

Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

09/24/2023

| Name | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PTID | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT |
| 59TH STREET_GT_1 | 16.93 | 16.10 | 14.38 | 14.12 | 14.01 | 14.37 | 14.03 | 15.64 | 18.19 | 21.28 | 21.19 | 20.72 | 21.05 | 20.98 | 21.17 | 21.17 | 22.71 | 26.20 | 28.05 | 30.29 | 25.85 | 23.44 | 21.08 | 18.28 |
| 24138 | 1.16 | 0.89 | 0.81 | 0.70 | 0.70 | 0.71 | 0.90 | 0.97 | 1.08 | 1.17 | 1.38 | 1.45 | 1.56 | 1.55 | 1.57 | 1.53 | 1.66 | 1.79 | 1.95 | 1.87 | 1.77 | 1.62 | 1.34 | 0.95 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.82 | -0.23 | -0.27 | 0.00 | 0.00 |
| 74TH STREET_GT_1 | 16.93 | 16.10 | 14.39 | 14.12 | 14.01 | 14.37 | 14.05 | 15.64 | 18.19 | 21.30 | 21.19 | 20.74 | 21.05 | 21.00 | 21.17 | 21.17 | 22.74 | 26.22 | 28.07 | 30.44 | 25.88 | 23.43 | 21.12 | 18.30 |
| 24260 | 1.16 | 0.89 | 0.83 | 0.70 | 0.70 | 0.71 | 0.93 | 0.97 | 1.08 | 1.18 | 1.38 | 1.47 | 1.56 | 1.57 | 1.57 | 1.53 | 1.68 | 1.81 | 1.97 | 1.89 | 1.79 | 1.59 | 1.38 | 0.97 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| 74TH STREET_GT_2 | 16.93 | 16.10 | 14.39 | 14.12 | 14.01 | 14.37 | 14.05 | 15.64 | 18.19 | 21.30 | 21.19 | 20.74 | 21.05 | 21.00 | 21.17 | 21.17 | 22.74 | 26.22 | 28.07 | 30.44 | 25.88 | 23.43 | 21.12 | 18.30 |
| 24261 | 1.16 | 0.89 | 0.83 | 0.70 | 0.70 | 0.71 | 0.93 | 0.97 | 1.08 | 1.18 | 1.38 | 1.47 | 1.56 | 1.57 | 1.57 | 1.53 | 1.68 | 1.81 | 1.97 | 1.89 | 1.79 | 1.59 | 1.38 | 0.97 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| ADK HUDSON___FALLS | 16.97 | 16.83 | 14.88 | 15.01 | 14.93 | 15.32 | 14.14 | 15.77 | 18.50 | 22.38 | 21.63 | 20.94 | 20.99 | 20.92 | 21.09 | 21.03 | 22.82 | 27.10 | 28.82 | 31.70 | 26.36 | 23.77 | 21.27 | 18.53 |
| 24011 | 1.16 | 0.96 | 0.90 | 0.76 | 0.77 | 0.89 | 1.02 | 1.10 | 1.34 | 1.41 | 1.69 | 1.65 | 1.50 | 1.50 | 1.49 | 1.39 | 1.77 | 2.01 | 2.40 | 2.30 | 2.19 | 1.85 | 1.54 | 1.20 |
| | -0.20 | -2.97 | -1.84 | -3.75 | -3.81 | -3.46 | 0.00 | 0.00 | -0.26 | -3.83 | -0.57 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.03 | -1.46 | -3.80 | -0.31 | -0.36 | 0.00 | 0.00 |
| ADK RESOURCE___RCVRY | 17.05 | 16.89 | 14.93 | 15.07 | 14.98 | 15.40 | 14.29 | 15.86 | 18.62 | 22.52 | 21.78 | 21.10 | 21.11 | 21.04 | 21.21 | 21.15 | 22.97 | 27.28 | 29.05 | 31.78 | 26.56 | 23.93 | 21.39 | 18.65 |
| 23798 | 1.23 | 1.02 | 0.95 | 0.81 | 0.82 | 0.97 | 1.17 | 1.19 | 1.45 | 1.54 | 1.84 | 1.80 | 1.62 | 1.61 | 1.61 | 1.51 | 1.92 | 2.18 | 2.62 | 2.51 | 2.41 | 2.03 | 1.66 | 1.32 |
| | -0.20 | -2.97 | -1.84 | -3.75 | -3.81 | -3.46 | 0.00 | 0.00 | -0.26 | -3.83 | -0.57 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.03 | -1.46 | -3.67 | -0.30 | -0.35 | 0.00 | 0.00 |
| ADK S GLENS___FALLS | 16.97 | 16.83 | 14.88 | 15.01 | 14.93 | 15.32 | 14.14 | 15.77 | 18.50 | 22.38 | 21.63 | 20.94 | 20.99 | 20.92 | 21.09 | 21.03 | 22.82 | 27.10 | 28.82 | 31.70 | 26.36 | 23.77 | 21.27 | 18.53 |
| 24028 | 1.16 | 0.96 | 0.90 | 0.76 | 0.77 | 0.89 | 1.02 | 1.10 | 1.34 | 1.41 | 1.69 | 1.65 | 1.50 | 1.50 | 1.49 | 1.39 | 1.77 | 2.01 | 2.40 | 2.30 | 2.19 | 1.85 | 1.54 | 1.20 |
| | -0.20 | -2.97 | -1.84 | -3.75 | -3.81 | -3.46 | 0.00 | 0.00 | -0.26 | -3.83 | -0.57 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.03 | -1.46 | -3.80 | -0.31 | -0.36 | 0.00 | 0.00 |
| ADK_NYS___DAM | 16.65 | 16.53 | 14.61 | 14.73 | 14.64 | 14.97 | 13.86 | 15.45 | 18.07 | 21.79 | 21.03 | 20.33 | 20.51 | 20.43 | 20.62 | 20.66 | 22.19 | 26.26 | 27.85 | 30.59 | 25.46 | 23.12 | 20.64 | 18.06 |
| 23527 | 0.84 | 0.75 | 0.69 | 0.59 | 0.59 | 0.64 | 0.73 | 0.78 | 0.91 | 0.93 | 1.10 | 1.03 | 1.01 | 1.01 | 1.02 | 1.02 | 1.14 | 1.26 | 1.47 | 1.43 | 1.31 | 1.23 | 0.91 | 0.73 |
| | -0.19 | -2.88 | -1.79 | -3.64 | -3.69 | -3.35 | 0.00 | 0.00 | -0.26 | -3.71 | -0.55 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.94 | -1.41 | -3.55 | -0.29 | -0.34 | 0.00 | 0.00 |
| AIR_PRODUCTS___DRP | 16.14 | 16.08 | 14.22 | 14.40 | 14.31 | 14.62 | 13.45 | 14.98 | 17.52 | 21.17 | 20.32 | 19.68 | 19.88 | 19.81 | 19.99 | 20.01 | 21.47 | 25.52 | 26.96 | 29.79 | 24.63 | 22.31 | 20.01 | 17.50 |
| 24190 | 0.33 | 0.28 | 0.29 | 0.24 | 0.25 | 0.27 | 0.33 | 0.31 | 0.35 | 0.29 | 0.39 | 0.38 | 0.39 | 0.39 | 0.39 | 0.37 | 0.42 | 0.51 | 0.57 | 0.49 | 0.48 | 0.41 | 0.28 | 0.17 |
| | -0.19 | -2.89 | -1.79 | -3.65 | -3.71 | -3.37 | 0.00 | 0.00 | -0.26 | -3.73 | -0.56 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.95 | -1.42 | -3.70 | -0.30 | -0.35 | 0.00 | 0.00 |
| AKWESSNE_115KV_BK | 15.37 | 12.73 | 11.97 | 10.44 | 10.26 | 10.85 | 12.87 | 14.49 | 16.72 | 17.01 | 19.15 | 18.90 | 19.18 | 19.09 | 19.23 | 19.28 | 20.71 | 21.67 | 24.44 | 25.13 | 23.39 | 21.17 | 19.46 | 17.05 |
| 355683 | -0.25 | -0.23 | -0.19 | -0.13 | -0.17 | -0.19 | -0.25 | -0.18 | -0.19 | -0.21 | -0.23 | -0.25 | -0.31 | -0.33 | -0.37 | -0.35 | -0.34 | -0.44 | -0.55 | -0.54 | -0.48 | -0.39 | -0.28 | -0.28 |
| | 0.00 | -0.05 | -0.03 | -0.06 | -0.06 | -0.06 | 0.00 | 0.00 | 0.00 | -0.07 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.05 | -0.02 | -0.06 | -0.01 | -0.01 | 0.00 | 0.00 |
| ALBANY___1 | 16.14 | 16.08 | 14.22 | 14.40 | 14.31 | 14.62 | 13.45 | 14.98 | 17.52 | 21.17 | 20.32 | 19.68 | 19.88 | 19.81 | 19.99 | 20.01 | 21.47 | 25.52 | 26.96 | 29.79 | 24.63 | 22.31 | 20.01 | 17.50 |
| 23571 | 0.33 | 0.28 | 0.29 | 0.24 | 0.25 | 0.27 | 0.33 | 0.31 | 0.35 | 0.29 | 0.39 | 0.38 | 0.39 | 0.39 | 0.39 | 0.37 | 0.42 | 0.51 | 0.57 | 0.49 | 0.48 | 0.41 | 0.28 | 0.17 |
| | -0.19 | -2.89 | -1.79 | -3.65 | -3.71 | -3.37 | 0.00 | 0.00 | -0.26 | -3.73 | -0.56 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.95 | -1.42 | -3.70 | -0.30 | -0.35 | 0.00 | 0.00 |
| ALBANY___2 | 16.14 | 16.08 | 14.22 | 14.40 | 14.31 | 14.62 | 13.45 | 14.98 | 17.52 | 21.17 | 20.32 | 19.68 | 19.88 | 19.81 | 19.99 | 20.01 | 21.47 | 25.52 | 26.96 | 29.79 | 24.63 | 22.31 | 20.01 | 17.50 |
| 23572 | 0.33 | 0.28 | 0.29 | 0.24 | 0.25 | 0.27 | 0.33 | 0.31 | 0.35 | 0.29 | 0.39 | 0.38 | 0.39 | 0.39 | 0.39 | 0.37 | 0.42 | 0.51 | 0.57 | 0.49 | 0.48 | 0.41 | 0.28 | 0.17 |
| | -0.19 | -2.89 | -1.79 | -3.65 | -3.71 | -3.37 | 0.00 | 0.00 | -0.26 | -3.73 | -0.56 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.95 | -1.42 | -3.70 | -0.30 | -0.35 | 0.00 | 0.00 |
| ALBANY___3 | 16.14 | 16.08 | 14.22 | 14.40 | 14.31 | 14.62 | 13.45 | 14.98 | 17.52 | 21.17 | 20.32 | 19.68 | 19.88 | 19.81 | 19.99 | 20.01 | 21.47 | 25.52 | 26.96 | 29.79 | 24.63 | 22.31 | 20.01 | 17.50 |
| 23573 | 0.33 | 0.28 | 0.29 | 0.24 | 0.25 | 0.27 | 0.33 | 0.31 | 0.35 | 0.29 | 0.39 | 0.38 | 0.39 | 0.39 | 0.39 | 0.37 | 0.42 | 0.51 | 0.57 | 0.49 | 0.48 | 0.41 | 0.28 | 0.17 |
| | -0.19 | -2.89 | -1.79 | -3.65 | -3.71 | -3.37 | 0.00 | 0.00 | -0.26 | -3.73 | -0.56 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.95 | -1.42 | -3.70 | -0.30 | -0.35 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| ALBANY___4 23574 | 16.14 0.33 -0.19 | 16.08 0.28 -2.89 | 14.22 0.29 -1.79 | 14.40 0.24 -3.65 | 14.31 0.25 -3.71 | 14.62 0.27 -3.37 | 13.45 0.33 0.00 | 14.98 0.31 0.00 | 17.52 0.35 -0.26 | 21.17 0.29 -3.73 | 20.32 0.39 -0.56 | 19.68 0.38 -0.15 | 19.88 0.39 0.00 | 19.81 0.39 0.00 | 19.99 0.39 0.00 | 20.01 0.37 0.00 | 21.47 0.42 0.00 | 25.52 0.51 -2.95 | 26.96 0.57 -1.42 | 29.79 0.49 -3.70 | 24.63 0.48 -0.30 | 22.31 0.41 -0.35 | 20.01 0.28 0.00 | 17.50 0.17 0.00 |
| ALBANY___LFGE 323615 | 16.28 0.47 -0.19 | 16.22 0.40 -2.91 | 14.33 0.39 -1.81 | 14.51 0.33 -3.68 | 14.43 0.34 -3.73 | 14.74 0.37 -3.39 | 13.57 0.45 0.00 | 15.10 0.43 0.00 | 17.65 0.49 -0.26 | 21.37 0.46 -3.76 | 20.53 0.60 -0.56 | 19.89 0.59 -0.15 | 20.08 0.58 0.00 | 20.01 0.58 0.00 | 20.19 0.59 0.00 | 20.22 0.59 0.00 | 21.71 0.65 0.00 | 25.79 0.75 -2.97 | 27.25 0.85 -1.43 | 29.96 0.77 -3.59 | 24.89 0.74 -0.29 | 22.54 0.65 -0.34 | 20.17 0.43 0.00 | 17.68 0.35 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 15.44 -0.19 0.00 | 12.78 -0.18 -0.06 | 12.04 -0.13 -0.04 | 10.51 -0.06 -0.07 | 10.32 -0.11 -0.07 | 10.91 -0.13 -0.07 | 12.92 -0.20 0.00 | 14.57 -0.10 0.00 | 16.79 -0.12 -0.01 | 17.10 -0.12 -0.07 | 19.23 -0.15 -0.01 | 18.94 -0.21 0.00 | 19.22 -0.27 0.00 | 19.13 -0.29 0.00 | 19.25 -0.35 0.00 | 19.30 -0.33 0.00 | 20.74 -0.32 0.00 | 21.73 -0.40 -0.06 | 24.47 -0.52 -0.03 | 25.19 -0.49 -0.07 | 23.43 -0.43 -0.01 | 21.26 -0.30 -0.01 | 19.56 -0.18 0.00 | 17.12 -0.21 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 15.44 -0.19 0.00 | 12.78 -0.18 -0.06 | 12.04 -0.13 -0.04 | 10.51 -0.06 -0.07 | 10.32 -0.11 -0.07 | 10.91 -0.13 -0.07 | 12.92 -0.20 0.00 | 14.57 -0.10 0.00 | 16.79 -0.12 -0.01 | 17.10 -0.12 -0.07 | 19.23 -0.15 -0.01 | 18.94 -0.21 0.00 | 19.22 -0.27 0.00 | 19.13 -0.29 0.00 | 19.25 -0.35 0.00 | 19.30 -0.33 0.00 | 20.74 -0.32 0.00 | 21.73 -0.40 -0.06 | 24.47 -0.52 -0.03 | 25.19 -0.49 -0.07 | 23.43 -0.43 -0.01 | 21.26 -0.30 -0.01 | 19.56 -0.18 0.00 | 17.12 -0.21 0.00 |
| ALCOA___DSASP 323711 | 15.44 -0.19 0.00 | 12.78 -0.18 -0.06 | 12.04 -0.13 -0.04 | 10.51 -0.06 -0.07 | 10.32 -0.11 -0.07 | 10.91 -0.13 -0.07 | 12.94 -0.18 0.00 | 14.57 -0.10 0.00 | 16.81 -0.10 -0.01 | 17.10 -0.12 -0.07 | 19.23 -0.16 -0.01 | 18.94 -0.21 0.00 | 19.22 -0.27 0.00 | 19.13 -0.29 0.00 | 19.25 -0.35 0.00 | 19.30 -0.33 0.00 | 20.74 -0.32 0.00 | 21.73 -0.40 -0.06 | 24.47 -0.53 -0.03 | 25.12 -0.49 0.00 | 23.43 -0.43 0.00 | 21.21 -0.35 0.00 | 19.56 -0.18 0.00 | 17.12 -0.21 0.00 |
| ALLEGHENY___COGEN 23514 | 16.22 0.56 -0.03 | 13.93 0.52 -0.51 | 12.91 0.46 -0.32 | 11.48 0.34 -0.64 | 11.41 0.40 -0.65 | 12.00 0.43 -0.59 | 13.69 0.56 0.00 | 15.01 0.34 0.00 | 17.22 0.27 -0.05 | 17.98 0.17 -0.66 | 19.59 0.12 -0.10 | 19.29 0.12 -0.03 | 19.74 0.25 0.00 | 19.76 0.33 0.00 | 20.03 0.43 0.00 | 20.17 0.53 0.00 | 21.47 0.42 0.00 | 23.44 0.86 -0.52 | 26.41 1.20 -0.25 | 27.15 1.08 -0.48 | 24.87 0.98 -0.04 | 22.44 0.84 -0.05 | 20.54 0.81 0.00 | 18.28 0.95 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 16.36 0.55 -0.19 | 16.25 0.45 -2.89 | 14.36 0.42 -1.80 | 14.52 0.36 -3.66 | 14.43 0.36 -3.71 | 14.75 0.40 -3.37 | 13.59 0.47 0.00 | 15.14 0.47 0.00 | 17.70 0.54 -0.26 | 21.42 0.53 -3.74 | 20.57 0.64 -0.56 | 19.94 0.65 -0.15 | 20.15 0.66 0.00 | 20.10 0.68 0.00 | 20.29 0.69 0.00 | 20.30 0.67 0.00 | 21.79 0.74 0.00 | 25.86 0.84 -2.96 | 27.36 0.97 -1.42 | 30.20 0.90 -3.70 | 24.99 0.84 -0.30 | 22.64 0.73 -0.35 | 20.33 0.59 0.00 | 17.76 0.43 0.00 |
| ALTONA_WT_PWR 323606 | 15.72 0.09 0.00 | 12.99 0.03 -0.05 | 12.27 0.10 -0.03 | 10.75 0.18 -0.07 | 10.53 0.10 -0.07 | 11.17 0.13 -0.06 | 13.25 0.13 0.00 | 14.93 0.26 0.00 | 17.26 0.36 0.00 | 17.56 0.34 -0.07 | 19.77 0.39 -0.01 | 19.49 0.34 0.00 | 19.76 0.27 0.00 | 19.66 0.23 0.00 | 19.76 0.16 0.00 | 19.85 0.22 0.00 | 21.37 0.32 0.00 | 22.40 0.29 -0.05 | 25.19 0.20 -0.03 | 25.83 0.23 0.00 | 24.07 0.21 0.00 | 21.72 0.17 0.00 | 19.95 0.22 0.00 | 17.45 0.12 0.00 |
| AMERICAN_REF_FUEL 24010 | 15.29 -0.36 -0.03 | 13.22 -0.15 -0.46 | 12.27 -0.16 -0.29 | 10.87 -0.22 -0.59 | 10.80 -0.16 -0.59 | 11.38 -0.14 -0.54 | 12.87 -0.25 0.00 | 14.00 -0.67 0.00 | 16.08 -0.86 -0.04 | 16.87 -0.87 -0.60 | 18.34 -1.12 -0.09 | 18.08 -1.09 -0.02 | 18.58 -0.92 0.00 | 18.61 -0.82 0.00 | 18.87 -0.72 0.00 | 18.97 -0.67 0.00 | 20.13 -0.93 0.00 | 21.83 -0.71 -0.47 | 24.39 -0.80 -0.23 | 24.87 -1.15 -0.42 | 22.94 -0.96 -0.03 | 20.75 -0.84 -0.04 | 19.14 -0.59 0.00 | 17.31 -0.02 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 15.65 0.00 -0.03 | 13.45 0.04 -0.50 | 12.49 0.04 -0.31 | 11.12 -0.02 -0.64 | 11.07 0.06 -0.65 | 11.65 0.09 -0.59 | 13.27 0.14 0.00 | 14.49 -0.18 0.00 | 16.58 -0.37 -0.04 | 17.44 -0.36 -0.65 | 19.04 -0.43 -0.10 | 18.81 -0.36 -0.03 | 19.34 -0.16 0.00 | 19.37 -0.06 0.00 | 19.64 0.04 0.00 | 19.75 0.12 0.00 | 20.99 -0.06 0.00 | 22.69 0.11 -0.52 | 25.34 0.13 -0.25 | 25.87 -0.21 -0.47 | 23.85 -0.05 -0.04 | 21.64 0.04 -0.04 | 19.91 0.18 0.00 | 17.92 0.59 0.00 |
| ARTHUR_KILL_GT_1 23520 | 16.81 1.03 -0.16 | 16.00 0.79 -2.31 | 14.27 0.70 -1.44 | 14.03 0.61 -2.91 | 13.93 0.61 -2.96 | 14.25 0.60 -2.67 | 13.87 0.76 0.01 | 15.45 0.79 0.01 | 17.98 0.88 -0.20 | 21.12 1.01 -2.96 | 21.03 1.22 -0.43 | 20.61 1.36 -0.11 | 20.93 1.44 0.01 | 20.87 1.46 0.01 | 21.04 1.45 0.01 | 21.04 1.41 0.01 | 22.62 1.58 0.01 | 26.10 1.70 -2.34 | 27.94 1.85 -1.12 | 30.23 1.82 -2.81 | 25.75 1.67 -0.22 | 23.30 1.49 -0.26 | 20.97 1.24 0.01 | 18.15 0.83 0.01 |
| ARTHUR_KILL_2 23512 | 16.78 1.00 -0.16 | 15.96 0.75 -2.31 | 14.25 0.68 -1.44 | 14.01 0.59 -2.91 | 13.90 0.59 -2.96 | 14.23 0.58 -2.67 | 13.85 0.73 0.01 | 15.42 0.76 0.01 | 17.95 0.84 -0.20 | 21.08 0.98 -2.96 | 20.97 1.16 -0.43 | 20.56 1.30 -0.11 | 20.89 1.40 0.01 | 20.82 1.40 0.01 | 20.98 1.39 0.01 | 21.00 1.37 0.01 | 22.58 1.54 0.01 | 26.04 1.63 -2.34 | 27.89 1.80 -1.12 | 30.16 1.74 -2.81 | 25.68 1.60 -0.22 | 23.26 1.44 -0.26 | 20.93 1.20 0.01 | 18.10 0.78 0.01 |
| ARTHUR_KILL_3 23513 | 16.82 1.05 -0.15 | 16.01 0.80 -2.30 | 14.30 0.74 -1.43 | 14.04 0.63 -2.91 | 13.94 0.63 -2.95 | 14.30 0.65 -2.68 | 13.95 0.83 0.00 | 15.55 0.88 0.00 | 18.07 0.96 -0.20 | 21.16 1.05 -2.97 | 21.04 1.22 -0.44 | 20.58 1.32 -0.12 | 20.88 1.38 0.00 | 20.82 1.40 0.00 | 21.01 1.41 0.00 | 21.01 1.37 0.00 | 22.55 1.49 0.00 | 26.00 1.59 -2.35 | 27.80 1.70 -1.13 | 30.06 1.64 -2.82 | 25.68 1.60 -0.23 | 23.29 1.47 -0.27 | 20.94 1.20 0.00 | 18.16 0.83 0.00 |
| ARTHUR_KILL_COGEN 323718 | 16.81 1.03 -0.16 | 16.00 0.79 -2.31 | 14.27 0.70 -1.44 | 14.03 0.61 -2.91 | 13.93 0.61 -2.96 | 14.25 0.60 -2.67 | 13.87 0.76 0.01 | 15.45 0.79 0.01 | 17.98 0.88 -0.20 | 21.12 1.01 -2.96 | 21.03 1.22 -0.43 | 20.61 1.36 -0.11 | 20.93 1.44 0.01 | 20.87 1.46 0.01 | 21.04 1.45 0.01 | 21.04 1.41 0.01 | 22.62 1.58 0.01 | 26.10 1.70 -2.34 | 27.94 1.85 -1.12 | 30.23 1.82 -2.81 | 25.75 1.67 -0.22 | 23.30 1.49 -0.26 | 20.97 1.24 0.01 | 18.15 0.83 0.01 |
| ASHOKAN____ 23654 | 16.65 0.86 -0.17 | 15.70 0.22 -2.58 | 13.94 0.21 -1.60 | 13.94 0.18 -3.26 | 13.86 0.20 -3.30 | 14.14 0.16 -3.00 | 13.78 0.66 0.00 | 15.30 0.63 0.00 | 17.72 0.59 -0.23 | 20.64 0.17 -3.32 | 20.70 0.83 -0.50 | 20.08 0.80 -0.13 | 20.31 0.82 0.00 | 20.22 0.80 0.00 | 20.40 0.80 0.00 | 20.44 0.81 0.00 | 22.06 1.01 0.00 | 25.16 0.46 -2.63 | 26.93 0.70 -1.27 | 29.31 0.54 -3.17 | 25.12 1.00 -0.26 | 22.82 0.97 -0.30 | 20.43 0.69 0.00 | 17.90 0.57 0.00 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ASTORIA_EAST_ENERGY_CC1 323581 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.13 1.00 -0.01 | 15.66 0.98 -0.01 | 18.15 1.03 -0.21 | 21.27 1.15 -2.97 | 21.18 1.36 -0.45 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.29 1.87 -2.36 | 28.20 2.10 -1.14 | 30.48 2.05 -2.83 | 26.03 1.93 -0.24 | 23.62 1.79 -0.28 | 21.22 1.48 -0.01 | 18.48 1.14 -0.01 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.13 1.00 -0.01 | 15.66 0.98 -0.01 | 18.15 1.03 -0.21 | 21.27 1.15 -2.97 | 21.18 1.36 -0.45 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.29 1.87 -2.36 | 28.20 2.10 -1.14 | 30.48 2.05 -2.83 | 26.03 1.93 -0.24 | 23.62 1.79 -0.28 | 21.22 1.48 -0.01 | 18.48 1.14 -0.01 |
| ASTORIA_GT2_1 24094 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT2_2 24095 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT2_3 24096 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT2_4 24097 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT3_1 24098 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT3_2 24099 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT3_3 24100 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT3_4 24101 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT4_1 24102 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT4_2 24103 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT4_3 24104 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT4_4 24105 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.15 1.02 -0.01 | 15.66 0.98 -0.01 | 18.17 1.05 -0.22 | 21.28 1.15 -2.98 | 21.19 1.36 -0.46 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.60 2.05 -2.95 | 26.04 1.93 -0.25 | 23.61 1.77 -0.29 | 21.24 1.50 -0.01 | 18.50 1.16 -0.01 |
| ASTORIA_GT_1 23523 | 17.09 1.31 -0.16 | 16.25 1.03 -2.31 | 14.53 0.96 -1.44 | 14.25 0.83 -2.91 | 14.12 0.81 -2.96 | 14.51 0.85 -2.69 | 14.15 1.02 -0.01 | 15.69 1.01 -0.01 | 18.18 1.07 -0.21 | 21.31 1.18 -2.97 | 21.22 1.40 -0.45 | 20.78 1.51 -0.13 | 21.14 1.64 -0.01 | 21.07 1.63 -0.01 | 21.27 1.66 -0.01 | 21.29 1.65 -0.01 | 22.83 1.77 -0.01 | 26.32 1.90 -2.36 | 28.25 2.15 -1.14 | 30.53 2.10 -2.83 | 26.07 1.98 -0.24 | 23.66 1.83 -0.28 | 21.24 1.50 -0.01 | 18.52 1.18 -0.01 |

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|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ASTORIA_GT_10 24110 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.05 0.93 0.00 | 15.61 0.94 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.17 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.44 1.89 -2.94 | 25.88 1.79 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.33 0.99 -0.01 |
| ASTORIA_GT_11 24225 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.05 0.93 0.00 | 15.61 0.94 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.17 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.44 1.89 -2.94 | 25.88 1.79 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.33 0.99 -0.01 |
| ASTORIA_GT_12 24226 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.05 0.93 0.00 | 15.61 0.94 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.17 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.44 1.89 -2.94 | 25.88 1.79 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.33 0.99 -0.01 |
| ASTORIA_GT_13 24227 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.05 0.93 0.00 | 15.61 0.94 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.17 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.44 1.89 -2.94 | 25.88 1.79 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.33 0.99 -0.01 |
| ASTORIA_GT_5 24106 | 17.09 1.31 -0.16 | 16.25 1.03 -2.31 | 14.53 0.96 -1.44 | 14.25 0.83 -2.91 | 14.12 0.81 -2.96 | 14.51 0.85 -2.69 | 14.15 1.02 -0.01 | 15.69 1.01 -0.01 | 18.18 1.07 -0.21 | 21.31 1.18 -2.97 | 21.22 1.40 -0.45 | 20.78 1.51 -0.13 | 21.14 1.64 -0.01 | 21.07 1.63 -0.01 | 21.27 1.66 -0.01 | 21.29 1.65 -0.01 | 22.83 1.77 -0.01 | 26.32 1.90 -2.36 | 28.25 2.15 -1.14 | 30.53 2.10 -2.83 | 26.07 1.98 -0.24 | 23.66 1.83 -0.28 | 21.24 1.50 -0.01 | 18.52 1.18 -0.01 |
| ASTORIA_GT_7 24107 | 17.09 1.31 -0.16 | 16.25 1.03 -2.31 | 14.53 0.96 -1.44 | 14.25 0.83 -2.91 | 14.12 0.81 -2.96 | 14.51 0.85 -2.69 | 14.15 1.02 -0.01 | 15.69 1.01 -0.01 | 18.18 1.07 -0.21 | 21.31 1.18 -2.97 | 21.22 1.40 -0.45 | 20.78 1.51 -0.13 | 21.14 1.64 -0.01 | 21.07 1.63 -0.01 | 21.27 1.66 -0.01 | 21.29 1.65 -0.01 | 22.83 1.77 -0.01 | 26.32 1.90 -2.36 | 28.25 2.15 -1.14 | 30.53 2.10 -2.83 | 26.07 1.98 -0.24 | 23.66 1.83 -0.28 | 21.24 1.50 -0.01 | 18.52 1.18 -0.01 |
| ASTORIA_GT_8 24108 | 17.09 1.31 -0.16 | 16.25 1.03 -2.31 | 14.53 0.96 -1.44 | 14.25 0.83 -2.91 | 14.12 0.81 -2.96 | 14.51 0.85 -2.69 | 14.17 1.04 -0.01 | 15.69 1.01 -0.01 | 18.19 1.06 -0.22 | 21.31 1.18 -2.98 | 21.22 1.39 -0.46 | 20.78 1.51 -0.13 | 21.14 1.64 -0.01 | 21.06 1.63 -0.01 | 21.27 1.67 -0.01 | 21.29 1.65 -0.01 | 22.83 1.77 -0.01 | 26.32 1.90 -2.36 | 28.25 2.15 -1.14 | 30.65 2.10 -2.95 | 26.06 1.96 -0.25 | 23.63 1.79 -0.29 | 21.28 1.54 -0.01 | 18.52 1.18 -0.01 |
| ASTORIA___2 24149 | 17.06 1.28 -0.16 | 16.23 1.02 -2.31 | 14.52 0.95 -1.44 | 14.23 0.81 -2.91 | 14.11 0.80 -2.96 | 14.49 0.82 -2.69 | 14.13 1.00 -0.01 | 15.66 0.98 -0.01 | 18.15 1.03 -0.21 | 21.27 1.15 -2.97 | 21.18 1.36 -0.45 | 20.75 1.47 -0.13 | 21.10 1.60 -0.01 | 21.03 1.59 -0.01 | 21.23 1.63 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.29 1.87 -2.36 | 28.20 2.10 -1.14 | 30.48 2.05 -2.83 | 26.03 1.93 -0.24 | 23.62 1.79 -0.28 | 21.22 1.48 -0.01 | 18.48 1.14 -0.01 |
| ASTORIA___3 23516 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.03 0.90 0.00 | 15.61 0.94 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.18 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.08 1.97 -1.14 | 30.32 1.89 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.10 1.36 -0.01 | 18.33 0.99 -0.01 |
| ASTORIA___4 23517 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.05 0.93 0.00 | 15.61 0.94 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.17 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.44 1.89 -2.94 | 25.88 1.79 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.33 0.99 -0.01 |
| ASTORIA___5 23518 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.03 0.90 0.00 | 15.61 0.94 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.18 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.32 1.89 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.10 1.36 -0.01 | 18.33 0.99 -0.01 |
| AST_ENERGY_2_CC3 323677 | 16.85 1.08 -0.15 | 16.03 0.83 -2.30 | 14.32 0.75 -1.43 | 14.06 0.65 -2.91 | 13.96 0.65 -2.95 | 14.32 0.66 -2.68 | 13.96 0.84 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.18 1.06 -2.97 | 21.07 1.26 -0.44 | 20.62 1.36 -0.12 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.59 1.54 0.00 | 26.04 1.63 -2.35 | 27.87 1.77 -1.13 | 30.14 1.72 -2.82 | 25.73 1.64 -0.23 | 23.31 1.49 -0.27 | 20.98 1.24 0.00 | 18.20 0.87 0.00 |
| AST_ENERGY_2_CC4 323678 | 16.85 1.08 -0.15 | 16.03 0.83 -2.30 | 14.32 0.75 -1.43 | 14.06 0.65 -2.91 | 13.96 0.65 -2.95 | 14.32 0.66 -2.68 | 13.96 0.84 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.18 1.06 -2.97 | 21.07 1.26 -0.44 | 20.62 1.36 -0.12 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.59 1.54 0.00 | 26.04 1.63 -2.35 | 27.87 1.77 -1.13 | 30.14 1.72 -2.82 | 25.73 1.64 -0.23 | 23.31 1.49 -0.27 | 20.98 1.24 0.00 | 18.20 0.87 0.00 |
| ATHENS_STG_1 23668 | 16.46 0.67 -0.17 | 16.03 0.54 -2.58 | 14.24 0.50 -1.60 | 14.19 0.42 -3.27 | 14.10 0.42 -3.31 | 14.44 0.45 -3.01 | 13.67 0.55 0.00 | 15.23 0.56 0.00 | 17.78 0.64 -0.23 | 21.15 0.67 -3.33 | 20.66 0.79 -0.50 | 20.08 0.80 -0.13 | 20.33 0.84 0.00 | 20.26 0.83 0.00 | 20.44 0.84 0.00 | 20.46 0.82 0.00 | 21.96 0.90 0.00 | 25.72 1.02 -2.64 | 27.39 1.15 -1.27 | 29.86 1.08 -3.18 | 25.12 1.00 -0.26 | 22.78 0.93 -0.30 | 20.44 0.71 0.00 | 17.85 0.52 0.00 |
| ATHENS_STG_2 23670 | 16.46 0.67 -0.17 | 16.03 0.54 -2.58 | 14.24 0.50 -1.60 | 14.19 0.42 -3.27 | 14.10 0.42 -3.31 | 14.44 0.45 -3.01 | 13.67 0.55 0.00 | 15.23 0.56 0.00 | 17.78 0.64 -0.23 | 21.15 0.67 -3.33 | 20.66 0.79 -0.50 | 20.08 0.80 -0.13 | 20.33 0.84 0.00 | 20.26 0.83 0.00 | 20.44 0.84 0.00 | 20.46 0.82 0.00 | 21.96 0.90 0.00 | 25.72 1.02 -2.64 | 27.39 1.15 -1.27 | 29.86 1.08 -3.18 | 25.12 1.00 -0.26 | 22.78 0.93 -0.30 | 20.44 0.71 0.00 | 17.85 0.52 0.00 |

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|---------------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------------------|
| ATHENS_STG_3 23677 | 16.46 0.67 -0.17 | 16.03 0.54 -2.58 | 14.24 0.50 -1.60 | 14.19 0.42 -3.27 | 14.10 0.42 -3.31 | 14.44 0.45 -3.01 | 13.67 0.55 0.00 | 15.23 0.56 0.00 | 17.78 0.64 -0.23 | 21.15 0.67 -3.33 | 20.66 0.79 -0.50 | 20.08 0.80 -0.13 | 20.33 0.84 0.00 | 20.26 0.83 0.00 | 20.44 0.84 0.00 | 20.46 0.82 0.00 | 21.96 0.90 0.00 | 25.72 1.02 -2.64 | 27.39 1.15 -1.27 | 29.86 1.08 -3.18 | 25.12 1.00 -0.26 | 22.78 0.93 -0.30 | 20.44 0.71 0.00 | 17.85 0.52 0.00 |
| AUBURN____LFGE 323710 | 15.84 0.19 -0.03 | 13.49 0.17 -0.42 | 12.54 0.15 -0.26 | 11.13 0.09 -0.53 | 11.03 0.13 -0.54 | 11.62 0.15 -0.49 | 13.34 0.22 0.00 | 14.79 0.12 0.00 | 17.06 0.12 -0.04 | 17.79 0.10 -0.54 | 19.57 0.12 -0.08 | 19.30 0.13 -0.02 | 19.67 0.18 0.00 | 19.64 0.21 0.00 | 19.83 0.24 0.00 | 19.91 0.27 0.00 | 21.24 0.19 0.00 | 22.91 0.42 -0.43 | 25.70 0.52 -0.21 | 26.60 0.46 -0.53 | 24.28 0.38 -0.04 | 21.88 0.28 -0.05 | 19.95 0.22 0.00 | 17.61 0.28 0.00 |
| BABYLON_RES_REC 323704 | 17.08 1.31 -0.15 | 16.17 0.97 -2.30 | 14.45 0.89 -1.43 | 14.17 0.76 -2.91 | 14.03 0.72 -2.95 | 14.39 0.74 -2.68 | 14.16 1.04 0.00 | 15.67 1.00 0.00 | 18.38 1.27 -0.20 | 21.44 1.32 -2.97 | 21.59 1.76 -0.46 | 21.08 1.80 -0.14 | 22.17 1.87 -0.80 | 23.84 1.88 -2.53 | 24.28 1.92 -2.76 | 25.26 1.90 -3.72 | 27.76 2.10 -4.61 | 29.64 2.27 -5.30 | 30.12 2.57 -2.58 | 32.32 2.54 -4.18 | 26.97 2.31 -0.80 | 24.47 2.07 -0.85 | 21.37 1.64 0.00 | 18.32 0.99 0.00 |
| BABYLON__69_KV_BK2 356345 | 17.26 1.48 -0.15 | 16.32 1.11 -2.30 | 14.58 1.02 -1.43 | 14.28 0.87 -2.91 | 14.14 0.83 -2.95 | 14.50 0.85 -2.68 | 14.42 1.30 0.00 | 15.83 1.16 0.00 | 18.56 1.45 -0.20 | 21.63 1.51 -2.97 | 21.83 2.00 -0.46 | 21.33 2.05 -0.14 | 22.44 2.14 -0.80 | 24.11 2.16 -2.53 | 24.54 2.18 -2.76 | 25.54 2.18 -3.72 | 28.06 2.40 -4.61 | 29.95 2.58 -5.30 | 30.47 2.92 -2.58 | 32.77 2.87 -4.30 | 27.32 2.65 -0.81 | 24.74 2.33 -0.86 | 21.63 1.89 0.00 | 18.53 1.20 0.00 |
| BALL_HILL_WT_PWR 323825 | 15.67 0.02 -0.03 | 13.45 0.05 -0.50 | 12.48 0.04 -0.31 | 11.09 -0.04 -0.63 | 11.02 0.03 -0.64 | 11.61 0.05 -0.58 | 13.24 0.12 0.00 | 14.42 -0.25 0.00 | 16.49 -0.46 -0.04 | 17.31 -0.48 -0.64 | 18.77 -0.70 -0.10 | 18.60 -0.57 -0.03 | 19.16 -0.33 0.00 | 19.19 -0.23 0.00 | 19.50 -0.10 0.00 | 19.60 -0.04 0.00 | 20.80 -0.25 0.00 | 22.46 -0.11 -0.51 | 25.09 -0.12 -0.24 | 25.78 -0.46 -0.63 | 23.57 -0.33 -0.05 | 21.20 -0.41 -0.06 | 19.58 -0.16 0.00 | 17.78 0.45 0.00 |
| BARON_WINDS____WT_PWR 323822 | 15.69 0.03 -0.04 | 13.54 0.03 -0.61 | 12.53 0.01 -0.38 | 11.24 -0.04 -0.77 | 11.16 0.02 -0.78 | 11.72 0.03 -0.71 | 13.23 0.10 0.00 | 14.54 -0.13 0.00 | 16.67 -0.29 -0.05 | 17.63 -0.31 -0.79 | 19.14 -0.35 -0.12 | 18.89 -0.29 -0.03 | 19.36 -0.14 0.00 | 19.35 -0.08 0.00 | 19.64 0.04 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.73 0.04 -0.62 | 25.37 0.10 -0.30 | 26.11 -0.10 -0.61 | 23.88 -0.02 -0.05 | 21.67 0.06 -0.06 | 19.85 0.12 0.00 | 17.71 0.38 0.00 |
| BARRETT_IC_1 23704 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_10 23701 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_11 23702 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_12 23703 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_2 23705 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_3 23706 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_4 23707 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_5 23708 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_6 23709 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------------------|
| BARRETT_IC_7 23710 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.31 0.65 -2.68 | 14.12 1.00 0.00 | 15.55 0.88 0.00 | 18.22 1.12 -0.20 | 21.28 1.17 -2.97 | 21.38 1.55 -0.46 | 20.85 1.57 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.87 1.97 -4.30 | 26.53 1.86 -0.81 | 24.12 1.70 -0.86 | 21.18 1.44 0.00 | 18.20 0.87 0.00 |
| BARRETT_IC_8 23711 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT_IC_9 23700 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT___1 23545 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BARRETT___2 23546 | 16.93 1.16 -0.15 | 16.07 0.86 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.95 0.64 -2.95 | 14.30 0.65 -2.68 | 14.03 0.90 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.28 1.17 -2.97 | 21.40 1.57 -0.46 | 20.87 1.59 -0.14 | 21.95 1.66 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.95 1.59 -3.72 | 27.34 1.68 -4.61 | 29.18 1.81 -5.30 | 29.59 2.05 -2.58 | 31.78 2.00 -4.18 | 26.52 1.86 -0.80 | 24.15 1.74 -0.85 | 21.16 1.42 0.00 | 18.18 0.85 0.00 |
| BATAVIA___115KV_TB1 55881 | 15.79 0.14 -0.03 | 13.58 0.23 -0.44 | 12.60 0.19 -0.27 | 11.16 0.09 -0.56 | 11.08 0.16 -0.57 | 11.67 0.18 -0.51 | 13.34 0.22 0.00 | 14.49 -0.18 0.00 | 16.67 -0.27 -0.04 | 17.41 -0.31 -0.57 | 19.03 -0.43 -0.08 | 18.71 -0.46 -0.02 | 19.26 -0.23 0.00 | 19.27 -0.16 0.00 | 19.54 -0.06 0.00 | 19.64 0.00 0.00 | 20.86 -0.19 0.00 | 22.65 0.13 -0.45 | 25.38 0.20 -0.22 | 26.09 -0.08 -0.56 | 23.88 -0.02 -0.05 | 21.45 -0.15 -0.05 | 19.68 -0.06 0.00 | 17.83 0.50 0.00 |
| BAYONEEC___CTG1 323682 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BAYONEEC___CTG10 323750 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BAYONEEC___CTG2 323683 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BAYONEEC___CTG3 323684 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BAYONEEC___CTG4 323685 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BAYONEEC___CTG5 323686 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BAYONEEC___CTG6 323687 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BAYONEEC___CTG7 323688 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BAYONEEC___CTG8 323689 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| BAYONEEC___CTG9 323749 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BEACON___LESR 323632 | 16.39 0.58 -0.19 | 16.27 0.48 -2.89 | 14.39 0.46 -1.79 | 14.53 0.38 -3.65 | 14.45 0.39 -3.70 | 14.78 0.44 -3.36 | 13.67 0.55 0.00 | 15.23 0.56 0.00 | 17.80 0.64 -0.26 | 21.49 0.62 -3.73 | 20.70 0.78 -0.56 | 20.04 0.75 -0.15 | 20.23 0.74 0.00 | 20.14 0.72 0.00 | 20.32 0.73 0.00 | 20.34 0.71 0.00 | 21.85 0.80 0.00 | 25.94 0.93 -2.95 | 27.43 1.05 -1.42 | 30.14 0.97 -3.57 | 25.08 0.93 -0.29 | 22.69 0.80 -0.34 | 20.31 0.57 0.00 | 17.76 0.43 0.00 |
| BEAVER RIVER___HYD 24048 | 15.67 0.03 -0.01 | 13.13 0.03 -0.20 | 12.27 0.01 -0.12 | 10.77 0.01 -0.25 | 10.61 0.00 -0.25 | 11.25 0.04 -0.23 | 13.19 0.07 0.00 | 14.68 0.01 0.00 | 16.97 0.05 -0.02 | 17.46 0.05 -0.26 | 19.41 0.00 -0.04 | 19.06 -0.10 -0.01 | 19.34 -0.16 0.00 | 19.27 -0.16 0.00 | 19.44 -0.16 0.00 | 19.48 -0.16 0.00 | 20.91 -0.15 0.00 | 22.27 0.00 -0.20 | 25.16 0.10 -0.10 | 25.78 0.08 -0.10 | 23.91 0.05 -0.01 | 21.60 0.04 -0.01 | 19.79 0.06 0.00 | 17.38 0.05 0.00 |
| BEEBEE_GT_13 23619 | 15.73 0.08 -0.03 | 13.49 0.18 -0.40 | 12.53 0.15 -0.25 | 11.08 0.07 -0.51 | 11.00 0.12 -0.51 | 11.58 0.13 -0.47 | 13.24 0.12 0.00 | 14.51 -0.16 0.00 | 16.75 -0.19 -0.04 | 17.48 -0.19 -0.52 | 19.20 -0.25 -0.08 | 18.84 -0.33 -0.02 | 19.32 -0.18 0.00 | 19.29 -0.14 0.00 | 19.54 -0.06 0.00 | 19.62 -0.02 0.00 | 20.88 -0.17 0.00 | 22.61 0.13 -0.41 | 25.39 0.22 -0.20 | 26.11 0.00 -0.51 | 23.92 0.02 -0.04 | 21.51 -0.09 -0.05 | 19.66 -0.08 0.00 | 17.63 0.29 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 16.98 1.20 -0.16 | 16.14 0.93 -2.31 | 14.41 0.84 -1.44 | 14.14 0.72 -2.91 | 14.04 0.73 -2.96 | 14.38 0.72 -2.68 | 14.05 0.93 0.00 | 15.62 0.95 0.00 | 18.17 1.06 -0.20 | 21.32 1.20 -2.97 | 21.25 1.43 -0.44 | 20.81 1.55 -0.12 | 21.16 1.66 -0.01 | 21.10 1.67 -0.01 | 21.27 1.67 -0.01 | 21.27 1.63 -0.01 | 22.87 1.81 -0.01 | 26.36 1.94 -2.36 | 28.23 2.12 -1.14 | 30.62 2.07 -2.94 | 26.00 1.91 -0.24 | 23.54 1.70 -0.29 | 21.22 1.48 -0.01 | 18.36 1.02 -0.01 |
| BETHLEHEM___GRP 23843 | 16.14 0.33 -0.19 | 16.08 0.28 -2.89 | 14.22 0.29 -1.79 | 14.40 0.24 -3.65 | 14.31 0.25 -3.71 | 14.62 0.27 -3.37 | 13.45 0.33 0.00 | 14.98 0.31 0.00 | 17.52 0.35 -0.26 | 21.17 0.29 -3.73 | 20.32 0.39 -0.56 | 19.68 0.38 -0.15 | 19.88 0.39 0.00 | 19.81 0.39 0.00 | 19.99 0.39 0.00 | 20.01 0.37 0.00 | 21.47 0.42 0.00 | 25.52 0.51 -2.95 | 26.96 0.57 -1.42 | 29.79 0.49 -3.70 | 24.63 0.48 -0.30 | 22.31 0.41 -0.35 | 20.01 0.28 0.00 | 17.50 0.17 0.00 |
| BETHLEHEM___GS1 323560 | 16.14 0.33 -0.19 | 16.08 0.28 -2.89 | 14.22 0.29 -1.79 | 14.40 0.24 -3.65 | 14.31 0.25 -3.71 | 14.62 0.27 -3.37 | 13.45 0.33 0.00 | 14.98 0.31 0.00 | 17.50 0.34 -0.26 | 21.17 0.29 -3.73 | 20.32 0.39 -0.56 | 19.68 0.38 -0.15 | 19.88 0.39 0.00 | 19.81 0.39 0.00 | 19.99 0.39 0.00 | 20.01 0.37 0.00 | 21.47 0.42 0.00 | 25.52 0.51 -2.95 | 26.96 0.57 -1.42 | 29.66 0.49 -3.57 | 24.62 0.48 -0.29 | 22.32 0.43 -0.34 | 19.97 0.24 0.00 | 17.50 0.17 0.00 |
| BETHLEHEM___GS2 323561 | 16.14 0.33 -0.19 | 16.08 0.28 -2.89 | 14.22 0.29 -1.79 | 14.40 0.24 -3.65 | 14.31 0.25 -3.71 | 14.62 0.27 -3.37 | 13.45 0.33 0.00 | 14.98 0.31 0.00 | 17.50 0.34 -0.26 | 21.17 0.29 -3.73 | 20.32 0.39 -0.56 | 19.68 0.38 -0.15 | 19.88 0.39 0.00 | 19.81 0.39 0.00 | 19.99 0.39 0.00 | 20.01 0.37 0.00 | 21.47 0.42 0.00 | 25.52 0.51 -2.95 | 26.96 0.57 -1.42 | 29.66 0.49 -3.57 | 24.62 0.48 -0.29 | 22.32 0.43 -0.34 | 19.97 0.24 0.00 | 17.50 0.17 0.00 |
| BETHLEHEM___GS3 323562 | 16.14 0.33 -0.19 | 16.08 0.28 -2.89 | 14.22 0.29 -1.79 | 14.40 0.24 -3.65 | 14.31 0.25 -3.71 | 14.62 0.27 -3.37 | 13.45 0.33 0.00 | 14.98 0.31 0.00 | 17.50 0.34 -0.26 | 21.17 0.29 -3.73 | 20.32 0.39 -0.56 | 19.68 0.38 -0.15 | 19.88 0.39 0.00 | 19.81 0.39 0.00 | 19.99 0.39 0.00 | 20.01 0.37 0.00 | 21.47 0.42 0.00 | 25.52 0.51 -2.95 | 26.96 0.57 -1.42 | 29.66 0.49 -3.57 | 24.62 0.48 -0.29 | 22.32 0.43 -0.34 | 19.97 0.24 0.00 | 17.50 0.17 0.00 |
| BETHLEHEM___STEEL 23779 | 15.62 -0.03 -0.03 | 13.41 0.01 -0.49 | 12.44 0.00 -0.30 | 11.04 -0.08 -0.61 | 10.97 -0.01 -0.62 | 11.56 0.01 -0.57 | 13.19 0.07 0.00 | 14.35 -0.32 0.00 | 16.41 -0.54 -0.04 | 17.19 -0.58 -0.63 | 18.67 -0.79 -0.09 | 18.50 -0.67 -0.03 | 19.06 -0.43 0.00 | 19.09 -0.33 0.00 | 19.40 -0.20 0.00 | 19.48 -0.16 0.00 | 20.69 -0.36 0.00 | 22.32 -0.24 -0.50 | 24.91 -0.30 -0.24 | 25.61 -0.61 -0.62 | 23.43 -0.48 -0.05 | 21.07 -0.54 -0.06 | 19.48 -0.26 0.00 | 17.69 0.36 0.00 |
| BETHLHEM_115KV_TB1 79974 | 16.19 0.37 -0.19 | 16.12 0.32 -2.89 | 14.24 0.32 -1.79 | 14.42 0.26 -3.65 | 14.33 0.27 -3.71 | 14.64 0.30 -3.37 | 13.48 0.35 0.00 | 15.01 0.34 0.00 | 17.55 0.39 -0.26 | 21.22 0.34 -3.73 | 20.35 0.43 -0.56 | 19.73 0.44 -0.15 | 19.94 0.45 0.00 | 19.87 0.45 0.00 | 20.05 0.45 0.00 | 20.07 0.43 0.00 | 21.54 0.48 0.00 | 25.59 0.57 -2.95 | 27.04 0.65 -1.42 | 29.89 0.59 -3.70 | 24.71 0.55 -0.30 | 22.38 0.47 -0.35 | 20.09 0.36 0.00 | 17.56 0.23 0.00 |
| BETHPAGE_CC_5 323564 | 17.04 1.26 -0.15 | 16.15 0.94 -2.30 | 14.42 0.86 -1.43 | 14.15 0.74 -2.91 | 14.01 0.70 -2.95 | 14.37 0.71 -2.68 | 14.13 1.01 0.00 | 15.65 0.98 0.00 | 18.34 1.23 -0.20 | 21.39 1.27 -2.97 | 21.52 1.68 -0.46 | 21.00 1.72 -0.14 | 22.09 1.79 -0.80 | 23.76 1.81 -2.53 | 24.18 1.82 -2.76 | 25.12 1.77 -3.72 | 27.59 1.94 -4.61 | 29.47 2.10 -5.30 | 29.89 2.35 -2.58 | 32.11 2.33 -4.18 | 26.78 2.12 -0.80 | 24.37 1.96 -0.85 | 21.28 1.54 0.00 | 18.27 0.94 0.00 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 15.61 -0.05 -0.03 | 13.36 -0.04 -0.49 | 12.39 -0.05 -0.30 | 11.01 -0.12 -0.62 | 10.94 -0.04 -0.63 | 11.53 -0.02 -0.57 | 13.17 0.05 0.00 | 14.35 -0.32 0.00 | 16.37 -0.57 -0.04 | 17.16 -0.62 -0.63 | 18.61 -0.85 -0.09 | 18.50 -0.67 -0.03 | 19.06 -0.43 0.00 | 19.09 -0.33 0.00 | 19.40 -0.20 0.00 | 19.48 -0.16 0.00 | 20.69 -0.36 0.00 | 22.28 -0.29 -0.50 | 24.88 -0.32 -0.24 | 25.56 -0.67 -0.63 | 23.38 -0.52 -0.05 | 21.03 -0.58 -0.06 | 19.48 -0.26 0.00 | 17.69 0.36 0.00 |
| BINGHAMTON___COGEN 23790 | 15.91 0.23 -0.05 | 13.93 0.19 -0.83 | 12.81 0.16 -0.52 | 11.66 0.11 -1.05 | 11.57 0.15 -1.07 | 12.10 0.15 -0.97 | 13.37 0.25 0.00 | 14.79 0.12 0.00 | 17.06 0.08 -0.07 | 18.29 0.07 -1.07 | 19.57 0.04 -0.16 | 19.30 0.11 -0.04 | 19.67 0.18 0.00 | 19.64 0.21 0.00 | 19.85 0.25 0.00 | 19.91 0.27 0.00 | 21.26 0.21 0.00 | 23.27 0.35 -0.85 | 25.80 0.42 -0.41 | 26.97 0.31 -1.06 | 24.23 0.29 -0.09 | 21.87 0.22 -0.10 | 19.95 0.22 0.00 | 17.64 0.31 0.00 |
| BIXINCNT_115KV_LOAD 355685 | 15.37 -0.28 -0.03 | 13.12 -0.30 -0.51 | 12.12 -0.33 -0.32 | 10.82 -0.33 -0.64 | 10.82 -0.19 -0.65 | 11.41 -0.16 -0.59 | 13.08 -0.04 0.00 | 14.29 -0.38 0.00 | 16.24 -0.71 -0.05 | 17.02 -0.79 -0.66 | 18.38 -1.08 -0.10 | 18.42 -0.75 -0.03 | 18.99 -0.51 0.00 | 19.06 -0.37 0.00 | 19.36 -0.24 0.00 | 19.46 -0.18 0.00 | 20.69 -0.36 0.00 | 22.16 -0.42 -0.52 | 24.77 -0.45 -0.25 | 25.49 -0.77 -0.65 | 23.24 -0.67 -0.05 | 20.88 -0.73 -0.06 | 19.40 -0.34 0.00 | 17.56 0.23 0.00 |

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|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| BLACK RIVER___HYD 24047 | 15.98 0.34 -0.02 | 13.47 0.30 -0.26 | 12.54 0.24 -0.16 | 11.03 0.19 -0.33 | 10.89 0.20 -0.34 | 11.55 0.26 -0.31 | 13.48 0.35 0.00 | 14.95 0.28 0.00 | 17.25 0.32 -0.02 | 17.83 0.34 -0.34 | 19.75 0.33 -0.05 | 19.43 0.27 -0.01 | 19.71 0.21 0.00 | 19.66 0.23 0.00 | 19.84 0.24 0.00 | 19.87 0.24 0.00 | 21.32 0.27 0.00 | 22.91 0.57 -0.27 | 25.92 0.82 -0.13 | 26.62 0.84 -0.17 | 24.61 0.74 -0.01 | 22.13 0.56 -0.02 | 20.21 0.47 0.00 | 17.78 0.45 0.00 |
| BLACKRVR_115KV_TB2 79977 | 15.98 0.34 -0.02 | 13.47 0.30 -0.26 | 12.54 0.24 -0.16 | 11.03 0.19 -0.33 | 10.89 0.20 -0.34 | 11.55 0.26 -0.31 | 13.48 0.35 0.00 | 14.95 0.28 0.00 | 17.25 0.32 -0.02 | 17.83 0.34 -0.34 | 19.75 0.33 -0.05 | 19.43 0.27 -0.01 | 19.69 0.19 0.00 | 19.66 0.23 0.00 | 19.83 0.24 0.00 | 19.87 0.24 0.00 | 21.33 0.27 0.00 | 22.91 0.57 -0.27 | 25.92 0.82 -0.13 | 26.78 0.84 -0.34 | 24.62 0.74 -0.03 | 22.12 0.54 -0.03 | 20.19 0.45 0.00 | 17.78 0.45 0.00 |
| BLISS_WT_PWR 323608 | 15.31 -0.34 -0.03 | 13.07 -0.35 -0.51 | 12.06 -0.39 -0.32 | 10.78 -0.37 -0.64 | 10.80 -0.21 -0.65 | 11.38 -0.19 -0.59 | 13.02 -0.11 0.00 | 14.27 -0.40 0.00 | 16.21 -0.74 -0.05 | 16.98 -0.82 -0.66 | 18.60 -0.87 -0.10 | 18.42 -0.75 -0.03 | 18.99 -0.51 0.00 | 19.06 -0.37 0.00 | 19.36 -0.23 0.00 | 19.46 -0.18 0.00 | 20.67 -0.38 0.00 | 22.14 -0.44 -0.52 | 24.77 -0.45 -0.25 | 25.29 -0.79 -0.48 | 23.35 -0.55 -0.04 | 21.23 -0.37 -0.05 | 19.54 -0.20 0.00 | 17.54 0.21 0.00 |
| BLUESTONE___WT_PWR 323821 | 16.54 0.86 -0.06 | 14.55 0.71 -0.94 | 13.35 0.63 -0.58 | 12.20 0.51 -1.18 | 12.08 0.52 -1.20 | 12.67 0.60 -1.09 | 13.90 0.77 0.00 | 15.39 0.72 0.00 | 17.80 0.81 -0.08 | 19.20 0.84 -1.21 | 20.52 0.97 -0.18 | 20.15 0.96 -0.05 | 20.47 0.97 0.00 | 20.40 0.97 0.00 | 20.60 1.00 0.00 | 20.62 0.98 0.00 | 22.08 1.03 0.00 | 24.32 1.30 -0.96 | 27.05 1.62 -0.46 | 28.23 1.59 -1.04 | 25.40 1.46 -0.08 | 22.90 1.25 -0.10 | 20.84 1.10 0.00 | 18.35 1.02 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 16.37 0.56 -0.19 | 16.23 0.48 -2.84 | 14.36 0.46 -1.76 | 14.49 0.39 -3.59 | 14.40 0.39 -3.65 | 14.73 0.44 -3.31 | 13.63 0.51 0.00 | 15.18 0.51 0.00 | 17.75 0.59 -0.25 | 21.38 0.57 -3.67 | 20.60 0.68 -0.55 | 19.98 0.69 -0.15 | 20.17 0.68 0.00 | 20.10 0.68 0.00 | 20.30 0.71 0.00 | 20.32 0.69 0.00 | 21.81 0.76 0.00 | 25.83 0.86 -2.90 | 27.34 0.97 -1.40 | 30.14 0.90 -3.64 | 25.01 0.86 -0.29 | 22.65 0.75 -0.35 | 20.35 0.61 0.00 | 17.80 0.47 0.00 |
| BOC_GAS_DRP 24189 | 16.30 0.48 -0.19 | 16.21 0.41 -2.89 | 14.32 0.39 -1.79 | 14.48 0.33 -3.65 | 14.39 0.33 -3.70 | 14.69 0.35 -3.36 | 13.54 0.42 0.00 | 15.08 0.41 0.00 | 17.63 0.47 -0.26 | 21.34 0.46 -3.72 | 20.49 0.56 -0.56 | 19.87 0.57 -0.15 | 20.08 0.58 0.00 | 20.01 0.58 0.00 | 20.19 0.59 0.00 | 20.22 0.59 0.00 | 21.68 0.63 0.00 | 25.74 0.73 -2.95 | 27.21 0.82 -1.42 | 30.06 0.77 -3.69 | 24.87 0.72 -0.30 | 22.55 0.65 -0.35 | 20.23 0.49 0.00 | 17.69 0.36 0.00 |
| BOONVILLE_115KV_TB1 79983 | 15.90 0.27 -0.01 | 13.36 0.23 -0.22 | 12.48 0.21 -0.14 | 10.94 0.16 -0.28 | 10.81 0.17 -0.28 | 11.44 0.21 -0.26 | 13.40 0.28 0.00 | 14.87 0.21 0.00 | 17.18 0.25 -0.02 | 17.71 0.27 -0.28 | 19.69 0.27 -0.04 | 19.38 0.23 -0.01 | 19.73 0.23 0.00 | 19.66 0.23 0.00 | 19.83 0.24 0.00 | 19.85 0.22 0.00 | 21.28 0.23 0.00 | 22.69 0.40 -0.23 | 25.62 0.55 -0.11 | 26.35 0.46 -0.28 | 24.31 0.43 -0.02 | 21.92 0.34 -0.03 | 20.05 0.32 0.00 | 17.63 0.29 0.00 |
| BORALEX_4TH_BRANCH 23824 | 16.65 0.84 -0.19 | 16.53 0.75 -2.88 | 14.61 0.69 -1.79 | 14.73 0.59 -3.64 | 14.64 0.59 -3.69 | 14.97 0.64 -3.35 | 13.86 0.73 0.00 | 15.45 0.78 0.00 | 18.07 0.91 -0.26 | 21.80 0.94 -3.71 | 21.03 1.10 -0.55 | 20.33 1.03 -0.15 | 20.53 1.03 0.00 | 20.44 1.01 0.00 | 20.62 1.02 0.00 | 20.66 1.02 0.00 | 22.19 1.14 0.00 | 26.26 1.26 -2.94 | 27.85 1.47 -1.41 | 30.72 1.43 -3.68 | 25.47 1.31 -0.30 | 23.13 1.23 -0.35 | 20.68 0.95 0.00 | 18.06 0.73 0.00 |
| BOWLINE___1 23526 | 16.67 0.91 -0.15 | 15.83 0.71 -2.21 | 14.15 0.64 -1.37 | 13.85 0.55 -2.80 | 13.74 0.55 -2.84 | 14.12 0.56 -2.58 | 13.83 0.71 0.00 | 15.40 0.73 0.00 | 17.93 0.83 -0.20 | 20.90 0.89 -2.86 | 20.86 1.06 -0.43 | 20.35 1.09 -0.11 | 20.66 1.17 0.00 | 20.59 1.17 0.00 | 20.77 1.18 0.00 | 20.79 1.16 0.00 | 22.34 1.28 0.00 | 25.71 1.39 -2.26 | 27.60 1.55 -1.09 | 29.77 1.46 -2.71 | 25.46 1.38 -0.22 | 23.06 1.25 -0.26 | 20.74 1.01 0.00 | 18.04 0.71 0.00 |
| BOWLINE___2 23595 | 16.67 0.91 -0.15 | 15.83 0.71 -2.21 | 14.15 0.64 -1.37 | 13.85 0.55 -2.80 | 13.74 0.55 -2.84 | 14.12 0.56 -2.58 | 13.83 0.71 0.00 | 15.40 0.73 0.00 | 17.93 0.83 -0.20 | 20.90 0.89 -2.86 | 20.86 1.06 -0.43 | 20.35 1.09 -0.11 | 20.66 1.17 0.00 | 20.59 1.17 0.00 | 20.77 1.18 0.00 | 20.79 1.16 0.00 | 22.34 1.28 0.00 | 25.71 1.39 -2.26 | 27.60 1.55 -1.09 | 29.77 1.46 -2.71 | 25.46 1.38 -0.22 | 23.06 1.25 -0.26 | 20.74 1.01 0.00 | 18.04 0.71 0.00 |
| BRADY___115KV_TB2 356060 | 15.53 -0.09 0.00 | 12.86 -0.12 -0.07 | 12.11 -0.07 -0.04 | 10.58 -0.01 -0.09 | 10.37 -0.07 -0.09 | 10.99 -0.07 -0.08 | 13.00 -0.12 0.00 | 14.65 -0.01 0.00 | 16.91 0.00 -0.01 | 17.22 -0.02 -0.09 | 19.35 -0.04 -0.01 | 19.01 -0.13 0.00 | 19.26 -0.23 0.00 | 19.17 -0.25 0.00 | 19.29 -0.31 0.00 | 19.32 -0.31 0.00 | 20.78 -0.27 0.00 | 21.78 -0.35 -0.07 | 24.58 -0.42 -0.03 | 25.31 -0.38 -0.09 | 23.53 -0.33 -0.01 | 21.37 -0.19 -0.01 | 19.68 -0.06 0.00 | 17.23 -0.10 0.00 |
| BRANSCOMB___SOLAR 323811 | 16.75 0.94 -0.20 | 16.65 0.79 -2.95 | 14.71 0.74 -1.83 | 14.86 0.62 -3.74 | 14.78 0.63 -3.79 | 15.15 0.72 -3.44 | 13.99 0.87 0.00 | 15.55 0.88 0.00 | 18.22 1.05 -0.26 | 22.04 1.08 -3.81 | 21.24 1.30 -0.57 | 20.56 1.26 -0.15 | 20.68 1.19 0.00 | 20.61 1.19 0.00 | 20.79 1.20 0.00 | 20.79 1.16 0.00 | 22.44 1.39 0.00 | 26.65 1.57 -3.02 | 28.27 1.85 -1.45 | 31.02 1.77 -3.65 | 25.82 1.67 -0.30 | 23.36 1.47 -0.35 | 20.90 1.16 0.00 | 18.25 0.92 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 17.18 1.41 -0.15 | 16.25 1.05 -2.30 | 14.52 0.96 -1.43 | 14.23 0.82 -2.91 | 14.08 0.78 -2.95 | 14.45 0.79 -2.68 | 14.35 1.23 0.00 | 15.76 1.09 0.00 | 18.48 1.37 -0.20 | 21.56 1.44 -2.97 | 21.73 1.90 -0.46 | 21.21 1.93 -0.14 | 22.32 2.03 -0.80 | 24.00 2.04 -2.53 | 24.42 2.06 -2.76 | 25.42 2.06 -3.72 | 27.93 2.27 -4.61 | 29.82 2.45 -5.30 | 30.32 2.77 -2.58 | 32.61 2.71 -4.30 | 27.17 2.51 -0.81 | 24.61 2.20 -0.86 | 21.51 1.78 0.00 | 18.44 1.11 0.00 |
| BRISTLHL_115KV_TB1 79998 | 15.89 0.25 -0.02 | 13.47 0.23 -0.33 | 12.53 0.19 -0.20 | 11.06 0.14 -0.42 | 10.95 0.18 -0.42 | 11.56 0.20 -0.38 | 13.40 0.28 0.00 | 14.83 0.16 0.00 | 17.12 0.19 -0.03 | 17.76 0.19 -0.42 | 19.65 0.21 -0.06 | 19.39 0.23 -0.02 | 19.75 0.25 0.00 | 19.70 0.27 0.00 | 19.89 0.29 0.00 | 19.95 0.31 0.00 | 21.28 0.23 0.00 | 22.86 0.46 -0.34 | 25.73 0.60 -0.16 | 26.56 0.54 -0.42 | 24.34 0.45 -0.03 | 21.94 0.34 -0.04 | 19.99 0.26 0.00 | 17.66 0.33 0.00 |
| BROOKHAVEN___DRP 24191 | 17.24 1.47 -0.15 | 16.30 1.10 -2.30 | 14.57 1.01 -1.43 | 14.27 0.86 -2.91 | 14.13 0.82 -2.95 | 14.49 0.83 -2.68 | 14.43 1.31 0.00 | 15.81 1.14 0.00 | 18.53 1.42 -0.20 | 21.61 1.49 -2.97 | 21.81 1.98 -0.46 | 21.29 2.01 -0.14 | 22.40 2.11 -0.80 | 24.08 2.12 -2.53 | 24.52 2.16 -2.76 | 25.54 2.18 -3.72 | 28.06 2.40 -4.61 | 29.93 2.56 -5.30 | 30.47 2.92 -2.58 | 32.77 2.87 -4.30 | 27.27 2.60 -0.81 | 24.70 2.28 -0.86 | 21.59 1.86 0.00 | 18.47 1.14 0.00 |

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|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| BROOKLYN_NAVY_YARD 23515 | 16.85 1.08 -0.15 | 16.03 0.83 -2.30 | 14.32 0.75 -1.43 | 14.06 0.65 -2.91 | 13.96 0.65 -2.95 | 14.32 0.66 -2.68 | 13.97 0.85 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.21 1.10 -2.97 | 21.09 1.28 -0.44 | 20.64 1.38 -0.12 | 20.93 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.07 1.66 -2.35 | 27.90 1.80 -1.13 | 30.14 1.72 -2.82 | 25.76 1.67 -0.23 | 23.33 1.51 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| BROOKVLE_69_KV_TB1 55790 | 16.99 1.22 -0.15 | 16.14 0.93 -2.30 | 14.41 0.85 -1.43 | 14.14 0.72 -2.91 | 14.01 0.70 -2.95 | 14.38 0.72 -2.68 | 14.16 1.04 0.00 | 15.64 0.97 0.00 | 18.29 1.18 -0.20 | 21.37 1.25 -2.97 | 21.44 1.61 -0.46 | 20.94 1.67 -0.14 | 22.03 1.73 -0.80 | 23.71 1.75 -2.53 | 24.12 1.76 -2.76 | 25.08 1.73 -3.72 | 27.55 1.89 -4.61 | 29.40 2.03 -5.30 | 29.77 2.22 -2.58 | 32.08 2.18 -4.30 | 26.72 2.05 -0.81 | 24.27 1.85 -0.86 | 21.24 1.50 0.00 | 18.32 0.99 0.00 |
| BROOME_2_LFGE 323671 | 15.91 0.23 -0.05 | 13.93 0.19 -0.83 | 12.81 0.16 -0.52 | 11.66 0.11 -1.05 | 11.57 0.14 -1.07 | 12.10 0.15 -0.97 | 13.36 0.24 0.00 | 14.79 0.12 0.00 | 17.06 0.08 -0.07 | 18.29 0.07 -1.07 | 19.63 0.10 -0.16 | 19.30 0.12 -0.04 | 19.69 0.19 0.00 | 19.64 0.21 0.00 | 19.85 0.25 0.00 | 19.91 0.27 0.00 | 21.26 0.21 0.00 | 23.27 0.35 -0.85 | 25.80 0.42 -0.41 | 26.81 0.31 -0.90 | 24.24 0.31 -0.07 | 21.94 0.30 -0.09 | 19.99 0.26 0.00 | 17.64 0.31 0.00 |
| BROOME___LFGE 323600 | 15.91 0.23 -0.05 | 13.93 0.19 -0.83 | 12.81 0.16 -0.52 | 11.66 0.11 -1.05 | 11.57 0.14 -1.07 | 12.10 0.15 -0.97 | 13.36 0.24 0.00 | 14.79 0.12 0.00 | 17.06 0.08 -0.07 | 18.29 0.07 -1.07 | 19.63 0.10 -0.16 | 19.30 0.12 -0.04 | 19.69 0.19 0.00 | 19.64 0.21 0.00 | 19.85 0.25 0.00 | 19.91 0.27 0.00 | 21.26 0.21 0.00 | 23.27 0.35 -0.85 | 25.80 0.42 -0.41 | 26.81 0.31 -0.90 | 24.24 0.31 -0.07 | 21.94 0.30 -0.09 | 19.99 0.26 0.00 | 17.64 0.31 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 15.55 -0.08 -0.01 | 12.98 -0.08 -0.15 | 12.17 -0.06 -0.09 | 10.66 -0.03 -0.19 | 10.48 -0.06 -0.19 | 11.11 -0.04 -0.17 | 13.06 -0.07 0.00 | 14.63 -0.04 0.00 | 16.90 -0.02 -0.01 | 17.34 0.00 -0.19 | 19.32 -0.08 -0.03 | 18.92 -0.23 -0.01 | 19.18 -0.31 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.91 -0.31 -0.15 | 24.71 -0.32 -0.07 | 25.46 -0.33 -0.19 | 23.56 -0.31 -0.02 | 21.42 -0.15 -0.02 | 19.68 -0.06 0.00 | 17.24 -0.09 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 16.99 1.22 -0.15 | 16.15 0.94 -2.30 | 14.42 0.86 -1.43 | 14.16 0.75 -2.91 | 14.05 0.75 -2.95 | 14.41 0.76 -2.68 | 14.11 0.98 0.00 | 15.70 1.03 0.00 | 18.26 1.15 -0.20 | 21.37 1.25 -2.97 | 21.27 1.45 -0.44 | 20.83 1.57 -0.12 | 21.15 1.66 0.00 | 21.08 1.65 0.00 | 21.27 1.67 0.00 | 21.26 1.63 0.00 | 22.84 1.79 0.00 | 26.31 1.90 -2.35 | 28.17 2.07 -1.13 | 30.57 2.02 -2.94 | 26.00 1.91 -0.24 | 23.53 1.70 -0.28 | 21.22 1.48 0.00 | 18.37 1.04 0.00 |
| BURROWS___LYONSDAL 23803 | 15.87 0.23 -0.01 | 13.32 0.19 -0.22 | 12.44 0.17 -0.13 | 10.90 0.13 -0.27 | 10.77 0.13 -0.28 | 11.42 0.19 -0.25 | 13.36 0.24 0.00 | 14.85 0.18 0.00 | 17.14 0.22 -0.02 | 17.65 0.22 -0.28 | 19.65 0.23 -0.04 | 19.33 0.17 -0.01 | 19.65 0.16 0.00 | 19.58 0.16 0.00 | 19.76 0.16 0.00 | 19.79 0.16 0.00 | 21.20 0.15 0.00 | 22.62 0.33 -0.22 | 25.55 0.47 -0.11 | 26.29 0.41 -0.28 | 24.24 0.36 -0.02 | 21.88 0.30 -0.03 | 19.99 0.26 0.00 | 17.59 0.26 0.00 |
| CAITHNESS_CC_1 323624 | 17.19 1.42 -0.15 | 16.26 1.06 -2.30 | 14.52 0.96 -1.43 | 14.24 0.83 -2.91 | 14.09 0.79 -2.95 | 14.46 0.80 -2.68 | 14.26 1.14 0.00 | 15.77 1.10 0.00 | 18.48 1.37 -0.20 | 21.54 1.42 -2.97 | 21.73 1.90 -0.46 | 21.21 1.93 -0.14 | 22.32 2.03 -0.80 | 24.00 2.04 -2.53 | 24.44 2.08 -2.76 | 25.44 2.08 -3.72 | 27.95 2.29 -4.61 | 29.84 2.47 -5.30 | 30.34 2.80 -2.58 | 32.57 2.79 -4.18 | 27.16 2.50 -0.80 | 24.65 2.24 -0.85 | 21.49 1.76 0.00 | 18.41 1.07 0.00 |
| CALPINE BETH_PAGE_GT4 24209 | 17.04 1.27 -0.15 | 16.15 0.94 -2.30 | 14.42 0.86 -1.43 | 14.15 0.74 -2.91 | 14.01 0.70 -2.95 | 14.37 0.71 -2.68 | 14.22 1.10 0.00 | 15.65 0.98 0.00 | 18.34 1.23 -0.20 | 21.37 1.25 -2.97 | 21.46 1.63 -0.46 | 20.94 1.67 -0.14 | 22.05 1.75 -0.80 | 23.73 1.77 -2.53 | 24.14 1.78 -2.76 | 25.04 1.69 -3.72 | 27.51 1.85 -4.61 | 29.35 1.99 -5.30 | 29.79 2.25 -2.58 | 32.08 2.18 -4.30 | 26.67 2.00 -0.81 | 24.29 1.87 -0.86 | 21.26 1.52 0.00 | 18.25 0.92 0.00 |
| CALPINE_BETH_PAGE_GT_4 323586 | 17.04 1.26 -0.15 | 16.15 0.94 -2.30 | 14.42 0.86 -1.43 | 14.15 0.74 -2.91 | 14.01 0.70 -2.95 | 14.37 0.71 -2.68 | 14.12 1.00 0.00 | 15.65 0.98 0.00 | 18.34 1.23 -0.20 | 21.37 1.25 -2.97 | 21.48 1.65 -0.46 | 20.96 1.69 -0.14 | 22.05 1.76 -0.80 | 23.71 1.75 -2.53 | 24.14 1.78 -2.76 | 25.05 1.69 -3.72 | 27.51 1.85 -4.61 | 29.35 1.99 -5.30 | 29.79 2.25 -2.58 | 31.98 2.20 -4.18 | 26.68 2.03 -0.80 | 24.30 1.90 -0.85 | 21.22 1.48 0.00 | 18.23 0.90 0.00 |
| CALPINE_BP_GT1 23823 | 17.04 1.26 -0.15 | 16.15 0.94 -2.30 | 14.42 0.86 -1.43 | 14.15 0.74 -2.91 | 14.01 0.70 -2.95 | 14.37 0.71 -2.68 | 14.12 1.00 0.00 | 15.65 0.98 0.00 | 18.34 1.23 -0.20 | 21.37 1.25 -2.97 | 21.48 1.65 -0.46 | 20.96 1.69 -0.14 | 22.05 1.76 -0.80 | 23.71 1.75 -2.53 | 24.14 1.78 -2.76 | 25.05 1.69 -3.72 | 27.51 1.85 -4.61 | 29.35 1.99 -5.30 | 29.79 2.25 -2.58 | 31.98 2.20 -4.18 | 26.68 2.03 -0.80 | 24.30 1.90 -0.85 | 21.22 1.48 0.00 | 18.23 0.90 0.00 |
| CALSPAN___DRP 24200 | 15.62 -0.03 -0.03 | 13.41 0.01 -0.49 | 12.44 0.00 -0.30 | 11.04 -0.08 -0.61 | 10.97 -0.01 -0.62 | 11.56 0.01 -0.57 | 13.19 0.07 0.00 | 14.35 -0.32 0.00 | 16.41 -0.54 -0.04 | 17.19 -0.58 -0.63 | 18.67 -0.79 -0.09 | 18.50 -0.67 -0.03 | 19.06 -0.43 0.00 | 19.09 -0.33 0.00 | 19.40 -0.20 0.00 | 19.48 -0.16 0.00 | 20.69 -0.36 0.00 | 22.32 -0.24 -0.50 | 24.91 -0.30 -0.24 | 25.61 -0.61 -0.62 | 23.43 -0.48 -0.05 | 21.07 -0.54 -0.06 | 19.48 -0.26 0.00 | 17.69 0.36 0.00 |
| CALVERTON___SOLAR 323806 | 17.30 1.53 -0.15 | 16.35 1.15 -2.30 | 14.62 1.06 -1.43 | 14.32 0.90 -2.91 | 14.17 0.86 -2.95 | 14.54 0.88 -2.68 | 14.37 1.25 0.00 | 15.87 1.20 0.00 | 18.61 1.50 -0.20 | 21.68 1.56 -2.97 | 21.90 2.07 -0.46 | 21.38 2.11 -0.14 | 22.50 2.20 -0.80 | 24.17 2.21 -2.53 | 24.61 2.25 -2.76 | 25.63 2.28 -3.72 | 28.16 2.50 -4.61 | 30.06 2.69 -5.30 | 30.59 3.04 -2.58 | 32.83 3.05 -4.18 | 27.40 2.74 -0.80 | 24.82 2.41 -0.85 | 21.65 1.91 0.00 | 18.53 1.19 0.00 |
| CANDIGU_WT_PWR 323617 | 15.69 0.03 -0.04 | 13.54 0.03 -0.61 | 12.53 0.01 -0.38 | 11.24 -0.04 -0.77 | 11.16 0.02 -0.78 | 11.72 0.03 -0.71 | 13.23 0.10 0.00 | 14.54 -0.13 0.00 | 16.67 -0.29 -0.05 | 17.63 -0.31 -0.79 | 19.14 -0.35 -0.12 | 18.89 -0.29 -0.03 | 19.36 -0.14 0.00 | 19.35 -0.08 0.00 | 19.64 0.04 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.73 0.04 -0.62 | 25.37 0.10 -0.30 | 26.11 -0.10 -0.61 | 23.88 -0.02 -0.05 | 21.67 0.06 -0.06 | 19.85 0.12 0.00 | 17.71 0.38 0.00 |

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|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| CARR STREET_E_SYR 24060 | 15.64 0.00 -0.02 | 13.26 0.01 -0.34 | 12.35 0.00 -0.21 | 10.91 -0.03 -0.43 | 10.80 0.00 -0.44 | 11.39 0.01 -0.40 | 13.15 0.03 0.00 | 14.58 -0.09 0.00 | 16.82 -0.12 -0.03 | 17.47 -0.12 -0.44 | 19.28 -0.16 -0.07 | 19.03 -0.13 -0.02 | 19.40 -0.10 0.00 | 19.35 -0.08 0.00 | 19.54 -0.06 0.00 | 19.60 -0.04 0.00 | 20.93 -0.13 0.00 | 22.44 0.02 -0.35 | 25.21 0.08 -0.17 | 25.84 -0.03 -0.26 | 23.83 -0.05 -0.02 | 21.51 -0.06 -0.02 | 19.66 -0.08 0.00 | 17.35 0.02 0.00 |
| CARTHAGE___PAPER 23857 | 15.76 0.12 -0.02 | 13.25 0.10 -0.24 | 12.37 0.09 -0.15 | 10.87 0.06 -0.30 | 10.72 0.06 -0.30 | 11.37 0.11 -0.28 | 13.27 0.14 0.00 | 14.77 0.10 0.00 | 17.06 0.13 -0.02 | 17.61 0.15 -0.31 | 19.51 0.10 -0.05 | 19.18 0.02 -0.01 | 19.45 -0.04 0.00 | 19.39 -0.04 0.00 | 19.56 -0.04 0.00 | 19.60 -0.04 0.00 | 21.03 -0.02 0.00 | 22.50 0.20 -0.24 | 25.43 0.35 -0.12 | 26.11 0.36 -0.15 | 24.16 0.29 -0.01 | 21.78 0.22 -0.01 | 19.93 0.20 0.00 | 17.50 0.17 0.00 |
| CASSADAGA_WT_PWR 323784 | 15.65 0.00 -0.03 | 13.43 0.01 -0.51 | 12.47 0.02 -0.31 | 11.11 -0.03 -0.64 | 11.06 0.05 -0.65 | 11.65 0.08 -0.59 | 13.27 0.14 0.00 | 14.51 -0.16 0.00 | 16.58 -0.37 -0.05 | 17.44 -0.36 -0.65 | 19.08 -0.39 -0.10 | 18.83 -0.34 -0.03 | 19.36 -0.14 0.00 | 19.39 -0.04 0.00 | 19.66 0.06 0.00 | 19.77 0.14 0.00 | 21.03 -0.02 0.00 | 22.69 0.11 -0.52 | 25.37 0.15 -0.25 | 25.90 -0.18 -0.48 | 23.90 0.00 -0.04 | 21.71 0.11 -0.05 | 19.97 0.24 0.00 | 17.95 0.62 0.00 |
| CE_DUNWOOD___DRP 24194 | 16.76 0.98 -0.15 | 15.97 0.77 -2.29 | 14.26 0.70 -1.42 | 14.01 0.61 -2.90 | 13.90 0.60 -2.94 | 14.26 0.61 -2.67 | 13.92 0.80 0.00 | 15.49 0.82 0.00 | 18.04 0.93 -0.20 | 21.10 0.99 -2.96 | 21.01 1.20 -0.44 | 20.51 1.24 -0.12 | 20.80 1.31 0.00 | 20.73 1.30 0.00 | 20.91 1.31 0.00 | 20.93 1.30 0.00 | 22.48 1.43 0.00 | 25.95 1.54 -2.34 | 27.79 1.70 -1.13 | 30.17 1.64 -2.93 | 25.62 1.53 -0.24 | 23.21 1.38 -0.28 | 20.88 1.14 0.00 | 18.13 0.80 0.00 |
| CE_MILLWOOD___DRP 24193 | 16.72 0.95 -0.15 | 15.94 0.75 -2.28 | 14.23 0.68 -1.42 | 13.98 0.59 -2.88 | 13.86 0.58 -2.93 | 14.23 0.59 -2.66 | 13.90 0.77 0.00 | 15.45 0.78 0.00 | 18.00 0.90 -0.20 | 21.05 0.96 -2.94 | 20.95 1.14 -0.44 | 20.45 1.19 -0.12 | 20.74 1.25 0.00 | 20.67 1.24 0.00 | 20.85 1.25 0.00 | 20.87 1.24 0.00 | 22.42 1.37 0.00 | 25.87 1.48 -2.33 | 27.74 1.65 -1.12 | 30.08 1.56 -2.92 | 25.57 1.48 -0.24 | 23.14 1.31 -0.28 | 20.84 1.11 0.00 | 18.09 0.76 0.00 |
| CE_NYC2_DRP 24202 | 16.95 1.17 -0.16 | 16.12 0.90 -2.31 | 14.40 0.83 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.04 0.92 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.70 1.44 -0.12 | 21.04 1.54 -0.01 | 20.99 1.55 -0.01 | 21.16 1.55 -0.01 | 21.17 1.53 -0.01 | 22.72 1.66 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.44 1.89 -2.94 | 25.88 1.79 -0.24 | 23.43 1.59 -0.29 | 21.12 1.38 -0.01 | 18.31 0.97 -0.01 |
| CE_NYC_DRP 24195 | 16.88 1.11 -0.15 | 16.06 0.85 -2.30 | 14.34 0.78 -1.43 | 14.08 0.67 -2.91 | 13.98 0.67 -2.95 | 14.34 0.68 -2.68 | 14.01 0.89 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.23 1.11 -2.97 | 21.11 1.30 -0.44 | 20.66 1.40 -0.12 | 20.97 1.48 0.00 | 20.92 1.50 0.00 | 21.09 1.49 0.00 | 21.09 1.45 0.00 | 22.65 1.60 0.00 | 26.11 1.70 -2.35 | 27.94 1.85 -1.13 | 30.34 1.79 -2.94 | 25.79 1.69 -0.24 | 23.34 1.51 -0.28 | 21.04 1.30 0.00 | 18.23 0.90 0.00 |
| CHAFFEE___LFGE 323603 | 15.61 -0.05 -0.03 | 13.39 -0.01 -0.50 | 12.42 -0.02 -0.31 | 11.03 -0.11 -0.63 | 10.96 -0.03 -0.64 | 11.55 -0.01 -0.58 | 13.15 0.03 0.00 | 14.35 -0.32 0.00 | 16.39 -0.56 -0.04 | 17.21 -0.58 -0.64 | 18.79 -0.68 -0.10 | 18.54 -0.63 -0.03 | 19.08 -0.41 0.00 | 19.11 -0.31 0.00 | 19.40 -0.20 0.00 | 19.48 -0.16 0.00 | 20.69 -0.36 0.00 | 22.31 -0.26 -0.51 | 24.91 -0.30 -0.24 | 25.45 -0.61 -0.46 | 23.47 -0.43 -0.04 | 21.31 -0.28 -0.04 | 19.64 -0.10 0.00 | 17.68 0.35 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 15.62 0.00 0.00 | 12.92 -0.04 -0.06 | 12.20 0.02 -0.04 | 10.69 0.12 -0.07 | 10.47 0.04 -0.07 | 11.11 0.07 -0.07 | 13.15 0.03 0.00 | 14.86 0.19 0.00 | 17.16 0.25 -0.01 | 17.46 0.24 -0.07 | 19.67 0.29 -0.01 | 19.40 0.25 0.00 | 19.67 0.18 0.00 | 19.54 0.12 0.00 | 19.66 0.06 0.00 | 19.73 0.10 0.00 | 21.26 0.21 0.00 | 22.28 0.15 -0.06 | 25.04 0.05 -0.03 | 25.75 0.08 -0.07 | 23.93 0.07 -0.01 | 21.62 0.06 -0.01 | 19.85 0.12 0.00 | 17.35 0.02 0.00 |
| CHATEAUG_WT_PWR 323614 | 15.62 0.00 0.00 | 12.92 -0.04 -0.05 | 12.19 0.02 -0.03 | 10.69 0.12 -0.07 | 10.47 0.04 -0.07 | 11.11 0.07 -0.06 | 13.19 0.07 0.00 | 14.86 0.19 0.00 | 17.18 0.27 0.00 | 17.47 0.26 -0.07 | 19.69 0.31 -0.01 | 19.39 0.25 0.00 | 19.69 0.19 0.00 | 19.56 0.14 0.00 | 19.68 0.08 0.00 | 19.75 0.12 0.00 | 21.26 0.21 0.00 | 22.29 0.18 -0.05 | 25.07 0.08 -0.03 | 25.71 0.10 0.00 | 23.95 0.10 0.00 | 21.62 0.06 0.00 | 19.85 0.12 0.00 | 17.37 0.03 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 15.62 0.00 0.00 | 12.93 -0.04 -0.06 | 12.20 0.02 -0.04 | 10.69 0.12 -0.07 | 10.47 0.04 -0.07 | 11.11 0.07 -0.07 | 13.17 0.05 0.00 | 14.86 0.19 0.00 | 17.18 0.27 -0.01 | 17.46 0.24 -0.07 | 19.67 0.29 -0.01 | 19.39 0.25 0.00 | 19.67 0.18 0.00 | 19.54 0.12 0.00 | 19.66 0.06 0.00 | 19.73 0.10 0.00 | 21.26 0.21 0.00 | 22.28 0.16 -0.06 | 25.04 0.05 -0.03 | 25.68 0.08 0.00 | 23.93 0.07 0.00 | 21.59 0.04 0.00 | 19.85 0.12 0.00 | 17.35 0.02 0.00 |
| CHAUTAUQUA___LFGE 323629 | 15.75 0.09 -0.03 | 13.52 0.12 -0.50 | 12.56 0.11 -0.31 | 11.16 0.02 -0.63 | 11.09 0.09 -0.64 | 11.69 0.13 -0.58 | 13.31 0.18 0.00 | 14.52 -0.15 0.00 | 16.61 -0.34 -0.04 | 17.45 -0.34 -0.65 | 19.04 -0.43 -0.10 | 18.79 -0.38 -0.03 | 19.34 -0.16 0.00 | 19.37 -0.06 0.00 | 19.66 0.06 0.00 | 19.75 0.12 0.00 | 20.99 -0.06 0.00 | 22.66 0.09 -0.51 | 25.31 0.10 -0.25 | 25.84 -0.23 -0.47 | 23.85 -0.05 -0.04 | 21.62 0.02 -0.04 | 19.91 0.18 0.00 | 17.92 0.59 0.00 |
| CHERRYST_13_KV_LD 356241 | 16.91 1.14 -0.15 | 16.08 0.88 -2.30 | 14.36 0.80 -1.43 | 14.11 0.69 -2.91 | 14.00 0.69 -2.95 | 14.36 0.70 -2.68 | 14.04 0.92 0.00 | 15.62 0.95 0.00 | 18.17 1.06 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.70 1.44 -0.12 | 21.03 1.54 0.00 | 20.96 1.53 0.00 | 21.13 1.53 0.00 | 21.15 1.51 0.00 | 22.69 1.64 0.00 | 26.15 1.74 -2.35 | 27.99 1.90 -1.13 | 30.39 1.84 -2.94 | 25.84 1.74 -0.24 | 23.40 1.57 -0.28 | 21.10 1.36 0.00 | 18.27 0.94 0.00 |
| CHESTROR_138KV_BK263 355645 | 16.54 0.78 -0.14 | 15.61 0.61 -2.10 | 14.00 0.56 -1.30 | 13.63 0.47 -2.65 | 13.52 0.48 -2.69 | 13.90 0.48 -2.44 | 13.75 0.63 0.00 | 15.29 0.62 0.00 | 17.80 0.71 -0.19 | 20.59 0.74 -2.71 | 20.65 0.87 -0.40 | 20.17 0.92 -0.11 | 20.47 0.97 0.00 | 20.40 0.97 0.00 | 20.58 0.98 0.00 | 20.60 0.96 0.00 | 22.13 1.07 0.00 | 25.37 1.17 -2.14 | 27.32 1.32 -1.03 | 29.54 1.25 -2.68 | 25.24 1.17 -0.22 | 22.84 1.03 -0.25 | 20.58 0.85 0.00 | 17.92 0.59 0.00 |
| CH_MIDHUDSON___DRP 24192 | 16.68 0.91 -0.16 | 15.98 0.72 -2.35 | 14.25 0.66 -1.46 | 14.03 0.56 -2.97 | 13.93 0.56 -3.01 | 14.29 0.57 -2.74 | 13.86 0.73 0.00 | 15.40 0.73 0.00 | 17.96 0.85 -0.21 | 21.07 0.89 -3.03 | 20.89 1.07 -0.45 | 20.36 1.09 -0.12 | 20.62 1.13 0.00 | 20.55 1.13 0.00 | 20.74 1.14 0.00 | 20.75 1.12 0.00 | 22.29 1.24 0.00 | 25.81 1.35 -2.40 | 27.65 1.52 -1.16 | 30.07 1.46 -3.01 | 25.46 1.36 -0.24 | 23.04 1.21 -0.29 | 20.74 1.01 0.00 | 18.04 0.71 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| CH_MISC_IPPS 23765 | 16.74 0.97 -0.15 | 15.97 0.76 -2.30 | 14.25 0.69 -1.43 | 14.00 0.59 -2.91 | 13.90 0.59 -2.95 | 14.25 0.59 -2.68 | 13.86 0.73 0.00 | 15.43 0.76 0.00 | 17.99 0.88 -0.20 | 21.04 0.93 -2.97 | 20.92 1.10 -0.44 | 20.39 1.13 -0.12 | 20.66 1.17 0.00 | 20.59 1.17 0.00 | 20.77 1.18 0.00 | 20.79 1.16 0.00 | 22.36 1.31 0.00 | 25.83 1.41 -2.35 | 27.72 1.62 -1.13 | 29.96 1.54 -2.82 | 25.52 1.43 -0.23 | 23.11 1.29 -0.27 | 20.74 1.01 0.00 | 18.08 0.74 0.00 |
| CH_RES_BVR_FALLS 23983 | 15.47 -0.16 -0.01 | 12.87 -0.14 -0.10 | 12.08 -0.12 -0.06 | 10.54 -0.09 -0.13 | 10.38 -0.10 -0.13 | 10.99 -0.11 -0.12 | 12.99 -0.13 0.00 | 14.55 -0.12 0.00 | 16.78 -0.14 -0.01 | 17.14 -0.14 -0.13 | 19.22 -0.17 -0.02 | 18.98 -0.17 -0.01 | 19.30 -0.19 0.00 | 19.23 -0.19 0.00 | 19.38 -0.22 0.00 | 19.42 -0.22 0.00 | 20.84 -0.21 0.00 | 21.92 -0.24 -0.10 | 24.72 -0.30 -0.05 | 25.24 -0.36 0.00 | 23.55 -0.31 0.00 | 21.27 -0.28 0.00 | 19.54 -0.20 0.00 | 17.14 -0.19 0.00 |
| CH_RES_NIAGARA 23895 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.39 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.91 -0.21 0.00 | 13.95 -0.72 0.00 | 16.03 -0.91 -0.04 | 16.83 -0.91 -0.59 | 18.26 -1.20 -0.09 | 18.02 -1.15 -0.02 | 18.52 -0.97 0.00 | 18.55 -0.87 0.00 | 18.81 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.76 -0.77 -0.47 | 24.32 -0.87 -0.23 | 24.79 -1.23 -0.41 | 22.84 -1.05 -0.03 | 20.69 -0.90 -0.04 | 19.06 -0.67 0.00 | 17.31 -0.02 0.00 |
| CH_RES_SYRACUSE 23985 | 15.78 0.14 -0.02 | 13.40 0.13 -0.36 | 12.46 0.10 -0.22 | 11.03 0.06 -0.46 | 10.91 0.09 -0.46 | 11.51 0.11 -0.42 | 13.28 0.16 0.00 | 14.73 0.06 0.00 | 16.99 0.05 -0.03 | 17.67 0.05 -0.47 | 19.48 0.04 -0.07 | 19.22 0.06 -0.02 | 19.59 0.10 0.00 | 19.54 0.12 0.00 | 19.74 0.14 0.00 | 19.79 0.16 0.00 | 21.12 0.06 0.00 | 22.68 0.24 -0.37 | 25.47 0.32 -0.18 | 26.15 0.26 -0.29 | 24.09 0.21 -0.02 | 21.75 0.17 -0.03 | 19.85 0.12 0.00 | 17.50 0.17 0.00 |
| CLINTON_WT_PWR 323605 | 15.62 0.00 0.00 | 12.92 -0.04 -0.05 | 12.19 0.02 -0.03 | 10.69 0.12 -0.07 | 10.47 0.04 -0.07 | 11.11 0.07 -0.06 | 13.19 0.07 0.00 | 14.86 0.19 0.00 | 17.18 0.27 0.00 | 17.47 0.26 -0.07 | 19.69 0.31 -0.01 | 19.39 0.25 0.00 | 19.69 0.19 0.00 | 19.56 0.14 0.00 | 19.68 0.08 0.00 | 19.75 0.12 0.00 | 21.26 0.21 0.00 | 22.29 0.18 -0.05 | 25.07 0.08 -0.03 | 25.71 0.10 0.00 | 23.95 0.10 0.00 | 21.62 0.06 0.00 | 19.85 0.12 0.00 | 17.37 0.03 0.00 |
| CLINTON__LFGE 323618 | 15.81 0.19 0.00 | 13.05 0.09 -0.05 | 12.34 0.17 -0.03 | 10.83 0.25 -0.07 | 10.59 0.17 -0.07 | 11.23 0.19 -0.06 | 13.31 0.18 0.00 | 15.01 0.34 0.00 | 17.37 0.46 0.00 | 17.63 0.41 -0.07 | 19.87 0.48 -0.01 | 19.59 0.44 0.00 | 19.84 0.35 0.00 | 19.73 0.31 0.00 | 19.84 0.24 0.00 | 19.93 0.29 0.00 | 21.47 0.42 0.00 | 22.56 0.44 -0.06 | 25.32 0.32 -0.03 | 25.99 0.38 0.00 | 24.24 0.38 0.00 | 21.85 0.30 0.00 | 20.09 0.36 0.00 | 17.54 0.21 0.00 |
| COBBLENY_34_KV_TB1 80064 | 15.61 -0.05 -0.03 | 13.39 -0.01 -0.50 | 12.42 -0.02 -0.31 | 11.03 -0.11 -0.63 | 10.96 -0.03 -0.64 | 11.55 -0.01 -0.58 | 13.17 0.05 0.00 | 14.35 -0.32 0.00 | 16.39 -0.56 -0.04 | 17.19 -0.60 -0.64 | 18.63 -0.83 -0.10 | 18.50 -0.67 -0.03 | 19.06 -0.43 0.00 | 19.09 -0.33 0.00 | 19.40 -0.20 0.00 | 19.48 -0.16 0.00 | 20.69 -0.36 0.00 | 22.31 -0.26 -0.51 | 24.91 -0.30 -0.24 | 25.62 -0.61 -0.64 | 23.41 -0.50 -0.05 | 21.05 -0.56 -0.06 | 19.46 -0.28 0.00 | 17.68 0.35 0.00 |
| COFFEEN__115KV_TB3 355620 | 16.08 0.44 -0.02 | 13.53 0.36 -0.26 | 12.62 0.32 -0.16 | 11.08 0.24 -0.33 | 10.95 0.25 -0.34 | 11.63 0.34 -0.31 | 13.57 0.45 0.00 | 15.04 0.37 0.00 | 17.35 0.42 -0.02 | 17.92 0.43 -0.34 | 19.87 0.45 -0.05 | 19.54 0.38 -0.01 | 19.80 0.31 0.00 | 19.76 0.33 0.00 | 19.93 0.33 0.00 | 19.99 0.35 0.00 | 21.43 0.38 0.00 | 23.06 0.73 -0.27 | 26.12 1.02 -0.13 | 26.97 1.02 -0.34 | 24.79 0.91 -0.03 | 22.27 0.69 -0.03 | 20.33 0.59 0.00 | 17.88 0.55 0.00 |
| COLDSPRG_115KV_BK1 355956 | 15.78 0.12 -0.03 | 13.44 0.01 -0.52 | 12.47 0.01 -0.32 | 11.11 -0.05 -0.65 | 11.04 0.02 -0.66 | 11.64 0.05 -0.60 | 13.37 0.25 0.00 | 14.61 -0.06 0.00 | 16.60 -0.35 -0.05 | 17.44 -0.38 -0.67 | 18.87 -0.60 -0.10 | 18.85 -0.33 -0.03 | 19.43 -0.06 0.00 | 19.46 0.04 0.00 | 19.76 0.16 0.00 | 19.85 0.22 0.00 | 21.11 0.06 0.00 | 22.66 0.07 -0.53 | 25.30 0.07 -0.25 | 26.03 -0.23 -0.66 | 23.77 -0.14 -0.05 | 21.36 -0.26 -0.06 | 19.85 0.12 0.00 | 17.95 0.62 0.00 |
| COLONIE_LFGE__ 323577 | 16.53 0.72 -0.19 | 16.45 0.62 -2.93 | 14.52 0.57 -1.82 | 14.69 0.48 -3.70 | 14.60 0.49 -3.75 | 14.93 0.54 -3.41 | 13.75 0.63 0.00 | 15.31 0.64 0.00 | 17.93 0.76 -0.26 | 21.70 0.77 -3.78 | 20.87 0.93 -0.56 | 20.20 0.90 -0.15 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.48 0.88 0.00 | 20.50 0.86 0.00 | 22.04 0.99 0.00 | 26.15 1.10 -2.99 | 27.70 1.30 -1.44 | 30.44 1.23 -3.61 | 25.30 1.15 -0.29 | 22.93 1.03 -0.34 | 20.50 0.77 0.00 | 17.94 0.61 0.00 |
| COOPERNY_115KV_TB1 80082 | 16.32 0.59 -0.11 | 14.97 0.46 -1.59 | 13.55 0.42 -0.99 | 12.88 0.36 -2.02 | 12.76 0.36 -2.04 | 13.21 0.37 -1.86 | 13.61 0.49 0.00 | 15.12 0.45 0.00 | 17.57 0.52 -0.14 | 19.75 0.55 -2.06 | 20.34 0.66 -0.31 | 19.92 0.69 -0.08 | 20.21 0.72 0.00 | 20.14 0.72 0.00 | 20.34 0.74 0.00 | 20.36 0.73 0.00 | 21.85 0.80 0.00 | 24.60 0.90 -1.63 | 26.77 1.02 -0.78 | 28.59 0.95 -2.04 | 24.91 0.88 -0.17 | 22.52 0.78 -0.19 | 20.37 0.63 0.00 | 17.80 0.47 0.00 |
| COPENHAGEN_WT_PWR 323753 | 15.97 0.33 -0.02 | 13.45 0.27 -0.27 | 12.53 0.23 -0.17 | 11.02 0.18 -0.34 | 10.89 0.19 -0.34 | 11.54 0.25 -0.31 | 13.45 0.33 0.00 | 14.92 0.25 0.00 | 17.23 0.30 -0.02 | 17.80 0.31 -0.35 | 19.71 0.29 -0.05 | 19.41 0.25 -0.01 | 19.69 0.19 0.00 | 19.64 0.21 0.00 | 19.82 0.22 0.00 | 19.87 0.24 0.00 | 21.31 0.25 0.00 | 22.87 0.53 -0.27 | 25.87 0.77 -0.13 | 26.58 0.79 -0.18 | 24.56 0.69 -0.01 | 22.09 0.52 -0.02 | 20.19 0.45 0.00 | 17.75 0.42 0.00 |
| CORNELL____ 23752 | 16.04 0.37 -0.04 | 13.85 0.32 -0.62 | 12.80 0.28 -0.39 | 11.50 0.21 -0.79 | 11.40 0.24 -0.80 | 11.98 0.27 -0.73 | 13.50 0.38 0.00 | 14.95 0.28 0.00 | 17.25 0.29 -0.06 | 18.23 0.27 -0.80 | 19.78 0.29 -0.12 | 19.50 0.33 -0.03 | 19.86 0.37 0.00 | 19.81 0.39 0.00 | 20.03 0.43 0.00 | 20.09 0.45 0.00 | 21.45 0.40 0.00 | 23.32 0.62 -0.64 | 26.05 0.77 -0.31 | 27.14 0.74 -0.80 | 24.57 0.64 -0.06 | 22.14 0.52 -0.08 | 20.17 0.43 0.00 | 17.82 0.49 0.00 |
| CORONAAV_69_KV_TB1 355595 | 17.01 1.23 -0.15 | 16.12 0.92 -2.30 | 14.40 0.84 -1.43 | 14.13 0.71 -2.91 | 13.99 0.68 -2.95 | 14.36 0.70 -2.68 | 14.17 1.05 0.00 | 15.62 0.95 0.00 | 18.29 1.18 -0.20 | 21.37 1.25 -2.97 | 21.48 1.65 -0.46 | 20.94 1.67 -0.14 | 22.05 1.75 -0.80 | 23.71 1.75 -2.53 | 24.12 1.76 -2.76 | 25.10 1.75 -3.72 | 27.53 1.87 -4.61 | 29.40 2.03 -5.30 | 29.82 2.27 -2.58 | 32.13 2.23 -4.30 | 26.74 2.08 -0.81 | 24.27 1.85 -0.86 | 21.27 1.54 0.00 | 18.30 0.97 0.00 |
| CORTLAND_115KV_TB3 80093 | 15.92 0.27 -0.04 | 13.66 0.22 -0.53 | 12.66 0.19 -0.33 | 11.31 0.14 -0.67 | 11.20 0.17 -0.68 | 11.78 0.19 -0.62 | 13.38 0.26 0.00 | 14.83 0.16 0.00 | 17.12 0.17 -0.05 | 17.99 0.15 -0.69 | 19.63 0.15 -0.10 | 19.36 0.19 -0.03 | 19.73 0.23 0.00 | 19.68 0.25 0.00 | 19.89 0.29 0.00 | 19.93 0.29 0.00 | 21.30 0.25 0.00 | 23.03 0.42 -0.54 | 25.75 0.52 -0.26 | 26.74 0.46 -0.68 | 24.32 0.41 -0.06 | 21.92 0.30 -0.06 | 19.99 0.26 0.00 | 17.64 0.31 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|
| COXSACKIE___GT 23611 | 16.72 0.92 -0.18 | 16.29 0.66 -2.72 | 14.44 0.62 -1.69 | 14.49 0.55 -3.44 | 14.40 0.55 -3.49 | 14.72 0.57 -3.17 | 13.91 0.79 0.00 | 15.45 0.78 0.00 | 18.04 0.90 -0.24 | 21.37 0.70 -3.51 | 20.88 0.99 -0.52 | 20.22 0.94 -0.14 | 20.41 0.92 0.00 | 20.32 0.89 0.00 | 20.54 0.94 0.00 | 20.58 0.94 0.00 | 22.19 1.14 0.00 | 26.04 1.19 -2.78 | 27.80 1.50 -1.34 | 30.32 1.36 -3.36 | 25.49 1.36 -0.27 | 23.01 1.14 -0.32 | 20.56 0.83 0.00 | 18.04 0.71 0.00 |
| CPV_VALLEY___CC1 323721 | 16.42 0.67 -0.13 | 15.34 0.52 -1.92 | 13.80 0.47 -1.19 | 13.33 0.40 -2.42 | 13.22 0.40 -2.46 | 13.62 0.41 -2.23 | 13.65 0.53 0.00 | 15.20 0.53 0.00 | 17.67 0.59 -0.17 | 20.24 0.62 -2.48 | 20.50 0.75 -0.37 | 20.03 0.79 -0.10 | 20.33 0.84 0.00 | 20.26 0.83 0.00 | 20.44 0.84 0.00 | 20.46 0.82 0.00 | 21.96 0.90 0.00 | 25.04 1.02 -1.96 | 27.06 1.15 -0.94 | 28.99 1.05 -2.34 | 25.05 1.00 -0.19 | 22.68 0.91 -0.22 | 20.43 0.69 0.00 | 17.81 0.48 0.00 |
| CPV_VALLEY___CC2 323722 | 16.42 0.67 -0.13 | 15.34 0.52 -1.92 | 13.80 0.47 -1.19 | 13.33 0.40 -2.42 | 13.22 0.40 -2.46 | 13.62 0.41 -2.23 | 13.65 0.53 0.00 | 15.20 0.53 0.00 | 17.67 0.59 -0.17 | 20.24 0.62 -2.48 | 20.50 0.75 -0.37 | 20.03 0.79 -0.10 | 20.33 0.84 0.00 | 20.26 0.83 0.00 | 20.44 0.84 0.00 | 20.46 0.82 0.00 | 21.96 0.90 0.00 | 25.04 1.02 -1.96 | 27.06 1.15 -0.94 | 28.99 1.05 -2.34 | 25.05 1.00 -0.19 | 22.68 0.91 -0.22 | 20.43 0.69 0.00 | 17.81 0.48 0.00 |
| CRESCENT___HYD 24018 | 16.53 0.72 -0.19 | 16.45 0.62 -2.93 | 14.52 0.57 -1.82 | 14.69 0.48 -3.70 | 14.60 0.49 -3.75 | 14.93 0.54 -3.41 | 13.75 0.63 0.00 | 15.31 0.64 0.00 | 17.93 0.76 -0.26 | 21.70 0.77 -3.78 | 20.87 0.93 -0.56 | 20.20 0.90 -0.15 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.48 0.88 0.00 | 20.50 0.86 0.00 | 22.04 0.99 0.00 | 26.15 1.10 -2.99 | 27.70 1.30 -1.44 | 30.44 1.23 -3.61 | 25.30 1.15 -0.29 | 22.93 1.03 -0.34 | 20.50 0.77 0.00 | 17.94 0.61 0.00 |
| CRICKET___VALLEY_CC1 323756 | 16.55 0.77 -0.16 | 15.98 0.63 -2.44 | 14.23 0.58 -1.52 | 14.09 0.49 -3.09 | 13.99 0.50 -3.13 | 14.34 0.52 -2.85 | 13.74 0.62 0.00 | 15.31 0.64 0.00 | 17.86 0.74 -0.22 | 21.07 0.77 -3.15 | 20.77 0.93 -0.47 | 20.21 0.94 -0.13 | 20.45 0.95 0.00 | 20.38 0.95 0.00 | 20.56 0.96 0.00 | 20.58 0.94 0.00 | 22.08 1.03 0.00 | 25.66 1.10 -2.50 | 27.42 1.25 -1.20 | 29.81 1.20 -3.00 | 25.22 1.12 -0.24 | 22.89 1.06 -0.29 | 20.54 0.81 0.00 | 17.90 0.57 0.00 |
| CRICKET___VALLEY_CC2 323757 | 16.55 0.77 -0.16 | 15.98 0.63 -2.44 | 14.23 0.58 -1.52 | 14.09 0.49 -3.09 | 13.99 0.50 -3.13 | 14.34 0.52 -2.85 | 13.74 0.62 0.00 | 15.31 0.64 0.00 | 17.86 0.74 -0.22 | 21.07 0.77 -3.15 | 20.77 0.93 -0.47 | 20.21 0.94 -0.13 | 20.45 0.95 0.00 | 20.38 0.95 0.00 | 20.56 0.96 0.00 | 20.58 0.94 0.00 | 22.08 1.03 0.00 | 25.66 1.10 -2.50 | 27.42 1.25 -1.20 | 29.81 1.20 -3.00 | 25.22 1.12 -0.24 | 22.89 1.06 -0.29 | 20.54 0.81 0.00 | 17.90 0.57 0.00 |
| CRICKET___VALLEY_CC3 323758 | 16.55 0.77 -0.16 | 15.98 0.63 -2.44 | 14.23 0.58 -1.52 | 14.09 0.49 -3.09 | 13.99 0.50 -3.13 | 14.34 0.52 -2.85 | 13.74 0.62 0.00 | 15.31 0.64 0.00 | 17.86 0.74 -0.22 | 21.07 0.77 -3.15 | 20.77 0.93 -0.47 | 20.21 0.94 -0.13 | 20.45 0.95 0.00 | 20.38 0.95 0.00 | 20.56 0.96 0.00 | 20.58 0.94 0.00 | 22.08 1.03 0.00 | 25.66 1.10 -2.50 | 27.42 1.25 -1.20 | 29.81 1.20 -3.00 | 25.22 1.12 -0.24 | 22.89 1.06 -0.29 | 20.54 0.81 0.00 | 17.90 0.57 0.00 |
| CRUCIBLE_METL_DRP 24180 | 15.79 0.14 -0.02 | 13.40 0.13 -0.36 | 12.46 0.10 -0.22 | 11.03 0.06 -0.46 | 10.91 0.09 -0.46 | 11.51 0.11 -0.42 | 13.28 0.16 0.00 | 14.73 0.06 0.00 | 16.99 0.05 -0.03 | 17.65 0.03 -0.47 | 19.48 0.04 -0.07 | 19.22 0.06 -0.02 | 19.59 0.10 0.00 | 19.52 0.10 0.00 | 19.74 0.14 0.00 | 19.79 0.16 0.00 | 21.11 0.06 0.00 | 22.68 0.24 -0.37 | 25.47 0.32 -0.18 | 26.32 0.26 -0.46 | 24.11 0.21 -0.04 | 21.75 0.15 -0.04 | 19.83 0.10 0.00 | 17.50 0.17 0.00 |
| DAHOWA___HYDRO 323763 | 16.83 1.01 -0.20 | 16.70 0.84 -2.96 | 14.76 0.79 -1.84 | 14.91 0.66 -3.74 | 14.83 0.67 -3.80 | 15.21 0.78 -3.45 | 14.05 0.93 0.00 | 15.62 0.95 0.00 | 18.32 1.15 -0.26 | 22.15 1.18 -3.82 | 21.38 1.43 -0.57 | 20.69 1.40 -0.15 | 20.78 1.29 0.00 | 20.71 1.28 0.00 | 20.89 1.29 0.00 | 20.87 1.24 0.00 | 22.57 1.52 0.00 | 26.81 1.72 -3.02 | 28.44 2.02 -1.46 | 31.20 1.94 -3.65 | 25.99 1.84 -0.30 | 23.49 1.59 -0.35 | 21.00 1.26 0.00 | 18.34 1.00 0.00 |
| DANC___LFGE 323619 | 15.87 0.23 -0.02 | 13.40 0.21 -0.29 | 12.49 0.17 -0.18 | 10.99 0.12 -0.37 | 10.87 0.14 -0.37 | 11.50 0.19 -0.34 | 13.38 0.26 0.00 | 14.85 0.18 0.00 | 17.13 0.20 -0.03 | 17.73 0.21 -0.37 | 19.62 0.19 -0.06 | 19.33 0.17 -0.02 | 19.63 0.14 0.00 | 19.58 0.15 0.00 | 19.78 0.18 0.00 | 19.81 0.18 0.00 | 21.22 0.17 0.00 | 22.78 0.42 -0.30 | 25.73 0.62 -0.14 | 26.39 0.59 -0.20 | 24.38 0.50 -0.02 | 21.96 0.39 -0.02 | 20.05 0.31 0.00 | 17.64 0.31 0.00 |
| DANSKAMMER___1 23586 | 16.74 0.97 -0.15 | 15.97 0.76 -2.30 | 14.25 0.69 -1.43 | 14.00 0.59 -2.91 | 13.90 0.59 -2.95 | 14.25 0.59 -2.68 | 13.86 0.73 0.00 | 15.43 0.76 0.00 | 17.99 0.88 -0.20 | 21.04 0.93 -2.97 | 20.92 1.10 -0.44 | 20.39 1.13 -0.12 | 20.66 1.17 0.00 | 20.59 1.17 0.00 | 20.77 1.18 0.00 | 20.79 1.16 0.00 | 22.36 1.31 0.00 | 25.83 1.41 -2.35 | 27.72 1.62 -1.13 | 29.96 1.54 -2.82 | 25.52 1.43 -0.23 | 23.11 1.29 -0.27 | 20.74 1.01 0.00 | 18.08 0.74 0.00 |
| DANSKAMMER___2 23589 | 16.74 0.97 -0.15 | 15.97 0.76 -2.30 | 14.25 0.69 -1.43 | 14.00 0.59 -2.91 | 13.90 0.59 -2.95 | 14.25 0.59 -2.68 | 13.86 0.73 0.00 | 15.43 0.76 0.00 | 17.99 0.88 -0.20 | 21.04 0.93 -2.97 | 20.92 1.10 -0.44 | 20.39 1.13 -0.12 | 20.66 1.17 0.00 | 20.59 1.17 0.00 | 20.77 1.18 0.00 | 20.79 1.16 0.00 | 22.36 1.31 0.00 | 25.83 1.41 -2.35 | 27.72 1.62 -1.13 | 29.96 1.54 -2.82 | 25.52 1.43 -0.23 | 23.11 1.29 -0.27 | 20.74 1.01 0.00 | 18.08 0.74 0.00 |
| DANSKAMMER___3 23590 | 16.74 0.97 -0.15 | 15.97 0.76 -2.30 | 14.25 0.69 -1.43 | 14.00 0.59 -2.91 | 13.90 0.59 -2.95 | 14.25 0.59 -2.68 | 13.86 0.73 0.00 | 15.43 0.76 0.00 | 17.99 0.88 -0.20 | 21.04 0.93 -2.97 | 20.92 1.10 -0.44 | 20.39 1.13 -0.12 | 20.66 1.17 0.00 | 20.59 1.17 0.00 | 20.77 1.18 0.00 | 20.79 1.16 0.00 | 22.36 1.31 0.00 | 25.83 1.41 -2.35 | 27.72 1.62 -1.13 | 29.96 1.54 -2.82 | 25.52 1.43 -0.23 | 23.11 1.29 -0.27 | 20.74 1.01 0.00 | 18.08 0.74 0.00 |
| DANSKAMMER___4 23591 | 16.74 0.97 -0.15 | 15.97 0.76 -2.30 | 14.25 0.69 -1.43 | 14.00 0.59 -2.91 | 13.90 0.59 -2.95 | 14.25 0.59 -2.68 | 13.86 0.73 0.00 | 15.43 0.76 0.00 | 17.99 0.88 -0.20 | 21.04 0.93 -2.97 | 20.92 1.10 -0.44 | 20.39 1.13 -0.12 | 20.66 1.17 0.00 | 20.59 1.17 0.00 | 20.77 1.18 0.00 | 20.79 1.16 0.00 | 22.36 1.31 0.00 | 25.83 1.41 -2.35 | 27.72 1.62 -1.13 | 29.96 1.54 -2.82 | 25.52 1.43 -0.23 | 23.11 1.29 -0.27 | 20.74 1.01 0.00 | 18.08 0.74 0.00 |
| DANSKAMMER___DIESEL 23592 | 16.74 0.97 -0.15 | 15.97 0.76 -2.30 | 14.25 0.69 -1.43 | 14.00 0.59 -2.91 | 13.90 0.59 -2.95 | 14.25 0.59 -2.68 | 13.88 0.76 0.00 | 15.43 0.76 0.00 | 18.00 0.90 -0.20 | 21.04 0.93 -2.97 | 20.90 1.08 -0.44 | 20.39 1.13 -0.12 | 20.66 1.17 0.00 | 20.59 1.17 0.00 | 20.78 1.18 0.00 | 20.79 1.16 0.00 | 22.36 1.31 0.00 | 25.82 1.41 -2.35 | 27.72 1.62 -1.13 | 30.08 1.54 -2.94 | 25.50 1.41 -0.24 | 23.08 1.25 -0.28 | 20.76 1.03 0.00 | 18.08 0.75 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| DARBY___SOLAR 323810 | 16.77 0.95 -0.20 | 16.66 0.80 -2.95 | 14.72 0.75 -1.83 | 14.87 0.63 -3.74 | 14.79 0.64 -3.79 | 15.16 0.74 -3.44 | 14.00 0.88 0.00 | 15.56 0.89 0.00 | 18.23 1.07 -0.26 | 22.08 1.11 -3.81 | 21.28 1.34 -0.57 | 20.60 1.30 -0.15 | 20.72 1.23 0.00 | 20.65 1.22 0.00 | 20.81 1.22 0.00 | 20.81 1.18 0.00 | 22.46 1.41 0.00 | 26.67 1.59 -3.02 | 28.32 1.90 -1.45 | 31.04 1.79 -3.65 | 25.87 1.72 -0.30 | 23.38 1.49 -0.35 | 20.92 1.18 0.00 | 18.27 0.94 0.00 |
| DASHVILLE___HYD 23610 | 16.67 0.89 -0.16 | 15.81 0.53 -2.37 | 14.07 0.46 -1.47 | 13.90 0.40 -3.00 | 13.80 0.40 -3.04 | 14.12 0.37 -2.76 | 13.79 0.67 0.00 | 15.33 0.66 0.00 | 17.81 0.69 -0.21 | 20.83 0.62 -3.06 | 20.56 0.74 -0.46 | 20.26 1.00 -0.12 | 20.54 1.05 0.00 | 20.47 1.05 0.00 | 20.64 1.04 0.00 | 20.68 1.04 0.00 | 22.21 1.16 0.00 | 25.48 0.99 -2.42 | 27.31 1.17 -1.17 | 29.71 1.08 -3.03 | 25.13 1.03 -0.25 | 22.85 1.01 -0.29 | 20.64 0.91 0.00 | 17.97 0.64 0.00 |
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 17.62 1.84 -0.15 | 16.61 1.41 -2.30 | 14.85 1.29 -1.43 | 14.53 1.11 -2.91 | 14.36 1.06 -2.95 | 14.76 1.10 -2.68 | 14.77 1.65 0.00 | 16.15 1.48 0.00 | 18.97 1.86 -0.20 | 22.04 1.92 -2.97 | 22.37 2.54 -0.46 | 21.84 2.57 -0.14 | 22.98 2.69 -0.80 | 24.68 2.72 -2.53 | 25.10 2.74 -2.76 | 26.14 2.79 -3.72 | 28.69 3.03 -4.61 | 30.59 3.22 -5.30 | 31.21 3.67 -2.58 | 33.54 3.64 -4.30 | 27.94 3.27 -0.81 | 25.28 2.87 -0.86 | 22.08 2.35 0.00 | 18.87 1.54 0.00 |
| DELAWARE___LFGE 323621 | 16.28 0.58 -0.08 | 14.57 0.48 -1.19 | 13.30 0.42 -0.74 | 12.35 0.35 -1.50 | 12.24 0.36 -1.52 | 12.76 0.40 -1.38 | 13.63 0.51 0.00 | 15.14 0.47 0.00 | 17.55 0.54 -0.11 | 19.24 0.57 -1.53 | 20.24 0.64 -0.23 | 19.88 0.67 -0.06 | 20.17 0.68 0.00 | 20.10 0.68 0.00 | 20.30 0.71 0.00 | 20.32 0.69 0.00 | 21.79 0.74 0.00 | 24.16 0.88 -1.21 | 26.57 1.02 -0.58 | 28.07 0.95 -1.52 | 24.86 0.88 -0.12 | 22.45 0.75 -0.14 | 20.37 0.63 0.00 | 17.85 0.52 0.00 |
| DERFIELD_115KV_TB7 355931 | 15.71 0.08 -0.01 | 13.19 0.09 -0.20 | 12.32 0.06 -0.12 | 10.78 0.03 -0.25 | 10.66 0.05 -0.25 | 11.27 0.07 -0.23 | 13.21 0.09 0.00 | 14.67 0.00 0.00 | 16.92 0.00 -0.02 | 17.40 0.00 -0.25 | 19.41 0.00 -0.04 | 19.17 0.02 -0.01 | 19.53 0.04 0.00 | 19.46 0.04 0.00 | 19.66 0.06 0.00 | 19.69 0.06 0.00 | 21.09 0.04 0.00 | 22.42 0.15 -0.20 | 25.26 0.20 -0.10 | 25.90 0.05 -0.25 | 23.93 0.05 -0.02 | 21.62 0.04 -0.02 | 19.76 0.02 0.00 | 17.35 0.02 0.00 |
| DOGLEVILLE___HYD 23807 | 15.54 -0.09 -0.01 | 13.03 -0.08 -0.20 | 12.16 -0.10 -0.12 | 10.64 -0.12 -0.25 | 10.51 -0.10 -0.25 | 11.12 -0.09 -0.23 | 13.03 -0.09 0.00 | 14.46 -0.21 0.00 | 16.68 -0.24 -0.02 | 17.20 -0.21 -0.25 | 19.20 -0.21 -0.04 | 18.96 -0.19 -0.01 | 19.32 -0.18 0.00 | 19.23 -0.19 0.00 | 19.44 -0.16 0.00 | 19.50 -0.14 0.00 | 20.88 -0.17 0.00 | 22.22 -0.04 -0.20 | 25.04 -0.02 -0.10 | 25.42 -0.18 0.00 | 23.69 -0.17 0.00 | 21.42 -0.13 0.00 | 19.60 -0.14 0.00 | 17.23 -0.10 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 15.75 0.09 -0.03 | 13.54 0.13 -0.50 | 12.55 0.11 -0.31 | 11.16 0.02 -0.63 | 11.09 0.09 -0.64 | 11.68 0.12 -0.58 | 13.32 0.20 0.00 | 14.52 -0.15 0.00 | 16.61 -0.34 -0.04 | 17.43 -0.36 -0.64 | 18.91 -0.56 -0.10 | 18.73 -0.44 -0.03 | 19.30 -0.19 0.00 | 19.35 -0.08 0.00 | 19.64 0.04 0.00 | 19.73 0.10 0.00 | 20.97 -0.08 0.00 | 22.64 0.07 -0.51 | 25.29 0.07 -0.25 | 25.99 -0.26 -0.64 | 23.77 -0.14 -0.05 | 21.38 -0.24 -0.06 | 19.74 0.00 0.00 | 17.90 0.57 0.00 |
| DUNKIRK___1 23563 | 15.75 0.09 -0.03 | 13.54 0.13 -0.50 | 12.55 0.11 -0.31 | 11.16 0.02 -0.63 | 11.09 0.09 -0.64 | 11.68 0.12 -0.58 | 13.32 0.20 0.00 | 14.52 -0.15 0.00 | 16.61 -0.34 -0.04 | 17.43 -0.36 -0.64 | 18.91 -0.56 -0.10 | 18.73 -0.44 -0.03 | 19.30 -0.19 0.00 | 19.35 -0.08 0.00 | 19.64 0.04 0.00 | 19.73 0.10 0.00 | 20.97 -0.08 0.00 | 22.64 0.07 -0.51 | 25.29 0.07 -0.25 | 25.99 -0.26 -0.64 | 23.77 -0.14 -0.05 | 21.38 -0.24 -0.06 | 19.74 0.00 0.00 | 17.90 0.57 0.00 |
| DUNKIRK___2 23564 | 15.75 0.09 -0.03 | 13.54 0.13 -0.50 | 12.55 0.11 -0.31 | 11.16 0.02 -0.63 | 11.09 0.09 -0.64 | 11.68 0.12 -0.58 | 13.32 0.20 0.00 | 14.52 -0.15 0.00 | 16.61 -0.34 -0.04 | 17.43 -0.36 -0.64 | 18.91 -0.56 -0.10 | 18.73 -0.44 -0.03 | 19.30 -0.19 0.00 | 19.35 -0.08 0.00 | 19.64 0.04 0.00 | 19.73 0.10 0.00 | 20.97 -0.08 0.00 | 22.64 0.07 -0.51 | 25.29 0.07 -0.25 | 25.99 -0.26 -0.64 | 23.77 -0.14 -0.05 | 21.38 -0.24 -0.06 | 19.74 0.00 0.00 | 17.90 0.57 0.00 |
| DUNKIRK___3 23565 | 15.70 0.05 -0.03 | 13.48 0.08 -0.50 | 12.51 0.06 -0.31 | 11.12 -0.02 -0.63 | 11.05 0.05 -0.64 | 11.64 0.08 -0.58 | 13.28 0.16 0.00 | 14.46 -0.21 0.00 | 16.54 -0.41 -0.04 | 17.36 -0.43 -0.64 | 18.83 -0.64 -0.10 | 18.65 -0.52 -0.03 | 19.22 -0.27 0.00 | 19.25 -0.17 0.00 | 19.56 -0.04 0.00 | 19.65 0.02 0.00 | 20.88 -0.17 0.00 | 22.53 -0.04 -0.51 | 25.16 -0.05 -0.25 | 25.86 -0.38 -0.64 | 23.65 -0.26 -0.05 | 21.27 -0.34 -0.06 | 19.66 -0.08 0.00 | 17.82 0.49 0.00 |
| DUNKIRK___4 23566 | 15.70 0.05 -0.03 | 13.48 0.08 -0.49 | 12.50 0.06 -0.31 | 11.11 -0.02 -0.62 | 11.04 0.05 -0.63 | 11.63 0.08 -0.57 | 13.28 0.16 0.00 | 14.45 -0.22 0.00 | 16.53 -0.42 -0.04 | 17.34 -0.45 -0.64 | 18.83 -0.64 -0.09 | 18.65 -0.52 -0.03 | 19.22 -0.27 0.00 | 19.25 -0.17 0.00 | 19.56 -0.04 0.00 | 19.64 0.00 0.00 | 20.86 -0.19 0.00 | 22.52 -0.04 -0.50 | 25.16 -0.05 -0.24 | 25.85 -0.38 -0.63 | 23.65 -0.26 -0.05 | 21.27 -0.34 -0.06 | 19.64 -0.10 0.00 | 17.83 0.50 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 16.80 1.03 -0.15 | 16.01 0.80 -2.30 | 14.29 0.73 -1.43 | 14.04 0.63 -2.91 | 13.94 0.63 -2.95 | 14.29 0.64 -2.68 | 13.96 0.84 0.00 | 15.54 0.87 0.00 | 18.09 0.98 -0.20 | 21.16 1.05 -2.97 | 21.07 1.26 -0.44 | 20.58 1.32 -0.12 | 20.88 1.38 0.00 | 20.80 1.38 0.00 | 20.99 1.39 0.00 | 21.01 1.37 0.00 | 22.55 1.49 0.00 | 26.02 1.61 -2.35 | 27.89 1.80 -1.13 | 30.26 1.72 -2.94 | 25.72 1.62 -0.24 | 23.28 1.44 -0.28 | 20.94 1.20 0.00 | 18.16 0.83 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 16.63 0.86 -0.15 | 15.79 0.67 -2.21 | 14.12 0.61 -1.37 | 13.82 0.51 -2.80 | 13.72 0.52 -2.84 | 14.07 0.52 -2.58 | 13.80 0.68 0.00 | 15.34 0.67 0.00 | 17.88 0.78 -0.20 | 20.81 0.81 -2.86 | 20.75 0.95 -0.43 | 20.25 1.00 -0.11 | 20.54 1.05 0.00 | 20.47 1.05 0.00 | 20.66 1.06 0.00 | 20.68 1.04 0.00 | 22.21 1.16 0.00 | 25.58 1.26 -2.26 | 27.50 1.45 -1.09 | 29.79 1.36 -2.83 | 25.35 1.26 -0.23 | 22.94 1.12 -0.27 | 20.66 0.93 0.00 | 17.99 0.66 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 17.00 1.22 -0.16 | 16.17 0.96 -2.31 | 14.46 0.89 -1.44 | 14.19 0.77 -2.91 | 14.07 0.76 -2.96 | 14.44 0.78 -2.68 | 14.08 0.96 0.00 | 15.59 0.92 0.00 | 18.07 0.96 -0.20 | 21.18 1.06 -2.97 | 21.07 1.26 -0.44 | 20.64 1.38 -0.12 | 21.02 1.52 -0.01 | 20.97 1.53 -0.01 | 21.16 1.55 -0.01 | 21.17 1.53 -0.01 | 22.72 1.66 -0.01 | 26.21 1.79 -2.36 | 28.08 1.97 -1.14 | 30.46 1.92 -2.94 | 25.91 1.81 -0.24 | 23.50 1.66 -0.29 | 21.14 1.40 -0.01 | 18.41 1.07 -0.01 |
| E179THST_13_KV_LOAD 356214 | 17.06 1.28 -0.16 | 16.22 1.01 -2.31 | 14.51 0.93 -1.44 | 14.22 0.80 -2.91 | 14.10 0.79 -2.96 | 14.47 0.81 -2.68 | 14.13 1.01 0.00 | 15.64 0.97 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.74 1.47 -0.12 | 21.12 1.62 -0.01 | 21.06 1.63 -0.01 | 21.25 1.65 -0.01 | 21.27 1.63 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.20 2.10 -1.14 | 30.59 2.05 -2.94 | 26.00 1.91 -0.24 | 23.58 1.75 -0.29 | 21.24 1.50 -0.01 | 18.46 1.13 -0.01 |

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|--|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------------------|
| EAST HAMPTON___GT 23717 | 17.80 2.03 -0.15 | 16.77 1.56 -2.30 | 14.99 1.43 -1.43 | 14.64 1.23 -2.91 | 14.49 1.18 -2.95 | 14.88 1.22 -2.68 | 14.80 1.68 0.00 | 16.33 1.66 0.00 | 19.17 2.06 -0.20 | 22.26 2.14 -2.97 | 22.66 2.83 -0.46 | 22.13 2.85 -0.14 | 23.28 2.98 -0.80 | 24.95 2.99 -2.53 | 25.38 3.02 -2.76 | 26.44 3.08 -3.72 | 29.00 3.35 -4.61 | 30.92 3.55 -5.30 | 31.57 4.02 -2.58 | 33.82 4.04 -4.18 | 28.26 3.60 -0.80 | 25.59 3.19 -0.85 | 22.30 2.56 0.00 | 19.05 1.72 0.00 |
| EAST RIVER___6 23660 | 16.82 1.05 -0.15 | 16.01 0.80 -2.30 | 14.30 0.74 -1.43 | 14.04 0.63 -2.91 | 13.94 0.63 -2.95 | 14.29 0.64 -2.68 | 13.95 0.83 0.00 | 15.55 0.88 0.00 | 18.09 0.98 -0.20 | 21.18 1.06 -2.97 | 21.09 1.28 -0.44 | 20.64 1.38 -0.12 | 20.93 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.61 1.56 0.00 | 26.07 1.66 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.73 1.64 -0.23 | 23.31 1.49 -0.27 | 20.96 1.22 0.00 | 18.16 0.83 0.00 |
| EAST RIVER___7 23524 | 16.82 1.05 -0.15 | 16.01 0.80 -2.30 | 14.30 0.74 -1.43 | 14.04 0.63 -2.91 | 13.94 0.63 -2.95 | 14.29 0.64 -2.68 | 13.95 0.83 0.00 | 15.55 0.88 0.00 | 18.09 0.98 -0.20 | 21.18 1.06 -2.97 | 21.09 1.28 -0.44 | 20.64 1.38 -0.12 | 20.93 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.61 1.56 0.00 | 26.07 1.66 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.73 1.64 -0.23 | 23.31 1.49 -0.27 | 20.96 1.22 0.00 | 18.16 0.83 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 16.76 0.98 -0.15 | 15.97 0.77 -2.29 | 14.26 0.70 -1.42 | 14.01 0.61 -2.90 | 13.90 0.60 -2.94 | 14.26 0.61 -2.67 | 13.92 0.80 0.00 | 15.49 0.82 0.00 | 18.04 0.93 -0.20 | 21.10 0.99 -2.96 | 21.01 1.20 -0.44 | 20.51 1.24 -0.12 | 20.80 1.31 0.00 | 20.73 1.30 0.00 | 20.91 1.31 0.00 | 20.93 1.30 0.00 | 22.48 1.43 0.00 | 25.95 1.54 -2.34 | 27.79 1.70 -1.13 | 30.17 1.64 -2.93 | 25.62 1.53 -0.24 | 23.21 1.38 -0.28 | 20.88 1.14 0.00 | 18.13 0.80 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 17.82 2.05 -0.15 | 16.77 1.56 -2.30 | 14.99 1.43 -1.43 | 14.64 1.23 -2.91 | 14.49 1.18 -2.95 | 14.88 1.22 -2.68 | 14.80 1.68 0.00 | 16.33 1.66 0.00 | 19.19 2.08 -0.20 | 22.26 2.14 -2.97 | 22.66 2.83 -0.46 | 22.15 2.87 -0.14 | 23.28 2.98 -0.80 | 24.95 2.99 -2.53 | 25.40 3.04 -2.76 | 26.44 3.08 -3.72 | 29.00 3.35 -4.61 | 30.92 3.55 -5.30 | 31.57 4.02 -2.58 | 33.82 4.04 -4.18 | 28.28 3.62 -0.80 | 25.59 3.19 -0.85 | 22.30 2.56 0.00 | 19.06 1.73 0.00 |
| EAST_PULASKI___ESR 323781 | 15.89 0.25 -0.02 | 13.45 0.23 -0.31 | 12.51 0.18 -0.19 | 11.04 0.14 -0.40 | 10.92 0.17 -0.40 | 11.54 0.20 -0.36 | 13.40 0.28 0.00 | 14.85 0.18 0.00 | 17.13 0.20 -0.03 | 17.76 0.21 -0.40 | 19.64 0.21 -0.06 | 19.37 0.21 -0.02 | 19.71 0.21 0.00 | 19.66 0.23 0.00 | 19.85 0.25 0.00 | 19.91 0.27 0.00 | 21.26 0.21 0.00 | 22.85 0.46 -0.32 | 25.74 0.62 -0.15 | 26.59 0.59 -0.40 | 24.39 0.50 -0.03 | 21.96 0.37 -0.04 | 20.01 0.28 0.00 | 17.66 0.33 0.00 |
| EAST_RIVER___1 323558 | 16.88 1.11 -0.15 | 16.06 0.85 -2.30 | 14.34 0.78 -1.43 | 14.08 0.67 -2.91 | 13.98 0.67 -2.95 | 14.34 0.68 -2.68 | 13.99 0.87 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.21 1.10 -2.97 | 21.13 1.32 -0.44 | 20.66 1.40 -0.12 | 20.97 1.48 0.00 | 20.90 1.48 0.00 | 21.09 1.49 0.00 | 21.09 1.45 0.00 | 22.65 1.60 0.00 | 26.11 1.70 -2.35 | 27.94 1.85 -1.13 | 30.21 1.79 -2.82 | 25.78 1.69 -0.23 | 23.37 1.55 -0.27 | 21.02 1.28 0.00 | 18.23 0.90 0.00 |
| EAST_RIVER___2 323559 | 16.82 1.05 -0.15 | 16.01 0.80 -2.30 | 14.30 0.74 -1.43 | 14.04 0.63 -2.91 | 13.94 0.63 -2.95 | 14.29 0.64 -2.68 | 13.95 0.83 0.00 | 15.55 0.88 0.00 | 18.09 0.98 -0.20 | 21.18 1.06 -2.97 | 21.09 1.28 -0.44 | 20.64 1.38 -0.12 | 20.93 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.61 1.56 0.00 | 26.07 1.66 -2.35 | 27.90 1.80 -1.13 | 30.17 1.74 -2.82 | 25.73 1.64 -0.23 | 23.31 1.49 -0.27 | 20.96 1.22 0.00 | 18.16 0.83 0.00 |
| EAST___DELAWARE_HYD 23607 | 16.44 0.69 -0.13 | 15.43 0.52 -2.01 | 13.83 0.45 -1.25 | 13.43 0.39 -2.54 | 13.32 0.38 -2.58 | 13.68 0.36 -2.34 | 13.59 0.47 0.00 | 15.14 0.47 0.00 | 17.64 0.56 -0.18 | 20.32 0.58 -2.59 | 20.45 0.70 -0.39 | 19.98 0.73 -0.10 | 20.27 0.78 0.00 | 20.18 0.76 0.00 | 20.36 0.76 0.00 | 20.38 0.75 0.00 | 21.92 0.86 0.00 | 25.08 0.97 -2.05 | 27.13 1.17 -0.99 | 29.10 1.05 -2.45 | 25.01 0.96 -0.20 | 22.65 0.86 -0.23 | 20.37 0.63 0.00 | 17.75 0.42 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 15.83 0.17 -0.04 | 13.63 0.14 -0.58 | 12.60 0.11 -0.36 | 11.27 0.03 -0.73 | 11.21 0.11 -0.74 | 11.78 0.13 -0.67 | 13.36 0.24 0.00 | 14.67 0.00 0.00 | 16.84 -0.12 -0.05 | 17.74 -0.15 -0.75 | 19.35 -0.13 -0.11 | 19.10 -0.08 -0.03 | 19.59 0.10 0.00 | 19.60 0.17 0.00 | 19.87 0.27 0.00 | 19.95 0.31 0.00 | 21.20 0.15 0.00 | 22.99 0.33 -0.59 | 25.70 0.45 -0.28 | 26.45 0.28 -0.57 | 24.21 0.31 -0.05 | 21.97 0.37 -0.05 | 20.11 0.37 0.00 | 17.95 0.62 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 15.66 0.02 -0.02 | 13.32 0.04 -0.38 | 12.38 0.01 -0.23 | 10.97 -0.01 -0.48 | 10.86 0.02 -0.48 | 11.45 0.03 -0.44 | 13.19 0.07 0.00 | 14.61 -0.06 0.00 | 16.85 -0.08 -0.03 | 17.55 -0.09 -0.49 | 19.33 -0.12 -0.07 | 19.05 -0.11 -0.02 | 19.41 -0.08 0.00 | 19.37 -0.06 0.00 | 19.58 -0.02 0.00 | 19.64 0.00 0.00 | 20.97 -0.08 0.00 | 22.51 0.07 -0.38 | 25.28 0.12 -0.19 | 26.11 0.03 -0.48 | 23.90 0.00 -0.04 | 21.55 -0.04 -0.05 | 19.68 -0.06 0.00 | 17.38 0.05 0.00 |
| ELEC_TRO_TEK 24086 | 16.91 1.14 -0.15 | 16.06 0.85 -2.30 | 14.33 0.76 -1.43 | 14.07 0.66 -2.91 | 13.94 0.63 -2.95 | 14.31 0.65 -2.68 | 14.11 0.98 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.26 1.15 -2.97 | 21.36 1.53 -0.46 | 20.83 1.55 -0.14 | 21.93 1.64 -0.80 | 23.59 1.63 -2.53 | 24.01 1.65 -2.76 | 24.97 1.61 -3.72 | 27.40 1.75 -4.61 | 29.27 1.90 -5.30 | 29.67 2.12 -2.58 | 31.95 2.05 -4.30 | 26.58 1.91 -0.81 | 24.14 1.72 -0.86 | 21.16 1.42 0.00 | 18.20 0.87 0.00 |
| ELLENBURG_WT_PWR 323604 | 15.62 0.00 0.00 | 12.92 -0.04 -0.05 | 12.19 0.02 -0.03 | 10.69 0.12 -0.07 | 10.47 0.04 -0.07 | 11.11 0.07 -0.06 | 13.19 0.07 0.00 | 14.86 0.19 0.00 | 17.18 0.27 0.00 | 17.47 0.26 -0.07 | 19.69 0.31 -0.01 | 19.39 0.25 0.00 | 19.69 0.19 0.00 | 19.56 0.14 0.00 | 19.68 0.08 0.00 | 19.75 0.12 0.00 | 21.26 0.21 0.00 | 22.29 0.18 -0.05 | 25.07 0.08 -0.03 | 25.71 0.10 0.00 | 23.95 0.10 0.00 | 21.62 0.06 0.00 | 19.85 0.12 0.00 | 17.37 0.03 0.00 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 15.57 -0.08 -0.03 | 13.40 0.01 -0.48 | 12.43 0.00 -0.30 | 11.04 -0.07 -0.61 | 10.96 -0.01 -0.61 | 11.55 0.01 -0.56 | 13.13 0.01 0.00 | 14.29 -0.38 0.00 | 16.37 -0.57 -0.04 | 17.15 -0.62 -0.62 | 18.63 -0.83 -0.09 | 18.42 -0.75 -0.02 | 18.99 -0.51 0.00 | 19.02 -0.41 0.00 | 19.31 -0.29 0.00 | 19.38 -0.26 0.00 | 20.59 -0.46 0.00 | 22.24 -0.31 -0.49 | 24.85 -0.35 -0.24 | 25.52 -0.69 -0.61 | 23.36 -0.55 -0.05 | 21.01 -0.60 -0.06 | 19.38 -0.36 0.00 | 17.64 0.31 0.00 |
| EMPIRE_CC_1 323656 | 16.32 0.51 -0.18 | 16.15 0.45 -2.79 | 14.29 0.42 -1.73 | 14.39 0.36 -3.52 | 14.30 0.36 -3.58 | 14.62 0.39 -3.25 | 13.57 0.45 0.00 | 15.10 0.43 0.00 | 17.64 0.49 -0.25 | 21.21 0.46 -3.60 | 20.49 0.58 -0.54 | 19.86 0.57 -0.14 | 20.06 0.57 0.00 | 19.99 0.56 0.00 | 20.17 0.57 0.00 | 20.18 0.55 0.00 | 21.64 0.59 0.00 | 25.57 0.66 -2.85 | 27.11 0.77 -1.37 | 29.76 0.72 -3.44 | 24.80 0.67 -0.28 | 22.50 0.63 -0.33 | 20.15 0.42 0.00 | 17.69 0.36 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| EMPIRE_CC_2 323658 | 16.32 0.51 -0.18 | 16.15 0.45 -2.79 | 14.29 0.42 -1.73 | 14.39 0.36 -3.52 | 14.30 0.36 -3.58 | 14.62 0.39 -3.25 | 13.57 0.45 0.00 | 15.10 0.43 0.00 | 17.64 0.49 -0.25 | 21.21 0.46 -3.60 | 20.49 0.58 -0.54 | 19.86 0.57 -0.14 | 20.06 0.57 0.00 | 19.99 0.56 0.00 | 20.17 0.57 0.00 | 20.18 0.55 0.00 | 21.64 0.59 0.00 | 25.57 0.66 -2.85 | 27.11 0.77 -1.37 | 29.76 0.72 -3.44 | 24.80 0.67 -0.28 | 22.50 0.63 -0.33 | 20.15 0.42 0.00 | 17.69 0.36 0.00 |
| ENORWICH_115KV_TB1 80156 | 16.66 0.98 -0.06 | 14.56 0.81 -0.84 | 13.38 0.73 -0.52 | 12.15 0.59 -1.06 | 12.03 0.60 -1.08 | 12.67 0.71 -0.98 | 14.04 0.92 0.00 | 15.52 0.85 0.00 | 17.94 0.96 -0.07 | 19.21 0.98 -1.08 | 20.62 1.08 -0.16 | 20.26 1.07 -0.04 | 20.56 1.07 0.00 | 20.51 1.09 0.00 | 20.74 1.14 0.00 | 20.75 1.12 0.00 | 22.23 1.18 0.00 | 24.44 1.52 -0.86 | 27.30 1.92 -0.41 | 28.60 1.92 -1.07 | 25.69 1.74 -0.09 | 23.10 1.44 -0.10 | 21.04 1.30 0.00 | 18.56 1.23 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 15.56 -0.09 -0.03 | 13.24 -0.15 -0.49 | 12.27 -0.17 -0.30 | 10.90 -0.22 -0.62 | 10.84 -0.15 -0.63 | 11.42 -0.13 -0.57 | 13.15 0.03 0.00 | 14.32 -0.35 0.00 | 16.25 -0.69 -0.04 | 17.03 -0.75 -0.63 | 18.46 -1.01 -0.09 | 18.44 -0.73 -0.03 | 19.00 -0.49 0.00 | 19.06 -0.37 0.00 | 19.36 -0.24 0.00 | 19.44 -0.20 0.00 | 20.65 -0.40 0.00 | 22.12 -0.44 -0.50 | 24.68 -0.52 -0.24 | 25.38 -0.84 -0.63 | 23.19 -0.72 -0.05 | 20.90 -0.71 -0.06 | 19.42 -0.32 0.00 | 17.63 0.29 0.00 |
| ERIE_WT_PWR 323693 | 15.62 -0.03 -0.03 | 13.41 0.01 -0.49 | 12.44 0.00 -0.30 | 11.05 -0.07 -0.61 | 10.98 0.00 -0.62 | 11.57 0.02 -0.57 | 13.16 0.04 0.00 | 14.36 -0.31 0.00 | 16.41 -0.54 -0.04 | 17.21 -0.57 -0.63 | 18.81 -0.66 -0.09 | 18.56 -0.61 -0.03 | 19.08 -0.41 0.00 | 19.11 -0.31 0.00 | 19.40 -0.20 0.00 | 19.50 -0.14 0.00 | 20.69 -0.36 0.00 | 22.32 -0.24 -0.50 | 24.93 -0.27 -0.24 | 25.46 -0.59 -0.45 | 23.49 -0.41 -0.04 | 21.34 -0.26 -0.04 | 19.66 -0.08 0.00 | 17.71 0.38 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 16.79 1.28 0.12 | 12.23 1.08 1.76 | 12.06 1.02 1.09 | 9.15 0.87 2.22 | 8.98 0.88 2.26 | 9.95 1.02 2.05 | 14.32 1.19 0.00 | 15.95 1.28 0.00 | 18.24 1.49 0.16 | 16.39 1.51 2.27 | 20.74 1.70 0.34 | 20.83 1.78 0.09 | 21.29 1.79 0.00 | 21.25 1.83 0.00 | 21.50 1.90 0.00 | 21.54 1.90 0.00 | 23.24 2.19 0.00 | 22.78 2.52 1.80 | 26.95 2.85 0.87 | 26.07 2.71 2.25 | 26.25 2.58 0.18 | 23.47 2.13 0.21 | 21.53 1.80 0.00 | 18.73 1.40 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 16.02 0.36 -0.04 | 13.84 0.31 -0.62 | 12.79 0.27 -0.39 | 11.49 0.20 -0.79 | 11.38 0.23 -0.80 | 11.97 0.26 -0.72 | 13.49 0.37 0.00 | 14.93 0.26 0.00 | 17.23 0.27 -0.06 | 18.21 0.26 -0.80 | 19.76 0.27 -0.12 | 19.48 0.31 -0.03 | 19.84 0.35 0.00 | 19.79 0.37 0.00 | 20.01 0.41 0.00 | 20.07 0.43 0.00 | 21.43 0.38 0.00 | 23.30 0.60 -0.64 | 26.02 0.75 -0.31 | 27.09 0.69 -0.80 | 24.52 0.60 -0.06 | 22.10 0.47 -0.08 | 20.15 0.41 0.00 | 17.78 0.45 0.00 |
| ETNA_____115KV_TB2 80207 | 16.02 0.36 -0.04 | 13.84 0.31 -0.62 | 12.79 0.27 -0.39 | 11.49 0.20 -0.79 | 11.38 0.23 -0.80 | 11.97 0.26 -0.72 | 13.49 0.37 0.00 | 14.93 0.26 0.00 | 17.23 0.27 -0.06 | 18.21 0.26 -0.80 | 19.76 0.27 -0.12 | 19.48 0.31 -0.03 | 19.84 0.35 0.00 | 19.79 0.37 0.00 | 20.01 0.41 0.00 | 20.07 0.43 0.00 | 21.43 0.38 0.00 | 23.30 0.60 -0.64 | 26.02 0.75 -0.31 | 27.09 0.69 -0.80 | 24.52 0.60 -0.06 | 22.10 0.47 -0.08 | 20.15 0.41 0.00 | 17.78 0.45 0.00 |
| EUCLID__115KV_TB2 356179 | 15.58 -0.06 -0.02 | 13.21 -0.03 -0.33 | 12.29 -0.05 -0.20 | 10.86 -0.06 -0.42 | 10.75 -0.03 -0.42 | 11.33 -0.03 -0.38 | 13.11 -0.01 0.00 | 14.52 -0.15 0.00 | 16.76 -0.17 -0.03 | 17.40 -0.17 -0.43 | 19.20 -0.23 -0.06 | 18.93 -0.23 -0.02 | 19.32 -0.18 0.00 | 19.25 -0.17 0.00 | 19.46 -0.14 0.00 | 19.52 -0.12 0.00 | 20.84 -0.21 0.00 | 22.34 -0.07 -0.34 | 25.10 -0.02 -0.16 | 25.87 -0.15 -0.42 | 23.75 -0.14 -0.03 | 21.42 -0.17 -0.04 | 19.56 -0.18 0.00 | 17.28 -0.05 0.00 |
| E_CANADA_CAP_HY 24051 | 17.11 1.30 -0.20 | 16.99 1.10 -2.99 | 15.01 1.02 -1.86 | 15.17 0.88 -3.78 | 15.09 0.89 -3.84 | 15.50 1.03 -3.49 | 14.38 1.26 0.00 | 15.95 1.28 0.00 | 18.66 1.49 -0.27 | 22.52 1.51 -3.86 | 21.69 1.74 -0.58 | 21.10 1.80 -0.16 | 21.32 1.83 0.00 | 21.27 1.85 0.00 | 21.54 1.94 0.00 | 21.58 1.94 0.00 | 23.26 2.21 0.00 | 27.68 2.56 -3.06 | 29.31 2.87 -1.47 | 32.06 2.77 -3.70 | 26.78 2.62 -0.30 | 24.10 2.20 -0.35 | 21.53 1.80 0.00 | 18.75 1.42 0.00 |
| E_CANADA_MHWK_HY 24050 | 15.54 -0.09 -0.01 | 13.03 -0.08 -0.20 | 12.16 -0.10 -0.12 | 10.64 -0.12 -0.25 | 10.51 -0.10 -0.25 | 11.12 -0.09 -0.23 | 13.03 -0.09 0.00 | 14.46 -0.21 0.00 | 16.68 -0.24 -0.02 | 17.20 -0.21 -0.25 | 19.20 -0.21 -0.04 | 18.96 -0.19 -0.01 | 19.32 -0.18 0.00 | 19.23 -0.19 0.00 | 19.44 -0.16 0.00 | 19.50 -0.14 0.00 | 20.88 -0.17 0.00 | 22.22 -0.04 -0.20 | 25.04 -0.02 -0.10 | 25.42 -0.18 0.00 | 23.69 -0.17 0.00 | 21.42 -0.13 0.00 | 19.60 -0.14 0.00 | 17.23 -0.10 0.00 |
| E_FISHKILL__LBMP 23776 | 16.65 0.87 -0.16 | 15.96 0.70 -2.36 | 14.23 0.63 -1.46 | 14.02 0.54 -2.98 | 13.92 0.54 -3.03 | 14.28 0.55 -2.75 | 13.83 0.71 0.00 | 15.39 0.72 0.00 | 17.94 0.83 -0.21 | 21.07 0.87 -3.04 | 20.87 1.05 -0.45 | 20.34 1.07 -0.12 | 20.62 1.13 0.00 | 20.55 1.13 0.00 | 20.74 1.14 0.00 | 20.75 1.12 0.00 | 22.27 1.22 0.00 | 25.80 1.32 -2.41 | 27.60 1.47 -1.16 | 30.03 1.41 -3.02 | 25.44 1.34 -0.24 | 23.02 1.19 -0.29 | 20.72 0.99 0.00 | 18.02 0.69 0.00 |
| FALCON__SEABRD_CC1 323796 | 15.81 0.19 0.00 | 13.06 0.10 -0.05 | 12.34 0.17 -0.03 | 10.81 0.24 -0.07 | 10.59 0.17 -0.07 | 11.24 0.20 -0.06 | 13.32 0.20 0.00 | 15.01 0.34 0.00 | 17.37 0.46 0.00 | 17.65 0.43 -0.07 | 19.88 0.50 -0.01 | 19.61 0.46 0.00 | 19.86 0.37 0.00 | 19.76 0.33 0.00 | 19.85 0.25 0.00 | 19.95 0.31 0.00 | 21.49 0.44 0.00 | 22.54 0.42 -0.05 | 25.32 0.32 -0.03 | 25.99 0.38 0.00 | 24.22 0.36 0.00 | 21.85 0.30 0.00 | 20.07 0.34 0.00 | 17.54 0.21 0.00 |
| FALCON__SEABRD_CC2 323797 | 15.81 0.19 0.00 | 13.06 0.10 -0.05 | 12.34 0.17 -0.03 | 10.81 0.24 -0.07 | 10.59 0.17 -0.07 | 11.24 0.20 -0.06 | 13.32 0.20 0.00 | 15.01 0.34 0.00 | 17.37 0.46 0.00 | 17.65 0.43 -0.07 | 19.88 0.50 -0.01 | 19.61 0.46 0.00 | 19.86 0.37 0.00 | 19.76 0.33 0.00 | 19.85 0.25 0.00 | 19.95 0.31 0.00 | 21.49 0.44 0.00 | 22.54 0.42 -0.05 | 25.32 0.32 -0.03 | 25.99 0.38 0.00 | 24.22 0.36 0.00 | 21.85 0.30 0.00 | 20.07 0.34 0.00 | 17.54 0.21 0.00 |
| FAR ROCKAWAY__4 23548 | 17.12 1.34 -0.15 | 16.23 1.02 -2.30 | 14.49 0.92 -1.43 | 14.20 0.79 -2.91 | 14.06 0.76 -2.95 | 14.43 0.77 -2.68 | 14.28 1.15 0.00 | 15.71 1.04 0.00 | 18.41 1.30 -0.20 | 21.49 1.37 -2.97 | 21.65 1.82 -0.46 | 21.12 1.84 -0.14 | 22.22 1.93 -0.80 | 23.88 1.92 -2.53 | 24.30 1.94 -2.76 | 25.28 1.92 -3.72 | 27.74 2.08 -4.61 | 29.60 2.23 -5.30 | 30.04 2.50 -2.58 | 32.36 2.46 -4.30 | 26.96 2.29 -0.81 | 24.46 2.05 -0.86 | 21.43 1.70 0.00 | 18.42 1.09 0.00 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 16.90 1.12 -0.15 | 16.07 0.86 -2.30 | 14.35 0.79 -1.43 | 14.09 0.68 -2.91 | 13.99 0.68 -2.95 | 14.35 0.69 -2.68 | 14.03 0.91 0.00 | 15.61 0.94 0.00 | 18.16 1.05 -0.20 | 21.23 1.11 -2.97 | 21.13 1.32 -0.44 | 20.68 1.42 -0.12 | 20.99 1.50 0.00 | 20.92 1.50 0.00 | 21.11 1.51 0.00 | 21.11 1.47 0.00 | 22.67 1.62 0.00 | 26.13 1.72 -2.35 | 27.97 1.87 -1.13 | 30.36 1.82 -2.94 | 25.81 1.72 -0.24 | 23.36 1.53 -0.28 | 21.06 1.32 0.00 | 18.25 0.92 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 16.90 1.12 -0.15 | 16.07 0.86 -2.30 | 14.35 0.79 -1.43 | 14.09 0.68 -2.91 | 13.98 0.67 -2.95 | 14.35 0.69 -2.68 | 14.03 0.91 0.00 | 15.61 0.94 0.00 | 18.16 1.05 -0.20 | 21.23 1.11 -2.97 | 21.13 1.32 -0.44 | 20.68 1.42 -0.12 | 20.99 1.50 0.00 | 20.92 1.50 0.00 | 21.11 1.51 0.00 | 21.11 1.47 0.00 | 22.67 1.62 0.00 | 26.13 1.72 -2.35 | 27.97 1.87 -1.13 | 30.36 1.82 -2.94 | 25.81 1.72 -0.24 | 23.36 1.53 -0.28 | 21.06 1.32 0.00 | 18.25 0.92 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 16.88 1.11 -0.15 | 16.06 0.85 -2.30 | 14.34 0.78 -1.43 | 14.08 0.67 -2.91 | 13.98 0.67 -2.95 | 14.34 0.68 -2.68 | 14.01 0.89 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.21 1.10 -2.97 | 21.11 1.30 -0.44 | 20.66 1.40 -0.12 | 20.97 1.48 0.00 | 20.90 1.48 0.00 | 21.09 1.49 0.00 | 21.09 1.45 0.00 | 22.63 1.58 0.00 | 26.11 1.70 -2.35 | 27.94 1.85 -1.13 | 30.31 1.77 -2.94 | 25.79 1.69 -0.24 | 23.34 1.51 -0.28 | 21.04 1.30 0.00 | 18.23 0.90 0.00 |
| FARRAGUT___LBMP 323566 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.34 0.68 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.21 1.10 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.90 1.48 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.63 1.58 0.00 | 26.09 1.68 -2.35 | 27.92 1.82 -1.13 | 30.31 1.77 -2.94 | 25.79 1.69 -0.24 | 23.34 1.51 -0.28 | 21.04 1.30 0.00 | 18.23 0.90 0.00 |
| FENNER___WINDPWR 24204 | 15.96 0.31 -0.03 | 13.59 0.27 -0.41 | 12.62 0.23 -0.25 | 11.19 0.17 -0.52 | 11.08 0.20 -0.52 | 11.68 0.23 -0.47 | 13.42 0.30 0.00 | 14.89 0.22 0.00 | 17.18 0.24 -0.04 | 17.93 0.26 -0.53 | 19.72 0.27 -0.08 | 19.45 0.29 -0.02 | 19.80 0.31 0.00 | 19.73 0.31 0.00 | 19.93 0.33 0.00 | 19.97 0.33 0.00 | 21.35 0.29 0.00 | 22.94 0.46 -0.42 | 25.77 0.60 -0.20 | 26.45 0.51 -0.34 | 24.36 0.48 -0.03 | 21.99 0.41 -0.03 | 20.07 0.34 0.00 | 17.68 0.35 0.00 |
| FIBERTEK___ENERGY 23856 | 15.79 0.14 -0.02 | 13.40 0.13 -0.36 | 12.46 0.10 -0.22 | 11.03 0.06 -0.46 | 10.91 0.09 -0.46 | 11.51 0.11 -0.42 | 13.28 0.16 0.00 | 14.73 0.06 0.00 | 16.99 0.05 -0.03 | 17.65 0.03 -0.47 | 19.48 0.04 -0.07 | 19.22 0.06 -0.02 | 19.59 0.10 0.00 | 19.52 0.10 0.00 | 19.74 0.14 0.00 | 19.79 0.16 0.00 | 21.11 0.06 0.00 | 22.68 0.24 -0.37 | 25.47 0.32 -0.18 | 26.32 0.26 -0.46 | 24.11 0.21 -0.04 | 21.75 0.15 -0.04 | 19.83 0.10 0.00 | 17.50 0.17 0.00 |
| FITZPATRICK____ 23598 | 15.36 -0.28 -0.02 | 12.95 -0.22 -0.27 | 12.08 -0.22 -0.17 | 10.63 -0.21 -0.34 | 10.51 -0.19 -0.34 | 11.10 -0.19 -0.31 | 12.90 -0.22 0.00 | 14.33 -0.34 0.00 | 16.52 -0.41 -0.02 | 17.08 -0.41 -0.34 | 18.92 -0.50 -0.05 | 18.68 -0.48 -0.01 | 19.02 -0.47 0.00 | 18.98 -0.45 0.00 | 19.17 -0.43 0.00 | 19.20 -0.43 0.00 | 20.53 -0.53 0.00 | 21.92 -0.42 -0.27 | 24.65 -0.45 -0.13 | 25.21 -0.56 -0.17 | 23.35 -0.52 -0.01 | 21.07 -0.49 -0.02 | 19.28 -0.45 0.00 | 17.02 -0.31 0.00 |
| FLOWRFLD_69_KV_BK1 356044 | 17.23 1.45 -0.15 | 16.29 1.08 -2.30 | 14.55 0.98 -1.43 | 14.26 0.85 -2.91 | 14.12 0.81 -2.95 | 14.48 0.82 -2.68 | 14.41 1.29 0.00 | 15.80 1.13 0.00 | 18.55 1.44 -0.20 | 21.61 1.49 -2.97 | 21.83 2.00 -0.46 | 21.31 2.03 -0.14 | 22.42 2.12 -0.80 | 24.11 2.16 -2.53 | 24.54 2.18 -2.76 | 25.56 2.20 -3.72 | 28.08 2.42 -4.61 | 29.97 2.60 -5.30 | 30.49 2.95 -2.58 | 32.77 2.87 -4.30 | 27.29 2.62 -0.81 | 24.72 2.31 -0.86 | 21.59 1.86 0.00 | 18.49 1.16 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 16.77 1.00 -0.15 | 15.99 0.77 -2.31 | 14.27 0.70 -1.43 | 14.03 0.61 -2.92 | 13.92 0.60 -2.96 | 14.27 0.60 -2.69 | 13.90 0.77 0.00 | 15.45 0.78 0.00 | 18.02 0.91 -0.21 | 21.07 0.94 -2.98 | 20.94 1.12 -0.44 | 20.41 1.15 -0.12 | 20.70 1.21 0.00 | 20.63 1.20 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.38 1.33 0.00 | 25.86 1.43 -2.36 | 27.78 1.67 -1.14 | 30.14 1.59 -2.95 | 25.55 1.46 -0.24 | 23.13 1.29 -0.28 | 20.80 1.07 0.00 | 18.09 0.76 0.00 |
| FORT ORANGE____ 23900 | 16.30 0.48 -0.19 | 16.18 0.40 -2.87 | 14.31 0.39 -1.78 | 14.46 0.33 -3.63 | 14.37 0.33 -3.68 | 14.69 0.36 -3.35 | 13.57 0.45 0.00 | 15.10 0.43 0.00 | 17.65 0.49 -0.26 | 21.28 0.43 -3.71 | 20.49 0.56 -0.55 | 19.85 0.56 -0.15 | 20.04 0.55 0.00 | 19.99 0.56 0.00 | 20.17 0.57 0.00 | 20.18 0.55 0.00 | 21.68 0.63 0.00 | 25.72 0.73 -2.93 | 27.20 0.82 -1.41 | 29.89 0.74 -3.55 | 24.86 0.72 -0.29 | 22.53 0.65 -0.34 | 20.17 0.43 0.00 | 17.66 0.33 0.00 |
| FORT_DRUM_COGEN 23780 | 15.98 0.34 -0.02 | 13.47 0.30 -0.26 | 12.54 0.24 -0.16 | 11.03 0.19 -0.33 | 10.89 0.20 -0.34 | 11.55 0.26 -0.31 | 13.48 0.35 0.00 | 14.95 0.28 0.00 | 17.25 0.32 -0.02 | 17.83 0.34 -0.34 | 19.75 0.33 -0.05 | 19.43 0.27 -0.01 | 19.69 0.19 0.00 | 19.66 0.23 0.00 | 19.83 0.24 0.00 | 19.87 0.24 0.00 | 21.33 0.27 0.00 | 22.91 0.57 -0.27 | 25.92 0.82 -0.13 | 26.78 0.84 -0.34 | 24.62 0.74 -0.03 | 22.12 0.54 -0.03 | 20.19 0.45 0.00 | 17.78 0.45 0.00 |
| FPL_FAR_ROCK_GT1 24212 | 17.12 1.34 -0.15 | 16.23 1.02 -2.30 | 14.48 0.92 -1.43 | 14.20 0.79 -2.91 | 14.06 0.76 -2.95 | 14.43 0.77 -2.68 | 14.18 1.06 0.00 | 15.71 1.04 0.00 | 18.41 1.30 -0.20 | 21.49 1.37 -2.97 | 21.65 1.82 -0.46 | 21.14 1.86 -0.14 | 22.22 1.93 -0.80 | 23.88 1.92 -2.53 | 24.30 1.94 -2.76 | 25.28 1.93 -3.72 | 27.74 2.08 -4.61 | 29.60 2.23 -5.30 | 30.04 2.23 -2.58 | 32.26 2.48 -4.18 | 26.95 2.29 -0.80 | 24.49 2.09 -0.85 | 21.41 1.68 0.00 | 18.41 1.07 0.00 |
| FPL_FAR_ROCK_GT2 23815 | 17.12 1.34 -0.15 | 16.23 1.02 -2.30 | 14.48 0.92 -1.43 | 14.20 0.79 -2.91 | 14.06 0.76 -2.95 | 14.43 0.77 -2.68 | 14.18 1.06 0.00 | 15.71 1.04 0.00 | 18.41 1.30 -0.20 | 21.49 1.37 -2.97 | 21.65 1.82 -0.46 | 21.14 1.86 -0.14 | 22.22 1.93 -0.80 | 23.88 1.92 -2.53 | 24.30 1.94 -2.76 | 25.28 1.93 -3.72 | 27.74 2.08 -4.61 | 29.60 2.23 -5.30 | 30.04 2.23 -2.58 | 32.26 2.48 -4.18 | 26.95 2.29 -0.80 | 24.49 2.09 -0.85 | 21.41 1.68 0.00 | 18.41 1.07 0.00 |
| FRANKLIN_FALL_HYD 24054 | 15.69 0.06 0.00 | 12.97 0.00 -0.07 | 12.25 0.07 -0.04 | 10.76 0.17 -0.08 | 10.51 0.07 -0.08 | 11.15 0.10 -0.08 | 13.17 0.05 0.00 | 14.89 0.22 0.00 | 17.20 0.29 -0.01 | 17.51 0.27 -0.08 | 19.69 0.31 -0.01 | 19.38 0.23 0.00 | 19.61 0.12 0.00 | 19.50 0.08 0.00 | 19.60 0.00 0.00 | 19.67 0.04 0.00 | 21.20 0.15 0.00 | 22.24 0.11 -0.07 | 25.00 0.00 -0.03 | 25.71 0.03 -0.08 | 23.94 0.07 -0.01 | 21.67 0.11 -0.01 | 19.91 0.18 0.00 | 17.38 0.05 0.00 |
| FREEPORT_EQUS_GT1 23764 | 17.04 1.26 -0.15 | 16.15 0.94 -2.30 | 14.41 0.85 -1.43 | 14.15 0.74 -2.91 | 14.01 0.70 -2.95 | 14.37 0.71 -2.68 | 14.12 1.00 0.00 | 15.64 0.97 0.00 | 18.33 1.22 -0.20 | 21.40 1.29 -2.97 | 21.54 1.71 -0.46 | 21.02 1.74 -0.14 | 22.11 1.81 -0.80 | 23.76 1.81 -2.53 | 24.18 1.82 -2.76 | 25.16 1.81 -3.72 | 27.62 1.96 -4.61 | 29.49 2.12 -5.30 | 29.92 2.37 -2.58 | 32.13 2.35 -4.18 | 26.81 2.15 -0.80 | 24.37 1.96 -0.85 | 21.29 1.56 0.00 | 18.30 0.97 0.00 |
| FREEPORT___CT2 23818 | 17.04 1.26 -0.15 | 16.15 0.94 -2.30 | 14.41 0.85 -1.43 | 14.15 0.74 -2.91 | 14.01 0.70 -2.95 | 14.37 0.71 -2.68 | 14.12 1.00 0.00 | 15.64 0.97 0.00 | 18.33 1.22 -0.20 | 21.40 1.29 -2.97 | 21.54 1.71 -0.46 | 21.02 1.74 -0.14 | 22.11 1.81 -0.80 | 23.76 1.81 -2.53 | 24.18 1.82 -2.76 | 25.16 1.81 -3.72 | 27.62 1.96 -4.61 | 29.49 2.12 -5.30 | 29.92 2.37 -2.58 | 32.13 2.35 -4.18 | 26.81 2.15 -0.80 | 24.37 1.96 -0.85 | 21.29 1.56 0.00 | 18.30 0.97 0.00 |

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| FRESHKLS_33_KV_LOAD 356253 | 16.81 1.03 -0.16 | 16.00 0.79 -2.31 | 14.27 0.70 -1.44 | 14.03 0.61 -2.91 | 13.93 0.61 -2.96 | 14.26 0.60 -2.68 | 13.91 0.79 0.00 | 15.46 0.79 0.00 | 17.99 0.88 -0.20 | 21.13 1.01 -2.97 | 21.02 1.20 -0.44 | 20.60 1.34 -0.12 | 20.93 1.44 0.01 | 20.87 1.46 0.01 | 21.04 1.45 0.01 | 21.04 1.41 0.01 | 22.62 1.58 0.01 | 26.10 1.70 -2.34 | 27.94 1.85 -1.12 | 30.36 1.82 -2.94 | 25.77 1.67 -0.24 | 23.29 1.47 -0.27 | 21.01 1.28 0.01 | 18.15 0.83 0.01 |
| FULTON COGEN____ 23766 | 15.89 0.25 -0.02 | 13.47 0.23 -0.33 | 12.53 0.19 -0.20 | 11.06 0.14 -0.42 | 10.95 0.18 -0.42 | 11.56 0.20 -0.38 | 13.40 0.28 0.00 | 14.83 0.16 0.00 | 17.12 0.19 -0.03 | 17.76 0.19 -0.42 | 19.65 0.21 -0.06 | 19.39 0.23 -0.02 | 19.75 0.25 0.00 | 19.70 0.27 0.00 | 19.89 0.29 0.00 | 19.95 0.31 0.00 | 21.28 0.23 0.00 | 22.86 0.46 -0.34 | 25.73 0.60 -0.16 | 26.56 0.54 -0.42 | 24.34 0.45 -0.03 | 21.94 0.34 -0.04 | 19.99 0.26 0.00 | 17.66 0.33 0.00 |
| FULTON____LFGE 323630 | 17.40 1.58 -0.20 | 17.20 1.30 -2.99 | 15.22 1.23 -1.86 | 15.35 1.06 -3.78 | 15.25 1.06 -3.84 | 15.74 1.27 -3.49 | 14.68 1.56 0.00 | 16.25 1.58 0.00 | 19.03 1.86 -0.27 | 22.86 1.85 -3.86 | 22.06 2.11 -0.58 | 21.56 2.26 -0.16 | 21.77 2.28 0.00 | 21.74 2.31 0.00 | 22.05 2.45 0.00 | 22.09 2.45 0.00 | 23.83 2.78 0.00 | 28.34 3.22 -3.06 | 30.03 3.60 -1.47 | 32.70 3.41 -3.70 | 27.45 3.29 -0.30 | 24.64 2.74 -0.35 | 22.00 2.27 0.00 | 19.12 1.79 0.00 |
| G.F.CEMENT____DRP 24184 | 16.97 1.16 -0.20 | 16.83 0.96 -2.97 | 14.88 0.90 -1.84 | 15.01 0.76 -3.75 | 14.93 0.77 -3.81 | 15.32 0.89 -3.46 | 14.14 1.02 0.00 | 15.77 1.10 0.00 | 18.50 1.34 -0.26 | 22.38 1.41 -3.83 | 21.63 1.69 -0.57 | 20.94 1.65 -0.15 | 20.99 1.50 0.00 | 20.92 1.50 0.00 | 21.09 1.49 0.00 | 21.03 1.39 0.00 | 22.82 1.77 0.00 | 27.10 2.01 -3.03 | 28.82 2.40 -1.46 | 31.70 2.30 -3.80 | 26.36 2.19 -0.31 | 23.77 1.85 -0.36 | 21.27 1.54 0.00 | 18.53 1.20 0.00 |
| GARDENVILLE____LBMP 24039 | 15.59 -0.06 -0.03 | 13.39 0.00 -0.49 | 12.42 -0.01 -0.30 | 11.02 -0.09 -0.61 | 10.96 -0.02 -0.62 | 11.54 0.00 -0.57 | 13.16 0.04 0.00 | 14.32 -0.35 0.00 | 16.37 -0.57 -0.04 | 17.18 -0.60 -0.63 | 18.63 -0.83 -0.09 | 18.46 -0.71 -0.03 | 19.00 -0.49 0.00 | 19.06 -0.37 0.00 | 19.34 -0.25 0.00 | 19.44 -0.20 0.00 | 20.63 -0.42 0.00 | 22.27 -0.29 -0.50 | 24.88 -0.32 -0.24 | 25.56 -0.67 -0.62 | 23.38 -0.52 -0.05 | 21.03 -0.58 -0.06 | 19.42 -0.32 0.00 | 17.66 0.33 0.00 |
| GARDNVLA_35_KV_LD 355827 | 15.65 0.00 -0.03 | 13.43 0.04 -0.49 | 12.46 0.02 -0.30 | 11.06 -0.06 -0.61 | 10.99 0.01 -0.62 | 11.58 0.03 -0.57 | 13.21 0.09 0.00 | 14.38 -0.29 0.00 | 16.44 -0.51 -0.04 | 17.23 -0.55 -0.63 | 18.71 -0.76 -0.09 | 18.54 -0.63 -0.03 | 19.10 -0.39 0.00 | 19.15 -0.27 0.00 | 19.44 -0.16 0.00 | 19.52 -0.12 0.00 | 20.74 -0.32 0.00 | 22.36 -0.20 -0.50 | 24.98 -0.22 -0.24 | 25.66 -0.56 -0.62 | 23.48 -0.43 -0.05 | 21.12 -0.50 -0.06 | 19.52 -0.22 0.00 | 17.73 0.40 0.00 |
| GELCKHM__115KV_LOAD 80723 | 15.64 0.00 -0.02 | 13.27 0.03 -0.34 | 12.35 0.00 -0.21 | 10.92 -0.02 -0.43 | 10.81 0.01 -0.44 | 11.40 0.02 -0.40 | 13.16 0.04 0.00 | 14.60 -0.07 0.00 | 16.83 -0.10 -0.03 | 17.49 -0.10 -0.44 | 19.30 -0.14 -0.07 | 19.05 -0.11 -0.02 | 19.41 -0.08 0.00 | 19.35 -0.08 0.00 | 19.56 -0.04 0.00 | 19.62 -0.02 0.00 | 20.95 -0.11 0.00 | 22.46 0.04 -0.35 | 25.23 0.10 -0.17 | 26.04 0.00 -0.44 | 23.87 -0.02 -0.04 | 21.53 -0.06 -0.04 | 19.66 -0.08 0.00 | 17.35 0.02 0.00 |
| GENERAL____MILLS 23808 | 15.62 -0.03 -0.03 | 13.41 0.01 -0.49 | 12.44 0.00 -0.30 | 11.04 -0.08 -0.61 | 10.97 -0.01 -0.62 | 11.56 0.01 -0.57 | 13.19 0.07 0.00 | 14.35 -0.32 0.00 | 16.41 -0.54 -0.04 | 17.19 -0.58 -0.63 | 18.67 -0.79 -0.09 | 18.50 -0.67 -0.03 | 19.06 -0.43 0.00 | 19.09 -0.33 0.00 | 19.40 -0.20 0.00 | 19.48 -0.16 0.00 | 20.69 -0.36 0.00 | 22.32 -0.24 -0.50 | 24.91 -0.30 -0.24 | 25.61 -0.61 -0.62 | 23.43 -0.48 -0.05 | 21.07 -0.54 -0.06 | 19.48 -0.26 0.00 | 17.69 0.36 0.00 |
| GE_PLASTICS____DRP 24183 | 16.29 0.48 -0.19 | 16.18 0.40 -2.88 | 14.31 0.39 -1.79 | 14.47 0.33 -3.64 | 14.38 0.33 -3.69 | 14.68 0.35 -3.35 | 13.55 0.43 0.00 | 15.08 0.41 0.00 | 17.63 0.47 -0.26 | 21.31 0.45 -3.71 | 20.47 0.54 -0.55 | 19.85 0.56 -0.15 | 20.06 0.57 0.00 | 19.99 0.56 0.00 | 20.17 0.57 0.00 | 20.20 0.57 0.00 | 21.68 0.63 0.00 | 25.71 0.71 -2.94 | 27.21 0.82 -1.42 | 30.03 0.74 -3.68 | 24.85 0.69 -0.30 | 22.53 0.62 -0.35 | 20.21 0.47 0.00 | 17.68 0.35 0.00 |
| GILBOA____1 23756 | 16.32 0.55 -0.15 | 15.63 0.45 -2.27 | 13.96 0.41 -1.41 | 13.73 0.35 -2.87 | 13.63 0.35 -2.92 | 14.00 0.37 -2.65 | 13.58 0.46 0.00 | 15.11 0.44 0.00 | 17.61 0.51 -0.20 | 20.62 0.53 -2.93 | 20.45 0.64 -0.44 | 19.91 0.65 -0.12 | 20.16 0.66 0.00 | 20.09 0.66 0.00 | 20.28 0.69 0.00 | 20.30 0.67 0.00 | 21.79 0.74 0.00 | 25.22 0.84 -2.32 | 27.03 0.95 -1.12 | 29.25 0.87 -2.78 | 24.89 0.81 -0.22 | 22.57 0.75 -0.26 | 20.31 0.57 0.00 | 17.76 0.43 0.00 |
| GILBOA____2 23757 | 16.32 0.55 -0.15 | 15.63 0.45 -2.27 | 13.96 0.41 -1.41 | 13.73 0.35 -2.87 | 13.63 0.35 -2.92 | 14.00 0.37 -2.65 | 13.58 0.46 0.00 | 15.11 0.44 0.00 | 17.61 0.51 -0.20 | 20.62 0.53 -2.93 | 20.45 0.64 -0.44 | 19.91 0.65 -0.12 | 20.16 0.66 0.00 | 20.09 0.66 0.00 | 20.28 0.69 0.00 | 20.30 0.67 0.00 | 21.79 0.74 0.00 | 25.22 0.84 -2.32 | 27.03 0.95 -1.12 | 29.25 0.87 -2.78 | 24.89 0.81 -0.22 | 22.57 0.75 -0.26 | 20.31 0.57 0.00 | 17.76 0.43 0.00 |
| GILBOA____3 23758 | 16.32 0.55 -0.15 | 15.63 0.45 -2.27 | 13.96 0.41 -1.41 | 13.73 0.35 -2.87 | 13.63 0.35 -2.92 | 14.00 0.37 -2.65 | 13.58 0.46 0.00 | 15.11 0.44 0.00 | 17.61 0.51 -0.20 | 20.62 0.53 -2.93 | 20.45 0.64 -0.44 | 19.91 0.65 -0.12 | 20.16 0.66 0.00 | 20.09 0.66 0.00 | 20.28 0.69 0.00 | 20.30 0.67 0.00 | 21.79 0.74 0.00 | 25.22 0.84 -2.32 | 27.03 0.95 -1.12 | 29.25 0.87 -2.78 | 24.89 0.81 -0.22 | 22.57 0.75 -0.26 | 20.31 0.57 0.00 | 17.76 0.43 0.00 |
| GILBOA____4 23759 | 16.32 0.55 -0.15 | 15.63 0.45 -2.27 | 13.96 0.41 -1.41 | 13.73 0.35 -2.87 | 13.63 0.35 -2.92 | 14.00 0.37 -2.65 | 13.58 0.46 0.00 | 15.11 0.44 0.00 | 17.61 0.51 -0.20 | 20.62 0.53 -2.93 | 20.45 0.64 -0.44 | 19.91 0.65 -0.12 | 20.16 0.66 0.00 | 20.09 0.66 0.00 | 20.28 0.69 0.00 | 20.30 0.67 0.00 | 21.79 0.74 0.00 | 25.22 0.84 -2.32 | 27.03 0.95 -1.12 | 29.25 0.87 -2.78 | 24.89 0.81 -0.22 | 22.57 0.75 -0.26 | 20.31 0.57 0.00 | 17.76 0.43 0.00 |
| GILBOA____ 23599 | 16.32 0.55 -0.15 | 15.63 0.45 -2.27 | 13.96 0.41 -1.41 | 13.73 0.35 -2.87 | 13.63 0.35 -2.92 | 14.00 0.37 -2.65 | 13.59 0.47 0.00 | 15.11 0.44 0.00 | 17.61 0.51 -0.20 | 20.61 0.53 -2.93 | 20.43 0.62 -0.44 | 19.89 0.63 -0.12 | 20.15 0.66 0.00 | 20.09 0.66 0.00 | 20.29 0.69 0.00 | 20.30 0.67 0.00 | 21.79 0.74 0.00 | 25.22 0.84 -2.32 | 27.03 0.95 -1.12 | 29.38 0.87 -2.91 | 24.90 0.81 -0.24 | 22.56 0.73 -0.28 | 20.33 0.59 0.00 | 17.76 0.43 0.00 |
| GINNA____ 23603 | 14.96 -0.69 -0.03 | 12.81 -0.49 -0.39 | 11.89 -0.49 -0.24 | 10.55 -0.45 -0.50 | 10.45 -0.41 -0.50 | 11.00 -0.44 -0.46 | 12.57 -0.55 0.00 | 13.83 -0.84 0.00 | 15.98 -0.96 -0.03 | 16.68 -0.98 -0.51 | 18.29 -1.16 -0.08 | 18.02 -1.15 -0.02 | 18.42 -1.07 0.00 | 18.39 -1.03 0.00 | 18.60 -1.00 0.00 | 18.67 -0.96 0.00 | 19.89 -1.16 0.00 | 21.52 -0.95 -0.40 | 24.16 -1.00 -0.19 | 24.75 -1.18 -0.33 | 22.76 -1.12 -0.03 | 20.51 -1.08 -0.03 | 18.79 -0.95 0.00 | 16.71 -0.62 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| GLEN PARK____ 23778 | 16.04 0.41 -0.02 | 13.52 0.35 -0.26 | 12.59 0.29 -0.16 | 11.07 0.23 -0.33 | 10.93 0.24 -0.34 | 11.61 0.32 -0.31 | 13.53 0.41 0.00 | 15.01 0.34 0.00 | 17.32 0.39 -0.02 | 17.90 0.41 -0.34 | 19.83 0.41 -0.05 | 19.50 0.34 -0.01 | 19.76 0.27 0.00 | 19.73 0.31 0.00 | 19.91 0.31 0.00 | 19.95 0.31 0.00 | 21.41 0.36 0.00 | 23.02 0.68 -0.27 | 26.07 0.97 -0.13 | 26.75 0.97 -0.17 | 24.73 0.86 -0.01 | 22.24 0.67 -0.02 | 20.31 0.57 0.00 | 17.87 0.54 0.00 |
| GLENDAL_27_KV_LOAD 356172 | 17.00 1.22 -0.16 | 16.16 0.94 -2.31 | 14.43 0.86 -1.44 | 14.16 0.74 -2.91 | 14.05 0.74 -2.96 | 14.40 0.75 -2.68 | 14.08 0.96 0.00 | 15.64 0.97 0.00 | 18.19 1.08 -0.20 | 21.32 1.20 -2.97 | 21.23 1.41 -0.44 | 20.78 1.51 -0.12 | 21.12 1.62 -0.01 | 21.06 1.63 -0.01 | 21.23 1.63 -0.01 | 21.25 1.61 -0.01 | 22.81 1.75 -0.01 | 26.30 1.88 -2.36 | 28.15 2.05 -1.14 | 30.54 2.00 -2.94 | 25.98 1.88 -0.24 | 23.52 1.68 -0.29 | 21.20 1.46 -0.01 | 18.36 1.02 -0.01 |
| GLENWOOD_IC_1_G5 23712 | 16.94 1.17 -0.15 | 16.10 0.89 -2.30 | 14.36 0.80 -1.43 | 14.11 0.69 -2.91 | 13.98 0.67 -2.95 | 14.35 0.69 -2.68 | 14.11 0.98 0.00 | 15.59 0.92 0.00 | 18.22 1.12 -0.20 | 21.30 1.18 -2.97 | 21.36 1.53 -0.46 | 20.85 1.57 -0.14 | 21.95 1.66 -0.80 | 23.61 1.65 -2.53 | 24.03 1.67 -2.76 | 25.01 1.65 -3.72 | 27.45 1.79 -4.61 | 29.29 1.92 -5.30 | 29.59 2.05 -2.58 | 31.90 2.00 -4.30 | 26.62 1.96 -0.81 | 24.16 1.75 -0.86 | 21.16 1.42 0.00 | 18.27 0.94 0.00 |
| GLENWOOD_IC_2_G1 23688 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.06 0.65 -2.91 | 13.95 0.64 -2.95 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.55 0.88 0.00 | 18.16 1.05 -0.20 | 21.23 1.11 -2.97 | 21.24 1.41 -0.46 | 20.73 1.45 -0.14 | 21.82 1.52 -0.80 | 23.47 1.52 -2.53 | 23.89 1.53 -2.76 | 24.87 1.51 -3.72 | 27.30 1.64 -4.61 | 29.15 1.79 -5.30 | 29.52 1.97 -2.58 | 31.68 1.89 -4.18 | 26.45 1.79 -0.80 | 24.04 1.64 -0.85 | 21.02 1.28 0.00 | 18.20 0.87 0.00 |
| GLENWOOD_IC_3_G1 23689 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.06 0.65 -2.91 | 13.95 0.64 -2.95 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.55 0.88 0.00 | 18.16 1.05 -0.20 | 21.23 1.11 -2.97 | 21.24 1.41 -0.46 | 20.73 1.45 -0.14 | 21.82 1.52 -0.80 | 23.47 1.52 -2.53 | 23.89 1.53 -2.76 | 24.87 1.51 -3.72 | 27.30 1.64 -4.61 | 29.15 1.79 -5.30 | 29.52 1.97 -2.58 | 31.68 1.89 -4.18 | 26.45 1.79 -0.80 | 24.04 1.64 -0.85 | 21.02 1.28 0.00 | 18.20 0.87 0.00 |
| GLENWOOD____4 23550 | 16.94 1.17 -0.15 | 16.10 0.89 -2.30 | 14.36 0.80 -1.43 | 14.11 0.69 -2.91 | 13.98 0.67 -2.95 | 14.35 0.69 -2.68 | 14.11 0.98 0.00 | 15.59 0.92 0.00 | 18.22 1.12 -0.20 | 21.30 1.18 -2.97 | 21.36 1.53 -0.46 | 20.85 1.57 -0.14 | 21.95 1.66 -0.80 | 23.61 1.65 -2.53 | 24.03 1.67 -2.76 | 25.01 1.65 -3.72 | 27.45 1.79 -4.61 | 29.29 1.92 -5.30 | 29.64 2.10 -2.58 | 31.92 2.02 -4.30 | 26.62 1.96 -0.81 | 24.16 1.75 -0.86 | 21.16 1.42 0.00 | 18.27 0.94 0.00 |
| GLENWOOD____5 23614 | 16.94 1.17 -0.15 | 16.10 0.89 -2.30 | 14.36 0.80 -1.43 | 14.11 0.69 -2.91 | 13.98 0.67 -2.95 | 14.35 0.69 -2.68 | 14.11 0.98 0.00 | 15.59 0.92 0.00 | 18.22 1.12 -0.20 | 21.30 1.18 -2.97 | 21.36 1.53 -0.46 | 20.85 1.57 -0.14 | 21.95 1.66 -0.80 | 23.61 1.65 -2.53 | 24.03 1.67 -2.76 | 25.01 1.65 -3.72 | 27.45 1.79 -4.61 | 29.29 1.92 -5.30 | 29.64 2.10 -2.58 | 31.92 2.02 -4.30 | 26.62 1.96 -0.81 | 24.16 1.75 -0.86 | 21.16 1.42 0.00 | 18.27 0.94 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 17.77 2.00 -0.15 | 16.73 1.52 -2.30 | 14.96 1.40 -1.43 | 14.62 1.21 -2.91 | 14.46 1.15 -2.95 | 14.85 1.20 -2.68 | 14.77 1.65 0.00 | 16.30 1.63 0.00 | 19.15 2.04 -0.20 | 22.22 2.11 -2.97 | 22.62 2.79 -0.46 | 22.09 2.82 -0.14 | 23.24 2.94 -0.80 | 24.91 2.95 -2.53 | 25.34 2.98 -2.76 | 26.40 3.04 -3.72 | 28.96 3.31 -4.61 | 30.88 3.51 -5.30 | 31.51 3.97 -2.58 | 33.77 3.99 -4.18 | 28.21 3.56 -0.80 | 25.55 3.15 -0.85 | 22.26 2.53 0.00 | 19.01 1.68 0.00 |
| GLOBE____DSASP 323697 | 15.31 -0.34 -0.03 | 13.33 -0.04 -0.46 | 12.37 -0.05 -0.29 | 10.96 -0.13 -0.58 | 10.89 -0.06 -0.59 | 11.47 -0.04 -0.54 | 12.82 -0.30 0.00 | 13.91 -0.76 0.00 | 16.00 -0.95 -0.04 | 16.76 -0.98 -0.59 | 18.22 -1.24 -0.09 | 17.92 -1.24 -0.02 | 18.46 -1.03 0.00 | 18.49 -0.93 0.00 | 18.78 -0.82 0.00 | 18.85 -0.79 0.00 | 20.00 -1.05 0.00 | 21.72 -0.82 -0.47 | 24.24 -0.95 -0.23 | 24.89 -1.31 -0.59 | 22.81 -1.10 -0.05 | 20.51 -1.10 -0.06 | 18.85 -0.89 0.00 | 17.28 -0.05 0.00 |
| GOETHSLN____LBMP 323567 | 16.82 1.05 -0.15 | 16.01 0.80 -2.30 | 14.29 0.73 -1.43 | 14.04 0.63 -2.91 | 13.94 0.63 -2.95 | 14.29 0.64 -2.68 | 13.97 0.85 0.00 | 15.55 0.88 0.00 | 18.07 0.96 -0.20 | 21.14 1.03 -2.97 | 21.03 1.22 -0.44 | 20.56 1.30 -0.12 | 20.88 1.38 0.00 | 20.82 1.40 0.00 | 20.99 1.39 0.00 | 21.01 1.37 0.00 | 22.55 1.49 0.00 | 26.00 1.59 -2.35 | 27.80 1.70 -1.13 | 30.18 1.64 -2.94 | 25.69 1.60 -0.24 | 23.25 1.42 -0.28 | 20.96 1.22 0.00 | 18.16 0.83 0.00 |
| GOLAH____69_KV_TB 1_2 80279 | 15.74 0.09 -0.03 | 13.50 0.19 -0.40 | 12.56 0.17 -0.25 | 11.10 0.08 -0.51 | 11.00 0.12 -0.52 | 11.59 0.14 -0.47 | 13.25 0.13 0.00 | 14.49 0.13 0.00 | 16.72 -0.22 -0.04 | 17.43 -0.24 -0.52 | 19.14 -0.31 -0.08 | 18.78 -0.38 -0.02 | 19.26 -0.23 0.00 | 19.19 -0.23 0.00 | 19.42 -0.18 0.00 | 19.52 -0.12 0.00 | 20.80 -0.25 0.00 | 22.52 0.04 -0.41 | 25.22 0.05 -0.20 | 25.99 -0.13 -0.52 | 23.83 -0.07 -0.04 | 21.41 -0.19 -0.05 | 19.60 -0.14 0.00 | 17.64 0.31 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 16.39 0.69 -0.08 | 14.66 0.56 -1.20 | 13.38 0.50 -0.74 | 12.44 0.42 -1.52 | 12.31 0.41 -1.54 | 12.85 0.47 -1.40 | 13.73 0.60 0.00 | 15.24 0.57 0.00 | 17.67 0.66 -0.11 | 19.40 0.70 -1.55 | 20.40 0.79 -0.23 | 20.01 0.80 -0.06 | 20.33 0.84 0.00 | 20.24 0.82 0.00 | 20.44 0.84 0.00 | 20.46 0.82 0.00 | 21.94 0.88 0.00 | 24.33 1.04 -1.22 | 26.78 1.22 -0.59 | 28.29 1.15 -1.53 | 25.06 1.07 -0.12 | 22.60 0.91 -0.15 | 20.51 0.77 0.00 | 17.99 0.66 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 15.91 0.23 -0.05 | 13.93 0.19 -0.83 | 12.81 0.16 -0.51 | 11.66 0.11 -1.05 | 11.56 0.15 -1.06 | 12.10 0.15 -0.96 | 13.37 0.25 0.00 | 14.79 0.12 0.00 | 17.05 0.07 -0.07 | 18.27 0.05 -1.07 | 19.55 0.02 -0.16 | 19.28 0.10 -0.04 | 19.67 0.18 0.00 | 19.62 0.19 0.00 | 19.85 0.25 0.00 | 19.91 0.27 0.00 | 21.26 0.21 0.00 | 23.24 0.33 -0.84 | 25.77 0.40 -0.41 | 26.94 0.28 -1.06 | 24.21 0.26 -0.09 | 21.85 0.19 -0.10 | 19.95 0.22 0.00 | 17.64 0.31 0.00 |
| GOUDEY____7 23579 | 15.93 0.25 -0.05 | 13.93 0.19 -0.83 | 12.82 0.17 -0.51 | 11.67 0.12 -1.05 | 11.56 0.15 -1.06 | 12.11 0.16 -0.96 | 13.37 0.25 0.00 | 14.80 0.13 0.00 | 17.06 0.08 -0.07 | 18.28 0.07 -1.07 | 19.57 0.04 -0.16 | 19.28 0.10 -0.04 | 19.69 0.19 0.00 | 19.64 0.21 0.00 | 19.87 0.27 0.00 | 19.91 0.27 0.00 | 21.28 0.23 0.00 | 23.26 0.35 -0.84 | 25.80 0.42 -0.41 | 26.97 0.31 -1.06 | 24.23 0.29 -0.09 | 21.87 0.22 -0.10 | 19.97 0.24 0.00 | 17.66 0.33 0.00 |
| GOUDEY____8 23580 | 15.91 0.23 -0.05 | 13.93 0.19 -0.83 | 12.81 0.16 -0.51 | 11.66 0.11 -1.05 | 11.56 0.15 -1.06 | 12.10 0.15 -0.96 | 13.37 0.25 0.00 | 14.79 0.12 0.00 | 17.05 0.07 -0.07 | 18.27 0.05 -1.07 | 19.55 0.02 -0.16 | 19.28 0.10 -0.04 | 19.67 0.18 0.00 | 19.62 0.19 0.00 | 19.85 0.25 0.00 | 19.91 0.27 0.00 | 21.26 0.21 0.00 | 23.24 0.33 -0.84 | 25.77 0.40 -0.41 | 26.94 0.28 -1.06 | 24.21 0.26 -0.09 | 21.85 0.19 -0.10 | 19.95 0.22 0.00 | 17.64 0.31 0.00 |

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|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GOWANUS_GT1_1 24077 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT1_2 24078 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT1_3 24079 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT1_4 24080 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT1_5 24084 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT1_6 24111 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT1_7 24112 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT1_8 24113 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT2_1 24114 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT2_2 24115 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT2_3 24116 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT2_4 24117 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT2_5 24118 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT2_6 24119 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT2_7 24120 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| GOWANUS_GT2_8 24121 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT3_1 24122 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT3_2 24123 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT3_3 24124 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT3_4 24125 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT3_5 24126 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT3_6 24127 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT3_7 24128 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT3_8 24129 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT4_1 24130 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT4_2 24131 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT4_3 24132 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT4_4 24133 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT4_5 24134 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT4_6 24135 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| GOWANUS_GT4_7 24136 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GOWANUS_GT4_8 24137 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GREENBSH_115KV_TB3 55895 | 16.22 0.41 -0.19 | 16.14 0.35 -2.89 | 14.27 0.34 -1.79 | 14.44 0.28 -3.65 | 14.35 0.29 -3.70 | 14.66 0.32 -3.36 | 13.50 0.38 0.00 | 15.04 0.37 0.00 | 17.58 0.42 -0.26 | 21.25 0.38 -3.73 | 20.39 0.46 -0.56 | 19.77 0.48 -0.15 | 19.98 0.49 0.00 | 19.91 0.49 0.00 | 20.09 0.49 0.00 | 20.11 0.47 0.00 | 21.58 0.53 0.00 | 25.63 0.62 -2.95 | 27.09 0.70 -1.42 | 29.91 0.61 -3.69 | 24.75 0.60 -0.30 | 22.42 0.52 -0.35 | 20.11 0.37 0.00 | 17.59 0.26 0.00 |
| GREENDGE_115KV_TB5 80291 | 15.86 0.20 -0.04 | 13.65 0.18 -0.56 | 12.63 0.15 -0.35 | 11.30 0.08 -0.71 | 11.21 0.13 -0.72 | 11.79 0.15 -0.65 | 13.37 0.25 0.00 | 14.74 0.07 0.00 | 16.97 0.02 -0.05 | 17.86 -0.02 -0.72 | 19.42 -0.06 -0.11 | 19.17 0.00 -0.03 | 19.57 0.08 0.00 | 19.56 0.14 0.00 | 19.81 0.22 0.00 | 19.89 0.26 0.00 | 21.18 0.13 0.00 | 23.01 0.38 -0.57 | 25.74 0.50 -0.28 | 26.71 0.38 -0.72 | 24.25 0.33 -0.06 | 21.84 0.22 -0.07 | 19.93 0.20 0.00 | 17.75 0.42 0.00 |
| GREENIDGE___3 23582 | 15.86 0.20 -0.04 | 13.65 0.18 -0.56 | 12.63 0.15 -0.35 | 11.30 0.08 -0.71 | 11.21 0.13 -0.72 | 11.79 0.15 -0.65 | 13.37 0.25 0.00 | 14.74 0.07 0.00 | 16.97 0.02 -0.05 | 17.86 -0.02 -0.72 | 19.42 -0.06 -0.11 | 19.17 0.00 -0.03 | 19.57 0.08 0.00 | 19.56 0.14 0.00 | 19.81 0.22 0.00 | 19.89 0.26 0.00 | 21.18 0.13 0.00 | 23.01 0.38 -0.57 | 25.74 0.50 -0.28 | 26.71 0.38 -0.72 | 24.25 0.33 -0.06 | 21.84 0.22 -0.07 | 19.93 0.20 0.00 | 17.75 0.42 0.00 |
| GREENIDGE___4 23583 | 15.86 0.20 -0.04 | 13.65 0.18 -0.56 | 12.63 0.15 -0.35 | 11.30 0.08 -0.71 | 11.21 0.13 -0.72 | 11.79 0.15 -0.65 | 13.36 0.24 0.00 | 14.74 0.07 0.00 | 16.95 0.00 -0.05 | 17.86 -0.02 -0.72 | 19.46 -0.02 -0.11 | 19.19 0.02 -0.03 | 19.59 0.10 0.00 | 19.56 0.14 0.00 | 19.82 0.22 0.00 | 19.89 0.25 0.00 | 21.18 0.13 0.00 | 23.01 0.37 -0.57 | 25.74 0.50 -0.28 | 26.53 0.38 -0.55 | 24.24 0.33 -0.04 | 21.91 0.30 -0.05 | 20.01 0.28 0.00 | 17.75 0.42 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 17.02 1.25 -0.15 | 16.14 0.93 -2.30 | 14.40 0.84 -1.43 | 14.13 0.71 -2.91 | 13.99 0.68 -2.95 | 14.36 0.70 -2.68 | 14.20 1.08 0.00 | 15.62 0.95 0.00 | 18.33 1.22 -0.20 | 21.40 1.29 -2.97 | 21.54 1.70 -0.46 | 21.02 1.74 -0.14 | 22.11 1.81 -0.80 | 23.78 1.83 -2.53 | 24.20 1.84 -2.76 | 25.18 1.83 -3.72 | 27.66 2.00 -4.61 | 29.53 2.16 -5.30 | 29.97 2.42 -2.58 | 32.26 2.36 -4.30 | 26.84 2.17 -0.81 | 24.36 1.94 -0.86 | 21.31 1.58 0.00 | 18.28 0.95 0.00 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |
| GRISSOM___SOLAR 323813 | 17.40 1.58 -0.20 | 17.20 1.30 -2.99 | 15.22 1.23 -1.86 | 15.35 1.06 -3.78 | 15.25 1.06 -3.84 | 15.74 1.27 -3.49 | 14.68 1.56 0.00 | 16.25 1.58 0.00 | 19.03 1.86 -0.27 | 22.86 1.85 -3.86 | 22.06 2.11 -0.58 | 21.56 2.26 -0.16 | 21.77 2.28 0.00 | 21.74 2.31 0.00 | 22.05 2.45 0.00 | 22.09 2.45 0.00 | 23.83 2.78 0.00 | 28.34 3.22 -3.06 | 30.03 3.60 -1.47 | 32.70 3.41 -3.70 | 27.45 3.29 -0.30 | 24.64 2.74 -0.35 | 22.00 2.27 0.00 | 19.12 1.79 0.00 |
| GROVEVILLE___HYD 323602 | 16.77 1.00 -0.15 | 15.99 0.77 -2.31 | 14.27 0.70 -1.43 | 14.03 0.61 -2.92 | 13.92 0.60 -2.96 | 14.27 0.60 -2.69 | 13.90 0.77 0.00 | 15.45 0.78 0.00 | 18.02 0.91 -0.21 | 21.07 0.94 -2.98 | 20.94 1.12 -0.44 | 20.41 1.15 -0.12 | 20.70 1.21 0.00 | 20.63 1.20 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.38 1.33 0.00 | 25.86 1.43 -2.36 | 27.78 1.67 -1.14 | 30.14 1.59 -2.95 | 25.55 1.46 -0.24 | 23.13 1.29 -0.28 | 20.80 1.07 0.00 | 18.09 0.76 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 15.79 0.14 -0.02 | 13.40 0.13 -0.36 | 12.46 0.10 -0.22 | 11.03 0.06 -0.46 | 10.91 0.09 -0.46 | 11.51 0.11 -0.42 | 13.28 0.16 0.00 | 14.73 0.06 0.00 | 16.99 0.05 -0.03 | 17.65 0.03 -0.47 | 19.48 0.04 -0.07 | 19.22 0.06 -0.02 | 19.59 0.10 0.00 | 19.52 0.10 0.00 | 19.74 0.14 0.00 | 19.79 0.16 0.00 | 21.11 0.06 0.00 | 22.68 0.24 -0.37 | 25.47 0.32 -0.18 | 26.32 0.26 -0.46 | 24.11 0.21 -0.04 | 21.75 0.15 -0.04 | 19.83 0.10 0.00 | 17.50 0.17 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 15.72 0.08 -0.02 | 13.37 0.09 -0.38 | 12.43 0.06 -0.23 | 11.01 0.03 -0.48 | 10.90 0.06 -0.48 | 11.50 0.08 -0.44 | 13.24 0.12 0.00 | 14.67 0.00 0.00 | 16.94 0.00 -0.03 | 17.62 -0.02 -0.49 | 19.41 -0.04 -0.07 | 19.14 -0.02 -0.02 | 19.51 0.02 0.00 | 19.46 0.04 0.00 | 19.68 0.08 0.00 | 19.73 0.10 0.00 | 21.05 0.00 0.00 | 22.63 0.18 -0.39 | 25.40 0.25 -0.19 | 26.26 0.18 -0.48 | 24.04 0.14 -0.04 | 21.66 0.06 -0.05 | 19.77 0.04 0.00 | 17.47 0.14 0.00 |
| HAMPSHIRE___PAPER_HYD 323593 | 15.55 -0.08 -0.01 | 12.98 -0.08 -0.15 | 12.17 -0.06 -0.09 | 10.66 -0.03 -0.19 | 10.48 -0.06 -0.19 | 11.11 -0.04 -0.17 | 13.07 -0.05 0.00 | 14.63 -0.04 0.00 | 16.90 -0.02 -0.01 | 17.34 0.00 -0.19 | 19.32 -0.08 -0.03 | 18.92 -0.23 -0.01 | 19.18 -0.31 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.91 -0.31 -0.15 | 24.71 -0.33 -0.07 | 25.34 -0.33 -0.07 | 23.55 -0.31 -0.01 | 21.39 -0.17 -0.01 | 19.68 -0.06 0.00 | 17.24 -0.09 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 15.49 -0.14 -0.01 | 12.99 -0.12 -0.20 | 12.12 -0.13 -0.12 | 10.61 -0.15 -0.25 | 10.46 -0.15 -0.25 | 11.08 -0.13 -0.23 | 12.98 -0.14 0.00 | 14.42 -0.25 0.00 | 16.63 -0.29 -0.02 | 17.14 -0.26 -0.25 | 19.14 -0.27 -0.04 | 18.90 -0.25 -0.01 | 19.28 -0.21 0.00 | 19.21 -0.21 0.00 | 19.40 -0.20 0.00 | 19.46 -0.18 0.00 | 20.86 -0.19 0.00 | 22.18 -0.09 -0.20 | 24.99 -0.07 -0.10 | 25.37 -0.23 0.00 | 23.64 -0.22 0.00 | 21.38 -0.17 0.00 | 19.56 -0.18 0.00 | 17.19 -0.14 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 16.67 0.91 -0.14 | 15.74 0.71 -2.13 | 14.10 0.64 -1.32 | 13.74 0.55 -2.69 | 13.63 0.55 -2.73 | 14.00 0.55 -2.48 | 13.84 0.72 0.00 | 15.39 0.72 0.00 | 17.92 0.83 -0.19 | 20.75 0.86 -2.74 | 20.81 1.03 -0.41 | 20.33 1.07 -0.11 | 20.62 1.13 0.00 | 20.55 1.13 0.00 | 20.74 1.14 0.00 | 20.75 1.12 0.00 | 22.29 1.24 0.00 | 25.60 1.37 -2.17 | 27.56 1.55 -1.05 | 29.78 1.46 -2.72 | 25.44 1.36 -0.22 | 23.02 1.21 -0.26 | 20.72 0.99 0.00 | 18.04 0.71 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| HARSNRAD_115KV_TB1 81005 | 15.48 -0.17 -0.03 | 13.35 -0.01 -0.46 | 12.39 -0.02 -0.28 | 10.99 -0.09 -0.58 | 10.91 -0.03 -0.58 | 11.49 -0.02 -0.53 | 13.10 -0.03 0.00 | 14.19 -0.48 0.00 | 16.29 -0.66 -0.04 | 17.05 -0.69 -0.59 | 18.55 -0.91 -0.09 | 18.27 -0.90 -0.02 | 18.83 -0.66 0.00 | 18.86 -0.56 0.00 | 19.15 -0.45 0.00 | 19.24 -0.39 0.00 | 20.42 -0.63 0.00 | 22.13 -0.40 -0.47 | 24.72 -0.47 -0.22 | 25.39 -0.79 -0.58 | 23.26 -0.64 -0.05 | 20.90 -0.71 -0.06 | 19.22 -0.51 0.00 | 17.54 0.21 0.00 |
| HARZA MOOSE___RIVER 24016 | 15.87 0.23 -0.01 | 13.32 0.19 -0.22 | 12.44 0.17 -0.13 | 10.90 0.13 -0.27 | 10.77 0.13 -0.28 | 11.42 0.19 -0.25 | 13.36 0.24 0.00 | 14.85 0.18 0.00 | 17.14 0.22 -0.02 | 17.65 0.22 -0.28 | 19.65 0.23 -0.04 | 19.33 0.17 -0.01 | 19.65 0.16 0.00 | 19.58 0.16 0.00 | 19.76 0.16 0.00 | 19.79 0.16 0.00 | 21.20 0.15 0.00 | 22.62 0.33 -0.22 | 25.55 0.47 -0.11 | 26.29 0.41 -0.28 | 24.24 0.36 -0.02 | 21.88 0.30 -0.03 | 19.99 0.26 0.00 | 17.59 0.26 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 15.63 -0.02 -0.02 | 13.26 0.01 -0.34 | 12.34 -0.01 -0.21 | 10.91 -0.03 -0.44 | 10.80 0.00 -0.44 | 11.38 0.00 -0.40 | 13.15 0.03 0.00 | 14.57 -0.10 0.00 | 16.82 -0.12 -0.03 | 17.47 -0.12 -0.44 | 19.26 -0.17 -0.07 | 19.01 -0.15 -0.02 | 19.38 -0.12 0.00 | 19.33 -0.10 0.00 | 19.54 -0.06 0.00 | 19.58 -0.06 0.00 | 20.90 -0.15 0.00 | 22.44 0.02 -0.35 | 25.21 0.07 -0.17 | 25.99 -0.05 -0.44 | 23.85 -0.05 -0.04 | 21.49 -0.11 -0.04 | 19.62 -0.12 0.00 | 17.33 0.00 0.00 |
| HELLGATE_13_KV_LD 55870 | 16.97 1.19 -0.16 | 16.13 0.92 -2.31 | 14.42 0.85 -1.44 | 14.14 0.72 -2.91 | 14.04 0.73 -2.96 | 14.39 0.74 -2.68 | 14.05 0.93 0.00 | 15.61 0.94 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.19 1.55 -0.01 | 22.74 1.68 -0.01 | 26.23 1.81 -2.36 | 28.08 1.97 -1.14 | 30.44 1.89 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.34 1.01 -0.01 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 16.97 1.19 -0.16 | 16.13 0.92 -2.31 | 14.42 0.85 -1.44 | 14.14 0.72 -2.91 | 14.04 0.73 -2.96 | 14.39 0.74 -2.68 | 14.05 0.93 0.00 | 15.61 0.94 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.19 1.55 -0.01 | 22.74 1.68 -0.01 | 26.23 1.81 -2.36 | 28.08 1.97 -1.14 | 30.44 1.89 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.34 1.01 -0.01 |
| HEMPSTEAD____ 23647 | 16.91 1.14 -0.15 | 16.06 0.85 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.94 0.63 -2.95 | 14.30 0.65 -2.68 | 14.01 0.89 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.27 1.15 -2.97 | 21.36 1.53 -0.46 | 20.85 1.57 -0.14 | 21.93 1.64 -0.80 | 23.59 1.63 -2.53 | 24.01 1.65 -2.76 | 24.97 1.61 -3.72 | 27.43 1.77 -4.61 | 29.27 1.90 -5.30 | 29.67 2.12 -2.58 | 31.83 2.05 -4.18 | 26.59 1.93 -0.80 | 24.17 1.77 -0.85 | 21.12 1.38 0.00 | 18.16 0.83 0.00 |
| HEWLETT__69_KV_BK3 55828 | 17.05 1.28 -0.15 | 16.16 0.96 -2.30 | 14.42 0.86 -1.43 | 14.16 0.75 -2.91 | 14.02 0.71 -2.95 | 14.38 0.72 -2.68 | 14.21 1.09 0.00 | 15.65 0.98 0.00 | 18.34 1.23 -0.20 | 21.42 1.30 -2.97 | 21.55 1.72 -0.46 | 21.02 1.74 -0.14 | 22.13 1.83 -0.80 | 23.78 1.83 -2.53 | 24.20 1.84 -2.76 | 25.18 1.83 -3.72 | 27.61 1.96 -4.61 | 29.49 2.12 -5.30 | 29.92 2.37 -2.58 | 32.23 2.33 -4.30 | 26.81 2.15 -0.81 | 24.36 1.94 -0.86 | 21.35 1.62 0.00 | 18.35 1.02 0.00 |
| HICKLING___1 23621 | 15.88 0.22 -0.04 | 13.75 0.17 -0.68 | 12.69 0.13 -0.42 | 11.43 0.06 -0.86 | 11.35 0.12 -0.87 | 11.91 0.14 -0.79 | 13.38 0.26 0.00 | 14.73 0.06 0.00 | 16.91 -0.05 -0.06 | 17.94 -0.09 -0.88 | 19.35 -0.15 -0.13 | 19.14 -0.04 -0.04 | 19.59 0.10 0.00 | 19.56 0.14 0.00 | 19.83 0.24 0.00 | 19.91 0.27 0.00 | 21.20 0.15 0.00 | 23.04 0.29 -0.69 | 25.65 0.35 -0.33 | 26.70 0.23 -0.87 | 24.14 0.21 -0.07 | 21.79 0.15 -0.08 | 19.95 0.22 0.00 | 17.80 0.47 0.00 |
| HICKLING___2 23622 | 15.88 0.22 -0.04 | 13.75 0.17 -0.68 | 12.69 0.13 -0.42 | 11.43 0.06 -0.86 | 11.35 0.12 -0.87 | 11.91 0.14 -0.79 | 13.38 0.26 0.00 | 14.73 0.06 0.00 | 16.91 -0.05 -0.06 | 17.94 -0.09 -0.88 | 19.35 -0.15 -0.13 | 19.14 -0.04 -0.04 | 19.59 0.10 0.00 | 19.56 0.14 0.00 | 19.83 0.24 0.00 | 19.91 0.27 0.00 | 21.20 0.15 0.00 | 23.04 0.29 -0.69 | 25.65 0.35 -0.33 | 26.70 0.23 -0.87 | 24.14 0.21 -0.07 | 21.79 0.15 -0.08 | 19.95 0.22 0.00 | 17.80 0.47 0.00 |
| HIGH FALLS___HY 23754 | 16.71 0.94 -0.15 | 15.89 0.71 -2.27 | 14.18 0.63 -1.41 | 13.92 0.55 -2.87 | 13.81 0.54 -2.91 | 14.14 0.52 -2.64 | 13.83 0.71 0.00 | 15.36 0.69 0.00 | 17.92 0.81 -0.20 | 20.92 0.84 -2.93 | 20.78 0.97 -0.44 | 20.30 1.03 -0.12 | 20.58 1.09 0.00 | 20.51 1.09 0.00 | 20.70 1.10 0.00 | 20.72 1.08 0.00 | 22.25 1.20 0.00 | 25.68 1.30 -2.32 | 27.63 1.55 -1.12 | 29.94 1.43 -2.90 | 25.40 1.31 -0.24 | 22.99 1.16 -0.28 | 20.70 0.97 0.00 | 18.02 0.69 0.00 |
| HILLBURN___GT 23639 | 16.70 0.94 -0.14 | 15.81 0.74 -2.16 | 14.15 0.67 -1.34 | 13.81 0.57 -2.74 | 13.70 0.57 -2.78 | 14.08 0.58 -2.52 | 13.86 0.73 0.00 | 15.43 0.76 0.00 | 17.96 0.86 -0.19 | 20.85 0.91 -2.79 | 20.87 1.08 -0.42 | 20.39 1.13 -0.11 | 20.68 1.19 0.00 | 20.61 1.19 0.00 | 20.81 1.22 0.00 | 20.83 1.20 0.00 | 22.38 1.33 0.00 | 25.73 1.46 -2.21 | 27.65 1.62 -1.06 | 29.79 1.54 -2.65 | 25.50 1.43 -0.21 | 23.10 1.29 -0.25 | 20.76 1.03 0.00 | 18.08 0.74 0.00 |
| HILLSIDE_115KV_TB1 80332 | 15.73 0.06 -0.05 | 13.63 0.03 -0.70 | 12.58 0.01 -0.43 | 11.35 -0.04 -0.88 | 11.26 0.01 -0.90 | 11.81 0.02 -0.81 | 13.24 0.12 0.00 | 14.58 -0.09 0.00 | 16.75 -0.22 -0.06 | 17.79 -0.26 -0.90 | 19.14 -0.37 -0.13 | 18.93 -0.25 -0.04 | 19.38 -0.12 0.00 | 19.35 -0.08 0.00 | 19.62 0.02 0.00 | 19.69 0.06 0.00 | 20.99 -0.06 0.00 | 22.82 0.04 -0.71 | 25.36 0.05 -0.34 | 26.39 -0.10 -0.89 | 23.83 -0.10 -0.07 | 21.53 -0.11 -0.08 | 19.74 0.00 0.00 | 17.56 0.23 0.00 |
| HISHELDN_WT_PWR 323625 | 15.53 -0.13 -0.03 | 13.37 -0.05 -0.52 | 12.40 -0.06 -0.32 | 11.03 -0.13 -0.65 | 10.97 -0.05 -0.66 | 11.55 -0.03 -0.60 | 13.10 -0.03 0.00 | 14.30 -0.37 0.00 | 16.39 -0.56 -0.05 | 17.23 -0.58 -0.67 | 18.77 -0.70 -0.10 | 18.54 -0.63 -0.03 | 19.04 -0.45 0.00 | 19.08 -0.35 0.00 | 19.36 -0.23 0.00 | 19.44 -0.20 0.00 | 20.65 -0.40 0.00 | 22.33 -0.26 -0.53 | 24.95 -0.27 -0.25 | 25.53 -0.56 -0.49 | 23.49 -0.41 -0.04 | 21.32 -0.28 -0.05 | 19.62 -0.12 0.00 | 17.62 0.29 0.00 |
| HOLTSVILLE_IC_1 23690 | 17.16 1.39 -0.15 | 16.24 1.03 -2.30 | 14.51 0.95 -1.43 | 14.22 0.81 -2.91 | 14.07 0.77 -2.95 | 14.44 0.78 -2.68 | 14.24 1.11 0.00 | 15.74 1.07 0.00 | 18.44 1.34 -0.20 | 21.52 1.41 -2.97 | 21.71 1.88 -0.46 | 21.17 1.90 -0.14 | 22.28 1.99 -0.80 | 23.96 2.00 -2.53 | 24.40 2.04 -2.76 | 25.40 2.04 -3.72 | 27.91 2.25 -4.61 | 29.79 2.43 -5.30 | 30.29 2.75 -2.58 | 32.52 2.74 -4.18 | 27.12 2.46 -0.80 | 24.60 2.20 -0.85 | 21.47 1.74 0.00 | 18.37 1.04 0.00 |
| HOLTSVILLE_IC_10 23699 | 17.24 1.47 -0.15 | 16.30 1.10 -2.30 | 14.57 1.01 -1.43 | 14.27 0.86 -2.91 | 14.13 0.82 -2.95 | 14.49 0.83 -2.68 | 14.30 1.18 0.00 | 15.81 1.14 0.00 | 18.54 1.44 -0.20 | 21.61 1.49 -2.97 | 21.83 2.00 -0.46 | 21.31 2.03 -0.14 | 22.42 2.12 -0.80 | 24.09 2.14 -2.53 | 24.54 2.18 -2.76 | 25.55 2.20 -3.72 | 28.08 2.42 -4.61 | 29.97 2.60 -5.30 | 30.49 2.94 -2.58 | 32.72 2.94 -4.18 | 27.31 2.65 -0.80 | 24.75 2.35 -0.85 | 21.59 1.85 0.00 | 18.47 1.14 0.00 |

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| HOLTSVILLE_IC_2 23691 | 17.16 1.39 -0.15 | 16.24 1.03 -2.30 | 14.51 0.95 -1.43 | 14.22 0.81 -2.91 | 14.07 0.77 -2.95 | 14.44 0.78 -2.68 | 14.24 1.11 0.00 | 15.74 1.07 0.00 | 18.44 1.34 -0.20 | 21.52 1.41 -2.97 | 21.71 1.88 -0.46 | 21.17 1.90 -0.14 | 22.28 1.99 -0.80 | 23.96 2.00 -2.53 | 24.40 2.04 -2.76 | 25.40 2.04 -3.72 | 27.91 2.25 -4.61 | 29.79 2.43 -5.30 | 30.29 2.75 -2.58 | 32.52 2.74 -4.18 | 27.12 2.46 -0.80 | 24.60 2.20 -0.85 | 21.47 1.74 0.00 | 18.37 1.04 0.00 |
| HOLTSVILLE_IC_3 23692 | 17.16 1.39 -0.15 | 16.24 1.03 -2.30 | 14.51 0.95 -1.43 | 14.22 0.81 -2.91 | 14.07 0.77 -2.95 | 14.44 0.78 -2.68 | 14.24 1.11 0.00 | 15.74 1.07 0.00 | 18.44 1.34 -0.20 | 21.52 1.41 -2.97 | 21.71 1.88 -0.46 | 21.17 1.90 -0.14 | 22.28 1.99 -0.80 | 23.96 2.00 -2.53 | 24.40 2.04 -2.76 | 25.40 2.04 -3.72 | 27.91 2.25 -4.61 | 29.79 2.43 -5.30 | 30.29 2.75 -2.58 | 32.52 2.74 -4.18 | 27.12 2.46 -0.80 | 24.60 2.20 -0.85 | 21.47 1.74 0.00 | 18.37 1.04 0.00 |
| HOLTSVILLE_IC_4 23693 | 17.16 1.39 -0.15 | 16.24 1.03 -2.30 | 14.51 0.95 -1.43 | 14.22 0.81 -2.91 | 14.07 0.77 -2.95 | 14.44 0.78 -2.68 | 14.24 1.11 0.00 | 15.74 1.07 0.00 | 18.44 1.34 -0.20 | 21.52 1.41 -2.97 | 21.71 1.88 -0.46 | 21.17 1.90 -0.14 | 22.28 1.99 -0.80 | 23.96 2.00 -2.53 | 24.40 2.04 -2.76 | 25.40 2.04 -3.72 | 27.91 2.25 -4.61 | 29.79 2.43 -5.30 | 30.29 2.75 -2.58 | 32.52 2.74 -4.18 | 27.12 2.46 -0.80 | 24.60 2.20 -0.85 | 21.47 1.74 0.00 | 18.37 1.04 0.00 |
| HOLTSVILLE_IC_5 23694 | 17.16 1.39 -0.15 | 16.24 1.03 -2.30 | 14.51 0.95 -1.43 | 14.22 0.81 -2.91 | 14.07 0.77 -2.95 | 14.44 0.78 -2.68 | 14.24 1.11 0.00 | 15.74 1.07 0.00 | 18.44 1.34 -0.20 | 21.52 1.41 -2.97 | 21.71 1.88 -0.46 | 21.17 1.90 -0.14 | 22.28 1.99 -0.80 | 23.96 2.00 -2.53 | 24.40 2.04 -2.76 | 25.40 2.04 -3.72 | 27.91 2.25 -4.61 | 29.79 2.43 -5.30 | 30.29 2.75 -2.58 | 32.52 2.74 -4.18 | 27.12 2.46 -0.80 | 24.60 2.20 -0.85 | 21.47 1.74 0.00 | 18.37 1.04 0.00 |
| HOLTSVILLE_IC_6 23695 | 17.24 1.47 -0.15 | 16.30 1.10 -2.30 | 14.57 1.01 -1.43 | 14.27 0.86 -2.91 | 14.13 0.82 -2.95 | 14.49 0.83 -2.68 | 14.30 1.18 0.00 | 15.81 1.14 0.00 | 18.54 1.44 -0.20 | 21.61 1.49 -2.97 | 21.83 2.00 -0.46 | 21.31 2.03 -0.14 | 22.42 2.12 -0.80 | 24.09 2.14 -2.53 | 24.54 2.18 -2.76 | 25.55 2.20 -3.72 | 28.08 2.42 -4.61 | 29.97 2.60 -5.30 | 30.49 2.94 -2.58 | 32.72 2.94 -4.18 | 27.31 2.65 -0.80 | 24.75 2.35 -0.85 | 21.59 1.85 0.00 | 18.47 1.14 0.00 |
| HOLTSVILLE_IC_7 23696 | 17.24 1.47 -0.15 | 16.30 1.10 -2.30 | 14.57 1.01 -1.43 | 14.27 0.86 -2.91 | 14.13 0.82 -2.95 | 14.49 0.83 -2.68 | 14.30 1.18 0.00 | 15.81 1.14 0.00 | 18.54 1.44 -0.20 | 21.61 1.49 -2.97 | 21.83 2.00 -0.46 | 21.31 2.03 -0.14 | 22.42 2.12 -0.80 | 24.09 2.14 -2.53 | 24.54 2.18 -2.76 | 25.55 2.20 -3.72 | 28.08 2.42 -4.61 | 29.97 2.60 -5.30 | 30.49 2.94 -2.58 | 32.72 2.94 -4.18 | 27.31 2.65 -0.80 | 24.75 2.35 -0.85 | 21.59 1.85 0.00 | 18.47 1.14 0.00 |
| HOLTSVILLE_IC_8 23697 | 17.24 1.47 -0.15 | 16.30 1.10 -2.30 | 14.57 1.01 -1.43 | 14.27 0.86 -2.91 | 14.13 0.82 -2.95 | 14.49 0.83 -2.68 | 14.30 1.18 0.00 | 15.81 1.14 0.00 | 18.54 1.44 -0.20 | 21.61 1.49 -2.97 | 21.83 2.00 -0.46 | 21.31 2.03 -0.14 | 22.42 2.12 -0.80 | 24.09 2.14 -2.53 | 24.54 2.18 -2.76 | 25.55 2.20 -3.72 | 28.08 2.42 -4.61 | 29.97 2.60 -5.30 | 30.49 2.94 -2.58 | 32.72 2.94 -4.18 | 27.31 2.65 -0.80 | 24.75 2.35 -0.85 | 21.59 1.85 0.00 | 18.47 1.14 0.00 |
| HOLTSVILLE_IC_9 23698 | 17.24 1.47 -0.15 | 16.30 1.10 -2.30 | 14.57 1.01 -1.43 | 14.27 0.86 -2.91 | 14.13 0.82 -2.95 | 14.49 0.83 -2.68 | 14.30 1.18 0.00 | 15.81 1.14 0.00 | 18.54 1.44 -0.20 | 21.61 1.49 -2.97 | 21.83 2.00 -0.46 | 21.31 2.03 -0.14 | 22.42 2.12 -0.80 | 24.09 2.14 -2.53 | 24.54 2.18 -2.76 | 25.55 2.20 -3.72 | 28.08 2.42 -4.61 | 29.97 2.60 -5.30 | 30.49 2.94 -2.58 | 32.72 2.94 -4.18 | 27.31 2.65 -0.80 | 24.75 2.35 -0.85 | 21.59 1.85 0.00 | 18.47 1.14 0.00 |
| HOMER_HL_115KV_TB2 355744 | 15.39 -0.27 -0.03 | 13.02 -0.41 -0.53 | 12.06 -0.40 -0.33 | 10.75 -0.42 -0.67 | 10.69 -0.34 -0.68 | 11.25 -0.34 -0.61 | 13.02 -0.10 0.00 | 14.21 -0.45 0.00 | 16.06 -0.90 -0.05 | 16.83 -0.99 -0.68 | 18.16 -1.32 -0.10 | 18.27 -0.90 -0.03 | 18.83 -0.66 0.00 | 18.86 -0.56 0.00 | 19.19 -0.41 0.00 | 19.26 -0.37 0.00 | 20.48 -0.57 0.00 | 21.81 -0.79 -0.54 | 24.33 -0.90 -0.26 | 25.05 -1.23 -0.67 | 22.84 -1.07 -0.05 | 20.62 -0.99 -0.06 | 19.28 -0.45 0.00 | 17.42 0.09 0.00 |
| HOWARD_WT_PWR 323690 | 15.83 0.17 -0.04 | 13.63 0.14 -0.58 | 12.61 0.11 -0.36 | 11.28 0.03 -0.74 | 11.21 0.10 -0.75 | 11.79 0.13 -0.68 | 13.36 0.24 0.00 | 14.67 0.00 0.00 | 16.84 -0.12 -0.05 | 17.75 -0.15 -0.75 | 19.35 -0.13 -0.11 | 19.12 -0.06 -0.03 | 19.59 0.10 0.00 | 19.60 0.17 0.00 | 19.89 0.29 0.00 | 19.97 0.33 0.00 | 21.20 0.15 0.00 | 22.99 0.33 -0.60 | 25.70 0.45 -0.29 | 26.49 0.31 -0.58 | 24.24 0.33 -0.05 | 21.97 0.37 -0.05 | 20.13 0.39 0.00 | 17.95 0.62 0.00 |
| HQ_GEN_CEDARS 23644 | 15.44 -0.19 0.00 | 12.79 -0.18 -0.06 | 12.04 -0.13 -0.04 | 10.51 -0.07 -0.08 | 10.31 -0.12 -0.08 | 10.91 -0.14 -0.07 | 12.91 -0.21 0.00 | 14.55 -0.12 0.00 | 16.79 -0.12 -0.01 | 17.11 -0.12 -0.08 | 19.21 -0.17 -0.01 | 18.92 -0.23 0.00 | 19.18 -0.31 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.69 -0.44 -0.06 | 24.45 -0.55 -0.03 | 25.14 -0.54 -0.08 | 23.39 -0.48 -0.01 | 21.24 -0.32 -0.01 | 19.54 -0.20 0.00 | 17.11 -0.23 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 15.44 -0.19 0.00 | 12.79 -0.18 -0.06 | 12.04 -0.13 -0.04 | 10.51 -0.07 -0.08 | 10.31 -0.12 -0.08 | 10.91 -0.14 -0.07 | 12.93 -0.20 0.00 | 14.55 -0.12 0.00 | 16.81 -0.10 -0.01 | 17.11 -0.12 -0.08 | 19.21 -0.17 -0.01 | 18.90 -0.25 0.00 | 19.18 -0.31 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.69 -0.44 -0.06 | 24.45 -0.55 -0.03 | 25.06 -0.54 0.00 | 23.38 -0.48 0.00 | 21.19 -0.37 0.00 | 19.54 -0.20 0.00 | 17.10 -0.23 0.00 |
| HQ_GEN_IMPORT 323601 | 15.42 -0.20 0.00 | 12.74 -0.17 0.00 | 11.99 -0.15 0.00 | 10.39 -0.12 0.00 | 10.23 -0.12 0.00 | 10.85 -0.13 0.00 | 12.95 -0.17 0.00 | 14.55 -0.12 0.00 | 16.77 -0.14 0.00 | 17.01 -0.14 0.00 | 19.22 -0.16 0.00 | 18.97 -0.17 0.00 | 19.30 -0.19 0.00 | 19.23 -0.19 0.00 | 19.38 -0.22 0.00 | 19.42 -0.22 0.00 | 20.84 -0.21 0.00 | 21.76 -0.31 0.00 | 24.59 -0.37 0.00 | 25.22 -0.38 0.00 | 23.52 -0.33 0.00 | 21.25 -0.30 0.00 | 19.56 -0.18 0.00 | 17.16 -0.17 0.00 |
| HQ_GEN_WHEEL 23651 | 15.42 -0.20 0.00 | 12.74 -0.17 0.00 | 11.99 -0.15 0.00 | 10.39 -0.12 0.00 | 10.23 -0.12 0.00 | 10.85 -0.13 0.00 | 12.95 -0.17 0.00 | 14.55 -0.12 0.00 | 16.77 -0.14 0.00 | 17.01 -0.14 0.00 | 19.22 -0.16 0.00 | 18.97 -0.17 0.00 | 19.30 -0.19 0.00 | 19.23 -0.19 0.00 | 19.38 -0.22 0.00 | 19.42 -0.22 0.00 | 20.84 -0.21 0.00 | 21.76 -0.31 0.00 | 24.59 -0.37 0.00 | 25.22 -0.38 0.00 | 23.52 -0.33 0.00 | 21.25 -0.30 0.00 | 19.56 -0.18 0.00 | 17.16 -0.17 0.00 |
| HUDSON_AVE_GT_3 23810 | 16.88 1.11 -0.15 | 16.06 0.85 -2.30 | 14.35 0.79 -1.43 | 14.08 0.67 -2.91 | 13.98 0.67 -2.95 | 14.34 0.68 -2.68 | 14.03 0.91 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.23 1.11 -2.97 | 21.13 1.32 -0.44 | 20.66 1.40 -0.12 | 20.99 1.50 0.00 | 20.92 1.50 0.00 | 21.09 1.49 0.00 | 21.11 1.47 0.00 | 22.65 1.60 0.00 | 26.13 1.72 -2.35 | 27.97 1.87 -1.13 | 30.34 1.79 -2.94 | 25.81 1.72 -0.24 | 23.36 1.53 -0.28 | 21.06 1.32 0.00 | 18.25 0.92 0.00 |

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| HUDSON AVE_GT_4 23540 | 16.88 1.11 -0.15 | 16.06 0.85 -2.30 | 14.35 0.79 -1.43 | 14.08 0.67 -2.91 | 13.98 0.67 -2.95 | 14.34 0.68 -2.68 | 14.03 0.91 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.23 1.11 -2.97 | 21.13 1.32 -0.44 | 20.66 1.40 -0.12 | 20.99 1.50 0.00 | 20.92 1.50 0.00 | 21.09 1.49 0.00 | 21.11 1.47 0.00 | 22.65 1.60 0.00 | 26.13 1.72 -2.35 | 27.97 1.87 -1.13 | 30.34 1.79 -2.94 | 25.81 1.72 -0.24 | 23.36 1.53 -0.28 | 21.06 1.32 0.00 | 18.25 0.92 0.00 |
| HUDSON AVE_GT_5 23657 | 16.88 1.11 -0.15 | 16.06 0.85 -2.30 | 14.35 0.79 -1.43 | 14.08 0.67 -2.91 | 13.98 0.67 -2.95 | 14.34 0.68 -2.68 | 14.03 0.91 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.23 1.11 -2.97 | 21.13 1.32 -0.44 | 20.66 1.40 -0.12 | 20.99 1.50 0.00 | 20.92 1.50 0.00 | 21.09 1.49 0.00 | 21.11 1.47 0.00 | 22.65 1.60 0.00 | 26.13 1.72 -2.35 | 27.97 1.87 -1.13 | 30.34 1.79 -2.94 | 25.81 1.72 -0.24 | 23.36 1.53 -0.28 | 21.06 1.32 0.00 | 18.25 0.92 0.00 |
| HUDSON_AVE_10 24168 | 16.85 1.08 -0.15 | 16.03 0.83 -2.30 | 14.32 0.75 -1.43 | 14.06 0.65 -2.91 | 13.96 0.65 -2.95 | 14.32 0.66 -2.68 | 14.00 0.88 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.21 1.10 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.93 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.61 1.56 0.00 | 26.07 1.65 -2.35 | 27.90 1.80 -1.13 | 30.26 1.72 -2.94 | 25.77 1.67 -0.24 | 23.30 1.47 -0.28 | 21.04 1.30 0.00 | 18.21 0.88 0.00 |
| HUDSON___115KV_TB 4 355613 | 16.48 0.67 -0.19 | 16.22 0.50 -2.81 | 14.36 0.49 -1.74 | 14.48 0.42 -3.55 | 14.39 0.42 -3.60 | 14.71 0.46 -3.27 | 13.71 0.59 0.00 | 15.27 0.60 0.00 | 17.83 0.68 -0.25 | 21.36 0.58 -3.63 | 20.63 0.72 -0.54 | 20.06 0.77 -0.15 | 20.27 0.78 0.00 | 20.18 0.76 0.00 | 20.38 0.78 0.00 | 20.42 0.79 0.00 | 21.96 0.91 0.00 | 25.90 0.97 -2.87 | 27.50 1.15 -1.38 | 30.25 1.05 -3.59 | 25.13 0.98 -0.29 | 22.76 0.86 -0.34 | 20.43 0.69 0.00 | 17.87 0.54 0.00 |
| HUNTER MOUNT___DRP 323613 | 16.53 0.73 -0.18 | 16.13 0.50 -2.72 | 14.31 0.49 -1.69 | 14.37 0.42 -3.44 | 14.29 0.44 -3.49 | 14.61 0.46 -3.17 | 13.75 0.63 0.00 | 15.30 0.63 0.00 | 17.86 0.71 -0.24 | 21.23 0.57 -3.51 | 20.57 0.68 -0.52 | 20.07 0.78 -0.14 | 20.27 0.78 0.00 | 20.20 0.78 0.00 | 20.38 0.78 0.00 | 20.42 0.79 0.00 | 22.00 0.95 0.00 | 25.79 0.95 -2.78 | 27.48 1.17 -1.34 | 30.14 1.05 -3.48 | 25.12 0.98 -0.28 | 22.74 0.86 -0.33 | 20.45 0.71 0.00 | 17.88 0.55 0.00 |
| HUNTINGTON_RES_REC 323705 | 17.10 1.33 -0.15 | 16.20 0.99 -2.30 | 14.46 0.90 -1.43 | 14.18 0.77 -2.91 | 14.04 0.74 -2.95 | 14.40 0.75 -2.68 | 14.18 1.06 0.00 | 15.70 1.03 0.00 | 18.41 1.30 -0.20 | 21.49 1.37 -2.97 | 21.67 1.84 -0.46 | 21.16 1.88 -0.14 | 22.26 1.97 -0.80 | 23.94 1.98 -2.53 | 24.36 2.00 -2.76 | 25.36 2.00 -3.72 | 27.87 2.21 -4.61 | 29.75 2.38 -5.30 | 30.24 2.70 -2.58 | 32.44 2.66 -4.18 | 27.07 2.41 -0.80 | 24.56 2.15 -0.85 | 21.41 1.68 0.00 | 18.35 1.02 0.00 |
| HUNTLEY___63 23557 | 15.59 -0.06 -0.03 | 13.48 0.10 -0.47 | 12.51 0.08 -0.29 | 11.08 -0.01 -0.59 | 11.01 0.05 -0.60 | 11.60 0.08 -0.54 | 13.13 0.01 0.00 | 14.26 -0.41 0.00 | 16.35 -0.59 -0.04 | 17.15 -0.60 -0.60 | 18.63 -0.83 -0.09 | 18.38 -0.78 -0.02 | 18.93 -0.57 0.00 | 18.98 -0.45 0.00 | 19.27 -0.33 0.00 | 19.34 -0.29 0.00 | 20.55 -0.51 0.00 | 22.25 -0.29 -0.48 | 24.85 -0.35 -0.23 | 25.51 -0.69 -0.60 | 23.36 -0.55 -0.05 | 21.00 -0.60 -0.06 | 19.34 -0.39 0.00 | 17.64 0.31 0.00 |
| HUNTLEY___64 23558 | 15.59 -0.06 -0.03 | 13.48 0.10 -0.47 | 12.51 0.08 -0.29 | 11.08 -0.01 -0.59 | 11.01 0.05 -0.60 | 11.60 0.08 -0.54 | 13.13 0.01 0.00 | 14.26 -0.41 0.00 | 16.35 -0.59 -0.04 | 17.15 -0.60 -0.60 | 18.63 -0.83 -0.09 | 18.38 -0.78 -0.02 | 18.93 -0.57 0.00 | 18.98 -0.45 0.00 | 19.27 -0.33 0.00 | 19.34 -0.29 0.00 | 20.55 -0.51 0.00 | 22.25 -0.29 -0.48 | 24.85 -0.35 -0.23 | 25.51 -0.69 -0.60 | 23.36 -0.55 -0.05 | 21.00 -0.60 -0.06 | 19.34 -0.39 0.00 | 17.64 0.31 0.00 |
| HUNTLEY___65 23559 | 15.59 -0.06 -0.03 | 13.48 0.10 -0.47 | 12.51 0.08 -0.29 | 11.08 -0.01 -0.59 | 11.01 0.05 -0.60 | 11.60 0.08 -0.54 | 13.13 0.01 0.00 | 14.26 -0.41 0.00 | 16.35 -0.59 -0.04 | 17.15 -0.60 -0.60 | 18.63 -0.83 -0.09 | 18.38 -0.78 -0.02 | 18.93 -0.57 0.00 | 18.98 -0.45 0.00 | 19.27 -0.33 0.00 | 19.34 -0.29 0.00 | 20.55 -0.51 0.00 | 22.25 -0.29 -0.48 | 24.85 -0.35 -0.23 | 25.51 -0.69 -0.60 | 23.36 -0.55 -0.05 | 21.00 -0.60 -0.06 | 19.34 -0.39 0.00 | 17.64 0.31 0.00 |
| HUNTLEY___66 23560 | 15.59 -0.06 -0.03 | 13.48 0.10 -0.47 | 12.51 0.08 -0.29 | 11.08 -0.01 -0.59 | 11.01 0.05 -0.60 | 11.60 0.08 -0.54 | 13.13 0.01 0.00 | 14.26 -0.41 0.00 | 16.35 -0.59 -0.04 | 17.15 -0.60 -0.60 | 18.63 -0.83 -0.09 | 18.38 -0.78 -0.02 | 18.93 -0.57 0.00 | 18.98 -0.45 0.00 | 19.27 -0.33 0.00 | 19.34 -0.29 0.00 | 20.55 -0.51 0.00 | 22.25 -0.29 -0.48 | 24.85 -0.35 -0.23 | 25.51 -0.69 -0.60 | 23.36 -0.55 -0.05 | 21.00 -0.60 -0.06 | 19.34 -0.39 0.00 | 17.64 0.31 0.00 |
| HUNTLEY___67 23561 | 15.51 -0.14 -0.03 | 13.37 -0.01 -0.47 | 12.40 -0.02 -0.29 | 11.01 -0.09 -0.60 | 10.93 -0.03 -0.61 | 11.52 -0.01 -0.55 | 13.08 -0.04 0.00 | 14.21 -0.45 0.00 | 16.32 -0.63 -0.04 | 17.09 -0.67 -0.61 | 18.57 -0.89 -0.09 | 18.33 -0.84 -0.02 | 18.89 -0.60 0.00 | 18.92 -0.51 0.00 | 19.21 -0.39 0.00 | 19.28 -0.35 0.00 | 20.48 -0.57 0.00 | 22.17 -0.38 -0.48 | 24.75 -0.45 -0.23 | 25.44 -0.77 -0.60 | 23.26 -0.64 -0.05 | 20.94 -0.67 -0.06 | 19.28 -0.45 0.00 | 17.57 0.24 0.00 |
| HUNTLEY___68 23562 | 15.51 -0.14 -0.03 | 13.37 -0.01 -0.47 | 12.40 -0.02 -0.29 | 11.01 -0.09 -0.60 | 10.93 -0.03 -0.61 | 11.52 -0.01 -0.55 | 13.08 -0.04 0.00 | 14.21 -0.45 0.00 | 16.32 -0.63 -0.04 | 17.09 -0.67 -0.61 | 18.57 -0.89 -0.09 | 18.33 -0.84 -0.02 | 18.89 -0.60 0.00 | 18.92 -0.51 0.00 | 19.21 -0.39 0.00 | 19.28 -0.35 0.00 | 20.48 -0.57 0.00 | 22.17 -0.38 -0.48 | 24.75 -0.45 -0.23 | 25.44 -0.77 -0.60 | 23.26 -0.64 -0.05 | 20.94 -0.67 -0.06 | 19.28 -0.45 0.00 | 17.57 0.24 0.00 |
| HYLAND___LFGE 323620 | 16.28 0.63 -0.03 | 13.97 0.55 -0.51 | 12.94 0.49 -0.32 | 11.51 0.37 -0.64 | 11.44 0.43 -0.65 | 12.03 0.46 -0.59 | 13.73 0.60 0.00 | 15.05 0.38 0.00 | 17.27 0.32 -0.05 | 17.99 0.19 -0.66 | 19.62 0.15 -0.10 | 19.31 0.13 -0.03 | 19.76 0.27 0.00 | 19.78 0.35 0.00 | 20.03 0.43 0.00 | 20.20 0.57 0.00 | 21.54 0.48 0.00 | 23.51 0.93 -0.52 | 26.51 1.30 -0.25 | 27.26 1.18 -0.48 | 24.97 1.07 -0.04 | 22.52 0.93 -0.05 | 20.62 0.89 0.00 | 18.34 1.00 0.00 |
| INDECK___CORINTH 23802 | 16.96 1.14 -0.20 | 16.81 0.93 -2.97 | 14.85 0.87 -1.84 | 15.00 0.74 -3.76 | 14.92 0.76 -3.81 | 15.32 0.88 -3.46 | 14.18 1.06 0.00 | 15.76 1.09 0.00 | 18.49 1.32 -0.26 | 22.37 1.39 -3.83 | 21.61 1.67 -0.57 | 20.92 1.63 -0.15 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.01 1.41 0.00 | 20.95 1.32 0.00 | 22.76 1.70 0.00 | 27.04 1.94 -3.03 | 28.77 2.35 -1.46 | 31.52 2.25 -3.67 | 26.30 2.15 -0.30 | 23.73 1.83 -0.35 | 21.22 1.48 0.00 | 18.51 1.18 0.00 |
| INDECK___ILION 23567 | 15.68 0.05 -0.01 | 13.15 0.05 -0.20 | 12.28 0.02 -0.12 | 10.75 0.00 -0.25 | 10.62 0.01 -0.25 | 11.23 0.02 -0.23 | 13.17 0.05 0.00 | 14.61 -0.06 0.00 | 16.87 -0.05 -0.02 | 17.37 -0.03 -0.25 | 19.37 -0.04 -0.04 | 19.13 -0.02 -0.01 | 19.49 0.00 0.00 | 19.43 0.00 0.00 | 19.62 0.02 0.00 | 19.65 0.02 0.00 | 21.05 0.00 0.00 | 22.40 0.13 -0.20 | 25.24 0.17 -0.10 | 25.88 0.03 -0.25 | 23.90 0.02 -0.02 | 21.60 0.02 -0.02 | 19.74 0.00 0.00 | 17.35 0.02 0.00 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| INDECK___OLEAN 23982 | 15.39 -0.27 -0.03 | 13.02 -0.41 -0.53 | 12.06 -0.40 -0.33 | 10.75 -0.42 -0.67 | 10.69 -0.34 -0.68 | 11.25 -0.34 -0.61 | 12.98 -0.14 0.00 | 14.21 -0.45 0.00 | 16.05 -0.90 -0.05 | 16.82 -1.01 -0.68 | 18.54 -0.93 -0.10 | 18.31 -0.86 -0.03 | 18.85 -0.64 0.00 | 18.86 -0.56 0.00 | 19.19 -0.41 0.00 | 19.26 -0.37 0.00 | 20.48 -0.57 0.00 | 21.81 -0.79 -0.54 | 24.33 -0.90 -0.26 | 24.88 -1.23 -0.50 | 23.02 -0.88 -0.04 | 21.10 -0.49 -0.05 | 19.42 -0.32 0.00 | 17.40 0.07 0.00 |
| INDECK___OSWEGO 23783 | 15.95 0.31 -0.02 | 13.51 0.27 -0.33 | 12.57 0.23 -0.20 | 11.09 0.17 -0.41 | 10.98 0.21 -0.42 | 11.59 0.23 -0.38 | 13.44 0.31 0.00 | 14.89 0.22 0.00 | 17.19 0.25 -0.03 | 17.81 0.24 -0.42 | 19.71 0.27 -0.06 | 19.45 0.29 -0.02 | 19.80 0.31 0.00 | 19.76 0.33 0.00 | 19.95 0.35 0.00 | 20.01 0.37 0.00 | 21.35 0.29 0.00 | 22.95 0.55 -0.33 | 25.83 0.70 -0.16 | 26.51 0.66 -0.24 | 24.45 0.57 -0.02 | 22.05 0.47 -0.02 | 20.11 0.37 0.00 | 17.73 0.40 0.00 |
| INDECK___YERKES 23781 | 15.60 -0.05 -0.03 | 13.48 0.10 -0.47 | 12.51 0.09 -0.29 | 11.08 -0.01 -0.59 | 11.02 0.06 -0.60 | 11.61 0.09 -0.54 | 13.13 0.01 0.00 | 14.27 -0.40 0.00 | 16.37 -0.57 -0.04 | 17.17 -0.58 -0.60 | 18.69 -0.78 -0.09 | 18.44 -0.73 -0.02 | 18.97 -0.53 0.00 | 19.00 -0.43 0.00 | 19.28 -0.31 0.00 | 19.36 -0.27 0.00 | 20.55 -0.51 0.00 | 22.25 -0.29 -0.48 | 24.87 -0.33 -0.23 | 25.36 -0.67 -0.42 | 23.39 -0.50 -0.03 | 21.18 -0.41 -0.04 | 19.54 -0.20 0.00 | 17.66 0.33 0.00 |
| INDIAN POINT_GT_1 24139 | 16.71 0.94 -0.15 | 15.91 0.74 -0.27 | 14.21 0.67 -1.41 | 13.94 0.57 -0.87 | 13.84 0.57 -0.91 | 14.20 0.58 -0.64 | 13.87 0.75 0.00 | 15.43 0.76 0.00 | 17.99 0.88 -0.20 | 21.02 0.94 -0.29 | 20.93 1.12 -0.44 | 20.43 1.17 -0.12 | 20.72 1.23 0.00 | 20.65 1.22 0.00 | 20.83 1.23 0.00 | 20.85 1.22 0.00 | 22.38 1.33 0.00 | 25.84 1.46 -0.23 | 27.71 1.62 -1.12 | 30.04 1.54 -0.90 | 25.55 1.46 -0.24 | 23.12 1.29 -0.28 | 20.80 1.07 0.00 | 18.08 0.75 0.00 |
| INDIAN POINT_GT_2 23659 | 16.71 0.94 -0.15 | 15.91 0.74 -0.27 | 14.21 0.67 -1.41 | 13.94 0.57 -0.87 | 13.84 0.57 -0.91 | 14.20 0.58 -0.64 | 13.87 0.75 0.00 | 15.43 0.76 0.00 | 17.99 0.88 -0.20 | 21.02 0.94 -0.29 | 20.93 1.12 -0.44 | 20.43 1.17 -0.12 | 20.72 1.23 0.00 | 20.65 1.22 0.00 | 20.83 1.23 0.00 | 20.85 1.22 0.00 | 22.38 1.33 0.00 | 25.84 1.46 -0.23 | 27.71 1.62 -1.12 | 30.04 1.54 -0.90 | 25.55 1.46 -0.24 | 23.12 1.29 -0.28 | 20.80 1.07 0.00 | 18.08 0.75 0.00 |
| INDIAN POINT_GT_3 24019 | 16.71 0.94 -0.15 | 15.91 0.74 -0.27 | 14.21 0.67 -1.41 | 13.94 0.57 -0.87 | 13.84 0.57 -0.91 | 14.20 0.58 -0.64 | 13.87 0.75 0.00 | 15.43 0.76 0.00 | 17.99 0.88 -0.20 | 21.02 0.94 -0.29 | 20.93 1.12 -0.44 | 20.43 1.17 -0.12 | 20.72 1.23 0.00 | 20.65 1.22 0.00 | 20.83 1.23 0.00 | 20.85 1.22 0.00 | 22.38 1.33 0.00 | 25.84 1.46 -0.23 | 27.71 1.62 -1.12 | 30.04 1.54 -0.90 | 25.55 1.46 -0.24 | 23.12 1.29 -0.28 | 20.80 1.07 0.00 | 18.08 0.75 0.00 |
| INDIAN POINT___2 23530 | 16.69 0.92 -0.15 | 15.86 0.72 -0.23 | 14.19 0.67 -1.39 | 13.89 0.57 -0.82 | 13.79 0.57 -0.86 | 14.15 0.57 -0.60 | 13.84 0.72 0.00 | 15.43 0.76 0.00 | 17.96 0.86 -0.20 | 20.95 0.93 -0.88 | 20.91 1.10 -0.43 | 20.41 1.15 -0.12 | 20.70 1.21 0.00 | 20.63 1.20 0.00 | 20.81 1.22 0.00 | 20.83 1.20 0.00 | 22.38 1.33 0.00 | 25.78 1.43 -0.28 | 27.66 1.60 -1.10 | 29.85 1.51 -0.74 | 25.51 1.43 -0.22 | 23.10 1.29 -0.26 | 20.78 1.05 0.00 | 18.06 0.73 0.00 |
| INDIAN POINT___3 23531 | 16.71 0.94 -0.15 | 15.90 0.72 -0.27 | 14.21 0.67 -1.41 | 13.94 0.57 -0.87 | 13.84 0.57 -0.91 | 14.21 0.58 -0.65 | 13.87 0.75 0.00 | 15.43 0.76 0.00 | 17.97 0.86 -0.20 | 21.00 0.93 -0.29 | 20.91 1.10 -0.44 | 20.41 1.15 -0.12 | 20.70 1.21 0.00 | 20.63 1.20 0.00 | 20.81 1.22 0.00 | 20.83 1.20 0.00 | 22.38 1.33 0.00 | 25.82 1.43 -0.23 | 27.68 1.60 -1.12 | 30.02 1.51 -0.90 | 25.52 1.43 -0.24 | 23.10 1.27 -0.28 | 20.80 1.07 0.00 | 18.08 0.75 0.00 |
| INGHAM_C_115KV_TB7 356103 | 15.54 -0.09 -0.01 | 13.03 -0.08 -0.20 | 12.16 -0.10 -0.12 | 10.64 -0.12 -0.25 | 10.51 -0.10 -0.25 | 11.12 -0.09 -0.23 | 13.03 -0.09 0.00 | 14.46 -0.21 0.00 | 16.70 -0.22 -0.02 | 17.20 -0.21 -0.25 | 19.20 -0.21 -0.04 | 18.96 -0.19 -0.01 | 19.32 -0.18 0.00 | 19.23 -0.19 0.00 | 19.44 -0.16 0.00 | 19.50 -0.14 0.00 | 20.88 -0.17 0.00 | 22.22 -0.04 -0.20 | 25.04 -0.02 -0.10 | 25.67 -0.18 -0.25 | 23.71 -0.17 -0.02 | 21.45 -0.13 -0.02 | 19.60 -0.14 0.00 | 17.23 -0.10 0.00 |
| IP CORINTH___1 23988 | 16.96 1.14 -0.20 | 16.81 0.93 -0.27 | 14.85 0.87 -1.84 | 15.00 0.74 -0.36 | 14.92 0.76 -0.81 | 15.32 0.88 -0.34 | 14.13 1.01 0.00 | 15.76 1.09 0.00 | 18.49 1.32 -0.26 | 22.37 1.39 -0.38 | 21.59 1.65 -0.57 | 20.93 1.63 -0.15 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.01 1.41 0.00 | 20.95 1.32 0.00 | 22.76 1.71 0.00 | 27.04 1.94 -0.30 | 28.77 2.35 -1.46 | 31.66 2.25 -0.30 | 26.31 2.15 -0.31 | 23.72 1.81 -0.36 | 21.26 1.52 0.00 | 18.51 1.18 0.00 |
| IP___TICONDEROGA 23804 | 17.53 1.72 -0.20 | 17.27 1.39 -0.27 | 15.30 1.32 -1.84 | 15.38 1.12 -0.37 | 15.30 1.14 -0.81 | 15.80 1.36 -0.34 | 14.67 1.55 0.00 | 16.39 1.72 0.00 | 19.26 2.10 -0.26 | 23.21 2.23 -0.38 | 22.58 2.63 -0.57 | 21.88 2.58 -0.15 | 21.89 2.40 0.00 | 21.78 2.35 0.00 | 21.97 2.37 0.00 | 21.89 2.26 0.00 | 23.83 2.78 0.00 | 28.25 3.16 -0.30 | 30.10 3.67 -1.46 | 32.93 3.53 -0.30 | 27.55 3.39 -0.31 | 24.71 2.80 -0.36 | 22.12 2.39 0.00 | 19.22 1.89 0.00 |
| ISLIP_RES_REC 323679 | 17.32 1.55 -0.15 | 16.37 1.16 -0.20 | 14.62 1.06 -0.30 | 14.32 0.90 -0.29 | 14.17 0.86 -0.29 | 14.54 0.88 -0.68 | 14.37 1.25 0.00 | 15.87 1.20 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -0.29 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.53 2.24 -0.80 | 24.21 2.25 -0.25 | 24.63 2.27 -0.27 | 25.67 2.32 -0.37 | 28.20 2.55 -0.46 | 30.10 2.74 -0.53 | 30.64 3.10 -0.28 | 32.88 3.10 -0.48 | 27.45 2.79 -0.80 | 24.86 2.46 -0.85 | 21.69 1.95 0.00 | 18.56 1.23 0.00 |
| JAMAICA__27_KV_LOAD 355505 | 16.94 1.17 -0.15 | 16.10 0.89 -0.30 | 14.36 0.80 -0.43 | 14.11 0.69 -0.91 | 14.01 0.70 -0.95 | 14.37 0.71 -0.68 | 14.08 0.96 0.00 | 15.70 1.03 0.00 | 18.28 1.17 -0.20 | 21.38 1.27 -0.29 | 21.19 1.38 -0.44 | 20.74 1.47 -0.12 | 21.05 1.56 0.00 | 21.00 1.57 0.00 | 21.17 1.57 0.00 | 21.17 1.53 0.00 | 22.74 1.68 0.00 | 26.22 1.81 -0.23 | 27.99 1.90 -0.13 | 30.39 1.84 -0.24 | 25.88 1.79 -0.24 | 23.40 1.57 -0.28 | 21.22 1.48 0.00 | 18.32 0.99 0.00 |
| JANIS___SOLAR 323808 | 16.34 0.67 -0.05 | 14.20 0.55 -0.74 | 13.08 0.49 -0.46 | 11.83 0.39 -0.94 | 11.72 0.41 -0.95 | 12.32 0.48 -0.86 | 13.75 0.63 0.00 | 15.23 0.56 0.00 | 17.56 0.59 -0.07 | 18.69 0.58 -0.96 | 20.15 0.64 -0.14 | 19.81 0.63 -0.04 | 20.13 0.64 0.00 | 20.09 0.66 0.00 | 20.30 0.70 0.00 | 20.36 0.73 0.00 | 21.79 0.74 0.00 | 23.88 1.06 -0.76 | 26.68 1.35 -0.36 | 27.71 1.33 -0.78 | 25.11 1.19 -0.06 | 22.64 1.01 -0.07 | 20.62 0.89 0.00 | 18.18 0.85 0.00 |
| JARVIS____ 23743 | 15.71 0.08 -0.01 | 13.19 0.09 -0.20 | 12.32 0.06 -0.12 | 10.78 0.03 -0.25 | 10.66 0.05 -0.25 | 11.27 0.07 -0.23 | 13.20 0.08 0.00 | 14.67 0.00 0.00 | 16.92 0.00 -0.02 | 17.40 0.00 -0.25 | 19.41 0.00 -0.04 | 19.17 0.02 -0.01 | 19.53 0.04 0.00 | 19.46 0.04 0.00 | 19.66 0.06 0.00 | 19.69 0.06 0.00 | 21.09 0.04 0.00 | 22.42 0.16 -0.20 | 25.26 0.20 -0.10 | 25.65 0.05 0.00 | 23.91 0.05 0.00 | 21.59 0.04 0.00 | 19.76 0.02 0.00 | 17.35 0.02 0.00 |

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| JENNISON___1 23625 | 16.48 0.80 -0.06 | 14.49 0.65 -0.94 | 13.30 0.58 -0.58 | 12.16 0.47 -1.18 | 12.03 0.48 -1.20 | 12.63 0.56 -1.09 | 13.86 0.73 0.00 | 15.33 0.66 0.00 | 17.73 0.74 -0.08 | 19.11 0.75 -1.21 | 20.38 0.83 -0.18 | 20.05 0.86 -0.05 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.52 0.92 0.00 | 20.54 0.90 0.00 | 21.98 0.93 0.00 | 24.21 1.19 -0.96 | 26.93 1.50 -0.46 | 28.23 1.43 -1.20 | 25.27 1.31 -0.10 | 22.74 1.08 -0.11 | 20.72 0.99 0.00 | 18.27 0.94 0.00 |
| JENNISON___2 23626 | 16.48 0.80 -0.06 | 14.49 0.65 -0.94 | 13.30 0.58 -0.58 | 12.16 0.47 -1.18 | 12.03 0.48 -1.20 | 12.63 0.56 -1.09 | 13.86 0.73 0.00 | 15.33 0.66 0.00 | 17.73 0.74 -0.08 | 19.11 0.75 -1.21 | 20.38 0.83 -0.18 | 20.05 0.86 -0.05 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.52 0.92 0.00 | 20.54 0.90 0.00 | 21.98 0.93 0.00 | 24.21 1.19 -0.96 | 26.93 1.50 -0.46 | 28.23 1.43 -1.20 | 25.27 1.31 -0.10 | 22.74 1.08 -0.11 | 20.72 0.99 0.00 | 18.27 0.94 0.00 |
| JERICHO_RISE_WT_PWR 323719 | 15.58 -0.05 0.00 | 12.89 -0.08 -0.06 | 12.16 -0.01 -0.04 | 10.66 0.08 -0.07 | 10.45 0.02 -0.07 | 11.08 0.03 -0.07 | 13.13 0.01 0.00 | 14.82 0.15 0.00 | 17.15 0.24 -0.01 | 17.43 0.21 -0.07 | 19.63 0.25 -0.01 | 19.36 0.21 0.00 | 19.63 0.14 0.00 | 19.52 0.10 0.00 | 19.62 0.02 0.00 | 19.69 0.06 0.00 | 21.20 0.15 0.00 | 22.23 0.11 -0.06 | 24.97 -0.02 -0.03 | 25.60 0.00 0.00 | 23.86 0.00 0.00 | 21.53 -0.02 0.00 | 19.79 0.06 0.00 | 17.31 -0.02 0.00 |
| KATONAH___115KV_46KV_TB4 355592 | 16.79 1.02 -0.15 | 16.06 0.81 -2.33 | 14.31 0.73 -1.45 | 14.07 0.61 -2.95 | 13.96 0.61 -3.00 | 14.33 0.63 -2.72 | 13.91 0.79 0.00 | 15.46 0.79 0.00 | 18.06 0.95 -0.21 | 21.19 1.03 -3.01 | 21.06 1.24 -0.45 | 20.51 1.24 -0.12 | 20.80 1.31 0.00 | 20.71 1.28 0.00 | 20.89 1.29 0.00 | 20.91 1.28 0.00 | 22.46 1.41 0.00 | 26.02 1.57 -2.38 | 27.89 1.77 -1.15 | 30.28 1.69 -2.99 | 25.67 1.57 -0.24 | 23.26 1.42 -0.28 | 20.88 1.14 0.00 | 18.14 0.81 0.00 |
| KCE_NY_1 323755 | 16.79 0.97 -0.20 | 16.68 0.81 -2.96 | 14.73 0.75 -1.84 | 14.89 0.64 -3.75 | 14.81 0.65 -3.80 | 15.17 0.74 -3.45 | 14.00 0.88 0.00 | 15.56 0.89 0.00 | 18.23 1.07 -0.26 | 22.09 1.11 -3.83 | 21.28 1.34 -0.57 | 20.62 1.32 -0.15 | 20.74 1.25 0.00 | 20.67 1.24 0.00 | 20.87 1.27 0.00 | 20.85 1.22 0.00 | 22.48 1.43 0.00 | 26.70 1.61 -3.03 | 28.30 1.87 -1.46 | 31.06 1.79 -3.66 | 25.87 1.72 -0.30 | 23.39 1.49 -0.35 | 20.92 1.18 0.00 | 18.28 0.95 0.00 |
| KCE_NY_6_ESR 323823 | 15.62 -0.03 -0.03 | 13.41 0.01 -0.49 | 12.44 0.00 -0.30 | 11.05 -0.07 -0.61 | 10.98 0.00 -0.62 | 11.57 0.02 -0.57 | 13.16 0.04 0.00 | 14.36 -0.31 0.00 | 16.41 -0.54 -0.04 | 17.21 -0.57 -0.63 | 18.81 -0.66 -0.09 | 18.56 -0.61 -0.03 | 19.08 -0.41 0.00 | 19.11 -0.31 0.00 | 19.40 -0.20 0.00 | 19.50 -0.14 0.00 | 20.69 -0.36 0.00 | 22.32 -0.24 -0.50 | 24.93 -0.27 -0.24 | 25.46 -0.59 -0.45 | 23.49 -0.41 -0.04 | 21.34 -0.26 -0.04 | 19.66 -0.08 0.00 | 17.71 0.38 0.00 |
| KEDC_PORT_JEFF_GT2 24210 | 17.23 1.45 -0.15 | 16.29 1.08 -2.30 | 14.55 0.98 -1.43 | 14.26 0.85 -2.91 | 14.12 0.81 -2.95 | 14.48 0.82 -2.68 | 14.29 1.17 0.00 | 15.80 1.13 0.00 | 18.53 1.42 -0.20 | 21.59 1.47 -2.97 | 21.81 1.98 -0.46 | 21.29 2.01 -0.14 | 22.40 2.11 -0.80 | 24.08 2.12 -2.53 | 24.50 2.14 -2.76 | 25.52 2.16 -3.72 | 28.04 2.38 -4.61 | 29.93 2.56 -5.30 | 30.44 2.89 -2.58 | 32.67 2.89 -4.18 | 27.26 2.60 -0.80 | 24.71 2.31 -0.85 | 21.55 1.81 0.00 | 18.46 1.13 0.00 |
| KEDC_PORT_JEFF_GT3 24211 | 17.23 1.45 -0.15 | 16.29 1.08 -2.30 | 14.55 0.98 -1.43 | 14.26 0.85 -2.91 | 14.12 0.81 -2.95 | 14.48 0.82 -2.68 | 14.29 1.17 0.00 | 15.80 1.13 0.00 | 18.53 1.42 -0.20 | 21.59 1.47 -2.97 | 21.81 1.98 -0.46 | 21.29 2.01 -0.14 | 22.40 2.11 -0.80 | 24.08 2.12 -2.53 | 24.50 2.14 -2.76 | 25.52 2.16 -3.72 | 28.04 2.38 -4.61 | 29.93 2.56 -5.30 | 30.44 2.89 -2.58 | 32.67 2.89 -4.18 | 27.26 2.60 -0.80 | 24.71 2.31 -0.85 | 21.55 1.81 0.00 | 18.46 1.13 0.00 |
| KEDC_GLWD_GT4 24219 | 16.94 1.17 -0.15 | 16.10 0.89 -2.30 | 14.36 0.80 -1.43 | 14.11 0.69 -2.91 | 13.98 0.67 -2.95 | 14.35 0.69 -2.68 | 14.04 0.92 0.00 | 15.59 0.92 0.00 | 18.22 1.12 -0.20 | 21.30 1.18 -2.97 | 21.36 1.53 -0.46 | 20.85 1.57 -0.14 | 21.95 1.66 -0.80 | 23.61 1.65 -2.53 | 24.02 1.66 -2.76 | 25.01 1.65 -3.72 | 27.45 1.79 -4.61 | 29.29 1.92 -5.30 | 29.62 2.07 -2.58 | 31.70 1.92 -4.18 | 26.61 1.96 -0.80 | 24.17 1.77 -0.85 | 21.14 1.40 0.00 | 18.25 0.92 0.00 |
| KEDC_GLWD_GT5 24220 | 16.94 1.17 -0.15 | 16.10 0.89 -2.30 | 14.36 0.80 -1.43 | 14.11 0.69 -2.91 | 13.98 0.67 -2.95 | 14.35 0.69 -2.68 | 14.04 0.92 0.00 | 15.59 0.92 0.00 | 18.22 1.12 -0.20 | 21.30 1.18 -2.97 | 21.36 1.53 -0.46 | 20.85 1.57 -0.14 | 21.95 1.66 -0.80 | 23.61 1.65 -2.53 | 24.02 1.66 -2.76 | 25.01 1.65 -3.72 | 27.45 1.79 -4.61 | 29.29 1.92 -5.30 | 29.62 2.07 -2.58 | 31.70 1.92 -4.18 | 26.61 1.96 -0.80 | 24.17 1.77 -0.85 | 21.14 1.40 0.00 | 18.25 0.92 0.00 |
| KENSICO____ 23655 | 16.76 0.98 -0.15 | 15.97 0.77 -2.29 | 14.26 0.70 -1.42 | 14.01 0.61 -2.90 | 13.90 0.60 -2.94 | 14.26 0.61 -2.67 | 13.92 0.80 0.00 | 15.49 0.82 0.00 | 18.04 0.93 -0.20 | 21.10 0.99 -2.96 | 21.01 1.20 -0.44 | 20.51 1.24 -0.12 | 20.80 1.31 0.00 | 20.73 1.30 0.00 | 20.91 1.31 0.00 | 20.93 1.30 0.00 | 22.48 1.43 0.00 | 25.95 1.54 -2.34 | 27.79 1.70 -1.13 | 30.17 1.64 -2.93 | 25.62 1.53 -0.24 | 23.21 1.38 -0.28 | 20.88 1.14 0.00 | 18.13 0.80 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 16.70 0.94 -0.14 | 15.74 0.71 -2.12 | 14.10 0.64 -1.32 | 13.74 0.55 -2.69 | 13.63 0.55 -2.72 | 13.98 0.53 -2.47 | 13.83 0.71 0.00 | 15.37 0.70 0.00 | 17.92 0.83 -0.19 | 20.73 0.84 -2.74 | 20.77 0.99 -0.41 | 20.29 1.03 -0.11 | 20.58 1.09 0.00 | 20.51 1.09 0.00 | 20.70 1.10 0.00 | 20.72 1.08 0.00 | 22.27 1.22 0.00 | 25.56 1.32 -2.17 | 27.56 1.55 -1.04 | 29.78 1.46 -2.72 | 25.41 1.34 -0.22 | 22.97 1.16 -0.26 | 20.70 0.97 0.00 | 18.02 0.69 0.00 |
| KIAC_JFK_GT1 23816 | 16.85 1.08 -0.15 | 16.02 0.81 -2.30 | 14.30 0.74 -1.43 | 14.05 0.64 -2.91 | 13.95 0.64 -2.95 | 14.32 0.66 -2.68 | 14.01 0.89 0.00 | 15.62 0.95 0.00 | 18.19 1.08 -0.20 | 21.30 1.18 -2.97 | 21.09 1.28 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.75 1.65 -1.13 | 30.13 1.59 -2.94 | 25.77 1.67 -0.24 | 23.30 1.47 -0.28 | 21.10 1.36 0.00 | 18.23 0.90 0.00 |
| KIAC_JFK_GT2 23817 | 16.85 1.08 -0.15 | 16.02 0.81 -2.30 | 14.30 0.74 -1.43 | 14.05 0.64 -2.91 | 13.95 0.64 -2.95 | 14.32 0.66 -2.68 | 14.01 0.89 0.00 | 15.62 0.95 0.00 | 18.19 1.08 -0.20 | 21.30 1.18 -2.97 | 21.09 1.28 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.75 1.65 -1.13 | 30.13 1.59 -2.94 | 25.77 1.67 -0.24 | 23.30 1.47 -0.28 | 21.10 1.36 0.00 | 18.23 0.90 0.00 |
| KIAC_JFK____ 323774 | 16.85 1.08 -0.15 | 16.02 0.81 -2.30 | 14.30 0.74 -1.43 | 14.05 0.64 -2.91 | 13.95 0.64 -2.95 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.62 0.95 0.00 | 18.19 1.08 -0.20 | 21.30 1.18 -2.97 | 21.09 1.28 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.74 1.65 -1.13 | 30.01 1.59 -2.82 | 25.76 1.67 -0.23 | 23.31 1.49 -0.27 | 21.08 1.34 0.00 | 18.23 0.90 0.00 |

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|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| KINTIGH____ 23543 | 15.52 -0.12 -0.03 | 13.40 0.06 -0.43 | 12.45 0.05 -0.27 | 11.03 -0.02 -0.54 | 10.94 0.03 -0.55 | 11.52 0.04 -0.50 | 13.08 -0.04 0.00 | 14.26 -0.41 0.00 | 16.45 -0.49 -0.04 | 17.20 -0.50 -0.55 | 18.80 -0.66 -0.08 | 18.42 -0.75 -0.02 | 18.93 -0.57 0.00 | 18.96 -0.47 0.00 | 19.23 -0.37 0.00 | 19.30 -0.33 0.00 | 20.50 -0.55 0.00 | 22.28 -0.22 -0.44 | 24.93 -0.25 -0.21 | 25.61 -0.54 -0.55 | 23.47 -0.43 -0.04 | 21.11 -0.50 -0.05 | 19.30 -0.43 0.00 | 17.50 0.17 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 15.81 0.19 0.00 | 13.05 0.09 -0.05 | 12.34 0.17 -0.03 | 10.83 0.25 -0.07 | 10.59 0.17 -0.07 | 11.23 0.19 -0.06 | 13.29 0.17 0.00 | 15.01 0.34 0.00 | 17.33 0.42 0.00 | 17.63 0.41 -0.07 | 19.87 0.48 -0.01 | 19.59 0.44 0.00 | 19.84 0.35 0.00 | 19.74 0.31 0.00 | 19.83 0.24 0.00 | 19.93 0.29 0.00 | 21.47 0.42 0.00 | 22.56 0.44 -0.06 | 25.32 0.32 -0.03 | 26.06 0.38 -0.07 | 24.24 0.38 -0.01 | 21.90 0.34 -0.01 | 20.09 0.36 0.00 | 17.54 0.21 0.00 |
| LACHUTE__HYDRO 323717 | 17.53 1.72 -0.20 | 17.27 1.39 -2.97 | 15.30 1.32 -1.84 | 15.38 1.12 -3.75 | 15.30 1.14 -3.81 | 15.80 1.36 -3.46 | 14.77 1.65 0.00 | 16.39 1.72 0.00 | 19.26 2.10 -0.26 | 23.21 2.23 -3.83 | 22.60 2.65 -0.57 | 21.90 2.60 -0.15 | 21.89 2.40 0.00 | 21.77 2.35 0.00 | 21.97 2.37 0.00 | 21.89 2.26 0.00 | 23.83 2.78 0.00 | 28.25 3.15 -3.03 | 30.10 3.67 -1.46 | 32.80 3.53 -3.67 | 27.57 3.41 -0.30 | 24.74 2.84 -0.35 | 22.10 2.37 0.00 | 19.22 1.89 0.00 |
| LAWRNCALV_115KV_TB1 80681 | 15.42 -0.20 -0.01 | 12.80 -0.19 -0.08 | 12.04 -0.15 -0.05 | 10.54 -0.07 -0.11 | 10.33 -0.13 -0.11 | 10.95 -0.13 -0.10 | 12.92 -0.20 0.00 | 14.57 -0.10 0.00 | 16.83 -0.08 -0.01 | 17.17 -0.09 -0.11 | 19.23 -0.15 -0.02 | 18.80 -0.34 0.00 | 19.04 -0.45 0.00 | 18.96 -0.47 0.00 | 19.07 -0.53 0.00 | 19.09 -0.55 0.00 | 20.53 -0.53 0.00 | 21.53 -0.62 -0.09 | 24.26 -0.75 -0.04 | 24.99 -0.72 -0.11 | 23.22 -0.64 -0.01 | 21.20 -0.37 -0.01 | 19.56 -0.18 0.00 | 17.11 -0.23 0.00 |
| LEDERLE____ 23769 | 16.75 0.98 -0.14 | 15.86 0.76 -2.19 | 14.19 0.69 -1.36 | 13.88 0.60 -2.77 | 13.76 0.59 -2.81 | 14.14 0.60 -2.55 | 13.91 0.79 0.00 | 15.46 0.79 0.00 | 18.01 0.91 -0.19 | 20.94 0.96 -2.83 | 20.92 1.12 -0.42 | 20.43 1.17 -0.11 | 20.74 1.25 0.00 | 20.67 1.24 0.00 | 20.87 1.27 0.00 | 20.89 1.26 0.00 | 22.42 1.37 0.00 | 25.80 1.50 -2.24 | 27.74 1.70 -1.08 | 30.02 1.61 -2.80 | 25.59 1.50 -0.23 | 23.15 1.34 -0.27 | 20.84 1.11 0.00 | 18.11 0.78 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 15.86 0.22 -0.02 | 13.41 0.19 -0.31 | 12.48 0.16 -0.19 | 11.00 0.11 -0.39 | 10.89 0.13 -0.39 | 11.50 0.16 -0.36 | 13.36 0.24 0.00 | 14.80 0.13 0.00 | 17.10 0.17 -0.03 | 17.70 0.15 -0.40 | 19.59 0.15 -0.06 | 19.29 0.13 -0.02 | 19.63 0.14 0.00 | 19.58 0.16 0.00 | 19.80 0.20 0.00 | 19.83 0.20 0.00 | 21.20 0.15 0.00 | 22.77 0.40 -0.31 | 25.67 0.55 -0.15 | 26.51 0.51 -0.39 | 24.32 0.43 -0.03 | 21.89 0.30 -0.04 | 19.95 0.22 0.00 | 17.61 0.28 0.00 |
| LINDEN COGEN____ 23786 | 16.82 1.05 -0.15 | 16.01 0.80 -2.30 | 14.29 0.73 -1.43 | 14.04 0.63 -2.91 | 13.94 0.63 -2.95 | 14.29 0.64 -2.68 | 13.95 0.83 0.00 | 15.55 0.88 0.00 | 18.07 0.96 -0.20 | 21.14 1.03 -2.97 | 21.04 1.22 -0.44 | 20.57 1.30 -0.12 | 20.88 1.38 0.00 | 20.80 1.38 0.00 | 20.99 1.39 0.00 | 20.99 1.35 0.00 | 22.55 1.49 0.00 | 25.98 1.57 -2.35 | 27.80 1.70 -1.13 | 30.04 1.61 -2.82 | 25.68 1.60 -0.23 | 23.26 1.44 -0.27 | 20.92 1.18 0.00 | 18.15 0.81 0.00 |
| LINDHRST_69_KV_BK1 356055 | 17.16 1.39 -0.15 | 16.25 1.05 -2.30 | 14.51 0.95 -1.43 | 14.22 0.81 -2.91 | 14.08 0.78 -2.95 | 14.45 0.79 -2.68 | 14.34 1.22 0.00 | 15.76 1.09 0.00 | 18.48 1.37 -0.20 | 21.54 1.42 -2.97 | 21.71 1.88 -0.46 | 21.19 1.91 -0.14 | 22.30 2.01 -0.80 | 23.98 2.02 -2.53 | 24.40 2.04 -2.76 | 25.40 2.04 -3.72 | 27.89 2.23 -4.61 | 29.77 2.40 -5.30 | 30.27 2.72 -2.58 | 32.56 2.66 -4.30 | 27.12 2.46 -0.81 | 24.59 2.18 -0.86 | 21.51 1.78 0.00 | 18.44 1.11 0.00 |
| LIPA_MISC_IPP 23656 | 17.24 1.47 -0.15 | 16.30 1.10 -2.30 | 14.57 1.01 -1.43 | 14.27 0.86 -2.91 | 14.13 0.82 -2.95 | 14.49 0.83 -2.68 | 14.43 1.31 0.00 | 15.81 1.14 0.00 | 18.53 1.42 -0.20 | 21.61 1.49 -2.97 | 21.81 1.98 -0.46 | 21.29 2.01 -0.14 | 22.40 2.11 -0.80 | 24.08 2.12 -2.53 | 24.52 2.16 -2.76 | 25.54 2.18 -3.72 | 28.06 2.40 -4.61 | 29.93 2.56 -5.30 | 30.47 2.92 -2.58 | 32.77 2.87 -4.30 | 27.27 2.60 -0.81 | 24.70 2.28 -0.86 | 21.59 1.86 0.00 | 18.47 1.14 0.00 |
| LISF__SOLAR 323691 | 17.27 1.50 -0.15 | 16.33 1.12 -2.30 | 14.58 1.02 -1.43 | 14.30 0.88 -2.91 | 14.15 0.84 -2.95 | 14.51 0.86 -2.68 | 14.33 1.21 0.00 | 15.84 1.17 0.00 | 18.56 1.45 -0.20 | 21.63 1.51 -2.97 | 21.85 2.01 -0.46 | 21.33 2.05 -0.14 | 22.44 2.14 -0.80 | 24.13 2.18 -2.53 | 24.55 2.19 -2.76 | 25.57 2.22 -3.72 | 28.10 2.44 -4.61 | 29.99 2.62 -5.30 | 30.51 2.97 -2.58 | 32.75 2.97 -4.18 | 27.33 2.67 -0.80 | 24.78 2.37 -0.85 | 21.61 1.88 0.00 | 18.49 1.16 0.00 |
| LITTLE FALLS__HYD 24013 | 15.54 -0.09 -0.01 | 13.03 -0.08 -0.20 | 12.16 -0.10 -0.12 | 10.64 -0.12 -0.25 | 10.51 -0.10 -0.25 | 11.12 -0.09 -0.23 | 13.03 -0.09 0.00 | 14.46 -0.21 0.00 | 16.70 -0.22 -0.02 | 17.20 -0.21 -0.25 | 19.20 -0.21 -0.04 | 18.96 -0.19 -0.01 | 19.32 -0.18 0.00 | 19.23 -0.19 0.00 | 19.44 -0.16 0.00 | 19.50 -0.14 0.00 | 20.88 -0.17 0.00 | 22.22 -0.04 -0.20 | 25.04 -0.02 -0.10 | 25.67 -0.18 -0.25 | 23.71 -0.17 -0.02 | 21.45 -0.13 -0.02 | 19.60 -0.14 0.00 | 17.23 -0.10 0.00 |
| LITTLRIV_115KV_TB1 356100 | 15.53 -0.09 -0.01 | 12.88 -0.12 -0.09 | 12.12 -0.07 -0.06 | 10.62 0.00 -0.11 | 10.40 -0.07 -0.11 | 11.03 -0.05 -0.10 | 13.00 -0.12 0.00 | 14.67 0.00 0.00 | 16.95 0.03 -0.01 | 17.30 0.03 -0.11 | 19.37 -0.02 -0.02 | 18.94 -0.21 0.00 | 19.18 -0.31 0.00 | 19.08 -0.35 0.00 | 19.19 -0.41 0.00 | 19.20 -0.43 0.00 | 20.67 -0.38 0.00 | 21.69 -0.46 -0.09 | 24.46 -0.55 -0.04 | 25.20 -0.51 -0.11 | 23.41 -0.45 -0.01 | 21.35 -0.22 -0.01 | 19.70 -0.04 0.00 | 17.23 -0.10 0.00 |
| LI_NEWBRIDGE__DRP 323616 | 16.88 1.11 -0.15 | 16.03 0.83 -2.30 | 14.30 0.74 -1.43 | 14.05 0.64 -2.91 | 13.92 0.61 -2.95 | 14.27 0.61 -2.68 | 14.08 0.96 0.00 | 15.52 0.85 0.00 | 18.17 1.06 -0.20 | 21.25 1.13 -2.97 | 21.32 1.49 -0.46 | 20.81 1.53 -0.14 | 21.89 1.60 -0.80 | 23.57 1.61 -2.53 | 23.99 1.63 -2.76 | 24.97 1.61 -3.72 | 27.40 1.75 -4.61 | 29.27 1.90 -5.30 | 29.67 2.12 -2.58 | 31.95 2.05 -4.30 | 26.58 1.91 -0.81 | 24.12 1.70 -0.86 | 21.14 1.40 0.00 | 18.14 0.81 0.00 |
| LOCKPORT_115KV_TB60_63_64 80432 | 15.48 -0.17 -0.03 | 13.35 -0.01 -0.45 | 12.39 -0.02 -0.28 | 10.97 -0.11 -0.57 | 10.90 -0.04 -0.58 | 11.48 -0.02 -0.53 | 13.10 -0.03 0.00 | 14.17 -0.50 0.00 | 16.29 -0.66 -0.04 | 17.05 -0.69 -0.58 | 18.55 -0.91 -0.09 | 18.27 -0.90 -0.02 | 18.81 -0.68 0.00 | 18.86 -0.56 0.00 | 19.15 -0.45 0.00 | 19.22 -0.41 0.00 | 20.40 -0.65 0.00 | 22.11 -0.42 -0.46 | 24.72 -0.47 -0.22 | 25.39 -0.79 -0.58 | 23.24 -0.67 -0.05 | 20.90 -0.71 -0.06 | 19.22 -0.51 0.00 | 17.52 0.19 0.00 |
| LOCKPORT__CC1 323769 | 15.48 -0.17 -0.03 | 13.35 -0.01 -0.46 | 12.39 -0.02 -0.28 | 10.99 -0.09 -0.58 | 10.91 -0.03 -0.58 | 11.49 -0.02 -0.53 | 13.04 -0.08 0.00 | 14.19 -0.48 0.00 | 16.29 -0.66 -0.04 | 17.07 -0.67 -0.59 | 18.57 -0.89 -0.09 | 18.33 -0.84 -0.02 | 18.83 -0.66 0.00 | 18.86 -0.56 0.00 | 19.15 -0.45 0.00 | 19.24 -0.39 0.00 | 20.42 -0.63 0.00 | 22.11 -0.42 -0.47 | 24.72 -0.48 -0.22 | 25.22 -0.79 -0.41 | 23.25 -0.64 -0.03 | 21.05 -0.54 -0.04 | 19.40 -0.34 0.00 | 17.54 0.21 0.00 |

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|---------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| LOCKPORT___CC2 323770 | 15.48 -0.17 -0.03 | 13.35 -0.01 -0.46 | 12.39 -0.02 -0.28 | 10.99 -0.09 -0.58 | 10.91 -0.03 -0.58 | 11.49 -0.02 -0.53 | 13.04 -0.08 0.00 | 14.19 -0.48 0.00 | 16.29 -0.66 -0.04 | 17.07 -0.67 -0.59 | 18.57 -0.89 -0.09 | 18.33 -0.84 -0.02 | 18.83 -0.66 0.00 | 18.86 -0.56 0.00 | 19.15 -0.45 0.00 | 19.24 -0.39 0.00 | 20.42 -0.63 0.00 | 22.11 -0.42 -0.47 | 24.72 -0.48 -0.22 | 25.22 -0.79 -0.41 | 23.25 -0.64 -0.03 | 21.05 -0.54 -0.04 | 19.40 -0.34 0.00 | 17.54 0.21 0.00 |
| LOCKPORT___CC3 323771 | 15.48 -0.17 -0.03 | 13.35 -0.01 -0.46 | 12.39 -0.02 -0.28 | 10.99 -0.09 -0.58 | 10.91 -0.03 -0.58 | 11.49 -0.02 -0.53 | 13.04 -0.08 0.00 | 14.19 -0.48 0.00 | 16.29 -0.66 -0.04 | 17.07 -0.67 -0.59 | 18.57 -0.89 -0.09 | 18.33 -0.84 -0.02 | 18.83 -0.66 0.00 | 18.86 -0.56 0.00 | 19.15 -0.45 0.00 | 19.24 -0.39 0.00 | 20.42 -0.63 0.00 | 22.11 -0.42 -0.47 | 24.72 -0.48 -0.22 | 25.22 -0.79 -0.41 | 23.25 -0.64 -0.03 | 21.05 -0.54 -0.04 | 19.40 -0.34 0.00 | 17.54 0.21 0.00 |
| LONG_LAKE_PHOENIX 24014 | 15.89 0.25 -0.02 | 13.47 0.23 -0.33 | 12.53 0.19 -0.20 | 11.06 0.14 -0.42 | 10.95 0.18 -0.42 | 11.56 0.20 -0.38 | 13.40 0.28 0.00 | 14.83 0.16 0.00 | 17.12 0.19 -0.03 | 17.76 0.19 -0.42 | 19.65 0.21 -0.06 | 19.39 0.23 -0.02 | 19.75 0.25 0.00 | 19.70 0.27 0.00 | 19.89 0.29 0.00 | 19.95 0.31 0.00 | 21.28 0.23 0.00 | 22.86 0.46 -0.34 | 25.73 0.60 -0.16 | 26.56 0.54 -0.42 | 24.34 0.45 -0.03 | 21.94 0.34 -0.04 | 19.99 0.26 0.00 | 17.66 0.33 0.00 |
| LOVETT___3 23632 | 16.69 0.92 -0.15 | 15.82 0.71 -2.20 | 14.16 0.66 -1.37 | 13.85 0.56 -2.78 | 13.74 0.56 -2.83 | 14.10 0.56 -2.57 | 13.86 0.73 0.00 | 15.42 0.75 0.00 | 17.95 0.85 -0.20 | 20.88 0.89 -2.84 | 20.86 1.07 -0.42 | 20.37 1.11 -0.11 | 20.66 1.17 0.00 | 20.61 1.18 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.34 1.28 0.00 | 25.73 1.41 -2.25 | 27.62 1.57 -1.08 | 29.90 1.48 -2.82 | 25.47 1.38 -0.23 | 23.07 1.25 -0.27 | 20.78 1.05 0.00 | 18.04 0.71 0.00 |
| LOVETT___4 23642 | 16.69 0.92 -0.15 | 15.82 0.71 -2.20 | 14.16 0.66 -1.37 | 13.85 0.56 -2.78 | 13.74 0.56 -2.83 | 14.10 0.56 -2.57 | 13.86 0.73 0.00 | 15.42 0.75 0.00 | 17.95 0.85 -0.20 | 20.88 0.89 -2.84 | 20.86 1.07 -0.42 | 20.37 1.11 -0.11 | 20.66 1.17 0.00 | 20.61 1.18 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.34 1.28 0.00 | 25.73 1.41 -2.25 | 27.62 1.57 -1.08 | 29.90 1.48 -2.82 | 25.47 1.38 -0.23 | 23.07 1.25 -0.27 | 20.78 1.05 0.00 | 18.04 0.71 0.00 |
| LOVETT___5 23593 | 16.69 0.92 -0.15 | 15.82 0.71 -2.20 | 14.16 0.66 -1.37 | 13.85 0.56 -2.78 | 13.74 0.56 -2.83 | 14.10 0.56 -2.57 | 13.86 0.73 0.00 | 15.42 0.75 0.00 | 17.95 0.85 -0.20 | 20.88 0.89 -2.84 | 20.86 1.07 -0.42 | 20.37 1.11 -0.11 | 20.66 1.17 0.00 | 20.61 1.18 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.34 1.28 0.00 | 25.73 1.41 -2.25 | 27.62 1.57 -1.08 | 29.90 1.48 -2.82 | 25.47 1.38 -0.23 | 23.07 1.25 -0.27 | 20.78 1.05 0.00 | 18.04 0.71 0.00 |
| LOWER RAQUET___HYD 24057 | 15.42 -0.20 -0.01 | 12.81 -0.19 -0.09 | 12.05 -0.15 -0.06 | 10.55 -0.07 -0.12 | 10.34 -0.13 -0.12 | 10.95 -0.13 -0.11 | 12.94 -0.18 0.00 | 14.57 -0.10 0.00 | 16.85 -0.07 -0.01 | 17.20 -0.07 -0.12 | 19.21 -0.17 -0.02 | 18.75 -0.40 0.00 | 19.01 -0.49 0.00 | 18.90 -0.52 0.00 | 19.01 -0.59 0.00 | 19.03 -0.61 0.00 | 20.46 -0.59 0.00 | 21.50 -0.66 -0.09 | 24.21 -0.80 -0.05 | 24.81 -0.79 0.00 | 23.14 -0.72 0.00 | 21.12 -0.43 0.00 | 19.54 -0.20 0.00 | 17.10 -0.23 0.00 |
| LOWER___HUDSON 24059 | 16.53 0.72 -0.19 | 16.45 0.62 -2.93 | 14.52 0.57 -1.82 | 14.69 0.48 -3.70 | 14.60 0.49 -3.75 | 14.93 0.54 -3.41 | 13.75 0.63 0.00 | 15.31 0.64 0.00 | 17.93 0.76 -0.26 | 21.70 0.77 -3.78 | 20.87 0.93 -0.56 | 20.20 0.90 -0.15 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.48 0.88 0.00 | 20.50 0.86 0.00 | 22.04 0.99 0.00 | 26.15 1.10 -2.99 | 27.70 1.30 -1.44 | 30.44 1.23 -3.61 | 25.30 1.15 -0.29 | 22.93 1.03 -0.34 | 20.50 0.77 0.00 | 17.94 0.61 0.00 |
| LOWVILLE_115KV_TB2 356335 | 15.79 0.16 -0.01 | 13.24 0.13 -0.21 | 12.37 0.11 -0.13 | 10.85 0.08 -0.26 | 10.71 0.08 -0.27 | 11.35 0.13 -0.24 | 13.29 0.17 0.00 | 14.79 0.12 0.00 | 17.07 0.15 -0.02 | 17.59 0.17 -0.27 | 19.55 0.14 -0.04 | 19.23 0.08 -0.01 | 19.51 0.02 0.00 | 19.46 0.04 0.00 | 19.62 0.02 0.00 | 19.65 0.02 0.00 | 21.07 0.02 0.00 | 22.50 0.22 -0.21 | 25.39 0.32 -0.10 | 26.15 0.28 -0.26 | 24.14 0.26 -0.02 | 21.79 0.22 -0.03 | 19.93 0.20 0.00 | 17.52 0.19 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 16.78 0.97 -0.20 | 16.67 0.80 -2.96 | 14.73 0.75 -1.84 | 14.88 0.63 -3.75 | 14.80 0.64 -3.80 | 15.17 0.74 -3.45 | 13.96 0.84 0.00 | 15.56 0.89 0.00 | 18.23 1.06 -0.26 | 22.07 1.10 -3.83 | 21.26 1.32 -0.57 | 20.60 1.30 -0.15 | 20.74 1.25 0.00 | 20.67 1.24 0.00 | 20.85 1.25 0.00 | 20.85 1.22 0.00 | 22.46 1.41 0.00 | 26.70 1.61 -3.03 | 28.30 1.87 -1.46 | 31.16 1.77 -3.79 | 25.86 1.69 -0.31 | 23.36 1.44 -0.36 | 20.94 1.20 0.00 | 18.27 0.94 0.00 |
| LUTHERNY_35_KV_BK2 355980 | 16.78 0.97 -0.20 | 16.68 0.81 -2.96 | 14.73 0.75 -1.84 | 14.89 0.64 -3.75 | 14.81 0.65 -3.80 | 15.17 0.74 -3.45 | 13.97 0.85 0.00 | 15.56 0.89 0.00 | 18.23 1.06 -0.26 | 22.09 1.11 -3.83 | 21.26 1.32 -0.57 | 20.60 1.30 -0.15 | 20.74 1.25 0.00 | 20.67 1.24 0.00 | 20.87 1.27 0.00 | 20.85 1.22 0.00 | 22.48 1.43 0.00 | 26.70 1.61 -3.03 | 28.30 1.87 -1.46 | 31.19 1.79 -3.79 | 25.88 1.72 -0.31 | 23.38 1.47 -0.36 | 20.96 1.22 0.00 | 18.27 0.94 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 15.55 -0.08 -0.01 | 12.98 -0.08 -0.15 | 12.17 -0.06 -0.09 | 10.66 -0.03 -0.19 | 10.48 -0.06 -0.19 | 11.11 -0.04 -0.17 | 13.06 -0.07 0.00 | 14.63 -0.04 0.00 | 16.90 -0.02 -0.01 | 17.34 0.00 -0.19 | 19.32 -0.08 -0.03 | 18.92 -0.23 -0.01 | 19.18 -0.31 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.91 -0.31 -0.15 | 24.71 -0.32 -0.07 | 25.46 -0.33 -0.19 | 23.56 -0.31 -0.02 | 21.42 -0.15 -0.02 | 19.68 -0.06 0.00 | 17.24 -0.09 0.00 |
| LYONS_FALL_HYD 23570 | 15.87 0.23 -0.01 | 13.32 0.19 -0.22 | 12.44 0.17 -0.13 | 10.91 0.13 -0.27 | 10.77 0.13 -0.28 | 11.42 0.19 -0.25 | 13.36 0.24 0.00 | 14.85 0.18 0.00 | 17.14 0.22 -0.02 | 17.65 0.22 -0.28 | 19.65 0.23 -0.04 | 19.33 0.17 -0.01 | 19.65 0.16 0.00 | 19.58 0.15 0.00 | 19.76 0.16 0.00 | 19.79 0.16 0.00 | 21.20 0.15 0.00 | 22.62 0.33 -0.22 | 25.55 0.47 -0.11 | 26.11 0.41 -0.10 | 24.22 0.36 -0.01 | 21.86 0.30 -0.01 | 20.01 0.28 0.00 | 17.59 0.26 0.00 |
| MADISON___COUNTY_LFGE 323628 | 16.03 0.39 -0.02 | 13.52 0.34 -0.28 | 12.60 0.29 -0.17 | 11.08 0.22 -0.35 | 10.96 0.24 -0.36 | 11.59 0.29 -0.33 | 13.50 0.38 0.00 | 14.95 0.28 0.00 | 17.25 0.32 -0.02 | 17.85 0.34 -0.36 | 19.79 0.37 -0.05 | 19.54 0.38 -0.01 | 19.88 0.39 0.00 | 19.81 0.39 0.00 | 20.03 0.43 0.00 | 20.05 0.41 0.00 | 21.43 0.38 0.00 | 22.92 0.57 -0.29 | 25.83 0.72 -0.14 | 26.60 0.64 -0.36 | 24.46 0.57 -0.03 | 22.06 0.47 -0.03 | 20.13 0.39 0.00 | 17.76 0.43 0.00 |
| MALONE___115KV_TB1 356076 | 15.69 0.06 0.00 | 12.97 0.00 -0.07 | 12.25 0.07 -0.04 | 10.76 0.17 -0.08 | 10.51 0.07 -0.08 | 11.15 0.10 -0.08 | 13.17 0.05 0.00 | 14.89 0.22 0.00 | 17.20 0.29 -0.01 | 17.51 0.27 -0.08 | 19.69 0.31 -0.01 | 19.38 0.23 0.00 | 19.61 0.12 0.00 | 19.50 0.08 0.00 | 19.60 0.00 0.00 | 19.67 0.04 0.00 | 21.20 0.15 0.00 | 22.24 0.11 -0.07 | 25.00 0.00 -0.03 | 25.71 0.03 -0.08 | 23.94 0.07 -0.01 | 21.67 0.11 -0.01 | 19.91 0.18 0.00 | 17.38 0.05 0.00 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| MAPLEWOD_115KV_TB3 80458 | 16.41 0.59 -0.19 | 16.32 0.50 -2.90 | 14.41 0.47 -1.80 | 14.58 0.40 -3.67 | 14.49 0.40 -3.73 | 14.81 0.45 -3.38 | 13.65 0.52 0.00 | 15.20 0.53 0.00 | 17.77 0.61 -0.26 | 21.50 0.60 -3.75 | 20.67 0.74 -0.56 | 20.02 0.73 -0.15 | 20.23 0.74 0.00 | 20.16 0.74 0.00 | 20.34 0.74 0.00 | 20.36 0.73 0.00 | 21.87 0.82 0.00 | 25.96 0.93 -2.97 | 27.47 1.07 -1.43 | 30.32 1.00 -3.72 | 25.09 0.93 -0.30 | 22.72 0.82 -0.35 | 20.39 0.65 0.00 | 17.80 0.47 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 15.46 -0.17 -0.01 | 12.95 -0.14 -0.18 | 12.09 -0.16 -0.11 | 10.58 -0.16 -0.23 | 10.45 -0.13 -0.23 | 11.07 -0.12 -0.21 | 12.99 -0.13 0.00 | 14.45 -0.22 0.00 | 16.68 -0.24 -0.02 | 17.18 -0.21 -0.23 | 19.21 -0.19 -0.03 | 19.00 -0.15 -0.01 | 19.36 -0.14 0.00 | 19.29 -0.14 0.00 | 19.48 -0.12 0.00 | 19.50 -0.14 0.00 | 20.86 -0.19 0.00 | 22.18 -0.07 -0.18 | 24.98 -0.07 -0.09 | 25.35 -0.26 0.00 | 23.62 -0.24 0.00 | 21.36 -0.19 0.00 | 19.54 -0.20 0.00 | 17.17 -0.16 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 15.46 -0.17 -0.01 | 12.95 -0.14 -0.18 | 12.09 -0.16 -0.11 | 10.58 -0.16 -0.23 | 10.45 -0.13 -0.23 | 11.07 -0.12 -0.21 | 12.99 -0.13 0.00 | 14.45 -0.22 0.00 | 16.68 -0.24 -0.02 | 17.18 -0.21 -0.23 | 19.21 -0.19 -0.03 | 19.00 -0.15 -0.01 | 19.36 -0.14 0.00 | 19.29 -0.14 0.00 | 19.48 -0.12 0.00 | 19.50 -0.14 0.00 | 20.86 -0.19 0.00 | 22.18 -0.07 -0.18 | 24.98 -0.07 -0.09 | 25.35 -0.26 0.00 | 23.62 -0.24 0.00 | 21.36 -0.19 0.00 | 19.54 -0.20 0.00 | 17.17 -0.16 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 15.62 0.00 0.00 | 12.92 -0.04 -0.05 | 12.19 0.02 -0.03 | 10.69 0.12 -0.07 | 10.48 0.05 -0.07 | 11.11 0.07 -0.06 | 13.19 0.07 0.00 | 14.86 0.19 0.00 | 17.18 0.27 0.00 | 17.47 0.26 -0.07 | 19.69 0.31 -0.01 | 19.39 0.25 0.00 | 19.67 0.18 0.00 | 19.56 0.14 0.00 | 19.68 0.08 0.00 | 19.75 0.12 0.00 | 21.26 0.21 0.00 | 22.29 0.18 -0.05 | 25.04 0.05 -0.03 | 25.68 0.08 0.00 | 23.93 0.07 0.00 | 21.59 0.04 0.00 | 19.85 0.12 0.00 | 17.35 0.02 0.00 |
| MARSHVLE_115KV_TB1 80742 | 17.13 1.31 -0.20 | 17.01 1.11 -2.99 | 15.04 1.04 -1.86 | 15.18 0.89 -3.78 | 15.10 0.90 -3.84 | 15.51 1.04 -3.49 | 14.34 1.22 0.00 | 15.98 1.31 0.00 | 18.69 1.52 -0.27 | 22.55 1.54 -3.86 | 21.69 1.74 -0.58 | 21.12 1.82 -0.16 | 21.34 1.85 0.00 | 21.31 1.88 0.00 | 21.58 1.98 0.00 | 21.62 1.98 0.00 | 23.30 2.25 0.00 | 27.72 2.60 -3.06 | 29.38 2.95 -1.47 | 32.25 2.82 -3.83 | 26.84 2.67 -0.31 | 24.11 2.20 -0.36 | 21.59 1.86 0.00 | 18.77 1.44 0.00 |
| MARSH_HILL_WT_PWR 323713 | 15.83 0.17 -0.04 | 13.63 0.14 -0.58 | 12.60 0.11 -0.36 | 11.27 0.03 -0.73 | 11.21 0.11 -0.74 | 11.78 0.13 -0.67 | 13.36 0.24 0.00 | 14.67 0.00 0.00 | 16.84 -0.12 -0.05 | 17.74 -0.15 -0.75 | 19.35 -0.13 -0.11 | 19.10 -0.08 -0.03 | 19.59 0.10 0.00 | 19.60 0.17 0.00 | 19.87 0.27 0.00 | 19.95 0.31 0.00 | 21.20 0.15 0.00 | 22.99 0.33 -0.59 | 25.70 0.45 -0.28 | 26.45 0.28 -0.57 | 24.21 0.31 -0.05 | 21.97 0.37 -0.05 | 20.11 0.37 0.00 | 17.95 0.62 0.00 |
| MCINTYRE_115KV_TB2 80467 | 15.56 -0.06 -0.01 | 12.91 -0.08 -0.08 | 12.15 -0.04 -0.05 | 10.63 0.02 -0.11 | 10.41 -0.05 -0.11 | 11.04 -0.03 -0.10 | 13.03 -0.09 0.00 | 14.70 0.03 0.00 | 16.98 0.07 -0.01 | 17.32 0.07 -0.11 | 19.41 0.02 -0.02 | 19.03 -0.11 0.00 | 19.26 -0.23 0.00 | 19.17 -0.25 0.00 | 19.27 -0.33 0.00 | 19.30 -0.33 0.00 | 20.78 -0.27 0.00 | 21.82 -0.33 -0.08 | 24.61 -0.40 -0.04 | 25.35 -0.36 -0.11 | 23.56 -0.31 -0.01 | 21.43 -0.13 -0.01 | 19.76 0.02 0.00 | 17.28 -0.05 0.00 |
| MECO____69_KV_BK1 80468 | 17.40 1.58 -0.20 | 17.20 1.30 -2.99 | 15.22 1.23 -1.86 | 15.35 1.06 -3.78 | 15.25 1.06 -3.84 | 15.74 1.27 -3.49 | 14.58 1.46 0.00 | 16.25 1.58 0.00 | 19.03 1.86 -0.27 | 22.86 1.85 -3.86 | 22.04 2.09 -0.58 | 21.54 2.24 -0.16 | 21.77 2.28 0.00 | 21.74 2.31 0.00 | 22.05 2.45 0.00 | 22.09 2.45 0.00 | 23.83 2.78 0.00 | 28.34 3.22 -3.06 | 30.06 3.62 -1.47 | 32.83 3.41 -3.83 | 27.46 3.29 -0.31 | 24.63 2.72 -0.36 | 22.02 2.29 0.00 | 19.12 1.79 0.00 |
| MENANDS__115KV_TB5 355628 | 16.33 0.52 -0.19 | 16.25 0.44 -2.90 | 14.36 0.42 -1.80 | 14.52 0.35 -3.67 | 14.44 0.36 -3.72 | 14.75 0.40 -3.38 | 13.58 0.46 0.00 | 15.12 0.45 0.00 | 17.69 0.52 -0.26 | 21.39 0.50 -3.74 | 20.55 0.62 -0.56 | 19.91 0.61 -0.15 | 20.12 0.62 0.00 | 20.05 0.62 0.00 | 20.23 0.63 0.00 | 20.24 0.61 0.00 | 21.73 0.67 0.00 | 25.80 0.77 -2.96 | 27.27 0.87 -1.43 | 30.13 0.82 -3.71 | 24.92 0.76 -0.30 | 22.57 0.67 -0.35 | 20.25 0.51 0.00 | 17.69 0.36 0.00 |
| MG INDUSTRY__DRP 24185 | 16.37 0.56 -0.19 | 16.23 0.48 -2.84 | 14.36 0.46 -1.76 | 14.49 0.39 -3.59 | 14.40 0.39 -3.65 | 14.73 0.44 -3.31 | 13.63 0.51 0.00 | 15.18 0.51 0.00 | 17.75 0.59 -0.25 | 21.38 0.57 -3.67 | 20.60 0.68 -0.55 | 19.98 0.69 -0.15 | 20.17 0.68 0.00 | 20.10 0.68 0.00 | 20.30 0.71 0.00 | 20.32 0.69 0.00 | 21.81 0.76 0.00 | 25.83 0.86 -2.90 | 27.34 0.97 -1.40 | 30.14 0.90 -3.64 | 25.01 0.86 -0.29 | 22.65 0.75 -0.35 | 20.35 0.61 0.00 | 17.80 0.47 0.00 |
| MID__OSWEGATCHIE_HYD 23849 | 15.55 -0.08 -0.01 | 12.98 -0.08 -0.15 | 12.17 -0.06 -0.09 | 10.66 -0.03 -0.19 | 10.48 -0.06 -0.19 | 11.11 -0.04 -0.17 | 13.06 -0.07 0.00 | 14.63 -0.04 0.00 | 16.90 -0.02 -0.01 | 17.34 0.00 -0.19 | 19.32 -0.08 -0.03 | 18.92 -0.23 -0.01 | 19.18 -0.31 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.91 -0.31 -0.15 | 24.71 -0.32 -0.07 | 25.46 -0.33 -0.19 | 23.56 -0.31 -0.02 | 21.42 -0.15 -0.02 | 19.68 -0.06 0.00 | 17.24 -0.09 0.00 |
| MID__RAQUETTE_HYD 23851 | 15.42 -0.20 -0.01 | 12.81 -0.19 -0.09 | 12.05 -0.15 -0.06 | 10.55 -0.07 -0.12 | 10.34 -0.13 -0.12 | 10.95 -0.13 -0.11 | 12.91 -0.21 0.00 | 14.57 -0.10 0.00 | 16.83 -0.08 -0.01 | 17.20 -0.07 -0.12 | 19.22 -0.17 -0.02 | 18.77 -0.38 0.00 | 19.00 -0.49 0.00 | 18.90 -0.52 0.00 | 19.01 -0.59 0.00 | 19.03 -0.61 0.00 | 20.48 -0.57 0.00 | 21.47 -0.68 -0.09 | 24.21 -0.80 -0.05 | 24.93 -0.79 -0.12 | 23.15 -0.72 -0.01 | 21.17 -0.39 -0.01 | 19.54 -0.20 0.00 | 17.11 -0.23 0.00 |
| MILLIKEN__1 23584 | 16.02 0.36 -0.04 | 13.79 0.31 -0.58 | 12.76 0.27 -0.36 | 11.43 0.20 -0.73 | 11.33 0.24 -0.74 | 11.91 0.26 -0.67 | 13.49 0.37 0.00 | 14.95 0.28 0.00 | 17.24 0.29 -0.05 | 18.17 0.27 -0.74 | 19.77 0.29 -0.11 | 19.50 0.33 -0.03 | 19.84 0.35 0.00 | 19.79 0.37 0.00 | 20.03 0.43 0.00 | 20.09 0.45 0.00 | 21.43 0.38 0.00 | 23.27 0.62 -0.59 | 26.00 0.75 -0.28 | 27.06 0.72 -0.74 | 24.54 0.62 -0.06 | 22.12 0.50 -0.07 | 20.15 0.41 0.00 | 17.80 0.47 0.00 |
| MILLIKEN__2 23585 | 16.02 0.36 -0.04 | 13.79 0.31 -0.58 | 12.76 0.27 -0.36 | 11.43 0.20 -0.73 | 11.33 0.24 -0.74 | 11.91 0.26 -0.67 | 13.49 0.37 0.00 | 14.95 0.28 0.00 | 17.24 0.29 -0.05 | 18.17 0.27 -0.74 | 19.77 0.29 -0.11 | 19.50 0.33 -0.03 | 19.84 0.35 0.00 | 19.79 0.37 0.00 | 20.03 0.43 0.00 | 20.09 0.45 0.00 | 21.43 0.38 0.00 | 23.27 0.62 -0.59 | 26.00 0.75 -0.28 | 27.06 0.72 -0.74 | 24.54 0.62 -0.06 | 22.12 0.50 -0.07 | 20.15 0.41 0.00 | 17.80 0.47 0.00 |
| MILLIKEN__DIESEL 23629 | 16.02 0.36 -0.04 | 13.79 0.31 -0.58 | 12.76 0.27 -0.36 | 11.43 0.20 -0.73 | 11.33 0.24 -0.74 | 11.91 0.26 -0.67 | 13.49 0.37 0.00 | 14.95 0.28 0.00 | 17.24 0.29 -0.05 | 18.17 0.27 -0.74 | 19.77 0.29 -0.11 | 19.50 0.33 -0.03 | 19.84 0.35 0.00 | 19.79 0.37 0.00 | 20.03 0.43 0.00 | 20.09 0.45 0.00 | 21.43 0.38 0.00 | 23.27 0.62 -0.59 | 26.00 0.75 -0.28 | 27.06 0.72 -0.74 | 24.54 0.62 -0.06 | 22.12 0.50 -0.07 | 20.15 0.41 0.00 | 17.80 0.47 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------------------|
| MILLSEAT___LFGE 323607 | 15.68 0.03 -0.03 | 13.49 0.14 -0.44 | 12.52 0.11 -0.28 | 11.10 0.03 -0.56 | 11.02 0.09 -0.57 | 11.61 0.11 -0.52 | 13.21 0.09 0.00 | 14.38 -0.29 0.00 | 16.52 -0.42 -0.04 | 17.29 -0.43 -0.57 | 18.88 -0.58 -0.09 | 18.59 -0.57 -0.02 | 19.10 -0.39 0.00 | 19.13 -0.29 0.00 | 19.40 -0.20 0.00 | 19.50 -0.14 0.00 | 20.69 -0.36 0.00 | 22.45 -0.07 -0.45 | 25.16 -0.02 -0.22 | 25.66 -0.33 -0.39 | 23.65 -0.24 -0.03 | 21.39 -0.19 -0.04 | 19.70 -0.04 0.00 | 17.73 0.40 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 16.72 0.95 -0.15 | 15.94 0.75 -2.28 | 14.23 0.68 -1.42 | 13.98 0.59 -2.88 | 13.86 0.58 -2.93 | 14.23 0.59 -2.66 | 13.90 0.77 0.00 | 15.45 0.78 0.00 | 18.00 0.90 -0.20 | 21.05 0.96 -2.94 | 20.95 1.14 -0.44 | 20.45 1.19 -0.12 | 20.74 1.25 0.00 | 20.67 1.24 0.00 | 20.85 1.25 0.00 | 20.87 1.24 0.00 | 22.42 1.37 0.00 | 25.87 1.48 -2.33 | 27.74 1.65 -1.12 | 30.08 1.56 -2.92 | 25.57 1.48 -0.24 | 23.14 1.31 -0.28 | 20.84 1.11 0.00 | 18.09 0.76 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 16.76 0.98 -0.15 | 15.96 0.77 -2.28 | 14.26 0.70 -1.42 | 13.99 0.60 -2.88 | 13.87 0.59 -2.93 | 14.24 0.60 -2.66 | 13.91 0.79 0.00 | 15.46 0.79 0.00 | 18.02 0.91 -0.20 | 21.09 0.99 -2.94 | 20.99 1.18 -0.44 | 20.47 1.21 -0.12 | 20.76 1.27 0.00 | 20.69 1.26 0.00 | 20.87 1.27 0.00 | 20.89 1.26 0.00 | 22.44 1.39 0.00 | 25.92 1.52 -2.33 | 27.79 1.70 -1.12 | 30.16 1.64 -2.92 | 25.62 1.53 -0.24 | 23.19 1.36 -0.28 | 20.86 1.12 0.00 | 18.11 0.78 0.00 |
| MODEL_CITY_ENERGY 24167 | 15.34 -0.31 -0.03 | 13.24 -0.13 -0.46 | 12.29 -0.13 -0.28 | 10.90 -0.19 -0.58 | 10.82 -0.12 -0.59 | 11.39 -0.12 -0.53 | 12.91 -0.21 0.00 | 14.04 -0.63 0.00 | 16.12 -0.83 -0.04 | 16.90 -0.84 -0.59 | 18.39 -1.07 -0.09 | 18.13 -1.03 -0.02 | 18.63 -0.86 0.00 | 18.67 -0.76 0.00 | 18.95 -0.65 0.00 | 19.03 -0.61 0.00 | 20.19 -0.86 0.00 | 21.89 -0.64 -0.47 | 24.47 -0.72 -0.23 | 24.96 -1.05 -0.41 | 23.01 -0.88 -0.03 | 20.84 -0.75 -0.04 | 19.20 -0.53 0.00 | 17.37 0.03 0.00 |
| MODERN_LFGE___ 323580 | 15.34 -0.31 -0.03 | 13.24 -0.13 -0.46 | 12.29 -0.13 -0.28 | 10.90 -0.19 -0.58 | 10.82 -0.12 -0.59 | 11.39 -0.12 -0.53 | 12.91 -0.21 0.00 | 14.04 -0.63 0.00 | 16.12 -0.83 -0.04 | 16.90 -0.84 -0.59 | 18.39 -1.07 -0.09 | 18.13 -1.03 -0.02 | 18.63 -0.86 0.00 | 18.67 -0.76 0.00 | 18.95 -0.65 0.00 | 19.03 -0.61 0.00 | 20.19 -0.86 0.00 | 21.89 -0.64 -0.47 | 24.47 -0.72 -0.23 | 24.96 -1.05 -0.41 | 23.01 -0.88 -0.03 | 20.84 -0.75 -0.04 | 19.20 -0.53 0.00 | 17.37 0.03 0.00 |
| MOHAWK_PAPER___DRP 24187 | 16.41 0.59 -0.19 | 16.32 0.50 -2.90 | 14.41 0.47 -1.80 | 14.58 0.40 -3.67 | 14.49 0.40 -3.73 | 14.81 0.45 -3.38 | 13.65 0.52 0.00 | 15.20 0.53 0.00 | 17.77 0.61 -0.26 | 21.50 0.60 -3.75 | 20.67 0.74 -0.56 | 20.02 0.73 -0.15 | 20.23 0.74 0.00 | 20.16 0.74 0.00 | 20.34 0.74 0.00 | 20.36 0.73 0.00 | 21.87 0.82 0.00 | 25.96 0.93 -2.97 | 27.47 1.07 -1.43 | 30.32 1.00 -3.72 | 25.09 0.93 -0.30 | 22.72 0.82 -0.35 | 20.39 0.65 0.00 | 17.80 0.47 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 16.97 1.16 -0.20 | 16.83 0.96 -2.97 | 14.88 0.90 -1.84 | 15.01 0.76 -3.75 | 14.93 0.77 -3.81 | 15.32 0.89 -3.46 | 14.14 1.02 0.00 | 15.77 1.10 0.00 | 18.50 1.34 -0.26 | 22.38 1.41 -3.83 | 21.63 1.69 -0.57 | 20.94 1.65 -0.15 | 20.99 1.50 0.00 | 20.92 1.50 0.00 | 21.09 1.49 0.00 | 21.03 1.39 0.00 | 22.82 1.77 0.00 | 27.10 2.01 -3.03 | 28.82 2.40 -1.46 | 31.70 2.30 -3.80 | 26.36 2.19 -0.31 | 23.77 1.85 -0.36 | 21.27 1.54 0.00 | 18.53 1.20 0.00 |
| MONGAUP___HYD 23641 | 16.58 0.83 -0.14 | 15.60 0.65 -2.05 | 13.99 0.58 -1.27 | 13.60 0.50 -2.59 | 13.50 0.51 -2.63 | 13.86 0.49 -2.39 | 13.75 0.63 0.00 | 15.30 0.63 0.00 | 17.81 0.73 -0.18 | 20.53 0.74 -2.65 | 20.64 0.87 -0.40 | 20.15 0.90 -0.11 | 20.43 0.94 0.00 | 20.36 0.93 0.00 | 20.54 0.94 0.00 | 20.58 0.94 0.00 | 22.12 1.07 0.00 | 25.35 1.19 -2.09 | 27.40 1.42 -1.01 | 29.36 1.25 -2.51 | 25.25 1.19 -0.20 | 22.85 1.06 -0.24 | 20.56 0.83 0.00 | 17.94 0.61 0.00 |
| MONTAUK___DIESEL 23721 | 17.80 2.03 -0.15 | 16.77 1.56 -2.30 | 14.99 1.43 -1.43 | 14.64 1.23 -2.91 | 14.49 1.18 -2.95 | 14.88 1.22 -2.68 | 14.95 1.82 0.00 | 16.33 1.66 0.00 | 19.19 2.08 -0.20 | 22.26 2.14 -2.97 | 22.64 2.81 -0.46 | 22.13 2.85 -0.14 | 23.28 2.98 -0.80 | 24.95 2.99 -2.53 | 25.38 3.02 -2.76 | 26.44 3.08 -3.72 | 29.00 3.35 -4.61 | 30.92 3.55 -5.30 | 31.56 4.02 -2.58 | 33.89 3.99 -4.30 | 28.27 3.60 -0.81 | 25.56 3.15 -0.86 | 22.32 2.59 0.00 | 19.08 1.75 0.00 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 15.65 0.00 -0.03 | 13.43 0.01 -0.51 | 12.47 0.02 -0.31 | 11.11 -0.03 -0.64 | 11.06 0.05 -0.65 | 11.65 0.08 -0.59 | 13.29 0.17 0.00 | 14.51 -0.16 0.00 | 16.59 -0.35 -0.05 | 17.44 -0.36 -0.65 | 18.91 -0.56 -0.10 | 18.79 -0.38 -0.03 | 19.36 -0.14 0.00 | 19.39 -0.04 0.00 | 19.68 0.08 0.00 | 19.77 0.14 0.00 | 21.03 -0.02 0.00 | 22.71 0.13 -0.52 | 25.37 0.15 -0.25 | 26.07 -0.18 -0.65 | 23.84 -0.07 -0.05 | 21.42 -0.19 -0.06 | 19.81 0.08 0.00 | 17.95 0.62 0.00 |
| MORTIMER_115KV_TB3 55949 | 15.71 0.06 -0.03 | 13.48 0.17 -0.40 | 12.52 0.13 -0.25 | 11.09 0.07 -0.51 | 10.99 0.11 -0.52 | 11.57 0.12 -0.47 | 13.23 0.10 0.00 | 14.51 -0.16 0.00 | 16.75 -0.19 -0.04 | 17.46 -0.21 -0.52 | 19.18 -0.27 -0.08 | 18.82 -0.34 -0.02 | 19.30 -0.19 0.00 | 19.27 -0.16 0.00 | 19.52 -0.08 0.00 | 19.60 -0.04 0.00 | 20.86 -0.19 0.00 | 22.58 0.11 -0.41 | 25.34 0.17 -0.20 | 26.09 -0.03 -0.51 | 23.90 0.00 -0.04 | 21.49 -0.11 -0.05 | 19.64 -0.10 0.00 | 17.61 0.28 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 16.85 1.08 -0.15 | 16.04 0.84 -2.30 | 14.33 0.76 -1.43 | 14.06 0.65 -2.91 | 13.96 0.65 -2.95 | 14.33 0.67 -2.68 | 13.99 0.87 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.92 1.82 -1.13 | 30.31 1.77 -2.94 | 25.77 1.67 -0.24 | 23.32 1.49 -0.28 | 21.02 1.28 0.00 | 18.21 0.88 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 16.71 1.03 -0.06 | 14.60 0.85 -0.84 | 13.42 0.77 -0.52 | 12.19 0.62 -1.06 | 12.06 0.62 -1.08 | 12.70 0.75 -0.98 | 14.07 0.95 0.00 | 15.56 0.89 0.00 | 17.99 1.01 -0.07 | 19.26 1.03 -1.08 | 20.72 1.18 -0.16 | 20.36 1.17 -0.04 | 20.64 1.15 0.00 | 20.59 1.17 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.29 1.24 0.00 | 24.53 1.61 -0.86 | 27.43 2.05 -0.41 | 28.56 2.05 -0.91 | 25.79 1.86 -0.07 | 23.23 1.59 -0.09 | 21.14 1.40 0.00 | 18.63 1.30 0.00 |
| N SALMON___HYD 24042 | 15.69 0.06 0.00 | 12.97 0.00 -0.07 | 12.25 0.07 -0.04 | 10.76 0.17 -0.08 | 10.51 0.07 -0.08 | 11.15 0.10 -0.08 | 13.20 0.08 0.00 | 14.89 0.22 0.00 | 17.23 0.32 -0.01 | 17.51 0.27 -0.08 | 19.69 0.31 -0.01 | 19.36 0.21 0.00 | 19.61 0.12 0.00 | 19.50 0.08 0.00 | 19.60 0.00 0.00 | 19.67 0.04 0.00 | 21.20 0.15 0.00 | 22.24 0.11 -0.07 | 25.00 0.00 -0.03 | 25.65 0.05 0.00 | 23.93 0.07 0.00 | 21.64 0.09 0.00 | 19.91 0.18 0.00 | 17.38 0.05 0.00 |
| N.AKRON___115KV_KNAPP 355671 | 15.68 0.03 -0.03 | 13.50 0.14 -0.45 | 12.53 0.12 -0.28 | 11.10 0.03 -0.56 | 11.02 0.09 -0.57 | 11.61 0.11 -0.52 | 13.27 0.14 0.00 | 14.39 -0.28 0.00 | 16.54 -0.41 -0.04 | 17.28 -0.45 -0.58 | 18.86 -0.60 -0.09 | 18.55 -0.61 -0.02 | 19.10 -0.39 0.00 | 19.13 -0.29 0.00 | 19.40 -0.20 0.00 | 19.50 -0.14 0.00 | 20.69 -0.36 0.00 | 22.45 -0.07 -0.46 | 25.16 -0.02 -0.22 | 25.84 -0.33 -0.57 | 23.66 -0.24 -0.05 | 21.26 -0.34 -0.05 | 19.52 -0.22 0.00 | 17.73 0.40 0.00 |

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| N.BELMOR_69_KV_BK1 55787 | 17.01 1.23 -0.15 | 16.12 0.92 -2.30 | 14.40 0.84 -1.43 | 14.13 0.71 -2.91 | 13.99 0.68 -2.95 | 14.36 0.70 -2.68 | 14.18 1.06 0.00 | 15.62 0.95 0.00 | 18.31 1.20 -0.20 | 21.37 1.25 -2.97 | 21.48 1.65 -0.46 | 20.96 1.68 -0.14 | 22.07 1.77 -0.80 | 23.73 1.77 -2.53 | 24.14 1.78 -2.76 | 25.12 1.77 -3.72 | 27.57 1.92 -4.61 | 29.44 2.07 -5.30 | 29.87 2.32 -2.58 | 32.15 2.25 -4.30 | 26.77 2.10 -0.81 | 24.31 1.90 -0.86 | 21.27 1.54 0.00 | 18.28 0.95 0.00 |
| N.E_GEN_SANDY PD 24062 | 16.53 0.73 -0.17 | 16.16 0.62 -2.63 | 14.35 0.58 -1.63 | 14.32 0.48 -3.33 | 14.22 0.49 -3.38 | 14.56 0.52 -3.07 | 13.73 0.60 0.00 | 15.30 0.63 0.00 | 17.86 0.73 -0.23 | 21.30 0.75 -3.40 | 20.77 0.89 -0.51 | 20.16 0.88 -0.14 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.48 0.88 0.00 | 20.50 0.86 0.00 | 22.00 0.95 0.00 | 25.79 1.04 -2.69 | 27.46 1.20 -1.29 | 30.00 1.15 -3.24 | 25.17 1.05 -0.26 | 22.87 1.01 -0.31 | 20.49 0.75 0.00 | 17.88 0.55 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 16.70 0.94 -0.15 | 15.84 0.74 -2.20 | 14.17 0.67 -1.36 | 13.85 0.57 -2.78 | 13.75 0.57 -2.82 | 14.12 0.58 -2.56 | 13.87 0.75 0.00 | 15.43 0.76 0.00 | 17.96 0.86 -0.20 | 20.89 0.91 -2.84 | 20.88 1.08 -0.42 | 20.39 1.13 -0.11 | 20.68 1.19 0.00 | 20.63 1.20 0.00 | 20.81 1.22 0.00 | 20.83 1.20 0.00 | 22.38 1.33 0.00 | 25.74 1.43 -2.24 | 27.65 1.60 -1.08 | 29.92 1.51 -2.81 | 25.52 1.43 -0.23 | 23.09 1.27 -0.27 | 20.80 1.07 0.00 | 18.08 0.75 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 17.09 1.31 -0.16 | 16.25 1.03 -2.31 | 14.53 0.96 -1.44 | 14.25 0.83 -2.91 | 14.12 0.81 -2.96 | 14.51 0.85 -2.69 | 14.17 1.04 -0.01 | 15.69 1.01 -0.01 | 18.19 1.06 -0.22 | 21.31 1.18 -2.98 | 21.22 1.39 -0.46 | 20.78 1.51 -0.13 | 21.14 1.64 -0.01 | 21.06 1.63 -0.01 | 21.27 1.67 -0.01 | 21.29 1.65 -0.01 | 22.83 1.77 -0.01 | 26.32 1.90 -2.36 | 28.25 2.15 -1.14 | 30.65 2.10 -2.95 | 26.06 1.96 -0.25 | 23.63 1.79 -0.29 | 21.28 1.54 -0.01 | 18.52 1.18 -0.01 |
| N.TROY___115KV_TB1 355778 | 16.53 0.72 -0.19 | 16.45 0.62 -2.93 | 14.52 0.57 -1.82 | 14.69 0.48 -3.70 | 14.60 0.49 -3.75 | 14.93 0.54 -3.41 | 13.75 0.63 0.00 | 15.32 0.65 0.00 | 17.93 0.76 -0.26 | 21.70 0.77 -3.78 | 20.85 0.91 -0.56 | 20.20 0.90 -0.15 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.48 0.88 0.00 | 20.50 0.86 0.00 | 22.04 0.99 0.00 | 26.16 1.10 -2.99 | 27.70 1.30 -1.44 | 30.57 1.23 -3.74 | 25.31 1.15 -0.30 | 22.92 1.01 -0.36 | 20.54 0.81 0.00 | 17.94 0.61 0.00 |
| NARROWS_GT1_1 24228 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT1_2 24229 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT1_3 24230 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT1_4 24231 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT1_5 24232 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT1_6 24233 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT1_7 24234 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT1_8 24235 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT2_1 24236 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT2_2 24237 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| NARROWS_GT2_3 24238 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT2_4 24239 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT2_5 24240 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT2_6 24241 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT2_7 24242 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NARROWS_GT2_8 24243 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 16.53 0.73 -0.18 | 16.13 0.50 -2.72 | 14.31 0.49 -1.69 | 14.37 0.42 -3.44 | 14.29 0.44 -3.49 | 14.61 0.46 -3.17 | 13.75 0.63 0.00 | 15.30 0.63 0.00 | 17.86 0.71 -0.24 | 21.23 0.57 -3.51 | 20.57 0.68 -0.52 | 20.07 0.78 -0.14 | 20.27 0.78 0.00 | 20.20 0.78 0.00 | 20.38 0.78 0.00 | 20.42 0.79 0.00 | 22.00 0.95 0.00 | 25.79 0.95 -2.78 | 27.48 1.17 -1.34 | 30.14 1.05 -3.48 | 25.12 0.98 -0.28 | 22.74 0.86 -0.33 | 20.45 0.71 0.00 | 17.88 0.55 0.00 |
| NCHELSEA_115KV_TR2 355582 | 16.74 0.97 -0.15 | 15.97 0.76 -2.30 | 14.26 0.69 -1.43 | 14.02 0.60 -2.91 | 13.90 0.59 -2.96 | 14.26 0.59 -2.68 | 13.88 0.76 0.00 | 15.43 0.76 0.00 | 18.01 0.90 -0.20 | 21.05 0.93 -2.97 | 20.92 1.10 -0.44 | 20.39 1.13 -0.12 | 20.68 1.19 0.00 | 20.61 1.18 0.00 | 20.78 1.18 0.00 | 20.81 1.18 0.00 | 22.36 1.31 0.00 | 25.83 1.41 -2.35 | 27.72 1.62 -1.13 | 30.09 1.54 -2.95 | 25.53 1.43 -0.24 | 23.10 1.27 -0.28 | 20.78 1.05 0.00 | 18.08 0.75 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 16.77 0.95 -0.19 | 16.65 0.79 -2.95 | 14.71 0.74 -1.83 | 14.86 0.62 -3.73 | 14.78 0.63 -3.79 | 15.13 0.71 -3.44 | 13.97 0.85 0.00 | 15.53 0.87 0.00 | 18.20 1.03 -0.26 | 22.04 1.08 -3.81 | 21.24 1.30 -0.57 | 20.58 1.28 -0.15 | 20.72 1.23 0.00 | 20.65 1.22 0.00 | 20.85 1.26 0.00 | 20.85 1.22 0.00 | 22.46 1.41 0.00 | 26.67 1.59 -3.02 | 28.27 1.85 -1.45 | 30.99 1.74 -3.65 | 25.82 1.67 -0.30 | 23.34 1.44 -0.35 | 20.88 1.14 0.00 | 18.23 0.90 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 15.43 -0.22 -0.03 | 13.21 -0.09 -0.40 | 12.27 -0.11 -0.25 | 10.87 -0.14 -0.50 | 10.77 -0.09 -0.51 | 11.34 -0.10 -0.46 | 12.98 -0.14 0.00 | 14.29 -0.38 0.00 | 16.50 -0.44 -0.04 | 17.21 -0.45 -0.51 | 18.87 -0.58 -0.08 | 18.61 -0.56 -0.02 | 19.02 -0.47 0.00 | 19.00 -0.43 0.00 | 19.23 -0.37 0.00 | 19.28 -0.35 0.00 | 20.53 -0.53 0.00 | 22.23 -0.24 -0.41 | 24.94 -0.23 -0.20 | 25.55 -0.38 -0.33 | 23.50 -0.38 -0.03 | 21.20 -0.39 -0.03 | 19.40 -0.34 0.00 | 17.24 -0.09 0.00 |
| NEG CENTRAL___DRP 24199 | 15.77 0.12 -0.03 | 13.45 0.12 -0.42 | 12.49 0.10 -0.26 | 11.08 0.04 -0.53 | 10.99 0.09 -0.54 | 11.57 0.10 -0.49 | 13.29 0.17 0.00 | 14.68 0.01 0.00 | 16.92 -0.02 -0.04 | 17.66 -0.03 -0.55 | 19.39 -0.06 -0.08 | 19.13 -0.04 -0.02 | 19.51 0.02 0.00 | 19.48 0.06 0.00 | 19.70 0.10 0.00 | 19.77 0.14 0.00 | 21.09 0.04 0.00 | 22.76 0.26 -0.43 | 25.52 0.35 -0.21 | 26.40 0.26 -0.54 | 24.12 0.21 -0.04 | 21.71 0.11 -0.05 | 19.83 0.10 0.00 | 17.57 0.24 0.00 |
| NEG CENTRAL___INDECK 23768 | 16.12 0.47 -0.03 | 13.85 0.44 -0.51 | 12.84 0.39 -0.32 | 11.43 0.28 -0.64 | 11.36 0.35 -0.65 | 11.94 0.37 -0.59 | 13.59 0.47 0.00 | 14.90 0.23 0.00 | 17.14 0.19 -0.05 | 17.93 0.12 -0.66 | 19.55 0.08 -0.10 | 19.27 0.10 -0.03 | 19.73 0.23 0.00 | 19.72 0.29 0.00 | 19.99 0.39 0.00 | 20.11 0.47 0.00 | 21.39 0.34 0.00 | 23.31 0.73 -0.52 | 26.19 0.97 -0.25 | 26.92 0.84 -0.48 | 24.68 0.79 -0.04 | 22.29 0.69 -0.05 | 20.41 0.67 0.00 | 18.16 0.83 0.00 |
| NEG CENTRAL___SENECA 23627 | 15.84 0.19 -0.03 | 13.53 0.17 -0.45 | 12.55 0.13 -0.28 | 11.15 0.07 -0.57 | 11.07 0.13 -0.58 | 11.65 0.14 -0.53 | 13.34 0.22 0.00 | 14.71 0.04 0.00 | 16.94 0.00 -0.04 | 17.71 -0.02 -0.58 | 19.42 -0.04 -0.09 | 19.15 -0.02 0.00 | 19.55 0.06 0.00 | 19.52 0.10 0.00 | 19.78 0.18 0.00 | 19.85 0.22 0.00 | 21.16 0.11 0.00 | 22.88 0.35 -0.46 | 25.66 0.47 -0.22 | 26.54 0.36 -0.58 | 24.21 0.31 -0.05 | 21.80 0.19 -0.05 | 19.89 0.16 0.00 | 17.69 0.36 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 15.84 0.19 -0.03 | 13.49 0.17 -0.42 | 12.54 0.15 -0.26 | 11.13 0.09 -0.53 | 11.03 0.13 -0.54 | 11.62 0.15 -0.49 | 13.34 0.22 0.00 | 14.79 0.12 0.00 | 17.06 0.12 -0.04 | 17.79 0.10 -0.54 | 19.57 0.12 -0.08 | 19.30 0.13 -0.02 | 19.67 0.18 0.00 | 19.64 0.21 0.00 | 19.83 0.24 0.00 | 19.91 0.27 0.00 | 21.24 0.19 0.00 | 22.91 0.42 -0.43 | 25.70 0.52 -0.21 | 26.60 0.46 -0.53 | 24.28 0.38 -0.04 | 21.88 0.28 -0.05 | 19.95 0.22 0.00 | 17.61 0.28 0.00 |
| NEG MILLWOOD___DRP 24198 | 16.81 1.03 -0.15 | 16.06 0.83 -2.33 | 14.32 0.74 -1.45 | 14.07 0.62 -2.95 | 13.97 0.62 -2.99 | 14.32 0.63 -2.72 | 13.91 0.79 0.00 | 15.46 0.79 0.00 | 18.08 0.96 -0.21 | 21.19 1.03 -3.01 | 21.04 1.22 -0.45 | 20.49 1.23 -0.12 | 20.78 1.29 0.00 | 20.69 1.26 0.00 | 20.87 1.27 0.00 | 20.89 1.26 0.00 | 22.46 1.41 0.00 | 25.99 1.54 -2.38 | 27.89 1.77 -1.15 | 30.30 1.72 -2.98 | 25.67 1.57 -0.24 | 23.24 1.40 -0.28 | 20.86 1.12 0.00 | 18.14 0.81 0.00 |

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|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| NEG NORTH_FLCN_SEA 23793 | 15.81 0.19 0.00 | 13.06 0.10 -0.05 | 12.34 0.17 -0.03 | 10.81 0.24 -0.07 | 10.59 0.17 -0.07 | 11.24 0.20 -0.06 | 13.31 0.18 0.00 | 15.01 0.34 0.00 | 17.35 0.44 0.00 | 17.65 0.43 -0.07 | 19.89 0.50 -0.01 | 19.61 0.46 0.00 | 19.86 0.37 0.00 | 19.76 0.33 0.00 | 19.85 0.25 0.00 | 19.95 0.31 0.00 | 21.49 0.44 0.00 | 22.54 0.42 -0.05 | 25.32 0.32 -0.03 | 26.05 0.38 -0.07 | 24.22 0.36 -0.01 | 21.88 0.32 -0.01 | 20.07 0.34 0.00 | 17.54 0.21 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 15.62 0.00 0.00 | 12.92 -0.04 -0.06 | 12.20 0.02 -0.04 | 10.69 0.12 -0.07 | 10.47 0.04 -0.07 | 11.11 0.07 -0.07 | 13.15 0.03 0.00 | 14.86 0.19 0.00 | 17.16 0.25 -0.01 | 17.46 0.24 -0.07 | 19.67 0.29 -0.01 | 19.40 0.25 0.00 | 19.67 0.18 0.00 | 19.54 0.12 0.00 | 19.66 0.06 0.00 | 19.73 0.10 0.00 | 21.26 0.21 0.00 | 22.28 0.15 -0.06 | 25.04 0.05 -0.03 | 25.75 0.08 -0.07 | 23.93 0.07 -0.01 | 21.62 0.06 -0.01 | 19.85 0.12 0.00 | 17.35 0.02 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 15.81 0.19 0.00 | 13.05 0.09 -0.05 | 12.34 0.17 -0.03 | 10.83 0.25 -0.07 | 10.59 0.17 -0.07 | 11.23 0.19 -0.06 | 13.29 0.17 0.00 | 15.01 0.34 0.00 | 17.33 0.42 0.00 | 17.63 0.41 -0.07 | 19.87 0.48 -0.01 | 19.59 0.44 0.00 | 19.84 0.35 0.00 | 19.74 0.31 0.00 | 19.83 0.24 0.00 | 19.93 0.29 0.00 | 21.47 0.42 0.00 | 22.56 0.44 -0.06 | 25.32 0.32 -0.03 | 26.06 0.38 -0.07 | 24.24 0.38 -0.01 | 21.90 0.34 -0.01 | 20.09 0.36 0.00 | 17.54 0.21 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 15.81 0.19 0.00 | 13.05 0.09 -0.05 | 12.34 0.17 -0.03 | 10.83 0.25 -0.07 | 10.59 0.17 -0.07 | 11.23 0.19 -0.06 | 13.29 0.17 0.00 | 15.01 0.34 0.00 | 17.33 0.42 0.00 | 17.63 0.41 -0.07 | 19.87 0.48 -0.01 | 19.59 0.44 0.00 | 19.84 0.35 0.00 | 19.74 0.31 0.00 | 19.83 0.24 0.00 | 19.93 0.29 0.00 | 21.47 0.42 0.00 | 22.56 0.44 -0.06 | 25.32 0.32 -0.03 | 26.06 0.38 -0.07 | 24.24 0.38 -0.01 | 21.90 0.34 -0.01 | 20.09 0.36 0.00 | 17.54 0.21 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 15.81 0.19 0.00 | 13.05 0.09 -0.05 | 12.34 0.17 -0.03 | 10.83 0.25 -0.07 | 10.59 0.17 -0.07 | 11.23 0.19 -0.06 | 13.31 0.18 0.00 | 15.01 0.34 0.00 | 17.37 0.46 0.00 | 17.63 0.41 -0.07 | 19.87 0.48 -0.01 | 19.59 0.44 0.00 | 19.84 0.35 0.00 | 19.73 0.31 0.00 | 19.84 0.24 0.00 | 19.93 0.29 0.00 | 21.47 0.42 0.00 | 22.56 0.44 -0.06 | 25.32 0.32 -0.03 | 25.99 0.38 0.00 | 24.24 0.38 0.00 | 21.85 0.30 0.00 | 20.09 0.36 0.00 | 17.54 0.21 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 15.48 -0.17 -0.03 | 13.35 -0.01 -0.46 | 12.39 -0.02 -0.28 | 10.99 -0.09 -0.58 | 10.91 -0.03 -0.58 | 11.49 -0.02 -0.53 | 13.10 -0.03 0.00 | 14.19 -0.48 0.00 | 16.29 -0.66 -0.04 | 17.05 -0.69 -0.59 | 18.55 -0.91 -0.09 | 18.27 -0.90 -0.02 | 18.83 -0.66 0.00 | 18.86 -0.56 0.00 | 19.15 -0.45 0.00 | 19.24 -0.39 0.00 | 20.42 -0.63 0.00 | 22.13 -0.40 -0.47 | 24.72 -0.47 -0.22 | 25.39 -0.79 -0.58 | 23.26 -0.64 -0.05 | 20.90 -0.71 -0.06 | 19.22 -0.51 0.00 | 17.54 0.21 0.00 |
| NEG WEST___LANCASTR 23811 | 15.37 -0.28 -0.03 | 12.97 -0.44 -0.50 | 12.02 -0.42 -0.31 | 10.71 -0.43 -0.64 | 10.64 -0.36 -0.65 | 11.20 -0.36 -0.59 | 12.98 -0.14 0.00 | 14.16 -0.51 0.00 | 15.99 -0.96 -0.04 | 16.72 -1.08 -0.65 | 18.09 -1.38 -0.10 | 18.23 -0.94 -0.03 | 18.79 -0.70 0.00 | 18.82 -0.60 0.00 | 19.13 -0.47 0.00 | 19.20 -0.43 0.00 | 20.42 -0.63 0.00 | 21.67 -0.90 -0.51 | 24.19 -1.02 -0.25 | 24.89 -1.36 -0.64 | 22.72 -1.19 -0.05 | 20.51 -1.10 -0.06 | 19.20 -0.53 0.00 | 17.38 0.05 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 15.96 0.28 -0.05 | 13.96 0.22 -0.83 | 12.85 0.19 -0.52 | 11.68 0.13 -1.05 | 11.59 0.17 -1.07 | 12.13 0.19 -0.97 | 13.38 0.26 0.00 | 14.83 0.16 0.00 | 17.10 0.12 -0.07 | 18.32 0.10 -1.07 | 19.67 0.14 -0.16 | 19.36 0.17 -0.04 | 19.73 0.23 0.00 | 19.68 0.25 0.00 | 19.91 0.31 0.00 | 19.97 0.33 0.00 | 21.32 0.27 0.00 | 23.31 0.40 -0.85 | 25.85 0.47 -0.41 | 26.89 0.38 -0.90 | 24.29 0.36 -0.07 | 22.00 0.37 -0.09 | 20.03 0.30 0.00 | 17.68 0.35 0.00 |
| NEG___GEN_MONROE 24207 | 15.74 0.09 -0.03 | 13.50 0.19 -0.40 | 12.56 0.17 -0.25 | 11.10 0.08 -0.51 | 11.00 0.12 -0.52 | 11.59 0.14 -0.47 | 13.25 0.13 0.00 | 14.49 -0.18 0.00 | 16.72 -0.22 -0.04 | 17.43 -0.24 -0.52 | 19.14 -0.31 -0.08 | 18.78 -0.38 -0.02 | 19.26 -0.23 0.00 | 19.19 -0.23 0.00 | 19.42 -0.18 0.00 | 19.52 -0.12 0.00 | 20.80 -0.25 0.00 | 22.52 0.04 -0.41 | 25.22 0.05 -0.20 | 25.99 -0.13 -0.52 | 23.83 -0.07 -0.04 | 21.41 -0.19 -0.05 | 19.60 -0.14 0.00 | 17.64 0.31 0.00 |
| NEPA___ENERGY 23901 | 15.78 0.12 -0.03 | 13.53 0.12 -0.51 | 12.56 0.11 -0.32 | 11.17 0.02 -0.64 | 11.09 0.08 -0.65 | 11.68 0.11 -0.59 | 13.33 0.21 0.00 | 14.54 -0.13 0.00 | 16.61 -0.34 -0.05 | 17.43 -0.38 -0.66 | 18.89 -0.58 -0.10 | 18.73 -0.44 -0.03 | 19.30 -0.19 0.00 | 19.33 -0.10 0.00 | 19.64 0.04 0.00 | 19.73 0.10 0.00 | 20.97 -0.08 0.00 | 22.63 0.04 -0.52 | 25.24 0.02 -0.25 | 25.97 -0.28 -0.65 | 23.72 -0.19 -0.05 | 21.38 -0.24 -0.06 | 19.74 0.00 0.00 | 17.87 0.54 0.00 |
| NEVERSINK___HYD 23608 | 16.52 0.77 -0.13 | 15.48 0.58 -1.99 | 13.88 0.51 -1.24 | 13.47 0.44 -2.52 | 13.36 0.45 -2.56 | 13.72 0.42 -2.32 | 13.67 0.55 0.00 | 15.21 0.54 0.00 | 17.72 0.64 -0.18 | 20.39 0.67 -2.57 | 20.55 0.79 -0.38 | 20.07 0.82 -0.10 | 20.37 0.88 0.00 | 20.28 0.85 0.00 | 20.46 0.86 0.00 | 20.48 0.84 0.00 | 22.02 0.97 0.00 | 25.18 1.08 -2.04 | 27.25 1.30 -0.98 | 29.22 1.18 -2.44 | 25.13 1.07 -0.20 | 22.75 0.97 -0.23 | 20.47 0.73 0.00 | 17.85 0.52 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 16.25 0.44 -0.19 | 16.18 0.37 -2.90 | 14.30 0.36 -1.80 | 14.48 0.30 -3.67 | 14.39 0.31 -3.72 | 14.70 0.34 -3.38 | 13.53 0.41 0.00 | 15.07 0.40 0.00 | 17.62 0.46 -0.26 | 21.31 0.41 -3.75 | 20.45 0.52 -0.56 | 19.83 0.54 -0.15 | 20.02 0.53 0.00 | 19.95 0.52 0.00 | 20.13 0.53 0.00 | 20.15 0.51 0.00 | 21.64 0.59 0.00 | 25.71 0.68 -2.96 | 27.17 0.77 -1.43 | 30.01 0.69 -3.71 | 24.83 0.67 -0.30 | 22.47 0.56 -0.35 | 20.17 0.43 0.00 | 17.63 0.29 0.00 |
| NEWTON___FALLS_HYD 23847 | 15.55 -0.08 -0.01 | 12.98 -0.08 -0.15 | 12.17 -0.06 -0.09 | 10.66 -0.03 -0.19 | 10.48 -0.06 -0.19 | 11.11 -0.04 -0.17 | 13.06 -0.07 0.00 | 14.63 -0.04 0.00 | 16.90 -0.02 -0.01 | 17.34 0.00 -0.19 | 19.32 -0.08 -0.03 | 18.92 -0.23 -0.01 | 19.18 -0.31 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.91 -0.31 -0.15 | 24.71 -0.32 -0.07 | 25.46 -0.33 -0.19 | 23.56 -0.31 -0.02 | 21.42 -0.15 -0.02 | 19.68 -0.06 0.00 | 17.24 -0.09 0.00 |
| NGRID_A1_DSASP 323792 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.39 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.91 -0.21 0.00 | 13.95 -0.72 0.00 | 16.03 -0.91 -0.04 | 16.83 -0.91 -0.59 | 18.26 -1.20 -0.09 | 18.02 -1.15 -0.02 | 18.52 -0.97 0.00 | 18.55 -0.87 0.00 | 18.81 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.76 -0.77 -0.47 | 24.32 -0.87 -0.23 | 24.79 -1.23 -0.41 | 22.84 -1.05 -0.03 | 20.69 -0.90 -0.04 | 19.06 -0.67 0.00 | 17.31 -0.02 0.00 |
| NGRID_A2_DSASP 323793 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.39 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.91 -0.21 0.00 | 13.95 -0.72 0.00 | 16.03 -0.91 -0.04 | 16.83 -0.91 -0.59 | 18.26 -1.20 -0.09 | 18.02 -1.15 -0.02 | 18.52 -0.97 0.00 | 18.55 -0.87 0.00 | 18.81 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.76 -0.77 -0.47 | 24.32 -0.87 -0.23 | 24.79 -1.23 -0.41 | 22.84 -1.05 -0.03 | 20.69 -0.90 -0.04 | 19.06 -0.67 0.00 | 17.31 -0.02 0.00 |

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|------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| NGRID_A4_DSASP 323807 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.38 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.86 -0.26 0.00 | 13.95 -0.72 0.00 | 16.05 -0.90 -0.04 | 16.82 -0.93 -0.59 | 18.28 -1.18 -0.09 | 17.96 -1.21 -0.02 | 18.50 -0.99 0.00 | 18.55 -0.87 0.00 | 18.82 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.78 -0.75 -0.47 | 24.32 -0.87 -0.23 | 24.96 -1.23 -0.59 | 22.86 -1.05 -0.05 | 20.55 -1.06 -0.06 | 18.89 -0.85 0.00 | 17.31 -0.02 0.00 |
| NIAGARA_115E_LBMP 323715 | 15.26 -0.39 -0.03 | 13.17 -0.19 -0.46 | 12.23 -0.19 -0.29 | 10.85 -0.24 -0.58 | 10.77 -0.18 -0.59 | 11.34 -0.18 -0.54 | 12.85 -0.28 0.00 | 13.97 -0.70 0.00 | 16.03 -0.91 -0.04 | 16.82 -0.93 -0.60 | 18.28 -1.18 -0.09 | 18.04 -1.13 -0.02 | 18.54 -0.95 0.00 | 18.57 -0.85 0.00 | 18.83 -0.76 0.00 | 18.93 -0.71 0.00 | 20.08 -0.97 0.00 | 21.78 -0.75 -0.47 | 24.32 -0.87 -0.23 | 24.82 -1.20 -0.42 | 22.87 -1.03 -0.03 | 20.71 -0.88 -0.04 | 19.10 -0.63 0.00 | 17.28 -0.05 0.00 |
| NIAGARA_115W_LBMP 323714 | 15.31 -0.34 -0.03 | 13.33 -0.04 -0.46 | 12.37 -0.05 -0.29 | 10.96 -0.13 -0.58 | 10.89 -0.06 -0.59 | 11.47 -0.04 -0.54 | 12.89 -0.24 0.00 | 13.91 -0.76 0.00 | 16.00 -0.95 -0.04 | 16.78 -0.96 -0.59 | 18.22 -1.24 -0.09 | 17.96 -1.21 -0.02 | 18.48 -1.01 0.00 | 18.49 -0.93 0.00 | 18.76 -0.84 0.00 | 18.85 -0.79 0.00 | 20.00 -1.05 0.00 | 21.72 -0.82 -0.47 | 24.24 -0.95 -0.23 | 24.71 -1.30 -0.41 | 22.79 -1.10 -0.03 | 20.62 -0.97 -0.04 | 19.03 -0.71 0.00 | 17.28 -0.05 0.00 |
| NIAGARA_230_LBMP 323716 | 15.42 -0.23 -0.03 | 13.32 -0.04 -0.46 | 12.37 -0.05 -0.28 | 10.96 -0.13 -0.58 | 10.88 -0.06 -0.58 | 11.47 -0.04 -0.53 | 12.98 -0.14 0.00 | 14.11 -0.56 0.00 | 16.22 -0.73 -0.04 | 17.00 -0.74 -0.59 | 18.47 -0.99 -0.09 | 18.23 -0.94 -0.02 | 18.73 -0.76 0.00 | 18.74 -0.68 0.00 | 19.03 -0.57 0.00 | 19.11 -0.53 0.00 | 20.27 -0.78 0.00 | 22.00 -0.53 -0.47 | 24.57 -0.62 -0.22 | 25.04 -0.97 -0.41 | 23.10 -0.79 -0.03 | 20.92 -0.67 -0.04 | 19.28 -0.45 0.00 | 17.44 0.10 0.00 |
| NIAGARA__115KV_198_GIBSON 55903 | 15.31 -0.34 -0.03 | 13.33 -0.04 -0.46 | 12.37 -0.05 -0.29 | 10.96 -0.13 -0.58 | 10.89 -0.06 -0.59 | 11.47 -0.04 -0.54 | 12.82 -0.30 0.00 | 13.91 -0.76 0.00 | 16.00 -0.95 -0.04 | 16.76 -0.98 -0.59 | 18.22 -1.24 -0.09 | 17.92 -1.24 -0.02 | 18.46 -1.03 0.00 | 18.49 -0.93 0.00 | 18.78 -0.82 0.00 | 18.85 -0.79 0.00 | 20.00 -1.05 0.00 | 21.72 -0.82 -0.47 | 24.24 -0.95 -0.23 | 24.89 -1.31 -0.59 | 22.81 -1.10 -0.05 | 20.51 -1.10 -0.06 | 18.85 -0.89 0.00 | 17.28 -0.05 0.00 |
| NIAGARA____ 23760 | 15.42 -0.23 -0.03 | 13.33 -0.04 -0.46 | 12.37 -0.05 -0.29 | 10.96 -0.13 -0.58 | 10.89 -0.06 -0.59 | 11.47 -0.04 -0.54 | 12.98 -0.14 0.00 | 14.11 -0.56 0.00 | 16.22 -0.73 -0.04 | 17.00 -0.74 -0.59 | 18.47 -0.99 -0.09 | 18.23 -0.94 -0.02 | 18.73 -0.76 0.00 | 18.74 -0.68 0.00 | 19.03 -0.57 0.00 | 19.11 -0.53 0.00 | 20.27 -0.78 0.00 | 22.00 -0.53 -0.47 | 24.57 -0.62 -0.23 | 25.04 -0.97 -0.41 | 23.10 -0.79 -0.03 | 20.92 -0.67 -0.04 | 19.28 -0.45 0.00 | 17.44 0.10 0.00 |
| NINE_MILE_1 23575 | 15.36 -0.28 -0.02 | 12.96 -0.22 -0.27 | 12.08 -0.22 -0.17 | 10.64 -0.21 -0.34 | 10.52 -0.19 -0.35 | 11.11 -0.19 -0.31 | 12.90 -0.22 0.00 | 14.33 -0.34 0.00 | 16.52 -0.41 -0.02 | 17.08 -0.41 -0.35 | 18.92 -0.50 -0.05 | 18.68 -0.48 -0.01 | 19.02 -0.47 0.00 | 18.98 -0.45 0.00 | 19.17 -0.43 0.00 | 19.20 -0.43 0.00 | 20.53 -0.53 0.00 | 21.92 -0.42 -0.27 | 24.65 -0.45 -0.13 | 25.22 -0.56 -0.18 | 23.35 -0.52 -0.01 | 21.07 -0.49 -0.02 | 19.28 -0.45 0.00 | 17.02 -0.31 0.00 |
| NINE_MILE_2 23744 | 15.36 -0.28 -0.02 | 12.96 -0.22 -0.27 | 12.08 -0.22 -0.17 | 10.63 -0.21 -0.34 | 10.52 -0.19 -0.34 | 11.10 -0.19 -0.31 | 12.90 -0.22 0.00 | 14.33 -0.34 0.00 | 16.52 -0.41 -0.02 | 17.08 -0.41 -0.35 | 18.92 -0.50 -0.05 | 18.68 -0.48 -0.01 | 19.02 -0.47 0.00 | 18.98 -0.45 0.00 | 19.17 -0.43 0.00 | 19.20 -0.43 0.00 | 20.55 -0.51 0.00 | 21.92 -0.42 -0.27 | 24.65 -0.45 -0.13 | 25.22 -0.56 -0.18 | 23.35 -0.52 -0.01 | 21.07 -0.49 -0.02 | 19.28 -0.45 0.00 | 17.02 -0.31 0.00 |
| NM_CAPITAL____DRP 24208 | 16.28 0.47 -0.19 | 16.21 0.41 -2.89 | 14.32 0.39 -1.80 | 14.49 0.33 -3.66 | 14.40 0.33 -3.71 | 14.72 0.37 -3.37 | 13.55 0.43 0.00 | 15.10 0.43 0.00 | 17.65 0.49 -0.26 | 21.33 0.45 -3.74 | 20.49 0.56 -0.56 | 19.87 0.57 -0.15 | 20.06 0.57 0.00 | 19.99 0.56 0.00 | 20.17 0.57 0.00 | 20.18 0.55 0.00 | 21.68 0.63 0.00 | 25.73 0.71 -2.96 | 27.21 0.82 -1.42 | 30.05 0.74 -3.70 | 24.85 0.69 -0.30 | 22.53 0.62 -0.35 | 20.21 0.47 0.00 | 17.66 0.33 0.00 |
| NM_CENTRAL____DRP 24181 | 15.66 0.02 -0.02 | 13.27 0.03 -0.34 | 12.36 0.01 -0.21 | 10.91 -0.02 -0.43 | 10.80 0.01 -0.43 | 11.39 0.02 -0.39 | 13.17 0.05 0.00 | 14.60 -0.07 0.00 | 16.83 -0.10 -0.03 | 17.48 -0.10 -0.44 | 19.30 -0.14 -0.07 | 19.05 -0.11 -0.02 | 19.41 -0.08 0.00 | 19.37 -0.06 0.00 | 19.56 -0.04 0.00 | 19.62 -0.02 0.00 | 20.95 -0.11 0.00 | 22.45 0.04 -0.34 | 25.23 0.10 -0.17 | 26.03 0.00 -0.43 | 23.87 -0.02 -0.03 | 21.53 -0.06 -0.04 | 19.66 -0.08 0.00 | 17.37 0.03 0.00 |
| NM_FRONTIER____DRP 24179 | 15.31 -0.34 -0.03 | 13.33 -0.04 -0.46 | 12.37 -0.05 -0.29 | 10.96 -0.13 -0.58 | 10.89 -0.06 -0.59 | 11.47 -0.04 -0.54 | 12.82 -0.30 0.00 | 13.91 -0.76 0.00 | 16.00 -0.95 -0.04 | 16.76 -0.98 -0.59 | 18.22 -1.24 -0.09 | 17.92 -1.24 -0.02 | 18.46 -1.03 0.00 | 18.49 -0.93 0.00 | 18.78 -0.82 0.00 | 18.85 -0.79 0.00 | 20.00 -1.05 0.00 | 21.72 -0.82 -0.47 | 24.24 -0.95 -0.23 | 24.89 -1.31 -0.59 | 22.81 -1.10 -0.05 | 20.51 -1.10 -0.06 | 18.85 -0.89 0.00 | 17.28 -0.05 0.00 |
| NM_ST_REGIS____HYD 24053 | 15.47 -0.16 -0.01 | 12.84 -0.15 -0.09 | 12.08 -0.11 -0.05 | 10.59 -0.02 -0.11 | 10.38 -0.09 -0.11 | 10.99 -0.09 -0.10 | 12.98 -0.14 0.00 | 14.64 -0.03 0.00 | 16.93 0.02 -0.01 | 17.28 0.02 -0.11 | 19.33 -0.06 -0.02 | 18.92 -0.23 0.00 | 19.16 -0.33 0.00 | 19.06 -0.37 0.00 | 19.15 -0.45 0.00 | 19.20 -0.43 0.00 | 20.65 -0.40 0.00 | 21.67 -0.49 -0.09 | 24.41 -0.60 -0.04 | 25.12 -0.59 -0.11 | 23.34 -0.52 -0.01 | 21.28 -0.28 -0.01 | 19.64 -0.10 0.00 | 17.16 -0.17 0.00 |
| NORTHPORT____1 23551 | 16.96 1.19 -0.15 | 16.08 0.88 -2.30 | 14.36 0.80 -1.43 | 14.10 0.68 -2.91 | 13.96 0.65 -2.95 | 14.30 0.65 -2.68 | 14.07 0.95 0.00 | 15.58 0.91 0.00 | 18.26 1.15 -0.20 | 21.33 1.22 -2.97 | 21.44 1.61 -0.46 | 20.93 1.65 -0.14 | 22.01 1.72 -0.80 | 23.71 1.75 -2.53 | 24.10 1.74 -2.76 | 25.06 1.71 -3.72 | 27.55 1.90 -4.61 | 29.44 2.07 -5.30 | 29.89 2.35 -2.58 | 32.11 2.33 -4.18 | 26.78 2.12 -0.80 | 24.30 1.90 -0.85 | 21.20 1.46 0.00 | 18.18 0.85 0.00 |
| NORTHPORT____2 23552 | 16.96 1.19 -0.15 | 16.08 0.88 -2.30 | 14.36 0.80 -1.43 | 14.10 0.68 -2.91 | 13.96 0.65 -2.95 | 14.30 0.65 -2.68 | 14.07 0.95 0.00 | 15.58 0.91 0.00 | 18.26 1.15 -0.20 | 21.33 1.22 -2.97 | 21.44 1.61 -0.46 | 20.93 1.65 -0.14 | 22.01 1.72 -0.80 | 23.71 1.75 -2.53 | 24.10 1.74 -2.76 | 25.06 1.71 -3.72 | 27.55 1.90 -4.61 | 29.44 2.07 -5.30 | 29.89 2.35 -2.58 | 32.11 2.33 -4.18 | 26.78 2.12 -0.80 | 24.30 1.90 -0.85 | 21.20 1.46 0.00 | 18.18 0.85 0.00 |
| NORTHPORT____3 23553 | 17.02 1.25 -0.15 | 16.14 0.93 -2.30 | 14.40 0.84 -1.43 | 14.13 0.71 -2.91 | 13.99 0.68 -2.95 | 14.36 0.70 -2.68 | 14.11 0.98 0.00 | 15.62 0.95 0.00 | 18.31 1.20 -0.20 | 21.39 1.27 -2.97 | 21.52 1.68 -0.46 | 21.00 1.72 -0.14 | 22.11 1.81 -0.80 | 23.76 1.81 -2.53 | 24.18 1.82 -2.76 | 25.16 1.81 -3.72 | 27.64 1.98 -4.61 | 29.51 2.14 -5.30 | 29.94 2.40 -2.58 | 32.16 2.38 -4.18 | 26.83 2.17 -0.80 | 24.37 1.96 -0.85 | 21.28 1.54 0.00 | 18.27 0.94 0.00 |

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| NORTHPORT___4 23650 | 17.02 1.25 -0.15 | 16.14 0.93 -2.30 | 14.40 0.84 -1.43 | 14.13 0.71 -2.91 | 13.99 0.68 -2.95 | 14.36 0.70 -2.68 | 14.11 0.98 0.00 | 15.62 0.95 0.00 | 18.31 1.20 -0.20 | 21.39 1.27 -2.97 | 21.52 1.68 -0.46 | 21.00 1.72 -0.14 | 22.11 1.81 -0.80 | 23.76 1.81 -2.53 | 24.18 1.82 -2.76 | 25.16 1.81 -3.72 | 27.64 1.98 -4.61 | 29.51 2.14 -5.30 | 29.94 2.40 -2.58 | 32.16 2.38 -4.18 | 26.83 2.17 -0.80 | 24.37 1.96 -0.85 | 21.28 1.54 0.00 | 18.27 0.94 0.00 |
| NORTHPORT___IC 23718 | 16.96 1.19 -0.15 | 16.08 0.88 -2.30 | 14.36 0.80 -1.43 | 14.10 0.68 -2.91 | 13.96 0.65 -2.95 | 14.30 0.65 -2.68 | 14.07 0.95 0.00 | 15.58 0.91 0.00 | 18.26 1.15 -0.20 | 21.33 1.22 -2.97 | 21.44 1.61 -0.46 | 20.93 1.65 -0.14 | 22.01 1.72 -0.80 | 23.71 1.75 -2.53 | 24.10 1.74 -2.76 | 25.06 1.71 -3.72 | 27.55 1.90 -4.61 | 29.44 2.07 -5.30 | 29.89 2.35 -2.58 | 32.11 2.33 -4.18 | 26.78 2.12 -0.80 | 24.30 1.90 -0.85 | 21.20 1.46 0.00 | 18.18 0.85 0.00 |
| NORTH___COUNTRY_ESR 323785 | 15.58 -0.05 0.00 | 12.89 -0.08 -0.06 | 12.16 -0.01 -0.04 | 10.66 0.08 -0.07 | 10.45 0.02 -0.07 | 11.08 0.03 -0.07 | 13.13 0.01 0.00 | 14.82 0.15 0.00 | 17.15 0.24 -0.01 | 17.43 0.21 -0.07 | 19.63 0.25 -0.01 | 19.36 0.21 0.00 | 19.63 0.14 0.00 | 19.52 0.10 0.00 | 19.62 0.02 0.00 | 19.69 0.06 0.00 | 21.20 0.15 0.00 | 22.23 0.11 -0.06 | 24.97 -0.02 -0.03 | 25.60 0.00 0.00 | 23.86 0.00 0.00 | 21.53 -0.02 0.00 | 19.79 0.06 0.00 | 17.31 -0.02 0.00 |
| NPX_GEN_1385_PROXY 323591 | 16.79 1.01 -0.15 | 15.93 0.72 -2.30 | 14.29 0.73 -1.43 | 14.03 0.62 -2.91 | 13.90 0.59 -2.95 | 14.18 0.53 -2.68 | 13.99 0.87 0.00 | 15.49 0.82 0.00 | 18.16 1.05 -0.20 | 21.23 1.11 -2.97 | 21.17 1.34 -0.46 | 20.66 1.38 -0.14 | 21.66 1.36 -0.80 | 23.42 1.46 -2.53 | 23.75 1.39 -2.76 | 24.53 1.18 -3.72 | 27.13 1.47 -4.61 | 29.09 1.72 -5.30 | 29.62 2.07 -2.58 | 31.83 2.05 -4.18 | 26.52 1.86 -0.80 | 24.06 1.66 -0.85 | 20.90 1.16 0.00 | 17.92 0.59 0.00 |
| NPX_GEN_CSC 323557 | 17.30 1.53 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.32 0.90 -2.91 | 14.17 0.86 -2.95 | 14.54 0.88 -2.68 | 14.37 1.25 0.00 | 15.87 1.20 0.00 | 18.61 1.50 -0.20 | 21.68 1.56 -2.97 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.19 2.23 -2.53 | 24.61 2.25 -2.76 | 25.65 2.30 -3.72 | 28.18 2.53 -4.61 | 30.06 2.69 -5.30 | 30.61 3.07 -2.58 | 32.85 3.07 -4.18 | 27.40 2.74 -0.80 | 24.84 2.43 -0.85 | 21.67 1.94 0.00 | 18.53 1.19 0.00 |
| NSINS_S_GLNS_FALLS 23858 | 17.00 1.19 -0.20 | 16.84 0.97 -2.97 | 14.89 0.91 -1.84 | 15.02 0.77 -3.75 | 14.95 0.79 -3.81 | 15.35 0.91 -3.46 | 14.17 1.05 0.00 | 15.80 1.13 0.00 | 18.54 1.37 -0.26 | 22.42 1.44 -3.83 | 21.67 1.72 -0.57 | 20.98 1.68 -0.15 | 21.01 1.52 0.00 | 20.94 1.52 0.00 | 21.11 1.51 0.00 | 21.05 1.41 0.00 | 22.84 1.79 0.00 | 27.13 2.03 -3.03 | 28.87 2.45 -1.46 | 31.73 2.33 -3.80 | 26.41 2.24 -0.31 | 23.79 1.87 -0.36 | 21.31 1.58 0.00 | 18.56 1.23 0.00 |
| NUCOR_STEEL___DRP 24197 | 15.85 0.20 -0.03 | 13.51 0.19 -0.41 | 12.55 0.16 -0.25 | 11.14 0.12 -0.51 | 11.03 0.16 -0.52 | 11.63 0.18 -0.47 | 13.37 0.25 0.00 | 14.80 0.13 0.00 | 17.08 0.14 -0.04 | 17.79 0.12 -0.52 | 19.57 0.12 -0.08 | 19.30 0.13 -0.02 | 19.67 0.18 0.00 | 19.62 0.19 0.00 | 19.83 0.24 0.00 | 19.89 0.26 0.00 | 21.22 0.17 0.00 | 22.85 0.38 -0.42 | 25.67 0.50 -0.20 | 26.56 0.44 -0.52 | 24.26 0.36 -0.04 | 21.88 0.28 -0.05 | 19.95 0.22 0.00 | 17.63 0.29 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 15.77 0.14 -0.01 | 13.23 0.12 -0.21 | 12.36 0.10 -0.13 | 10.84 0.07 -0.26 | 10.69 0.07 -0.26 | 11.34 0.12 -0.24 | 13.28 0.16 0.00 | 14.77 0.10 0.00 | 17.06 0.13 -0.02 | 17.57 0.15 -0.27 | 19.53 0.12 -0.04 | 19.21 0.06 -0.01 | 19.49 0.00 0.00 | 19.43 0.00 0.00 | 19.60 0.00 0.00 | 19.64 0.00 0.00 | 21.05 0.00 0.00 | 22.45 0.18 -0.21 | 25.37 0.30 -0.10 | 25.96 0.26 -0.10 | 24.08 0.21 -0.01 | 21.75 0.19 -0.01 | 19.93 0.20 0.00 | 17.50 0.17 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 15.62 0.00 0.00 | 12.91 0.00 0.00 | 12.14 0.00 0.00 | 10.51 0.00 0.00 | 10.36 0.00 0.00 | 10.98 0.00 0.00 | 13.12 0.00 0.00 | 14.67 0.00 0.00 | 16.90 0.00 0.00 | 17.15 0.00 0.00 | 19.37 0.00 0.00 | 19.14 0.00 0.00 | 19.49 0.00 0.00 | 19.43 0.00 0.00 | 19.60 0.00 0.00 | 19.64 0.00 0.00 | 21.05 0.00 0.00 | 22.06 0.00 0.00 | 24.97 0.00 0.00 | 25.60 0.00 0.00 | 23.86 0.00 0.00 | 21.55 0.00 0.00 | 19.74 0.00 0.00 | 17.33 0.00 0.00 |
| NYPA_BRENTWD___GT 24164 | 17.18 1.41 -0.15 | 16.25 1.05 -2.30 | 14.52 0.96 -1.43 | 14.23 0.82 -2.91 | 14.08 0.78 -2.95 | 14.45 0.79 -2.68 | 14.25 1.13 0.00 | 15.76 1.09 0.00 | 18.48 1.37 -0.20 | 21.54 1.42 -2.97 | 21.73 1.90 -0.46 | 21.21 1.93 -0.14 | 22.32 2.03 -0.80 | 24.00 2.04 -2.53 | 24.42 2.06 -2.76 | 25.42 2.06 -3.72 | 27.93 2.27 -4.61 | 29.82 2.45 -5.30 | 30.32 2.77 -2.58 | 32.55 2.77 -4.18 | 27.16 2.50 -0.80 | 24.65 2.24 -0.85 | 21.49 1.76 0.00 | 18.42 1.09 0.00 |
| NYPA_GOWANUS___GT5 24156 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NYPA_GOWANUS___GT6 24157 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.76 1.49 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.37 1.94 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.12 1.38 -0.01 | 18.29 0.95 -0.01 |
| NYPA_HARLEM__RVR__GT1 24160 | 17.05 1.26 -0.16 | 16.21 0.99 -2.31 | 14.51 0.93 -1.44 | 14.22 0.80 -2.91 | 14.10 0.79 -2.96 | 14.48 0.81 -2.69 | 14.12 0.98 -0.02 | 15.65 0.97 -0.02 | 18.12 1.01 -0.20 | 21.22 1.11 -2.96 | 21.14 1.34 -0.44 | 20.72 1.45 -0.12 | 21.08 1.58 -0.01 | 21.01 1.57 -0.01 | 21.21 1.61 -0.01 | 21.23 1.59 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.18 2.07 -1.14 | 30.45 2.02 -2.82 | 25.97 1.88 -0.23 | 23.57 1.74 -0.28 | 21.18 1.44 -0.01 | 18.46 1.13 -0.01 |
| NYPA_HARLEM__RVR__GT2 24161 | 17.05 1.26 -0.16 | 16.21 0.99 -2.31 | 14.51 0.93 -1.44 | 14.22 0.80 -2.91 | 14.10 0.79 -2.96 | 14.48 0.81 -2.69 | 14.12 0.98 -0.02 | 15.65 0.97 -0.02 | 18.12 1.01 -0.20 | 21.22 1.11 -2.96 | 21.14 1.34 -0.44 | 20.72 1.45 -0.12 | 21.08 1.58 -0.01 | 21.01 1.57 -0.01 | 21.21 1.61 -0.01 | 21.23 1.59 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.18 2.07 -1.14 | 30.45 2.02 -2.82 | 25.97 1.88 -0.23 | 23.57 1.74 -0.28 | 21.18 1.44 -0.01 | 18.46 1.13 -0.01 |
| NYPA_KENT___GT 24152 | 16.94 1.16 -0.16 | 16.10 0.89 -2.31 | 14.38 0.81 -1.44 | 14.12 0.70 -2.91 | 14.02 0.70 -2.96 | 14.36 0.70 -2.68 | 14.00 0.88 0.00 | 15.59 0.92 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.06 1.56 -0.01 | 21.01 1.57 -0.01 | 21.18 1.57 -0.01 | 21.18 1.53 -0.01 | 22.74 1.68 -0.01 | 26.23 1.81 -2.36 | 28.08 1.97 -1.14 | 30.34 1.92 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.10 1.36 -0.01 | 18.31 0.97 -0.01 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| NYPA_POUCH1____GT 24155 | 16.95 1.17 -0.16 | 16.10 0.89 -2.31 | 14.38 0.81 -1.44 | 14.12 0.70 -2.91 | 14.02 0.70 -2.96 | 14.36 0.70 -2.68 | 14.00 0.88 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.26 1.15 -2.97 | 21.19 1.38 -0.44 | 20.78 1.51 -0.12 | 21.10 1.60 -0.01 | 21.04 1.61 -0.01 | 21.21 1.61 -0.01 | 21.21 1.57 -0.01 | 22.81 1.75 -0.01 | 26.27 1.85 -2.36 | 28.15 2.05 -1.14 | 30.39 1.97 -2.82 | 25.92 1.84 -0.23 | 23.49 1.66 -0.28 | 21.14 1.40 -0.01 | 18.31 0.97 -0.01 |
| NYPA_VERNON____GT2 24162 | 16.94 1.16 -0.16 | 16.10 0.89 -2.31 | 14.40 0.83 -1.44 | 14.12 0.70 -2.91 | 14.02 0.70 -2.96 | 14.37 0.71 -2.68 | 14.01 0.89 0.00 | 15.59 0.92 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.04 1.54 -0.01 | 20.97 1.53 -0.01 | 21.16 1.55 -0.01 | 21.16 1.51 -0.01 | 22.72 1.66 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.29 1.87 -2.82 | 25.88 1.79 -0.23 | 23.45 1.62 -0.28 | 21.09 1.34 -0.01 | 18.31 0.97 -0.01 |
| NYPA_VERNON____GT3 24163 | 16.94 1.16 -0.16 | 16.10 0.89 -2.31 | 14.40 0.83 -1.44 | 14.12 0.70 -2.91 | 14.02 0.70 -2.96 | 14.37 0.71 -2.68 | 14.01 0.89 0.00 | 15.59 0.92 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.04 1.54 -0.01 | 20.97 1.53 -0.01 | 21.16 1.55 -0.01 | 21.16 1.51 -0.01 | 22.72 1.66 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.29 1.87 -2.82 | 25.88 1.79 -0.23 | 23.45 1.62 -0.28 | 21.09 1.34 -0.01 | 18.31 0.97 -0.01 |
| NYPA____ASTORIA_CC1 323568 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.03 0.90 0.00 | 15.61 0.94 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.18 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.08 1.97 -1.14 | 30.32 1.89 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.10 1.36 -0.01 | 18.33 0.99 -0.01 |
| NYPA____ASTORIA_CC2 323569 | 16.95 1.17 -0.16 | 16.13 0.92 -2.31 | 14.41 0.84 -1.44 | 14.13 0.71 -2.91 | 14.03 0.71 -2.96 | 14.38 0.72 -2.68 | 14.03 0.90 0.00 | 15.61 0.94 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.06 1.56 -0.01 | 20.99 1.55 -0.01 | 21.18 1.57 -0.01 | 21.18 1.53 -0.01 | 22.74 1.68 -0.01 | 26.21 1.79 -2.36 | 28.08 1.97 -1.14 | 30.32 1.89 -2.82 | 25.90 1.81 -0.23 | 23.47 1.64 -0.28 | 21.10 1.36 -0.01 | 18.33 0.99 -0.01 |
| NYPA____HOLTSVILL 23794 | 17.16 1.39 -0.15 | 16.24 1.03 -2.30 | 14.51 0.95 -1.43 | 14.22 0.81 -2.91 | 14.07 0.77 -2.95 | 14.44 0.78 -2.68 | 14.24 1.11 0.00 | 15.74 1.07 0.00 | 18.44 1.34 -0.20 | 21.52 1.41 -2.97 | 21.71 1.88 -0.46 | 21.17 1.90 -0.14 | 22.28 1.99 -0.80 | 23.96 2.00 -2.53 | 24.40 2.04 -2.76 | 25.40 2.04 -3.72 | 27.91 2.25 -4.61 | 29.79 2.43 -5.30 | 30.29 2.75 -2.58 | 32.52 2.74 -4.18 | 27.12 2.46 -0.80 | 24.60 2.20 -0.85 | 21.47 1.74 0.00 | 18.37 1.04 0.00 |
| NYPA____HELLGATE_GT1 24158 | 17.05 1.26 -0.16 | 16.21 0.99 -2.31 | 14.51 0.93 -1.44 | 14.22 0.80 -2.91 | 14.10 0.79 -2.96 | 14.47 0.81 -2.68 | 14.11 0.98 0.00 | 15.64 0.97 0.00 | 18.15 1.01 -0.23 | 21.25 1.11 -2.99 | 21.17 1.34 -0.46 | 20.73 1.45 -0.13 | 21.08 1.58 -0.01 | 21.01 1.57 -0.01 | 21.21 1.61 -0.01 | 21.23 1.59 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.18 2.07 -1.14 | 30.46 2.02 -2.84 | 25.99 1.88 -0.24 | 23.57 1.74 -0.28 | 21.18 1.44 -0.01 | 18.46 1.13 -0.01 |
| NYPA____HELLGATE_GT2 24159 | 17.05 1.26 -0.16 | 16.21 0.99 -2.31 | 14.51 0.93 -1.44 | 14.22 0.80 -2.91 | 14.10 0.79 -2.96 | 14.47 0.81 -2.68 | 14.11 0.98 0.00 | 15.64 0.97 0.00 | 18.15 1.01 -0.23 | 21.25 1.11 -2.99 | 21.17 1.34 -0.46 | 20.73 1.45 -0.13 | 21.08 1.58 -0.01 | 21.01 1.57 -0.01 | 21.21 1.61 -0.01 | 21.23 1.59 -0.01 | 22.76 1.70 -0.01 | 26.25 1.83 -2.36 | 28.18 2.07 -1.14 | 30.46 2.02 -2.84 | 25.99 1.88 -0.24 | 23.57 1.74 -0.28 | 21.18 1.44 -0.01 | 18.46 1.13 -0.01 |
| NYS_BARGE____HYD 23848 | 15.48 -0.17 -0.03 | 13.35 -0.01 -0.45 | 12.39 -0.02 -0.28 | 10.97 -0.11 -0.57 | 10.90 -0.04 -0.58 | 11.48 -0.02 -0.53 | 13.03 -0.09 0.00 | 14.17 -0.50 0.00 | 16.27 -0.68 -0.04 | 17.05 -0.69 -0.58 | 18.57 -0.89 -0.09 | 18.31 -0.86 -0.02 | 18.83 -0.66 0.00 | 18.86 -0.56 0.00 | 19.13 -0.47 0.00 | 19.22 -0.41 0.00 | 20.40 -0.65 0.00 | 22.11 -0.42 -0.46 | 24.71 -0.48 -0.22 | 25.21 -0.79 -0.41 | 23.25 -0.64 -0.03 | 21.05 -0.54 -0.04 | 19.40 -0.34 0.00 | 17.52 0.19 0.00 |
| OAK ORCHARD____HYD 24046 | 15.71 0.06 -0.03 | 13.48 0.17 -0.40 | 12.52 0.13 -0.25 | 11.09 0.07 -0.51 | 10.99 0.11 -0.52 | 11.57 0.12 -0.47 | 13.21 0.09 0.00 | 14.51 -0.16 0.00 | 16.74 -0.20 -0.04 | 17.48 -0.19 -0.52 | 19.12 -0.33 -0.08 | 18.86 -0.31 -0.02 | 19.30 -0.19 0.00 | 19.29 -0.14 0.00 | 19.52 -0.08 0.00 | 19.60 -0.04 0.00 | 20.86 -0.19 0.00 | 22.59 0.11 -0.41 | 25.34 0.18 -0.20 | 25.91 -0.03 -0.34 | 23.86 -0.02 -0.03 | 21.52 -0.06 -0.03 | 19.74 0.00 0.00 | 17.61 0.28 0.00 |
| OAKDALE__35_KV_LOAD 356122 | 15.89 0.22 -0.05 | 13.92 0.18 -0.83 | 12.80 0.15 -0.51 | 11.65 0.09 -1.05 | 11.56 0.13 -1.06 | 12.09 0.14 -0.97 | 13.34 0.22 0.00 | 14.77 0.10 0.00 | 17.05 0.07 -0.07 | 18.27 0.05 -1.07 | 19.55 0.02 -0.16 | 19.26 0.08 -0.04 | 19.65 0.16 0.00 | 19.60 0.17 0.00 | 19.83 0.24 0.00 | 19.89 0.26 0.00 | 21.24 0.19 0.00 | 23.24 0.33 -0.85 | 25.77 0.40 -0.41 | 26.92 0.26 -1.06 | 24.18 0.24 -0.09 | 21.85 0.19 -0.10 | 19.93 0.20 0.00 | 17.61 0.28 0.00 |
| OCC_CHEM____DRP 24175 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.38 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.86 -0.26 0.00 | 13.95 -0.72 0.00 | 16.05 -0.90 -0.04 | 16.82 -0.93 -0.59 | 18.28 -1.18 -0.09 | 17.96 -1.21 -0.02 | 18.50 -0.99 0.00 | 18.55 -0.87 0.00 | 18.82 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.78 -0.75 -0.47 | 24.32 -0.87 -0.23 | 24.96 -1.23 -0.59 | 22.86 -1.05 -0.05 | 20.55 -1.06 -0.06 | 18.89 -0.85 0.00 | 17.31 -0.02 0.00 |
| OH_GEN_PROXY 24063 | 15.43 -0.22 -0.03 | 13.32 -0.04 -0.46 | 12.37 -0.05 -0.28 | 10.97 -0.12 -0.58 | 10.88 -0.06 -0.58 | 11.47 -0.04 -0.53 | 12.99 -0.13 0.00 | 14.13 -0.54 0.00 | 16.24 -0.71 -0.04 | 17.02 -0.72 -0.59 | 18.51 -0.95 -0.09 | 18.25 -0.92 -0.02 | 18.77 -0.72 0.00 | 18.78 -0.64 0.00 | 19.05 -0.55 0.00 | 19.15 -0.49 0.00 | 20.31 -0.74 0.00 | 22.02 -0.51 -0.47 | 24.62 -0.57 -0.22 | 25.11 -0.90 -0.41 | 23.15 -0.74 -0.03 | 20.96 -0.63 -0.04 | 19.32 -0.42 0.00 | 17.44 0.10 0.00 |
| OLIN_CORP_DRP 24177 | 15.29 -0.36 -0.03 | 13.22 -0.15 -0.46 | 12.27 -0.16 -0.29 | 10.87 -0.22 -0.59 | 10.80 -0.16 -0.59 | 11.38 -0.14 -0.54 | 12.96 -0.16 0.00 | 13.99 -0.67 0.00 | 16.08 -0.86 -0.04 | 16.85 -0.89 -0.60 | 18.32 -1.14 -0.09 | 18.04 -1.13 -0.02 | 18.58 -0.92 0.00 | 18.61 -0.82 0.00 | 18.89 -0.71 0.00 | 18.97 -0.67 0.00 | 20.13 -0.93 0.00 | 21.85 -0.68 -0.47 | 24.40 -0.80 -0.23 | 25.04 -1.15 -0.59 | 22.93 -0.98 -0.05 | 20.62 -0.99 -0.06 | 18.97 -0.77 0.00 | 17.31 -0.02 0.00 |
| OLIN_CORP_DSASP 323712 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.39 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.91 -0.21 0.00 | 13.95 -0.72 0.00 | 16.03 -0.91 -0.04 | 16.83 -0.91 -0.59 | 18.26 -1.20 -0.09 | 18.02 -1.15 -0.02 | 18.52 -0.97 0.00 | 18.55 -0.87 0.00 | 18.81 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.76 -0.77 -0.47 | 24.32 -0.87 -0.23 | 24.79 -1.23 -0.41 | 22.84 -1.05 -0.03 | 20.69 -0.90 -0.04 | 19.06 -0.67 0.00 | 17.31 -0.02 0.00 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| ONEIDA_HERK_LFGE 323681 | 15.90 0.27 -0.01 | 13.36 0.23 -0.22 | 12.47 0.19 -0.14 | 10.93 0.15 -0.28 | 10.79 0.16 -0.28 | 11.44 0.21 -0.26 | 13.38 0.26 0.00 | 14.86 0.19 0.00 | 17.16 0.24 -0.02 | 17.69 0.26 -0.28 | 19.68 0.27 -0.04 | 19.39 0.23 -0.01 | 19.71 0.21 0.00 | 19.64 0.21 0.00 | 19.84 0.24 0.00 | 19.85 0.22 0.00 | 21.28 0.23 0.00 | 22.69 0.40 -0.22 | 25.62 0.55 -0.11 | 26.15 0.46 -0.09 | 24.27 0.41 -0.01 | 21.90 0.34 -0.01 | 20.03 0.30 0.00 | 17.61 0.28 0.00 |
| ONEIDA___115KV_TB4 55905 | 16.03 0.39 -0.02 | 13.52 0.34 -0.28 | 12.60 0.29 -0.17 | 11.08 0.22 -0.35 | 10.96 0.24 -0.36 | 11.59 0.29 -0.33 | 13.50 0.38 0.00 | 14.95 0.28 0.00 | 17.25 0.32 -0.02 | 17.85 0.34 -0.36 | 19.79 0.37 -0.05 | 19.54 0.38 -0.01 | 19.88 0.39 0.00 | 19.81 0.39 0.00 | 20.03 0.43 0.00 | 20.05 0.41 0.00 | 21.43 0.38 0.00 | 22.92 0.57 -0.29 | 25.83 0.72 -0.14 | 26.60 0.64 -0.36 | 24.46 0.57 -0.03 | 22.06 0.47 -0.03 | 20.13 0.39 0.00 | 17.76 0.43 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 15.71 0.06 -0.03 | 13.35 0.06 -0.38 | 12.42 0.05 -0.24 | 11.00 0.01 -0.48 | 10.89 0.04 -0.49 | 11.48 0.05 -0.44 | 13.21 0.09 0.00 | 14.65 -0.01 0.00 | 16.90 -0.03 -0.03 | 17.61 -0.03 -0.49 | 19.39 -0.06 -0.07 | 19.13 -0.04 -0.02 | 19.49 0.00 0.00 | 19.44 0.02 0.00 | 19.66 0.06 0.00 | 19.69 0.06 0.00 | 21.03 -0.02 0.00 | 22.61 0.15 -0.39 | 25.35 0.20 -0.19 | 26.22 0.13 -0.49 | 23.99 0.10 -0.04 | 21.62 0.02 -0.05 | 19.74 0.00 0.00 | 17.42 0.09 0.00 |
| ONONDAGA___COGEN 23986 | 15.79 0.14 -0.02 | 13.40 0.13 -0.36 | 12.46 0.10 -0.22 | 11.03 0.06 -0.46 | 10.91 0.09 -0.46 | 11.51 0.11 -0.42 | 13.28 0.16 0.00 | 14.73 0.06 0.00 | 16.99 0.05 -0.03 | 17.65 0.03 -0.47 | 19.48 0.04 -0.07 | 19.22 0.06 -0.02 | 19.59 0.10 0.00 | 19.52 0.10 0.00 | 19.74 0.14 0.00 | 19.79 0.16 0.00 | 21.11 0.06 0.00 | 22.68 0.24 -0.37 | 25.47 0.32 -0.18 | 26.32 0.26 -0.46 | 24.11 0.21 -0.04 | 21.75 0.15 -0.04 | 19.83 0.10 0.00 | 17.50 0.17 0.00 |
| ONTARIO___LFGE 23819 | 15.84 0.19 -0.03 | 13.53 0.17 -0.45 | 12.55 0.13 -0.28 | 11.15 0.07 -0.57 | 11.07 0.13 -0.58 | 11.65 0.14 -0.53 | 13.34 0.22 0.00 | 14.71 0.04 0.00 | 16.94 0.00 -0.04 | 17.71 -0.02 -0.58 | 19.44 -0.02 -0.09 | 19.17 0.00 -0.02 | 19.57 0.08 0.00 | 19.52 0.10 0.00 | 19.78 0.18 0.00 | 19.85 0.22 0.00 | 21.16 0.11 0.00 | 22.88 0.35 -0.46 | 25.66 0.47 -0.22 | 26.36 0.36 -0.40 | 24.20 0.31 -0.03 | 21.85 0.26 -0.04 | 19.97 0.24 0.00 | 17.69 0.36 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 15.53 -0.13 -0.03 | 13.39 -0.05 -0.53 | 12.40 -0.06 -0.33 | 11.05 -0.13 -0.67 | 11.00 -0.04 -0.68 | 11.56 -0.03 -0.62 | 13.11 -0.01 0.00 | 14.33 -0.34 0.00 | 16.43 -0.52 -0.05 | 17.28 -0.55 -0.68 | 18.81 -0.66 -0.10 | 18.60 -0.57 -0.03 | 19.10 -0.39 0.00 | 19.13 -0.29 0.00 | 19.40 -0.20 0.00 | 19.50 -0.14 0.00 | 20.69 -0.36 0.00 | 22.38 -0.22 -0.54 | 25.00 -0.23 -0.26 | 25.62 -0.49 -0.51 | 23.56 -0.33 -0.04 | 21.38 -0.22 -0.05 | 19.66 -0.08 0.00 | 17.64 0.31 0.00 |
| ORANGEVILLE___ESR 323794 | 15.53 -0.13 -0.03 | 13.39 -0.05 -0.53 | 12.40 -0.06 -0.33 | 11.05 -0.13 -0.67 | 11.00 -0.04 -0.68 | 11.56 -0.03 -0.62 | 13.11 -0.01 0.00 | 14.33 -0.34 0.00 | 16.43 -0.52 -0.05 | 17.28 -0.55 -0.68 | 18.81 -0.66 -0.10 | 18.60 -0.57 -0.03 | 19.10 -0.39 0.00 | 19.13 -0.29 0.00 | 19.40 -0.20 0.00 | 19.50 -0.14 0.00 | 20.69 -0.36 0.00 | 22.38 -0.22 -0.54 | 25.00 -0.23 -0.26 | 25.62 -0.49 -0.51 | 23.56 -0.33 -0.04 | 21.38 -0.22 -0.05 | 19.66 -0.08 0.00 | 17.64 0.31 0.00 |
| OSWEGATCHIE___HYD 24044 | 15.55 -0.08 -0.01 | 12.98 -0.08 -0.15 | 12.17 -0.06 -0.09 | 10.66 -0.03 -0.19 | 10.48 -0.06 -0.19 | 11.11 -0.04 -0.17 | 13.07 -0.05 0.00 | 14.63 -0.04 0.00 | 16.90 -0.02 -0.01 | 17.34 0.00 -0.19 | 19.32 -0.08 -0.03 | 18.92 -0.23 -0.01 | 19.18 -0.31 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.91 -0.31 -0.15 | 24.71 -0.33 -0.07 | 25.34 -0.33 -0.07 | 23.55 -0.31 -0.01 | 21.39 -0.17 -0.01 | 19.68 -0.06 0.00 | 17.24 -0.09 0.00 |
| OSWEGO___5 23606 | 15.45 -0.19 -0.02 | 13.05 -0.14 -0.28 | 12.17 -0.15 -0.18 | 10.72 -0.15 -0.36 | 10.60 -0.12 -0.36 | 11.19 -0.12 -0.33 | 12.98 -0.14 0.00 | 14.42 -0.25 0.00 | 16.63 -0.30 -0.03 | 17.21 -0.31 -0.37 | 19.04 -0.39 -0.05 | 18.79 -0.36 -0.01 | 19.16 -0.33 0.00 | 19.09 -0.33 0.00 | 19.28 -0.31 0.00 | 19.34 -0.29 0.00 | 20.67 -0.38 0.00 | 22.09 -0.26 -0.29 | 24.83 -0.27 -0.14 | 25.42 -0.38 -0.20 | 23.49 -0.38 -0.02 | 21.23 -0.35 -0.02 | 19.42 -0.32 0.00 | 17.12 -0.21 0.00 |
| OSWEGO___6 23613 | 15.45 -0.19 -0.02 | 13.05 -0.14 -0.28 | 12.17 -0.15 -0.18 | 10.72 -0.15 -0.36 | 10.60 -0.12 -0.36 | 11.19 -0.12 -0.33 | 12.98 -0.14 0.00 | 14.42 -0.25 0.00 | 16.63 -0.30 -0.03 | 17.21 -0.31 -0.37 | 19.04 -0.39 -0.05 | 18.79 -0.36 -0.01 | 19.16 -0.33 0.00 | 19.09 -0.33 0.00 | 19.28 -0.31 0.00 | 19.34 -0.29 0.00 | 20.67 -0.38 0.00 | 22.09 -0.26 -0.29 | 24.83 -0.27 -0.14 | 25.42 -0.38 -0.20 | 23.49 -0.38 -0.02 | 21.23 -0.35 -0.02 | 19.42 -0.32 0.00 | 17.12 -0.21 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 15.59 -0.06 -0.03 | 13.48 0.10 -0.47 | 12.51 0.08 -0.29 | 11.08 -0.01 -0.59 | 11.01 0.05 -0.60 | 11.60 0.08 -0.54 | 13.13 0.01 0.00 | 14.26 -0.41 0.00 | 16.35 -0.59 -0.04 | 17.15 -0.60 -0.60 | 18.63 -0.83 -0.09 | 18.38 -0.78 -0.02 | 18.93 -0.57 0.00 | 18.98 -0.45 0.00 | 19.27 -0.33 0.00 | 19.34 -0.29 0.00 | 20.55 -0.51 0.00 | 22.25 -0.29 -0.48 | 24.85 -0.35 -0.23 | 25.51 -0.69 -0.60 | 23.36 -0.55 -0.05 | 21.00 -0.60 -0.06 | 19.34 -0.39 0.00 | 17.64 0.31 0.00 |
| OXBOW___ 24026 | 15.50 -0.16 -0.03 | 13.44 0.06 -0.46 | 12.47 0.05 -0.29 | 11.05 -0.04 -0.59 | 10.97 0.02 -0.59 | 11.56 0.04 -0.54 | 13.04 -0.08 0.00 | 14.13 -0.54 0.00 | 16.22 -0.73 -0.04 | 17.03 -0.72 -0.60 | 18.51 -0.95 -0.09 | 18.25 -0.92 -0.02 | 18.77 -0.72 0.00 | 18.80 -0.62 0.00 | 19.09 -0.51 0.00 | 19.16 -0.47 0.00 | 20.34 -0.72 0.00 | 22.05 -0.49 -0.47 | 24.65 -0.55 -0.23 | 25.12 -0.90 -0.42 | 23.18 -0.72 -0.03 | 20.97 -0.63 -0.04 | 19.34 -0.39 0.00 | 17.52 0.19 0.00 |
| OXY_CHEM_DSASP 323612 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.38 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.86 -0.26 0.00 | 13.95 -0.72 0.00 | 16.05 -0.90 -0.04 | 16.82 -0.93 -0.59 | 18.28 -1.18 -0.09 | 17.96 -1.21 -0.02 | 18.50 -0.99 0.00 | 18.55 -0.87 0.00 | 18.82 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.78 -0.75 -0.47 | 24.32 -0.87 -0.23 | 24.96 -1.23 -0.59 | 22.86 -1.05 -0.05 | 20.55 -1.06 -0.06 | 18.89 -0.85 0.00 | 17.31 -0.02 0.00 |
| OZONE_PARK_ESR 323760 | 17.01 1.23 -0.15 | 16.15 0.94 -2.30 | 14.42 0.86 -1.43 | 14.16 0.75 -2.91 | 14.05 0.75 -2.95 | 14.41 0.76 -2.68 | 14.11 0.98 0.00 | 15.70 1.03 0.00 | 18.26 1.15 -0.20 | 21.37 1.25 -2.97 | 21.27 1.45 -0.44 | 20.83 1.57 -0.12 | 21.15 1.66 0.00 | 21.08 1.65 0.00 | 21.27 1.67 0.00 | 21.26 1.63 0.00 | 22.84 1.79 0.00 | 26.31 1.90 -2.35 | 28.17 2.07 -1.13 | 30.57 2.02 -2.94 | 26.00 1.91 -0.24 | 23.53 1.70 -0.28 | 21.22 1.48 0.00 | 18.37 1.04 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.38 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.86 -0.26 0.00 | 13.95 -0.72 0.00 | 16.05 -0.90 -0.04 | 16.82 -0.93 -0.59 | 18.28 -1.18 -0.09 | 17.96 -1.21 -0.02 | 18.50 -0.99 0.00 | 18.55 -0.87 0.00 | 18.82 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.78 -0.75 -0.47 | 24.32 -0.87 -0.23 | 24.96 -1.23 -0.59 | 22.86 -1.05 -0.05 | 20.55 -1.06 -0.06 | 18.89 -0.85 0.00 | 17.31 -0.02 0.00 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| PACKARD__115KV_DUPONT_184 80571 | 15.34 -0.31 -0.03 | 13.34 -0.03 -0.46 | 12.38 -0.04 -0.29 | 10.98 -0.11 -0.58 | 10.91 -0.04 -0.59 | 11.48 -0.03 -0.54 | 12.86 -0.26 0.00 | 13.95 -0.72 0.00 | 16.05 -0.90 -0.04 | 16.82 -0.93 -0.59 | 18.28 -1.18 -0.09 | 17.96 -1.21 -0.02 | 18.50 -0.99 0.00 | 18.55 -0.87 0.00 | 18.82 -0.78 0.00 | 18.91 -0.73 0.00 | 20.06 -0.99 0.00 | 21.78 -0.75 -0.47 | 24.32 -0.87 -0.23 | 24.96 -1.23 -0.59 | 22.86 -1.05 -0.05 | 20.55 -1.06 -0.06 | 18.89 -0.85 0.00 | 17.31 -0.02 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 17.00 1.22 -0.16 | 16.17 0.96 -2.31 | 14.46 0.89 -1.44 | 14.18 0.76 -2.91 | 14.07 0.76 -2.96 | 14.43 0.77 -2.68 | 14.08 0.96 0.00 | 15.58 0.91 0.00 | 18.06 0.95 -0.20 | 21.18 1.06 -2.97 | 21.07 1.26 -0.44 | 20.64 1.38 -0.12 | 21.02 1.52 -0.01 | 20.95 1.52 -0.01 | 21.14 1.53 -0.01 | 21.17 1.53 -0.01 | 22.70 1.64 -0.01 | 26.18 1.77 -2.36 | 28.08 1.97 -1.14 | 30.46 1.92 -2.94 | 25.88 1.79 -0.24 | 23.48 1.64 -0.29 | 21.14 1.40 -0.01 | 18.40 1.06 -0.01 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 17.17 1.39 -0.16 | 16.32 1.11 -2.31 | 14.60 1.03 -1.44 | 14.30 0.88 -2.91 | 14.19 0.88 -2.96 | 14.56 0.90 -2.68 | 14.22 1.10 0.00 | 15.74 1.07 0.00 | 18.24 1.13 -0.20 | 21.38 1.27 -2.97 | 21.29 1.47 -0.44 | 20.85 1.59 -0.12 | 21.23 1.73 -0.01 | 21.18 1.75 -0.01 | 21.37 1.76 -0.01 | 21.39 1.75 -0.01 | 22.93 1.87 -0.01 | 26.43 2.01 -2.36 | 28.35 2.25 -1.14 | 30.75 2.20 -2.94 | 26.15 2.05 -0.24 | 23.74 1.90 -0.29 | 21.40 1.66 -0.01 | 18.60 1.27 -0.01 |
| PATROON__115KV_TB1 80586 | 16.28 0.47 -0.19 | 16.22 0.40 -2.91 | 14.33 0.39 -1.81 | 14.51 0.33 -3.68 | 14.43 0.34 -3.73 | 14.74 0.37 -3.39 | 13.55 0.43 0.00 | 15.10 0.43 0.00 | 17.67 0.51 -0.26 | 21.37 0.46 -3.76 | 20.51 0.58 -0.56 | 19.89 0.59 -0.15 | 20.08 0.58 0.00 | 20.01 0.58 0.00 | 20.19 0.59 0.00 | 20.22 0.59 0.00 | 21.70 0.65 0.00 | 25.79 0.75 -2.97 | 27.25 0.85 -1.43 | 30.09 0.77 -3.72 | 24.90 0.74 -0.30 | 22.53 0.62 -0.35 | 20.21 0.47 0.00 | 17.68 0.35 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 15.50 -0.16 -0.03 | 13.15 -0.25 -0.49 | 12.20 -0.24 -0.31 | 10.85 -0.28 -0.62 | 10.78 -0.21 -0.63 | 11.36 -0.20 -0.57 | 13.08 -0.04 0.00 | 14.26 -0.41 0.00 | 16.17 -0.78 -0.04 | 16.93 -0.86 -0.64 | 18.34 -1.12 -0.10 | 18.37 -0.80 -0.03 | 18.93 -0.57 0.00 | 18.98 -0.45 0.00 | 19.27 -0.33 0.00 | 19.36 -0.27 0.00 | 20.57 -0.48 0.00 | 21.97 -0.60 -0.50 | 24.54 -0.67 -0.24 | 25.23 -1.00 -0.63 | 23.05 -0.86 -0.05 | 20.77 -0.84 -0.06 | 19.34 -0.39 0.00 | 17.54 0.21 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 16.81 1.03 -0.15 | 16.06 0.83 -2.33 | 14.32 0.74 -1.45 | 14.07 0.62 -2.95 | 13.97 0.62 -2.99 | 14.32 0.63 -2.72 | 13.91 0.79 0.00 | 15.46 0.79 0.00 | 18.08 0.96 -0.21 | 21.19 1.03 -3.01 | 21.04 1.22 -0.45 | 20.49 1.23 -0.12 | 20.78 1.29 0.00 | 20.69 1.26 0.00 | 20.87 1.27 0.00 | 20.89 1.26 0.00 | 22.46 1.41 0.00 | 25.99 1.54 -2.38 | 27.89 1.77 -1.15 | 30.30 1.72 -2.98 | 25.67 1.57 -0.24 | 23.24 1.40 -0.28 | 20.86 1.12 0.00 | 18.14 0.81 0.00 |
| PEEKSKILL____ 23653 | 16.71 0.94 -0.15 | 15.91 0.74 -2.27 | 14.21 0.67 -1.41 | 13.94 0.57 -2.87 | 13.84 0.57 -2.91 | 14.20 0.58 -2.64 | 13.86 0.73 0.00 | 15.43 0.76 0.00 | 17.98 0.88 -0.20 | 21.02 0.94 -2.93 | 20.93 1.12 -0.44 | 20.43 1.17 -0.12 | 20.72 1.23 0.00 | 20.65 1.22 0.00 | 20.83 1.24 0.00 | 20.85 1.22 0.00 | 22.38 1.33 0.00 | 25.84 1.46 -2.32 | 27.70 1.62 -1.12 | 29.92 1.54 -2.78 | 25.54 1.46 -0.23 | 23.13 1.31 -0.26 | 20.78 1.05 0.00 | 18.08 0.74 0.00 |
| PGE MADISON__WINDPWR 24146 | 16.71 1.03 -0.06 | 14.60 0.85 -0.84 | 13.42 0.77 -0.52 | 12.19 0.62 -1.06 | 12.06 0.62 -1.08 | 12.70 0.75 -0.98 | 14.07 0.95 0.00 | 15.56 0.89 0.00 | 17.99 1.01 -0.07 | 19.26 1.03 -1.08 | 20.72 1.18 -0.16 | 20.36 1.17 -0.04 | 20.64 1.15 0.00 | 20.59 1.17 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.29 1.24 0.00 | 24.53 1.61 -0.86 | 27.43 2.05 -0.41 | 28.56 2.05 -0.91 | 25.79 1.86 -0.07 | 23.23 1.59 -0.09 | 21.14 1.40 0.00 | 18.63 1.30 0.00 |
| PIERCEFIELD____HYD 23852 | 15.42 -0.20 -0.01 | 12.81 -0.19 -0.09 | 12.05 -0.15 -0.06 | 10.55 -0.07 -0.12 | 10.34 -0.13 -0.12 | 10.95 -0.13 -0.11 | 12.91 -0.21 0.00 | 14.57 -0.10 0.00 | 16.83 -0.08 -0.01 | 17.20 -0.07 -0.12 | 19.22 -0.17 -0.02 | 18.77 -0.38 0.00 | 19.00 -0.49 0.00 | 18.90 -0.52 0.00 | 19.01 -0.59 0.00 | 19.03 -0.61 0.00 | 20.48 -0.57 0.00 | 21.47 -0.68 -0.09 | 24.21 -0.80 -0.05 | 24.93 -0.79 -0.12 | 23.15 -0.72 -0.01 | 21.17 -0.39 -0.01 | 19.54 -0.20 0.00 | 17.11 -0.23 0.00 |
| PINELAWN_CC_1 323563 | 17.08 1.31 -0.15 | 16.17 0.97 -2.30 | 14.45 0.89 -1.43 | 14.17 0.76 -2.91 | 14.03 0.72 -2.95 | 14.39 0.74 -2.68 | 14.16 1.04 0.00 | 15.67 1.00 0.00 | 18.38 1.27 -0.20 | 21.44 1.32 -2.97 | 21.59 1.76 -0.46 | 21.08 1.80 -0.14 | 22.17 1.87 -0.80 | 23.84 1.88 -2.53 | 24.28 1.92 -2.76 | 25.26 1.90 -3.72 | 27.76 2.10 -4.61 | 29.64 2.27 -5.30 | 30.12 2.57 -2.58 | 32.32 2.54 -4.18 | 26.97 2.31 -0.80 | 24.47 2.07 -0.85 | 21.37 1.64 0.00 | 18.32 0.99 0.00 |
| PJM_GEN_HTP_PROXY 323702 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.34 0.78 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.34 0.68 -2.68 | 13.99 0.87 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.64 1.38 -0.12 | 20.93 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.92 1.82 -1.13 | 30.17 1.74 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 20.98 1.24 0.00 | 18.21 0.88 0.00 |
| PJM_GEN_KEystone 24065 | 16.09 0.37 -0.10 | 14.63 0.28 -1.44 | 13.28 0.26 -0.89 | 12.51 0.19 -1.82 | 12.42 0.22 -1.85 | 12.88 0.22 -1.68 | 13.44 0.31 0.00 | 14.85 0.18 0.00 | 17.15 0.12 -0.13 | 19.13 0.12 -1.86 | 19.80 0.15 -0.28 | 19.41 0.19 -0.07 | 19.80 0.31 0.00 | 19.78 0.35 0.00 | 20.01 0.41 0.00 | 20.07 0.43 0.00 | 21.45 0.40 0.00 | 24.02 0.48 -1.47 | 26.20 0.53 -0.71 | 27.66 0.36 -1.70 | 24.40 0.41 -0.14 | 22.14 0.43 -0.16 | 20.09 0.36 0.00 | 17.71 0.38 0.00 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 16.88 1.11 -0.15 | 16.02 0.81 -2.30 | 14.30 0.74 -1.43 | 14.04 0.63 -2.91 | 13.91 0.60 -2.95 | 14.26 0.60 -2.68 | 13.99 0.87 0.00 | 15.51 0.84 0.00 | 18.16 1.05 -0.20 | 21.23 1.11 -2.97 | 21.32 1.49 -0.46 | 20.81 1.53 -0.14 | 21.89 1.60 -0.80 | 23.55 1.59 -2.53 | 23.97 1.61 -2.76 | 24.95 1.59 -3.72 | 27.40 1.75 -4.61 | 29.24 1.87 -5.30 | 29.64 2.10 -2.58 | 31.85 2.07 -4.18 | 26.57 1.91 -0.80 | 24.13 1.72 -0.85 | 21.10 1.36 0.00 | 18.13 0.80 0.00 |
| PJM_GEN_VFT_PROXY 323633 | 16.82 1.05 -0.15 | 16.01 0.80 -2.30 | 14.29 0.73 -1.43 | 14.04 0.63 -2.91 | 13.94 0.63 -2.95 | 14.29 0.64 -2.68 | 13.95 0.83 0.00 | 15.55 0.88 0.00 | 18.07 0.96 -0.20 | 21.14 1.03 -2.97 | 21.04 1.22 -0.44 | 20.57 1.30 -0.12 | 20.88 1.38 0.00 | 20.80 1.38 0.00 | 20.99 1.39 0.00 | 20.99 1.35 0.00 | 22.55 1.49 0.00 | 25.98 1.57 -2.35 | 27.80 1.70 -1.13 | 30.04 1.61 -2.82 | 25.68 1.60 -0.23 | 23.26 1.44 -0.27 | 20.92 1.18 0.00 | 18.15 0.81 0.00 |
| PLATSBRG_115KV_PMLD1 355749 | 15.80 0.17 0.00 | 13.05 0.09 -0.05 | 12.33 0.16 -0.03 | 10.81 0.24 -0.07 | 10.58 0.16 -0.07 | 11.23 0.19 -0.06 | 13.31 0.18 0.00 | 15.01 0.34 0.00 | 17.33 0.42 0.00 | 17.63 0.41 -0.07 | 19.87 0.48 -0.01 | 19.61 0.46 0.00 | 19.86 0.37 0.00 | 19.76 0.33 0.00 | 19.85 0.25 0.00 | 19.93 0.29 0.00 | 21.47 0.42 0.00 | 22.54 0.42 -0.05 | 25.32 0.32 -0.03 | 26.03 0.36 -0.07 | 24.20 0.33 -0.01 | 21.86 0.30 -0.01 | 20.07 0.34 0.00 | 17.54 0.21 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-----------------------|
| PLEASANTVLY___LBMP 24000 | 16.64 0.86 -0.16 | 16.01 0.68 -2.42 | 14.26 0.62 -1.50 | 14.10 0.54 -3.06 | 13.99 0.53 -3.10 | 14.35 0.55 -2.82 | 13.82 0.70 0.00 | 15.37 0.70 0.00 | 17.93 0.81 -0.22 | 21.13 0.86 -3.12 | 20.86 1.03 -0.47 | 20.32 1.05 -0.13 | 20.58 1.09 0.00 | 20.51 1.09 0.00 | 20.70 1.10 0.00 | 20.72 1.08 0.00 | 22.23 1.18 0.00 | 25.84 1.30 -2.47 | 27.61 1.45 -1.19 | 30.08 1.38 -3.10 | 25.40 1.29 -0.25 | 23.01 1.16 -0.29 | 20.70 0.97 0.00 | 18.01 0.68 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 16.76 0.98 -0.15 | 16.00 0.77 -2.32 | 14.28 0.70 -1.44 | 14.05 0.61 -2.93 | 13.94 0.61 -2.98 | 14.31 0.63 -2.70 | 13.92 0.80 0.00 | 15.49 0.82 0.00 | 18.04 0.93 -0.21 | 21.14 0.99 -2.99 | 21.02 1.20 -0.45 | 20.51 1.24 -0.12 | 20.80 1.31 0.00 | 20.73 1.30 0.00 | 20.91 1.31 0.00 | 20.93 1.30 0.00 | 22.48 1.43 0.00 | 25.98 1.54 -2.37 | 27.83 1.72 -1.14 | 30.21 1.64 -2.97 | 25.62 1.53 -0.24 | 23.21 1.38 -0.28 | 20.88 1.14 0.00 | 18.13 0.80 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 16.76 0.98 -0.15 | 16.00 0.77 -2.32 | 14.28 0.70 -1.44 | 14.05 0.61 -2.93 | 13.94 0.61 -2.98 | 14.31 0.63 -2.70 | 13.92 0.80 0.00 | 15.49 0.82 0.00 | 18.04 0.93 -0.21 | 21.14 0.99 -2.99 | 21.02 1.20 -0.45 | 20.51 1.24 -0.12 | 20.80 1.31 0.00 | 20.73 1.30 0.00 | 20.91 1.31 0.00 | 20.93 1.30 0.00 | 22.48 1.43 0.00 | 25.98 1.54 -2.37 | 27.83 1.72 -1.14 | 30.21 1.64 -2.97 | 25.62 1.53 -0.24 | 23.21 1.38 -0.28 | 20.88 1.14 0.00 | 18.13 0.80 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 16.71 0.94 -0.16 | 16.01 0.74 -2.36 | 14.27 0.67 -1.47 | 14.07 0.58 -2.99 | 13.97 0.58 -3.03 | 14.31 0.58 -2.75 | 13.87 0.75 0.00 | 15.42 0.75 0.00 | 17.99 0.88 -0.21 | 21.11 0.91 -3.05 | 20.89 1.07 -0.46 | 20.38 1.11 -0.12 | 20.64 1.15 0.00 | 20.57 1.15 0.00 | 20.76 1.16 0.00 | 20.77 1.14 0.00 | 22.31 1.26 0.00 | 25.85 1.37 -2.41 | 27.70 1.57 -1.16 | 30.11 1.48 -3.02 | 25.49 1.38 -0.24 | 23.07 1.23 -0.29 | 20.74 1.01 0.00 | 18.06 0.73 0.00 |
| POLETTI____ 23519 | 16.85 1.08 -0.15 | 16.03 0.83 -2.30 | 14.32 0.75 -1.43 | 14.06 0.65 -2.91 | 13.96 0.65 -2.95 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.18 1.06 -2.97 | 21.07 1.26 -0.44 | 20.62 1.36 -0.12 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.59 1.54 0.00 | 26.04 1.63 -2.35 | 27.87 1.77 -1.13 | 30.26 1.72 -2.94 | 25.74 1.65 -0.24 | 23.30 1.47 -0.28 | 21.00 1.26 0.00 | 18.20 0.87 0.00 |
| POMONA___ESR 323819 | 16.70 0.94 -0.15 | 15.84 0.74 -2.20 | 14.17 0.67 -1.36 | 13.85 0.57 -2.78 | 13.75 0.57 -2.82 | 14.12 0.58 -2.56 | 13.86 0.73 0.00 | 15.43 0.76 0.00 | 17.96 0.86 -0.20 | 20.89 0.91 -2.84 | 20.88 1.08 -0.42 | 20.39 1.13 -0.11 | 20.68 1.19 0.00 | 20.63 1.20 0.00 | 20.81 1.22 0.00 | 20.83 1.20 0.00 | 22.38 1.33 0.00 | 25.74 1.43 -2.24 | 27.65 1.60 -1.08 | 29.80 1.51 -2.69 | 25.51 1.43 -0.22 | 23.10 1.29 -0.26 | 20.76 1.03 0.00 | 18.06 0.73 0.00 |
| PORT_JEFF_3 23555 | 17.19 1.42 -0.15 | 16.26 1.06 -2.30 | 14.53 0.97 -1.43 | 14.24 0.83 -2.91 | 14.10 0.80 -2.95 | 14.46 0.80 -2.68 | 14.26 1.14 0.00 | 15.77 1.10 0.00 | 18.50 1.39 -0.20 | 21.56 1.44 -2.97 | 21.77 1.94 -0.46 | 21.25 1.97 -0.14 | 22.34 2.05 -0.80 | 24.04 2.08 -2.53 | 24.46 2.10 -2.76 | 25.46 2.10 -3.72 | 27.99 2.34 -4.61 | 29.86 2.49 -5.30 | 30.37 2.82 -2.58 | 32.60 2.82 -4.18 | 27.21 2.55 -0.80 | 24.67 2.26 -0.85 | 21.51 1.78 0.00 | 18.42 1.09 0.00 |
| PORT_JEFF_4 23616 | 17.19 1.42 -0.15 | 16.26 1.06 -2.30 | 14.53 0.97 -1.43 | 14.24 0.83 -2.91 | 14.10 0.80 -2.95 | 14.46 0.80 -2.68 | 14.26 1.14 0.00 | 15.77 1.10 0.00 | 18.50 1.39 -0.20 | 21.56 1.44 -2.97 | 21.77 1.94 -0.46 | 21.25 1.97 -0.14 | 22.34 2.05 -0.80 | 24.04 2.08 -2.53 | 24.46 2.10 -2.76 | 25.46 2.10 -3.72 | 27.99 2.34 -4.61 | 29.86 2.49 -5.30 | 30.37 2.82 -2.58 | 32.60 2.82 -4.18 | 27.21 2.55 -0.80 | 24.67 2.26 -0.85 | 21.51 1.78 0.00 | 18.42 1.09 0.00 |
| PORT_JEFF_IC 23713 | 17.23 1.45 -0.15 | 16.29 1.08 -2.30 | 14.55 0.98 -1.43 | 14.26 0.85 -2.91 | 14.12 0.81 -2.95 | 14.48 0.82 -2.68 | 14.29 1.17 0.00 | 15.80 1.13 0.00 | 18.53 1.42 -0.20 | 21.59 1.47 -2.97 | 21.81 1.98 -0.46 | 21.29 2.01 -0.14 | 22.40 2.11 -0.80 | 24.08 2.12 -2.53 | 24.50 2.14 -2.76 | 25.52 2.16 -3.72 | 28.04 2.38 -4.61 | 29.93 2.56 -5.30 | 30.44 2.89 -2.58 | 32.67 2.89 -4.18 | 27.26 2.60 -0.80 | 24.71 2.31 -0.85 | 21.55 1.81 0.00 | 18.46 1.13 0.00 |
| PPL PILGRIM_ST_GT1 24216 | 17.18 1.41 -0.15 | 16.25 1.05 -2.30 | 14.52 0.96 -1.43 | 14.23 0.82 -2.91 | 14.08 0.78 -2.95 | 14.45 0.79 -2.68 | 14.25 1.13 0.00 | 15.76 1.09 0.00 | 18.48 1.37 -0.20 | 21.54 1.42 -2.97 | 21.73 1.90 -0.46 | 21.21 1.93 -0.14 | 22.32 2.03 -0.80 | 24.00 2.04 -2.53 | 24.42 2.06 -2.76 | 25.42 2.06 -3.72 | 27.93 2.27 -4.61 | 29.82 2.45 -5.30 | 30.32 2.77 -2.58 | 32.55 2.77 -4.18 | 27.16 2.50 -0.80 | 24.65 2.24 -0.85 | 21.49 1.76 0.00 | 18.42 1.09 0.00 |
| PPL PILGRIM_ST_GT2 24217 | 17.18 1.41 -0.15 | 16.25 1.05 -2.30 | 14.52 0.96 -1.43 | 14.23 0.82 -2.91 | 14.08 0.78 -2.95 | 14.45 0.79 -2.68 | 14.25 1.13 0.00 | 15.76 1.09 0.00 | 18.48 1.37 -0.20 | 21.54 1.42 -2.97 | 21.73 1.90 -0.46 | 21.21 1.93 -0.14 | 22.32 2.03 -0.80 | 24.00 2.04 -2.53 | 24.42 2.06 -2.76 | 25.42 2.06 -3.72 | 27.93 2.27 -4.61 | 29.82 2.45 -5.30 | 30.32 2.77 -2.58 | 32.55 2.77 -4.18 | 27.16 2.50 -0.80 | 24.65 2.24 -0.85 | 21.49 1.76 0.00 | 18.42 1.09 0.00 |
| PPL_SHRM_GT3 24213 | 17.32 1.55 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.33 0.91 -2.91 | 14.18 0.87 -2.95 | 14.55 0.89 -2.68 | 14.37 1.25 0.00 | 15.89 1.22 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -2.97 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.19 2.23 -2.53 | 24.63 2.27 -2.76 | 25.65 2.30 -3.72 | 28.20 2.55 -4.61 | 30.08 2.71 -5.30 | 30.64 3.10 -2.58 | 32.88 3.10 -4.18 | 27.42 2.77 -0.80 | 24.86 2.46 -0.85 | 21.67 1.94 0.00 | 18.54 1.21 0.00 |
| PPL_SHRM_GT4 24214 | 17.32 1.55 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.33 0.91 -2.91 | 14.18 0.87 -2.95 | 14.55 0.89 -2.68 | 14.37 1.25 0.00 | 15.89 1.22 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -2.97 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.19 2.23 -2.53 | 24.63 2.27 -2.76 | 25.65 2.30 -3.72 | 28.20 2.55 -4.61 | 30.08 2.71 -5.30 | 30.64 3.10 -2.58 | 32.88 3.10 -4.18 | 27.42 2.77 -0.80 | 24.86 2.46 -0.85 | 21.67 1.94 0.00 | 18.54 1.21 0.00 |
| PROJECT___ORANGE 1 24174 | 15.66 0.02 -0.02 | 13.29 0.04 -0.34 | 12.36 0.01 -0.21 | 10.91 -0.02 -0.43 | 10.81 0.02 -0.44 | 11.40 0.02 -0.40 | 13.17 0.05 0.00 | 14.60 -0.07 0.00 | 16.85 -0.08 -0.03 | 17.48 -0.10 -0.44 | 19.30 -0.14 -0.07 | 19.05 -0.11 -0.02 | 19.41 -0.08 0.00 | 19.37 -0.06 0.00 | 19.58 -0.02 0.00 | 19.62 -0.02 0.00 | 20.95 -0.11 0.00 | 22.48 0.07 -0.35 | 25.23 0.10 -0.17 | 26.04 0.00 -0.43 | 23.89 0.00 -0.04 | 21.53 -0.06 -0.04 | 19.66 -0.08 0.00 | 17.37 0.03 0.00 |
| PROJECT___ORANGE 2 24166 | 15.66 0.02 -0.02 | 13.29 0.04 -0.34 | 12.36 0.01 -0.21 | 10.91 -0.02 -0.43 | 10.81 0.02 -0.44 | 11.40 0.02 -0.40 | 13.17 0.05 0.00 | 14.60 -0.07 0.00 | 16.85 -0.08 -0.03 | 17.48 -0.10 -0.44 | 19.30 -0.14 -0.07 | 19.05 -0.11 -0.02 | 19.41 -0.08 0.00 | 19.37 -0.06 0.00 | 19.58 -0.02 0.00 | 19.62 -0.02 0.00 | 20.95 -0.11 0.00 | 22.48 0.07 -0.35 | 25.23 0.10 -0.17 | 26.04 0.00 -0.43 | 23.89 0.00 -0.04 | 21.53 -0.06 -0.04 | 19.66 -0.08 0.00 | 17.37 0.03 0.00 |

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|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PUCKETT___SOLAR 323809 | 16.13 | 14.15 | 13.00 | 11.85 | 11.75 | 12.30 | 13.54 | 15.01 | 17.30 | 18.57 | 19.91 | 19.55 | 19.90 | 19.85 | 20.07 | 20.13 | 21.54 | 23.61 | 26.21 | 27.29 | 24.65 | 22.29 | 20.29 | 17.88 |
| | 0.45 | 0.37 | 0.33 | 0.25 | 0.28 | 0.32 | 0.42 | 0.34 | 0.32 | 0.31 | 0.37 | 0.36 | 0.41 | 0.43 | 0.47 | 0.49 | 0.48 | 0.66 | 0.82 | 0.74 | 0.72 | 0.65 | 0.55 | 0.55 |
| | -0.06 | -0.86 | -0.54 | -1.09 | -1.11 | -1.01 | 0.00 | 0.00 | -0.08 | -1.12 | -0.17 | -0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.88 | -0.43 | -0.94 | -0.08 | -0.09 | 0.00 | 0.00 |
| PYRITES___HYD 24023 | 15.56 | 12.92 | 12.15 | 10.64 | 10.42 | 11.05 | 13.04 | 14.71 | 16.98 | 17.35 | 19.41 | 19.00 | 19.24 | 19.13 | 19.25 | 19.26 | 20.74 | 21.78 | 24.56 | 25.30 | 23.51 | 21.41 | 19.76 | 17.28 |
| | -0.06 | -0.08 | -0.04 | 0.02 | -0.05 | -0.03 | -0.08 | 0.04 | 0.07 | 0.09 | 0.02 | -0.15 | -0.25 | -0.29 | -0.35 | -0.37 | -0.32 | -0.38 | -0.45 | -0.41 | -0.36 | -0.15 | 0.02 | -0.05 |
| | -0.01 | -0.09 | -0.05 | -0.11 | -0.11 | -0.10 | 0.00 | 0.00 | -0.01 | -0.11 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.09 | -0.04 | -0.11 | -0.01 | -0.01 | 0.00 | 0.00 |
| QUAKERRD_115KV_BK1 80622 | 15.32 | 13.12 | 12.20 | 10.80 | 10.71 | 11.27 | 12.89 | 14.17 | 16.38 | 17.09 | 18.77 | 18.44 | 18.87 | 18.84 | 19.07 | 19.14 | 20.38 | 22.05 | 24.74 | 25.49 | 23.33 | 21.00 | 19.16 | 17.12 |
| | -0.33 | -0.18 | -0.18 | -0.20 | -0.16 | -0.16 | -0.24 | -0.50 | -0.56 | -0.57 | -0.68 | -0.73 | -0.62 | -0.58 | -0.53 | -0.49 | -0.67 | -0.42 | -0.42 | -0.61 | -0.57 | -0.60 | -0.57 | -0.21 |
| | -0.03 | -0.39 | -0.24 | -0.50 | -0.50 | -0.46 | 0.00 | 0.00 | -0.03 | -0.51 | -0.08 | -0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.40 | -0.19 | -0.50 | -0.04 | -0.05 | 0.00 | 0.00 |
| QUEENSBRY_115KV_TB8 356137 | 17.02 | 16.86 | 14.90 | 15.04 | 14.96 | 15.36 | 14.18 | 15.81 | 18.57 | 22.46 | 21.71 | 21.04 | 21.05 | 20.96 | 21.13 | 21.07 | 22.88 | 27.17 | 28.95 | 31.81 | 26.46 | 23.83 | 21.35 | 18.60 |
| | 1.20 | 0.98 | 0.92 | 0.78 | 0.80 | 0.92 | 1.06 | 1.14 | 1.40 | 1.47 | 1.76 | 1.74 | 1.56 | 1.53 | 1.53 | 1.43 | 1.83 | 2.07 | 2.52 | 2.41 | 2.29 | 1.92 | 1.62 | 1.27 |
| | -0.20 | -2.97 | -1.84 | -3.75 | -3.81 | -3.46 | 0.00 | 0.00 | -0.26 | -3.83 | -0.57 | -0.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.03 | -1.46 | -3.80 | -0.31 | -0.36 | 0.00 | 0.00 |
| RAMAPO___LBMP 323565 | 16.64 | 15.78 | 14.13 | 13.81 | 13.70 | 14.08 | 13.83 | 15.39 | 17.91 | 20.83 | 20.82 | 20.33 | 20.62 | 20.55 | 20.76 | 20.77 | 22.29 | 25.67 | 27.54 | 29.84 | 25.42 | 23.02 | 20.72 | 18.02 |
| | 0.87 | 0.68 | 0.63 | 0.54 | 0.54 | 0.55 | 0.71 | 0.72 | 0.81 | 0.86 | 1.03 | 1.07 | 1.13 | 1.13 | 1.16 | 1.14 | 1.24 | 1.37 | 1.50 | 1.43 | 1.34 | 1.21 | 0.99 | 0.69 |
| | -0.14 | -2.19 | -1.36 | -2.77 | -2.81 | -2.55 | 0.00 | 0.00 | -0.19 | -2.82 | -0.42 | -0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.23 | -1.08 | -2.80 | -0.23 | -0.27 | 0.00 | 0.00 |
| RANKINE____ 23646 | 15.62 | 13.41 | 12.44 | 11.04 | 10.97 | 11.56 | 13.19 | 14.35 | 16.41 | 17.19 | 18.67 | 18.50 | 19.06 | 19.09 | 19.40 | 19.48 | 20.69 | 22.32 | 24.91 | 25.61 | 23.43 | 21.07 | 19.48 | 17.69 |
| | -0.03 | 0.01 | 0.00 | -0.08 | -0.01 | 0.01 | 0.07 | -0.32 | -0.54 | -0.58 | -0.79 | -0.67 | -0.43 | -0.33 | -0.20 | -0.16 | -0.36 | -0.24 | -0.30 | -0.61 | -0.48 | -0.54 | -0.26 | 0.36 |
| | -0.03 | -0.49 | -0.30 | -0.61 | -0.62 | -0.57 | 0.00 | 0.00 | -0.04 | -0.63 | -0.09 | -0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.50 | -0.24 | -0.62 | -0.05 | -0.06 | 0.00 | 0.00 |
| RAVENSWOOD_GT2_1 24244 | 16.87 | 16.04 | 14.33 | 14.07 | 13.97 | 14.33 | 14.00 | 15.56 | 18.11 | 21.20 | 21.09 | 20.62 | 20.95 | 20.88 | 21.05 | 21.07 | 22.61 | 26.09 | 27.92 | 30.31 | 25.77 | 23.32 | 21.02 | 18.21 |
| | 1.09 | 0.84 | 0.76 | 0.66 | 0.66 | 0.67 | 0.88 | 0.89 | 1.00 | 1.08 | 1.28 | 1.36 | 1.46 | 1.46 | 1.45 | 1.43 | 1.56 | 1.68 | 1.82 | 1.77 | 1.67 | 1.49 | 1.28 | 0.88 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| RAVENSWOOD_GT2_2 24245 | 16.87 | 16.04 | 14.33 | 14.07 | 13.97 | 14.33 | 14.00 | 15.56 | 18.11 | 21.20 | 21.09 | 20.62 | 20.95 | 20.88 | 21.05 | 21.07 | 22.61 | 26.09 | 27.92 | 30.31 | 25.77 | 23.32 | 21.02 | 18.21 |
| | 1.09 | 0.84 | 0.76 | 0.66 | 0.66 | 0.67 | 0.88 | 0.89 | 1.00 | 1.08 | 1.28 | 1.36 | 1.46 | 1.46 | 1.45 | 1.43 | 1.56 | 1.68 | 1.82 | 1.77 | 1.67 | 1.49 | 1.28 | 0.88 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| RAVENSWOOD_GT2_3 24246 | 16.87 | 16.04 | 14.34 | 14.07 | 13.97 | 14.33 | 14.00 | 15.58 | 18.12 | 21.21 | 21.11 | 20.64 | 20.95 | 20.88 | 21.07 | 21.07 | 22.63 | 26.09 | 27.94 | 30.31 | 25.79 | 23.34 | 21.04 | 18.23 |
| | 1.09 | 0.84 | 0.78 | 0.66 | 0.66 | 0.67 | 0.88 | 0.91 | 1.01 | 1.10 | 1.30 | 1.38 | 1.46 | 1.46 | 1.47 | 1.43 | 1.58 | 1.68 | 1.85 | 1.77 | 1.69 | 1.51 | 1.30 | 0.90 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| RAVENSWOOD_GT2_4 24247 | 16.87 | 16.04 | 14.34 | 14.07 | 13.97 | 14.33 | 14.00 | 15.58 | 18.12 | 21.21 | 21.11 | 20.64 | 20.95 | 20.88 | 21.07 | 21.07 | 22.63 | 26.09 | 27.94 | 30.31 | 25.79 | 23.34 | 21.04 | 18.23 |
| | 1.09 | 0.84 | 0.78 | 0.66 | 0.66 | 0.67 | 0.88 | 0.91 | 1.01 | 1.10 | 1.30 | 1.38 | 1.46 | 1.46 | 1.47 | 1.43 | 1.58 | 1.68 | 1.85 | 1.77 | 1.69 | 1.51 | 1.30 | 0.90 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| RAVENSWOOD_GT3_1 24248 | 16.87 | 16.04 | 14.33 | 14.07 | 13.97 | 14.33 | 14.00 | 15.56 | 18.11 | 21.20 | 21.09 | 20.64 | 20.95 | 20.88 | 21.07 | 21.07 | 22.61 | 26.09 | 27.92 | 30.31 | 25.77 | 23.34 | 21.02 | 18.21 |
| | 1.09 | 0.84 | 0.76 | 0.66 | 0.66 | 0.67 | 0.88 | 0.89 | 1.00 | 1.08 | 1.28 | 1.38 | 1.46 | 1.46 | 1.47 | 1.43 | 1.56 | 1.68 | 1.82 | 1.77 | 1.67 | 1.51 | 1.28 | 0.88 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| RAVENSWOOD_GT3_2 24249 | 16.87 | 16.04 | 14.33 | 14.07 | 13.97 | 14.33 | 14.00 | 15.56 | 18.11 | 21.20 | 21.09 | 20.64 | 20.95 | 20.88 | 21.07 | 21.07 | 22.61 | 26.09 | 27.92 | 30.31 | 25.77 | 23.34 | 21.02 | 18.21 |
| | 1.09 | 0.84 | 0.76 | 0.66 | 0.66 | 0.67 | 0.88 | 0.89 | 1.00 | 1.08 | 1.28 | 1.38 | 1.46 | 1.46 | 1.47 | 1.43 | 1.56 | 1.68 | 1.82 | 1.77 | 1.67 | 1.51 | 1.28 | 0.88 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| RAVENSWOOD_GT3_3 24250 | 16.88 | 16.06 | 14.34 | 14.08 | 13.98 | 14.34 | 14.01 | 15.58 | 18.14 | 21.21 | 21.11 | 20.66 | 20.97 | 20.90 | 21.09 | 21.09 | 22.65 | 26.11 | 27.97 | 30.34 | 25.79 | 23.36 | 21.04 | 18.23 |
| | 1.11 | 0.85 | 0.78 | 0.67 | 0.67 | 0.68 | 0.89 | 0.91 | 1.03 | 1.10 | 1.30 | 1.40 | 1.48 | 1.48 | 1.49 | 1.45 | 1.60 | 1.70 | 1.87 | 1.79 | 1.69 | 1.53 | 1.30 | 0.90 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| RAVENSWOOD_GT3_4 24251 | 16.88 | 16.06 | 14.34 | 14.08 | 13.98 | 14.34 | 14.01 | 15.58 | 18.14 | 21.21 | 21.11 | 20.66 | 20.97 | 20.90 | 21.09 | 21.09 | 22.65 | 26.11 | 27.97 | 30.34 | 25.79 | 23.36 | 21.04 | 18.23 |
| | 1.11 | 0.85 | 0.78 | 0.67 | 0.67 | 0.68 | 0.89 | 0.91 | 1.03 | 1.10 | 1.30 | 1.40 | 1.48 | 1.48 | 1.49 | 1.45 | 1.60 | 1.70 | 1.87 | 1.79 | 1.69 | 1.53 | 1.30 | 0.90 |
| | -0.15 | -2.30 | -1.43 | -2.91 | -2.95 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -1.13 | -2.94 | -0.24 | -0.28 | 0.00 | 0.00 |
| RAVENSWOOD_GT_1 23729 | 16.94 | 16.10 | 14.40 | 14.12 | 14.02 | 14.37 | 14.01 | 15.59 | 18.12 | 21.25 | 21.15 | 20.72 | 21.04 | 20.97 | 21.16 | 21.16 | 22.72 | 26.21 | 28.05 | 30.29 | 25.88 | 23.45 | 21.09 | 18.31 |
| | 1.16 | 0.89 | 0.83 | 0.70 | 0.70 | 0.71 | 0.89 | 0.92 | 1.01 | 1.13 | 1.34 | 1.45 | 1.54 | 1.53 | 1.55 | 1.51 | 1.66 | 1.79 | 1.95 | 1.87 | 1.79 | 1.62 | 1.34 | 0.97 |
| | -0.16 | -2.31 | -1.44 | -2.91 | -2.96 | -2.68 | 0.00 | 0.00 | -0.20 | -2.97 | -0.44 | -0.12 | -0.01 | -0.01 | -0.01 | -0.01 | -0.01 | -2.36 | -1.14 | -2.82 | -0.23 | -0.28 | -0.01 | -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| RAVENSWOOD_GT_10 24258 | 16.87 1.09 -0.15 | 16.05 0.84 -2.30 | 14.33 0.76 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 14.00 0.88 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.94 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.92 1.82 -1.13 | 30.31 1.77 -2.94 | 25.77 1.67 -0.24 | 23.32 1.49 -0.28 | 21.02 1.28 0.00 | 18.22 0.88 0.00 |
| RAVENSWOOD_GT_11 24259 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.08 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.97 0.85 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.94 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.92 1.82 -1.13 | 30.19 1.77 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| RAVENSWOOD_GT_4 24252 | 16.86 1.08 -0.16 | 16.04 0.83 -2.30 | 14.32 0.75 -1.43 | 14.07 0.65 -2.91 | 13.97 0.65 -2.96 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.94 1.44 -0.01 | 20.87 1.44 -0.01 | 21.04 1.43 -0.01 | 21.06 1.41 -0.01 | 22.59 1.54 -0.01 | 26.07 1.65 -2.35 | 27.90 1.80 -1.14 | 30.28 1.74 -2.94 | 25.74 1.65 -0.24 | 23.30 1.47 -0.29 | 21.00 1.26 -0.01 | 18.20 0.87 -0.01 |
| RAVENSWOOD_GT_5 24254 | 16.86 1.08 -0.16 | 16.04 0.83 -2.30 | 14.32 0.75 -1.43 | 14.07 0.65 -2.91 | 13.97 0.65 -2.96 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.94 1.44 -0.01 | 20.87 1.44 -0.01 | 21.04 1.43 -0.01 | 21.06 1.41 -0.01 | 22.59 1.54 -0.01 | 26.07 1.65 -2.35 | 27.90 1.80 -1.14 | 30.28 1.74 -2.94 | 25.74 1.65 -0.24 | 23.30 1.47 -0.29 | 21.00 1.26 -0.01 | 18.20 0.87 -0.01 |
| RAVENSWOOD_GT_6 24253 | 16.86 1.08 -0.16 | 16.04 0.83 -2.30 | 14.32 0.75 -1.43 | 14.07 0.65 -2.91 | 13.97 0.65 -2.96 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.94 1.44 -0.01 | 20.87 1.44 -0.01 | 21.04 1.43 -0.01 | 21.06 1.41 -0.01 | 22.59 1.54 -0.01 | 26.07 1.65 -2.35 | 27.90 1.80 -1.14 | 30.28 1.74 -2.94 | 25.74 1.65 -0.24 | 23.30 1.47 -0.29 | 21.00 1.26 -0.01 | 18.20 0.87 -0.01 |
| RAVENSWOOD_GT_7 24255 | 16.86 1.08 -0.16 | 16.04 0.83 -2.30 | 14.32 0.75 -1.43 | 14.07 0.65 -2.91 | 13.97 0.65 -2.96 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.94 1.44 -0.01 | 20.87 1.44 -0.01 | 21.04 1.43 -0.01 | 21.06 1.41 -0.01 | 22.59 1.54 -0.01 | 26.07 1.65 -2.35 | 27.90 1.80 -1.14 | 30.28 1.74 -2.94 | 25.74 1.65 -0.24 | 23.30 1.47 -0.29 | 21.00 1.26 -0.01 | 18.20 0.87 -0.01 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 16.87 1.09 -0.15 | 16.05 0.84 -2.30 | 14.33 0.76 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 14.00 0.88 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.94 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.92 1.82 -1.13 | 30.31 1.77 -2.94 | 25.77 1.67 -0.24 | 23.32 1.49 -0.28 | 21.02 1.28 0.00 | 18.22 0.88 0.00 |
| RAVENSWOOD_GT_9 24257 | 16.87 1.09 -0.15 | 16.05 0.84 -2.30 | 14.33 0.76 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 14.00 0.88 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.09 1.28 -0.44 | 20.62 1.36 -0.12 | 20.94 1.44 0.00 | 20.88 1.46 0.00 | 21.05 1.45 0.00 | 21.07 1.43 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.92 1.82 -1.13 | 30.31 1.77 -2.94 | 25.77 1.67 -0.24 | 23.32 1.49 -0.28 | 21.02 1.28 0.00 | 18.22 0.88 0.00 |
| RAVENSWOOD___1 23533 | 16.94 1.16 -0.16 | 16.10 0.89 -2.31 | 14.40 0.83 -1.44 | 14.12 0.70 -2.91 | 14.02 0.70 -2.96 | 14.37 0.71 -2.68 | 14.01 0.89 0.00 | 15.59 0.92 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.04 1.54 -0.01 | 20.97 1.53 -0.01 | 21.16 1.55 -0.01 | 21.16 1.51 -0.01 | 22.72 1.66 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.29 1.87 -2.82 | 25.88 1.79 -0.23 | 23.45 1.62 -0.28 | 21.09 1.34 -0.01 | 18.31 0.97 -0.01 |
| RAVENSWOOD___2 23534 | 16.94 1.16 -0.16 | 16.10 0.89 -2.31 | 14.40 0.83 -1.44 | 14.12 0.70 -2.91 | 14.02 0.70 -2.96 | 14.37 0.71 -2.68 | 13.99 0.87 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.21 1.10 -2.97 | 21.11 1.30 -0.44 | 20.68 1.42 -0.12 | 21.00 1.50 -0.01 | 20.95 1.52 -0.01 | 21.12 1.51 -0.01 | 21.13 1.49 -0.01 | 22.68 1.62 -0.01 | 26.16 1.74 -2.36 | 28.00 1.90 -1.14 | 30.27 1.84 -2.82 | 25.83 1.74 -0.23 | 23.40 1.57 -0.28 | 21.05 1.30 -0.01 | 18.27 0.94 -0.01 |
| RAVENSWOOD___3 23535 | 16.87 1.09 -0.15 | 16.04 0.84 -2.30 | 14.33 0.77 -1.43 | 14.07 0.66 -2.91 | 13.97 0.66 -2.95 | 14.33 0.67 -2.68 | 13.97 0.85 0.00 | 15.56 0.89 0.00 | 18.11 1.00 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.95 1.46 0.00 | 20.88 1.46 0.00 | 21.07 1.47 0.00 | 21.07 1.43 0.00 | 22.63 1.58 0.00 | 26.09 1.68 -2.35 | 27.92 1.82 -1.13 | 30.19 1.77 -2.82 | 25.76 1.67 -0.23 | 23.35 1.53 -0.27 | 21.00 1.26 0.00 | 18.21 0.88 0.00 |
| RAVENSWOOD___4 23820 | 16.94 1.16 -0.16 | 16.10 0.89 -2.31 | 14.40 0.83 -1.44 | 14.12 0.70 -2.91 | 14.02 0.70 -2.96 | 14.37 0.71 -2.68 | 14.01 0.89 0.00 | 15.59 0.92 0.00 | 18.12 1.01 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.72 1.45 -0.12 | 21.04 1.54 -0.01 | 20.97 1.53 -0.01 | 21.16 1.55 -0.01 | 21.16 1.51 -0.01 | 22.72 1.66 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.29 1.87 -2.82 | 25.88 1.79 -0.23 | 23.45 1.62 -0.28 | 21.09 1.34 -0.01 | 18.31 0.97 -0.01 |
| RCPL_TRUST___DRP 24196 | 16.88 1.11 -0.15 | 16.06 0.85 -2.30 | 14.34 0.78 -1.43 | 14.08 0.67 -2.91 | 13.98 0.67 -2.95 | 14.34 0.68 -2.68 | 14.01 0.89 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.21 1.10 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.97 1.48 0.00 | 20.90 1.48 0.00 | 21.09 1.49 0.00 | 21.09 1.45 0.00 | 22.63 1.58 0.00 | 26.11 1.70 -2.35 | 27.94 1.85 -1.13 | 30.31 1.77 -2.94 | 25.79 1.69 -0.24 | 23.34 1.51 -0.28 | 21.04 1.30 0.00 | 18.23 0.90 0.00 |
| RED___ROCHESTER 323720 | 15.79 0.14 -0.03 | 13.53 0.22 -0.40 | 12.57 0.18 -0.25 | 11.13 0.12 -0.51 | 11.03 0.16 -0.51 | 11.61 0.16 -0.47 | 13.28 0.16 0.00 | 14.57 -0.10 0.00 | 16.80 -0.14 -0.04 | 17.55 -0.12 -0.52 | 19.22 -0.23 -0.08 | 18.95 -0.21 -0.02 | 19.40 -0.10 0.00 | 19.39 -0.04 0.00 | 19.62 0.02 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.72 0.24 -0.41 | 25.51 0.35 -0.20 | 26.07 0.13 -0.34 | 24.00 0.12 -0.03 | 21.63 0.04 -0.03 | 19.85 0.12 0.00 | 17.69 0.36 0.00 |
| REGAN___SOLAR 323812 | 17.40 1.58 -0.20 | 17.20 1.30 -2.99 | 15.22 1.23 -1.86 | 15.35 1.06 -3.78 | 15.25 1.06 -3.84 | 15.74 1.27 -3.49 | 14.68 1.56 0.00 | 16.25 1.58 0.00 | 19.03 1.86 -0.27 | 22.86 1.85 -3.86 | 22.06 2.11 -0.58 | 21.56 2.26 -0.16 | 21.77 2.28 0.00 | 21.74 2.31 0.00 | 22.05 2.45 0.00 | 22.09 2.45 0.00 | 23.83 2.78 0.00 | 28.34 3.22 -3.06 | 30.03 3.60 -1.47 | 32.70 3.41 -3.70 | 27.45 3.29 -0.30 | 24.64 2.74 -0.35 | 22.00 2.27 0.00 | 19.12 1.79 0.00 |

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|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| RENSSELAER___COGEN 23796 | 16.22 0.41 -0.19 | 16.14 0.35 -2.89 | 14.27 0.34 -1.79 | 14.44 0.28 -3.65 | 14.35 0.29 -3.70 | 14.66 0.32 -3.36 | 13.50 0.38 0.00 | 15.04 0.37 0.00 | 17.58 0.42 -0.26 | 21.25 0.38 -3.73 | 20.41 0.48 -0.56 | 19.77 0.48 -0.15 | 19.96 0.47 0.00 | 19.91 0.49 0.00 | 20.09 0.49 0.00 | 20.11 0.47 0.00 | 21.58 0.53 0.00 | 25.63 0.62 -2.95 | 27.08 0.70 -1.42 | 29.78 0.61 -3.57 | 24.74 0.60 -0.29 | 22.43 0.54 -0.34 | 20.07 0.34 0.00 | 17.59 0.26 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 17.63 1.81 -0.20 | 17.35 1.47 -2.97 | 15.37 1.40 -1.84 | 15.45 1.19 -3.75 | 15.37 1.20 -3.81 | 15.87 1.44 -3.46 | 14.76 1.64 0.00 | 16.49 1.82 0.00 | 19.42 2.25 -0.26 | 23.36 2.38 -3.83 | 22.75 2.81 -0.57 | 22.05 2.76 -0.15 | 22.05 2.55 0.00 | 21.95 2.53 0.00 | 22.13 2.53 0.00 | 22.05 2.42 0.00 | 24.02 2.97 0.00 | 28.45 3.35 -3.03 | 30.32 3.89 -1.46 | 33.14 3.74 -3.80 | 27.77 3.60 -0.31 | 24.89 2.97 -0.36 | 22.26 2.53 0.00 | 19.32 1.99 0.00 |
| REVERE_CPPR_DRP 24186 | 16.09 0.45 -0.02 | 13.55 0.39 -0.26 | 12.64 0.34 -0.16 | 11.10 0.26 -0.33 | 10.97 0.28 -0.33 | 11.62 0.34 -0.30 | 13.55 0.43 0.00 | 15.02 0.35 0.00 | 17.33 0.41 -0.02 | 17.91 0.43 -0.34 | 19.89 0.46 -0.05 | 19.62 0.46 -0.01 | 19.94 0.45 0.00 | 19.87 0.45 0.00 | 20.07 0.47 0.00 | 20.09 0.45 0.00 | 21.51 0.46 0.00 | 22.99 0.66 -0.27 | 25.94 0.85 -0.13 | 26.73 0.79 -0.33 | 24.60 0.72 -0.03 | 22.17 0.58 -0.03 | 20.25 0.51 0.00 | 17.85 0.52 0.00 |
| REYNOLDS_115KV_TB3 80639 | 16.33 0.52 -0.19 | 16.25 0.45 -2.89 | 14.35 0.42 -1.79 | 14.52 0.36 -3.65 | 14.43 0.36 -3.71 | 14.74 0.40 -3.37 | 13.58 0.46 0.00 | 15.12 0.45 0.00 | 17.70 0.54 -0.26 | 21.37 0.50 -3.73 | 20.55 0.62 -0.56 | 19.91 0.61 -0.15 | 20.12 0.62 0.00 | 20.05 0.62 0.00 | 20.23 0.63 0.00 | 20.24 0.61 0.00 | 21.73 0.67 0.00 | 25.79 0.77 -2.95 | 27.26 0.87 -1.42 | 30.12 0.82 -3.70 | 24.92 0.76 -0.30 | 22.59 0.69 -0.35 | 20.27 0.53 0.00 | 17.71 0.38 0.00 |
| RIVERBAY____ 323610 | 17.17 1.39 -0.16 | 16.32 1.11 -2.31 | 14.60 1.03 -1.44 | 14.30 0.88 -2.91 | 14.19 0.88 -2.96 | 14.56 0.90 -2.68 | 14.22 1.10 0.00 | 15.74 1.07 0.00 | 18.24 1.13 -0.20 | 21.38 1.27 -2.97 | 21.29 1.47 -0.44 | 20.85 1.59 -0.12 | 21.23 1.73 -0.01 | 21.18 1.75 -0.01 | 21.37 1.76 -0.01 | 21.39 1.75 -0.01 | 22.93 1.87 -0.01 | 26.43 2.01 -2.36 | 28.35 2.25 -1.14 | 30.75 2.20 -2.94 | 26.15 2.05 -0.24 | 23.74 1.90 -0.29 | 21.40 1.66 -0.01 | 18.60 1.27 -0.01 |
| RIVERSDE_115KV_TB3 55908 | 16.28 0.47 -0.19 | 16.21 0.41 -2.89 | 14.32 0.39 -1.80 | 14.49 0.33 -3.66 | 14.40 0.33 -3.71 | 14.72 0.37 -3.37 | 13.55 0.43 0.00 | 15.10 0.43 0.00 | 17.65 0.49 -0.26 | 21.33 0.45 -3.74 | 20.49 0.56 -0.56 | 19.87 0.57 -0.15 | 20.06 0.57 0.00 | 19.99 0.56 0.00 | 20.17 0.57 0.00 | 20.18 0.55 0.00 | 21.68 0.63 0.00 | 25.73 0.71 -2.96 | 27.21 0.82 -1.42 | 30.05 0.74 -3.70 | 24.85 0.69 -0.30 | 22.53 0.62 -0.35 | 20.21 0.47 0.00 | 17.66 0.33 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 15.46 -0.17 -0.01 | 12.95 -0.14 -0.18 | 12.09 -0.16 -0.11 | 10.58 -0.16 -0.23 | 10.45 -0.13 -0.23 | 11.07 -0.12 -0.21 | 12.99 -0.13 0.00 | 14.45 -0.22 0.00 | 16.68 -0.24 -0.02 | 17.18 -0.21 -0.23 | 19.21 -0.19 -0.03 | 19.00 -0.15 -0.01 | 19.36 -0.14 0.00 | 19.29 -0.14 0.00 | 19.48 -0.12 0.00 | 19.50 -0.14 0.00 | 20.86 -0.19 0.00 | 22.18 -0.07 -0.18 | 24.98 -0.07 -0.09 | 25.35 -0.26 0.00 | 23.62 -0.24 0.00 | 21.36 -0.19 0.00 | 19.54 -0.20 0.00 | 17.17 -0.16 0.00 |
| ROCHESRG_115KV_T4 355643 | 15.66 0.02 -0.03 | 13.42 0.12 -0.40 | 12.48 0.10 -0.25 | 11.04 0.03 -0.50 | 10.94 0.07 -0.51 | 11.53 0.09 -0.46 | 13.17 0.05 0.00 | 14.45 -0.22 0.00 | 16.69 -0.25 -0.04 | 17.39 -0.27 -0.51 | 19.10 -0.35 -0.08 | 18.74 -0.42 -0.02 | 19.22 -0.27 0.00 | 19.19 -0.23 0.00 | 19.44 -0.16 0.00 | 19.52 -0.12 0.00 | 20.78 -0.27 0.00 | 22.49 0.02 -0.41 | 25.24 0.07 -0.20 | 25.96 -0.15 -0.51 | 23.78 -0.12 -0.04 | 21.41 -0.19 -0.05 | 19.56 -0.18 0.00 | 17.54 0.21 0.00 |
| ROCHESTER_9_IC 23652 | 15.73 0.08 -0.03 | 13.49 0.18 -0.40 | 12.53 0.15 -0.25 | 11.08 0.07 -0.51 | 11.00 0.12 -0.51 | 11.58 0.13 -0.47 | 13.24 0.12 0.00 | 14.51 -0.16 0.00 | 16.75 -0.19 -0.04 | 17.48 -0.19 -0.52 | 19.20 -0.25 -0.08 | 18.84 -0.33 -0.02 | 19.32 -0.18 0.00 | 19.29 -0.14 0.00 | 19.54 -0.06 0.00 | 19.62 -0.02 0.00 | 20.88 -0.17 0.00 | 22.61 0.13 -0.41 | 25.39 0.22 -0.20 | 26.11 0.00 -0.51 | 23.92 0.02 -0.04 | 21.51 -0.09 -0.05 | 19.66 -0.08 0.00 | 17.63 0.29 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 16.83 1.06 -0.15 | 16.03 0.83 -2.30 | 14.31 0.75 -1.43 | 14.06 0.65 -2.91 | 13.95 0.64 -2.95 | 14.32 0.66 -2.68 | 13.99 0.87 0.00 | 15.55 0.88 0.00 | 18.12 1.01 -0.20 | 21.20 1.08 -2.97 | 21.11 1.30 -0.44 | 20.62 1.36 -0.12 | 20.92 1.42 0.00 | 20.86 1.44 0.00 | 21.05 1.45 0.00 | 21.05 1.41 0.00 | 22.61 1.56 0.00 | 26.09 1.68 -2.35 | 27.97 1.87 -1.13 | 30.34 1.79 -2.94 | 25.77 1.67 -0.24 | 23.32 1.49 -0.28 | 21.00 1.26 0.00 | 18.20 0.87 0.00 |
| ROME____115KV_TB2 80656 | 16.09 0.45 -0.02 | 13.55 0.39 -0.26 | 12.64 0.34 -0.16 | 11.10 0.26 -0.33 | 10.97 0.28 -0.33 | 11.62 0.34 -0.30 | 13.55 0.43 0.00 | 15.02 0.35 0.00 | 17.33 0.41 -0.02 | 17.91 0.43 -0.34 | 19.89 0.46 -0.05 | 19.62 0.46 -0.01 | 19.94 0.45 0.00 | 19.87 0.45 0.00 | 20.07 0.47 0.00 | 20.09 0.45 0.00 | 21.51 0.46 0.00 | 22.99 0.66 -0.27 | 25.94 0.85 -0.13 | 26.73 0.79 -0.33 | 24.60 0.72 -0.03 | 22.17 0.58 -0.03 | 20.25 0.51 0.00 | 17.85 0.52 0.00 |
| ROSETON___1 23587 | 16.62 0.84 -0.15 | 15.86 0.66 -2.30 | 14.17 0.61 -1.43 | 13.93 0.51 -2.91 | 13.82 0.52 -2.95 | 14.18 0.53 -2.68 | 13.78 0.66 0.00 | 15.36 0.69 0.00 | 17.89 0.78 -0.20 | 20.94 0.82 -2.97 | 20.80 0.99 -0.44 | 20.30 1.03 -0.12 | 20.56 1.07 0.00 | 20.49 1.07 0.00 | 20.68 1.08 0.00 | 20.69 1.06 0.00 | 22.21 1.16 0.00 | 25.69 1.28 -2.35 | 27.52 1.42 -1.13 | 29.78 1.36 -2.82 | 25.35 1.26 -0.23 | 22.98 1.16 -0.27 | 20.64 0.91 0.00 | 17.99 0.66 0.00 |
| ROSETON___2 23588 | 16.62 0.84 -0.15 | 15.86 0.66 -2.30 | 14.17 0.61 -1.43 | 13.93 0.51 -2.91 | 13.82 0.52 -2.95 | 14.18 0.53 -2.68 | 13.78 0.66 0.00 | 15.36 0.69 0.00 | 17.89 0.78 -0.20 | 20.94 0.82 -2.97 | 20.80 0.99 -0.44 | 20.30 1.03 -0.12 | 20.56 1.07 0.00 | 20.49 1.07 0.00 | 20.68 1.08 0.00 | 20.69 1.06 0.00 | 22.21 1.16 0.00 | 25.69 1.28 -2.35 | 27.52 1.42 -1.13 | 29.78 1.36 -2.82 | 25.35 1.26 -0.23 | 22.98 1.16 -0.27 | 20.64 0.91 0.00 | 17.99 0.66 0.00 |
| ROTTRDAM_115KV_TB3 80664 | 16.51 0.69 -0.20 | 16.48 0.58 -2.99 | 14.53 0.53 -1.86 | 14.74 0.45 -3.78 | 14.65 0.46 -3.84 | 14.97 0.51 -3.49 | 13.73 0.60 0.00 | 15.27 0.60 0.00 | 17.88 0.71 -0.27 | 21.75 0.74 -3.86 | 20.82 0.87 -0.58 | 20.18 0.88 -0.16 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.48 0.88 0.00 | 20.52 0.88 0.00 | 22.04 0.99 0.00 | 26.24 1.13 -3.06 | 27.74 1.30 -1.47 | 30.63 1.20 -3.83 | 25.31 1.15 -0.31 | 22.91 0.99 -0.36 | 20.54 0.81 0.00 | 17.95 0.62 0.00 |
| RUSSELL___1 23602 | 15.79 0.14 -0.03 | 13.53 0.22 -0.40 | 12.57 0.18 -0.25 | 11.13 0.12 -0.51 | 11.03 0.16 -0.51 | 11.61 0.16 -0.47 | 13.28 0.16 0.00 | 14.57 -0.10 0.00 | 16.82 -0.12 -0.04 | 17.53 -0.14 -0.52 | 19.27 -0.17 -0.08 | 18.92 -0.25 -0.02 | 19.39 -0.10 0.00 | 19.39 -0.04 0.00 | 19.62 0.02 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.72 0.24 -0.41 | 25.51 0.35 -0.20 | 26.24 0.13 -0.51 | 24.04 0.14 -0.04 | 21.62 0.02 -0.05 | 19.74 0.00 0.00 | 17.69 0.36 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-----------------------|
| RUSSELL___2 23532 | 15.79 0.14 -0.03 | 13.53 0.22 -0.40 | 12.57 0.18 -0.25 | 11.13 0.12 -0.51 | 11.03 0.16 -0.51 | 11.61 0.16 -0.47 | 13.28 0.16 0.00 | 14.57 -0.10 0.00 | 16.82 -0.12 -0.04 | 17.53 -0.14 -0.52 | 19.27 -0.17 -0.08 | 18.92 -0.25 -0.02 | 19.39 -0.10 0.00 | 19.39 -0.04 0.00 | 19.62 0.02 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.72 0.24 -0.41 | 25.51 0.35 -0.20 | 26.24 0.13 -0.51 | 24.04 0.14 -0.04 | 21.62 0.02 -0.05 | 19.74 0.00 0.00 | 17.69 0.36 0.00 |
| RUSSELL___3 23549 | 15.79 0.14 -0.03 | 13.53 0.22 -0.40 | 12.57 0.18 -0.25 | 11.13 0.12 -0.51 | 11.03 0.16 -0.51 | 11.61 0.16 -0.47 | 13.28 0.16 0.00 | 14.57 -0.10 0.00 | 16.82 -0.12 -0.04 | 17.53 -0.14 -0.52 | 19.27 -0.17 -0.08 | 18.92 -0.25 -0.02 | 19.39 -0.10 0.00 | 19.39 -0.04 0.00 | 19.62 0.02 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.72 0.24 -0.41 | 25.51 0.35 -0.20 | 26.24 0.13 -0.51 | 24.04 0.14 -0.04 | 21.62 0.02 -0.05 | 19.74 0.00 0.00 | 17.69 0.36 0.00 |
| RUSSELL___4 23556 | 15.79 0.14 -0.03 | 13.53 0.22 -0.40 | 12.57 0.18 -0.25 | 11.13 0.12 -0.51 | 11.03 0.16 -0.51 | 11.61 0.16 -0.47 | 13.28 0.16 0.00 | 14.57 -0.10 0.00 | 16.82 -0.12 -0.04 | 17.53 -0.14 -0.52 | 19.27 -0.17 -0.08 | 18.92 -0.25 -0.02 | 19.39 -0.10 0.00 | 19.39 -0.04 0.00 | 19.62 0.02 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.72 0.24 -0.41 | 25.51 0.35 -0.20 | 26.24 0.13 -0.51 | 24.04 0.14 -0.04 | 21.62 0.02 -0.05 | 19.74 0.00 0.00 | 17.69 0.36 0.00 |
| RUSSELL___STATION 23914 | 15.79 0.14 -0.03 | 13.53 0.22 -0.40 | 12.57 0.18 -0.25 | 11.13 0.12 -0.51 | 11.03 0.16 -0.51 | 11.61 0.16 -0.47 | 13.28 0.16 0.00 | 14.57 -0.10 0.00 | 16.82 -0.12 -0.04 | 17.53 -0.14 -0.52 | 19.27 -0.17 -0.08 | 18.92 -0.25 -0.02 | 19.39 -0.10 0.00 | 19.39 -0.04 0.00 | 19.62 0.02 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.72 0.24 -0.41 | 25.51 0.35 -0.20 | 26.24 0.13 -0.51 | 24.04 0.14 -0.04 | 21.62 0.02 -0.05 | 19.74 0.00 0.00 | 17.69 0.36 0.00 |
| S SALMON___HYD 24043 | 15.86 0.22 -0.02 | 13.41 0.19 -0.31 | 12.48 0.16 -0.19 | 11.00 0.11 -0.39 | 10.89 0.13 -0.39 | 11.50 0.16 -0.36 | 13.36 0.24 0.00 | 14.80 0.13 0.00 | 17.08 0.15 -0.03 | 17.70 0.15 -0.40 | 19.59 0.15 -0.06 | 19.31 0.15 -0.02 | 19.63 0.14 0.00 | 19.58 0.15 0.00 | 19.78 0.18 0.00 | 19.83 0.20 0.00 | 21.20 0.15 0.00 | 22.78 0.40 -0.31 | 25.67 0.55 -0.15 | 26.34 0.51 -0.22 | 24.30 0.43 -0.02 | 21.90 0.32 -0.02 | 19.99 0.26 0.00 | 17.61 0.28 0.00 |
| S.PERRY___115KV_TB1 80734 | 16.12 0.47 -0.03 | 13.85 0.44 -0.51 | 12.84 0.39 -0.32 | 11.43 0.28 -0.64 | 11.36 0.35 -0.65 | 11.94 0.37 -0.59 | 13.61 0.49 0.00 | 14.90 0.23 0.00 | 17.14 0.19 -0.05 | 17.91 0.10 -0.66 | 19.55 0.08 -0.10 | 19.23 0.06 -0.03 | 19.71 0.21 0.00 | 19.72 0.29 0.00 | 19.99 0.39 0.00 | 20.11 0.47 0.00 | 21.39 0.34 0.00 | 23.31 0.73 -0.52 | 26.19 0.97 -0.25 | 27.10 0.84 -0.65 | 24.67 0.76 -0.05 | 22.20 0.58 -0.06 | 20.29 0.55 0.00 | 18.16 0.83 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 15.56 -0.09 -0.03 | 13.41 0.03 -0.47 | 12.44 0.01 -0.29 | 11.03 -0.07 -0.60 | 10.95 -0.01 -0.61 | 11.54 0.01 -0.55 | 13.12 0.00 0.00 | 14.26 -0.41 0.00 | 16.35 -0.59 -0.04 | 17.14 -0.62 -0.61 | 18.61 -0.85 -0.09 | 18.38 -0.78 -0.02 | 18.93 -0.57 0.00 | 18.96 -0.47 0.00 | 19.25 -0.35 0.00 | 19.34 -0.29 0.00 | 20.53 -0.53 0.00 | 22.22 -0.33 -0.48 | 24.82 -0.37 -0.23 | 25.49 -0.72 -0.60 | 23.33 -0.57 -0.05 | 20.98 -0.63 -0.06 | 19.34 -0.39 0.00 | 17.61 0.28 0.00 |
| SAWYER___23_KV_LOAD 55526 | 15.56 -0.09 -0.03 | 13.41 0.03 -0.47 | 12.44 0.01 -0.29 | 11.03 -0.07 -0.60 | 10.95 -0.01 -0.61 | 11.54 0.01 -0.55 | 13.12 0.00 0.00 | 14.26 -0.41 0.00 | 16.35 -0.59 -0.04 | 17.14 -0.62 -0.61 | 18.61 -0.85 -0.09 | 18.38 -0.78 -0.02 | 18.93 -0.57 0.00 | 18.96 -0.47 0.00 | 19.25 -0.35 0.00 | 19.34 -0.29 0.00 | 20.53 -0.53 0.00 | 22.22 -0.33 -0.48 | 24.82 -0.37 -0.23 | 25.49 -0.72 -0.60 | 23.33 -0.57 -0.05 | 20.98 -0.63 -0.06 | 19.34 -0.39 0.00 | 17.61 0.28 0.00 |
| SELKIRK___I 23801 | 16.37 0.56 -0.19 | 16.23 0.48 -2.84 | 14.36 0.46 -1.76 | 14.49 0.39 -3.59 | 14.40 0.39 -3.65 | 14.73 0.44 -3.31 | 13.65 0.53 0.00 | 15.18 0.51 0.00 | 17.73 0.58 -0.25 | 21.38 0.57 -3.67 | 20.62 0.70 -0.55 | 19.98 0.69 -0.15 | 20.17 0.68 0.00 | 20.10 0.68 0.00 | 20.30 0.70 0.00 | 20.32 0.69 0.00 | 21.81 0.76 0.00 | 25.83 0.86 -2.90 | 27.34 0.97 -1.40 | 30.01 0.90 -3.51 | 25.02 0.88 -0.28 | 22.66 0.77 -0.33 | 20.31 0.57 0.00 | 17.80 0.47 0.00 |
| SELKIRK___II 23799 | 16.30 0.48 -0.19 | 16.19 0.40 -2.88 | 14.31 0.39 -1.79 | 14.47 0.33 -3.64 | 14.38 0.33 -3.69 | 14.68 0.35 -3.35 | 13.55 0.43 0.00 | 15.08 0.41 0.00 | 17.63 0.47 -0.26 | 21.31 0.45 -3.71 | 20.49 0.56 -0.55 | 19.87 0.57 -0.15 | 20.06 0.57 0.00 | 19.99 0.56 0.00 | 20.17 0.57 0.00 | 20.20 0.57 0.00 | 21.68 0.63 0.00 | 25.71 0.71 -2.94 | 27.21 0.82 -1.42 | 29.90 0.74 -3.56 | 24.86 0.72 -0.29 | 22.54 0.65 -0.34 | 20.19 0.45 0.00 | 17.68 0.35 0.00 |
| SENECA OSWGO___HYD 24041 | 15.89 0.25 -0.02 | 13.47 0.23 -0.33 | 12.53 0.19 -0.20 | 11.06 0.14 -0.42 | 10.95 0.18 -0.42 | 11.56 0.20 -0.38 | 13.38 0.26 0.00 | 14.83 0.16 0.00 | 17.12 0.19 -0.03 | 17.76 0.19 -0.42 | 19.65 0.21 -0.06 | 19.39 0.23 -0.02 | 19.74 0.25 0.00 | 19.70 0.27 0.00 | 19.89 0.29 0.00 | 19.95 0.31 0.00 | 21.28 0.23 0.00 | 22.86 0.46 -0.34 | 25.73 0.60 -0.16 | 26.39 0.54 -0.24 | 24.33 0.45 -0.02 | 21.94 0.37 -0.02 | 20.03 0.30 0.00 | 17.66 0.33 0.00 |
| SENECA___115KV_TB3 355854 | 15.64 -0.02 -0.03 | 13.42 0.03 -0.49 | 12.45 0.01 -0.30 | 11.06 -0.06 -0.61 | 10.98 0.00 -0.62 | 11.57 0.02 -0.57 | 13.20 0.08 0.00 | 14.38 -0.29 0.00 | 16.44 -0.51 -0.04 | 17.23 -0.55 -0.63 | 18.69 -0.77 -0.09 | 18.54 -0.63 -0.03 | 19.08 -0.41 0.00 | 19.13 -0.29 0.00 | 19.42 -0.18 0.00 | 19.52 -0.12 0.00 | 20.71 -0.34 0.00 | 22.34 -0.22 -0.50 | 24.96 -0.25 -0.62 | 25.66 -0.56 -0.05 | 23.45 -0.45 -0.05 | 21.12 -0.50 -0.06 | 19.50 -0.24 0.00 | 17.73 0.40 0.00 |
| SENECA___ENERGY 23797 | 15.66 0.02 -0.03 | 13.35 0.03 -0.42 | 12.41 0.01 -0.26 | 11.01 -0.03 -0.53 | 10.92 0.02 -0.54 | 11.50 0.03 -0.49 | 13.19 0.07 0.00 | 14.58 -0.09 0.00 | 16.81 -0.14 -0.04 | 17.54 -0.15 -0.54 | 19.26 -0.19 -0.08 | 18.99 -0.17 -0.02 | 19.38 -0.12 0.00 | 19.33 -0.10 0.00 | 19.56 -0.04 0.00 | 19.64 0.00 0.00 | 20.95 -0.10 0.00 | 22.60 0.11 -0.43 | 25.35 0.18 -0.21 | 26.04 0.08 -0.36 | 23.93 0.05 -0.03 | 21.59 0.00 -0.03 | 19.74 0.00 0.00 | 17.45 0.12 0.00 |
| SHOEMAKER___GT 23640 | 16.48 0.72 -0.14 | 15.52 0.57 -2.05 | 13.92 0.51 -1.27 | 13.53 0.43 -2.59 | 13.42 0.43 -2.63 | 13.81 0.44 -2.39 | 13.67 0.55 0.00 | 15.23 0.56 0.00 | 17.73 0.64 -0.18 | 20.46 0.67 -2.65 | 20.56 0.79 -0.40 | 20.07 0.82 -0.11 | 20.35 0.86 0.00 | 20.28 0.85 0.00 | 20.48 0.88 0.00 | 20.50 0.86 0.00 | 22.00 0.95 0.00 | 25.22 1.06 -2.09 | 27.20 1.22 -1.01 | 29.23 1.13 -2.51 | 25.11 1.05 -0.20 | 22.74 0.95 -0.24 | 20.47 0.73 0.00 | 17.87 0.54 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 16.47 0.72 -0.13 | 15.51 0.57 -2.03 | 13.91 0.51 -1.26 | 13.51 0.43 -2.57 | 13.40 0.44 -2.61 | 13.79 0.44 -2.37 | 13.70 0.58 0.00 | 15.24 0.57 0.00 | 17.73 0.64 -0.18 | 20.44 0.67 -2.62 | 20.56 0.79 -0.39 | 20.07 0.82 -0.11 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.48 0.88 0.00 | 20.52 0.88 0.00 | 22.02 0.97 0.00 | 25.22 1.08 -2.08 | 27.19 1.22 -1.00 | 29.33 1.13 -2.60 | 25.12 1.05 -0.21 | 22.73 0.93 -0.25 | 20.51 0.77 0.00 | 17.87 0.54 0.00 |

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|-----------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| SHOREHAM_IC_1 23715 | 17.32 1.55 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.33 0.91 -2.91 | 14.18 0.87 -2.95 | 14.55 0.89 -2.68 | 14.37 1.25 0.00 | 15.89 1.22 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -2.97 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.19 2.23 -2.53 | 24.63 2.27 -2.76 | 25.65 2.30 -3.72 | 28.20 2.55 -4.61 | 30.08 2.71 -5.30 | 30.64 3.10 -2.58 | 32.88 3.10 -4.18 | 27.42 2.77 -0.80 | 24.86 2.46 -0.85 | 21.67 1.94 0.00 | 18.54 1.21 0.00 |
| SHOREHAM_IC_2 23716 | 17.32 1.55 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.33 0.91 -2.91 | 14.18 0.87 -2.95 | 14.55 0.89 -2.68 | 14.37 1.25 0.00 | 15.89 1.22 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -2.97 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.19 2.23 -2.53 | 24.63 2.27 -2.76 | 25.65 2.30 -3.72 | 28.20 2.55 -4.61 | 30.08 2.71 -5.30 | 30.64 3.10 -2.58 | 32.88 3.10 -4.18 | 27.42 2.77 -0.80 | 24.86 2.46 -0.85 | 21.67 1.94 0.00 | 18.54 1.21 0.00 |
| SISSONVILLE____ 23735 | 15.42 -0.20 -0.01 | 12.81 -0.19 -0.09 | 12.05 -0.15 -0.06 | 10.55 -0.07 -0.12 | 10.34 -0.13 -0.12 | 10.95 -0.13 -0.11 | 12.91 -0.21 0.00 | 14.57 -0.10 0.00 | 16.83 -0.08 -0.01 | 17.20 -0.07 -0.12 | 19.22 -0.17 -0.02 | 18.77 -0.38 0.00 | 19.00 -0.49 0.00 | 18.90 -0.52 0.00 | 19.01 -0.59 0.00 | 19.03 -0.61 0.00 | 20.48 -0.57 0.00 | 21.47 -0.68 -0.09 | 24.21 -0.80 -0.05 | 24.93 -0.79 -0.12 | 23.15 -0.72 -0.01 | 21.17 -0.39 -0.01 | 19.54 -0.20 0.00 | 17.11 -0.23 0.00 |
| SITHE_IND_GS1 24169 | 15.37 -0.27 -0.02 | 12.97 -0.21 -0.27 | 12.10 -0.21 -0.17 | 10.65 -0.20 -0.34 | 10.53 -0.18 -0.35 | 11.12 -0.18 -0.32 | 12.91 -0.21 0.00 | 14.33 -0.34 0.00 | 16.54 -0.39 -0.02 | 17.10 -0.39 -0.35 | 18.92 -0.50 -0.05 | 18.68 -0.48 -0.01 | 19.04 -0.45 0.00 | 18.98 -0.45 0.00 | 19.19 -0.41 0.00 | 19.22 -0.41 0.00 | 20.55 -0.51 0.00 | 21.94 -0.40 -0.28 | 24.68 -0.42 -0.13 | 25.24 -0.54 -0.18 | 23.35 -0.52 -0.01 | 21.09 -0.47 -0.02 | 19.30 -0.43 0.00 | 17.04 -0.29 0.00 |
| SITHE_IND_GS2 24170 | 15.37 -0.27 -0.02 | 12.97 -0.21 -0.27 | 12.10 -0.21 -0.17 | 10.65 -0.20 -0.34 | 10.53 -0.18 -0.35 | 11.12 -0.18 -0.32 | 12.91 -0.21 0.00 | 14.33 -0.34 0.00 | 16.54 -0.39 -0.02 | 17.10 -0.39 -0.35 | 18.92 -0.50 -0.05 | 18.68 -0.48 -0.01 | 19.04 -0.45 0.00 | 18.98 -0.45 0.00 | 19.19 -0.41 0.00 | 19.22 -0.41 0.00 | 20.55 -0.51 0.00 | 21.94 -0.40 -0.28 | 24.68 -0.42 -0.13 | 25.24 -0.54 -0.18 | 23.35 -0.52 -0.01 | 21.09 -0.47 -0.02 | 19.30 -0.43 0.00 | 17.04 -0.29 0.00 |
| SITHE_IND_GS3 24171 | 15.37 -0.27 -0.02 | 12.97 -0.21 -0.27 | 12.10 -0.21 -0.17 | 10.65 -0.20 -0.34 | 10.53 -0.18 -0.35 | 11.12 -0.18 -0.32 | 12.91 -0.21 0.00 | 14.33 -0.34 0.00 | 16.54 -0.39 -0.02 | 17.10 -0.39 -0.35 | 18.92 -0.50 -0.05 | 18.68 -0.48 -0.01 | 19.04 -0.45 0.00 | 18.98 -0.45 0.00 | 19.19 -0.41 0.00 | 19.22 -0.41 0.00 | 20.55 -0.51 0.00 | 21.94 -0.40 -0.28 | 24.68 -0.42 -0.13 | 25.24 -0.54 -0.18 | 23.35 -0.52 -0.01 | 21.09 -0.47 -0.02 | 19.30 -0.43 0.00 | 17.04 -0.29 0.00 |
| SITHE_IND_GS4 24172 | 15.37 -0.27 -0.02 | 12.97 -0.21 -0.27 | 12.10 -0.21 -0.17 | 10.65 -0.20 -0.34 | 10.53 -0.18 -0.35 | 11.12 -0.18 -0.32 | 12.91 -0.21 0.00 | 14.33 -0.34 0.00 | 16.54 -0.39 -0.02 | 17.10 -0.39 -0.35 | 18.92 -0.50 -0.05 | 18.68 -0.48 -0.01 | 19.04 -0.45 0.00 | 18.98 -0.45 0.00 | 19.19 -0.41 0.00 | 19.22 -0.41 0.00 | 20.55 -0.51 0.00 | 21.94 -0.40 -0.28 | 24.68 -0.42 -0.13 | 25.24 -0.54 -0.18 | 23.35 -0.52 -0.01 | 21.09 -0.47 -0.02 | 19.30 -0.43 0.00 | 17.04 -0.29 0.00 |
| SITHE____BATAVIA 24024 | 15.81 0.16 -0.03 | 13.59 0.24 -0.44 | 12.61 0.21 -0.27 | 11.16 0.11 -0.55 | 11.08 0.17 -0.56 | 11.67 0.19 -0.51 | 13.32 0.20 0.00 | 14.51 -0.16 0.00 | 16.69 -0.25 -0.04 | 17.44 -0.28 -0.56 | 19.05 -0.41 -0.08 | 18.78 -0.38 -0.02 | 19.28 -0.21 0.00 | 19.29 -0.14 0.00 | 19.56 -0.04 0.00 | 19.65 0.02 0.00 | 20.88 -0.17 0.00 | 22.67 0.16 -0.45 | 25.43 0.25 -0.21 | 25.96 -0.03 -0.38 | 23.91 0.02 -0.03 | 21.59 0.00 -0.04 | 19.87 0.14 0.00 | 17.83 0.50 0.00 |
| SITHE____INDEPEND 23800 | 15.37 -0.27 -0.02 | 12.97 -0.21 -0.27 | 12.10 -0.21 -0.17 | 10.65 -0.20 -0.34 | 10.53 -0.18 -0.35 | 11.12 -0.18 -0.32 | 12.92 -0.20 0.00 | 14.33 -0.34 0.00 | 16.54 -0.39 -0.02 | 17.10 -0.39 -0.35 | 18.94 -0.48 -0.05 | 18.68 -0.48 -0.01 | 19.04 -0.45 0.00 | 18.98 -0.45 0.00 | 19.19 -0.41 0.00 | 19.22 -0.41 0.00 | 20.55 -0.51 0.00 | 21.94 -0.40 -0.28 | 24.68 -0.42 -0.13 | 25.41 -0.54 -0.35 | 23.36 -0.52 -0.03 | 21.09 -0.50 -0.03 | 19.28 -0.45 0.00 | 17.04 -0.29 0.00 |
| SITHE____MASSENA 23902 | 15.44 -0.19 0.00 | 12.78 -0.18 -0.06 | 12.04 -0.13 -0.04 | 10.52 -0.06 -0.07 | 10.32 -0.11 -0.07 | 10.91 -0.13 -0.07 | 12.94 -0.18 0.00 | 14.57 -0.10 0.00 | 16.81 -0.10 -0.01 | 17.10 -0.12 -0.07 | 19.23 -0.16 -0.01 | 18.92 -0.23 0.00 | 19.22 -0.27 0.00 | 19.11 -0.31 0.00 | 19.25 -0.35 0.00 | 19.30 -0.33 0.00 | 20.74 -0.32 0.00 | 21.70 -0.42 -0.06 | 24.47 -0.53 -0.03 | 25.12 -0.49 0.00 | 23.43 -0.43 0.00 | 21.21 -0.35 0.00 | 19.56 -0.18 0.00 | 17.12 -0.21 0.00 |
| SITHE____OGDNSBRG 24021 | 15.56 -0.06 -0.01 | 12.90 -0.09 -0.08 | 12.14 -0.05 -0.05 | 10.62 0.01 -0.10 | 10.41 -0.05 -0.10 | 11.03 -0.04 -0.09 | 13.02 -0.10 0.00 | 14.68 0.01 0.00 | 16.95 0.03 -0.01 | 17.28 0.03 -0.10 | 19.39 0.00 -0.02 | 19.03 -0.11 0.00 | 19.26 -0.23 0.00 | 19.17 -0.25 0.00 | 19.29 -0.31 0.00 | 19.30 -0.33 0.00 | 20.78 -0.27 0.00 | 21.81 -0.33 -0.08 | 24.61 -0.40 -0.04 | 25.34 -0.36 -0.10 | 23.56 -0.31 -0.01 | 21.41 -0.15 -0.01 | 19.74 0.00 0.00 | 17.26 -0.07 0.00 |
| SITHE____STERLING 23777 | 16.03 0.39 -0.02 | 13.52 0.34 -0.28 | 12.60 0.29 -0.17 | 11.08 0.22 -0.35 | 10.96 0.24 -0.36 | 11.59 0.28 -0.33 | 13.49 0.37 0.00 | 14.95 0.28 0.00 | 17.25 0.32 -0.02 | 17.85 0.34 -0.36 | 19.79 0.37 -0.05 | 19.54 0.38 -0.01 | 19.88 0.39 0.00 | 19.81 0.39 0.00 | 20.03 0.43 0.00 | 20.05 0.41 0.00 | 21.43 0.38 0.00 | 22.92 0.57 -0.29 | 25.83 0.72 -0.14 | 26.41 0.64 -0.17 | 24.44 0.57 -0.01 | 22.06 0.50 -0.02 | 20.15 0.42 0.00 | 17.76 0.43 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 16.01 0.36 -0.03 | 13.64 0.34 -0.40 | 12.68 0.29 -0.25 | 11.22 0.21 -0.51 | 11.14 0.27 -0.52 | 11.73 0.29 -0.47 | 13.50 0.38 0.00 | 14.93 0.26 0.00 | 17.23 0.29 -0.04 | 17.94 0.27 -0.52 | 19.78 0.33 -0.08 | 19.49 0.33 -0.02 | 19.88 0.39 0.00 | 19.83 0.41 0.00 | 20.05 0.45 0.00 | 20.11 0.47 0.00 | 21.43 0.38 0.00 | 23.14 0.66 -0.41 | 26.01 0.85 -0.20 | 26.91 0.79 -0.51 | 24.57 0.67 -0.04 | 22.12 0.52 -0.05 | 20.15 0.41 0.00 | 17.83 0.50 0.00 |
| SOUTH CAIRO____GT 23612 | 16.64 0.84 -0.18 | 16.22 0.59 -2.72 | 14.40 0.57 -1.69 | 14.44 0.49 -3.44 | 14.36 0.51 -3.49 | 14.68 0.53 -3.17 | 13.86 0.73 0.00 | 15.39 0.72 0.00 | 17.96 0.81 -0.24 | 21.31 0.65 -3.51 | 20.81 0.91 -0.52 | 20.17 0.88 -0.14 | 20.35 0.86 0.00 | 20.28 0.85 0.00 | 20.48 0.88 0.00 | 20.52 0.88 0.00 | 22.12 1.07 0.00 | 25.93 1.08 -2.78 | 27.68 1.37 -1.34 | 30.19 1.23 -3.36 | 25.37 1.24 -0.27 | 22.93 1.06 -0.32 | 20.50 0.77 0.00 | 17.99 0.66 0.00 |
| SOUTH HAMPTN____IC 23720 | 17.51 1.73 -0.15 | 16.52 1.32 -2.30 | 14.76 1.20 -1.43 | 14.45 1.04 -2.91 | 14.30 0.99 -2.95 | 14.68 1.02 -2.68 | 14.54 1.42 0.00 | 16.06 1.39 0.00 | 18.85 1.74 -0.20 | 21.92 1.80 -2.97 | 22.21 2.38 -0.46 | 21.69 2.41 -0.14 | 22.83 2.53 -0.80 | 24.50 2.54 -2.53 | 24.93 2.57 -2.76 | 25.97 2.61 -3.72 | 28.52 2.86 -4.61 | 30.41 3.05 -5.30 | 30.99 3.45 -2.58 | 33.24 3.45 -4.18 | 27.76 3.10 -0.80 | 25.14 2.74 -0.85 | 21.93 2.19 0.00 | 18.75 1.42 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| SOUTHDOWN_115KV_TB1 355954 | 15.87 0.22 -0.03 | 13.56 0.14 -0.51 | 12.59 0.13 -0.32 | 11.21 0.05 -0.65 | 11.14 0.12 -0.66 | 11.74 0.16 -0.60 | 13.45 0.33 0.00 | 14.70 0.03 0.00 | 16.75 -0.20 -0.05 | 17.61 -0.21 -0.66 | 19.06 -0.41 -0.10 | 19.00 -0.17 -0.03 | 19.57 0.08 0.00 | 19.60 0.17 0.00 | 19.91 0.31 0.00 | 20.01 0.37 0.00 | 21.26 0.21 0.00 | 22.90 0.31 -0.52 | 25.57 0.35 -0.25 | 26.29 0.03 -0.66 | 24.01 0.10 -0.05 | 21.57 -0.04 -0.06 | 19.99 0.26 0.00 | 18.11 0.78 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 17.77 2.00 -0.15 | 16.73 1.52 -2.30 | 14.96 1.40 -1.43 | 14.62 1.21 -2.91 | 14.46 1.15 -2.95 | 14.85 1.20 -2.68 | 14.92 1.80 0.00 | 16.30 1.63 0.00 | 19.15 2.05 -0.20 | 22.23 2.11 -2.97 | 22.60 2.77 -0.46 | 22.09 2.81 -0.14 | 23.24 2.94 -0.80 | 24.91 2.95 -2.53 | 25.34 2.98 -2.76 | 26.40 3.04 -3.72 | 28.96 3.31 -4.61 | 30.88 3.51 -5.30 | 31.54 3.99 -2.58 | 33.84 3.94 -4.30 | 28.22 3.55 -0.81 | 25.52 3.10 -0.86 | 22.28 2.55 0.00 | 19.05 1.72 0.00 |
| SOUTHOLD___IC 23719 | 17.77 2.00 -0.15 | 16.73 1.52 -2.30 | 14.96 1.40 -1.43 | 14.62 1.21 -2.91 | 14.46 1.15 -2.95 | 14.85 1.20 -2.68 | 14.77 1.65 0.00 | 16.30 1.63 0.00 | 19.15 2.04 -0.20 | 22.22 2.11 -2.97 | 22.62 2.79 -0.46 | 22.09 2.82 -0.14 | 23.24 2.94 -0.80 | 24.91 2.95 -2.53 | 25.34 2.98 -2.76 | 26.40 3.04 -3.72 | 28.96 3.31 -4.61 | 30.88 3.51 -5.30 | 31.51 3.97 -2.58 | 33.77 3.99 -4.18 | 28.21 3.56 -0.80 | 25.55 3.15 -0.85 | 22.26 2.53 0.00 | 19.01 1.68 0.00 |
| SPIERFLS_115KV_TB 1 80737 | 16.96 1.14 -0.20 | 16.81 0.93 -2.97 | 14.85 0.87 -1.84 | 15.00 0.74 -3.76 | 14.92 0.76 -3.81 | 15.32 0.88 -3.46 | 14.13 1.01 0.00 | 15.76 1.09 0.00 | 18.49 1.32 -0.26 | 22.37 1.39 -3.83 | 21.59 1.65 -0.57 | 20.93 1.63 -0.15 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.01 1.41 0.00 | 20.95 1.32 0.00 | 22.76 1.71 0.00 | 27.04 1.94 -3.03 | 28.77 2.35 -1.46 | 31.66 2.25 -3.80 | 26.31 2.15 -0.31 | 23.72 1.81 -0.36 | 21.26 1.52 0.00 | 18.51 1.18 0.00 |
| ST LAWRENCE____ 23600 | 15.31 -0.31 0.00 | 12.69 -0.27 -0.05 | 11.92 -0.24 -0.03 | 10.39 -0.18 -0.06 | 10.22 -0.21 -0.06 | 10.82 -0.22 -0.06 | 12.85 -0.28 0.00 | 14.45 -0.22 0.00 | 16.67 -0.24 0.00 | 16.96 -0.26 -0.07 | 19.09 -0.29 -0.01 | 18.82 -0.33 0.00 | 19.12 -0.37 0.00 | 19.06 -0.37 0.00 | 19.19 -0.41 0.00 | 19.22 -0.41 0.00 | 20.65 -0.40 0.00 | 21.61 -0.51 -0.05 | 24.37 -0.62 -0.02 | 24.99 -0.61 0.00 | 23.28 -0.57 0.00 | 21.06 -0.49 0.00 | 19.40 -0.34 0.00 | 17.00 -0.33 0.00 |
| STATE_CA_115KV_115_LB 55624 | 16.28 0.47 -0.19 | 16.22 0.40 -2.91 | 14.33 0.39 -1.81 | 14.51 0.33 -3.68 | 14.43 0.34 -3.73 | 14.74 0.37 -3.39 | 13.55 0.43 0.00 | 15.10 0.43 0.00 | 17.67 0.51 -0.26 | 21.37 0.46 -3.76 | 20.51 0.58 -0.56 | 19.89 0.59 -0.15 | 20.08 0.58 0.00 | 20.01 0.58 0.00 | 20.21 0.61 0.00 | 20.22 0.59 0.00 | 21.70 0.65 0.00 | 25.79 0.75 -2.97 | 27.25 0.85 -1.43 | 30.09 0.77 -3.72 | 24.90 0.74 -0.30 | 22.53 0.62 -0.35 | 20.23 0.49 0.00 | 17.68 0.35 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 15.84 0.19 -0.03 | 13.49 0.17 -0.42 | 12.54 0.15 -0.26 | 11.13 0.09 -0.53 | 11.03 0.13 -0.54 | 11.62 0.15 -0.49 | 13.34 0.22 0.00 | 14.79 0.12 0.00 | 17.06 0.12 -0.04 | 17.79 0.10 -0.54 | 19.57 0.12 -0.08 | 19.30 0.13 -0.02 | 19.67 0.18 0.00 | 19.64 0.21 0.00 | 19.83 0.24 0.00 | 19.91 0.27 0.00 | 21.24 0.19 0.00 | 22.91 0.42 -0.43 | 25.70 0.52 -0.21 | 26.60 0.46 -0.53 | 24.28 0.38 -0.04 | 21.88 0.28 -0.05 | 19.95 0.22 0.00 | 17.61 0.28 0.00 |
| STATION 5_MISC_HYD 23604 | 15.73 0.08 -0.03 | 13.49 0.18 -0.40 | 12.53 0.15 -0.25 | 11.09 0.07 -0.51 | 11.00 0.12 -0.51 | 11.58 0.13 -0.47 | 13.23 0.10 0.00 | 14.51 -0.16 0.00 | 16.75 -0.19 -0.04 | 17.48 -0.19 -0.52 | 19.14 -0.31 -0.08 | 18.86 -0.31 -0.02 | 19.32 -0.18 0.00 | 19.31 -0.12 0.00 | 19.54 -0.06 0.00 | 19.62 -0.02 0.00 | 20.88 -0.17 0.00 | 22.61 0.13 -0.41 | 25.39 0.22 -0.20 | 25.94 0.00 -0.34 | 23.88 0.00 -0.03 | 21.54 -0.04 -0.03 | 19.77 0.04 0.00 | 17.62 0.29 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 15.79 0.14 -0.03 | 13.49 0.18 -0.40 | 12.53 0.15 -0.25 | 11.11 0.09 -0.51 | 11.01 0.13 -0.52 | 11.59 0.14 -0.47 | 13.31 0.18 0.00 | 14.64 -0.03 0.00 | 16.89 -0.05 -0.04 | 17.60 -0.07 -0.52 | 19.35 -0.10 -0.08 | 19.03 -0.13 -0.02 | 19.47 -0.02 0.00 | 19.44 0.02 0.00 | 19.68 0.08 0.00 | 19.75 0.12 0.00 | 21.03 -0.02 0.00 | 22.74 0.26 -0.41 | 25.54 0.37 -0.20 | 26.35 0.23 -0.51 | 24.09 0.19 -0.04 | 21.67 0.06 -0.05 | 19.77 0.04 0.00 | 17.63 0.29 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 15.63 -0.02 -0.03 | 13.40 0.09 -0.40 | 12.44 0.06 -0.25 | 11.02 0.01 -0.50 | 10.92 0.05 -0.51 | 11.50 0.05 -0.46 | 13.15 0.03 0.00 | 14.43 -0.23 0.00 | 16.67 -0.27 -0.04 | 17.39 -0.27 -0.51 | 19.10 -0.35 -0.08 | 18.76 -0.40 -0.02 | 19.22 -0.27 0.00 | 19.19 -0.23 0.00 | 19.44 -0.16 0.00 | 19.52 -0.12 0.00 | 20.78 -0.27 0.00 | 22.49 0.02 -0.41 | 25.24 0.07 -0.20 | 25.98 -0.13 -0.51 | 23.80 -0.10 -0.04 | 21.41 -0.19 -0.05 | 19.54 -0.20 0.00 | 17.50 0.17 0.00 |
| STA_56___34_KV_BUS2 355983 | 15.63 -0.02 -0.03 | 13.40 0.09 -0.40 | 12.44 0.06 -0.25 | 11.02 0.01 -0.50 | 10.92 0.05 -0.51 | 11.50 0.05 -0.46 | 13.15 0.03 0.00 | 14.43 -0.23 0.00 | 16.67 -0.27 -0.04 | 17.39 -0.27 -0.51 | 19.10 -0.35 -0.08 | 18.76 -0.40 -0.02 | 19.22 -0.27 0.00 | 19.19 -0.23 0.00 | 19.44 -0.16 0.00 | 19.52 -0.12 0.00 | 20.78 -0.27 0.00 | 22.49 0.02 -0.41 | 25.24 0.07 -0.20 | 25.98 -0.13 -0.51 | 23.80 -0.10 -0.04 | 21.41 -0.19 -0.05 | 19.54 -0.20 0.00 | 17.50 0.17 0.00 |
| STA_67___115KV_BK2 355882 | 15.71 0.06 -0.03 | 13.46 0.15 -0.40 | 12.52 0.13 -0.25 | 11.07 0.06 -0.51 | 10.97 0.10 -0.51 | 11.57 0.12 -0.47 | 13.21 0.09 0.00 | 14.49 -0.18 0.00 | 16.74 -0.20 -0.04 | 17.44 -0.22 -0.52 | 19.16 -0.29 -0.08 | 18.80 -0.36 -0.02 | 19.28 -0.21 0.00 | 19.27 -0.16 0.00 | 19.50 -0.10 0.00 | 19.58 -0.06 0.00 | 20.84 -0.21 0.00 | 22.56 0.09 -0.41 | 25.31 0.15 -0.20 | 26.06 -0.05 -0.51 | 23.87 -0.02 -0.04 | 21.47 -0.13 -0.05 | 19.62 -0.12 0.00 | 17.59 0.26 0.00 |
| STA_7___115KV_9TRANS 80674 | 15.79 0.14 -0.03 | 13.53 0.22 -0.40 | 12.57 0.18 -0.25 | 11.13 0.12 -0.51 | 11.03 0.16 -0.51 | 11.61 0.16 -0.47 | 13.28 0.16 0.00 | 14.57 -0.10 0.00 | 16.82 -0.12 -0.04 | 17.53 -0.14 -0.52 | 19.27 -0.17 -0.08 | 18.92 -0.25 -0.02 | 19.39 -0.10 0.00 | 19.39 -0.04 0.00 | 19.62 0.02 0.00 | 19.71 0.08 0.00 | 20.97 -0.08 0.00 | 22.72 0.24 -0.41 | 25.51 0.35 -0.20 | 26.24 0.13 -0.51 | 24.04 0.14 -0.04 | 21.62 0.02 -0.05 | 19.74 0.00 0.00 | 17.69 0.36 0.00 |
| STA_82___115KV_TB1 80780 | 15.71 0.06 -0.03 | 13.48 0.17 -0.40 | 12.52 0.13 -0.25 | 11.08 0.06 -0.51 | 10.99 0.11 -0.51 | 11.57 0.12 -0.47 | 13.23 0.10 0.00 | 14.49 -0.18 0.00 | 16.74 -0.20 -0.04 | 17.46 -0.21 -0.52 | 19.16 -0.29 -0.08 | 18.82 -0.34 -0.02 | 19.28 -0.21 0.00 | 19.27 -0.16 0.00 | 19.52 -0.08 0.00 | 19.60 -0.04 0.00 | 20.84 -0.21 0.00 | 22.58 0.11 -0.41 | 25.34 0.17 -0.20 | 26.09 -0.03 -0.51 | 23.90 0.00 -0.04 | 21.49 -0.11 -0.05 | 19.64 -0.10 0.00 | 17.61 0.28 0.00 |
| STEEL___WIND 323596 | 15.62 -0.03 -0.03 | 13.41 0.01 -0.49 | 12.44 0.00 -0.30 | 11.05 -0.07 -0.61 | 10.98 0.00 -0.62 | 11.57 0.02 -0.57 | 13.16 0.04 0.00 | 14.36 -0.31 0.00 | 16.41 -0.54 -0.04 | 17.21 -0.57 -0.63 | 18.81 -0.66 -0.09 | 18.56 -0.61 -0.03 | 19.08 -0.41 0.00 | 19.11 -0.31 0.00 | 19.40 -0.20 0.00 | 19.50 -0.14 0.00 | 20.69 -0.36 0.00 | 22.32 -0.24 -0.50 | 24.93 -0.27 -0.24 | 25.46 -0.59 -0.45 | 23.49 -0.41 -0.04 | 21.34 -0.26 -0.04 | 19.66 -0.08 0.00 | 17.71 0.38 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| STEPHTWN_115KV_BK_2 55603 | 16.39 0.58 -0.19 | 16.27 0.48 -2.89 | 14.39 0.46 -1.79 | 14.53 0.38 -3.65 | 14.45 0.39 -3.70 | 14.78 0.44 -3.36 | 13.65 0.52 0.00 | 15.23 0.56 0.00 | 17.80 0.64 -0.26 | 21.49 0.62 -3.73 | 20.68 0.76 -0.56 | 20.04 0.75 -0.15 | 20.23 0.74 0.00 | 20.16 0.74 0.00 | 20.32 0.73 0.00 | 20.34 0.71 0.00 | 21.85 0.80 0.00 | 25.94 0.93 -2.95 | 27.43 1.05 -1.42 | 30.27 0.97 -3.69 | 25.09 0.93 -0.30 | 22.68 0.78 -0.35 | 20.35 0.61 0.00 | 17.76 0.43 0.00 |
| STEBEN_REC_LFGE 323667 | 15.89 0.23 -0.04 | 13.69 0.18 -0.61 | 12.66 0.15 -0.38 | 11.33 0.06 -0.77 | 11.28 0.15 -0.78 | 11.86 0.18 -0.71 | 13.44 0.31 0.00 | 14.73 0.06 0.00 | 16.89 -0.07 -0.05 | 17.83 -0.10 -0.78 | 19.31 -0.17 -0.12 | 19.14 -0.04 -0.03 | 19.65 0.16 0.00 | 19.66 0.23 0.00 | 19.95 0.35 0.00 | 20.03 0.39 0.00 | 21.26 0.21 0.00 | 23.10 0.42 -0.62 | 25.81 0.55 -0.30 | 26.76 0.38 -0.77 | 24.28 0.36 -0.06 | 21.86 0.24 -0.07 | 20.09 0.36 0.00 | 18.02 0.69 0.00 |
| STONY__BROOK 24151 | 17.23 1.45 -0.15 | 16.29 1.08 -2.30 | 14.55 0.98 -1.43 | 14.26 0.85 -2.91 | 14.12 0.81 -2.95 | 14.48 0.82 -2.68 | 14.29 1.17 0.00 | 15.80 1.13 0.00 | 18.53 1.42 -0.20 | 21.61 1.49 -2.97 | 21.83 2.00 -0.46 | 21.31 2.03 -0.14 | 22.42 2.12 -0.80 | 24.11 2.16 -2.53 | 24.54 2.18 -2.76 | 25.55 2.20 -3.72 | 28.08 2.42 -4.61 | 29.97 2.60 -5.30 | 30.49 2.94 -2.58 | 32.70 2.92 -4.18 | 27.28 2.62 -0.80 | 24.73 2.33 -0.85 | 21.57 1.84 0.00 | 18.47 1.14 0.00 |
| STURGEON_POOL_HYD 23609 | 16.70 0.92 -0.16 | 15.90 0.63 -2.36 | 14.16 0.56 -1.47 | 13.97 0.48 -2.98 | 13.86 0.48 -3.03 | 14.19 0.46 -2.75 | 13.82 0.70 0.00 | 15.36 0.69 0.00 | 17.87 0.76 -0.21 | 20.95 0.75 -3.05 | 20.72 0.89 -0.45 | 20.32 1.05 -0.12 | 20.60 1.11 0.00 | 20.53 1.11 0.00 | 20.72 1.12 0.00 | 20.73 1.10 0.00 | 22.25 1.20 0.00 | 25.67 1.19 -2.41 | 27.48 1.35 -1.16 | 29.90 1.28 -3.02 | 25.29 1.19 -0.24 | 22.96 1.12 -0.29 | 20.70 0.97 0.00 | 18.01 0.68 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 16.57 0.81 -0.14 | 15.65 0.63 -2.11 | 14.02 0.57 -1.31 | 13.67 0.49 -2.67 | 13.56 0.50 -2.71 | 13.93 0.49 -2.46 | 13.76 0.64 0.00 | 15.32 0.65 0.00 | 17.84 0.74 -0.19 | 20.64 0.77 -2.72 | 20.69 0.91 -0.41 | 20.21 0.96 -0.11 | 20.51 1.01 0.00 | 20.44 1.01 0.00 | 20.62 1.02 0.00 | 20.66 1.02 0.00 | 22.17 1.12 0.00 | 25.45 1.24 -2.16 | 27.38 1.37 -1.04 | 29.61 1.31 -2.70 | 25.29 1.22 -0.22 | 22.89 1.08 -0.26 | 20.62 0.89 0.00 | 17.95 0.62 0.00 |
| SWANROAD_115KV_TB1 355699 | 15.29 -0.36 -0.03 | 13.20 -0.17 -0.46 | 12.25 -0.17 -0.29 | 10.87 -0.22 -0.58 | 10.79 -0.16 -0.59 | 11.36 -0.15 -0.54 | 12.96 -0.16 0.00 | 13.99 -0.67 0.00 | 16.08 -0.86 -0.04 | 16.85 -0.89 -0.59 | 18.30 -1.16 -0.09 | 18.02 -1.15 -0.02 | 18.58 -0.92 0.00 | 18.61 -0.82 0.00 | 18.89 -0.71 0.00 | 18.97 -0.67 0.00 | 20.13 -0.93 0.00 | 21.83 -0.71 -0.47 | 24.39 -0.80 -0.23 | 25.04 -1.15 -0.59 | 22.93 -0.98 -0.05 | 20.62 -0.99 -0.06 | 18.97 -0.77 0.00 | 17.31 -0.02 0.00 |
| SYNERGY__BIOGAS 323694 | 15.81 0.16 -0.03 | 13.59 0.24 -0.44 | 12.61 0.21 -0.27 | 11.16 0.11 -0.55 | 11.08 0.17 -0.56 | 11.67 0.19 -0.51 | 13.32 0.20 0.00 | 14.51 -0.16 0.00 | 16.69 -0.25 -0.04 | 17.44 -0.28 -0.56 | 19.05 -0.41 -0.08 | 18.78 -0.38 -0.02 | 19.28 -0.21 0.00 | 19.29 -0.14 0.00 | 19.56 -0.04 0.00 | 19.65 0.02 0.00 | 20.88 -0.17 0.00 | 22.67 0.16 -0.45 | 25.43 0.25 -0.21 | 25.96 -0.03 -0.38 | 23.91 0.02 -0.03 | 21.59 0.00 -0.04 | 19.87 0.14 0.00 | 17.83 0.50 0.00 |
| SYRACUSE__ENERGY_ST1 323597 | 15.79 0.14 -0.02 | 13.40 0.13 -0.36 | 12.46 0.10 -0.22 | 11.03 0.06 -0.46 | 10.91 0.09 -0.46 | 11.51 0.11 -0.42 | 13.28 0.16 0.00 | 14.73 0.06 0.00 | 16.99 0.05 -0.03 | 17.65 0.03 -0.47 | 19.48 0.04 -0.07 | 19.22 0.06 -0.02 | 19.59 0.10 0.00 | 19.52 0.10 0.00 | 19.74 0.14 0.00 | 19.79 0.16 0.00 | 21.11 0.06 0.00 | 22.68 0.24 -0.37 | 25.47 0.32 -0.18 | 26.32 0.26 -0.46 | 24.11 0.21 -0.04 | 21.75 0.15 -0.04 | 19.83 0.10 0.00 | 17.50 0.17 0.00 |
| SYRACUSE__ENERGY_ST2 323598 | 15.79 0.14 -0.02 | 13.40 0.13 -0.36 | 12.46 0.10 -0.22 | 11.03 0.06 -0.46 | 10.91 0.09 -0.46 | 11.51 0.11 -0.42 | 13.28 0.16 0.00 | 14.73 0.06 0.00 | 16.99 0.05 -0.03 | 17.65 0.03 -0.47 | 19.48 0.04 -0.07 | 19.22 0.06 -0.02 | 19.59 0.10 0.00 | 19.52 0.10 0.00 | 19.74 0.14 0.00 | 19.79 0.16 0.00 | 21.11 0.06 0.00 | 22.68 0.24 -0.37 | 25.47 0.32 -0.18 | 26.32 0.26 -0.46 | 24.11 0.21 -0.04 | 21.75 0.15 -0.04 | 19.83 0.10 0.00 | 17.50 0.17 0.00 |
| SYRACUSE__POWER 24017 | 15.71 0.06 -0.02 | 13.34 0.06 -0.37 | 12.40 0.04 -0.23 | 10.99 0.01 -0.47 | 10.88 0.04 -0.48 | 11.46 0.04 -0.43 | 13.21 0.09 0.00 | 14.64 -0.03 0.00 | 16.90 -0.03 -0.03 | 17.58 -0.05 -0.48 | 19.37 -0.08 -0.07 | 19.11 -0.06 -0.02 | 19.47 -0.02 0.00 | 19.43 0.00 0.00 | 19.64 0.04 0.00 | 19.67 0.04 0.00 | 21.03 -0.02 0.00 | 22.58 0.13 -0.38 | 25.35 0.20 -0.18 | 26.18 0.10 -0.48 | 23.97 0.07 -0.04 | 21.62 0.02 -0.05 | 19.72 -0.02 0.00 | 17.42 0.09 0.00 |
| TALLMAN__138KV_BK151 55660 | 16.69 0.92 -0.14 | 15.81 0.72 -2.18 | 14.15 0.66 -1.35 | 13.82 0.56 -2.76 | 13.72 0.56 -2.80 | 14.09 0.57 -2.54 | 13.86 0.73 0.00 | 15.42 0.75 0.00 | 17.94 0.85 -0.19 | 20.87 0.91 -2.82 | 20.86 1.07 -0.42 | 20.37 1.11 -0.11 | 20.68 1.19 0.00 | 20.61 1.18 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.36 1.31 0.00 | 25.73 1.43 -2.23 | 27.64 1.60 -1.07 | 29.90 1.51 -2.79 | 25.49 1.41 -0.23 | 23.07 1.25 -0.27 | 20.78 1.05 0.00 | 18.06 0.73 0.00 |
| TEALLAVE_115KV_TB7 355573 | 15.66 0.02 -0.02 | 13.27 0.03 -0.34 | 12.36 0.01 -0.21 | 10.91 -0.02 -0.43 | 10.80 0.01 -0.43 | 11.39 0.02 -0.39 | 13.17 0.05 0.00 | 14.60 -0.07 0.00 | 16.83 -0.10 -0.03 | 17.48 -0.10 -0.44 | 19.30 -0.14 -0.07 | 19.05 -0.11 -0.02 | 19.41 -0.08 0.00 | 19.37 -0.06 0.00 | 19.56 -0.04 0.00 | 19.62 -0.02 0.00 | 20.95 -0.11 0.00 | 22.45 0.04 -0.34 | 25.23 0.10 -0.17 | 26.03 0.00 -0.43 | 23.87 -0.02 -0.03 | 21.53 -0.06 -0.04 | 19.66 -0.08 0.00 | 17.37 0.03 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 15.62 -0.03 -0.03 | 13.44 0.09 -0.45 | 12.49 0.07 -0.28 | 11.06 -0.01 -0.56 | 10.98 0.05 -0.57 | 11.56 0.07 -0.52 | 13.21 0.09 0.00 | 14.32 -0.35 0.00 | 16.47 -0.47 -0.04 | 17.21 -0.51 -0.58 | 18.78 -0.68 -0.09 | 18.48 -0.69 -0.02 | 19.02 -0.47 0.00 | 19.06 -0.37 0.00 | 19.32 -0.27 0.00 | 19.42 -0.22 0.00 | 20.61 -0.44 0.00 | 22.34 -0.18 -0.46 | 25.01 -0.17 -0.22 | 25.69 -0.49 -0.57 | 23.52 -0.38 -0.05 | 21.15 -0.45 -0.05 | 19.42 -0.32 0.00 | 17.66 0.33 0.00 |
| TEMPLE__115KV_TB 2 55572 | 15.66 0.02 -0.02 | 13.29 0.04 -0.34 | 12.36 0.01 -0.21 | 10.91 -0.02 -0.43 | 10.81 0.02 -0.44 | 11.40 0.02 -0.40 | 13.17 0.05 0.00 | 14.60 -0.07 0.00 | 16.85 -0.08 -0.03 | 17.48 -0.10 -0.44 | 19.30 -0.14 -0.07 | 19.05 -0.11 -0.02 | 19.41 -0.08 0.00 | 19.37 -0.06 0.00 | 19.58 -0.02 0.00 | 19.62 -0.02 0.00 | 20.95 -0.11 0.00 | 22.48 0.07 -0.35 | 25.23 0.10 -0.17 | 26.04 0.00 -0.43 | 23.89 0.00 -0.04 | 21.53 -0.06 -0.04 | 19.66 -0.08 0.00 | 17.37 0.03 0.00 |
| TIANA__69_KV_BK 1 55817 | 17.44 1.67 -0.15 | 16.47 1.26 -2.30 | 14.72 1.15 -1.43 | 14.41 1.00 -2.91 | 14.26 0.95 -2.95 | 14.63 0.98 -2.68 | 14.62 1.50 0.00 | 16.00 1.33 0.00 | 18.77 1.66 -0.20 | 21.85 1.73 -2.97 | 22.12 2.29 -0.46 | 21.60 2.32 -0.14 | 22.73 2.44 -0.80 | 24.41 2.45 -2.53 | 24.83 2.47 -2.76 | 25.87 2.51 -3.72 | 28.41 2.76 -4.61 | 30.30 2.93 -5.30 | 30.89 3.35 -2.58 | 33.20 3.30 -4.30 | 27.65 2.98 -0.81 | 25.02 2.61 -0.86 | 21.87 2.13 0.00 | 18.70 1.37 0.00 |

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| TILDEN___115KV_TB1 80814 | 15.71 0.06 -0.02 | 13.34 0.06 -0.37 | 12.40 0.04 -0.23 | 10.99 0.01 -0.47 | 10.88 0.04 -0.48 | 11.46 0.04 -0.43 | 13.21 0.09 0.00 | 14.64 -0.03 0.00 | 16.90 -0.03 -0.03 | 17.58 -0.05 -0.48 | 19.37 -0.08 -0.07 | 19.11 -0.06 -0.02 | 19.47 -0.02 0.00 | 19.43 0.00 0.00 | 19.64 0.04 0.00 | 19.67 0.04 0.00 | 21.03 -0.02 0.00 | 22.58 0.13 -0.38 | 25.35 0.20 -0.18 | 26.18 0.10 -0.48 | 23.97 0.07 -0.04 | 21.62 0.02 -0.05 | 19.72 -0.02 0.00 | 17.42 0.09 0.00 |
| TRIGEN___CC 323695 | 16.91 1.14 -0.15 | 16.06 0.85 -2.30 | 14.33 0.76 -1.43 | 14.07 0.66 -2.91 | 13.94 0.63 -2.95 | 14.31 0.65 -2.68 | 14.11 0.98 0.00 | 15.55 0.88 0.00 | 18.21 1.10 -0.20 | 21.26 1.15 -2.97 | 21.36 1.53 -0.46 | 20.83 1.55 -0.14 | 21.93 1.64 -0.80 | 23.59 1.63 -2.53 | 24.01 1.65 -2.76 | 24.97 1.61 -3.72 | 27.40 1.75 -4.61 | 29.27 1.90 -5.30 | 29.67 2.12 -2.58 | 31.95 2.05 -4.30 | 26.58 1.91 -0.81 | 24.14 1.72 -0.86 | 21.16 1.42 0.00 | 18.20 0.87 0.00 |
| TRINITY__115KV__4 BK 55933 | 16.25 0.44 -0.19 | 16.17 0.37 -2.89 | 14.29 0.36 -1.80 | 14.47 0.30 -3.66 | 14.38 0.31 -3.71 | 14.69 0.34 -3.37 | 13.52 0.39 0.00 | 15.05 0.38 0.00 | 17.60 0.44 -0.26 | 21.28 0.39 -3.73 | 20.43 0.50 -0.56 | 19.81 0.52 -0.15 | 20.00 0.51 0.00 | 19.93 0.51 0.00 | 20.11 0.51 0.00 | 20.15 0.51 0.00 | 21.62 0.57 0.00 | 25.68 0.66 -2.95 | 27.14 0.75 -1.42 | 29.97 0.67 -3.70 | 24.80 0.64 -0.30 | 22.46 0.56 -0.35 | 20.15 0.41 0.00 | 17.61 0.28 0.00 |
| UNION___PROCESSING_DRP 323587 | 15.71 0.06 -0.03 | 13.48 0.17 -0.40 | 12.52 0.13 -0.25 | 11.09 0.07 -0.51 | 10.99 0.11 -0.52 | 11.57 0.12 -0.47 | 13.23 0.10 0.00 | 14.51 -0.16 0.00 | 16.75 -0.19 -0.04 | 17.46 -0.21 -0.52 | 19.18 -0.27 -0.08 | 18.82 -0.34 -0.02 | 19.30 -0.19 0.00 | 19.27 -0.16 0.00 | 19.52 -0.08 0.00 | 19.60 -0.04 0.00 | 20.86 -0.19 0.00 | 22.58 0.11 -0.41 | 25.34 0.17 -0.20 | 26.09 -0.03 -0.51 | 23.90 0.00 -0.04 | 21.49 -0.11 -0.05 | 19.64 -0.10 0.00 | 17.61 0.28 0.00 |
| UPPER HUDSON___HYD 24058 | 16.96 1.14 -0.20 | 16.81 0.93 -2.97 | 14.85 0.87 -1.84 | 15.00 0.74 -3.76 | 14.92 0.76 -3.81 | 15.32 0.88 -3.46 | 14.18 1.06 0.00 | 15.76 1.09 0.00 | 18.49 1.32 -0.26 | 22.37 1.39 -3.83 | 21.61 1.67 -0.57 | 20.92 1.63 -0.15 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.01 1.41 0.00 | 20.95 1.32 0.00 | 22.76 1.70 0.00 | 27.04 1.94 -3.03 | 28.77 2.35 -1.46 | 31.52 2.25 -3.67 | 26.30 2.15 -0.30 | 23.73 1.83 -0.35 | 21.22 1.48 0.00 | 18.51 1.18 0.00 |
| UPPER RAQUET___HYD 24056 | 15.42 -0.20 -0.01 | 12.81 -0.19 -0.09 | 12.05 -0.15 -0.06 | 10.55 -0.07 -0.12 | 10.34 -0.13 -0.12 | 10.95 -0.13 -0.11 | 12.94 -0.18 0.00 | 14.57 -0.10 0.00 | 16.85 -0.07 -0.01 | 17.20 -0.07 -0.12 | 19.21 -0.17 -0.02 | 18.75 -0.40 0.00 | 19.01 -0.49 0.00 | 18.90 -0.52 0.00 | 19.01 -0.59 0.00 | 19.03 -0.61 0.00 | 20.46 -0.59 0.00 | 21.50 -0.66 -0.09 | 24.21 -0.80 -0.05 | 24.81 -0.79 0.00 | 23.14 -0.72 0.00 | 21.12 -0.43 0.00 | 19.54 -0.20 0.00 | 17.10 -0.23 0.00 |
| VALLEY44_115KV_TB2 355964 | 15.41 -0.25 -0.03 | 13.04 -0.39 -0.52 | 12.08 -0.38 -0.32 | 10.78 -0.39 -0.66 | 10.72 -0.31 -0.67 | 11.27 -0.32 -0.61 | 13.02 -0.10 0.00 | 14.21 -0.45 0.00 | 16.07 -0.88 -0.05 | 16.85 -0.98 -0.67 | 18.17 -1.30 -0.10 | 18.27 -0.90 -0.03 | 18.83 -0.66 0.00 | 18.86 -0.56 0.00 | 19.17 -0.43 0.00 | 19.26 -0.37 0.00 | 20.46 -0.59 0.00 | 21.83 -0.77 -0.53 | 24.33 -0.90 -0.26 | 25.07 -1.20 -0.67 | 22.84 -1.07 -0.05 | 20.62 -0.99 -0.06 | 19.26 -0.47 0.00 | 17.40 0.07 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 15.57 -0.06 -0.01 | 13.05 -0.05 -0.20 | 12.18 -0.07 -0.12 | 10.66 -0.09 -0.25 | 10.53 -0.08 -0.25 | 11.14 -0.07 -0.23 | 13.06 -0.07 0.00 | 14.49 -0.18 0.00 | 16.74 -0.19 -0.02 | 17.25 -0.15 -0.25 | 19.25 -0.15 -0.04 | 19.00 -0.15 -0.01 | 19.38 -0.12 0.00 | 19.31 -0.12 0.00 | 19.50 -0.10 0.00 | 19.56 -0.08 0.00 | 20.95 -0.11 0.00 | 22.26 0.00 -0.20 | 25.11 0.05 -0.10 | 25.75 -0.10 -0.25 | 23.78 -0.10 -0.02 | 21.49 -0.09 -0.02 | 19.64 -0.10 0.00 | 17.26 -0.07 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 16.56 0.86 -0.08 | 14.80 0.71 -1.19 | 13.51 0.64 -0.74 | 12.54 0.54 -1.50 | 12.41 0.53 -1.52 | 12.96 0.60 -1.38 | 13.88 0.76 0.00 | 15.40 0.73 0.00 | 17.87 0.86 -0.11 | 19.59 0.91 -1.53 | 20.63 1.03 -0.23 | 20.24 1.03 -0.06 | 20.53 1.03 0.00 | 20.45 1.03 0.00 | 20.64 1.04 0.00 | 20.64 1.00 0.00 | 22.13 1.07 0.00 | 24.55 1.28 -1.21 | 27.07 1.52 -0.58 | 28.58 1.46 -1.52 | 25.34 1.36 -0.12 | 22.84 1.14 -0.14 | 20.74 1.01 0.00 | 18.20 0.87 0.00 |
| VISCHER___FERRY HYD 24020 | 16.53 0.72 -0.19 | 16.45 0.62 -2.93 | 14.52 0.57 -1.82 | 14.69 0.48 -3.70 | 14.60 0.49 -3.75 | 14.93 0.54 -3.41 | 13.75 0.63 0.00 | 15.31 0.64 0.00 | 17.93 0.76 -0.26 | 21.70 0.77 -3.78 | 20.87 0.93 -0.56 | 20.20 0.90 -0.15 | 20.37 0.88 0.00 | 20.30 0.87 0.00 | 20.48 0.88 0.00 | 20.50 0.86 0.00 | 22.04 0.99 0.00 | 26.15 1.10 -2.99 | 27.70 1.30 -1.44 | 30.44 1.23 -3.61 | 25.30 1.15 -0.29 | 22.93 1.03 -0.34 | 20.50 0.77 0.00 | 17.94 0.61 0.00 |
| V_A_10_SYNC_DSASP 323832 | 15.52 -0.13 -0.03 | 13.40 0.06 -0.43 | 12.45 0.05 -0.27 | 11.03 -0.02 -0.54 | 10.94 0.03 -0.55 | 11.52 0.04 -0.50 | 13.07 -0.05 0.00 | 14.26 -0.41 0.00 | 16.45 -0.49 -0.04 | 17.22 -0.48 -0.55 | 18.72 -0.74 -0.08 | 18.46 -0.71 -0.02 | 18.95 -0.55 0.00 | 18.96 -0.47 0.00 | 19.21 -0.39 0.00 | 19.30 -0.33 0.00 | 20.50 -0.55 0.00 | 22.28 -0.22 -0.44 | 24.93 -0.25 -0.21 | 25.44 -0.54 -0.37 | 23.41 -0.48 -0.03 | 21.13 -0.45 -0.04 | 19.46 -0.28 0.00 | 17.50 0.17 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 15.36 -0.27 0.00 | 12.71 -0.25 -0.05 | 11.96 -0.21 -0.03 | 10.43 -0.14 -0.06 | 10.25 -0.18 -0.06 | 10.85 -0.19 -0.06 | 12.87 -0.25 0.00 | 14.49 -0.18 0.00 | 16.71 -0.20 0.00 | 17.01 -0.21 -0.07 | 19.15 -0.23 -0.01 | 18.88 -0.27 0.00 | 19.16 -0.33 0.00 | 19.09 -0.33 0.00 | 19.23 -0.37 0.00 | 19.26 -0.37 0.00 | 20.69 -0.36 0.00 | 21.65 -0.46 -0.05 | 24.42 -0.57 -0.02 | 25.04 -0.56 0.00 | 23.36 -0.50 0.00 | 21.12 -0.43 0.00 | 19.44 -0.30 0.00 | 17.04 -0.29 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 15.80 0.17 0.00 | 13.05 0.09 -0.05 | 12.33 0.16 -0.03 | 10.81 0.24 -0.07 | 10.58 0.16 -0.07 | 11.23 0.19 -0.06 | 13.32 0.20 0.00 | 15.01 0.34 0.00 | 17.35 0.44 0.00 | 17.63 0.41 -0.07 | 19.87 0.48 -0.01 | 19.59 0.44 0.00 | 19.86 0.37 0.00 | 19.76 0.33 0.00 | 19.85 0.25 0.00 | 19.93 0.29 0.00 | 21.47 0.42 0.00 | 22.54 0.42 -0.05 | 25.32 0.32 -0.03 | 25.96 0.36 0.00 | 24.22 0.36 0.00 | 21.83 0.28 0.00 | 20.07 0.34 0.00 | 17.54 0.21 0.00 |
| V_E_10_SYNC_DSASP 323830 | 16.71 1.03 -0.06 | 14.60 0.85 -0.84 | 13.42 0.77 -0.52 | 12.19 0.62 -1.06 | 12.06 0.62 -1.08 | 12.70 0.75 -0.98 | 14.07 0.95 0.00 | 15.56 0.89 0.00 | 17.99 1.01 -0.07 | 19.26 1.03 -1.08 | 20.72 1.18 -0.16 | 20.36 1.17 -0.04 | 20.64 1.15 0.00 | 20.59 1.17 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.29 1.24 0.00 | 24.53 1.61 -0.86 | 27.43 2.05 -0.41 | 28.56 2.05 -0.91 | 25.79 1.86 -0.07 | 23.23 1.59 -0.09 | 21.14 1.40 0.00 | 18.63 1.30 0.00 |
| V_F_30_NSYNC___DSASP 323816 | 16.79 0.97 -0.20 | 16.67 0.80 -2.96 | 14.73 0.75 -1.84 | 14.88 0.63 -3.75 | 14.80 0.64 -3.80 | 15.17 0.74 -3.45 | 14.00 0.88 0.00 | 15.56 0.89 0.00 | 18.22 1.05 -0.26 | 22.07 1.10 -3.83 | 21.26 1.32 -0.57 | 20.60 1.30 -0.15 | 20.74 1.25 0.00 | 20.67 1.24 0.00 | 20.85 1.26 0.00 | 20.85 1.22 0.00 | 22.46 1.41 0.00 | 26.70 1.61 -3.03 | 28.27 1.85 -1.46 | 31.03 1.77 -3.66 | 25.85 1.69 -0.30 | 23.37 1.47 -0.35 | 20.92 1.18 0.00 | 18.27 0.94 0.00 |

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|--|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-----------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| V_F_30_SYNC_DSASP 323786 | 16.28 0.47 -0.19 | 16.22 0.40 -2.91 | 14.33 0.39 -1.81 | 14.51 0.33 -3.68 | 14.43 0.34 -3.73 | 14.74 0.37 -3.39 | 13.55 0.43 0.00 | 15.10 0.43 0.00 | 17.67 0.51 -0.26 | 21.37 0.46 -3.76 | 20.51 0.58 -0.56 | 19.89 0.59 -0.15 | 20.08 0.58 0.00 | 20.01 0.58 0.00 | 20.19 0.59 0.00 | 20.22 0.59 0.00 | 21.70 0.65 0.00 | 25.79 0.75 -2.97 | 27.25 0.85 -1.43 | 30.09 0.77 -3.72 | 24.90 0.74 -0.30 | 22.53 0.62 -0.35 | 20.21 0.47 0.00 | 17.68 0.35 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 15.80 0.17 0.00 | 13.05 0.09 -0.05 | 12.33 0.16 -0.03 | 10.81 0.24 -0.07 | 10.58 0.16 -0.07 | 11.23 0.19 -0.06 | 13.32 0.20 0.00 | 15.01 0.34 0.00 | 17.35 0.44 0.00 | 17.63 0.41 -0.07 | 19.87 0.48 -0.01 | 19.59 0.44 0.00 | 19.86 0.37 0.00 | 19.76 0.33 0.00 | 19.85 0.25 0.00 | 19.93 0.29 0.00 | 21.47 0.42 0.00 | 22.54 0.42 -0.05 | 25.32 0.32 -0.03 | 25.96 0.36 0.00 | 24.22 0.36 0.00 | 21.83 0.28 0.00 | 20.07 0.34 0.00 | 17.54 0.21 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 16.73 0.97 -0.15 | 15.85 0.75 -2.20 | 14.18 0.68 -1.36 | 13.87 0.59 -2.78 | 13.77 0.59 -2.82 | 14.13 0.59 -2.56 | 13.90 0.77 0.00 | 15.45 0.78 0.00 | 18.00 0.90 -0.20 | 20.93 0.94 -2.84 | 20.92 1.12 -0.42 | 20.43 1.17 -0.11 | 20.72 1.23 0.00 | 20.65 1.22 0.00 | 20.85 1.25 0.00 | 20.87 1.24 0.00 | 22.40 1.35 0.00 | 25.79 1.48 -2.24 | 27.70 1.65 -1.08 | 29.98 1.56 -2.81 | 25.56 1.48 -0.23 | 23.13 1.31 -0.27 | 20.82 1.09 0.00 | 18.09 0.76 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 16.88 1.11 -0.15 | 16.06 0.85 -2.30 | 14.34 0.78 -1.43 | 14.08 0.67 -2.91 | 13.98 0.67 -2.95 | 14.34 0.68 -2.68 | 14.01 0.89 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.21 1.10 -2.97 | 21.11 1.30 -0.44 | 20.64 1.38 -0.12 | 20.97 1.48 0.00 | 20.90 1.48 0.00 | 21.09 1.49 0.00 | 21.09 1.45 0.00 | 22.63 1.58 0.00 | 26.11 1.70 -2.35 | 27.94 1.85 -1.13 | 30.31 1.77 -2.94 | 25.79 1.69 -0.24 | 23.34 1.51 -0.28 | 21.04 1.30 0.00 | 18.23 0.90 0.00 |
| W50THST__13_KV_LOAD 356117 | 16.94 1.17 -0.15 | 16.10 0.89 -2.30 | 14.38 0.81 -1.43 | 14.12 0.70 -2.91 | 14.01 0.70 -2.95 | 14.37 0.71 -2.68 | 14.05 0.93 0.00 | 15.64 0.97 0.00 | 18.19 1.08 -0.20 | 21.28 1.17 -2.97 | 21.19 1.38 -0.44 | 20.72 1.45 -0.12 | 21.05 1.56 0.00 | 20.98 1.55 0.00 | 21.17 1.57 0.00 | 21.17 1.53 0.00 | 22.71 1.66 0.00 | 26.20 1.79 -2.35 | 28.02 1.92 -1.13 | 30.41 1.87 -2.94 | 25.86 1.77 -0.24 | 23.40 1.57 -0.28 | 21.12 1.38 0.00 | 18.28 0.95 0.00 |
| WADING RIVER_IC_1 23522 | 17.32 1.55 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.32 0.90 -2.91 | 14.18 0.87 -2.95 | 14.55 0.89 -2.68 | 14.37 1.25 0.00 | 15.89 1.22 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -2.97 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.21 2.25 -2.53 | 24.63 2.27 -2.76 | 25.65 2.30 -3.72 | 28.18 2.53 -4.61 | 30.08 2.71 -5.30 | 30.61 3.07 -2.58 | 32.85 3.07 -4.18 | 27.42 2.77 -0.80 | 24.86 2.46 -0.85 | 21.67 1.94 0.00 | 18.54 1.21 0.00 |
| WADING RIVER_IC_2 23547 | 17.32 1.55 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.32 0.90 -2.91 | 14.18 0.87 -2.95 | 14.55 0.89 -2.68 | 14.37 1.25 0.00 | 15.89 1.22 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -2.97 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.21 2.25 -2.53 | 24.63 2.27 -2.76 | 25.65 2.30 -3.72 | 28.18 2.53 -4.61 | 30.08 2.71 -5.30 | 30.61 3.07 -2.58 | 32.85 3.07 -4.18 | 27.42 2.77 -0.80 | 24.86 2.46 -0.85 | 21.67 1.94 0.00 | 18.54 1.21 0.00 |
| WADING RIVER_IC_3 23601 | 17.32 1.55 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.32 0.90 -2.91 | 14.18 0.87 -2.95 | 14.55 0.89 -2.68 | 14.37 1.25 0.00 | 15.89 1.22 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -2.97 | 21.92 2.09 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.21 2.25 -2.53 | 24.63 2.27 -2.76 | 25.65 2.30 -3.72 | 28.18 2.53 -4.61 | 30.08 2.71 -5.30 | 30.61 3.07 -2.58 | 32.85 3.07 -4.18 | 27.42 2.77 -0.80 | 24.86 2.46 -0.85 | 21.67 1.94 0.00 | 18.54 1.21 0.00 |
| WALDENNY_12_KV_BK2 80841 | 15.62 -0.03 -0.03 | 13.42 0.03 -0.48 | 12.45 0.01 -0.30 | 11.05 -0.06 -0.61 | 10.98 0.00 -0.62 | 11.56 0.02 -0.56 | 13.20 0.08 0.00 | 14.35 -0.32 0.00 | 16.42 -0.52 -0.04 | 17.22 -0.55 -0.62 | 18.69 -0.77 -0.09 | 18.52 -0.65 -0.03 | 19.06 -0.43 0.00 | 19.11 -0.31 0.00 | 19.40 -0.20 0.00 | 19.50 -0.14 0.00 | 20.69 -0.36 0.00 | 22.34 -0.22 -0.49 | 24.95 -0.25 -0.24 | 25.63 -0.59 -0.62 | 23.45 -0.45 -0.05 | 21.09 -0.52 -0.06 | 19.48 -0.26 0.00 | 17.71 0.38 0.00 |
| WALDEN__HYDRO 24148 | 16.64 0.87 -0.15 | 15.80 0.68 -2.21 | 14.13 0.62 -1.37 | 13.83 0.53 -2.80 | 13.73 0.53 -2.84 | 14.09 0.53 -2.58 | 13.79 0.67 0.00 | 15.36 0.69 0.00 | 17.90 0.79 -0.20 | 20.83 0.82 -2.86 | 20.79 0.99 -0.43 | 20.27 1.01 -0.11 | 20.56 1.07 0.00 | 20.49 1.07 0.00 | 20.68 1.08 0.00 | 20.69 1.06 0.00 | 22.23 1.18 0.00 | 25.63 1.30 -2.26 | 27.55 1.50 -1.09 | 29.72 1.41 -2.71 | 25.39 1.31 -0.22 | 22.99 1.18 -0.26 | 20.66 0.93 0.00 | 18.01 0.68 0.00 |
| WARRENSBURG____ 23737 | 16.96 1.14 -0.20 | 16.81 0.93 -2.97 | 14.85 0.87 -1.84 | 15.00 0.74 -3.76 | 14.92 0.76 -3.81 | 15.32 0.88 -3.46 | 14.18 1.06 0.00 | 15.76 1.09 0.00 | 18.49 1.32 -0.26 | 22.37 1.39 -3.83 | 21.61 1.67 -0.57 | 20.92 1.63 -0.15 | 20.93 1.44 0.00 | 20.86 1.44 0.00 | 21.01 1.41 0.00 | 20.95 1.32 0.00 | 22.76 1.70 0.00 | 27.04 1.94 -3.03 | 28.77 2.35 -1.46 | 31.52 2.25 -3.67 | 26.30 2.15 -0.30 | 23.73 1.83 -0.35 | 21.22 1.48 0.00 | 18.51 1.18 0.00 |
| WATERSIDE____6 8 9 23538 | 16.94 1.16 -0.16 | 16.10 0.89 -2.31 | 14.40 0.83 -1.44 | 14.12 0.70 -2.91 | 14.02 0.70 -2.96 | 14.37 0.71 -2.68 | 14.04 0.92 0.00 | 15.59 0.92 0.00 | 18.14 1.03 -0.20 | 21.25 1.13 -2.97 | 21.15 1.34 -0.44 | 20.70 1.44 -0.12 | 21.04 1.54 -0.01 | 20.97 1.53 -0.01 | 21.16 1.55 -0.01 | 21.16 1.51 -0.01 | 22.72 1.66 -0.01 | 26.21 1.79 -2.36 | 28.05 1.95 -1.14 | 30.41 1.87 -2.94 | 25.88 1.79 -0.24 | 23.43 1.59 -0.29 | 21.12 1.38 -0.01 | 18.31 0.97 -0.01 |
| WATKINRD_115KV_LN8_ILLION 55919 | 15.68 0.05 -0.01 | 13.15 0.05 -0.20 | 12.28 0.02 -0.12 | 10.75 0.00 -0.25 | 10.62 0.01 -0.25 | 11.23 0.02 -0.23 | 13.17 0.05 0.00 | 14.61 -0.06 0.00 | 16.87 -0.05 -0.02 | 17.37 -0.03 -0.25 | 19.37 -0.04 -0.04 | 19.13 -0.02 -0.01 | 19.49 0.00 0.00 | 19.43 0.00 0.00 | 19.62 0.02 0.00 | 19.65 0.02 0.00 | 21.05 0.00 0.00 | 22.40 0.13 -0.20 | 25.24 0.17 -0.10 | 25.88 0.03 -0.25 | 23.90 0.02 -0.02 | 21.60 0.02 -0.02 | 19.74 0.00 0.00 | 17.35 0.02 0.00 |
| WATSON____69_KV_BK 1 55734 | 17.32 1.55 -0.15 | 16.37 1.16 -2.30 | 14.62 1.06 -1.43 | 14.32 0.90 -2.91 | 14.17 0.86 -2.95 | 14.54 0.88 -2.68 | 14.47 1.35 0.00 | 15.87 1.20 0.00 | 18.61 1.50 -0.20 | 21.69 1.58 -2.97 | 21.90 2.07 -0.46 | 21.40 2.12 -0.14 | 22.52 2.22 -0.80 | 24.19 2.23 -2.53 | 24.63 2.27 -2.76 | 25.63 2.28 -3.72 | 28.18 2.53 -4.61 | 30.06 2.69 -5.30 | 30.62 3.07 -2.58 | 32.90 3.00 -4.30 | 27.44 2.77 -0.81 | 24.83 2.41 -0.86 | 21.71 1.97 0.00 | 18.58 1.25 0.00 |
| WDELAWARE__HYD 323627 | 16.46 0.70 -0.13 | 15.44 0.53 -2.00 | 13.84 0.46 -1.24 | 13.44 0.40 -2.54 | 13.32 0.39 -2.57 | 13.69 0.37 -2.34 | 13.61 0.49 0.00 | 15.15 0.48 0.00 | 17.66 0.58 -0.18 | 20.34 0.60 -2.59 | 20.48 0.72 -0.39 | 19.99 0.75 -0.10 | 20.27 0.78 0.00 | 20.20 0.78 0.00 | 20.38 0.78 0.00 | 20.40 0.77 0.00 | 21.94 0.88 0.00 | 25.11 0.99 -2.05 | 27.15 1.20 -0.99 | 29.13 1.08 -2.45 | 25.03 0.98 -0.20 | 22.65 0.86 -0.23 | 20.39 0.65 0.00 | 17.76 0.43 0.00 |

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| WEST BABYLON___IC 23714 | 17.23 1.45 -0.15 | 16.29 1.08 -2.30 | 14.56 1.00 -1.43 | 14.26 0.85 -2.91 | 14.12 0.81 -2.95 | 14.48 0.82 -2.68 | 14.39 1.27 0.00 | 15.80 1.13 0.00 | 18.53 1.42 -0.20 | 21.59 1.47 -2.97 | 21.79 1.96 -0.46 | 21.27 1.99 -0.14 | 22.38 2.09 -0.80 | 24.08 2.12 -2.53 | 24.50 2.14 -2.76 | 25.50 2.14 -3.72 | 28.01 2.36 -4.61 | 29.88 2.52 -5.30 | 30.42 2.87 -2.58 | 32.69 2.79 -4.30 | 27.24 2.58 -0.81 | 24.70 2.28 -0.86 | 21.59 1.86 0.00 | 18.49 1.16 0.00 |
| WEST CANADA___HYD 24049 | 15.71 0.08 -0.01 | 13.19 0.09 -0.20 | 12.32 0.06 -0.12 | 10.78 0.03 -0.25 | 10.66 0.05 -0.25 | 11.27 0.07 -0.23 | 13.20 0.08 0.00 | 14.67 0.00 0.00 | 16.92 0.00 -0.02 | 17.40 0.00 -0.25 | 19.41 0.00 -0.04 | 19.17 0.02 -0.01 | 19.53 0.04 0.00 | 19.46 0.04 0.00 | 19.66 0.06 0.00 | 19.69 0.06 0.00 | 21.09 0.04 0.00 | 22.42 0.16 -0.20 | 25.26 0.20 -0.10 | 25.65 0.05 0.00 | 23.91 0.05 0.00 | 21.59 0.04 0.00 | 19.76 0.02 0.00 | 17.35 0.02 0.00 |
| WESTERN_NY_WIND 24143 | 15.79 0.14 -0.03 | 13.58 0.23 -0.44 | 12.60 0.19 -0.27 | 11.16 0.09 -0.56 | 11.08 0.16 -0.57 | 11.67 0.18 -0.51 | 13.31 0.18 0.00 | 14.49 -0.18 0.00 | 16.67 -0.27 -0.04 | 17.43 -0.29 -0.57 | 19.03 -0.43 -0.08 | 18.75 -0.42 -0.02 | 19.26 -0.23 0.00 | 19.27 -0.16 0.00 | 19.54 -0.06 0.00 | 19.64 0.00 0.00 | 20.86 -0.19 0.00 | 22.62 0.11 -0.45 | 25.38 0.20 -0.22 | 25.91 -0.08 -0.39 | 23.86 -0.02 -0.03 | 21.57 -0.02 -0.04 | 19.83 0.10 0.00 | 17.83 0.50 0.00 |
| WESTOVER___LESR 323668 | 15.93 0.25 -0.05 | 13.93 0.19 -0.83 | 12.82 0.17 -0.51 | 11.67 0.12 -1.05 | 11.56 0.15 -1.06 | 12.11 0.16 -0.96 | 13.37 0.25 0.00 | 14.80 0.13 0.00 | 17.06 0.08 -0.07 | 18.28 0.07 -1.07 | 19.57 0.04 -0.16 | 19.28 0.10 -0.04 | 19.69 0.19 0.00 | 19.64 0.21 0.00 | 19.87 0.27 0.00 | 19.91 0.27 0.00 | 21.28 0.23 0.00 | 23.26 0.35 -0.84 | 25.80 0.42 -0.41 | 26.97 0.31 -1.06 | 24.23 0.29 -0.09 | 21.87 0.22 -0.10 | 19.97 0.24 0.00 | 17.66 0.33 0.00 |
| WETHRSFD_WT_PWR 323626 | 15.53 -0.13 -0.04 | 13.39 -0.05 -0.53 | 12.41 -0.06 -0.33 | 11.05 -0.13 -0.67 | 11.00 -0.04 -0.68 | 11.57 -0.03 -0.62 | 13.11 -0.01 0.00 | 14.35 -0.32 0.00 | 16.44 -0.51 -0.05 | 17.30 -0.53 -0.69 | 18.84 -0.64 -0.10 | 18.62 -0.56 -0.03 | 19.12 -0.37 0.00 | 19.13 -0.29 0.00 | 19.42 -0.18 0.00 | 19.52 -0.12 0.00 | 20.71 -0.34 0.00 | 22.41 -0.20 -0.54 | 25.03 -0.20 -0.26 | 25.65 -0.46 -0.51 | 23.56 -0.33 -0.04 | 21.41 -0.19 -0.05 | 19.66 -0.08 0.00 | 17.64 0.31 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 16.69 0.92 -0.15 | 15.82 0.71 -2.20 | 14.16 0.66 -1.37 | 13.85 0.56 -2.78 | 13.74 0.56 -2.82 | 14.10 0.56 -2.56 | 13.86 0.73 0.00 | 15.42 0.75 0.00 | 17.95 0.85 -0.20 | 20.88 0.89 -2.84 | 20.86 1.07 -0.42 | 20.37 1.11 -0.11 | 20.66 1.17 0.00 | 20.61 1.18 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.34 1.28 0.00 | 25.72 1.41 -2.25 | 27.62 1.57 -1.08 | 29.90 1.48 -2.82 | 25.47 1.38 -0.23 | 23.07 1.25 -0.27 | 20.78 1.05 0.00 | 18.04 0.71 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 16.69 0.92 -0.15 | 15.82 0.71 -2.20 | 14.16 0.66 -1.37 | 13.85 0.56 -2.78 | 13.74 0.56 -2.82 | 14.10 0.56 -2.56 | 13.86 0.73 0.00 | 15.42 0.75 0.00 | 17.95 0.85 -0.20 | 20.88 0.89 -2.84 | 20.86 1.07 -0.42 | 20.37 1.11 -0.11 | 20.66 1.17 0.00 | 20.61 1.18 0.00 | 20.79 1.20 0.00 | 20.81 1.18 0.00 | 22.34 1.28 0.00 | 25.72 1.41 -2.25 | 27.62 1.57 -1.08 | 29.90 1.48 -2.82 | 25.47 1.38 -0.23 | 23.07 1.25 -0.27 | 20.78 1.05 0.00 | 18.04 0.71 0.00 |
| WHITEHAL_115KV_TB1 80871 | 17.18 1.36 -0.20 | 16.98 1.11 -2.97 | 15.02 1.04 -1.84 | 15.14 0.88 -3.75 | 15.07 0.90 -3.81 | 15.50 1.06 -3.46 | 14.34 1.22 0.00 | 16.00 1.33 0.00 | 18.79 1.62 -0.26 | 22.69 1.71 -3.83 | 21.98 2.03 -0.57 | 21.31 2.01 -0.15 | 21.30 1.81 0.00 | 21.23 1.81 0.00 | 21.40 1.80 0.00 | 21.34 1.71 0.00 | 23.22 2.17 0.00 | 27.57 2.47 -3.03 | 29.37 2.95 -1.46 | 32.22 2.82 -3.80 | 26.86 2.70 -0.31 | 24.15 2.24 -0.36 | 21.61 1.87 0.00 | 18.80 1.47 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 16.88 1.11 -0.15 | 16.08 0.88 -2.29 | 14.35 0.79 -1.42 | 14.09 0.68 -2.90 | 13.98 0.68 -2.94 | 14.34 0.69 -2.67 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.14 1.03 -0.20 | 21.24 1.13 -2.96 | 21.17 1.36 -0.44 | 20.68 1.42 -0.12 | 20.97 1.48 0.00 | 20.90 1.48 0.00 | 21.09 1.49 0.00 | 21.11 1.47 0.00 | 22.67 1.62 0.00 | 26.17 1.77 -2.34 | 28.07 1.97 -1.13 | 30.43 1.89 -2.93 | 25.84 1.74 -0.24 | 23.38 1.55 -0.28 | 21.04 1.30 0.00 | 18.25 0.92 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 17.29 1.52 -0.15 | 16.35 1.15 -2.30 | 14.61 1.04 -1.43 | 14.31 0.89 -2.91 | 14.16 0.85 -2.95 | 14.52 0.87 -2.68 | 14.47 1.35 0.00 | 15.86 1.19 0.00 | 18.60 1.49 -0.20 | 21.66 1.54 -2.97 | 21.86 2.03 -0.46 | 21.37 2.09 -0.14 | 22.48 2.18 -0.80 | 24.15 2.20 -2.53 | 24.59 2.23 -2.76 | 25.61 2.26 -3.72 | 28.16 2.51 -4.61 | 30.04 2.67 -5.30 | 30.59 3.05 -2.58 | 32.90 3.00 -4.30 | 27.39 2.72 -0.81 | 24.79 2.37 -0.86 | 21.67 1.93 0.00 | 18.54 1.21 0.00 |
| WOODARD___115KV_TB2 355635 | 15.64 0.00 -0.02 | 13.27 0.03 -0.34 | 12.35 0.00 -0.21 | 10.91 -0.02 -0.43 | 10.80 0.01 -0.44 | 11.38 0.01 -0.40 | 13.16 0.04 0.00 | 14.60 -0.07 0.00 | 16.83 -0.10 -0.03 | 17.48 -0.10 -0.44 | 19.30 -0.14 -0.07 | 19.03 -0.13 -0.02 | 19.39 -0.10 0.00 | 19.35 -0.08 0.00 | 19.56 -0.04 0.00 | 19.60 -0.04 0.00 | 20.93 -0.13 0.00 | 22.45 0.04 -0.35 | 25.23 0.10 -0.17 | 26.04 0.00 -0.43 | 23.87 -0.02 -0.04 | 21.53 -0.06 -0.04 | 19.64 -0.10 0.00 | 17.35 0.02 0.00 |
| YORK___WARBASSE 23770 | 16.94 1.16 -0.16 | 16.09 0.88 -2.31 | 14.37 0.80 -1.44 | 14.11 0.69 -2.91 | 14.01 0.69 -2.96 | 14.35 0.69 -2.68 | 14.01 0.89 0.00 | 15.58 0.91 0.00 | 18.12 1.01 -0.20 | 21.26 1.15 -2.97 | 21.17 1.36 -0.44 | 20.74 1.47 -0.12 | 21.08 1.58 -0.01 | 21.03 1.59 -0.01 | 21.19 1.59 -0.01 | 21.19 1.55 -0.01 | 22.76 1.71 -0.01 | 26.25 1.83 -2.36 | 28.10 2.00 -1.14 | 30.49 1.95 -2.94 | 25.91 1.81 -0.24 | 23.46 1.62 -0.29 | 21.14 1.40 -0.01 | 18.29 0.95 -0.01 |