.21 2.13 0.00 | 35.29 2.02 0.00 | 33.37 1.89 0.00 | 30.81 1.44 0.00 | 25.68 1.03 0.00 | 24.41 0.83 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 31.59 -0.99 0.00 | 26.49 -0.84 0.00 | 21.84 -0.65 0.33 | 22.12 -0.63 0.34 | 26.10 -0.76 0.13 | 23.93 -0.69 0.16 | 20.33 -0.77 0.00 | 16.99 -0.66 0.00 | 20.11 -0.63 0.00 | 21.66 -0.51 0.00 | 20.49 -0.46 0.00 | 24.61 -0.58 0.00 | 27.01 -0.71 0.00 | 28.30 -0.82 0.00 | 27.83 -0.79 0.00 | 35.02 -1.00 0.00 | 32.22 -1.11 0.00 | 36.30 -1.19 0.00 | 36.04 -1.04 0.00 | 32.30 -0.98 0.00 | 30.55 -0.94 0.00 | 28.50 -0.87 0.00 | 23.87 -0.64 0.14 | 22.98 -0.50 0.10 |
| NEG CENTRAL___DRP 24199 | 32.62 0.03 0.00 | 27.28 -0.04 0.00 | 22.82 0.00 0.00 | 23.09 0.00 0.00 | 27.01 0.02 0.00 | 24.75 -0.03 0.00 | 20.98 -0.12 0.00 | 17.51 -0.14 0.00 | 20.64 -0.09 0.00 | 22.10 -0.07 0.00 | 20.91 -0.04 0.00 | 25.11 -0.08 0.00 | 27.60 -0.12 0.00 | 28.99 -0.13 0.00 | 28.56 -0.07 0.00 | 36.02 0.00 0.00 | 33.34 0.01 0.00 | 37.56 0.08 0.00 | 37.27 0.19 0.00 | 33.42 0.15 0.00 | 31.58 0.09 0.00 | 29.40 0.03 0.00 | 24.70 0.05 0.00 | 23.70 0.11 0.00 |

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| NEG CENTRAL___INDECK 23768 | 33.30 0.71 0.00 | 27.83 0.50 0.00 | 23.27 0.44 0.00 | 23.58 0.49 0.00 | 27.54 0.54 0.00 | 25.22 0.44 0.00 | 21.19 0.09 0.00 | 17.53 -0.11 0.00 | 20.69 -0.05 0.00 | 22.38 0.21 0.00 | 21.21 0.25 0.00 | 25.38 0.18 0.00 | 27.85 0.13 0.00 | 29.13 0.01 0.00 | 28.82 0.19 0.00 | 36.34 0.32 0.00 | 33.75 0.42 0.00 | 37.95 0.47 0.00 | 37.39 0.31 0.00 | 33.77 0.50 0.00 | 32.15 0.66 0.00 | 30.05 0.68 0.00 | 25.30 0.66 0.00 | 24.28 0.69 0.00 |
| NEG CENTRAL___SENECA 23627 | 32.73 0.14 0.00 | 27.36 0.03 0.00 | 22.87 0.05 0.00 | 23.16 0.07 0.00 | 27.08 0.09 0.00 | 24.80 0.02 0.00 | 20.98 -0.12 0.00 | 17.51 -0.14 0.00 | 20.68 -0.06 0.00 | 22.17 0.00 0.00 | 20.96 0.01 0.00 | 25.17 -0.02 0.00 | 27.64 -0.08 0.00 | 28.99 -0.13 0.00 | 28.64 0.01 0.00 | 36.16 0.14 0.00 | 33.47 0.14 0.00 | 37.70 0.22 0.00 | 37.43 0.35 0.00 | 33.55 0.28 0.00 | 31.68 0.19 0.00 | 29.54 0.17 0.00 | 24.82 0.17 0.00 | 23.79 0.21 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 32.78 0.19 0.00 | 27.46 0.13 0.00 | 22.99 0.16 0.00 | 23.19 0.10 0.00 | 27.17 0.17 0.00 | 24.93 0.16 0.00 | 21.17 0.06 0.00 | 17.67 0.02 0.00 | 20.81 0.07 0.00 | 22.19 0.01 0.00 | 21.03 0.08 0.00 | 25.26 0.07 0.00 | 27.73 0.01 0.00 | 29.18 0.06 0.00 | 28.69 0.07 0.00 | 36.20 0.18 0.00 | 33.46 0.13 0.00 | 37.69 0.21 0.00 | 37.45 0.37 0.00 | 33.58 0.31 0.00 | 31.78 0.29 0.00 | 29.46 0.09 0.00 | 24.79 0.14 0.00 | 23.81 0.23 0.00 |
| NEG MILLWOOD___DRP 24198 | 34.59 2.00 0.00 | 28.96 1.64 0.00 | 24.03 1.20 0.00 | 24.23 1.14 0.00 | 28.30 1.31 0.00 | 25.97 1.19 0.00 | 22.30 1.19 0.00 | 18.70 1.05 0.00 | 22.00 1.26 0.00 | 23.54 1.37 0.00 | 150.13 1.25 -127.93 | 27.50 1.58 -0.72 | 30.45 1.91 -0.83 | 41.18 2.16 -9.90 | 62.36 2.17 -31.56 | 42.61 2.79 -3.80 | 37.49 2.81 -1.36 | 41.64 3.70 -0.45 | 40.73 3.65 0.00 | 36.44 3.17 0.00 | 34.13 2.64 0.00 | 31.38 2.01 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 34.08 1.50 0.00 | 28.60 1.28 0.00 | 23.78 0.96 0.00 | 23.99 0.90 0.00 | 28.23 1.23 0.00 | 25.89 1.12 0.00 | 22.06 0.96 0.00 | 18.44 0.80 0.00 | 21.57 0.83 0.00 | 23.04 0.87 0.00 | 21.76 0.81 0.00 | 26.21 1.02 0.00 | 28.87 1.15 0.00 | 30.34 1.21 0.00 | 29.99 1.36 0.00 | 37.90 1.88 0.00 | 35.06 1.73 0.00 | 39.25 1.77 0.00 | 38.60 1.52 0.00 | 34.59 1.31 0.00 | 32.72 1.23 0.00 | 30.78 1.41 0.00 | 25.83 1.18 0.00 | 24.66 1.08 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 33.33 0.74 0.00 | 27.96 0.63 0.00 | 23.27 0.44 0.00 | 23.50 0.41 0.00 | 27.61 0.62 0.00 | 25.36 0.58 0.00 | 21.57 0.47 0.00 | 18.03 0.38 0.00 | 21.14 0.40 0.00 | 22.62 0.45 0.00 | 21.37 0.42 0.00 | 25.69 0.50 0.00 | 28.26 0.54 0.00 | 29.69 0.57 0.00 | 29.28 0.66 0.00 | 37.01 0.99 0.00 | 34.16 0.84 0.00 | 38.11 0.63 0.00 | 37.46 0.38 0.00 | 33.60 0.33 0.00 | 31.94 0.46 0.00 | 30.15 0.78 0.00 | 25.34 0.70 0.00 | 24.19 0.61 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 34.08 1.50 0.00 | 28.59 1.26 0.00 | 23.77 0.95 0.00 | 23.98 0.89 0.00 | 28.21 1.22 0.00 | 25.89 1.11 0.00 | 22.06 0.95 0.00 | 18.44 0.79 0.00 | 21.59 0.85 0.00 | 23.07 0.89 0.00 | 21.77 0.82 0.00 | 26.20 1.01 0.00 | 28.86 1.15 0.00 | 30.31 1.19 0.00 | 29.98 1.36 0.00 | 37.87 1.84 0.00 | 35.02 1.70 0.00 | 39.27 1.79 0.00 | 38.64 1.56 0.00 | 34.64 1.37 0.00 | 32.79 1.31 0.00 | 30.87 1.50 0.00 | 25.89 1.24 0.00 | 24.70 1.12 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 34.08 1.50 0.00 | 28.59 1.26 0.00 | 23.77 0.95 0.00 | 23.98 0.89 0.00 | 28.21 1.22 0.00 | 25.89 1.11 0.00 | 22.06 0.95 0.00 | 18.44 0.79 0.00 | 21.59 0.85 0.00 | 23.07 0.89 0.00 | 21.77 0.82 0.00 | 26.20 1.01 0.00 | 28.86 1.15 0.00 | 30.31 1.19 0.00 | 29.98 1.36 0.00 | 37.87 1.84 0.00 | 35.02 1.70 0.00 | 39.27 1.79 0.00 | 38.64 1.56 0.00 | 34.64 1.37 0.00 | 32.79 1.31 0.00 | 30.87 1.50 0.00 | 25.89 1.24 0.00 | 24.70 1.12 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 34.08 1.50 0.00 | 28.59 1.27 0.00 | 23.78 0.95 0.00 | 23.98 0.89 0.00 | 28.21 1.22 0.00 | 25.89 1.11 0.00 | 22.06 0.95 0.00 | 18.44 0.79 0.00 | 21.59 0.85 0.00 | 23.07 0.89 0.00 | 21.77 0.81 0.00 | 26.20 1.01 0.00 | 28.86 1.15 0.00 | 30.31 1.19 0.00 | 29.98 1.36 0.00 | 37.86 1.84 0.00 | 35.02 1.69 0.00 | 39.27 1.79 0.00 | 38.64 1.56 0.00 | 34.64 1.37 0.00 | 32.79 1.31 0.00 | 30.87 1.50 0.00 | 25.89 1.24 0.00 | 24.70 1.12 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 31.55 -1.03 0.00 | 26.49 -0.84 0.00 | 22.23 -0.60 0.00 | 22.56 -0.53 0.00 | 26.32 -0.67 0.00 | 24.19 -0.59 0.00 | 20.23 -0.88 0.00 | 16.86 -0.79 0.00 | 20.11 -0.63 0.00 | 21.80 -0.37 0.00 | 20.64 -0.31 0.00 | 24.63 -0.56 0.00 | 26.83 -0.88 0.00 | 28.00 -1.13 0.00 | 27.69 -0.93 0.00 | 34.91 -1.12 0.00 | 31.85 -1.48 0.00 | 35.80 -1.68 0.00 | 35.63 -1.45 0.00 | 31.92 -1.35 0.00 | 30.18 -1.31 0.00 | 28.33 -1.04 0.00 | 24.08 -0.57 0.00 | 23.27 -0.32 0.00 |
| NEG WEST___LANCASTR 23811 | 32.53 -0.05 0.00 | 27.22 -0.10 0.00 | 22.86 0.04 0.00 | 23.22 0.13 0.00 | 27.11 0.12 0.00 | 24.84 0.06 0.00 | 20.78 -0.32 0.00 | 17.35 -0.29 0.00 | 20.72 -0.02 0.00 | 22.41 0.24 0.00 | 21.22 0.27 0.00 | 25.29 0.10 0.00 | 27.63 -0.09 0.00 | 28.78 -0.35 0.00 | 28.54 -0.09 0.00 | 36.01 -0.01 0.00 | 33.01 -0.32 0.00 | 37.18 -0.30 0.00 | 36.97 -0.11 0.00 | 33.04 -0.23 0.00 | 31.19 -0.30 0.00 | 29.15 -0.22 0.00 | 24.72 0.07 0.00 | 23.83 0.24 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 32.99 0.41 0.00 | 27.59 0.27 0.00 | 23.03 0.20 0.00 | 23.30 0.21 0.00 | 27.26 0.26 0.00 | 24.95 0.17 0.00 | 21.22 0.12 0.00 | 17.73 0.09 0.00 | 20.93 0.19 0.00 | 22.40 0.22 0.00 | 21.18 0.22 0.00 | 25.44 0.24 0.00 | 28.00 0.28 0.00 | 29.36 0.23 0.00 | 28.96 0.33 0.00 | 36.51 0.49 0.00 | 33.90 0.58 0.00 | 38.37 0.89 0.00 | 37.92 0.84 0.00 | 33.98 0.70 0.00 | 32.04 0.56 0.00 | 29.72 0.35 0.00 | 24.92 0.27 0.00 | 23.85 0.26 0.00 |
| NEG___GEN_MONROE 24207 | 32.34 -0.25 0.00 | 27.11 -0.22 0.00 | 22.71 -0.12 0.00 | 23.01 -0.08 0.00 | 26.84 -0.15 0.00 | 24.66 -0.11 0.00 | 20.76 -0.34 0.00 | 17.32 -0.33 0.00 | 20.53 -0.20 0.00 | 22.18 0.01 0.00 | 21.02 0.07 0.00 | 25.20 0.01 0.00 | 27.61 -0.10 0.00 | 28.89 -0.23 0.00 | 28.47 -0.16 0.00 | 35.79 -0.24 0.00 | 32.87 -0.46 0.00 | 36.95 -0.53 0.00 | 36.73 -0.35 0.00 | 32.94 -0.33 0.00 | 31.20 -0.29 0.00 | 29.16 -0.21 0.00 | 24.63 -0.02 0.00 | 23.71 0.12 0.00 |
| NEPA___ENERGY 23901 | 32.77 0.18 0.00 | 27.30 -0.03 0.00 | 22.79 -0.04 0.00 | 23.12 0.03 0.00 | 27.05 0.05 0.00 | 24.65 -0.13 0.00 | 20.68 -0.42 0.00 | 17.22 -0.42 0.00 | 20.64 -0.10 0.00 | 22.33 0.15 0.00 | 21.27 0.32 0.00 | 25.38 0.19 0.00 | 27.73 0.01 0.00 | 28.88 -0.25 0.00 | 28.70 0.08 0.00 | 36.14 0.12 0.00 | 33.30 -0.03 0.00 | 37.65 0.17 0.00 | 37.47 0.39 0.00 | 33.44 0.18 0.00 | 31.46 -0.03 0.00 | 29.29 -0.08 0.00 | 24.77 0.12 0.00 | 23.82 0.23 0.00 |
| NEVERSINK___HYD 23608 | 34.08 1.49 0.00 | 28.50 1.17 0.00 | 23.57 0.74 0.00 | 23.75 0.66 0.00 | 27.77 0.78 0.00 | 25.51 0.74 0.00 | 21.87 0.76 0.00 | 18.32 0.67 0.00 | 21.52 0.78 0.00 | 22.87 0.70 0.00 | 86.59 -0.08 -65.72 | 25.61 0.05 -0.37 | 28.27 0.12 -0.43 | 34.45 0.24 -5.08 | 45.15 0.31 -16.22 | 38.50 0.53 -1.95 | 34.79 0.77 -0.70 | 39.10 1.38 -0.23 | 38.63 1.55 0.00 | 34.59 1.32 0.00 | 32.46 0.97 0.00 | 30.04 0.67 0.00 | 25.86 1.21 0.00 | 24.56 0.98 0.00 |

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| NEWKRMKL_115KV_TB1 55635 | 32.81 0.23 0.00 | 27.58 0.25 0.00 | 23.36 0.54 0.00 | 23.80 0.71 0.00 | 27.70 0.70 0.00 | 25.31 0.53 0.00 | 21.58 0.47 0.00 | 17.99 0.34 0.00 | 21.02 0.27 0.00 | 22.22 0.05 0.00 | -76.24 0.09 97.29 | 24.69 0.05 0.55 | 27.13 0.04 0.63 | 21.72 0.13 7.53 | 4.82 0.20 24.00 | 33.38 0.25 2.89 | 32.70 0.41 1.04 | 37.95 0.82 0.35 | 38.05 0.97 0.00 | 34.21 0.94 0.00 | 32.36 0.88 0.00 | 29.87 0.51 0.00 | 24.90 0.26 0.00 | 23.70 0.11 0.00 |
| NEWTON___FALLS_HYD 23847 | 33.34 0.75 0.00 | 27.89 0.57 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.59 0.59 0.00 | 25.33 0.55 0.00 | 21.51 0.41 0.00 | 17.90 0.25 0.00 | 21.01 0.27 0.00 | 22.46 0.29 0.00 | 21.29 0.33 0.00 | 25.46 0.27 0.00 | 28.01 0.29 0.00 | 29.42 0.30 0.00 | 29.10 0.48 0.00 | 36.96 0.94 0.00 | 34.12 0.80 0.00 | 38.17 0.69 0.00 | 37.39 0.30 0.00 | 33.61 0.34 0.00 | 32.25 0.76 0.00 | 30.25 0.88 0.00 | 25.43 0.78 0.00 | 24.25 0.67 0.00 |
| NGRID_A1_DSASP 323792 | 31.05 -1.54 0.00 | 26.10 -1.22 0.00 | 20.94 -0.89 1.00 | 21.25 -0.82 1.02 | 25.59 -1.01 0.40 | 23.39 -0.92 0.47 | 19.93 -1.16 0.02 | 16.64 -1.00 0.00 | 19.87 -0.87 0.00 | 21.52 -0.65 0.00 | 20.34 -0.62 0.00 | 24.27 -0.92 0.00 | 26.43 -1.28 0.00 | 27.60 -1.52 0.00 | 27.29 -1.34 0.00 | 34.38 -1.64 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.34 -0.90 0.40 | 22.75 -0.53 0.31 |
| NGRID_A2_DSASP 323793 | 31.05 -1.54 0.00 | 26.10 -1.22 0.00 | 20.94 -0.89 1.00 | 21.25 -0.82 1.02 | 25.59 -1.01 0.40 | 23.39 -0.92 0.47 | 19.93 -1.16 0.02 | 16.64 -1.00 0.00 | 19.87 -0.87 0.00 | 21.52 -0.65 0.00 | 20.34 -0.62 0.00 | 24.27 -0.92 0.00 | 26.43 -1.28 0.00 | 27.60 -1.52 0.00 | 27.29 -1.34 0.00 | 34.38 -1.64 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.34 -0.90 0.40 | 22.75 -0.53 0.31 |
| NGRID_A4_DSASP 323807 | 31.05 -1.54 0.00 | 26.10 -1.22 0.00 | 20.94 -0.89 1.00 | 21.25 -0.82 1.02 | 25.59 -1.01 0.40 | 23.39 -0.92 0.47 | 19.93 -1.16 0.02 | 16.64 -1.00 0.00 | 19.87 -0.87 0.00 | 21.52 -0.65 0.00 | 20.34 -0.62 0.00 | 24.27 -0.92 0.00 | 26.43 -1.28 0.00 | 27.60 -1.52 0.00 | 27.29 -1.34 0.00 | 34.38 -1.64 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.34 -0.90 0.40 | 22.75 -0.53 0.31 |
| NIAGARA_115E_LBMP 323715 | 31.01 -1.57 0.00 | 26.07 -1.26 0.00 | 20.89 -0.96 0.98 | 21.18 -0.91 1.00 | 25.56 -1.05 0.39 | 23.34 -0.97 0.46 | 19.91 -1.18 0.01 | 16.60 -1.05 0.00 | 19.81 -0.93 0.00 | 21.46 -0.72 0.00 | 20.29 -0.67 0.00 | 24.21 -0.99 0.00 | 26.38 -1.34 0.00 | 27.53 -1.59 0.00 | 27.23 -1.40 0.00 | 34.29 -1.73 0.00 | 31.27 -2.06 0.00 | 35.11 -2.37 0.00 | 34.92 -2.16 0.00 | 31.31 -1.96 0.00 | 29.59 -1.90 0.00 | 27.81 -1.56 0.00 | 23.26 -0.99 0.39 | 22.59 -0.70 0.30 |
| NIAGARA_115W_LBMP 323714 | 30.99 -1.60 0.00 | 26.05 -1.27 0.00 | 20.90 -0.93 1.00 | 21.20 -0.87 1.02 | 25.53 -1.06 0.40 | 23.34 -0.97 0.47 | 19.89 -1.20 0.02 | 16.61 -1.03 0.00 | 19.83 -0.91 0.00 | 21.48 -0.70 0.00 | 20.29 -0.66 0.00 | 24.22 -0.97 0.00 | 26.38 -1.34 0.00 | 27.54 -1.58 0.00 | 27.23 -1.40 0.00 | 34.30 -1.72 0.00 | 31.27 -2.06 0.00 | 35.13 -2.35 0.00 | 34.93 -2.15 0.00 | 31.30 -1.98 0.00 | 29.59 -1.90 0.00 | 27.79 -1.58 0.00 | 23.30 -0.94 0.40 | 22.71 -0.56 0.31 |
| NIAGARA_230_LBMP 323716 | 31.25 -1.33 0.00 | 26.26 -1.07 0.00 | 21.06 -0.77 1.00 | 21.36 -0.70 1.03 | 25.73 -0.86 0.40 | 23.52 -0.79 0.47 | 20.05 -1.04 0.02 | 16.75 -0.89 0.00 | 19.99 -0.75 0.00 | 21.65 -0.52 0.00 | 20.46 -0.49 0.00 | 24.41 -0.78 0.00 | 26.60 -1.12 0.00 | 27.78 -1.34 0.00 | 27.46 -1.16 0.00 | 34.62 -1.40 0.00 | 31.58 -1.74 0.00 | 35.53 -1.95 0.00 | 35.30 -1.78 0.00 | 31.60 -1.67 0.00 | 29.86 -1.63 0.00 | 28.03 -1.34 0.00 | 23.44 -0.80 0.41 | 22.76 -0.52 0.31 |
| NIAGARA___115KV_198_GIBSON 55903 | 30.97 -1.61 0.00 | 26.04 -1.29 0.00 | 21.89 -0.94 0.00 | 22.23 -0.86 0.00 | 25.89 -1.10 0.00 | 23.81 -0.97 0.00 | 19.90 -1.20 0.00 | 16.61 -1.03 0.00 | 19.82 -0.92 0.00 | 21.48 -0.69 0.00 | 20.30 -0.65 0.00 | 24.21 -0.98 0.00 | 26.37 -1.35 0.00 | 27.52 -1.60 0.00 | 27.20 -1.43 0.00 | 34.30 -1.72 0.00 | 31.26 -2.06 0.00 | 35.13 -2.35 0.00 | 34.94 -2.14 0.00 | 31.30 -1.97 0.00 | 29.59 -1.90 0.00 | 27.79 -1.58 0.00 | 23.70 -0.94 0.00 | 23.02 -0.56 0.00 |
| NIAGARA___ 23760 | 31.25 -1.33 0.00 | 26.26 -1.07 0.00 | 21.08 -0.77 0.98 | 21.38 -0.70 1.01 | 25.74 -0.86 0.40 | 23.53 -0.79 0.46 | 20.05 -1.04 0.02 | 16.75 -0.89 0.00 | 19.99 -0.75 0.00 | 21.65 -0.52 0.00 | 20.46 -0.49 0.00 | 24.41 -0.78 0.00 | 26.60 -1.12 0.00 | 27.78 -1.34 0.00 | 27.46 -1.16 0.00 | 34.62 -1.40 0.00 | 31.58 -1.74 0.00 | 35.53 -1.95 0.00 | 35.30 -1.78 0.00 | 31.60 -1.67 0.00 | 29.86 -1.63 0.00 | 28.03 -1.34 0.00 | 23.45 -0.80 0.40 | 22.76 -0.52 0.30 |
| NINE_MILE_1 23575 | 31.71 -0.87 0.00 | 26.60 -0.73 0.00 | 22.28 -0.54 0.00 | 22.55 -0.54 0.00 | 26.35 -0.64 0.00 | 24.18 -0.60 0.00 | 20.55 -0.55 0.00 | 17.17 -0.48 0.00 | 20.21 -0.53 0.00 | 21.63 -0.55 0.00 | 20.44 -0.51 0.00 | 24.57 -0.63 0.00 | 27.02 -0.70 0.00 | 28.33 -0.79 0.00 | 27.76 -0.87 0.00 | 34.85 -1.17 0.00 | 32.27 -1.05 0.00 | 36.36 -1.12 0.00 | 36.03 -1.05 0.00 | 32.33 -0.94 0.00 | 30.58 -0.92 0.00 | 28.46 -0.91 0.00 | 23.89 -0.75 0.00 | 23.01 -0.58 0.00 |
| NINE_MILE_2 23744 | 31.71 -0.87 0.00 | 26.60 -0.73 0.00 | 22.29 -0.54 0.00 | 22.55 -0.54 0.00 | 26.36 -0.64 0.00 | 24.18 -0.60 0.00 | 20.56 -0.55 0.00 | 17.17 -0.47 0.00 | 20.21 -0.53 0.00 | 21.63 -0.55 0.00 | 20.44 -0.51 0.00 | 24.57 -0.63 0.00 | 27.03 -0.69 0.00 | 28.33 -0.79 0.00 | 27.76 -0.87 0.00 | 34.85 -1.17 0.00 | 32.27 -1.05 0.00 | 36.36 -1.12 0.00 | 36.03 -1.05 0.00 | 32.33 -0.94 0.00 | 30.58 -0.92 0.00 | 28.47 -0.90 0.00 | 23.90 -0.75 0.00 | 23.01 -0.58 0.00 |
| NM_CAPITAL___DRP 24208 | 32.88 0.29 0.00 | 27.63 0.31 0.00 | 23.35 0.52 0.00 | 23.75 0.66 0.00 | 27.67 0.67 0.00 | 25.30 0.52 0.00 | 21.57 0.47 0.00 | 18.00 0.35 0.00 | 21.03 0.29 0.00 | 22.26 0.09 0.00 | -86.20 0.11 107.26 | 24.68 0.09 0.60 | 27.10 0.07 0.70 | 20.98 0.16 8.30 | 2.39 0.22 26.46 | 33.10 0.27 3.19 | 32.60 0.42 1.14 | 37.93 0.83 0.38 | 38.09 1.00 0.00 | 34.26 0.99 0.00 | 32.42 0.93 0.00 | 29.92 0.55 0.00 | 24.94 0.30 0.00 | 23.72 0.14 0.00 |
| NM_CENTRAL___DRP 24181 | 32.34 -0.25 0.00 | 27.09 -0.23 0.00 | 22.68 -0.15 0.00 | 22.96 -0.13 0.00 | 26.81 -0.18 0.00 | 24.60 -0.18 0.00 | 20.91 -0.20 0.00 | 17.46 -0.19 0.00 | 20.55 -0.18 0.00 | 22.01 -0.16 0.00 | 20.82 -0.14 0.00 | 25.01 -0.18 0.00 | 27.54 -0.18 0.00 | 28.87 -0.25 0.00 | 28.36 -0.26 0.00 | 35.68 -0.35 0.00 | 33.03 -0.29 0.00 | 37.27 -0.21 0.00 | 36.93 -0.15 0.00 | 33.12 -0.15 0.00 | 31.30 -0.19 0.00 | 29.10 -0.27 0.00 | 24.43 -0.22 0.00 | 23.46 -0.12 0.00 |
| NM_FRONTIER___DRP 24179 | 30.97 -1.61 0.00 | 26.04 -1.29 0.00 | 21.89 -0.94 0.00 | 22.23 -0.86 0.00 | 25.89 -1.10 0.00 | 23.81 -0.97 0.00 | 19.90 -1.20 0.00 | 16.61 -1.03 0.00 | 19.82 -0.92 0.00 | 21.48 -0.69 0.00 | 20.30 -0.65 0.00 | 24.21 -0.98 0.00 | 26.37 -1.35 0.00 | 27.52 -1.60 0.00 | 27.20 -1.43 0.00 | 34.30 -1.72 0.00 | 31.26 -2.06 0.00 | 35.13 -2.35 0.00 | 34.94 -2.14 0.00 | 31.30 -1.97 0.00 | 29.59 -1.90 0.00 | 27.79 -1.58 0.00 | 23.70 -0.94 0.00 | 23.02 -0.56 0.00 |

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| NM_ST_REGIS___HYD 24053 | 33.14 0.55 0.00 | 27.76 0.43 0.00 | 23.12 0.29 0.00 | 23.37 0.28 0.00 | 27.43 0.43 0.00 | 25.21 0.44 0.00 | 21.43 0.33 0.00 | 17.89 0.24 0.00 | 21.02 0.28 0.00 | 22.52 0.35 0.00 | 21.30 0.35 0.00 | 25.59 0.40 0.00 | 28.11 0.39 0.00 | 29.53 0.40 0.00 | 29.11 0.48 0.00 | 36.83 0.81 0.00 | 34.00 0.67 0.00 | 37.77 0.29 0.00 | 36.74 -0.34 0.00 | 32.97 -0.30 0.00 | 31.77 0.28 0.00 | 30.02 0.65 0.00 | 25.26 0.61 0.00 | 24.11 0.52 0.00 |
| NORTHPORT___1 23551 | 34.57 1.99 0.00 | 29.29 1.97 0.00 | 24.27 1.44 0.00 | 24.37 1.29 0.00 | 28.48 1.48 0.00 | 26.14 1.36 0.00 | 22.31 1.21 0.00 | 18.64 1.00 0.00 | 21.80 1.06 0.00 | 23.37 1.19 -0.01 | 164.59 1.07 -142.57 | 27.25 1.26 -0.80 | 30.63 1.98 -0.92 | 43.01 2.54 -11.34 | 66.11 2.32 -35.17 | 42.18 2.85 -3.30 | 38.30 2.96 -2.02 | 42.74 3.87 -1.39 | 42.59 3.74 -1.77 | 37.49 3.36 -0.85 | 36.50 2.89 -2.12 | 32.00 2.30 -0.33 | 26.25 1.61 0.00 | 25.06 1.48 0.00 |
| NORTHPORT___2 23552 | 34.57 1.99 0.00 | 29.29 1.97 0.00 | 24.27 1.44 0.00 | 24.37 1.29 0.00 | 28.48 1.48 0.00 | 26.14 1.36 0.00 | 22.31 1.21 0.00 | 18.64 1.00 0.00 | 21.80 1.06 0.00 | 23.37 1.19 -0.01 | 164.59 1.07 -142.57 | 27.25 1.26 -0.80 | 30.63 1.98 -0.92 | 43.01 2.54 -11.34 | 66.11 2.32 -35.17 | 42.18 2.85 -3.30 | 38.30 2.96 -2.02 | 42.74 3.87 -1.39 | 42.59 3.74 -1.77 | 37.49 3.36 -0.85 | 36.50 2.89 -2.12 | 32.00 2.30 -0.33 | 26.25 1.61 0.00 | 25.06 1.48 0.00 |
| NORTHPORT___3 23553 | 34.42 1.84 0.00 | 29.14 1.82 0.00 | 24.16 1.33 0.00 | 24.27 1.18 0.00 | 28.35 1.36 0.00 | 26.02 1.24 0.00 | 22.19 1.09 0.00 | 18.55 0.91 0.00 | 21.69 0.95 0.00 | 23.25 1.07 -0.01 | 164.48 0.96 -142.57 | 27.14 1.15 -0.80 | 30.54 1.90 -0.92 | 42.91 2.45 -11.34 | 66.02 2.23 -35.17 | 42.00 2.72 -3.25 | 38.17 2.84 -2.00 | 41.41 3.80 -0.13 | 40.99 3.58 -0.34 | 36.90 3.21 -0.42 | 36.28 2.72 -2.07 | 31.83 2.12 -0.33 | 26.13 1.49 0.00 | 24.96 1.37 0.00 |
| NORTHPORT___4 23650 | 34.42 1.84 0.00 | 29.14 1.82 0.00 | 24.16 1.33 0.00 | 24.27 1.18 0.00 | 28.35 1.36 0.00 | 26.02 1.24 0.00 | 22.19 1.09 0.00 | 18.55 0.91 0.00 | 21.69 0.95 0.00 | 23.25 1.07 -0.01 | 164.48 0.96 -142.57 | 27.14 1.15 -0.80 | 30.54 1.90 -0.92 | 42.91 2.45 -11.34 | 66.02 2.23 -35.17 | 42.00 2.72 -3.25 | 38.17 2.84 -2.00 | 41.41 3.80 -0.13 | 40.99 3.58 -0.34 | 36.90 3.21 -0.42 | 36.28 2.72 -2.07 | 31.83 2.12 -0.33 | 26.13 1.49 0.00 | 24.96 1.37 0.00 |
| NORTHPORT___IC 23718 | 34.58 1.99 0.00 | 29.29 1.97 0.00 | 24.27 1.44 0.00 | 24.38 1.29 0.00 | 28.48 1.49 0.00 | 26.14 1.36 0.00 | 22.31 1.21 0.00 | 18.64 1.00 0.00 | 21.80 1.06 0.00 | 23.37 1.19 -0.01 | 164.56 1.04 -142.57 | 27.25 1.26 -0.80 | 30.63 1.99 -0.92 | 43.00 2.53 -11.34 | 66.12 2.32 -35.17 | 42.26 2.93 -3.30 | 38.31 2.96 -2.02 | 42.74 3.86 -1.39 | 42.62 3.77 -1.77 | 37.49 3.36 -0.86 | 36.57 2.97 -2.11 | 32.00 2.30 -0.34 | 26.25 1.61 0.00 | 25.06 1.48 0.00 |
| NORTH___COUNTRY_ESR 323785 | 33.21 0.63 0.00 | 27.87 0.54 0.00 | 23.20 0.37 0.00 | 23.43 0.34 0.00 | 27.52 0.52 0.00 | 25.28 0.50 0.00 | 21.51 0.40 0.00 | 17.99 0.35 0.00 | 21.10 0.36 0.00 | 22.59 0.42 0.00 | 21.34 0.39 0.00 | 25.68 0.49 0.00 | 28.23 0.51 0.00 | 29.66 0.54 0.00 | 29.25 0.62 0.00 | 36.94 0.92 0.00 | 34.08 0.76 0.00 | 38.00 0.52 0.00 | 37.33 0.25 0.00 | 33.48 0.21 0.00 | 31.82 0.33 0.00 | 30.03 0.66 0.00 | 25.25 0.60 0.00 | 24.11 0.53 0.00 |
| NPX_GEN_1385_PROXY 323591 | 34.53 1.94 0.00 | 29.38 2.05 0.00 | 23.95 1.50 0.38 | 24.34 1.25 0.00 | 28.44 1.45 0.00 | 26.14 1.36 0.00 | 22.31 1.21 0.00 | 18.59 0.95 0.00 | 21.70 0.96 0.00 | 23.28 1.10 -0.01 | 164.53 1.01 -142.57 | 27.01 1.01 -0.80 | 30.01 1.37 -0.92 | 24.67 1.91 6.36 | 45.69 1.74 -15.33 | 41.48 2.15 -3.30 | 17.78 2.22 17.76 | 23.65 3.06 16.89 | 42.37 3.52 -1.77 | 37.43 3.30 -0.85 | 36.45 2.84 -2.12 | 31.94 2.24 -0.33 | 26.09 1.44 0.00 | 24.90 1.32 0.00 |
| NPX_GEN_CSC 323557 | 34.41 1.83 0.00 | 29.15 1.83 0.00 | 23.77 1.32 0.38 | 24.22 1.14 0.00 | 28.42 1.43 0.00 | 26.11 1.33 0.00 | 22.35 1.25 0.00 | 18.80 1.15 0.00 | 21.94 1.20 0.00 | 23.53 1.35 -0.01 | 164.68 1.16 -142.57 | 27.36 1.37 -0.80 | 30.82 2.17 -0.92 | 43.17 2.71 -11.34 | 66.22 2.42 -35.17 | 42.59 3.02 -3.55 | 38.76 3.32 -2.12 | 53.98 4.53 -11.97 | 55.18 4.33 -13.76 | 41.67 3.90 -4.50 | 37.21 3.38 -2.35 | 32.41 2.70 -0.34 | 26.53 1.88 0.00 | 25.21 1.62 0.00 |
| NSINS_S_GLNS_FALLS 23858 | 33.82 1.23 0.00 | 28.37 1.04 0.00 | 24.12 1.29 0.00 | 24.49 1.40 0.00 | 28.62 1.63 0.00 | 26.23 1.45 0.00 | 22.40 1.30 0.00 | 18.66 1.02 0.00 | 21.84 1.11 0.00 | 23.23 1.06 0.00 | -82.54 0.88 104.38 | 25.57 0.97 0.59 | 28.03 0.99 0.68 | 21.98 0.94 8.08 | 3.66 0.79 25.75 | 33.70 0.77 3.10 | 33.46 1.24 1.11 | 38.91 1.80 0.37 | 39.42 2.34 0.00 | 35.46 2.19 0.00 | 33.59 2.10 0.00 | 31.02 1.65 0.00 | 25.85 1.20 0.00 | 24.56 0.97 0.00 |
| NUCOR_STEEL___DRP 24197 | 32.75 0.16 0.00 | 27.43 0.11 0.00 | 22.98 0.15 0.00 | 23.17 0.08 0.00 | 27.15 0.15 0.00 | 24.93 0.15 0.00 | 21.16 0.06 0.00 | 17.66 0.02 0.00 | 20.80 0.06 0.00 | 22.18 0.01 0.00 | 21.02 0.07 0.00 | 25.26 0.07 0.00 | 27.71 -0.01 0.00 | 29.17 0.05 0.00 | 28.68 0.06 0.00 | 36.17 0.15 0.00 | 33.42 0.10 0.00 | 37.64 0.16 0.00 | 37.41 0.33 0.00 | 33.55 0.27 0.00 | 31.75 0.26 0.00 | 29.41 0.04 0.00 | 24.77 0.12 0.00 | 23.80 0.21 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 33.67 1.08 0.00 | 28.16 0.84 0.00 | 23.52 0.69 0.00 | 23.79 0.70 0.00 | 27.86 0.86 0.00 | 25.55 0.77 0.00 | 21.69 0.59 0.00 | 18.00 0.36 0.00 | 21.13 0.39 0.00 | 22.54 0.36 0.00 | 21.38 0.43 0.00 | 25.56 0.36 0.00 | 28.12 0.40 0.00 | 29.54 0.42 0.00 | 29.29 0.66 0.00 | 37.25 1.22 0.00 | 34.40 1.08 0.00 | 38.84 1.36 0.00 | 38.33 1.25 0.00 | 34.50 1.23 0.00 | 32.85 1.36 0.00 | 30.55 1.19 0.00 | 25.65 1.00 0.00 | 24.47 0.89 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 32.58 0.00 0.00 | 27.32 0.00 0.00 | 22.83 0.00 0.00 | 23.09 0.00 0.00 | 26.99 0.00 0.00 | 24.78 0.00 0.00 | 21.10 0.00 0.00 | 17.64 0.00 0.00 | 20.74 0.00 0.00 | 22.17 0.00 0.00 | 20.95 0.00 0.00 | 25.19 0.00 0.00 | 27.72 0.00 0.00 | 29.12 0.00 0.00 | 28.63 0.00 0.00 | 36.02 0.00 0.00 | 33.33 0.00 0.00 | 37.48 0.00 0.00 | 37.08 0.00 0.00 | 33.27 0.00 0.00 | 31.49 0.00 0.00 | 29.37 0.00 0.00 | 24.65 0.00 0.00 | 23.58 0.00 0.00 |
| NYPA_BRENTWD____GT 24164 | 34.95 2.36 0.00 | 29.56 2.23 0.00 | 24.47 1.64 0.00 | 24.58 1.49 0.00 | 28.72 1.73 0.00 | 26.36 1.59 0.00 | 22.52 1.42 0.00 | 18.83 1.19 0.00 | 22.05 1.31 0.00 | 23.64 1.46 -0.01 | 164.82 1.30 -142.57 | 27.55 1.55 -0.80 | 30.95 2.31 -0.92 | 43.32 2.85 -11.34 | 66.44 2.64 -35.17 | 43.22 3.34 -3.86 | 39.05 3.50 -2.23 | 45.51 4.55 -3.48 | 45.52 4.19 -4.25 | 38.82 3.88 -1.67 | 37.55 3.44 -2.62 | 32.49 2.79 -0.34 | 26.64 1.99 0.00 | 25.38 1.79 0.00 |
| NYPA_GOWANUS____GT5 24156 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |

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| NYPA_GOWANUS____GT6 24157 | 34.83 2.25 0.00 | 29.19 1.86 0.00 | 24.21 1.38 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.20 1.47 0.00 | 23.76 1.58 -0.01 | 164.89 1.39 -142.55 | 27.78 1.79 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.23 2.74 0.00 | 31.48 2.11 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |
| NYPA_HARLEM_RVR_GT1 24160 | 34.71 2.13 0.00 | 29.13 1.81 0.00 | 24.18 1.35 0.00 | 24.28 1.19 0.00 | 28.32 1.33 0.00 | 26.02 1.25 0.00 | 22.38 1.28 0.00 | 18.78 1.14 0.00 | 22.11 1.38 0.01 | 23.70 1.53 0.00 | 164.81 1.31 -142.54 | 27.68 1.69 -0.81 | 30.64 2.00 -0.93 | 42.40 2.24 -11.03 | 66.04 2.24 -35.17 | 43.10 2.84 -4.24 | 37.62 2.78 -1.51 | 41.70 3.71 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.37 2.00 0.00 | 26.20 1.56 0.00 | 24.86 1.28 0.00 |
| NYPA_HARLEM_RVR_GT2 24161 | 34.71 2.13 0.00 | 29.13 1.81 0.00 | 24.18 1.35 0.00 | 24.28 1.19 0.00 | 28.32 1.33 0.00 | 26.02 1.25 0.00 | 22.38 1.28 0.00 | 18.78 1.14 0.00 | 22.11 1.38 0.01 | 23.70 1.53 0.00 | 164.81 1.31 -142.54 | 27.68 1.69 -0.81 | 30.64 2.00 -0.93 | 42.40 2.24 -11.03 | 66.04 2.24 -35.17 | 43.10 2.84 -4.24 | 37.62 2.78 -1.51 | 41.70 3.71 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.37 2.00 0.00 | 26.20 1.56 0.00 | 24.86 1.28 0.00 |
| NYPA_KENT____GT 24152 | 34.82 2.23 0.00 | 29.18 1.85 0.00 | 24.20 1.37 0.00 | 24.37 1.28 0.00 | 28.44 1.45 0.00 | 26.11 1.33 0.00 | 22.46 1.36 0.00 | 18.84 1.20 0.00 | 22.20 1.46 0.00 | 23.77 1.59 -0.01 | 164.91 1.41 -142.55 | 27.79 1.80 -0.81 | 30.79 2.14 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.31 3.05 -4.24 | 37.84 3.00 -1.52 | 41.92 3.93 -0.51 | 40.91 3.82 0.00 | 36.57 3.30 0.00 | 34.20 2.72 0.00 | 31.44 2.07 0.00 | 26.25 1.60 0.00 | 24.92 1.34 0.00 |
| NYPA_POUCH1____GT 24155 | 34.76 2.18 0.00 | 29.13 1.80 0.00 | 24.17 1.33 0.00 | 24.32 1.23 0.00 | 28.39 1.40 0.00 | 26.07 1.29 0.00 | 22.43 1.33 0.00 | 18.80 1.16 0.00 | 22.14 1.41 0.00 | 23.67 1.50 -0.01 | 164.81 1.31 -142.55 | 27.69 1.70 -0.81 | 30.70 2.05 -0.93 | 42.48 2.32 -11.04 | 66.11 2.32 -35.17 | 43.23 2.97 -4.24 | 37.77 2.93 -1.52 | 41.84 3.86 -0.51 | 40.84 3.77 0.00 | 36.51 3.24 0.00 | 34.17 2.68 0.00 | 31.44 2.07 0.00 | 26.24 1.59 0.00 | 24.91 1.33 0.00 |
| NYPA_VERNON____GT2 24162 | 34.80 2.21 0.00 | 29.16 1.83 0.00 | 24.20 1.37 0.00 | 24.36 1.27 0.00 | 28.43 1.44 0.00 | 26.10 1.33 0.00 | 22.45 1.35 0.00 | 18.84 1.20 0.00 | 22.20 1.46 0.00 | 23.78 1.60 -0.01 | 164.93 1.44 -142.55 | 27.81 1.82 -0.81 | 30.79 2.14 -0.93 | 42.58 2.42 -11.04 | 66.20 2.40 -35.17 | 43.30 3.04 -4.24 | 37.82 2.98 -1.52 | 41.90 3.91 -0.51 | 40.90 3.81 0.00 | 36.56 3.29 0.00 | 34.18 2.69 0.00 | 31.40 2.03 0.00 | 26.21 1.56 0.00 | 24.88 1.30 0.00 |
| NYPA_VERNON____GT3 24163 | 34.80 2.21 0.00 | 29.16 1.83 0.00 | 24.20 1.37 0.00 | 24.36 1.27 0.00 | 28.43 1.44 0.00 | 26.10 1.33 0.00 | 22.45 1.35 0.00 | 18.84 1.20 0.00 | 22.20 1.46 0.00 | 23.78 1.60 -0.01 | 164.93 1.44 -142.55 | 27.81 1.82 -0.81 | 30.79 2.14 -0.93 | 42.58 2.42 -11.04 | 66.20 2.40 -35.17 | 43.30 3.04 -4.24 | 37.82 2.98 -1.52 | 41.90 3.91 -0.51 | 40.90 3.81 0.00 | 36.56 3.29 0.00 | 34.18 2.69 0.00 | 31.40 2.03 0.00 | 26.21 1.56 0.00 | 24.88 1.30 0.00 |
| NYPA__ASTORIA_CC1 323568 | 34.78 2.19 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.41 0.00 | 26.09 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.91 1.42 -142.55 | 27.79 1.80 -0.81 | 30.77 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.27 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.12 2.63 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.26 0.00 |
| NYPA__ASTORIA_CC2 323569 | 34.78 2.19 0.00 | 29.15 1.83 0.00 | 24.19 1.36 0.00 | 24.35 1.25 0.00 | 28.41 1.41 0.00 | 26.09 1.31 0.00 | 22.43 1.33 0.00 | 18.83 1.18 0.00 | 22.18 1.44 0.00 | 23.75 1.58 -0.01 | 164.91 1.42 -142.55 | 27.79 1.80 -0.81 | 30.77 2.13 -0.93 | 42.55 2.39 -11.04 | 66.18 2.38 -35.17 | 43.27 3.00 -4.24 | 37.80 2.96 -1.52 | 41.86 3.87 -0.51 | 40.86 3.78 0.00 | 36.52 3.25 0.00 | 34.12 2.63 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.26 0.00 |
| NYPA__HOLTSVILL 23794 | 34.66 2.07 0.00 | 29.38 2.05 0.00 | 24.34 1.51 0.00 | 24.44 1.35 0.00 | 28.58 1.59 0.00 | 26.24 1.46 0.00 | 22.43 1.33 0.00 | 18.80 1.15 0.00 | 21.99 1.25 0.00 | 23.57 1.39 -0.01 | 164.76 1.24 -142.57 | 27.47 1.47 -0.80 | 30.88 2.23 -0.92 | 43.23 2.77 -11.34 | 66.33 2.53 -35.17 | 42.76 3.21 -3.53 | 38.85 3.41 -2.11 | 53.80 4.55 -11.77 | 54.96 4.35 -13.53 | 41.62 3.92 -4.43 | 37.22 3.40 -2.33 | 32.44 2.74 -0.34 | 26.60 1.94 0.00 | 25.32 1.74 0.00 |
| NYPA____HELLGATE_GT1 24158 | 34.71 2.13 0.00 | 29.13 1.81 0.00 | 24.18 1.35 0.00 | 24.28 1.19 0.00 | 28.32 1.33 0.00 | 26.02 1.25 0.00 | 22.38 1.28 0.00 | 18.78 1.14 0.00 | 22.11 1.38 0.01 | 23.70 1.53 0.00 | 164.81 1.31 -142.54 | 27.68 1.69 -0.81 | 30.64 2.00 -0.93 | 42.40 2.24 -11.03 | 66.04 2.24 -35.17 | 43.10 2.84 -4.24 | 37.62 2.78 -1.51 | 41.70 3.71 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.37 2.00 0.00 | 26.20 1.56 0.00 | 24.86 1.28 0.00 |
| NYPA____HELLGATE_GT2 24159 | 34.71 2.13 0.00 | 29.13 1.81 0.00 | 24.18 1.35 0.00 | 24.28 1.19 0.00 | 28.32 1.33 0.00 | 26.02 1.25 0.00 | 22.38 1.28 0.00 | 18.78 1.14 0.00 | 22.11 1.38 0.01 | 23.70 1.53 0.00 | 164.81 1.31 -142.54 | 27.68 1.69 -0.81 | 30.64 2.00 -0.93 | 42.40 2.24 -11.03 | 66.04 2.24 -35.17 | 43.10 2.84 -4.24 | 37.62 2.78 -1.51 | 41.70 3.71 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.37 2.00 0.00 | 26.20 1.56 0.00 | 24.86 1.28 0.00 |
| NYS_BARGE__HYD 23848 | 31.56 -1.02 0.00 | 26.51 -0.82 0.00 | 21.35 -0.60 0.88 | 21.65 -0.54 0.90 | 26.01 -0.64 0.35 | 23.77 -0.60 0.41 | 20.22 -0.87 0.01 | 16.86 -0.79 0.00 | 20.11 -0.63 0.00 | 21.80 -0.37 0.00 | 20.62 -0.33 0.00 | 24.63 -0.56 0.00 | 26.85 -0.87 0.00 | 28.04 -1.08 0.00 | 27.73 -0.90 0.00 | 34.91 -1.12 0.00 | 31.85 -1.48 0.00 | 35.78 -1.70 0.00 | 35.61 -1.47 0.00 | 31.92 -1.35 0.00 | 30.19 -1.30 0.00 | 28.33 -1.04 0.00 | 23.73 -0.56 0.36 | 23.01 -0.30 0.27 |
| OAK ORCHARD__HYD 24046 | 32.14 -0.44 0.00 | 26.95 -0.37 0.00 | 22.10 -0.25 0.47 | 22.38 -0.22 0.49 | 26.52 -0.28 0.19 | 24.29 -0.27 0.22 | 20.65 -0.45 0.01 | 17.24 -0.40 0.00 | 20.45 -0.29 0.00 | 22.07 -0.10 0.00 | 20.90 -0.06 0.00 | 25.06 -0.13 0.00 | 27.45 -0.27 0.00 | 28.74 -0.38 0.00 | 28.29 -0.33 0.00 | 35.58 -0.44 0.00 | 32.70 -0.62 0.00 | 36.79 -0.69 0.00 | 36.54 -0.54 0.00 | 32.77 -0.50 0.00 | 31.00 -0.49 0.00 | 28.97 -0.40 0.00 | 24.26 -0.19 0.19 | 23.40 -0.04 0.15 |
| OAKDALE__35_KV_LOAD 356122 | 32.92 0.33 0.00 | 27.53 0.20 0.00 | 22.98 0.15 0.00 | 23.25 0.16 0.00 | 27.20 0.21 0.00 | 24.91 0.13 0.00 | 21.19 0.09 0.00 | 17.71 0.06 0.00 | 20.89 0.15 0.00 | 22.35 0.18 0.00 | 21.14 0.19 0.00 | 25.38 0.19 0.00 | 27.94 0.22 0.00 | 29.29 0.17 0.00 | 28.88 0.26 0.00 | 36.40 0.38 0.00 | 33.79 0.47 0.00 | 38.23 0.75 0.00 | 37.80 0.73 0.00 | 33.88 0.61 0.00 | 31.95 0.46 0.00 | 29.63 0.27 0.00 | 24.85 0.20 0.00 | 23.79 0.21 0.00 |

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| OCC_CHEM___DRP 24175 | 31.04 -1.55 0.00 | 26.09 -1.24 0.00 | 21.93 -0.89 0.00 | 22.27 -0.82 0.00 | 25.95 -1.05 0.00 | 23.86 -0.92 0.00 | 19.94 -1.16 0.00 | 16.65 -1.00 0.00 | 19.86 -0.88 0.00 | 21.53 -0.65 0.00 | 20.35 -0.60 0.00 | 24.27 -0.92 0.00 | 26.43 -1.29 0.00 | 27.58 -1.55 0.00 | 27.26 -1.36 0.00 | 34.38 -1.65 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.75 -0.90 0.00 | 23.05 -0.53 0.00 |
| OH_GEN_PROXY 24063 | 31.32 -1.26 0.00 | 26.31 -1.01 0.00 | 20.59 -0.74 1.50 | 21.28 -0.67 1.14 | 25.73 -0.82 0.45 | 23.50 -0.75 0.52 | 20.10 -0.99 0.02 | 16.80 -0.85 0.00 | 20.04 -0.70 0.00 | 21.70 -0.47 0.00 | 20.50 -0.46 0.00 | 24.47 -0.72 0.00 | 26.67 -1.05 0.00 | 27.86 -1.27 0.00 | 27.53 -1.09 0.00 | 34.72 -1.31 0.00 | 31.70 -1.63 0.00 | 35.67 -1.81 0.00 | 35.44 -1.64 0.00 | 31.71 -1.56 0.00 | 29.97 -1.52 0.00 | 28.11 -1.26 0.00 | 23.44 -0.76 0.45 | 22.75 -0.49 0.34 |
| OLIN_CORP_DRP 24177 | 31.07 -1.52 0.00 | 26.10 -1.22 0.00 | 21.91 -0.92 0.00 | 22.23 -0.86 0.00 | 25.95 -1.04 0.00 | 23.85 -0.93 0.00 | 19.96 -1.15 0.00 | 16.63 -1.01 0.00 | 19.85 -0.89 0.00 | 21.50 -0.67 0.00 | 20.34 -0.61 0.00 | 24.26 -0.94 0.00 | 26.43 -1.29 0.00 | 27.57 -1.55 0.00 | 27.27 -1.36 0.00 | 34.37 -1.65 0.00 | 31.34 -1.99 0.00 | 35.20 -2.28 0.00 | 35.01 -2.07 0.00 | 31.38 -1.89 0.00 | 29.67 -1.82 0.00 | 27.87 -1.50 0.00 | 23.71 -0.94 0.00 | 22.93 -0.65 0.00 |
| OLIN_CORP_DSASP 323712 | 31.05 -1.54 0.00 | 26.10 -1.22 0.00 | 20.94 -0.89 1.00 | 21.25 -0.82 1.02 | 25.59 -1.01 0.40 | 23.39 -0.92 0.47 | 19.93 -1.16 0.02 | 16.64 -1.00 0.00 | 19.87 -0.87 0.00 | 21.52 -0.65 0.00 | 20.34 -0.62 0.00 | 24.27 -0.92 0.00 | 26.43 -1.28 0.00 | 27.60 -1.52 0.00 | 27.29 -1.34 0.00 | 34.38 -1.64 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.34 -0.90 0.40 | 22.75 -0.53 0.31 |
| ONEIDA_HERK_LFGE 323681 | 33.43 0.85 0.00 | 27.99 0.67 0.00 | 23.38 0.55 0.00 | 23.65 0.56 0.00 | 27.66 0.67 0.00 | 25.38 0.60 0.00 | 21.58 0.48 0.00 | 17.97 0.32 0.00 | 21.11 0.37 0.00 | 22.53 0.36 0.00 | 21.33 0.38 0.00 | 25.56 0.36 0.00 | 28.14 0.42 0.00 | 29.57 0.45 0.00 | 29.24 0.61 0.00 | 37.02 0.99 0.00 | 34.30 0.97 0.00 | 38.74 1.26 0.00 | 38.29 1.21 0.00 | 34.39 1.12 0.00 | 32.59 1.10 0.00 | 30.31 0.94 0.00 | 25.39 0.75 0.00 | 24.25 0.67 0.00 |
| ONEIDA___115KV_TB4 55905 | 33.38 0.80 0.00 | 27.96 0.63 0.00 | 23.36 0.53 0.00 | 23.63 0.54 0.00 | 27.62 0.63 0.00 | 25.33 0.55 0.00 | 21.54 0.44 0.00 | 17.93 0.29 0.00 | 21.06 0.32 0.00 | 22.50 0.33 0.00 | 21.28 0.33 0.00 | 25.54 0.35 0.00 | 28.13 0.41 0.00 | 29.56 0.44 0.00 | 29.20 0.58 0.00 | 36.89 0.86 0.00 | 34.31 0.98 0.00 | 38.79 1.31 0.00 | 38.37 1.29 0.00 | 34.39 1.12 0.00 | 32.51 1.02 0.00 | 30.22 0.85 0.00 | 25.30 0.66 0.00 | 24.20 0.62 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 32.54 -0.05 0.00 | 27.26 -0.06 0.00 | 22.80 -0.03 0.00 | 23.08 -0.01 0.00 | 26.97 -0.03 0.00 | 24.72 -0.05 0.00 | 21.02 -0.08 0.00 | 17.55 -0.09 0.00 | 20.66 -0.08 0.00 | 22.11 -0.06 0.00 | 20.91 -0.04 0.00 | 25.12 -0.08 0.00 | 27.66 -0.06 0.00 | 29.01 -0.11 0.00 | 28.52 -0.10 0.00 | 35.90 -0.13 0.00 | 33.28 -0.04 0.00 | 37.55 0.07 0.00 | 37.19 0.11 0.00 | 33.35 0.08 0.00 | 31.52 0.03 0.00 | 29.30 -0.07 0.00 | 24.59 -0.06 0.00 | 23.59 0.01 0.00 |
| ONONDAGA___COGEN 23986 | 32.51 -0.08 0.00 | 27.23 -0.09 0.00 | 22.79 -0.03 0.00 | 23.06 -0.03 0.00 | 26.96 -0.04 0.00 | 24.72 -0.05 0.00 | 21.01 -0.09 0.00 | 17.55 -0.09 0.00 | 20.66 -0.08 0.00 | 22.10 -0.08 0.00 | 20.90 -0.05 0.00 | 25.12 -0.08 0.00 | 27.65 -0.07 0.00 | 29.01 -0.11 0.00 | 28.50 -0.13 0.00 | 35.87 -0.16 0.00 | 33.21 -0.12 0.00 | 37.44 -0.04 0.00 | 37.11 0.03 0.00 | 33.27 0.00 0.00 | 31.46 -0.03 0.00 | 29.24 -0.13 0.00 | 24.54 -0.11 0.00 | 23.58 0.00 0.00 |
| ONTARIO___LFGE 23819 | 32.73 0.15 0.00 | 27.36 0.04 0.00 | 22.87 0.05 0.00 | 23.16 0.07 0.00 | 27.10 0.11 0.00 | 24.80 0.02 0.00 | 20.98 -0.12 0.00 | 17.51 -0.14 0.00 | 20.68 -0.06 0.00 | 22.17 0.00 0.00 | 20.96 0.01 0.00 | 25.17 -0.02 0.00 | 27.64 -0.08 0.00 | 29.00 -0.12 0.00 | 28.65 0.03 0.00 | 36.16 0.14 0.00 | 33.47 0.14 0.00 | 37.70 0.22 0.00 | 37.43 0.35 0.00 | 33.55 0.28 0.00 | 31.68 0.19 0.00 | 29.54 0.17 0.00 | 24.82 0.17 0.00 | 23.79 0.21 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 32.24 -0.34 0.00 | 26.98 -0.35 0.00 | 22.39 -0.22 0.22 | 22.72 -0.15 0.22 | 26.72 -0.18 0.09 | 24.41 -0.27 0.10 | 20.51 -0.59 0.00 | 17.05 -0.60 0.00 | 20.35 -0.39 0.00 | 22.04 -0.13 0.00 | 20.89 -0.06 0.00 | 24.94 -0.25 0.00 | 27.21 -0.51 0.00 | 28.16 -0.96 0.00 | 28.07 -0.56 0.00 | 35.65 -0.37 0.00 | 32.66 -0.66 0.00 | 36.91 -0.58 0.00 | 36.67 -0.41 0.00 | 32.85 -0.43 0.00 | 30.99 -0.49 0.00 | 28.89 -0.47 0.00 | 24.36 -0.20 0.09 | 23.48 -0.04 0.07 |
| ORANGEVILLE___ESR 323794 | 32.24 -0.34 0.00 | 26.98 -0.35 0.00 | 22.39 -0.22 0.22 | 22.72 -0.15 0.22 | 26.72 -0.18 0.09 | 24.41 -0.27 0.10 | 20.51 -0.59 0.00 | 17.05 -0.60 0.00 | 20.35 -0.39 0.00 | 22.04 -0.13 0.00 | 20.89 -0.06 0.00 | 24.94 -0.25 0.00 | 27.21 -0.51 0.00 | 28.16 -0.96 0.00 | 28.07 -0.56 0.00 | 35.65 -0.37 0.00 | 32.66 -0.66 0.00 | 36.91 -0.58 0.00 | 36.67 -0.41 0.00 | 32.85 -0.43 0.00 | 30.99 -0.49 0.00 | 28.89 -0.47 0.00 | 24.36 -0.20 0.09 | 23.48 -0.04 0.07 |
| OSWEGATCHIE___HYD 24044 | 33.34 0.75 0.00 | 27.89 0.57 0.00 | 23.27 0.44 0.00 | 23.54 0.45 0.00 | 27.59 0.59 0.00 | 25.33 0.55 0.00 | 21.51 0.41 0.00 | 17.90 0.25 0.00 | 21.01 0.27 0.00 | 22.46 0.29 0.00 | 21.29 0.34 0.00 | 25.46 0.27 0.00 | 28.01 0.29 0.00 | 29.42 0.30 0.00 | 29.11 0.48 0.00 | 36.96 0.94 0.00 | 34.12 0.80 0.00 | 38.17 0.69 0.00 | 37.39 0.30 0.00 | 33.61 0.34 0.00 | 32.25 0.76 0.00 | 30.25 0.88 0.00 | 25.43 0.78 0.00 | 24.25 0.67 0.00 |
| OSWEGO___5 23606 | 31.95 -0.64 0.00 | 26.78 -0.54 0.00 | 22.43 -0.40 0.00 | 22.69 -0.39 0.00 | 26.53 -0.47 0.00 | 24.34 -0.44 0.00 | 20.69 -0.41 0.00 | 17.28 -0.36 0.00 | 20.34 -0.40 0.00 | 21.77 -0.41 0.00 | 20.58 -0.37 0.00 | 24.72 -0.47 0.00 | 27.20 -0.52 0.00 | 28.52 -0.60 0.00 | 27.98 -0.65 0.00 | 35.15 -0.87 0.00 | 32.55 -0.78 0.00 | 36.68 -0.81 0.00 | 36.34 -0.74 0.00 | 32.61 -0.66 0.00 | 30.83 -0.66 0.00 | 28.70 -0.67 0.00 | 24.09 -0.56 0.00 | 23.17 -0.41 0.00 |
| OSWEGO___6 23613 | 31.95 -0.64 0.00 | 26.78 -0.54 0.00 | 22.43 -0.40 0.00 | 22.69 -0.39 0.00 | 26.53 -0.47 0.00 | 24.34 -0.44 0.00 | 20.69 -0.41 0.00 | 17.28 -0.36 0.00 | 20.34 -0.40 0.00 | 21.77 -0.41 0.00 | 20.58 -0.37 0.00 | 24.72 -0.47 0.00 | 27.20 -0.52 0.00 | 28.52 -0.60 0.00 | 27.98 -0.65 0.00 | 35.15 -0.87 0.00 | 32.55 -0.78 0.00 | 36.68 -0.81 0.00 | 36.34 -0.74 0.00 | 32.61 -0.66 0.00 | 30.83 -0.66 0.00 | 28.70 -0.67 0.00 | 24.09 -0.56 0.00 | 23.17 -0.41 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 31.83 -0.76 0.00 | 26.70 -0.63 0.00 | 22.42 -0.41 0.00 | 22.75 -0.34 0.00 | 26.52 -0.47 0.00 | 24.37 -0.41 0.00 | 20.37 -0.74 0.00 | 16.98 -0.66 0.00 | 20.29 -0.45 0.00 | 22.00 -0.17 0.00 | 20.82 -0.13 0.00 | 24.84 -0.36 0.00 | 27.08 -0.63 0.00 | 28.23 -0.89 0.00 | 27.94 -0.69 0.00 | 35.23 -0.79 0.00 | 32.16 -1.17 0.00 | 36.16 -1.32 0.00 | 35.98 -1.10 0.00 | 32.23 -1.05 0.00 | 30.47 -1.02 0.00 | 28.58 -0.79 0.00 | 24.30 -0.35 0.00 | 23.51 -0.08 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| OXBOW___BTM 323836 | 31.46 -1.13 0.00 | 26.42 -0.90 0.00 | 21.20 -0.64 0.99 | 21.50 -0.57 1.02 | 25.89 -0.71 0.40 | 23.66 -0.66 0.47 | 20.14 -0.94 0.02 | 16.82 -0.82 0.00 | 20.08 -0.65 0.00 | 21.78 -0.40 0.00 | 20.58 -0.37 0.00 | 24.57 -0.62 0.00 | 26.78 -0.93 0.00 | 27.95 -1.17 0.00 | 27.64 -0.98 0.00 | 34.83 -1.20 0.00 | 31.77 -1.56 0.00 | 35.72 -1.76 0.00 | 35.53 -1.55 0.00 | 31.82 -1.45 0.00 | 30.09 -1.41 0.00 | 28.24 -1.13 0.00 | 23.64 -0.61 0.40 | 22.99 -0.29 0.30 |
| OXBOW____ 24026 | 31.45 -1.13 0.00 | 26.41 -0.92 0.00 | 22.19 -0.64 0.00 | 22.52 -0.57 0.00 | 26.24 -0.75 0.00 | 24.12 -0.66 0.00 | 20.16 -0.95 0.00 | 16.82 -0.82 0.00 | 20.08 -0.66 0.00 | 21.78 -0.40 0.00 | 20.60 -0.36 0.00 | 24.57 -0.62 0.00 | 26.78 -0.94 0.00 | 27.93 -1.19 0.00 | 27.61 -1.01 0.00 | 34.83 -1.20 0.00 | 31.77 -1.56 0.00 | 35.72 -1.76 0.00 | 35.53 -1.55 0.00 | 31.82 -1.45 0.00 | 30.08 -1.41 0.00 | 28.24 -1.13 0.00 | 24.04 -0.61 0.00 | 23.29 -0.29 0.00 |
| OXY_CHEM_DSASP 323612 | 31.04 -1.55 0.00 | 26.09 -1.24 0.00 | 21.93 -0.89 0.00 | 22.27 -0.82 0.00 | 25.95 -1.05 0.00 | 23.86 -0.92 0.00 | 19.94 -1.16 0.00 | 16.65 -1.00 0.00 | 19.86 -0.88 0.00 | 21.53 -0.65 0.00 | 20.35 -0.60 0.00 | 24.27 -0.92 0.00 | 26.43 -1.29 0.00 | 27.58 -1.55 0.00 | 27.26 -1.36 0.00 | 34.38 -1.65 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.75 -0.90 0.00 | 23.05 -0.53 0.00 |
| OZONE_PARK_ESR 323760 | 35.01 2.42 0.00 | 29.30 1.97 0.00 | 24.31 1.48 0.00 | 24.48 1.39 0.00 | 28.58 1.58 0.00 | 26.23 1.45 0.00 | 22.57 1.46 0.00 | 18.94 1.30 0.00 | 22.33 1.59 0.00 | 23.93 1.75 -0.01 | 165.08 1.59 -142.54 | 27.98 1.98 -0.80 | 30.96 2.32 -0.92 | 42.74 2.59 -11.03 | 66.38 2.59 -35.17 | 43.55 3.29 -4.24 | 38.09 3.25 -1.52 | 42.22 4.23 -0.51 | 41.16 4.08 0.00 | 36.79 3.53 0.00 | 34.43 2.94 0.00 | 31.63 2.26 0.00 | 26.42 1.77 0.00 | 25.07 1.49 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 31.04 -1.55 0.00 | 26.09 -1.24 0.00 | 21.93 -0.89 0.00 | 22.27 -0.82 0.00 | 25.95 -1.05 0.00 | 23.86 -0.92 0.00 | 19.94 -1.16 0.00 | 16.65 -1.00 0.00 | 19.86 -0.88 0.00 | 21.53 -0.65 0.00 | 20.35 -0.60 0.00 | 24.27 -0.92 0.00 | 26.43 -1.29 0.00 | 27.58 -1.55 0.00 | 27.26 -1.36 0.00 | 34.38 -1.65 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.75 -0.90 0.00 | 23.05 -0.53 0.00 |
| PACKARD__115KV_DUPONT_184 80571 | 31.04 -1.55 0.00 | 26.09 -1.24 0.00 | 21.93 -0.89 0.00 | 22.27 -0.82 0.00 | 25.95 -1.05 0.00 | 23.86 -0.92 0.00 | 19.94 -1.16 0.00 | 16.65 -1.00 0.00 | 19.86 -0.88 0.00 | 21.53 -0.65 0.00 | 20.35 -0.60 0.00 | 24.27 -0.92 0.00 | 26.43 -1.29 0.00 | 27.58 -1.55 0.00 | 27.26 -1.36 0.00 | 34.38 -1.65 0.00 | 31.34 -1.99 0.00 | 35.21 -2.27 0.00 | 35.01 -2.07 0.00 | 31.37 -1.90 0.00 | 29.65 -1.84 0.00 | 27.85 -1.52 0.00 | 23.75 -0.90 0.00 | 23.05 -0.53 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 34.67 2.09 0.00 | 29.08 1.76 0.00 | 24.15 1.31 0.00 | 24.27 1.18 0.00 | 28.30 1.30 0.00 | 26.00 1.22 0.00 | 22.34 1.24 0.00 | 18.74 1.09 0.00 | 22.06 1.32 0.00 | 23.63 1.45 -0.01 | 164.80 1.31 -142.55 | 27.69 1.69 -0.81 | 30.65 2.01 -0.93 | 42.41 2.25 -11.04 | 66.06 2.26 -35.17 | 43.13 2.87 -4.24 | 37.66 2.82 -1.52 | 41.71 3.72 -0.51 | 40.71 3.63 0.00 | 36.43 3.15 0.00 | 34.11 2.63 0.00 | 31.39 2.02 0.00 | 26.21 1.56 0.00 | 24.88 1.30 0.00 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 34.89 2.30 0.00 | 29.24 1.92 0.00 | 24.28 1.45 0.00 | 24.40 1.31 0.00 | 28.45 1.45 0.00 | 26.13 1.35 0.00 | 22.46 1.36 0.00 | 18.82 1.18 0.00 | 22.14 1.40 0.00 | 23.70 1.52 -0.01 | 164.90 1.40 -142.55 | 27.81 1.81 -0.81 | 30.76 2.12 -0.93 | 42.53 2.37 -11.04 | 66.21 2.41 -35.17 | 43.34 3.08 -4.24 | 37.85 3.01 -1.52 | 41.97 3.98 -0.51 | 40.97 3.89 0.00 | 36.61 3.34 0.00 | 34.30 2.81 0.00 | 31.59 2.22 0.00 | 26.37 1.72 0.00 | 25.03 1.45 0.00 |
| PATROON__115KV_TB1 80586 | 32.91 0.33 0.00 | 27.66 0.33 0.00 | 23.42 0.59 0.00 | 23.83 0.74 0.00 | 27.74 0.74 0.00 | 25.35 0.57 0.00 | 21.61 0.51 0.00 | 18.03 0.38 0.00 | 21.07 0.33 0.00 | 22.29 0.12 0.00 | -78.76 0.15 99.86 | 24.75 0.12 0.56 | 27.19 0.12 0.65 | 21.61 0.21 7.73 | 4.28 0.29 24.64 | 33.42 0.37 2.97 | 32.79 0.52 1.06 | 38.07 0.94 0.36 | 38.18 1.10 0.00 | 34.32 1.05 0.00 | 32.47 0.98 0.00 | 29.98 0.61 0.00 | 24.99 0.34 0.00 | 23.77 0.18 0.00 |
| PATTRSNVILLE__SOLAR 323815 | 33.81 1.22 0.00 | 28.34 1.02 0.00 | 23.67 0.84 0.00 | 23.94 0.86 0.00 | 27.97 0.97 0.00 | 25.66 0.88 0.00 | 21.83 0.73 0.00 | 18.15 0.50 0.00 | 21.25 0.51 0.00 | 22.67 0.50 0.00 | -56.22 0.49 77.66 | 25.28 0.53 0.44 | 27.81 0.60 0.50 | 23.80 0.68 6.01 | 10.15 0.68 19.16 | 34.65 0.94 2.31 | 33.64 1.14 0.83 | 38.78 1.57 0.28 | 38.89 1.81 0.00 | 34.94 1.67 0.00 | 33.06 1.57 0.00 | 30.67 1.30 0.00 | 25.66 1.01 0.00 | 24.47 0.89 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 32.47 -0.11 0.00 | 27.18 -0.14 0.00 | 22.82 -0.01 0.00 | 23.16 0.07 0.00 | 27.03 0.04 0.00 | 24.78 0.00 0.00 | 20.73 -0.38 0.00 | 17.30 -0.34 0.00 | 20.66 -0.08 0.00 | 22.37 0.19 0.00 | 21.20 0.24 0.00 | 25.25 0.06 0.00 | 27.59 -0.12 0.00 | 28.74 -0.38 0.00 | 28.49 -0.14 0.00 | 35.96 -0.06 0.00 | 32.91 -0.41 0.00 | 37.06 -0.42 0.00 | 36.87 -0.20 0.00 | 32.99 -0.27 0.00 | 31.14 -0.34 0.00 | 29.14 -0.23 0.00 | 24.71 0.06 0.00 | 23.82 0.23 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 34.59 2.00 0.00 | 28.96 1.64 0.00 | 24.03 1.20 0.00 | 24.23 1.14 0.00 | 28.30 1.31 0.00 | 25.97 1.19 0.00 | 22.30 1.19 0.00 | 18.70 1.05 0.00 | 22.00 1.26 0.00 | 23.54 1.37 0.00 | 150.13 1.25 -127.93 | 27.50 1.58 -0.72 | 30.45 1.91 -0.83 | 41.18 2.16 -9.90 | 62.36 2.17 -31.56 | 42.61 2.79 -3.80 | 37.49 2.81 -1.36 | 41.64 3.70 -0.45 | 40.73 3.65 0.00 | 36.44 3.17 0.00 | 34.13 2.64 0.00 | 31.38 2.01 0.00 | 26.14 1.49 0.00 | 24.82 1.23 0.00 |
| PEEKSKILL____ 23653 | 34.30 1.72 0.00 | 28.75 1.42 0.00 | 23.83 1.00 0.00 | 24.03 0.94 0.00 | 28.08 1.08 0.00 | 25.76 0.98 0.00 | 22.12 1.01 0.00 | 18.53 0.89 0.00 | 21.81 1.07 0.00 | 23.35 1.17 0.00 | 156.89 1.07 -134.87 | 27.32 1.37 -0.76 | 30.23 1.64 -0.88 | 41.42 1.86 -10.44 | 63.76 1.86 -33.27 | 42.40 2.36 -4.01 | 37.16 2.40 -1.44 | 41.20 3.24 -0.48 | 40.25 3.17 0.00 | 36.01 2.74 0.00 | 33.72 2.24 0.00 | 31.01 1.64 0.00 | 25.88 1.23 0.00 | 24.60 1.01 0.00 |
| PGE MADISON__WINDPWR 24146 | 34.84 2.26 0.00 | 29.18 1.86 0.00 | 24.62 1.54 -0.25 | 24.91 1.57 -0.25 | 28.96 1.86 -0.10 | 26.56 1.67 -0.12 | 22.49 1.38 0.00 | 18.69 1.05 0.00 | 21.84 1.10 0.00 | 23.25 1.07 0.00 | 21.93 0.97 0.00 | 26.30 1.11 0.00 | 28.92 1.20 0.00 | 30.43 1.31 0.00 | 30.12 1.49 0.00 | 38.22 2.19 0.00 | 35.26 1.94 0.00 | 40.92 3.44 0.00 | 39.90 2.82 0.00 | 36.26 2.99 0.00 | 34.30 2.81 0.00 | 31.79 2.42 0.00 | 26.61 1.86 -0.10 | 25.42 1.76 -0.08 |
| PIERCEFIELD__HYD 23852 | 32.99 0.41 0.00 | 27.63 0.30 0.00 | 23.01 0.18 0.00 | 23.28 0.19 0.00 | 27.30 0.30 0.00 | 25.10 0.32 0.00 | 21.32 0.22 0.00 | 17.79 0.15 0.00 | 20.91 0.17 0.00 | 22.42 0.24 0.00 | 21.20 0.25 0.00 | 25.46 0.27 0.00 | 27.97 0.25 0.00 | 29.38 0.26 0.00 | 28.96 0.33 0.00 | 36.65 0.63 0.00 | 33.81 0.48 0.00 | 37.53 0.05 0.00 | 36.40 -0.68 0.00 | 32.67 -0.60 0.00 | 31.59 0.10 0.00 | 29.87 0.50 0.00 | 25.14 0.49 0.00 | 23.99 0.41 0.00 |

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| PINELAWN_CC_1 323563 | 34.80 2.22 0.00 | 29.38 2.06 0.00 | 24.34 1.51 0.00 | 24.45 1.36 0.00 | 28.56 1.56 0.00 | 26.21 1.44 0.00 | 22.41 1.30 0.00 | 18.76 1.11 0.00 | 21.97 1.24 0.00 | 23.56 1.39 -0.01 | 164.72 1.20 -142.57 | 27.47 1.47 -0.80 | 30.81 2.16 -0.92 | 43.11 2.65 -11.34 | 66.23 2.43 -35.17 | 44.64 3.13 -5.49 | 39.49 3.30 -2.86 | 44.07 4.30 -2.29 | 44.40 4.08 -3.24 | 38.54 3.72 -1.55 | 38.81 3.21 -4.11 | 32.26 2.56 -0.34 | 26.47 1.82 0.00 | 25.21 1.63 0.00 |
| PJM_GEN_HTP_PROXY 323702 | 34.60 2.02 0.00 | 29.00 1.67 0.00 | 23.32 1.25 0.76 | 24.26 1.17 0.00 | 28.84 1.33 -0.52 | 26.00 1.22 0.00 | 22.37 1.27 0.00 | 18.78 1.13 0.00 | 22.12 1.38 0.00 | 23.71 1.53 -0.01 | 164.88 1.38 -142.54 | 27.71 1.72 -0.80 | 30.66 2.02 -0.92 | 42.44 2.28 -11.03 | 66.06 2.27 -35.17 | 43.14 2.88 -4.24 | 37.71 2.87 -1.52 | 41.80 3.82 -0.51 | 40.73 3.65 0.00 | 36.42 3.15 0.00 | 34.02 2.59 0.06 | 31.31 1.94 0.00 | 26.14 1.49 0.00 | 24.80 1.22 0.00 |
| PJM_GEN_KEystone 24065 | 33.28 0.70 0.00 | 28.07 0.53 -0.21 | 21.19 0.33 1.97 | 22.16 0.31 1.24 | 27.43 0.40 -0.03 | 24.52 0.31 0.57 | 21.34 0.25 0.02 | 17.86 0.21 0.00 | 21.16 0.42 0.00 | 22.73 0.55 0.00 | 93.79 0.52 -72.31 | 26.19 0.59 -0.41 | 28.84 0.66 -0.47 | 35.35 0.63 -5.60 | 47.22 0.76 -17.84 | 39.16 0.99 -2.15 | 35.07 0.98 -0.77 | 39.20 1.47 -0.26 | 38.55 1.47 0.00 | 34.47 1.19 0.00 | 32.28 0.85 0.06 | 29.89 0.52 0.00 | 24.60 0.45 0.49 | 23.64 0.43 0.37 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 34.46 1.87 0.00 | 29.05 1.73 0.00 | 23.31 1.24 0.76 | 24.21 1.12 0.00 | 28.80 1.29 -0.52 | 25.97 1.19 0.00 | 22.22 1.11 0.00 | 18.61 0.96 0.00 | 21.83 1.09 0.00 | 23.42 1.24 -0.01 | 164.59 1.07 -142.57 | 27.35 1.36 -0.80 | 30.60 1.96 -0.92 | 42.83 2.37 -11.34 | 65.95 2.15 -35.17 | 41.16 2.84 -2.30 | 37.92 2.96 -1.64 | 42.21 3.85 -0.88 | 41.69 3.63 -0.99 | 37.02 3.24 -0.50 | 35.37 2.74 -1.14 | 31.82 2.12 -0.33 | 26.13 1.49 0.00 | 24.89 1.31 0.00 |
| PJM_GEN_VFT_PROXY 323633 | 34.51 1.92 0.00 | 28.91 1.59 0.00 | 23.23 1.16 0.76 | 24.17 1.08 0.00 | 28.72 1.21 -0.52 | 25.89 1.11 0.00 | 22.29 1.19 0.00 | 18.70 1.06 0.00 | 22.04 1.30 0.00 | 23.61 1.43 -0.01 | 164.80 1.30 -142.54 | 27.62 1.63 -0.80 | 30.56 1.91 -0.92 | 42.31 2.16 -11.03 | 65.94 2.15 -35.17 | 42.99 2.73 -4.24 | 37.58 2.74 -1.52 | 41.64 3.65 -0.51 | 40.57 3.49 0.00 | 36.28 3.01 0.00 | 33.90 2.46 0.06 | 31.19 1.82 0.00 | 26.05 1.40 0.00 | 24.74 1.16 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 34.08 1.50 0.00 | 28.60 1.27 0.00 | 23.78 0.95 0.00 | 23.98 0.89 0.00 | 28.22 1.23 0.00 | 25.89 1.11 0.00 | 22.06 0.96 0.00 | 18.44 0.80 0.00 | 21.57 0.83 0.00 | 23.04 0.87 0.00 | 21.76 0.81 0.00 | 26.21 1.02 0.00 | 28.87 1.15 0.00 | 30.34 1.21 0.00 | 29.99 1.36 0.00 | 37.90 1.88 0.00 | 35.05 1.73 0.00 | 39.25 1.77 0.00 | 38.59 1.51 0.00 | 34.58 1.31 0.00 | 32.71 1.22 0.00 | 30.77 1.41 0.00 | 25.83 1.18 0.00 | 24.66 1.08 0.00 |
| PLEASANTVLY__LBMP 24000 | 34.08 1.50 0.00 | 28.56 1.24 0.00 | 23.73 0.90 0.00 | 23.94 0.85 0.00 | 27.97 0.98 0.00 | 25.67 0.89 0.00 | 22.03 0.93 0.00 | 18.46 0.82 0.00 | 21.70 0.96 0.00 | 23.18 1.00 -0.01 | 181.49 0.89 -159.65 | 27.24 1.15 -0.90 | 30.14 1.39 -1.04 | 43.06 1.59 -12.35 | 69.60 1.59 -39.39 | 42.80 2.03 -4.75 | 37.11 2.08 -1.70 | 40.90 2.85 -0.57 | 39.91 2.83 0.00 | 35.77 2.50 0.00 | 33.50 2.01 0.00 | 30.81 1.45 0.00 | 25.70 1.05 0.00 | 24.42 0.84 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 34.47 1.88 0.00 | 28.88 1.55 0.00 | 23.97 1.14 0.00 | 24.16 1.07 0.00 | 28.23 1.24 0.00 | 25.90 1.12 0.00 | 22.24 1.14 0.00 | 18.65 1.00 0.00 | 21.95 1.21 0.00 | 23.49 1.31 -0.01 | 165.50 1.15 -143.40 | 27.49 1.49 -0.81 | 30.43 1.78 -0.93 | 42.21 2.00 -11.10 | 65.99 1.99 -35.38 | 42.88 2.59 -4.26 | 37.45 2.60 -1.52 | 41.41 3.42 -0.51 | 40.43 3.35 0.00 | 36.21 2.93 0.00 | 33.88 2.40 0.00 | 31.14 1.77 0.00 | 25.98 1.33 0.00 | 24.68 1.10 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 34.47 1.88 0.00 | 28.88 1.55 0.00 | 23.97 1.14 0.00 | 24.16 1.07 0.00 | 28.23 1.24 0.00 | 25.90 1.12 0.00 | 22.24 1.14 0.00 | 18.65 1.00 0.00 | 21.95 1.21 0.00 | 23.49 1.31 -0.01 | 165.50 1.15 -143.40 | 27.49 1.49 -0.81 | 30.43 1.78 -0.93 | 42.21 2.00 -11.10 | 65.99 1.99 -35.38 | 42.88 2.59 -4.26 | 37.45 2.60 -1.52 | 41.41 3.42 -0.51 | 40.43 3.35 0.00 | 36.21 2.93 0.00 | 33.88 2.40 0.00 | 31.14 1.77 0.00 | 25.98 1.33 0.00 | 24.68 1.10 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 34.32 1.74 0.00 | 28.74 1.42 0.00 | 23.87 1.04 0.00 | 24.07 0.98 0.00 | 28.13 1.14 0.00 | 25.81 1.03 0.00 | 22.15 1.05 0.00 | 18.56 0.92 0.00 | 21.81 1.07 0.00 | 23.30 1.13 0.00 | 46.71 1.00 -24.76 | 26.63 1.31 -0.14 | 29.46 1.58 -0.16 | 32.81 1.78 -1.92 | 36.53 1.80 -6.11 | 39.09 2.34 -0.74 | 36.00 2.41 -0.26 | 40.81 3.24 -0.09 | 40.31 3.23 0.00 | 36.11 2.84 0.00 | 33.82 2.33 0.00 | 31.11 1.74 0.00 | 25.93 1.28 0.00 | 24.62 1.03 0.00 |
| POLETTI____ 23519 | 34.58 1.99 0.00 | 28.97 1.64 0.00 | 24.06 1.23 0.00 | 24.24 1.15 0.00 | 28.28 1.29 0.00 | 25.96 1.19 0.00 | 22.36 1.26 0.00 | 18.77 1.12 0.00 | 22.11 1.37 0.00 | 23.70 1.52 -0.01 | 164.83 1.33 -142.54 | 27.68 1.68 -0.80 | 30.63 1.99 -0.92 | 42.39 2.24 -11.03 | 66.04 2.24 -35.17 | 43.10 2.84 -4.24 | 37.67 2.83 -1.52 | 41.73 3.75 -0.51 | 40.68 3.60 0.00 | 36.37 3.11 0.00 | 34.04 2.55 0.00 | 31.26 1.89 0.00 | 26.12 1.47 0.00 | 24.79 1.21 0.00 |
| POMONA__ESR 323819 | 34.36 1.78 0.00 | 28.79 1.47 0.00 | 23.86 1.03 0.00 | 24.04 0.95 0.00 | 28.11 1.11 0.00 | 25.80 1.02 0.00 | 22.14 1.04 0.00 | 18.53 0.89 0.00 | 21.83 1.10 0.00 | 23.39 1.21 0.00 | 148.36 1.12 -126.28 | 27.35 1.45 -0.71 | 30.26 1.72 -0.82 | 40.84 1.95 -9.77 | 61.73 1.95 -31.16 | 42.27 2.49 -3.75 | 37.19 2.52 -1.34 | 41.29 3.36 -0.45 | 40.37 3.29 0.00 | 36.10 2.83 0.00 | 33.80 2.31 0.00 | 31.07 1.70 0.00 | 25.94 1.29 0.00 | 24.66 1.08 0.00 |
| PORT_JEFF_3 23555 | 34.73 2.15 0.00 | 29.44 2.11 0.00 | 24.39 1.56 0.00 | 24.48 1.39 0.00 | 28.63 1.64 0.00 | 26.29 1.51 0.00 | 22.47 1.37 0.00 | 18.83 1.19 0.00 | 22.03 1.29 0.00 | 23.62 1.44 -0.01 | 164.80 1.28 -142.57 | 27.52 1.52 -0.80 | 30.94 2.30 -0.92 | 43.31 2.85 -11.34 | 66.41 2.61 -35.17 | 42.89 3.32 -3.55 | 38.97 3.53 -2.12 | 54.39 4.68 -12.23 | 55.62 4.48 -14.06 | 41.89 4.02 -4.59 | 37.33 3.50 -2.35 | 32.53 2.83 -0.34 | 26.66 2.01 0.00 | 25.37 1.79 0.00 |
| PORT_JEFF_4 23616 | 34.73 2.15 0.00 | 29.44 2.11 0.00 | 24.39 1.56 0.00 | 24.48 1.39 0.00 | 28.63 1.64 0.00 | 26.29 1.51 0.00 | 22.47 1.37 0.00 | 18.83 1.19 0.00 | 22.03 1.29 0.00 | 23.62 1.44 -0.01 | 164.80 1.28 -142.57 | 27.52 1.52 -0.80 | 30.94 2.30 -0.92 | 43.31 2.85 -11.34 | 66.41 2.61 -35.17 | 42.89 3.32 -3.55 | 38.97 3.53 -2.12 | 54.39 4.68 -12.23 | 55.62 4.48 -14.06 | 41.89 4.02 -4.59 | 37.33 3.50 -2.35 | 32.53 2.83 -0.34 | 26.66 2.01 0.00 | 25.37 1.79 0.00 |
| PORT_JEFF_IC 23713 | 34.77 2.18 0.00 | 29.46 2.13 0.00 | 24.40 1.57 0.00 | 24.50 1.41 0.00 | 28.65 1.66 0.00 | 26.31 1.53 0.00 | 22.48 1.38 0.00 | 18.84 1.20 0.00 | 22.04 1.30 0.00 | 23.63 1.45 -0.01 | 164.78 1.26 -142.57 | 27.54 1.54 -0.80 | 30.98 2.34 -0.92 | 43.33 2.87 -11.34 | 66.45 2.66 -35.17 | 43.09 3.46 -3.60 | 39.05 3.59 -2.14 | 56.17 4.75 -13.94 | 57.67 4.59 -16.00 | 42.55 4.09 -5.19 | 37.51 3.62 -2.40 | 32.58 2.87 -0.34 | 26.68 2.03 0.00 | 25.39 1.81 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| PPL PILGRIM_ST_GT1 24216 | 34.95 2.36 0.00 | 29.56 2.23 0.00 | 24.47 1.64 0.00 | 24.58 1.49 0.00 | 28.72 1.73 0.00 | 26.36 1.59 0.00 | 22.52 1.42 0.00 | 18.83 1.19 0.00 | 22.05 1.31 0.00 | 23.64 1.46 -0.01 | 164.82 1.30 -142.57 | 27.55 1.55 -0.80 | 30.95 2.31 -0.92 | 43.32 2.85 -11.34 | 66.44 2.64 -35.17 | 43.22 3.34 -3.86 | 39.05 3.50 -2.23 | 45.51 4.55 -3.48 | 45.52 4.19 -4.25 | 38.82 3.88 -1.67 | 37.55 3.44 -2.62 | 32.49 2.79 -0.34 | 26.64 1.99 0.00 | 25.38 1.79 0.00 |
| PPL PILGRIM_ST_GT2 24217 | 34.95 2.36 0.00 | 29.56 2.23 0.00 | 24.47 1.64 0.00 | 24.58 1.49 0.00 | 28.72 1.73 0.00 | 26.36 1.59 0.00 | 22.52 1.42 0.00 | 18.83 1.19 0.00 | 22.05 1.31 0.00 | 23.64 1.46 -0.01 | 164.82 1.30 -142.57 | 27.55 1.55 -0.80 | 30.95 2.31 -0.92 | 43.32 2.85 -11.34 | 66.44 2.64 -35.17 | 43.22 3.34 -3.86 | 39.05 3.50 -2.23 | 45.51 4.55 -3.48 | 45.52 4.19 -4.25 | 38.82 3.88 -1.67 | 37.55 3.44 -2.62 | 32.49 2.79 -0.34 | 26.64 1.99 0.00 | 25.38 1.79 0.00 |
| PPL_SHRM_GT3 24213 | 34.44 1.86 0.00 | 29.19 1.86 0.00 | 24.18 1.35 0.00 | 24.25 1.16 0.00 | 28.45 1.45 0.00 | 26.13 1.35 0.00 | 22.37 1.27 0.00 | 18.81 1.16 0.00 | 21.96 1.22 0.00 | 23.53 1.36 -0.01 | 164.69 1.17 -142.57 | 27.37 1.37 -0.80 | 30.82 2.18 -0.92 | 43.18 2.72 -11.34 | 66.24 2.44 -35.17 | 42.65 3.05 -3.58 | 38.81 3.36 -2.13 | 54.54 4.59 -12.47 | 55.82 4.40 -14.34 | 41.90 3.95 -4.68 | 37.29 3.43 -2.37 | 32.45 2.75 -0.34 | 26.57 1.92 0.00 | 25.25 1.66 0.00 |
| PPL_SHRM_GT4 24214 | 34.44 1.86 0.00 | 29.19 1.86 0.00 | 24.18 1.35 0.00 | 24.25 1.16 0.00 | 28.45 1.45 0.00 | 26.13 1.35 0.00 | 22.37 1.27 0.00 | 18.81 1.16 0.00 | 21.96 1.22 0.00 | 23.53 1.36 -0.01 | 164.69 1.17 -142.57 | 27.37 1.37 -0.80 | 30.82 2.18 -0.92 | 43.18 2.72 -11.34 | 66.24 2.44 -35.17 | 42.65 3.05 -3.58 | 38.81 3.36 -2.13 | 54.54 4.59 -12.47 | 55.82 4.40 -14.34 | 41.90 3.95 -4.68 | 37.29 3.43 -2.37 | 32.45 2.75 -0.34 | 26.57 1.92 0.00 | 25.25 1.66 0.00 |
| PROJECT___ORANGE 1 24174 | 32.35 -0.23 0.00 | 27.12 -0.21 0.00 | 22.69 -0.14 0.00 | 22.97 -0.12 0.00 | 26.83 -0.16 0.00 | 24.61 -0.17 0.00 | 20.92 -0.19 0.00 | 17.47 -0.18 0.00 | 20.57 -0.17 0.00 | 22.02 -0.15 0.00 | 20.83 -0.12 0.00 | 25.02 -0.17 0.00 | 27.56 -0.16 0.00 | 28.89 -0.23 0.00 | 28.38 -0.24 0.00 | 35.69 -0.33 0.00 | 33.06 -0.27 0.00 | 37.28 -0.20 0.00 | 36.95 -0.13 0.00 | 33.14 -0.13 0.00 | 31.32 -0.17 0.00 | 29.12 -0.25 0.00 | 24.44 -0.21 0.00 | 23.47 -0.11 0.00 |
| PROJECT___ORANGE 2 24166 | 32.35 -0.23 0.00 | 27.12 -0.21 0.00 | 22.69 -0.14 0.00 | 22.97 -0.12 0.00 | 26.83 -0.16 0.00 | 24.61 -0.17 0.00 | 20.92 -0.19 0.00 | 17.47 -0.18 0.00 | 20.57 -0.17 0.00 | 22.02 -0.15 0.00 | 20.83 -0.12 0.00 | 25.02 -0.17 0.00 | 27.56 -0.16 0.00 | 28.89 -0.23 0.00 | 28.38 -0.24 0.00 | 35.69 -0.33 0.00 | 33.06 -0.27 0.00 | 37.28 -0.20 0.00 | 36.95 -0.13 0.00 | 33.14 -0.13 0.00 | 31.32 -0.17 0.00 | 29.12 -0.25 0.00 | 24.44 -0.21 0.00 | 23.47 -0.11 0.00 |
| PUCKETT___SOLAR 323809 | 33.35 0.76 0.00 | 27.91 0.59 0.00 | 23.30 0.47 0.00 | 23.57 0.48 0.00 | 27.58 0.58 0.00 | 25.25 0.48 0.00 | 21.48 0.38 0.00 | 17.92 0.27 0.00 | 21.04 0.30 0.00 | 22.46 0.29 0.00 | 21.19 0.24 0.00 | 25.42 0.23 0.00 | 27.98 0.26 0.00 | 29.43 0.31 0.00 | 29.04 0.41 0.00 | 36.63 0.61 0.00 | 34.18 0.85 0.00 | 38.82 1.34 0.00 | 38.07 0.99 0.00 | 34.41 1.13 0.00 | 32.50 1.01 0.00 | 30.12 0.75 0.00 | 25.25 0.60 0.00 | 24.15 0.57 0.00 |
| PYRITES___HYD 24023 | 33.35 0.76 0.00 | 27.91 0.58 0.00 | 23.24 0.41 0.00 | 23.51 0.42 0.00 | 27.59 0.59 0.00 | 25.37 0.59 0.00 | 21.54 0.43 0.00 | 17.92 0.28 0.00 | 21.04 0.30 0.00 | 22.53 0.36 0.00 | 21.29 0.34 0.00 | 25.57 0.38 0.00 | 28.10 0.38 0.00 | 29.51 0.39 0.00 | 29.08 0.46 0.00 | 36.90 0.87 0.00 | 34.19 0.86 0.00 | 37.84 0.36 0.00 | 36.78 -0.30 0.00 | 32.99 -0.29 0.00 | 31.94 0.45 0.00 | 30.25 0.88 0.00 | 25.46 0.81 0.00 | 24.28 0.70 0.00 |
| QUAKERRD_115KV_BK1 80622 | 31.48 -1.10 0.00 | 26.39 -0.94 0.00 | 22.10 -0.73 0.00 | 22.38 -0.71 0.00 | 26.13 -0.86 0.00 | 24.00 -0.78 0.00 | 20.27 -0.83 0.00 | 16.93 -0.71 0.00 | 20.04 -0.70 0.00 | 21.58 -0.59 0.00 | 20.43 -0.52 0.00 | 24.51 -0.68 0.00 | 26.89 -0.83 0.00 | 28.16 -0.96 0.00 | 27.70 -0.93 0.00 | 34.86 -1.17 0.00 | 32.08 -1.25 0.00 | 36.11 -1.37 0.00 | 35.84 -1.24 0.00 | 32.15 -1.12 0.00 | 30.41 -1.08 0.00 | 28.38 -0.99 0.00 | 23.91 -0.74 0.00 | 23.00 -0.58 0.00 |
| QUENSBRY_115KV_TB8 356137 | 33.85 1.26 0.00 | 28.39 1.06 0.00 | 24.17 1.34 0.00 | 24.54 1.45 0.00 | 28.67 1.68 0.00 | 26.28 1.50 0.00 | 22.45 1.34 0.00 | 18.70 1.05 0.00 | 21.90 1.16 0.00 | 23.29 1.12 0.00 | -81.36 0.92 103.23 | 25.62 1.01 0.58 | 28.10 1.05 0.67 | 22.12 0.99 7.99 | 3.97 0.81 25.47 | 33.75 0.80 3.07 | 33.50 1.28 1.10 | 38.96 1.85 0.37 | 39.49 2.41 0.00 | 35.53 2.25 0.00 | 33.64 2.15 0.00 | 31.06 1.69 0.00 | 25.88 1.23 0.00 | 24.58 1.00 0.00 |
| RAMAPO___LBMP 323565 | 34.21 1.63 0.00 | 28.67 1.34 0.00 | 23.76 0.93 0.00 | 23.94 0.85 0.00 | 27.99 1.00 0.00 | 25.69 0.92 0.00 | 22.05 0.95 0.00 | 18.46 0.81 0.00 | 21.74 1.00 0.00 | 23.28 1.10 0.00 | 146.48 1.01 -124.52 | 27.21 1.32 -0.70 | 30.11 1.58 -0.81 | 40.53 1.77 -9.64 | 61.13 1.78 -30.72 | 41.98 2.26 -3.70 | 36.96 2.31 -1.32 | 41.04 3.12 -0.44 | 40.12 3.04 0.00 | 35.90 2.63 0.00 | 33.63 2.14 0.00 | 30.92 1.55 0.00 | 25.82 1.17 0.00 | 24.55 0.97 0.00 |
| RANKINE____ 23646 | 32.19 -0.39 0.00 | 26.97 -0.36 0.00 | 22.63 -0.20 0.00 | 22.97 -0.12 0.00 | 26.79 -0.20 0.00 | 24.57 -0.21 0.00 | 20.54 -0.57 0.00 | 17.13 -0.52 0.00 | 20.46 -0.28 0.00 | 22.19 0.01 0.00 | 21.03 0.08 0.00 | 25.08 -0.11 0.00 | 27.34 -0.37 0.00 | 28.47 -0.65 0.00 | 28.23 -0.39 0.00 | 35.65 -0.37 0.00 | 32.60 -0.73 0.00 | 36.72 -0.76 0.00 | 36.54 -0.54 0.00 | 32.70 -0.57 0.00 | 30.88 -0.61 0.00 | 28.90 -0.46 0.00 | 24.53 -0.12 0.00 | 23.66 0.08 0.00 |
| RAVENSWOOD_GT2_1 24244 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.27 1.18 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.37 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.68 1.50 -0.01 | 164.83 1.34 -142.55 | 27.68 1.69 -0.80 | 30.65 2.01 -0.92 | 42.41 2.26 -11.03 | 66.05 2.26 -35.17 | 43.12 2.86 -4.24 | 37.68 2.84 -1.52 | 41.74 3.75 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.31 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT2_2 24245 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.27 1.18 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.37 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.68 1.50 -0.01 | 164.83 1.34 -142.55 | 27.68 1.69 -0.80 | 30.65 2.01 -0.92 | 42.41 2.26 -11.03 | 66.05 2.26 -35.17 | 43.12 2.86 -4.24 | 37.68 2.84 -1.52 | 41.74 3.75 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.31 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT2_3 24246 | 34.65 2.07 0.00 | 29.03 1.71 0.00 | 24.09 1.26 0.00 | 24.27 1.18 0.00 | 28.34 1.35 0.00 | 26.01 1.23 0.00 | 22.38 1.27 0.00 | 18.78 1.13 0.00 | 22.11 1.37 0.00 | 23.69 1.51 -0.01 | 164.84 1.34 -142.55 | 27.70 1.70 -0.80 | 30.67 2.02 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.14 2.88 -4.24 | 37.70 2.86 -1.52 | 41.76 3.78 -0.51 | 40.74 3.66 0.00 | 36.43 3.15 0.00 | 34.08 2.60 0.00 | 31.31 1.95 0.00 | 26.14 1.50 0.00 | 24.83 1.25 0.00 |

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|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| RAVENSWOOD_GT2_4 24247 | 34.65 2.07 0.00 | 29.03 1.71 0.00 | 24.09 1.26 0.00 | 24.27 1.18 0.00 | 28.34 1.35 0.00 | 26.01 1.23 0.00 | 22.38 1.27 0.00 | 18.78 1.13 0.00 | 22.11 1.37 0.00 | 23.69 1.51 -0.01 | 164.84 1.34 -142.55 | 27.70 1.70 -0.80 | 30.67 2.02 -0.92 | 42.43 2.28 -11.03 | 66.06 2.27 -35.17 | 43.14 2.88 -4.24 | 37.70 2.86 -1.52 | 41.76 3.78 -0.51 | 40.74 3.66 0.00 | 36.43 3.15 0.00 | 34.08 2.60 0.00 | 31.31 1.95 0.00 | 26.14 1.50 0.00 | 24.83 1.25 0.00 |
| RAVENSWOOD_GT3_1 24248 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.27 1.18 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.37 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.68 1.50 -0.01 | 164.83 1.34 -142.55 | 27.68 1.69 -0.80 | 30.65 2.01 -0.92 | 42.41 2.26 -11.03 | 66.05 2.26 -35.17 | 43.12 2.86 -4.24 | 37.68 2.84 -1.52 | 41.74 3.75 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.31 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT3_2 24249 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.27 1.18 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.37 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.68 1.50 -0.01 | 164.83 1.34 -142.55 | 27.68 1.69 -0.80 | 30.65 2.01 -0.92 | 42.41 2.26 -11.03 | 66.05 2.26 -35.17 | 43.12 2.86 -4.24 | 37.68 2.84 -1.52 | 41.74 3.75 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.31 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT3_3 24250 | 34.69 2.10 0.00 | 29.05 1.73 0.00 | 24.11 1.28 0.00 | 24.30 1.21 0.00 | 28.37 1.38 0.00 | 26.04 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.72 1.54 -0.01 | 164.87 1.37 -142.55 | 27.73 1.74 -0.80 | 30.70 2.06 -0.92 | 42.47 2.31 -11.03 | 66.11 2.31 -35.17 | 43.18 2.92 -4.24 | 37.74 2.90 -1.52 | 41.81 3.82 -0.51 | 40.78 3.70 0.00 | 36.47 3.20 0.00 | 34.12 2.64 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.86 1.28 0.00 |
| RAVENSWOOD_GT3_4 24251 | 34.69 2.10 0.00 | 29.05 1.73 0.00 | 24.11 1.28 0.00 | 24.30 1.21 0.00 | 28.37 1.38 0.00 | 26.04 1.26 0.00 | 22.40 1.29 0.00 | 18.79 1.15 0.00 | 22.14 1.40 0.00 | 23.72 1.54 -0.01 | 164.87 1.37 -142.55 | 27.73 1.74 -0.80 | 30.70 2.06 -0.92 | 42.47 2.31 -11.03 | 66.11 2.31 -35.17 | 43.18 2.92 -4.24 | 37.74 2.90 -1.52 | 41.81 3.82 -0.51 | 40.78 3.70 0.00 | 36.47 3.20 0.00 | 34.12 2.64 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.86 1.28 0.00 |
| RAVENSWOOD_GT_1 23729 | 34.80 2.22 0.00 | 29.16 1.83 0.00 | 24.20 1.37 0.00 | 24.36 1.27 0.00 | 28.44 1.44 0.00 | 26.11 1.33 0.00 | 22.45 1.35 0.00 | 18.84 1.20 0.00 | 22.20 1.46 0.00 | 23.78 1.60 -0.01 | 164.92 1.42 -142.55 | 27.81 1.82 -0.81 | 30.79 2.15 -0.93 | 42.57 2.41 -11.04 | 66.20 2.40 -35.17 | 43.29 3.03 -4.24 | 37.83 2.99 -1.52 | 41.90 3.91 -0.51 | 40.90 3.81 0.00 | 36.56 3.29 0.00 | 34.18 2.69 0.00 | 31.40 2.03 0.00 | 26.21 1.56 0.00 | 24.88 1.30 0.00 |
| RAVENSWOOD_GT_10 24258 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.36 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.67 1.50 -0.01 | 164.83 1.33 -142.55 | 27.68 1.69 -0.80 | 30.65 2.01 -0.92 | 42.41 2.25 -11.03 | 66.04 2.25 -35.17 | 43.11 2.85 -4.24 | 37.68 2.84 -1.52 | 41.74 3.75 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.30 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT_11 24259 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.36 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.67 1.50 -0.01 | 164.83 1.33 -142.55 | 27.68 1.69 -0.80 | 30.65 2.01 -0.92 | 42.41 2.25 -11.03 | 66.04 2.25 -35.17 | 43.11 2.85 -4.24 | 37.68 2.84 -1.52 | 41.74 3.75 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.30 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT_4 24252 | 34.62 2.04 0.00 | 29.00 1.68 0.00 | 24.06 1.24 0.00 | 24.25 1.16 0.00 | 28.32 1.33 0.00 | 25.99 1.22 0.00 | 22.36 1.25 0.00 | 18.76 1.11 0.00 | 22.09 1.35 0.00 | 23.66 1.49 -0.01 | 164.82 1.33 -142.55 | 27.67 1.67 -0.80 | 30.63 1.99 -0.92 | 42.40 2.25 -11.03 | 66.03 2.24 -35.16 | 43.10 2.84 -4.24 | 37.66 2.82 -1.52 | 41.73 3.74 -0.51 | 40.70 3.62 0.00 | 36.39 3.12 0.00 | 34.06 2.57 0.00 | 31.29 1.92 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT_5 24254 | 34.62 2.04 0.00 | 29.00 1.68 0.00 | 24.06 1.24 0.00 | 24.25 1.16 0.00 | 28.32 1.33 0.00 | 25.99 1.22 0.00 | 22.36 1.25 0.00 | 18.76 1.11 0.00 | 22.09 1.35 0.00 | 23.66 1.49 -0.01 | 164.82 1.33 -142.55 | 27.67 1.67 -0.80 | 30.63 1.99 -0.92 | 42.40 2.25 -11.03 | 66.03 2.24 -35.16 | 43.10 2.84 -4.24 | 37.66 2.82 -1.52 | 41.73 3.74 -0.51 | 40.70 3.62 0.00 | 36.39 3.12 0.00 | 34.06 2.57 0.00 | 31.29 1.92 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT_6 24253 | 34.62 2.04 0.00 | 29.00 1.68 0.00 | 24.06 1.24 0.00 | 24.25 1.16 0.00 | 28.32 1.33 0.00 | 25.99 1.22 0.00 | 22.36 1.25 0.00 | 18.76 1.11 0.00 | 22.09 1.35 0.00 | 23.66 1.49 -0.01 | 164.82 1.33 -142.55 | 27.67 1.67 -0.80 | 30.63 1.99 -0.92 | 42.40 2.25 -11.03 | 66.03 2.24 -35.16 | 43.10 2.84 -4.24 | 37.66 2.82 -1.52 | 41.73 3.74 -0.51 | 40.70 3.62 0.00 | 36.39 3.12 0.00 | 34.06 2.57 0.00 | 31.29 1.92 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT_7 24255 | 34.62 2.04 0.00 | 29.00 1.68 0.00 | 24.06 1.24 0.00 | 24.25 1.16 0.00 | 28.32 1.33 0.00 | 25.99 1.22 0.00 | 22.36 1.25 0.00 | 18.76 1.11 0.00 | 22.09 1.35 0.00 | 23.66 1.49 -0.01 | 164.82 1.33 -142.55 | 27.67 1.67 -0.80 | 30.63 1.99 -0.92 | 42.40 2.25 -11.03 | 66.03 2.24 -35.16 | 43.10 2.84 -4.24 | 37.66 2.82 -1.52 | 41.73 3.74 -0.51 | 40.70 3.62 0.00 | 36.39 3.12 0.00 | 34.06 2.57 0.00 | 31.29 1.92 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.36 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.67 1.50 -0.01 | 164.83 1.33 -142.55 | 27.68 1.69 -0.80 | 30.65 2.01 -0.92 | 42.41 2.25 -11.03 | 66.04 2.25 -35.17 | 43.11 2.85 -4.24 | 37.68 2.84 -1.52 | 41.74 3.75 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.30 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD_GT_9 24257 | 34.64 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.36 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.67 1.50 -0.01 | 164.83 1.33 -142.55 | 27.68 1.69 -0.80 | 30.65 2.01 -0.92 | 42.41 2.25 -11.03 | 66.04 2.25 -35.17 | 43.11 2.85 -4.24 | 37.68 2.84 -1.52 | 41.74 3.75 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.30 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD___1 23533 | 34.73 2.15 0.00 | 29.10 1.78 0.00 | 24.15 1.32 0.00 | 24.32 1.23 0.00 | 28.38 1.39 0.00 | 26.06 1.28 0.00 | 22.41 1.31 0.00 | 18.81 1.17 0.00 | 22.15 1.42 0.00 | 23.73 1.56 -0.01 | 164.89 1.40 -142.55 | 27.76 1.77 -0.80 | 30.73 2.09 -0.93 | 42.51 2.36 -11.04 | 66.14 2.34 -35.17 | 43.22 2.96 -4.24 | 37.77 2.93 -1.52 | 41.83 3.85 -0.51 | 40.82 3.74 0.00 | 36.50 3.23 0.00 | 34.11 2.63 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |

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|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| RAVENSWOOD___2 23534 | 34.73 2.15 0.00 | 29.10 1.78 0.00 | 24.15 1.32 0.00 | 24.32 1.23 0.00 | 28.38 1.39 0.00 | 26.06 1.28 0.00 | 22.41 1.31 0.00 | 18.81 1.17 0.00 | 22.15 1.42 0.00 | 23.73 1.56 -0.01 | 164.89 1.40 -142.55 | 27.76 1.77 -0.80 | 30.73 2.09 -0.93 | 42.51 2.36 -11.04 | 66.14 2.34 -35.17 | 43.22 2.96 -4.24 | 37.77 2.93 -1.52 | 41.83 3.85 -0.51 | 40.82 3.74 0.00 | 36.50 3.23 0.00 | 34.11 2.63 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |
| RAVENSWOOD___3 23535 | 34.63 2.05 0.00 | 29.02 1.70 0.00 | 24.08 1.25 0.00 | 24.27 1.18 0.00 | 28.33 1.33 0.00 | 26.00 1.22 0.00 | 22.37 1.26 0.00 | 18.77 1.12 0.00 | 22.10 1.36 0.00 | 23.68 1.50 -0.01 | 164.85 1.35 -142.55 | 27.69 1.69 -0.80 | 30.65 2.00 -0.92 | 42.42 2.26 -11.03 | 66.05 2.26 -35.17 | 43.12 2.86 -4.24 | 37.68 2.84 -1.52 | 41.75 3.76 -0.51 | 40.71 3.63 0.00 | 36.41 3.14 0.00 | 34.07 2.58 0.00 | 31.31 1.94 0.00 | 26.13 1.48 0.00 | 24.82 1.23 0.00 |
| RAVENSWOOD___4 23820 | 34.73 2.15 0.00 | 29.10 1.78 0.00 | 24.15 1.32 0.00 | 24.32 1.23 0.00 | 28.38 1.39 0.00 | 26.06 1.28 0.00 | 22.41 1.31 0.00 | 18.81 1.17 0.00 | 22.15 1.42 0.00 | 23.73 1.56 -0.01 | 164.89 1.40 -142.55 | 27.76 1.77 -0.80 | 30.73 2.09 -0.93 | 42.51 2.36 -11.04 | 66.14 2.34 -35.17 | 43.22 2.96 -4.24 | 37.77 2.93 -1.52 | 41.83 3.85 -0.51 | 40.82 3.74 0.00 | 36.50 3.23 0.00 | 34.11 2.63 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |
| RCPI_TRUST___DRP 24196 | 34.65 2.06 0.00 | 29.02 1.70 0.00 | 24.11 1.28 0.00 | 24.29 1.20 0.00 | 28.35 1.36 0.00 | 26.02 1.24 0.00 | 22.39 1.29 0.00 | 18.80 1.15 0.00 | 22.14 1.41 0.00 | 23.74 1.56 -0.01 | 164.89 1.39 -142.54 | 27.74 1.74 -0.80 | 30.70 2.06 -0.92 | 42.47 2.32 -11.03 | 66.11 2.31 -35.17 | 43.19 2.93 -4.24 | 37.75 2.91 -1.52 | 41.85 3.86 -0.51 | 40.78 3.70 0.00 | 36.46 3.18 0.00 | 34.12 2.63 0.00 | 31.34 1.97 0.00 | 26.16 1.51 0.00 | 24.82 1.24 0.00 |
| RED___ROCHESTER 323720 | 32.30 -0.28 0.00 | 27.09 -0.24 0.00 | 22.20 -0.15 0.48 | 22.47 -0.13 0.49 | 26.63 -0.17 0.19 | 24.39 -0.16 0.22 | 20.73 -0.37 0.01 | 17.31 -0.33 0.00 | 20.54 -0.20 0.00 | 22.18 0.00 0.00 | 21.00 0.05 0.00 | 25.20 0.02 0.00 | 27.59 -0.13 0.00 | 28.91 -0.21 0.00 | 28.46 -0.17 0.00 | 35.79 -0.24 0.00 | 32.88 -0.44 0.00 | 36.99 -0.49 0.00 | 36.77 -0.31 0.00 | 32.97 -0.30 0.00 | 31.20 -0.29 0.00 | 29.15 -0.22 0.00 | 24.40 -0.05 0.19 | 23.52 0.08 0.15 |
| REGAN___SOLAR 323812 | 37.01 4.42 0.00 | 30.96 3.63 0.00 | 25.64 2.81 0.00 | 25.79 2.70 0.00 | 30.09 3.09 0.00 | 27.64 2.87 0.00 | 23.29 2.19 0.00 | 18.82 1.17 0.00 | 21.55 0.81 0.00 | 22.95 0.78 0.00 | -35.12 1.12 57.20 | 25.53 0.66 0.32 | 27.92 0.57 0.37 | 25.45 0.75 4.43 | 15.17 0.66 14.11 | 36.57 2.25 1.70 | 35.94 3.22 0.61 | 41.98 4.70 0.20 | 42.16 5.08 0.00 | 38.00 4.72 0.00 | 35.92 4.43 0.00 | 33.57 4.20 0.00 | 28.20 3.55 0.00 | 26.95 3.36 0.00 |
| RENSSELAER___COGEN 23796 | 32.75 0.16 0.00 | 27.53 0.20 0.00 | 23.30 0.47 0.00 | 23.73 0.64 0.00 | 27.63 0.63 0.00 | 25.25 0.47 0.00 | 21.52 0.42 0.00 | 17.95 0.31 0.00 | 20.97 0.23 0.00 | 22.18 0.01 0.00 | -76.78 0.04 97.77 | 24.63 -0.01 0.55 | 27.05 -0.03 0.63 | 21.59 0.04 7.57 | 4.61 0.11 24.12 | 33.25 0.13 2.91 | 32.57 0.29 1.04 | 37.82 0.68 0.35 | 37.92 0.85 0.00 | 34.11 0.84 0.00 | 32.28 0.79 0.00 | 29.80 0.43 0.00 | 24.85 0.20 0.00 | 23.64 0.05 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 35.29 2.71 0.00 | 29.54 2.21 0.00 | 25.08 2.25 0.00 | 25.46 2.37 0.00 | 29.78 2.79 0.00 | 27.27 2.50 0.00 | 23.27 2.17 0.00 | 19.35 1.71 0.00 | 22.66 1.92 0.00 | 24.14 1.97 0.00 | -81.73 1.73 104.42 | 26.41 1.81 0.59 | 28.91 1.87 0.68 | 22.97 1.93 8.08 | 4.75 1.89 25.76 | 35.21 2.28 3.11 | 34.94 2.72 1.11 | 40.76 3.65 0.37 | 41.33 4.25 0.00 | 37.05 3.78 0.00 | 35.10 3.61 0.00 | 32.41 3.04 0.00 | 26.95 2.30 0.00 | 25.54 1.96 0.00 |
| REVERE_CPPR_DRP 24186 | 33.73 1.15 0.00 | 28.24 0.91 0.00 | 23.58 0.75 0.00 | 23.85 0.77 0.00 | 27.89 0.89 0.00 | 25.57 0.79 0.00 | 21.75 0.65 0.00 | 18.09 0.45 0.00 | 21.25 0.51 0.00 | 22.68 0.51 0.00 | 21.46 0.50 0.00 | 25.72 0.53 0.00 | 28.34 0.62 0.00 | 29.78 0.66 0.00 | 29.49 0.87 0.00 | 37.36 1.34 0.00 | 34.74 1.41 0.00 | 39.26 1.78 0.00 | 38.80 1.72 0.00 | 34.79 1.52 0.00 | 32.91 1.43 0.00 | 30.61 1.24 0.00 | 25.62 0.97 0.00 | 24.47 0.89 0.00 |
| REYNOLDS_115KV_TB3 80639 | 32.95 0.37 0.00 | 27.71 0.38 0.00 | 23.34 0.51 0.00 | 23.70 0.61 0.00 | 27.64 0.65 0.00 | 25.30 0.52 0.00 | 21.57 0.47 0.00 | 18.02 0.37 0.00 | 21.05 0.31 0.00 | 22.32 0.15 0.00 | -95.07 0.15 116.17 | 24.70 0.16 0.65 | 27.11 0.14 0.75 | 20.35 0.22 8.99 | 0.24 0.27 28.66 | 32.89 0.32 3.45 | 32.54 0.45 1.24 | 37.95 0.89 0.41 | 38.15 1.07 0.00 | 34.33 1.06 0.00 | 32.50 1.01 0.00 | 29.98 0.61 0.00 | 24.99 0.34 0.00 | 23.77 0.19 0.00 |
| RIVERBAY___ 323610 | 34.89 2.30 0.00 | 29.24 1.92 0.00 | 24.28 1.45 0.00 | 24.40 1.31 0.00 | 28.45 1.45 0.00 | 26.13 1.35 0.00 | 22.46 1.36 0.00 | 18.82 1.18 0.00 | 22.14 1.40 0.00 | 23.70 1.52 -0.01 | 164.90 1.40 -142.55 | 27.81 1.81 -0.81 | 30.76 2.12 -0.93 | 42.53 2.37 -11.04 | 66.21 2.41 -35.17 | 43.34 3.08 -4.24 | 37.85 3.01 -1.52 | 41.97 3.98 -0.51 | 40.97 3.89 0.00 | 36.61 3.34 0.00 | 34.30 2.81 0.00 | 31.59 2.22 0.00 | 26.37 1.72 0.00 | 25.03 1.45 0.00 |
| RIVERSDE_115KV_TB3 55908 | 32.88 0.29 0.00 | 27.63 0.31 0.00 | 23.35 0.52 0.00 | 23.75 0.66 0.00 | 27.67 0.67 0.00 | 25.30 0.52 0.00 | 21.57 0.47 0.00 | 18.00 0.35 0.00 | 21.03 0.29 0.00 | 22.26 0.09 0.00 | -86.20 0.11 107.26 | 24.68 0.09 0.60 | 27.10 0.07 0.70 | 20.98 0.16 8.30 | 2.39 0.22 26.46 | 33.10 0.27 3.19 | 32.60 0.42 1.14 | 37.93 0.83 0.38 | 38.09 1.00 0.00 | 34.26 0.99 0.00 | 32.42 0.93 0.00 | 29.92 0.55 0.00 | 24.94 0.30 0.00 | 23.72 0.14 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 32.43 -0.15 0.00 | 27.22 -0.11 0.00 | 22.73 -0.10 0.00 | 22.98 -0.11 0.00 | 26.91 -0.08 0.00 | 24.71 -0.06 0.00 | 21.04 -0.07 0.00 | 17.59 -0.06 0.00 | 20.68 -0.06 0.00 | 22.14 -0.03 0.00 | 20.92 -0.03 0.00 | 25.16 -0.04 0.00 | 27.65 -0.07 0.00 | 29.05 -0.07 0.00 | 28.57 -0.05 0.00 | 35.91 -0.11 0.00 | 33.14 -0.19 0.00 | 37.15 -0.33 0.00 | 36.55 -0.53 0.00 | 32.75 -0.52 0.00 | 30.93 -0.56 0.00 | 28.93 -0.44 0.00 | 24.35 -0.30 0.00 | 23.43 -0.15 0.00 |
| ROCHESRG_115KV_T4 355643 | 32.00 -0.58 0.00 | 26.84 -0.48 0.00 | 22.49 -0.34 0.00 | 22.78 -0.31 0.00 | 26.58 -0.41 0.00 | 24.43 -0.35 0.00 | 20.58 -0.52 0.00 | 17.19 -0.46 0.00 | 20.38 -0.36 0.00 | 21.99 -0.18 0.00 | 20.82 -0.13 0.00 | 24.95 -0.24 0.00 | 27.32 -0.40 0.00 | 28.60 -0.53 0.00 | 28.14 -0.48 0.00 | 35.43 -0.60 0.00 | 32.55 -0.78 0.00 | 36.64 -0.84 0.00 | 36.39 -0.69 0.00 | 32.62 -0.65 0.00 | 30.86 -0.63 0.00 | 28.83 -0.54 0.00 | 24.34 -0.31 0.00 | 23.44 -0.15 0.00 |
| ROCHESTER_9_IC 23652 | 32.17 -0.42 0.00 | 26.97 -0.36 0.00 | 22.60 -0.23 0.00 | 22.89 -0.20 0.00 | 26.71 -0.29 0.00 | 24.53 -0.25 0.00 | 20.67 -0.43 0.00 | 17.26 -0.38 0.00 | 20.47 -0.27 0.00 | 22.09 -0.08 0.00 | 20.93 -0.02 0.00 | 25.09 -0.10 0.00 | 27.47 -0.25 0.00 | 28.77 -0.36 0.00 | 28.31 -0.32 0.00 | 35.63 -0.39 0.00 | 32.74 -0.58 0.00 | 36.83 -0.65 0.00 | 36.60 -0.48 0.00 | 32.82 -0.46 0.00 | 31.05 -0.44 0.00 | 29.01 -0.36 0.00 | 24.49 -0.16 0.00 | 23.57 -0.02 0.00 |

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| ROCKVIEW_13_KV_LD 356306 | 34.68 2.09 0.00 | 29.04 1.71 0.00 | 24.08 1.25 0.00 | 24.26 1.17 0.00 | 28.34 1.35 0.00 | 26.01 1.23 0.00 | 22.35 1.25 0.00 | 18.74 1.10 0.00 | 22.07 1.33 0.00 | 23.63 1.45 -0.01 | 164.78 1.29 -142.54 | 27.63 1.64 -0.80 | 30.61 1.96 -0.92 | 42.37 2.21 -11.03 | 66.01 2.21 -35.17 | 43.11 2.85 -4.24 | 37.67 2.83 -1.52 | 41.70 3.71 -0.51 | 40.71 3.63 0.00 | 36.42 3.15 0.00 | 34.09 2.60 0.00 | 31.32 1.95 0.00 | 26.12 1.48 0.00 | 24.82 1.24 0.00 |
| ROME____115KV_TB2 80656 | 33.73 1.15 0.00 | 28.24 0.91 0.00 | 23.58 0.75 0.00 | 23.85 0.77 0.00 | 27.89 0.89 0.00 | 25.57 0.79 0.00 | 21.75 0.65 0.00 | 18.09 0.45 0.00 | 21.25 0.51 0.00 | 22.68 0.51 0.00 | 21.46 0.50 0.00 | 25.72 0.53 0.00 | 28.34 0.62 0.00 | 29.78 0.66 0.00 | 29.49 0.87 0.00 | 37.36 1.34 0.00 | 34.74 1.41 0.00 | 39.26 1.78 0.00 | 38.80 1.72 0.00 | 34.79 1.52 0.00 | 32.91 1.43 0.00 | 30.61 1.24 0.00 | 25.62 0.97 0.00 | 24.47 0.89 0.00 |
| ROSETON___1 23587 | 34.04 1.46 0.00 | 28.54 1.21 0.00 | 23.70 0.87 0.00 | 23.91 0.82 0.00 | 27.94 0.95 0.00 | 25.64 0.87 0.00 | 22.00 0.90 0.00 | 18.43 0.79 0.00 | 21.67 0.93 0.00 | 23.17 0.99 0.00 | 150.07 0.88 -128.23 | 27.05 1.14 -0.72 | 29.91 1.37 -0.83 | 40.60 1.56 -9.92 | 61.82 1.56 -31.64 | 41.83 1.99 -3.81 | 36.74 2.05 -1.36 | 40.73 2.80 -0.46 | 39.85 2.77 0.00 | 35.70 2.43 0.00 | 33.46 1.98 0.00 | 30.79 1.42 0.00 | 25.69 1.05 0.00 | 24.42 0.84 0.00 |
| ROSETON___2 23588 | 34.04 1.46 0.00 | 28.54 1.21 0.00 | 23.70 0.87 0.00 | 23.91 0.82 0.00 | 27.94 0.95 0.00 | 25.64 0.87 0.00 | 22.00 0.90 0.00 | 18.43 0.79 0.00 | 21.67 0.93 0.00 | 23.17 0.99 0.00 | 150.07 0.88 -128.23 | 27.05 1.14 -0.72 | 29.91 1.37 -0.83 | 40.60 1.56 -9.92 | 61.82 1.56 -31.64 | 41.83 1.99 -3.81 | 36.74 2.05 -1.36 | 40.73 2.80 -0.46 | 39.85 2.77 0.00 | 35.70 2.43 0.00 | 33.46 1.98 0.00 | 30.79 1.42 0.00 | 25.69 1.05 0.00 | 24.42 0.84 0.00 |
| ROTTDRAM_115KV_TB3 80664 | 33.34 0.76 0.00 | 27.96 0.64 0.00 | 23.41 0.58 0.00 | 23.70 0.60 0.00 | 27.68 0.69 0.00 | 25.39 0.62 0.00 | 21.65 0.56 0.00 | 18.09 0.45 0.00 | 21.20 0.46 0.00 | 22.60 0.43 0.00 | -62.03 0.38 83.36 | 25.16 0.44 0.47 | 27.67 0.49 0.54 | 23.23 0.55 6.45 | 8.61 0.55 20.57 | 34.25 0.71 2.48 | 33.29 0.85 0.89 | 38.45 1.26 0.30 | 38.49 1.42 0.00 | 34.58 1.31 0.00 | 32.71 1.22 0.00 | 30.27 0.90 0.00 | 25.29 0.64 0.00 | 24.10 0.52 0.00 |
| RUSSELL___1 23602 | 32.29 -0.29 0.00 | 27.07 -0.25 0.00 | 22.67 -0.15 0.00 | 22.96 -0.13 0.00 | 26.80 -0.20 0.00 | 24.62 -0.16 0.00 | 20.73 -0.37 0.00 | 17.31 -0.33 0.00 | 20.53 -0.21 0.00 | 22.17 0.00 0.00 | 21.01 0.06 0.00 | 25.20 0.02 0.00 | 27.59 -0.13 0.00 | 28.90 -0.22 0.00 | 28.44 -0.18 0.00 | 35.78 -0.25 0.00 | 32.88 -0.44 0.00 | 36.99 -0.49 0.00 | 36.77 -0.31 0.00 | 32.97 -0.30 0.00 | 31.19 -0.29 0.00 | 29.15 -0.22 0.00 | 24.59 -0.05 0.00 | 23.66 0.08 0.00 |
| RUSSELL___2 23532 | 32.29 -0.29 0.00 | 27.07 -0.25 0.00 | 22.67 -0.15 0.00 | 22.96 -0.13 0.00 | 26.80 -0.20 0.00 | 24.62 -0.16 0.00 | 20.73 -0.37 0.00 | 17.31 -0.33 0.00 | 20.53 -0.21 0.00 | 22.17 0.00 0.00 | 21.01 0.06 0.00 | 25.20 0.02 0.00 | 27.59 -0.13 0.00 | 28.90 -0.22 0.00 | 28.44 -0.18 0.00 | 35.78 -0.25 0.00 | 32.88 -0.44 0.00 | 36.99 -0.49 0.00 | 36.77 -0.31 0.00 | 32.97 -0.30 0.00 | 31.19 -0.29 0.00 | 29.15 -0.22 0.00 | 24.59 -0.05 0.00 | 23.66 0.08 0.00 |
| RUSSELL___3 23549 | 32.29 -0.29 0.00 | 27.07 -0.25 0.00 | 22.67 -0.15 0.00 | 22.96 -0.13 0.00 | 26.80 -0.20 0.00 | 24.62 -0.16 0.00 | 20.73 -0.37 0.00 | 17.31 -0.33 0.00 | 20.53 -0.21 0.00 | 22.17 0.00 0.00 | 21.01 0.06 0.00 | 25.20 0.02 0.00 | 27.59 -0.13 0.00 | 28.90 -0.22 0.00 | 28.44 -0.18 0.00 | 35.78 -0.25 0.00 | 32.88 -0.44 0.00 | 36.99 -0.49 0.00 | 36.77 -0.31 0.00 | 32.97 -0.30 0.00 | 31.19 -0.29 0.00 | 29.15 -0.22 0.00 | 24.59 -0.05 0.00 | 23.66 0.08 0.00 |
| RUSSELL___4 23556 | 32.29 -0.29 0.00 | 27.07 -0.25 0.00 | 22.67 -0.15 0.00 | 22.96 -0.13 0.00 | 26.80 -0.20 0.00 | 24.62 -0.16 0.00 | 20.73 -0.37 0.00 | 17.31 -0.33 0.00 | 20.53 -0.21 0.00 | 22.17 0.00 0.00 | 21.01 0.06 0.00 | 25.20 0.02 0.00 | 27.59 -0.13 0.00 | 28.90 -0.22 0.00 | 28.44 -0.18 0.00 | 35.78 -0.25 0.00 | 32.88 -0.44 0.00 | 36.99 -0.49 0.00 | 36.77 -0.31 0.00 | 32.97 -0.30 0.00 | 31.19 -0.29 0.00 | 29.15 -0.22 0.00 | 24.59 -0.05 0.00 | 23.66 0.08 0.00 |
| RUSSELL___STATION 23914 | 32.29 -0.29 0.00 | 27.07 -0.25 0.00 | 22.67 -0.15 0.00 | 22.96 -0.13 0.00 | 26.80 -0.20 0.00 | 24.62 -0.16 0.00 | 20.73 -0.37 0.00 | 17.31 -0.33 0.00 | 20.53 -0.21 0.00 | 22.17 0.00 0.00 | 21.01 0.06 0.00 | 25.20 0.02 0.00 | 27.59 -0.13 0.00 | 28.90 -0.22 0.00 | 28.44 -0.18 0.00 | 35.78 -0.25 0.00 | 32.88 -0.44 0.00 | 36.99 -0.49 0.00 | 36.77 -0.31 0.00 | 32.97 -0.30 0.00 | 31.19 -0.29 0.00 | 29.15 -0.22 0.00 | 24.59 -0.05 0.00 | 23.66 0.08 0.00 |
| S SALMON___HYD 24043 | 32.58 0.00 0.00 | 27.29 -0.04 0.00 | 22.84 0.01 0.00 | 23.11 0.02 0.00 | 27.03 0.04 0.00 | 24.79 0.02 0.00 | 21.06 -0.04 0.00 | 17.53 -0.11 0.00 | 20.60 -0.14 0.00 | 21.99 -0.18 0.00 | 20.87 -0.08 0.00 | 24.95 -0.24 0.00 | 27.50 -0.22 0.00 | 28.83 -0.29 0.00 | 28.47 -0.15 0.00 | 36.01 -0.01 0.00 | 33.24 -0.08 0.00 | 37.37 -0.11 0.00 | 37.09 0.01 0.00 | 33.33 0.06 0.00 | 31.60 0.12 0.00 | 29.46 0.09 0.00 | 24.74 0.09 0.00 | 23.68 0.10 0.00 |
| S.PERRY__115KV_TB1 80734 | 33.29 0.71 0.00 | 27.81 0.49 0.00 | 23.27 0.44 0.00 | 23.58 0.49 0.00 | 27.51 0.52 0.00 | 25.22 0.44 0.00 | 21.19 0.08 0.00 | 17.53 -0.11 0.00 | 20.69 -0.05 0.00 | 22.38 0.21 0.00 | 21.22 0.26 0.00 | 25.38 0.18 0.00 | 27.84 0.12 0.00 | 29.12 0.00 0.00 | 28.80 0.17 0.00 | 36.34 0.32 0.00 | 33.75 0.42 0.00 | 37.94 0.46 0.00 | 37.38 0.30 0.00 | 33.77 0.50 0.00 | 32.15 0.66 0.00 | 30.05 0.68 0.00 | 25.31 0.66 0.00 | 24.28 0.69 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 31.79 -0.80 0.00 | 26.66 -0.66 0.00 | 22.38 -0.44 0.00 | 22.72 -0.37 0.00 | 26.49 -0.51 0.00 | 24.33 -0.45 0.00 | 20.33 -0.77 0.00 | 16.96 -0.68 0.00 | 20.26 -0.48 0.00 | 21.96 -0.22 0.00 | 20.79 -0.16 0.00 | 24.80 -0.39 0.00 | 27.03 -0.69 0.00 | 28.18 -0.94 0.00 | 27.88 -0.74 0.00 | 35.20 -0.82 0.00 | 32.15 -1.18 0.00 | 36.19 -1.29 0.00 | 35.99 -1.09 0.00 | 32.22 -1.05 0.00 | 30.45 -1.04 0.00 | 28.54 -0.83 0.00 | 24.25 -0.40 0.00 | 23.42 -0.16 0.00 |
| SAWYER___23_KV_LOAD 55526 | 31.79 -0.80 0.00 | 26.66 -0.66 0.00 | 22.38 -0.44 0.00 | 22.72 -0.37 0.00 | 26.49 -0.51 0.00 | 24.33 -0.45 0.00 | 20.33 -0.77 0.00 | 16.96 -0.68 0.00 | 20.26 -0.48 0.00 | 21.96 -0.22 0.00 | 20.79 -0.16 0.00 | 24.80 -0.39 0.00 | 27.03 -0.69 0.00 | 28.18 -0.94 0.00 | 27.88 -0.74 0.00 | 35.20 -0.82 0.00 | 32.15 -1.18 0.00 | 36.19 -1.29 0.00 | 35.99 -1.09 0.00 | 32.22 -1.05 0.00 | 30.45 -1.04 0.00 | 28.54 -0.83 0.00 | 24.25 -0.40 0.00 | 23.42 -0.16 0.00 |
| SELKIRK___I 23801 | 33.09 0.50 0.00 | 27.79 0.46 0.00 | 23.42 0.59 0.00 | 23.81 0.72 0.00 | 27.76 0.76 0.00 | 25.40 0.62 0.00 | 21.62 0.52 0.00 | 18.00 0.35 0.00 | 21.00 0.27 0.00 | 22.24 0.07 0.00 | -40.64 0.15 61.74 | 24.98 0.14 0.35 | 27.32 0.00 0.40 | 24.38 0.04 4.78 | 13.68 0.29 15.23 | 34.53 0.34 1.84 | 33.14 0.47 0.66 | 38.11 0.85 0.22 | 38.13 1.05 0.00 | 34.32 1.05 0.00 | 32.53 1.04 0.00 | 30.08 0.71 0.00 | 25.10 0.44 0.00 | 23.90 0.31 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SELKIRK___II 23799 | 32.93 0.34 0.00 | 27.65 0.33 0.00 | 23.29 0.46 0.00 | 23.66 0.57 0.00 | 27.58 0.58 0.00 | 25.25 0.47 0.00 | 21.53 0.43 0.00 | 17.97 0.33 0.00 | 21.02 0.28 0.00 | 22.29 0.13 0.00 | -52.69 0.13 73.78 | 24.92 0.15 0.42 | 27.38 0.14 0.48 | 23.62 0.21 5.71 | 10.70 0.28 18.20 | 34.17 0.34 2.19 | 33.01 0.47 0.79 | 38.08 0.86 0.26 | 38.08 1.00 0.00 | 34.23 0.96 0.00 | 32.38 0.90 0.00 | 29.92 0.55 0.00 | 24.97 0.32 0.00 | 23.77 0.19 0.00 |
| SENECA OSWGO___HYD 24041 | 32.08 -0.51 0.00 | 26.88 -0.45 0.00 | 22.52 -0.31 0.00 | 22.79 -0.30 0.00 | 26.63 -0.37 0.00 | 24.42 -0.35 0.00 | 20.76 -0.34 0.00 | 17.34 -0.31 0.00 | 20.39 -0.35 0.00 | 21.81 -0.36 0.00 | 20.63 -0.32 0.00 | 24.77 -0.42 0.00 | 27.28 -0.44 0.00 | 28.62 -0.50 0.00 | 28.11 -0.51 0.00 | 35.36 -0.66 0.00 | 32.73 -0.59 0.00 | 36.89 -0.59 0.00 | 36.56 -0.52 0.00 | 32.78 -0.49 0.00 | 31.00 -0.49 0.00 | 28.83 -0.54 0.00 | 24.18 -0.47 0.00 | 23.27 -0.32 0.00 |
| SENECA___115KV_TB3 355854 | 32.24 -0.34 0.00 | 27.00 -0.32 0.00 | 22.66 -0.17 0.00 | 23.00 -0.09 0.00 | 26.82 -0.17 0.00 | 24.61 -0.17 0.00 | 20.56 -0.54 0.00 | 17.15 -0.50 0.00 | 20.49 -0.25 0.00 | 22.22 0.05 0.00 | 21.06 0.11 0.00 | 25.12 -0.08 0.00 | 27.39 -0.33 0.00 | 28.52 -0.60 0.00 | 28.28 -0.35 0.00 | 35.70 -0.32 0.00 | 32.64 -0.69 0.00 | 36.78 -0.70 0.00 | 36.58 -0.50 0.00 | 32.75 -0.52 0.00 | 30.92 -0.57 0.00 | 28.95 -0.42 0.00 | 24.57 -0.08 0.00 | 23.69 0.11 0.00 |
| SENECA___ENERGY 23797 | 32.41 -0.17 0.00 | 27.09 -0.23 0.00 | 22.67 -0.16 0.00 | 22.92 -0.17 0.00 | 26.82 -0.17 0.00 | 24.58 -0.19 0.00 | 20.84 -0.26 0.00 | 17.39 -0.25 0.00 | 20.51 -0.23 0.00 | 21.96 -0.21 0.00 | 20.78 -0.18 0.00 | 24.98 -0.22 0.00 | 27.43 -0.28 0.00 | 28.84 -0.28 0.00 | 28.38 -0.24 0.00 | 35.78 -0.24 0.00 | 33.07 -0.25 0.00 | 37.29 -0.18 0.00 | 37.03 -0.06 0.00 | 33.19 -0.08 0.00 | 31.37 -0.12 0.00 | 29.19 -0.17 0.00 | 24.53 -0.11 0.00 | 23.55 -0.03 0.00 |
| SHOEMAKER___GT 23640 | 33.89 1.31 0.00 | 28.39 1.07 0.00 | 23.59 0.76 0.00 | 23.80 0.71 0.00 | 27.81 0.82 0.00 | 25.53 0.75 0.00 | 21.86 0.76 0.00 | 18.30 0.65 0.00 | 21.50 0.76 0.00 | 22.98 0.80 0.00 | 132.30 0.71 -110.64 | 26.75 0.93 -0.62 | 29.57 1.14 -0.72 | 38.94 1.26 -8.56 | 57.19 1.26 -27.30 | 40.97 1.66 -3.29 | 36.25 1.75 -1.18 | 40.29 2.42 -0.39 | 39.51 2.43 0.00 | 35.40 2.13 0.00 | 33.25 1.76 0.00 | 30.66 1.29 0.00 | 25.62 0.97 0.00 | 24.38 0.79 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 33.89 1.31 0.00 | 28.40 1.07 0.00 | 23.59 0.76 0.00 | 23.80 0.71 0.00 | 27.81 0.82 0.00 | 25.52 0.74 0.00 | 21.86 0.76 0.00 | 18.30 0.65 0.00 | 21.51 0.77 0.00 | 22.99 0.82 0.00 | 130.72 0.73 -109.04 | 26.77 0.96 -0.61 | 29.60 1.17 -0.71 | 38.86 1.30 -8.44 | 56.84 1.31 -26.90 | 40.97 1.71 -3.24 | 36.27 1.79 -1.16 | 40.33 2.46 -0.39 | 39.53 2.45 0.00 | 35.41 2.14 0.00 | 33.25 1.76 0.00 | 30.65 1.28 0.00 | 25.61 0.96 0.00 | 24.37 0.79 0.00 |
| SHOREHAM_IC_1 23715 | 34.44 1.86 0.00 | 29.19 1.86 0.00 | 24.18 1.35 0.00 | 24.25 1.16 0.00 | 28.45 1.45 0.00 | 26.13 1.35 0.00 | 22.37 1.27 0.00 | 18.81 1.16 0.00 | 21.96 1.22 0.00 | 23.53 1.36 -0.01 | 164.69 1.17 -142.57 | 27.37 1.37 -0.80 | 30.82 2.18 -0.92 | 43.18 2.72 -11.34 | 66.24 2.44 -35.17 | 42.65 3.05 -3.58 | 38.81 3.36 -2.13 | 54.54 4.59 -12.47 | 55.82 4.40 -14.34 | 41.90 3.95 -4.68 | 37.29 3.43 -2.37 | 32.45 2.75 -0.34 | 26.57 1.92 0.00 | 25.25 1.66 0.00 |
| SHOREHAM_IC_2 23716 | 34.44 1.86 0.00 | 29.19 1.86 0.00 | 24.18 1.35 0.00 | 24.25 1.16 0.00 | 28.45 1.45 0.00 | 26.13 1.35 0.00 | 22.37 1.27 0.00 | 18.81 1.16 0.00 | 21.96 1.22 0.00 | 23.53 1.36 -0.01 | 164.69 1.17 -142.57 | 27.37 1.37 -0.80 | 30.82 2.18 -0.92 | 43.18 2.72 -11.34 | 66.24 2.44 -35.17 | 42.65 3.05 -3.58 | 38.81 3.36 -2.13 | 54.54 4.59 -12.47 | 55.82 4.40 -14.34 | 41.90 3.95 -4.68 | 37.29 3.43 -2.37 | 32.45 2.75 -0.34 | 26.57 1.92 0.00 | 25.25 1.66 0.00 |
| SISSONVILLE____ 23735 | 32.99 0.41 0.00 | 27.63 0.30 0.00 | 23.01 0.18 0.00 | 23.28 0.19 0.00 | 27.30 0.30 0.00 | 25.10 0.32 0.00 | 21.32 0.22 0.00 | 17.79 0.15 0.00 | 20.91 0.17 0.00 | 22.42 0.24 0.00 | 21.20 0.25 0.00 | 25.46 0.27 0.00 | 27.97 0.25 0.00 | 29.38 0.26 0.00 | 28.96 0.33 0.00 | 36.65 0.63 0.00 | 33.81 0.48 0.00 | 37.53 0.05 0.00 | 36.40 -0.68 0.00 | 32.67 -0.60 0.00 | 31.59 0.10 0.00 | 29.87 0.50 0.00 | 25.14 0.49 0.00 | 23.99 0.41 0.00 |
| SITHE_IND_GS1 24169 | 31.73 -0.85 0.00 | 26.61 -0.71 0.00 | 22.30 -0.53 0.00 | 22.57 -0.52 0.00 | 26.38 -0.61 0.00 | 24.20 -0.58 0.00 | 20.57 -0.53 0.00 | 17.19 -0.46 0.00 | 20.23 -0.51 0.00 | 21.65 -0.52 0.00 | 20.47 -0.49 0.00 | 24.59 -0.61 0.00 | 27.04 -0.67 0.00 | 28.35 -0.77 0.00 | 27.76 -0.87 0.00 | 34.83 -1.19 0.00 | 32.26 -1.07 0.00 | 36.34 -1.14 0.00 | 36.02 -1.06 0.00 | 32.32 -0.96 0.00 | 30.57 -0.92 0.00 | 28.44 -0.93 0.00 | 23.89 -0.76 0.00 | 23.02 -0.57 0.00 |
| SITHE_IND_GS2 24170 | 31.73 -0.85 0.00 | 26.61 -0.71 0.00 | 22.30 -0.53 0.00 | 22.57 -0.52 0.00 | 26.38 -0.61 0.00 | 24.20 -0.58 0.00 | 20.57 -0.53 0.00 | 17.19 -0.46 0.00 | 20.23 -0.51 0.00 | 21.65 -0.52 0.00 | 20.47 -0.49 0.00 | 24.59 -0.61 0.00 | 27.04 -0.67 0.00 | 28.35 -0.77 0.00 | 27.76 -0.87 0.00 | 34.83 -1.19 0.00 | 32.26 -1.07 0.00 | 36.34 -1.14 0.00 | 36.02 -1.06 0.00 | 32.32 -0.96 0.00 | 30.57 -0.92 0.00 | 28.44 -0.93 0.00 | 23.89 -0.76 0.00 | 23.02 -0.57 0.00 |
| SITHE_IND_GS3 24171 | 31.73 -0.85 0.00 | 26.61 -0.71 0.00 | 22.30 -0.53 0.00 | 22.57 -0.52 0.00 | 26.38 -0.61 0.00 | 24.20 -0.58 0.00 | 20.57 -0.53 0.00 | 17.19 -0.46 0.00 | 20.23 -0.51 0.00 | 21.65 -0.52 0.00 | 20.47 -0.49 0.00 | 24.59 -0.61 0.00 | 27.04 -0.67 0.00 | 28.35 -0.77 0.00 | 27.76 -0.87 0.00 | 34.83 -1.19 0.00 | 32.26 -1.07 0.00 | 36.34 -1.14 0.00 | 36.02 -1.06 0.00 | 32.32 -0.96 0.00 | 30.57 -0.92 0.00 | 28.44 -0.93 0.00 | 23.89 -0.76 0.00 | 23.02 -0.57 0.00 |
| SITHE_IND_GS4 24172 | 31.73 -0.85 0.00 | 26.61 -0.71 0.00 | 22.30 -0.53 0.00 | 22.57 -0.52 0.00 | 26.38 -0.61 0.00 | 24.20 -0.58 0.00 | 20.57 -0.53 0.00 | 17.19 -0.46 0.00 | 20.23 -0.51 0.00 | 21.65 -0.52 0.00 | 20.47 -0.49 0.00 | 24.59 -0.61 0.00 | 27.04 -0.67 0.00 | 28.35 -0.77 0.00 | 27.76 -0.87 0.00 | 34.83 -1.19 0.00 | 32.26 -1.07 0.00 | 36.34 -1.14 0.00 | 36.02 -1.06 0.00 | 32.32 -0.96 0.00 | 30.57 -0.92 0.00 | 28.44 -0.93 0.00 | 23.89 -0.76 0.00 | 23.02 -0.57 0.00 |
| SITHE___BATAVIA 24024 | 32.46 -0.12 0.00 | 27.22 -0.11 0.00 | 22.06 -0.03 0.74 | 22.34 0.02 0.76 | 26.70 0.00 0.30 | 24.42 -0.01 0.35 | 20.75 -0.34 0.01 | 17.30 -0.34 0.00 | 20.57 -0.17 0.00 | 22.27 0.09 0.00 | 21.11 0.15 0.00 | 25.31 0.12 0.00 | 27.68 -0.03 0.00 | 28.99 -0.13 0.00 | 28.63 0.01 0.00 | 35.94 -0.08 0.00 | 32.92 -0.41 0.00 | 36.82 -0.66 0.00 | 36.78 -0.30 0.00 | 33.01 -0.26 0.00 | 31.26 -0.22 0.00 | 29.29 -0.08 0.00 | 24.49 0.15 0.30 | 23.65 0.30 0.23 |
| SITHE___INDEPEND 23800 | 31.73 -0.85 0.00 | 26.61 -0.71 0.00 | 22.30 -0.53 0.00 | 22.57 -0.52 0.00 | 26.38 -0.62 0.00 | 24.20 -0.58 0.00 | 20.57 -0.53 0.00 | 17.19 -0.46 0.00 | 20.23 -0.51 0.00 | 21.65 -0.53 0.00 | 20.47 -0.48 0.00 | 24.59 -0.61 0.00 | 27.04 -0.68 0.00 | 28.34 -0.78 0.00 | 27.75 -0.87 0.00 | 34.83 -1.19 0.00 | 32.25 -1.07 0.00 | 36.34 -1.14 0.00 | 36.02 -1.06 0.00 | 32.32 -0.96 0.00 | 30.57 -0.92 0.00 | 28.45 -0.92 0.00 | 23.89 -0.76 0.00 | 23.01 -0.57 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|---------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SITHE___MASSENA 23902 | 32.73 0.15 0.00 | 27.44 0.11 0.00 | 22.86 0.03 0.00 | 23.12 0.03 0.00 | 27.10 0.11 0.00 | 24.92 0.14 0.00 | 21.18 0.08 0.00 | 17.70 0.06 0.00 | 20.83 0.09 0.00 | 22.33 0.16 0.00 | 21.12 0.17 0.00 | 25.38 0.19 0.00 | 27.88 0.17 0.00 | 29.29 0.16 0.00 | 28.82 0.19 0.00 | 36.37 0.34 0.00 | 33.51 0.18 0.00 | 37.19 -0.29 0.00 | 36.15 -0.93 0.00 | 32.43 -0.84 0.00 | 31.25 -0.24 0.00 | 29.54 0.17 0.00 | 24.87 0.22 0.00 | 23.77 0.19 0.00 |
| SITHE___OGDNSBRG 24021 | 33.24 0.66 0.00 | 27.84 0.51 0.00 | 23.18 0.35 0.00 | 23.44 0.35 0.00 | 27.50 0.51 0.00 | 25.29 0.52 0.00 | 21.47 0.37 0.00 | 17.85 0.20 0.00 | 20.96 0.22 0.00 | 22.47 0.30 0.00 | 21.24 0.28 0.00 | 25.51 0.32 0.00 | 28.03 0.31 0.00 | 29.44 0.32 0.00 | 28.99 0.37 0.00 | 36.75 0.73 0.00 | 34.07 0.74 0.00 | 37.69 0.20 0.00 | 36.64 -0.44 0.00 | 32.86 -0.41 0.00 | 31.79 0.30 0.00 | 30.13 0.76 0.00 | 25.36 0.71 0.00 | 24.20 0.62 0.00 |
| SITHE___STERLING 23777 | 33.38 0.80 0.00 | 27.96 0.63 0.00 | 23.36 0.53 0.00 | 23.63 0.54 0.00 | 27.62 0.63 0.00 | 25.33 0.55 0.00 | 21.55 0.44 0.00 | 17.93 0.29 0.00 | 21.06 0.32 0.00 | 22.50 0.33 0.00 | 21.28 0.33 0.00 | 25.54 0.35 0.00 | 28.14 0.42 0.00 | 29.56 0.44 0.00 | 29.20 0.58 0.00 | 36.89 0.86 0.00 | 34.31 0.98 0.00 | 38.79 1.31 0.00 | 38.37 1.29 0.00 | 34.39 1.12 0.00 | 32.51 1.02 0.00 | 30.22 0.85 0.00 | 25.31 0.66 0.00 | 24.20 0.62 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 32.10 -0.49 0.00 | 26.89 -0.43 0.00 | 22.51 -0.32 0.00 | 22.77 -0.32 0.00 | 26.61 -0.39 0.00 | 24.44 -0.34 0.00 | 20.67 -0.43 0.00 | 17.26 -0.38 0.00 | 20.40 -0.34 0.00 | 21.93 -0.24 0.00 | 20.76 -0.19 0.00 | 24.94 -0.25 0.00 | 27.37 -0.34 0.00 | 28.70 -0.42 0.00 | 28.27 -0.36 0.00 | 35.61 -0.42 0.00 | 32.77 -0.55 0.00 | 36.90 -0.58 0.00 | 36.63 -0.45 0.00 | 32.85 -0.42 0.00 | 31.08 -0.41 0.00 | 28.95 -0.42 0.00 | 24.38 -0.27 0.00 | 23.44 -0.15 0.00 |
| SOUTH CAIRO___GT 23612 | 33.91 1.33 0.00 | 28.44 1.12 0.00 | 24.08 1.25 0.00 | 24.52 1.43 0.00 | 28.54 1.55 0.00 | 26.10 1.32 0.00 | 22.19 1.08 0.00 | 18.42 0.77 0.00 | 21.39 0.65 0.00 | 22.49 0.31 0.00 | -15.72 0.40 37.07 | 25.38 0.39 0.21 | 27.76 0.28 0.24 | 26.60 0.35 2.87 | 20.04 0.56 9.15 | 35.72 0.80 1.10 | 34.22 1.29 0.39 | 39.19 1.84 0.13 | 39.39 2.31 0.00 | 35.61 2.34 0.00 | 33.86 2.37 0.00 | 31.27 1.90 0.00 | 25.97 1.32 0.00 | 24.63 1.05 0.00 |
| SOUTH HAMPTN___IC 23720 | 34.77 2.19 0.00 | 29.50 2.17 0.00 | 24.48 1.65 0.00 | 24.49 1.40 0.00 | 28.59 1.60 0.00 | 26.32 1.55 0.00 | 22.64 1.54 0.00 | 19.12 1.48 0.00 | 22.42 1.68 0.00 | 24.08 1.91 -0.01 | 165.19 1.67 -142.57 | 27.91 1.92 -0.80 | 31.56 2.91 -0.92 | 43.97 3.51 -11.34 | 66.81 3.02 -35.17 | 43.54 3.96 -3.55 | 39.72 4.28 -2.12 | 55.19 5.71 -12.00 | 56.35 5.47 -13.80 | 42.63 4.84 -4.52 | 38.12 4.28 -2.35 | 33.25 3.55 -0.34 | 27.21 2.56 0.00 | 25.75 2.17 0.00 |
| SOUTHDOW__115KV_TB1 355954 | 33.60 1.02 0.00 | 28.03 0.70 0.00 | 23.44 0.61 0.00 | 23.72 0.63 0.00 | 27.66 0.67 0.00 | 25.22 0.44 0.00 | 20.95 -0.15 0.00 | 17.39 -0.25 0.00 | 20.92 0.18 0.00 | 22.84 0.67 0.00 | 21.82 0.87 0.00 | 26.06 0.87 0.00 | 28.27 0.55 0.00 | 29.62 0.50 0.00 | 29.37 0.74 0.00 | 36.91 0.88 0.00 | 33.85 0.52 0.00 | 38.44 0.95 0.00 | 38.38 1.30 0.00 | 34.33 1.06 0.00 | 32.31 0.82 0.00 | 30.12 0.75 0.00 | 25.49 0.84 0.00 | 24.52 0.93 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 34.84 2.25 0.00 | 29.58 2.26 0.00 | 24.58 1.75 0.00 | 24.50 1.41 0.00 | 28.59 1.59 0.00 | 26.42 1.64 0.00 | 22.77 1.67 0.00 | 19.26 1.61 0.00 | 22.62 1.88 0.00 | 24.30 2.12 -0.01 | 165.19 1.67 -142.57 | 27.75 1.76 -0.80 | 31.87 3.23 -0.92 | 44.26 3.80 -11.34 | 66.44 2.64 -35.17 | 43.95 4.37 -3.55 | 40.12 4.68 -2.12 | 55.63 6.15 -12.01 | 56.81 5.92 -13.81 | 42.97 5.18 -4.52 | 38.54 4.70 -2.35 | 33.58 3.88 -0.34 | 27.48 2.83 0.00 | 25.92 2.34 0.00 |
| SOUTHOLD___IC 23719 | 34.83 2.24 0.00 | 29.58 2.26 0.00 | 24.58 1.75 0.00 | 24.50 1.41 0.00 | 28.59 1.59 0.00 | 26.42 1.64 0.00 | 22.77 1.67 0.00 | 19.26 1.61 0.00 | 22.62 1.88 0.00 | 24.30 2.12 -0.01 | 165.23 1.71 -142.57 | 27.75 1.75 -0.80 | 31.87 3.22 -0.92 | 44.27 3.81 -11.34 | 66.44 2.64 -35.17 | 43.87 4.29 -3.55 | 40.12 4.68 -2.12 | 55.64 6.15 -12.01 | 56.77 5.89 -13.81 | 42.97 5.18 -4.52 | 38.46 4.63 -2.35 | 33.58 3.88 -0.34 | 27.48 2.82 0.00 | 25.92 2.34 0.00 |
| SOUTH_FORK_WT_PWR 323839 | 34.48 1.90 0.00 | 29.37 2.04 0.00 | 24.44 1.61 0.00 | 24.31 1.22 0.00 | 28.28 1.28 0.00 | 26.21 1.43 0.00 | 22.70 1.59 0.00 | 19.26 1.62 0.00 | 22.67 1.93 0.00 | 24.37 2.19 -0.01 | 165.37 1.85 -142.57 | 28.09 2.09 -0.80 | 31.97 3.33 -0.92 | 44.40 3.93 -11.34 | 66.78 2.98 -35.17 | 43.98 4.40 -3.55 | 40.17 4.73 -2.12 | 55.71 6.23 -12.00 | 56.82 5.94 -13.80 | 42.97 5.18 -4.52 | 38.50 4.66 -2.35 | 33.65 3.95 -0.34 | 27.53 2.88 0.00 | 25.91 2.32 0.00 |
| SPIERFLS_115KV_TB 1 80737 | 33.62 1.03 0.00 | 28.19 0.87 0.00 | 24.03 1.20 0.00 | 24.41 1.31 0.00 | 28.52 1.52 0.00 | 26.15 1.37 0.00 | 22.34 1.23 0.00 | 18.60 0.96 0.00 | 21.79 1.05 0.00 | 23.17 1.01 0.00 | -80.49 0.80 102.25 | 25.50 0.88 0.58 | 27.96 0.90 0.66 | 22.03 0.82 7.91 | 4.03 0.63 25.23 | 33.50 0.52 3.04 | 33.25 1.01 1.09 | 38.63 1.52 0.36 | 39.16 2.09 0.00 | 35.23 1.96 0.00 | 33.36 1.87 0.00 | 30.81 1.45 0.00 | 25.68 1.03 0.00 | 24.40 0.82 0.00 |
| ST LAWRENCE____ 23600 | 32.32 -0.27 0.00 | 27.09 -0.24 0.00 | 22.57 -0.26 0.00 | 22.83 -0.26 0.00 | 26.75 -0.25 0.00 | 24.59 -0.18 0.00 | 20.92 -0.19 0.00 | 17.49 -0.15 0.00 | 20.58 -0.16 0.00 | 22.07 -0.11 0.00 | 20.86 -0.09 0.00 | 25.08 -0.11 0.00 | 27.55 -0.17 0.00 | 28.93 -0.19 0.00 | 28.45 -0.17 0.00 | 35.89 -0.13 0.00 | 33.03 -0.30 0.00 | 36.70 -0.78 0.00 | 35.99 -1.09 0.00 | 32.29 -0.98 0.00 | 30.81 -0.68 0.00 | 29.12 -0.25 0.00 | 24.53 -0.12 0.00 | 23.45 -0.13 0.00 |
| STATE_CA_115KV_115_LB 55624 | 32.91 0.33 0.00 | 27.66 0.33 0.00 | 23.42 0.59 0.00 | 23.83 0.74 0.00 | 27.74 0.74 0.00 | 25.35 0.57 0.00 | 21.61 0.51 0.00 | 18.03 0.38 0.00 | 21.07 0.33 0.00 | 22.29 0.12 0.00 | -78.89 0.15 100.00 | 24.75 0.12 0.56 | 27.19 0.12 0.65 | 21.60 0.22 7.74 | 4.24 0.29 24.67 | 33.42 0.37 2.97 | 32.80 0.53 1.06 | 38.07 0.95 0.36 | 38.18 1.10 0.00 | 34.33 1.06 0.00 | 32.47 0.99 0.00 | 29.98 0.61 0.00 | 24.99 0.34 0.00 | 23.77 0.19 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 32.78 0.19 0.00 | 27.46 0.13 0.00 | 22.99 0.16 0.00 | 23.19 0.10 0.00 | 27.17 0.17 0.00 | 24.93 0.16 0.00 | 21.17 0.06 0.00 | 17.67 0.02 0.00 | 20.81 0.07 0.00 | 22.19 0.01 0.00 | 21.03 0.08 0.00 | 25.26 0.07 0.00 | 27.73 0.01 0.00 | 29.18 0.06 0.00 | 28.69 0.07 0.00 | 36.20 0.18 0.00 | 33.46 0.13 0.00 | 37.69 0.21 0.00 | 37.45 0.37 0.00 | 33.58 0.31 0.00 | 31.78 0.29 0.00 | 29.46 0.09 0.00 | 24.79 0.14 0.00 | 23.81 0.23 0.00 |
| STATION 5_MISC_HYD 23604 | 32.18 -0.41 0.00 | 26.98 -0.34 0.00 | 22.12 -0.23 0.48 | 22.40 -0.20 0.49 | 26.54 -0.26 0.19 | 24.31 -0.25 0.22 | 20.66 -0.43 0.01 | 17.26 -0.38 0.00 | 20.47 -0.27 0.00 | 22.09 -0.08 0.00 | 20.92 -0.03 0.00 | 25.09 -0.10 0.00 | 27.48 -0.24 0.00 | 28.78 -0.35 0.00 | 28.32 -0.30 0.00 | 35.63 -0.39 0.00 | 32.74 -0.58 0.00 | 36.83 -0.65 0.00 | 36.60 -0.48 0.00 | 32.82 -0.45 0.00 | 31.05 -0.44 0.00 | 29.01 -0.36 0.00 | 24.29 -0.16 0.19 | 23.42 -0.02 0.15 |

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| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 32.43 -0.15 0.00 | 27.16 -0.17 0.00 | 22.73 -0.10 0.00 | 23.01 -0.08 0.00 | 26.88 -0.11 0.00 | 24.67 -0.11 0.00 | 20.85 -0.25 0.00 | 17.41 -0.23 0.00 | 20.60 -0.14 0.00 | 22.16 -0.01 0.00 | 20.99 0.03 0.00 | 25.19 0.00 0.00 | 27.66 -0.05 0.00 | 28.99 -0.13 0.00 | 28.54 -0.09 0.00 | 35.93 -0.10 0.00 | 33.11 -0.22 0.00 | 37.28 -0.20 0.00 | 37.01 -0.07 0.00 | 33.21 -0.06 0.00 | 31.40 -0.09 0.00 | 29.27 -0.10 0.00 | 24.64 -0.01 0.00 | 23.68 0.09 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 32.04 -0.55 0.00 | 26.85 -0.47 0.00 | 22.49 -0.34 0.00 | 22.78 -0.31 0.00 | 26.58 -0.41 0.00 | 24.43 -0.35 0.00 | 20.59 -0.51 0.00 | 17.20 -0.45 0.00 | 20.39 -0.35 0.00 | 22.00 -0.17 0.00 | 20.85 -0.11 0.00 | 25.00 -0.19 0.00 | 27.39 -0.33 0.00 | 28.68 -0.44 0.00 | 28.21 -0.41 0.00 | 35.50 -0.52 0.00 | 32.64 -0.69 0.00 | 36.73 -0.75 0.00 | 36.50 -0.59 0.00 | 32.72 -0.55 0.00 | 30.95 -0.54 0.00 | 28.90 -0.47 0.00 | 24.38 -0.26 0.00 | 23.45 -0.13 0.00 |
| STA_56____34_KV_BUS2 355983 | 32.04 -0.55 0.00 | 26.85 -0.47 0.00 | 22.49 -0.34 0.00 | 22.78 -0.31 0.00 | 26.58 -0.41 0.00 | 24.43 -0.35 0.00 | 20.59 -0.51 0.00 | 17.20 -0.45 0.00 | 20.39 -0.35 0.00 | 22.00 -0.17 0.00 | 20.85 -0.11 0.00 | 25.00 -0.19 0.00 | 27.39 -0.33 0.00 | 28.68 -0.44 0.00 | 28.21 -0.41 0.00 | 35.50 -0.52 0.00 | 32.64 -0.69 0.00 | 36.73 -0.75 0.00 | 36.50 -0.59 0.00 | 32.72 -0.55 0.00 | 30.95 -0.54 0.00 | 28.90 -0.47 0.00 | 24.38 -0.26 0.00 | 23.45 -0.13 0.00 |
| STA_67____115KV_BK2 355882 | 32.11 -0.47 0.00 | 26.92 -0.40 0.00 | 22.56 -0.27 0.00 | 22.85 -0.24 0.00 | 26.66 -0.33 0.00 | 24.50 -0.28 0.00 | 20.64 -0.47 0.00 | 17.23 -0.41 0.00 | 20.44 -0.30 0.00 | 22.06 -0.11 0.00 | 20.89 -0.06 0.00 | 25.04 -0.15 0.00 | 27.42 -0.30 0.00 | 28.70 -0.42 0.00 | 28.25 -0.38 0.00 | 35.56 -0.47 0.00 | 32.68 -0.65 0.00 | 36.76 -0.73 0.00 | 36.52 -0.56 0.00 | 32.74 -0.53 0.00 | 30.97 -0.52 0.00 | 28.95 -0.42 0.00 | 24.43 -0.22 0.00 | 23.52 -0.06 0.00 |
| STA_7____115KV_9TRANS 80674 | 32.29 -0.29 0.00 | 27.07 -0.25 0.00 | 22.67 -0.15 0.00 | 22.96 -0.13 0.00 | 26.80 -0.20 0.00 | 24.62 -0.16 0.00 | 20.73 -0.37 0.00 | 17.31 -0.33 0.00 | 20.53 -0.21 0.00 | 22.17 0.00 0.00 | 21.01 0.06 0.00 | 25.20 0.02 0.00 | 27.59 -0.13 0.00 | 28.90 -0.22 0.00 | 28.44 -0.18 0.00 | 35.78 -0.25 0.00 | 32.88 -0.44 0.00 | 36.99 -0.49 0.00 | 36.77 -0.31 0.00 | 32.97 -0.30 0.00 | 31.19 -0.29 0.00 | 29.15 -0.22 0.00 | 24.59 -0.05 0.00 | 23.66 0.08 0.00 |
| STA_82____115KV_TB1 80780 | 32.13 -0.46 0.00 | 26.93 -0.39 0.00 | 22.57 -0.26 0.00 | 22.86 -0.23 0.00 | 26.67 -0.33 0.00 | 24.51 -0.27 0.00 | 20.65 -0.45 0.00 | 17.24 -0.40 0.00 | 20.44 -0.29 0.00 | 22.06 -0.11 0.00 | 20.90 -0.05 0.00 | 25.05 -0.14 0.00 | 27.43 -0.28 0.00 | 28.72 -0.40 0.00 | 28.27 -0.36 0.00 | 35.57 -0.46 0.00 | 32.68 -0.64 0.00 | 36.78 -0.70 0.00 | 36.54 -0.54 0.00 | 32.76 -0.51 0.00 | 30.99 -0.49 0.00 | 28.96 -0.41 0.00 | 24.44 -0.20 0.00 | 23.53 -0.05 0.00 |
| STEEL____WIND 323596 | 32.22 -0.36 0.00 | 26.99 -0.33 0.00 | 21.56 -0.18 1.09 | 21.86 -0.11 1.12 | 26.40 -0.15 0.44 | 24.07 -0.19 0.51 | 20.53 -0.56 0.02 | 17.13 -0.51 0.00 | 20.47 -0.27 0.00 | 22.20 0.03 0.00 | 21.04 0.08 0.00 | 25.08 -0.11 0.00 | 27.34 -0.37 0.00 | 28.50 -0.62 0.00 | 28.28 -0.35 0.00 | 35.67 -0.35 0.00 | 32.60 -0.72 0.00 | 36.75 -0.73 0.00 | 36.56 -0.52 0.00 | 32.73 -0.54 0.00 | 30.91 -0.58 0.00 | 28.92 -0.45 0.00 | 24.11 -0.10 0.44 | 23.33 0.09 0.33 |
| STEPHTWN_115KV_BK_2 55603 | 33.13 0.55 0.00 | 27.79 0.47 0.00 | 23.53 0.70 0.00 | 23.84 0.75 0.00 | 27.79 0.80 0.00 | 25.37 0.59 0.00 | 21.64 0.54 0.00 | 18.08 0.43 0.00 | 21.14 0.41 0.00 | 22.35 0.18 0.00 | -76.59 0.22 97.77 | 24.82 0.18 0.55 | 27.25 0.16 0.63 | 21.86 0.31 7.57 | 4.90 0.39 24.12 | 33.65 0.54 2.91 | 32.99 0.71 1.04 | 38.34 1.21 0.35 | 38.48 1.40 0.00 | 34.59 1.32 0.00 | 32.77 1.28 0.00 | 30.17 0.80 0.00 | 25.14 0.49 0.00 | 23.90 0.31 0.00 |
| STEUBEN_REC_LFGE 323667 | 33.12 0.54 0.00 | 27.63 0.30 0.00 | 23.11 0.28 0.00 | 23.42 0.33 0.00 | 27.38 0.38 0.00 | 24.99 0.21 0.00 | 20.94 -0.17 0.00 | 17.38 -0.26 0.00 | 20.62 -0.12 0.00 | 22.33 0.16 0.00 | 21.11 0.16 0.00 | 25.12 -0.07 0.00 | 27.49 -0.23 0.00 | 28.45 -0.67 0.00 | 28.23 -0.39 0.00 | 36.27 0.24 0.00 | 33.71 0.38 0.00 | 38.19 0.71 0.00 | 37.83 0.75 0.00 | 33.81 0.54 0.00 | 31.85 0.36 0.00 | 29.54 0.17 0.00 | 24.91 0.26 0.00 | 23.92 0.34 0.00 |
| STILLWATER____SOLAR 323814 | 33.72 1.14 0.00 | 28.28 0.95 0.00 | 23.78 0.95 0.00 | 24.10 1.01 0.00 | 28.16 1.17 0.00 | 25.82 1.04 0.00 | 22.02 0.92 0.00 | 18.37 0.73 0.00 | 21.49 0.75 0.00 | 22.83 0.66 0.00 | -90.16 0.60 111.72 | 25.21 0.65 0.63 | 27.69 0.70 0.72 | 21.19 0.71 8.65 | 1.76 0.70 27.56 | 33.56 0.86 3.32 | 33.28 1.15 1.19 | 38.79 1.71 0.40 | 39.10 2.02 0.00 | 35.20 1.93 0.00 | 33.30 1.81 0.00 | 30.75 1.38 0.00 | 25.63 0.98 0.00 | 24.39 0.81 0.00 |
| STONY____BROOK 24151 | 34.83 2.24 0.00 | 29.50 2.18 0.00 | 24.43 1.60 0.00 | 24.53 1.44 0.00 | 28.68 1.69 0.00 | 26.33 1.56 0.00 | 22.50 1.40 0.00 | 18.86 1.21 0.00 | 22.06 1.32 0.00 | 23.65 1.48 -0.01 | 164.84 1.32 -142.57 | 27.57 1.57 -0.80 | 31.01 2.37 -0.92 | 43.40 2.94 -11.34 | 66.51 2.72 -35.17 | 43.09 3.45 -3.62 | 39.13 3.67 -2.14 | 57.41 4.84 -15.09 | 59.01 4.63 -17.30 | 43.01 4.15 -5.59 | 37.50 3.60 -2.41 | 32.61 2.91 -0.34 | 26.72 2.07 0.00 | 25.42 1.84 0.00 |
| STURGEON_POOL_HYD 23609 | 34.30 1.71 0.00 | 28.71 1.38 0.00 | 23.70 0.87 0.00 | 23.84 0.74 0.00 | 27.88 0.88 0.00 | 25.61 0.84 0.00 | 22.01 0.91 0.00 | 18.49 0.84 0.00 | 21.78 1.04 0.00 | 23.36 1.18 0.00 | 84.55 1.02 -62.57 | 26.94 1.40 -0.35 | 29.85 1.72 -0.41 | 35.91 1.95 -4.84 | 45.98 1.92 -15.44 | 40.36 2.48 -1.86 | 36.52 2.52 -0.66 | 41.03 3.32 -0.22 | 40.32 3.24 0.00 | 36.03 2.75 0.00 | 33.68 2.19 0.00 | 30.98 1.61 0.00 | 25.87 1.22 0.00 | 24.58 1.00 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 34.10 1.51 0.00 | 28.57 1.24 0.00 | 23.70 0.87 0.00 | 23.89 0.80 0.00 | 27.93 0.94 0.00 | 25.63 0.86 0.00 | 21.98 0.88 0.00 | 18.40 0.76 0.00 | 21.66 0.92 0.00 | 23.17 0.99 0.00 | 137.82 0.90 -115.97 | 27.03 1.19 -0.65 | 29.90 1.43 -0.75 | 39.71 1.61 -8.97 | 58.86 1.63 -28.61 | 41.56 2.09 -3.45 | 36.71 2.15 -1.23 | 40.78 2.89 -0.41 | 39.93 2.86 0.00 | 35.74 2.47 0.00 | 33.50 2.01 0.00 | 30.84 1.47 0.00 | 25.75 1.10 0.00 | 24.49 0.91 0.00 |
| SWANROAD_115KV_TB1 355699 | 31.08 -1.51 0.00 | 26.11 -1.21 0.00 | 21.91 -0.93 0.00 | 22.23 -0.86 0.00 | 25.96 -1.04 0.00 | 23.86 -0.92 0.00 | 19.96 -1.14 0.00 | 16.63 -1.02 0.00 | 19.84 -0.90 0.00 | 21.50 -0.67 0.00 | 20.34 -0.61 0.00 | 24.26 -0.94 0.00 | 26.43 -1.29 0.00 | 27.57 -1.55 0.00 | 27.27 -1.36 0.00 | 34.37 -1.66 0.00 | 31.33 -2.00 0.00 | 35.19 -2.29 0.00 | 35.00 -2.08 0.00 | 31.38 -1.89 0.00 | 29.67 -1.82 0.00 | 27.88 -1.49 0.00 | 23.72 -0.93 0.00 | 22.94 -0.64 0.00 |
| SYNERGY____BIOGAS 323694 | 32.46 -0.12 0.00 | 27.22 -0.11 0.00 | 22.06 -0.03 0.74 | 22.34 0.02 0.76 | 26.70 0.00 0.30 | 24.42 -0.01 0.35 | 20.75 -0.34 0.01 | 17.30 -0.34 0.00 | 20.57 -0.17 0.00 | 22.27 0.09 0.00 | 21.11 0.15 0.00 | 25.31 0.12 0.00 | 27.68 -0.03 0.00 | 28.99 -0.13 0.00 | 28.63 0.01 0.00 | 35.94 -0.08 0.00 | 32.92 -0.41 0.00 | 36.82 -0.66 0.00 | 36.78 -0.30 0.00 | 33.01 -0.26 0.00 | 31.26 -0.22 0.00 | 29.29 -0.08 0.00 | 24.49 0.15 0.30 | 23.65 0.30 0.23 |

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| SYRACUSE___ENERGY_ST1 323597 | 32.51 -0.08 0.00 | 27.23 -0.09 0.00 | 22.79 -0.03 0.00 | 23.06 -0.03 0.00 | 26.96 -0.04 0.00 | 24.72 -0.05 0.00 | 21.01 -0.09 0.00 | 17.55 -0.09 0.00 | 20.66 -0.08 0.00 | 22.10 -0.08 0.00 | 20.90 -0.05 0.00 | 25.12 -0.08 0.00 | 27.65 -0.07 0.00 | 29.01 -0.11 0.00 | 28.50 -0.13 0.00 | 35.87 -0.16 0.00 | 33.21 -0.12 0.00 | 37.44 -0.04 0.00 | 37.11 0.03 0.00 | 33.27 0.00 0.00 | 31.46 -0.03 0.00 | 29.24 -0.13 0.00 | 24.54 -0.11 0.00 | 23.58 0.00 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 32.51 -0.08 0.00 | 27.23 -0.09 0.00 | 22.79 -0.03 0.00 | 23.06 -0.03 0.00 | 26.96 -0.04 0.00 | 24.72 -0.05 0.00 | 21.01 -0.09 0.00 | 17.55 -0.09 0.00 | 20.66 -0.08 0.00 | 22.10 -0.08 0.00 | 20.90 -0.05 0.00 | 25.12 -0.08 0.00 | 27.65 -0.07 0.00 | 29.01 -0.11 0.00 | 28.50 -0.13 0.00 | 35.87 -0.16 0.00 | 33.21 -0.12 0.00 | 37.44 -0.04 0.00 | 37.11 0.03 0.00 | 33.27 0.00 0.00 | 31.46 -0.03 0.00 | 29.24 -0.13 0.00 | 24.54 -0.11 0.00 | 23.58 0.00 0.00 |
| SYRACUSE___POWER 24017 | 32.51 -0.08 0.00 | 27.23 -0.09 0.00 | 22.78 -0.05 0.00 | 23.06 -0.03 0.00 | 26.94 -0.05 0.00 | 24.70 -0.07 0.00 | 21.00 -0.10 0.00 | 17.54 -0.10 0.00 | 20.64 -0.10 0.00 | 22.09 -0.08 0.00 | 20.89 -0.06 0.00 | 25.10 -0.09 0.00 | 27.64 -0.08 0.00 | 28.98 -0.14 0.00 | 28.50 -0.13 0.00 | 35.86 -0.17 0.00 | 33.23 -0.09 0.00 | 37.50 0.02 0.00 | 37.15 0.07 0.00 | 33.31 0.04 0.00 | 31.48 -0.01 0.00 | 29.26 -0.10 0.00 | 24.55 -0.10 0.00 | 23.57 -0.01 0.00 |
| TALLMAN__138KV_BK151 55660 | 34.34 1.75 0.00 | 28.76 1.44 0.00 | 23.83 1.00 0.00 | 24.01 0.92 0.00 | 28.07 1.08 0.00 | 25.76 0.99 0.00 | 22.11 1.01 0.00 | 18.51 0.87 0.00 | 21.81 1.07 0.00 | 23.37 1.19 0.00 | 146.22 1.09 -124.17 | 27.32 1.43 -0.70 | 30.23 1.71 -0.81 | 40.65 1.92 -9.61 | 61.19 1.93 -30.63 | 42.16 2.45 -3.69 | 37.13 2.48 -1.32 | 41.24 3.32 -0.44 | 40.31 3.24 0.00 | 36.06 2.79 0.00 | 33.76 2.27 0.00 | 31.03 1.67 0.00 | 25.91 1.26 0.00 | 24.64 1.05 0.00 |
| TEALLAVE_115KV_TB7 355573 | 32.34 -0.25 0.00 | 27.09 -0.23 0.00 | 22.68 -0.15 0.00 | 22.96 -0.13 0.00 | 26.81 -0.18 0.00 | 24.60 -0.18 0.00 | 20.91 -0.20 0.00 | 17.46 -0.19 0.00 | 20.55 -0.18 0.00 | 22.01 -0.16 0.00 | 20.82 -0.14 0.00 | 25.01 -0.18 0.00 | 27.54 -0.18 0.00 | 28.87 -0.25 0.00 | 28.36 -0.26 0.00 | 35.68 -0.35 0.00 | 33.03 -0.29 0.00 | 37.27 -0.21 0.00 | 36.93 -0.15 0.00 | 33.12 -0.15 0.00 | 31.30 -0.19 0.00 | 29.10 -0.27 0.00 | 24.43 -0.22 0.00 | 23.46 -0.12 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 31.87 -0.72 0.00 | 26.74 -0.58 0.00 | 22.43 -0.40 0.00 | 22.74 -0.35 0.00 | 26.54 -0.46 0.00 | 24.38 -0.39 0.00 | 20.42 -0.69 0.00 | 17.02 -0.63 0.00 | 20.28 -0.46 0.00 | 21.98 -0.20 0.00 | 20.82 -0.13 0.00 | 24.86 -0.33 0.00 | 27.13 -0.59 0.00 | 28.35 -0.77 0.00 | 28.01 -0.61 0.00 | 35.26 -0.76 0.00 | 32.22 -1.11 0.00 | 36.17 -1.31 0.00 | 36.03 -1.05 0.00 | 32.30 -0.97 0.00 | 30.55 -0.94 0.00 | 28.66 -0.71 0.00 | 24.33 -0.32 0.00 | 23.48 -0.10 0.00 |
| TEMPLE___115KV_TB 2 55572 | 32.35 -0.23 0.00 | 27.12 -0.21 0.00 | 22.69 -0.14 0.00 | 22.97 -0.12 0.00 | 26.83 -0.16 0.00 | 24.61 -0.17 0.00 | 20.92 -0.19 0.00 | 17.47 -0.18 0.00 | 20.57 -0.17 0.00 | 22.02 -0.15 0.00 | 20.83 -0.12 0.00 | 25.02 -0.17 0.00 | 27.56 -0.16 0.00 | 28.89 -0.23 0.00 | 28.38 -0.24 0.00 | 35.69 -0.33 0.00 | 33.06 -0.27 0.00 | 37.28 -0.20 0.00 | 36.95 -0.13 0.00 | 33.14 -0.13 0.00 | 31.32 -0.17 0.00 | 29.12 -0.25 0.00 | 24.44 -0.21 0.00 | 23.47 -0.11 0.00 |
| TIANA____69_KV_BK 1 55817 | 34.78 2.19 0.00 | 29.48 2.16 0.00 | 24.46 1.62 0.00 | 24.48 1.39 0.00 | 28.62 1.63 0.00 | 26.32 1.55 0.00 | 22.60 1.50 0.00 | 19.06 1.42 0.00 | 22.32 1.58 0.00 | 23.97 1.79 -0.01 | 165.05 1.53 -142.57 | 27.80 1.81 -0.80 | 31.39 2.75 -0.92 | 43.79 3.32 -11.34 | 66.71 2.91 -35.17 | 43.45 3.87 -3.55 | 39.54 4.10 -2.12 | 54.97 5.48 -12.01 | 56.18 5.29 -13.81 | 42.46 4.67 -4.52 | 38.02 4.18 -2.35 | 33.09 3.38 -0.34 | 27.08 2.43 0.00 | 25.66 2.08 0.00 |
| TILDEN___115KV_TB1 80814 | 32.51 -0.08 0.00 | 27.23 -0.09 0.00 | 22.78 -0.05 0.00 | 23.06 -0.03 0.00 | 26.94 -0.05 0.00 | 24.70 -0.07 0.00 | 21.00 -0.10 0.00 | 17.54 -0.10 0.00 | 20.64 -0.10 0.00 | 22.09 -0.08 0.00 | 20.89 -0.06 0.00 | 25.10 -0.09 0.00 | 27.64 -0.08 0.00 | 28.98 -0.14 0.00 | 28.50 -0.13 0.00 | 35.86 -0.17 0.00 | 33.23 -0.09 0.00 | 37.50 0.02 0.00 | 37.15 0.07 0.00 | 33.31 0.04 0.00 | 31.48 -0.01 0.00 | 29.26 -0.10 0.00 | 24.55 -0.10 0.00 | 23.57 -0.01 0.00 |
| TRIGEN___CC 323695 | 34.60 2.02 0.00 | 29.14 1.81 0.00 | 24.15 1.31 0.00 | 24.29 1.20 0.00 | 28.38 1.39 0.00 | 26.04 1.27 0.00 | 22.30 1.20 0.00 | 18.68 1.04 0.00 | 21.95 1.21 0.00 | 23.54 1.36 -0.01 | 164.68 1.16 -142.57 | 27.52 1.52 -0.80 | 30.73 2.09 -0.92 | 42.92 2.45 -11.34 | 66.06 2.26 -35.17 | 53.00 3.06 -13.91 | 42.48 3.07 -6.08 | 44.90 3.97 -3.45 | 47.18 3.81 -6.29 | 40.07 3.36 -3.44 | 46.17 2.90 -11.78 | 31.91 2.20 -0.34 | 26.21 1.56 0.00 | 24.95 1.37 0.00 |
| TRINITY__115KV__4 BK 55933 | 32.78 0.20 0.00 | 27.56 0.24 0.00 | 23.33 0.50 0.00 | 23.75 0.66 0.00 | 27.66 0.66 0.00 | 25.27 0.49 0.00 | 21.55 0.44 0.00 | 17.97 0.33 0.00 | 20.99 0.25 0.00 | 22.20 0.03 0.00 | -77.45 0.06 98.47 | 24.66 0.03 0.56 | 27.09 0.01 0.64 | 21.59 0.09 7.62 | 4.49 0.15 24.30 | 33.27 0.18 2.93 | 32.61 0.33 1.05 | 37.87 0.74 0.35 | 37.99 0.91 0.00 | 34.16 0.89 0.00 | 32.32 0.83 0.00 | 29.83 0.47 0.00 | 24.88 0.23 0.00 | 23.66 0.08 0.00 |
| UNION___PROCESSING_DRP 323587 | 32.13 -0.45 0.00 | 26.94 -0.38 0.00 | 22.57 -0.26 0.00 | 22.87 -0.22 0.00 | 26.69 -0.31 0.00 | 24.51 -0.26 0.00 | 20.65 -0.45 0.00 | 17.24 -0.40 0.00 | 20.45 -0.29 0.00 | 22.07 -0.10 0.00 | 20.91 -0.05 0.00 | 25.06 -0.13 0.00 | 27.44 -0.27 0.00 | 28.73 -0.39 0.00 | 28.27 -0.35 0.00 | 35.58 -0.45 0.00 | 32.70 -0.62 0.00 | 36.79 -0.69 0.00 | 36.54 -0.54 0.00 | 32.77 -0.50 0.00 | 31.00 -0.49 0.00 | 28.97 -0.40 0.00 | 24.45 -0.19 0.00 | 23.54 -0.04 0.00 |
| UPPER HUDSON___HYD 24058 | 33.61 1.03 0.00 | 28.19 0.87 0.00 | 24.03 1.20 0.00 | 24.41 1.31 0.00 | 28.51 1.52 0.00 | 26.14 1.37 0.00 | 22.33 1.23 0.00 | 18.60 0.96 0.00 | 21.79 1.05 0.00 | 23.17 1.00 0.00 | -80.50 0.80 102.25 | 25.49 0.88 0.58 | 27.96 0.91 0.66 | 22.00 0.79 7.91 | 4.02 0.63 25.23 | 33.50 0.52 3.04 | 33.25 1.01 1.09 | 38.63 1.52 0.36 | 39.16 2.09 0.00 | 35.23 1.96 0.00 | 33.36 1.87 0.00 | 30.81 1.45 0.00 | 25.68 1.03 0.00 | 24.40 0.82 0.00 |
| UPPER RAQUET___HYD 24056 | 32.99 0.41 0.00 | 27.63 0.31 0.00 | 23.01 0.18 0.00 | 23.28 0.19 0.00 | 27.30 0.30 0.00 | 25.10 0.32 0.00 | 21.33 0.22 0.00 | 17.79 0.15 0.00 | 20.91 0.18 0.00 | 22.42 0.24 0.00 | 21.21 0.25 0.00 | 25.46 0.27 0.00 | 27.97 0.25 0.00 | 29.38 0.26 0.00 | 28.96 0.33 0.00 | 36.65 0.63 0.00 | 33.81 0.48 0.00 | 37.53 0.05 0.00 | 36.40 -0.68 0.00 | 32.67 -0.60 0.00 | 31.59 0.11 0.00 | 29.87 0.50 0.00 | 25.14 0.49 0.00 | 23.99 0.41 0.00 |
| VALLEY44_115KV_TB2 355964 | 33.11 0.53 0.00 | 27.68 0.36 0.00 | 23.18 0.35 0.00 | 23.50 0.41 0.00 | 27.51 0.52 0.00 | 25.18 0.40 0.00 | 21.11 0.01 0.00 | 17.63 -0.02 0.00 | 21.05 0.32 0.00 | 22.74 0.57 0.00 | 21.49 0.54 0.00 | 25.58 0.39 0.00 | 27.96 0.25 0.00 | 29.04 -0.08 0.00 | 28.87 0.24 0.00 | 36.40 0.37 0.00 | 33.48 0.16 0.00 | 37.86 0.38 0.00 | 37.61 0.53 0.00 | 33.59 0.32 0.00 | 31.62 0.13 0.00 | 29.44 0.07 0.00 | 24.92 0.27 0.00 | 24.05 0.47 0.00 |

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| VALLEY___115KV_TB 1-4 80826 | 32.84 0.25 0.00 | 27.54 0.21 0.00 | 23.05 0.22 0.00 | 23.32 0.23 0.00 | 27.12 0.12 0.00 | 24.80 0.02 0.00 | 21.14 0.04 0.00 | 17.62 -0.03 0.00 | 20.61 -0.13 0.00 | 21.93 -0.24 0.00 | 20.79 -0.16 0.00 | 24.96 -0.23 0.00 | 27.47 -0.24 0.00 | 28.92 -0.21 0.00 | 28.54 -0.08 0.00 | 35.98 -0.04 0.00 | 33.49 0.16 0.00 | 37.82 0.34 0.00 | 38.01 0.93 0.00 | 34.20 0.93 0.00 | 32.32 0.84 0.00 | 29.88 0.51 0.00 | 24.93 0.28 0.00 | 23.75 0.17 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 33.74 1.16 0.00 | 28.27 0.94 0.00 | 23.54 0.71 0.00 | 23.78 0.69 0.00 | 27.80 0.80 0.00 | 25.50 0.72 0.00 | 21.76 0.66 0.00 | 18.20 0.55 0.00 | 21.44 0.70 0.00 | 22.97 0.79 0.00 | 21.70 0.75 0.00 | 26.08 0.89 0.00 | 28.73 1.01 0.00 | 30.22 1.10 0.00 | 29.77 1.14 0.00 | 37.57 1.54 0.00 | 34.86 1.53 0.00 | 39.42 1.94 0.00 | 39.01 1.93 0.00 | 35.01 1.74 0.00 | 33.03 1.54 0.00 | 30.60 1.23 0.00 | 25.60 0.95 0.00 | 24.41 0.82 0.00 |
| VISCHER___FERRY HYD 24020 | 33.34 0.76 0.00 | 27.98 0.66 0.00 | 23.46 0.63 0.00 | 23.77 0.68 0.00 | 27.77 0.78 0.00 | 25.46 0.68 0.00 | 21.72 0.62 0.00 | 18.15 0.51 0.00 | 21.23 0.49 0.00 | 22.54 0.37 0.00 | -113.87 0.34 135.16 | 24.82 0.40 0.76 | 27.26 0.42 0.88 | 19.12 0.46 10.46 | -4.26 0.46 33.35 | 32.57 0.57 4.02 | 32.62 0.74 1.44 | 38.25 1.25 0.48 | 38.57 1.49 0.00 | 34.74 1.47 0.00 | 32.85 1.37 0.00 | 30.32 0.95 0.00 | 25.27 0.62 0.00 | 24.03 0.45 0.00 |
| V_A_10_SYNC_DSASP 323832 | 31.60 -0.98 0.00 | 26.54 -0.78 0.00 | 21.43 -0.58 0.82 | 21.71 -0.53 0.85 | 26.02 -0.64 0.33 | 23.80 -0.59 0.39 | 20.29 -0.80 0.01 | 16.96 -0.69 0.00 | 20.19 -0.55 0.00 | 21.83 -0.34 0.00 | 20.63 -0.33 0.00 | 24.66 -0.53 0.00 | 26.92 -0.79 0.00 | 28.13 -0.99 0.00 | 27.77 -0.86 0.00 | 34.99 -1.03 0.00 | 32.03 -1.30 0.00 | 36.06 -1.42 0.00 | 35.82 -1.26 0.00 | 32.07 -1.20 0.00 | 30.31 -1.18 0.00 | 28.38 -0.99 0.00 | 23.72 -0.59 0.33 | 22.97 -0.35 0.25 |
| V_CMM_10_SYNC_DSASP 323787 | 32.45 -0.13 0.00 | 27.21 -0.12 0.00 | 22.67 -0.16 0.00 | 22.93 -0.16 0.00 | 26.86 -0.13 0.00 | 24.70 -0.08 0.00 | 21.00 -0.10 0.00 | 17.57 -0.07 0.00 | 20.67 -0.07 0.00 | 22.17 -0.01 0.00 | 20.96 0.01 0.00 | 25.20 0.01 0.00 | 27.67 -0.05 0.00 | 29.07 -0.05 0.00 | 28.59 -0.03 0.00 | 36.07 0.05 0.00 | 33.20 -0.13 0.00 | 36.88 -0.60 0.00 | 36.18 -0.90 0.00 | 32.45 -0.82 0.00 | 30.96 -0.52 0.00 | 29.26 -0.11 0.00 | 24.64 -0.01 0.00 | 23.56 -0.02 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 34.08 1.50 0.00 | 28.60 1.27 0.00 | 23.78 0.95 0.00 | 23.98 0.89 0.00 | 28.23 1.23 0.00 | 25.89 1.11 0.00 | 22.06 0.96 0.00 | 18.44 0.80 0.00 | 21.57 0.83 0.00 | 23.04 0.87 0.00 | 21.76 0.81 0.00 | 26.21 1.02 0.00 | 28.87 1.15 0.00 | 30.34 1.21 0.00 | 29.99 1.36 0.00 | 37.90 1.88 0.00 | 35.05 1.72 0.00 | 39.25 1.77 0.00 | 38.59 1.51 0.00 | 34.58 1.31 0.00 | 32.71 1.22 0.00 | 30.78 1.40 0.00 | 25.83 1.18 0.00 | 24.66 1.08 0.00 |
| V_D_10_SYNC_DSASP 323841 | 32.73 0.15 0.00 | 27.44 0.11 0.00 | 22.86 0.03 0.00 | 23.12 0.03 0.00 | 27.10 0.10 0.00 | 24.92 0.14 0.00 | 21.18 0.08 0.00 | 17.70 0.06 0.00 | 20.83 0.09 0.00 | 22.33 0.16 0.00 | 21.12 0.17 0.00 | 25.38 0.19 0.00 | 27.88 0.17 0.00 | 29.29 0.16 0.00 | 28.82 0.19 0.00 | 36.36 0.34 0.00 | 33.50 0.18 0.00 | 37.19 -0.29 0.00 | 36.16 -0.92 0.00 | 32.45 -0.82 0.00 | 31.25 -0.24 0.00 | 29.53 0.16 0.00 | 24.87 0.22 0.00 | 23.77 0.19 0.00 |
| V_E_10_SYNC_DSASP 323830 | 34.84 2.26 0.00 | 29.18 1.86 0.00 | 24.62 1.54 -0.25 | 24.91 1.57 -0.25 | 28.96 1.86 -0.10 | 26.56 1.67 -0.12 | 22.49 1.38 0.00 | 18.69 1.05 0.00 | 21.84 1.10 0.00 | 23.25 1.07 0.00 | 21.93 0.97 0.00 | 26.30 1.11 0.00 | 28.92 1.20 0.00 | 30.43 1.31 0.00 | 30.12 1.49 0.00 | 38.22 2.19 0.00 | 35.26 1.94 0.00 | 40.92 3.44 0.00 | 39.90 2.82 0.00 | 36.26 2.99 0.00 | 34.30 2.81 0.00 | 31.79 2.42 0.00 | 26.61 1.86 -0.10 | 25.42 1.76 -0.08 |
| V_F_30_NSYNC___DSASP 323816 | 33.76 1.18 0.00 | 28.31 0.98 0.00 | 23.81 0.98 0.00 | 24.12 1.04 0.00 | 28.19 1.19 0.00 | 25.84 1.06 0.00 | 22.05 0.95 0.00 | 18.40 0.75 0.00 | 21.53 0.79 0.00 | 22.89 0.72 0.00 | -85.88 0.65 107.48 | 25.31 0.72 0.61 | 27.80 0.78 0.70 | 21.61 0.80 8.32 | 2.89 0.79 26.52 | 33.80 0.97 3.20 | 33.42 1.24 1.14 | 38.89 1.79 0.38 | 39.17 2.09 0.00 | 35.25 1.97 0.00 | 33.34 1.85 0.00 | 30.79 1.43 0.00 | 25.68 1.03 0.00 | 24.42 0.84 0.00 |
| V_F_30_SYNC_DSASP 323786 | 32.91 0.33 0.00 | 27.66 0.33 0.00 | 23.42 0.59 0.00 | 23.83 0.74 0.00 | 27.74 0.74 0.00 | 25.35 0.57 0.00 | 21.61 0.51 0.00 | 18.03 0.38 0.00 | 21.07 0.33 0.00 | 22.29 0.12 0.00 | -78.76 0.15 99.86 | 24.75 0.12 0.56 | 27.19 0.12 0.65 | 21.61 0.21 7.73 | 4.28 0.29 24.64 | 33.42 0.37 2.97 | 32.79 0.52 1.06 | 38.07 0.94 0.36 | 38.18 1.10 0.00 | 34.32 1.05 0.00 | 32.47 0.98 0.00 | 29.98 0.61 0.00 | 24.99 0.34 0.00 | 23.77 0.18 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 34.08 1.50 0.00 | 28.60 1.27 0.00 | 23.78 0.95 0.00 | 23.98 0.89 0.00 | 28.23 1.23 0.00 | 25.89 1.11 0.00 | 22.06 0.96 0.00 | 18.44 0.80 0.00 | 21.57 0.83 0.00 | 23.04 0.87 0.00 | 21.76 0.81 0.00 | 26.21 1.02 0.00 | 28.87 1.15 0.00 | 30.34 1.21 0.00 | 29.99 1.36 0.00 | 37.90 1.88 0.00 | 35.05 1.72 0.00 | 39.25 1.77 0.00 | 38.59 1.51 0.00 | 34.58 1.31 0.00 | 32.71 1.22 0.00 | 30.78 1.40 0.00 | 25.83 1.18 0.00 | 24.66 1.08 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 34.44 1.86 0.00 | 28.85 1.53 0.00 | 23.91 1.08 0.00 | 24.09 1.01 0.00 | 28.17 1.17 0.00 | 25.85 1.08 0.00 | 22.19 1.09 0.00 | 18.58 0.93 0.00 | 21.88 1.14 0.00 | 23.43 1.26 0.00 | 148.51 1.16 -126.40 | 27.41 1.51 -0.71 | 30.33 1.79 -0.82 | 40.91 2.01 -9.78 | 61.83 2.02 -31.18 | 42.36 2.58 -3.76 | 37.27 2.60 -1.34 | 41.39 3.46 -0.45 | 40.46 3.38 0.00 | 36.19 2.92 0.00 | 33.89 2.40 0.00 | 31.15 1.78 0.00 | 26.00 1.35 0.00 | 24.71 1.13 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 34.66 2.07 0.00 | 29.04 1.71 0.00 | 24.11 1.28 0.00 | 24.29 1.20 0.00 | 28.35 1.36 0.00 | 26.03 1.25 0.00 | 22.40 1.29 0.00 | 18.80 1.16 0.00 | 22.15 1.41 0.00 | 23.74 1.57 -0.01 | 164.90 1.40 -142.54 | 27.75 1.75 -0.80 | 30.71 2.07 -0.92 | 42.48 2.33 -11.03 | 66.12 2.33 -35.17 | 43.20 2.94 -4.24 | 37.77 2.92 -1.52 | 41.86 3.87 -0.51 | 40.79 3.71 0.00 | 36.47 3.20 0.00 | 34.12 2.64 0.00 | 31.34 1.97 0.00 | 26.17 1.52 0.00 | 24.83 1.25 0.00 |
| W50THST__13_KV_LOAD 356117 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.23 1.40 0.00 | 24.40 1.31 0.00 | 28.49 1.50 0.00 | 26.15 1.37 0.00 | 22.50 1.40 0.00 | 18.89 1.25 0.00 | 22.28 1.54 0.00 | 23.88 1.70 -0.01 | 165.03 1.53 -142.54 | 27.91 1.92 -0.80 | 30.91 2.26 -0.92 | 42.68 2.53 -11.03 | 66.31 2.52 -35.17 | 43.45 3.19 -4.24 | 37.98 3.14 -1.52 | 42.09 4.10 -0.51 | 41.02 3.95 0.00 | 36.67 3.39 0.00 | 34.29 2.80 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.94 1.35 0.00 |
| WADING RIVER_IC_1 23522 | 34.40 1.82 0.00 | 29.15 1.82 0.00 | 24.15 1.32 0.00 | 24.22 1.13 0.00 | 28.42 1.43 0.00 | 26.10 1.33 0.00 | 22.35 1.25 0.00 | 18.80 1.15 0.00 | 21.94 1.20 0.00 | 23.52 1.35 -0.01 | 164.68 1.16 -142.57 | 27.36 1.36 -0.80 | 30.81 2.17 -0.92 | 43.17 2.70 -11.34 | 66.22 2.42 -35.17 | 42.59 3.02 -3.55 | 38.76 3.32 -2.12 | 53.97 4.53 -11.96 | 55.17 4.33 -13.76 | 41.67 3.90 -4.50 | 37.21 3.38 -2.35 | 32.40 2.70 -0.34 | 26.53 1.88 0.00 | 25.21 1.62 0.00 |

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| WADING RIVER_IC_2 23547 | 34.40 1.82 0.00 | 29.15 1.82 0.00 | 24.15 1.32 0.00 | 24.22 1.13 0.00 | 28.42 1.43 0.00 | 26.10 1.33 0.00 | 22.35 1.25 0.00 | 18.80 1.15 0.00 | 21.94 1.20 0.00 | 23.52 1.35 -0.01 | 164.68 1.16 -142.57 | 27.36 1.36 -0.80 | 30.81 2.17 -0.92 | 43.17 2.70 -11.34 | 66.22 2.42 -35.17 | 42.59 3.02 -3.55 | 38.76 3.32 -2.12 | 53.97 4.53 -11.96 | 55.17 4.33 -13.76 | 41.67 3.90 -4.50 | 37.21 3.38 -2.35 | 32.40 2.70 -0.34 | 26.53 1.88 0.00 | 25.21 1.62 0.00 |
| WADING RIVER_IC_3 23601 | 34.40 1.82 0.00 | 29.15 1.82 0.00 | 24.15 1.32 0.00 | 24.22 1.13 0.00 | 28.42 1.43 0.00 | 26.10 1.33 0.00 | 22.35 1.25 0.00 | 18.80 1.15 0.00 | 21.94 1.20 0.00 | 23.52 1.35 -0.01 | 164.68 1.16 -142.57 | 27.36 1.36 -0.80 | 30.81 2.17 -0.92 | 43.17 2.70 -11.34 | 66.22 2.42 -35.17 | 42.59 3.02 -3.55 | 38.76 3.32 -2.12 | 53.97 4.53 -11.96 | 55.17 4.33 -13.76 | 41.67 3.90 -4.50 | 37.21 3.38 -2.35 | 32.40 2.70 -0.34 | 26.53 1.88 0.00 | 25.21 1.62 0.00 |
| WALDENNY_I2_KV_BK2 80841 | 32.18 -0.40 0.00 | 26.96 -0.37 0.00 | 22.62 -0.21 0.00 | 22.95 -0.14 0.00 | 26.77 -0.22 0.00 | 24.57 -0.20 0.00 | 20.54 -0.57 0.00 | 17.12 -0.52 0.00 | 20.46 -0.28 0.00 | 22.19 0.02 0.00 | 21.04 0.08 0.00 | 25.09 -0.10 0.00 | 27.37 -0.35 0.00 | 28.50 -0.62 0.00 | 28.24 -0.38 0.00 | 35.65 -0.37 0.00 | 32.57 -0.75 0.00 | 36.70 -0.78 0.00 | 36.52 -0.55 0.00 | 32.70 -0.57 0.00 | 30.88 -0.61 0.00 | 28.91 -0.46 0.00 | 24.54 -0.11 0.00 | 23.66 0.08 0.00 |
| WALDEN___HYDRO 24148 | 34.22 1.64 0.00 | 28.67 1.35 0.00 | 23.79 0.95 0.00 | 23.98 0.89 0.00 | 28.02 1.03 0.00 | 25.71 0.94 0.00 | 22.06 0.96 0.00 | 18.47 0.82 0.00 | 21.72 0.98 0.00 | 23.23 1.06 0.00 | 133.73 0.95 -111.83 | 27.06 1.23 -0.63 | 29.94 1.50 -0.73 | 39.45 1.68 -8.65 | 57.92 1.70 -27.59 | 41.55 2.20 -3.33 | 36.81 2.29 -1.19 | 40.94 3.06 -0.40 | 40.13 3.05 0.00 | 35.92 2.65 0.00 | 33.66 2.18 0.00 | 30.99 1.63 0.00 | 25.86 1.21 0.00 | 24.58 1.00 0.00 |
| WARRENSBURG___ 23737 | 33.61 1.03 0.00 | 28.19 0.87 0.00 | 24.03 1.20 0.00 | 24.41 1.31 0.00 | 28.51 1.52 0.00 | 26.14 1.37 0.00 | 22.33 1.23 0.00 | 18.60 0.96 0.00 | 21.79 1.05 0.00 | 23.17 1.00 0.00 | -80.50 0.80 102.25 | 25.49 0.88 0.58 | 27.96 0.91 0.66 | 22.00 0.79 7.91 | 4.02 0.63 25.23 | 33.50 0.52 3.04 | 33.25 1.01 1.09 | 38.63 1.52 0.36 | 39.16 2.09 0.00 | 35.23 1.96 0.00 | 33.36 1.87 0.00 | 30.81 1.45 0.00 | 25.68 1.03 0.00 | 24.40 0.82 0.00 |
| WATERSIDE___6 8 9 23538 | 34.74 2.15 0.00 | 29.10 1.78 0.00 | 24.16 1.32 0.00 | 24.32 1.23 0.00 | 28.38 1.39 0.00 | 26.06 1.28 0.00 | 22.41 1.31 0.00 | 18.81 1.17 0.00 | 22.16 1.42 0.00 | 23.73 1.56 -0.01 | 164.88 1.38 -142.55 | 27.76 1.77 -0.80 | 30.73 2.09 -0.93 | 42.51 2.35 -11.04 | 66.14 2.35 -35.17 | 43.22 2.96 -4.24 | 37.77 2.93 -1.52 | 41.83 3.85 -0.51 | 40.82 3.74 0.00 | 36.50 3.23 0.00 | 34.12 2.63 0.00 | 31.35 1.98 0.00 | 26.17 1.52 0.00 | 24.85 1.27 0.00 |
| WATKINRD_115KV_LN8_ILLION 55919 | 32.76 0.18 0.00 | 27.46 0.14 0.00 | 22.99 0.16 0.00 | 23.25 0.16 0.00 | 27.13 0.14 0.00 | 24.85 0.07 0.00 | 21.17 0.07 0.00 | 17.65 0.00 0.00 | 20.66 -0.08 0.00 | 21.99 -0.18 0.00 | 20.82 -0.13 0.00 | 25.00 -0.19 0.00 | 27.52 -0.19 0.00 | 28.95 -0.17 0.00 | 28.53 -0.09 0.00 | 35.95 -0.08 0.00 | 33.42 0.10 0.00 | 37.89 0.41 0.00 | 37.79 0.71 0.00 | 33.97 0.70 0.00 | 32.11 0.62 0.00 | 29.73 0.36 0.00 | 24.84 0.19 0.00 | 23.69 0.11 0.00 |
| WATSON___69_KV_BK 1 55734 | 35.13 2.55 0.00 | 29.69 2.37 0.00 | 24.59 1.76 0.00 | 24.68 1.59 0.00 | 28.85 1.85 0.00 | 26.48 1.70 0.00 | 22.63 1.52 0.00 | 18.94 1.29 0.00 | 22.17 1.44 0.00 | 23.78 1.60 -0.01 | 164.92 1.40 -142.57 | 27.72 1.72 -0.80 | 31.13 2.49 -0.92 | 43.49 3.03 -11.34 | 66.62 2.82 -35.17 | 43.89 3.70 -4.17 | 39.47 3.80 -2.35 | 49.17 4.95 -6.74 | 49.78 4.71 -7.99 | 40.37 4.27 -2.83 | 38.24 3.84 -2.91 | 32.77 3.06 -0.34 | 26.86 2.21 0.00 | 25.56 1.98 0.00 |
| WDELAWARE___HYD 323627 | 33.90 1.31 0.00 | 28.36 1.03 0.00 | 23.44 0.61 0.00 | 23.62 0.53 0.00 | 27.61 0.62 0.00 | 25.38 0.60 0.00 | 21.75 0.65 0.00 | 18.22 0.58 0.00 | 21.41 0.67 0.00 | 22.75 0.58 0.00 | 86.46 -0.15 -65.65 | 25.54 -0.03 -0.37 | 28.18 0.03 -0.43 | 34.35 0.15 -5.08 | 45.04 0.21 -16.20 | 38.39 0.41 -1.95 | 34.70 0.67 -0.70 | 38.98 1.27 -0.23 | 38.54 1.46 0.00 | 34.50 1.23 0.00 | 32.37 0.89 0.00 | 29.95 0.58 0.00 | 25.73 1.08 0.00 | 24.43 0.85 0.00 |
| WEST BABYLON___IC 23714 | 35.09 2.51 0.00 | 29.63 2.30 0.00 | 24.54 1.71 0.00 | 24.63 1.54 0.00 | 28.78 1.78 0.00 | 26.41 1.63 0.00 | 22.57 1.47 0.00 | 18.90 1.25 0.00 | 22.14 1.40 0.00 | 23.75 1.58 -0.01 | 164.88 1.36 -142.57 | 27.69 1.69 -0.80 | 31.08 2.43 -0.92 | 43.39 2.93 -11.34 | 66.51 2.71 -35.17 | 45.10 3.59 -5.49 | 39.87 3.68 -2.86 | 45.12 4.74 -2.90 | 45.51 4.50 -3.92 | 39.11 4.09 -1.76 | 39.26 3.66 -4.11 | 32.60 2.90 -0.34 | 26.73 2.08 0.00 | 25.46 1.88 0.00 |
| WEST CANADA___HYD 24049 | 32.68 0.09 0.00 | 27.41 0.08 0.00 | 22.91 0.08 0.00 | 23.18 0.09 0.00 | 27.08 0.08 0.00 | 24.85 0.08 0.00 | 21.17 0.07 0.00 | 17.70 0.05 0.00 | 20.78 0.04 0.00 | 22.20 0.02 0.00 | 20.98 0.03 0.00 | 25.22 0.03 0.00 | 27.76 0.04 0.00 | 29.17 0.05 0.00 | 28.68 0.05 0.00 | 36.07 0.05 0.00 | 33.43 0.10 0.00 | 37.73 0.25 0.00 | 37.38 0.29 0.00 | 33.55 0.28 0.00 | 31.71 0.22 0.00 | 29.47 0.10 0.00 | 24.70 0.05 0.00 | 23.63 0.05 0.00 |
| WESTERN_NY_WIND 24143 | 32.42 -0.16 0.00 | 27.17 -0.15 0.00 | 22.77 -0.06 0.00 | 23.08 -0.01 0.00 | 26.93 -0.06 0.00 | 24.74 -0.04 0.00 | 20.74 -0.36 0.00 | 17.29 -0.36 0.00 | 20.54 -0.20 0.00 | 22.25 0.08 0.00 | 21.10 0.15 0.00 | 25.28 0.09 0.00 | 27.64 -0.07 0.00 | 28.93 -0.19 0.00 | 28.57 -0.05 0.00 | 35.90 -0.12 0.00 | 32.88 -0.45 0.00 | 36.76 -0.72 0.00 | 36.74 -0.34 0.00 | 32.97 -0.30 0.00 | 31.23 -0.26 0.00 | 29.25 -0.12 0.00 | 24.77 0.12 0.00 | 23.85 0.27 0.00 |
| WESTOVER___LESR 323668 | 33.02 0.43 0.00 | 27.61 0.28 0.00 | 23.04 0.21 0.00 | 23.32 0.23 0.00 | 27.28 0.29 0.00 | 24.97 0.19 0.00 | 21.24 0.14 0.00 | 17.74 0.10 0.00 | 20.95 0.21 0.00 | 22.41 0.23 0.00 | 21.19 0.24 0.00 | 25.43 0.24 0.00 | 28.01 0.29 0.00 | 29.35 0.23 0.00 | 28.96 0.33 0.00 | 36.51 0.49 0.00 | 33.92 0.60 0.00 | 38.37 0.89 0.00 | 37.93 0.85 0.00 | 33.99 0.72 0.00 | 32.06 0.57 0.00 | 29.74 0.37 0.00 | 24.93 0.28 0.00 | 23.86 0.28 0.00 |
| WETHRSFD_WT_PWR 323626 | 32.27 -0.31 0.00 | 26.99 -0.33 0.00 | 22.63 -0.20 0.00 | 22.96 -0.13 0.00 | 26.83 -0.16 0.00 | 24.52 -0.25 0.00 | 20.52 -0.58 0.00 | 17.06 -0.59 0.00 | 20.36 -0.38 0.00 | 22.05 -0.12 0.00 | 20.89 -0.06 0.00 | 24.95 -0.24 0.00 | 27.22 -0.50 0.00 | 28.16 -0.96 0.00 | 28.07 -0.55 0.00 | 35.67 -0.35 0.00 | 32.70 -0.63 0.00 | 36.94 -0.54 0.00 | 36.70 -0.38 0.00 | 32.88 -0.39 0.00 | 31.03 -0.46 0.00 | 28.91 -0.45 0.00 | 24.46 -0.19 0.00 | 23.56 -0.02 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 34.30 1.72 0.00 | 28.73 1.41 0.00 | 23.81 0.98 0.00 | 24.00 0.91 0.00 | 28.06 1.07 0.00 | 25.75 0.97 0.00 | 22.10 1.00 0.00 | 18.51 0.87 0.00 | 21.79 1.06 0.00 | 23.34 1.17 0.00 | 148.87 1.07 -126.84 | 27.29 1.38 -0.71 | 30.21 1.66 -0.82 | 40.80 1.87 -9.81 | 61.80 1.88 -31.29 | 42.18 2.39 -3.77 | 37.09 2.42 -1.35 | 41.18 3.25 -0.45 | 40.26 3.18 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.00 1.63 0.00 | 25.88 1.23 0.00 | 24.60 1.02 0.00 |

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| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 34.30 1.72 0.00 | 28.73 1.41 0.00 | 23.81 0.98 0.00 | 24.00 0.91 0.00 | 28.06 1.07 0.00 | 25.75 0.97 0.00 | 22.10 1.00 0.00 | 18.51 0.87 0.00 | 21.79 1.06 0.00 | 23.34 1.17 0.00 | 148.87 1.07 -126.84 | 27.29 1.38 -0.71 | 30.21 1.66 -0.82 | 40.80 1.87 -9.81 | 61.80 1.88 -31.29 | 42.18 2.39 -3.77 | 37.09 2.42 -1.35 | 41.18 3.25 -0.45 | 40.26 3.18 0.00 | 36.01 2.74 0.00 | 33.72 2.23 0.00 | 31.00 1.63 0.00 | 25.88 1.23 0.00 | 24.60 1.02 0.00 |
| WHITEHAL_115KV_TB1 80871 | 34.40 1.82 0.00 | 28.83 1.50 0.00 | 24.49 1.66 0.00 | 24.86 1.78 0.00 | 29.06 2.07 0.00 | 26.64 1.86 0.00 | 22.74 1.63 0.00 | 18.92 1.27 0.00 | 22.13 1.40 0.00 | 23.55 1.38 0.00 | -82.28 1.18 104.42 | 25.87 1.26 0.59 | 28.36 1.31 0.68 | 22.34 1.30 8.08 | 4.05 1.18 25.76 | 34.24 1.33 3.11 | 33.99 1.78 1.11 | 39.63 2.52 0.37 | 40.18 3.10 0.00 | 36.11 2.84 0.00 | 34.22 2.73 0.00 | 31.59 2.23 0.00 | 26.30 1.65 0.00 | 24.96 1.38 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 34.82 2.23 0.00 | 29.15 1.83 0.00 | 24.17 1.34 0.00 | 24.36 1.26 0.00 | 28.45 1.46 0.00 | 26.11 1.33 0.00 | 22.42 1.32 0.00 | 18.81 1.17 0.00 | 22.15 1.41 0.00 | 23.72 1.54 -0.01 | 164.63 1.40 -142.27 | 27.76 1.77 -0.80 | 30.74 2.10 -0.92 | 42.51 2.38 -11.01 | 66.11 2.38 -35.10 | 43.29 3.04 -4.23 | 37.86 3.02 -1.51 | 41.94 3.95 -0.51 | 40.97 3.89 0.00 | 36.64 3.36 0.00 | 34.29 2.81 0.00 | 31.51 2.15 0.00 | 26.28 1.63 0.00 | 24.97 1.38 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 34.76 2.18 0.00 | 29.45 2.12 0.00 | 24.40 1.57 0.00 | 24.48 1.39 0.00 | 28.66 1.67 0.00 | 26.32 1.54 0.00 | 22.51 1.41 0.00 | 18.89 1.25 0.00 | 22.08 1.34 0.00 | 23.66 1.48 -0.01 | 164.78 1.26 -142.57 | 27.51 1.51 -0.80 | 30.96 2.32 -0.92 | 43.32 2.86 -11.34 | 66.39 2.59 -35.17 | 43.00 3.40 -3.58 | 39.04 3.59 -2.13 | 54.51 4.84 -12.19 | 55.79 4.69 -14.02 | 42.04 4.18 -4.59 | 37.59 3.72 -2.38 | 32.66 2.96 -0.34 | 26.75 2.10 0.00 | 25.43 1.85 0.00 |
| WOODARD__115KV_TB2 355635 | 32.29 -0.29 0.00 | 27.06 -0.26 0.00 | 22.65 -0.18 0.00 | 22.92 -0.17 0.00 | 26.78 -0.21 0.00 | 24.56 -0.22 0.00 | 20.88 -0.22 0.00 | 17.44 -0.20 0.00 | 20.53 -0.21 0.00 | 21.98 -0.20 0.00 | 20.78 -0.17 0.00 | 24.97 -0.22 0.00 | 27.48 -0.23 0.00 | 28.83 -0.29 0.00 | 28.32 -0.30 0.00 | 35.61 -0.41 0.00 | 32.97 -0.36 0.00 | 37.18 -0.30 0.00 | 36.86 -0.22 0.00 | 33.06 -0.21 0.00 | 31.24 -0.25 0.00 | 29.05 -0.32 0.00 | 24.38 -0.27 0.00 | 23.42 -0.16 0.00 |
| YORK___WARBASSE 23770 | 34.84 2.26 0.00 | 29.19 1.86 0.00 | 24.22 1.39 0.00 | 24.37 1.28 0.00 | 28.45 1.45 0.00 | 26.12 1.34 0.00 | 22.47 1.37 0.00 | 18.84 1.20 0.00 | 22.21 1.47 0.00 | 23.76 1.58 -0.01 | 164.88 1.38 -142.55 | 27.79 1.79 -0.81 | 30.79 2.14 -0.93 | 42.56 2.40 -11.04 | 66.20 2.40 -35.17 | 43.32 3.06 -4.24 | 37.85 3.01 -1.52 | 41.93 3.94 -0.51 | 40.93 3.85 0.00 | 36.60 3.33 0.00 | 34.24 2.75 0.00 | 31.48 2.12 0.00 | 26.28 1.63 0.00 | 24.95 1.37 0.00 |