

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

10/08/2023

| 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 | 12.61 | 10.70 | 9.96 | 12.29 | 8.84 | 7.17 | 12.98 | 14.52 | 13.28 | 9.80 | 9.60 | 10.31 | 10.90 | 11.64 | 5.31 | 9.17 | 14.77 | 15.28 | 20.12 | 21.92 | 26.35 | 18.66 | 14.32 | 9.05 |
| 24138 | 0.82 | 0.62 | 0.65 | 0.77 | 0.52 | 0.36 | 0.81 | 0.87 | 0.88 | 0.65 | 0.55 | 0.69 | 0.81 | 0.52 | 0.26 | 0.48 | 1.06 | 1.11 | 1.28 | 1.31 | 1.89 | 1.31 | 1.02 | 0.64 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_1 | 12.59 | 10.68 | 9.95 | 12.27 | 8.83 | 7.16 | 12.96 | 14.48 | 13.26 | 9.77 | 9.58 | 10.28 | 10.86 | 11.62 | 5.30 | 9.15 | 14.73 | 15.26 | 20.10 | 21.89 | 26.31 | 18.63 | 14.30 | 9.04 |
| 24260 | 0.80 | 0.60 | 0.63 | 0.75 | 0.51 | 0.35 | 0.78 | 0.83 | 0.85 | 0.62 | 0.53 | 0.66 | 0.77 | 0.50 | 0.25 | 0.46 | 1.02 | 1.08 | 1.25 | 1.28 | 1.85 | 1.29 | 1.00 | 0.63 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_2 | 12.59 | 10.68 | 9.95 | 12.27 | 8.83 | 7.16 | 12.96 | 14.48 | 13.26 | 9.77 | 9.58 | 10.28 | 10.86 | 11.62 | 5.30 | 9.15 | 14.73 | 15.26 | 20.10 | 21.89 | 26.31 | 18.63 | 14.30 | 9.04 |
| 24261 | 0.80 | 0.60 | 0.63 | 0.75 | 0.51 | 0.35 | 0.78 | 0.83 | 0.85 | 0.62 | 0.53 | 0.66 | 0.77 | 0.50 | 0.25 | 0.46 | 1.02 | 1.08 | 1.25 | 1.28 | 1.85 | 1.29 | 1.00 | 0.63 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK HUDSON___FALLS | 12.53 | 11.15 | 9.80 | 12.09 | 8.93 | 7.55 | 12.77 | 14.44 | 13.15 | 9.68 | 8.25 | 9.55 | 10.63 | 8.13 | 5.86 | 9.32 | 14.62 | 15.14 | 20.65 | 23.21 | 25.99 | 18.27 | 14.00 | 8.81 |
| 24011 | 0.61 | 0.47 | 0.49 | 0.57 | 0.38 | 0.28 | 0.60 | 0.78 | 0.75 | 0.53 | 0.43 | 0.51 | 0.54 | 0.32 | 0.17 | 0.33 | 0.84 | 0.96 | 1.16 | 1.06 | 1.53 | 0.93 | 0.69 | 0.40 |
| | -0.51 | -2.50 | 0.00 | 0.00 | -0.94 | -1.93 | 0.00 | 0.00 | 0.00 | 0.00 | -0.72 | -0.34 | 0.00 | -1.95 | -2.64 | -3.40 | -0.28 | 0.00 | -2.68 | -6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK RESOURCE___RCVRY | 12.60 | 11.21 | 9.86 | 12.14 | 8.96 | 7.58 | 12.82 | 14.53 | 13.24 | 9.74 | 8.28 | 9.60 | 10.67 | 8.15 | 5.88 | 9.35 | 14.73 | 15.27 | 20.79 | 23.33 | 26.15 | 18.34 | 14.05 | 8.83 |
| 23798 | 0.69 | 0.53 | 0.54 | 0.62 | 0.42 | 0.30 | 0.65 | 0.88 | 0.83 | 0.58 | 0.46 | 0.55 | 0.59 | 0.34 | 0.19 | 0.36 | 0.95 | 1.10 | 1.30 | 1.17 | 1.69 | 1.00 | 0.75 | 0.42 |
| | -0.51 | -2.50 | 0.00 | 0.00 | -0.94 | -1.93 | 0.00 | 0.00 | 0.00 | 0.00 | -0.72 | -0.34 | 0.00 | -1.94 | -2.64 | -3.40 | -0.28 | 0.00 | -2.68 | -6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK S GLENS___FALLS | 12.53 | 11.15 | 9.80 | 12.09 | 8.93 | 7.55 | 12.77 | 14.44 | 13.15 | 9.68 | 8.25 | 9.55 | 10.63 | 8.13 | 5.86 | 9.32 | 14.62 | 15.14 | 20.65 | 23.21 | 25.99 | 18.27 | 14.00 | 8.81 |
| 24028 | 0.61 | 0.47 | 0.49 | 0.57 | 0.38 | 0.28 | 0.60 | 0.78 | 0.75 | 0.53 | 0.43 | 0.51 | 0.54 | 0.32 | 0.17 | 0.33 | 0.84 | 0.96 | 1.16 | 1.06 | 1.53 | 0.93 | 0.69 | 0.40 |
| | -0.51 | -2.50 | 0.00 | 0.00 | -0.94 | -1.93 | 0.00 | 0.00 | 0.00 | 0.00 | -0.72 | -0.34 | 0.00 | -1.95 | -2.64 | -3.40 | -0.28 | 0.00 | -2.68 | -6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK_NYS___DAM | 12.30 | 10.91 | 9.64 | 11.93 | 8.81 | 7.42 | 12.59 | 14.10 | 12.79 | 9.39 | 8.14 | 9.36 | 10.39 | 8.24 | 5.72 | 9.13 | 14.28 | 14.74 | 20.09 | 22.56 | 25.40 | 17.90 | 13.74 | 8.66 |
| 23527 | 0.40 | 0.31 | 0.33 | 0.41 | 0.29 | 0.20 | 0.42 | 0.44 | 0.39 | 0.24 | 0.23 | 0.28 | 0.30 | 0.21 | 0.10 | 0.20 | 0.51 | 0.57 | 0.67 | 0.60 | 0.94 | 0.56 | 0.44 | 0.25 |
| | -0.49 | -2.42 | 0.00 | 0.00 | -0.91 | -1.87 | 0.00 | 0.00 | 0.00 | 0.00 | -0.80 | -0.38 | 0.00 | -2.17 | -2.56 | -3.35 | -0.27 | 0.00 | -2.60 | -6.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| AIR_PRODUCTS___DRP | 12.05 | 10.74 | 9.43 | 11.67 | 8.64 | 7.31 | 12.33 | 13.75 | 12.52 | 9.22 | 7.92 | 9.15 | 10.19 | 7.93 | 5.67 | 9.01 | 13.91 | 14.37 | 19.68 | 22.22 | 24.74 | 17.49 | 13.43 | 8.49 |
| 24190 | 0.14 | 0.12 | 0.11 | 0.15 | 0.11 | 0.08 | 0.15 | 0.09 | 0.12 | 0.07 | 0.08 | 0.10 | 0.10 | 0.08 | 0.04 | 0.09 | 0.14 | 0.20 | 0.25 | 0.22 | 0.29 | 0.15 | 0.13 | 0.08 |
| | -0.50 | -2.44 | 0.00 | 0.00 | -0.91 | -1.88 | 0.00 | 0.00 | 0.00 | 0.00 | -0.74 | -0.35 | 0.00 | -1.99 | -2.57 | -3.34 | -0.27 | 0.00 | -2.61 | -6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| AKWESSNE_115KV_BK | 11.36 | 8.12 | 9.27 | 11.47 | 7.57 | 5.33 | 12.14 | 13.64 | 12.33 | 9.11 | 7.05 | 8.63 | 10.01 | 5.81 | 3.03 | 5.55 | 13.39 | 14.01 | 16.63 | 15.54 | 24.15 | 17.17 | 13.16 | 8.35 |
| 355683 | -0.05 | -0.07 | -0.04 | -0.05 | -0.04 | -0.02 | -0.04 | -0.01 | -0.08 | -0.04 | -0.06 | -0.08 | -0.08 | -0.05 | -0.02 | -0.04 | -0.11 | -0.17 | -0.18 | -0.23 | -0.31 | -0.17 | -0.14 | -0.06 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY___1 | 12.05 | 10.74 | 9.43 | 11.67 | 8.64 | 7.31 | 12.33 | 13.75 | 12.52 | 9.22 | 7.92 | 9.15 | 10.19 | 7.93 | 5.67 | 9.01 | 13.91 | 14.37 | 19.68 | 22.22 | 24.74 | 17.49 | 13.43 | 8.49 |
| 23571 | 0.14 | 0.12 | 0.11 | 0.15 | 0.11 | 0.08 | 0.15 | 0.09 | 0.12 | 0.07 | 0.08 | 0.10 | 0.10 | 0.08 | 0.04 | 0.09 | 0.14 | 0.20 | 0.25 | 0.22 | 0.29 | 0.15 | 0.13 | 0.08 |
| | -0.50 | -2.44 | 0.00 | 0.00 | -0.91 | -1.88 | 0.00 | 0.00 | 0.00 | 0.00 | -0.74 | -0.35 | 0.00 | -1.99 | -2.57 | -3.34 | -0.27 | 0.00 | -2.61 | -6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY___2 | 12.05 | 10.74 | 9.43 | 11.67 | 8.64 | 7.31 | 12.33 | 13.75 | 12.52 | 9.22 | 7.92 | 9.15 | 10.19 | 7.93 | 5.67 | 9.01 | 13.91 | 14.37 | 19.68 | 22.22 | 24.74 | 17.49 | 13.43 | 8.49 |
| 23572 | 0.14 | 0.12 | 0.11 | 0.15 | 0.11 | 0.08 | 0.15 | 0.09 | 0.12 | 0.07 | 0.08 | 0.10 | 0.10 | 0.08 | 0.04 | 0.09 | 0.14 | 0.20 | 0.25 | 0.22 | 0.29 | 0.15 | 0.13 | 0.08 |
| | -0.50 | -2.44 | 0.00 | 0.00 | -0.91 | -1.88 | 0.00 | 0.00 | 0.00 | 0.00 | -0.74 | -0.35 | 0.00 | -1.99 | -2.57 | -3.34 | -0.27 | 0.00 | -2.61 | -6.22 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY___3 | 12.05 | 10.74 | 9.43 | 11.67 | 8.64 | 7.31 | 12.33 | 13.75 | 12.52 | 9.22 | 7.92 | 9.15 | 10.19 | 7.93 | 5.67 | 9.01 | 13.91 | 14.37 | 19.68 | 22.22 | 24.74 | 17.49 | 13.43 | 8.49 |
| 23573 | 0.14 | 0.12 | 0.11 | 0.15 | 0.11 | 0.08 | 0.15 | 0.09 | 0.12 | 0.07 | 0.08 | 0.10 | 0.10 | 0.08 | 0.04 | 0.09 | 0.14 | 0.20 | 0.25 | 0.22 | 0.29 | 0.15 | 0.13 | 0.08 |
| | -0.50 | -2.44 | 0.00 | 0.00 | -0.91 | -1.88 | 0.00 | 0.00 | 0.00 | 0.00 | -0.74 | -0.35 | 0.00 | -1.99 | -2.57 | -3.34 | -0.27 | 0.00 | -2.61 | -6.22 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-----------------------|
| ALBANY___4 23574 | 12.05 0.14 -0.50 | 10.74 0.12 -2.44 | 9.43 0.11 0.00 | 11.67 0.15 0.00 | 8.64 0.11 -0.91 | 7.31 0.08 -1.88 | 12.33 0.15 0.00 | 13.75 0.09 0.00 | 12.52 0.12 0.00 | 9.22 0.07 0.00 | 7.92 0.08 -0.74 | 9.15 0.10 -0.35 | 10.19 0.10 0.00 | 7.93 0.08 -1.99 | 5.67 0.04 -2.57 | 9.01 0.09 -3.34 | 13.91 0.14 -0.27 | 14.37 0.20 0.00 | 19.68 0.25 -2.61 | 22.22 0.22 -6.22 | 24.74 0.29 0.00 | 17.49 0.15 0.00 | 13.43 0.13 0.00 | 8.49 0.08 0.00 |
| ALBANY___LFGE 323615 | 12.15 0.24 -0.50 | 10.83 0.19 -2.45 | 9.50 0.19 0.00 | 11.77 0.25 0.00 | 8.70 0.17 -0.92 | 7.36 0.12 -1.89 | 12.42 0.24 0.00 | 13.87 0.22 0.00 | 12.63 0.23 0.00 | 9.30 0.15 0.00 | 7.98 0.14 -0.74 | 9.23 0.17 -0.35 | 10.28 0.19 0.00 | 7.98 0.13 -1.99 | 5.71 0.07 -2.59 | 9.08 0.14 -3.35 | 14.05 0.28 -0.27 | 14.52 0.34 0.00 | 19.86 0.41 -2.63 | 22.42 0.38 -6.26 | 24.99 0.53 0.00 | 17.65 0.31 0.00 | 13.55 0.25 0.00 | 8.56 0.15 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 11.42 0.01 0.00 | 8.16 -0.03 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.60 -0.01 0.00 | 5.35 0.00 0.00 | 12.19 0.01 0.00 | 13.69 0.04 0.00 | 12.36 -0.05 0.00 | 9.23 -0.01 -0.09 | 7.06 -0.04 0.00 | 8.64 -0.06 0.00 | 10.03 -0.06 0.00 | 5.82 -0.04 0.00 | 3.11 -0.02 -0.08 | 6.38 -0.03 -0.83 | 14.63 -0.09 -1.22 | 15.37 -0.13 -1.32 | 18.08 -0.14 -1.41 | 16.93 -0.19 -1.35 | 24.78 -0.23 -0.55 | 18.45 -0.09 -1.20 | 13.25 -0.06 -0.01 | 8.40 -0.01 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 11.42 0.01 0.00 | 8.16 -0.03 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.60 -0.01 0.00 | 5.35 0.00 0.00 | 12.19 0.01 0.00 | 13.69 0.04 0.00 | 12.36 -0.05 0.00 | 9.23 -0.01 -0.09 | 7.06 -0.04 0.00 | 8.64 -0.06 0.00 | 10.03 -0.06 0.00 | 5.82 -0.04 0.00 | 3.11 -0.02 -0.08 | 6.38 -0.03 -0.83 | 14.63 -0.09 -1.22 | 15.37 -0.13 -1.32 | 18.08 -0.14 -1.41 | 16.93 -0.19 -1.35 | 24.78 -0.23 -0.55 | 18.45 -0.09 -1.20 | 13.25 -0.06 -0.01 | 8.40 -0.01 0.00 |
| ALCOA___DSASP 323711 | 11.42 0.01 0.00 | 8.16 -0.03 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.60 -0.01 0.00 | 5.35 0.00 0.00 | 12.19 0.01 0.00 | 13.69 0.04 0.00 | 12.36 -0.04 0.00 | 9.23 -0.01 -0.09 | 7.06 -0.04 0.00 | 8.64 -0.06 0.00 | 10.03 -0.06 0.00 | 5.82 -0.04 0.00 | 3.11 -0.02 -0.08 | 6.38 -0.03 -0.83 | 14.63 -0.09 -1.22 | 15.37 -0.13 -1.32 | 18.08 -0.14 -1.41 | 16.94 -0.19 -1.35 | 24.78 -0.23 -0.55 | 18.45 -0.09 -1.20 | 13.25 -0.06 -0.01 | 8.40 -0.01 0.00 |
| ALLEGHENY___COGEN 23514 | 11.42 -0.05 -0.07 | 8.45 -0.06 -0.32 | 9.17 -0.14 0.00 | 11.33 -0.19 0.00 | 7.61 -0.12 -0.12 | 5.50 -0.10 -0.25 | 12.04 -0.14 0.00 | 13.55 -0.10 0.00 | 12.42 0.02 0.00 | 9.22 0.07 0.00 | 7.07 -0.03 0.00 | 8.68 -0.03 0.00 | 9.95 -0.13 0.00 | 5.68 -0.18 0.00 | 3.30 -0.09 -0.34 | 5.95 -0.19 -0.55 | 13.70 0.18 -0.02 | 14.74 0.57 0.00 | 17.86 0.82 -0.23 | 16.83 0.24 -0.81 | 37.35 0.20 -12.69 | 28.85 0.02 -11.49 | 16.74 0.01 -3.43 | 8.44 0.03 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 12.20 0.29 -0.50 | 10.86 0.23 -2.44 | 9.55 0.24 0.00 | 11.82 0.30 0.00 | 8.74 0.21 -0.91 | 7.38 0.15 -1.88 | 12.49 0.31 0.00 | 13.97 0.32 0.00 | 12.69 0.29 0.00 | 9.35 0.20 0.00 | 8.00 0.17 -0.72 | 9.25 0.21 -0.34 | 10.32 0.24 0.00 | 7.96 0.16 -1.94 | 5.71 0.08 -2.58 | 9.08 0.16 -3.33 | 14.12 0.35 -0.27 | 14.58 0.41 0.00 | 19.93 0.50 -2.62 | 22.48 0.48 -6.23 | 25.14 0.69 0.00 | 17.77 0.43 0.00 | 13.63 0.33 0.00 | 8.61 0.20 0.00 |
| ALTONA_WT_PWR 323606 | 11.73 0.32 0.00 | 8.21 0.02 0.00 | 9.33 0.02 0.00 | 11.58 0.06 0.00 | 7.62 0.01 0.00 | 5.32 -0.03 0.00 | 11.95 -0.23 0.00 | 13.45 -0.20 0.00 | 11.86 -0.45 0.09 | 6.32 -0.34 2.48 | 6.82 -0.28 0.00 | 8.41 -0.30 0.00 | 9.72 -0.37 0.00 | 5.63 -0.23 0.00 | 0.84 -0.12 2.10 | -16.68 -0.26 22.01 | -19.64 -0.63 32.51 | -21.76 -0.65 35.28 | -21.45 -0.76 37.51 | -21.05 -0.75 36.08 | 8.87 -1.01 14.58 | -15.27 -0.67 31.94 | 12.66 -0.35 0.28 | 8.24 -0.17 0.00 |
| AMERICAN_REF_FUEL 24010 | 10.73 -0.74 -0.06 | 7.85 -0.63 -0.29 | 8.50 -0.81 0.00 | 10.55 -0.97 0.00 | 7.06 -0.65 -0.11 | 5.12 -0.45 -0.22 | 11.25 -0.94 0.00 | 12.62 -1.03 0.00 | 11.71 -0.70 0.00 | 8.80 -0.35 0.00 | 6.77 -0.33 0.00 | 8.31 -0.40 0.00 | 9.61 -0.48 0.00 | 5.45 -0.42 0.00 | 3.16 -0.20 -0.31 | 5.46 -0.43 -0.31 | 12.52 -1.02 -0.03 | 13.08 -1.09 0.00 | 15.73 -1.40 -0.31 | 15.36 -1.15 -0.74 | 18.75 -1.99 3.71 | 12.61 -1.37 3.36 | 11.24 -1.06 1.00 | 7.77 -0.64 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 10.95 -0.52 -0.07 | 8.06 -0.46 -0.32 | 8.67 -0.64 0.00 | 10.75 -0.77 0.00 | 7.19 -0.54 -0.12 | 5.24 -0.37 -0.25 | 11.45 -0.72 0.00 | 12.87 -0.79 0.00 | 11.90 -0.50 0.00 | 8.94 -0.21 0.00 | 6.90 -0.20 0.00 | 8.46 -0.24 0.00 | 9.74 -0.35 0.00 | 5.54 -0.33 0.00 | 3.23 -0.16 -0.34 | 5.59 -0.35 -0.35 | 12.79 -0.75 -0.04 | 13.44 -0.74 0.00 | 16.25 -0.92 -0.36 | 15.93 -0.67 -0.83 | 19.89 -1.00 3.56 | 13.33 -0.79 3.23 | 11.76 -0.58 0.96 | 8.05 -0.36 0.00 |
| ARTHUR_KILL_GT_1 23520 | 12.49 0.69 -0.39 | 10.61 0.52 -1.89 | 9.85 0.54 0.00 | 12.16 0.64 0.00 | 8.74 0.42 -0.71 | 7.10 0.29 -1.47 | 12.84 0.66 0.00 | 14.37 0.71 0.00 | 13.14 0.74 0.00 | 9.69 0.54 0.00 | 9.53 0.48 -1.96 | 10.20 0.58 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.29 0.23 -2.00 | 9.12 0.43 -3.10 | 14.67 0.95 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.75 1.14 -4.84 | 26.04 1.59 0.00 | 18.47 1.13 0.00 | 14.17 0.87 0.00 | 8.96 0.55 -0.01 |
| ARTHUR_KILL_2 23512 | 12.46 0.66 -0.39 | 10.59 0.51 -1.89 | 9.83 0.52 0.00 | 12.13 0.61 0.00 | 8.73 0.40 -0.71 | 7.09 0.27 -1.47 | 12.81 0.63 0.00 | 14.34 0.68 0.00 | 13.11 0.71 0.00 | 9.67 0.52 0.00 | 9.52 0.46 -1.96 | 10.19 0.56 -0.92 | 10.77 0.68 0.00 | 11.57 0.45 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.63 0.92 -0.21 | 15.16 0.98 0.00 | 19.97 1.13 -2.03 | 21.71 1.09 -4.84 | 25.98 1.52 0.00 | 18.43 1.08 0.00 | 14.14 0.84 0.00 | 8.94 0.53 -0.01 |
| ARTHUR_KILL_3 23513 | 12.51 0.71 -0.39 | 10.63 0.55 -1.89 | 9.88 0.57 0.00 | 12.19 0.67 0.00 | 8.78 0.47 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.38 0.73 0.00 | 13.16 0.76 0.00 | 9.70 0.55 0.00 | 9.52 0.46 -1.95 | 10.21 0.59 -0.92 | 10.77 0.68 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.10 0.41 -3.10 | 14.62 0.91 -0.21 | 15.15 0.97 0.00 | 19.96 1.12 -2.03 | 21.77 1.16 -4.84 | 26.10 1.64 0.00 | 18.49 1.15 0.00 | 14.18 0.88 0.00 | 8.97 0.56 0.00 |
| ARTHUR_KILL_COGEN 323718 | 12.49 0.69 -0.39 | 10.61 0.52 -1.89 | 9.85 0.54 0.00 | 12.16 0.64 0.00 | 8.74 0.42 -0.71 | 7.10 0.29 -1.47 | 12.84 0.66 0.00 | 14.37 0.71 0.00 | 13.14 0.74 0.00 | 9.69 0.54 0.00 | 9.53 0.48 -1.96 | 10.20 0.58 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.29 0.23 -2.00 | 9.12 0.43 -3.10 | 14.67 0.95 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.75 1.14 -4.84 | 26.04 1.59 0.00 | 18.47 1.13 0.00 | 14.17 0.87 0.00 | 8.96 0.55 -0.01 |
| ASHOKAN____ 23654 | 12.31 0.46 -0.44 | 10.70 0.35 -2.17 | 9.67 0.36 0.00 | 11.97 0.46 0.00 | 8.73 0.31 -0.81 | 7.24 0.22 -1.67 | 12.66 0.49 0.00 | 14.18 0.53 0.00 | 12.91 0.51 0.00 | 9.49 0.34 0.00 | 7.82 0.26 -0.46 | 9.21 0.29 -0.21 | 10.42 0.34 0.00 | 7.33 0.23 -1.23 | 5.46 0.12 -2.29 | 8.93 0.25 -3.09 | 14.33 0.59 -0.24 | 14.85 0.68 0.00 | 20.05 0.91 -2.32 | 22.20 0.89 -5.53 | 25.75 1.29 0.00 | 18.14 0.80 0.00 | 13.88 0.58 0.00 | 8.76 0.34 0.00 |

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|-----------------------------------|------------------------|------------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| ASTORIA_EAST_ENERGY_CC1 323581 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.58 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.14 0.32 -1.47 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.79 0.00 | 9.73 0.58 0.00 | 9.54 0.48 -1.96 | 10.22 0.59 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.62 0.91 -0.21 | 15.16 0.98 0.00 | 19.94 1.10 -2.03 | 21.74 1.13 -4.84 | 26.06 1.60 0.00 | 18.47 1.13 0.00 | 14.22 0.92 0.00 | 8.99 0.57 -0.01 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.58 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.14 0.32 -1.47 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.79 0.00 | 9.73 0.58 0.00 | 9.54 0.48 -1.96 | 10.22 0.59 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.62 0.91 -0.21 | 15.16 0.98 0.00 | 19.94 1.10 -2.03 | 21.74 1.13 -4.84 | 26.06 1.60 0.00 | 18.47 1.13 0.00 | 14.22 0.92 0.00 | 8.99 0.57 -0.01 |
| ASTORIA_GT2_1 24094 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT2_2 24095 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT2_3 24096 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT2_4 24097 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT3_1 24098 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT3_2 24099 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT3_3 24100 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT3_4 24101 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT4_1 24102 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT4_2 24103 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT4_3 24104 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT4_4 24105 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.70 0.00 | 8.79 0.48 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.19 1.02 0.00 | 19.95 1.10 -2.03 | 21.74 1.14 -4.83 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.23 0.93 0.00 | 8.99 0.57 0.00 |
| ASTORIA_GT_1 23523 | 12.57 0.77 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.81 0.49 -0.71 | 7.15 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.78 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.56 0.50 -1.96 | 10.23 0.61 -0.92 | 10.81 0.72 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.65 0.94 -0.21 | 15.19 1.02 0.00 | 19.98 1.13 -2.03 | 21.78 1.17 -4.84 | 26.12 1.66 0.00 | 18.51 1.16 0.00 | 14.25 0.94 0.00 | 9.01 0.59 -0.01 |

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|----------------------------|------------------------|------------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| ASTORIA_GT_10 24110 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.19 1.01 0.00 | 20.00 1.15 -2.03 | 21.83 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.24 0.00 | 14.26 0.96 0.00 | 9.02 0.61 0.00 |
| ASTORIA_GT_11 24225 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.19 1.01 0.00 | 20.00 1.15 -2.03 | 21.83 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.24 0.00 | 14.26 0.96 0.00 | 9.02 0.61 0.00 |
| ASTORIA_GT_12 24226 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.19 1.01 0.00 | 20.00 1.15 -2.03 | 21.83 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.24 0.00 | 14.26 0.96 0.00 | 9.02 0.61 0.00 |
| ASTORIA_GT_13 24227 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.19 1.01 0.00 | 20.00 1.15 -2.03 | 21.83 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.24 0.00 | 14.26 0.96 0.00 | 9.02 0.61 0.00 |
| ASTORIA_GT_5 24106 | 12.57 0.77 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.81 0.49 -0.71 | 7.15 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.78 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.56 0.50 -1.96 | 10.23 0.61 -0.92 | 10.81 0.72 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.65 0.94 -0.21 | 15.19 1.02 0.00 | 19.98 1.13 -2.03 | 21.78 1.17 -4.84 | 26.12 1.66 0.00 | 18.51 1.16 0.00 | 14.25 0.94 0.00 | 9.01 0.59 -0.01 |
| ASTORIA_GT_7 24107 | 12.57 0.77 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.81 0.49 -0.71 | 7.15 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.78 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.56 0.50 -1.96 | 10.23 0.61 -0.92 | 10.81 0.72 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.65 0.94 -0.21 | 15.19 1.02 0.00 | 19.98 1.13 -2.03 | 21.78 1.17 -4.84 | 26.12 1.66 0.00 | 18.51 1.16 0.00 | 14.25 0.94 0.00 | 9.01 0.59 -0.01 |
| ASTORIA_GT_8 24108 | 12.57 0.77 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.14 0.33 -1.46 | 12.91 0.74 0.00 | 14.44 0.78 0.00 | 13.22 0.82 0.00 | 9.75 0.59 0.00 | 9.55 0.50 -1.95 | 10.23 0.61 -0.92 | 10.80 0.72 0.00 | 11.61 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.22 1.04 0.00 | 19.98 1.13 -2.03 | 21.77 1.17 -4.83 | 26.11 1.65 0.00 | 18.51 1.17 0.00 | 14.25 0.95 0.00 | 9.00 0.59 0.00 |
| ASTORIA___2 24149 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.89 0.71 0.00 | 14.42 0.76 0.00 | 13.21 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.96 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.29 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.17 0.99 0.00 | 19.95 1.10 -2.03 | 21.75 1.14 -4.84 | 26.07 1.61 0.00 | 18.48 1.14 0.00 | 14.22 0.92 0.00 | 8.99 0.57 -0.01 |
| ASTORIA___3 23516 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.15 -2.03 | 21.84 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.23 0.00 | 14.26 0.96 0.00 | 9.02 0.61 -0.01 |
| ASTORIA___4 23517 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.19 1.01 0.00 | 20.00 1.15 -2.03 | 21.83 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.24 0.00 | 14.26 0.96 0.00 | 9.02 0.61 0.00 |
| ASTORIA___5 23518 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.15 -2.03 | 21.84 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.23 0.00 | 14.26 0.96 0.00 | 9.02 0.61 -0.01 |
| AST_ENERGY_2_CC3 323677 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.75 0.00 | 13.18 0.78 0.00 | 9.72 0.57 0.00 | 9.54 0.48 -1.95 | 10.23 0.61 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.65 0.94 -0.21 | 15.17 1.00 0.00 | 19.98 1.13 -2.03 | 21.77 1.16 -4.84 | 26.13 1.67 0.00 | 18.51 1.16 0.00 | 14.21 0.91 0.00 | 8.99 0.58 0.00 |
| AST_ENERGY_2_CC4 323678 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.14 0.33 -1.46 | 12.89 0.71 0.00 | 14.41 0.75 0.00 | 13.18 0.78 0.00 | 9.72 0.57 0.00 | 9.54 0.48 -1.95 | 10.23 0.61 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.65 0.94 -0.21 | 15.17 1.00 0.00 | 19.98 1.13 -2.03 | 21.77 1.16 -4.84 | 26.13 1.67 0.00 | 18.51 1.16 0.00 | 14.21 0.91 0.00 | 8.99 0.58 0.00 |
| ATHENS_STG_1 23668 | 12.25 0.39 -0.45 | 10.70 0.31 -2.20 | 9.64 0.32 0.00 | 11.92 0.40 0.00 | 8.71 0.28 -0.82 | 7.24 0.19 -1.70 | 12.60 0.42 0.00 | 14.10 0.44 0.00 | 12.81 0.40 0.00 | 9.44 0.28 0.00 | 8.23 0.25 -0.88 | 9.42 0.30 -0.41 | 10.44 0.35 0.00 | 8.45 0.23 -2.36 | 5.49 0.12 -2.32 | 8.92 0.22 -3.11 | 14.24 0.50 -0.24 | 14.72 0.55 0.00 | 19.82 0.65 -2.36 | 22.04 0.65 -5.62 | 25.39 0.94 0.00 | 17.95 0.61 0.00 | 13.77 0.47 0.00 | 8.70 0.29 0.00 |
| ATHENS_STG_2 23670 | 12.25 0.39 -0.45 | 10.70 0.31 -2.20 | 9.64 0.32 0.00 | 11.92 0.40 0.00 | 8.71 0.28 -0.82 | 7.24 0.19 -1.70 | 12.60 0.42 0.00 | 14.10 0.44 0.00 | 12.81 0.40 0.00 | 9.44 0.28 0.00 | 8.23 0.25 -0.88 | 9.42 0.30 -0.41 | 10.44 0.35 0.00 | 8.45 0.23 -2.36 | 5.49 0.12 -2.32 | 8.92 0.22 -3.11 | 14.24 0.50 -0.24 | 14.72 0.55 0.00 | 19.82 0.65 -2.36 | 22.04 0.65 -5.62 | 25.39 0.94 0.00 | 17.95 0.61 0.00 | 13.77 0.47 0.00 | 8.70 0.29 0.00 |

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|---------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|-----------------------|
| ATHENS_STG_3 23677 | 12.25 0.39 -0.45 | 10.70 0.31 -2.20 | 9.64 0.32 0.00 | 11.92 0.40 0.00 | 8.71 0.28 -0.82 | 7.24 0.19 -1.70 | 12.60 0.42 0.00 | 14.10 0.44 0.00 | 12.81 0.40 0.00 | 9.44 0.28 0.00 | 8.23 0.25 -0.88 | 9.42 0.30 -0.41 | 10.44 0.35 0.00 | 8.45 0.23 -2.36 | 5.49 0.12 -2.32 | 8.92 0.22 -3.11 | 14.24 0.50 -0.24 | 14.72 0.55 0.00 | 19.82 0.65 -2.36 | 22.04 0.65 -5.62 | 25.39 0.94 0.00 | 17.95 0.61 0.00 | 13.77 0.47 0.00 | 8.70 0.29 0.00 |
| AUBURN____LFGE 323710 | 11.48 0.02 -0.05 | 8.46 0.03 -0.24 | 9.34 0.02 0.00 | 11.53 0.01 0.00 | 7.69 -0.01 -0.09 | 5.55 0.01 -0.18 | 12.18 0.01 0.00 | 13.67 0.01 0.00 | 12.49 0.08 0.00 | 9.23 0.08 0.00 | 7.15 0.05 0.00 | 8.77 0.07 0.00 | 10.15 0.06 0.00 | 5.89 0.03 0.00 | 3.32 0.01 -0.25 | 5.92 0.03 -0.30 | 13.63 0.10 -0.03 | 14.32 0.15 0.00 | 17.29 0.22 -0.26 | 16.60 0.21 -0.61 | 25.26 0.30 -0.50 | 17.96 0.16 -0.45 | 13.55 0.11 -0.14 | 8.46 0.05 0.00 |
| BABYLON_RES_REC 323704 | 12.67 0.88 -0.39 | 10.74 0.66 -1.89 | 9.99 0.68 0.00 | 12.31 0.79 0.00 | 8.86 0.54 -0.71 | 7.17 0.36 -1.46 | 12.97 0.80 0.00 | 14.48 0.83 0.00 | 13.23 0.83 0.00 | 9.72 0.57 0.00 | 9.57 0.52 -1.95 | 10.21 0.59 -0.91 | 10.77 0.69 0.00 | 11.61 0.50 -5.25 | 5.34 0.29 -2.00 | 9.19 0.50 -3.10 | 14.79 1.08 -0.21 | 15.32 1.14 0.00 | 20.23 1.38 -2.03 | 21.92 1.31 -4.84 | 26.35 1.89 0.00 | 18.75 1.41 0.00 | 14.40 1.10 0.00 | 9.13 0.72 0.00 |
| BABYLON__69_KV_BK2 356345 | 12.80 1.01 -0.39 | 10.83 0.74 -1.89 | 10.09 0.77 0.00 | 12.42 0.90 0.00 | 8.93 0.61 -0.71 | 7.22 0.41 -1.46 | 13.10 0.92 0.00 | 14.62 0.96 0.00 | 13.36 0.96 0.00 | 9.81 0.66 0.00 | 9.64 0.59 -1.95 | 10.28 0.67 -0.91 | 10.86 0.77 0.00 | 11.66 0.56 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.22 -0.21 | 15.48 1.31 0.00 | 20.43 1.58 -2.03 | 22.11 1.50 -4.84 | 26.64 2.19 0.00 | 18.95 1.61 0.00 | 14.56 1.26 0.00 | 9.23 0.81 0.00 |
| BALL_HILL_WT_PWR 323825 | 11.07 -0.40 -0.07 | 8.15 -0.36 -0.32 | 8.81 -0.50 0.00 | 10.91 -0.61 0.00 | 7.31 -0.42 -0.12 | 5.31 -0.29 -0.25 | 11.62 -0.56 0.00 | 13.06 -0.60 0.00 | 12.05 -0.35 0.00 | 9.04 -0.12 0.00 | 6.98 -0.12 0.00 | 8.56 -0.14 0.00 | 9.90 -0.19 0.00 | 5.63 -0.23 0.00 | 3.28 -0.11 -0.34 | 5.67 -0.25 -0.33 | 13.01 -0.52 -0.04 | 13.62 -0.56 0.00 | 16.39 -0.77 -0.35 | 16.06 -0.53 -0.81 | 19.05 -0.91 4.50 | 12.55 -0.72 4.07 | 11.55 -0.54 1.22 | 8.09 -0.32 0.00 |
| BARON_WINDS____WT_PWR 323822 | 11.00 -0.49 -0.08 | 8.28 -0.33 -0.41 | 8.91 -0.40 0.00 | 10.99 -0.53 0.00 | 7.43 -0.33 -0.15 | 5.41 -0.26 -0.32 | 11.62 -0.56 0.00 | 13.03 -0.63 0.00 | 11.91 -0.49 0.00 | 8.87 -0.28 0.00 | 6.87 -0.23 0.00 | 8.40 -0.30 0.00 | 9.69 -0.40 0.00 | 5.55 -0.31 0.00 | 3.33 -0.15 -0.43 | 5.51 -0.30 -0.22 | 12.84 -0.71 -0.05 | 13.48 -0.69 0.00 | 16.34 -0.94 -0.46 | 16.22 -0.59 -1.04 | 1.47 -1.00 21.99 | -3.40 -0.81 19.92 | 6.83 -0.52 5.95 | 8.16 -0.25 0.00 |
| BARRETT_IC_1 23704 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_10 23701 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_11 23702 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_12 23703 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_2 23705 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_3 23706 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_4 23707 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_5 23708 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_6 23709 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |

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|------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|
| BARRETT_IC_7 23710 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.70 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.76 0.68 0.00 | 11.59 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.30 1.00 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_8 23711 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT_IC_9 23700 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT___1 23545 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BARRETT___2 23546 | 12.56 0.76 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.66 0.50 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.77 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.16 0.98 0.00 | 20.00 1.15 -2.03 | 21.72 1.11 -4.84 | 26.05 1.59 0.00 | 18.56 1.22 0.00 | 14.29 0.99 0.00 | 9.05 0.64 0.00 |
| BATAVIA___115KV_TB1 55881 | 11.18 -0.28 -0.05 | 8.16 -0.29 -0.26 | 8.89 -0.42 0.00 | 11.01 -0.51 0.00 | 7.36 -0.34 -0.10 | 5.32 -0.24 -0.20 | 11.74 -0.44 0.00 | 13.21 -0.44 0.00 | 12.20 -0.21 0.00 | 9.12 -0.04 0.00 | 7.02 -0.08 0.00 | 8.62 -0.09 0.00 | 9.94 -0.14 0.00 | 5.67 -0.19 0.00 | 3.25 -0.08 -0.28 | 5.69 -0.19 -0.29 | 13.18 -0.35 -0.34 | 13.83 -0.34 0.00 | 16.64 -0.45 -0.28 | 16.16 -0.29 -0.67 | 21.27 -0.66 2.53 | 14.54 -0.51 2.29 | 12.18 -0.44 0.68 | 8.15 -0.26 0.00 |
| BAYONEEC___CTG1 323682 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BAYONEEC___CTG10 323750 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BAYONEEC___CTG2 323683 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BAYONEEC___CTG3 323684 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BAYONEEC___CTG4 323685 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BAYONEEC___CTG5 323686 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BAYONEEC___CTG6 323687 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BAYONEEC___CTG7 323688 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BAYONEEC___CTG8 323689 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |

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|---|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| BAYONEEC___CTG9 323749 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.57 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.53 1.19 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| BEACON___LESR 323632 | 12.20 0.30 -0.49 | 10.86 0.24 -2.43 | 9.54 0.23 0.00 | 11.79 0.27 0.00 | 8.72 0.20 -0.91 | 7.37 0.15 -1.88 | 12.49 0.31 0.00 | 13.99 0.33 0.00 | 12.73 0.32 0.00 | 9.35 0.20 0.00 | 8.03 0.18 -0.74 | 9.29 0.23 -0.35 | 10.33 0.25 0.00 | 8.02 0.17 -2.00 | 5.71 0.09 -2.57 | 9.11 0.18 -3.34 | 14.18 0.40 -0.27 | 14.61 0.44 0.00 | 20.02 0.59 -2.61 | 22.52 0.53 -6.22 | 25.24 0.78 0.00 | 17.77 0.43 0.00 | 13.66 0.36 0.00 | 8.61 0.19 0.00 |
| BEAVER RIVER___HYD 24048 | 11.51 0.09 -0.02 | 8.29 0.03 -0.08 | 9.29 -0.02 0.00 | 11.53 0.02 0.00 | 7.56 -0.08 -0.03 | 5.31 -0.10 -0.06 | 11.93 -0.24 0.00 | 13.32 -0.34 0.00 | 12.17 -0.24 -0.01 | 9.09 -0.21 -0.15 | 6.90 -0.20 0.00 | 8.37 -0.34 0.00 | 9.67 -0.41 0.00 | 5.60 -0.26 0.00 | 3.14 -0.13 -0.21 | 6.81 -0.24 -1.46 | 15.00 -0.52 -2.02 | 16.02 -0.34 -2.19 | 18.90 -0.33 -2.41 | 17.80 -0.40 -2.43 | 24.74 -0.62 -0.90 | 18.98 -0.34 -1.98 | 13.07 -0.25 -0.02 | 8.19 -0.22 0.00 |
| BEEBEE_GT_13 23619 | 11.20 -0.25 -0.05 | 8.18 -0.23 -0.22 | 8.99 -0.33 0.00 | 11.11 -0.40 0.00 | 7.42 -0.27 -0.08 | 5.33 -0.19 -0.17 | 11.81 -0.37 0.00 | 13.27 -0.38 0.00 | 12.17 -0.23 0.00 | 9.06 -0.09 0.00 | 7.01 -0.09 0.00 | 8.61 -0.09 0.00 | 9.97 -0.12 0.00 | 5.73 -0.13 0.00 | 3.22 -0.06 -0.23 | 5.72 -0.13 -0.27 | 13.28 -0.24 -0.02 | 13.94 -0.23 0.00 | 16.75 -0.29 -0.23 | 16.12 -0.22 -0.56 | 23.98 -0.48 0.00 | 16.93 -0.41 0.00 | 12.95 -0.34 0.00 | 8.20 -0.21 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 12.62 0.83 -0.39 | 10.69 0.61 -1.89 | 9.95 0.63 0.00 | 12.27 0.75 0.00 | 8.83 0.51 -0.71 | 7.16 0.35 -1.46 | 12.96 0.78 0.00 | 14.50 0.84 0.00 | 13.27 0.87 0.00 | 9.78 0.63 0.00 | 9.59 0.54 -1.95 | 10.29 0.67 -0.92 | 10.88 0.80 0.00 | 11.64 0.52 -5.26 | 5.31 0.26 -2.00 | 9.17 0.48 -3.10 | 14.76 1.05 -0.21 | 15.30 1.12 0.00 | 20.14 1.29 -2.03 | 21.95 1.34 -4.84 | 26.38 1.92 0.00 | 18.68 1.34 0.00 | 14.34 1.04 0.00 | 9.06 0.65 0.00 |
| BETHLEHEM___GRP 23843 | 12.05 0.14 -0.50 | 10.74 0.12 -2.44 | 9.43 0.11 0.00 | 11.67 0.15 0.00 | 8.64 0.11 -0.91 | 7.31 0.08 -1.88 | 12.33 0.15 0.00 | 13.75 0.09 0.00 | 12.52 0.12 0.00 | 9.22 0.07 0.00 | 7.92 0.08 -0.74 | 9.15 0.10 -0.35 | 10.19 0.10 0.00 | 7.93 0.08 -1.99 | 5.67 0.04 -2.57 | 9.01 0.09 -3.34 | 13.91 0.14 -0.27 | 14.37 0.20 0.00 | 19.68 0.25 -2.61 | 22.22 0.22 -6.22 | 24.74 0.29 0.00 | 17.49 0.15 0.00 | 13.43 0.13 0.00 | 8.49 0.08 0.00 |
| BETHLEHEM___GS1 323560 | 12.05 0.14 -0.50 | 10.74 0.12 -2.44 | 9.43 0.11 0.00 | 11.67 0.15 0.00 | 8.64 0.11 -0.91 | 7.31 0.08 -1.88 | 12.32 0.14 0.00 | 13.75 0.10 0.00 | 12.52 0.12 0.00 | 9.22 0.07 0.00 | 7.92 0.08 -0.74 | 9.15 0.10 -0.35 | 10.19 0.10 0.00 | 7.93 0.08 -1.99 | 5.67 0.04 -2.57 | 9.01 0.09 -3.34 | 13.91 0.14 -0.27 | 14.37 0.20 0.00 | 19.67 0.25 -2.61 | 22.22 0.22 -6.22 | 24.74 0.28 0.00 | 17.49 0.14 0.00 | 13.42 0.12 0.00 | 8.49 0.08 0.00 |
| BETHLEHEM___GS2 323561 | 12.05 0.14 -0.50 | 10.74 0.12 -2.44 | 9.43 0.11 0.00 | 11.67 0.15 0.00 | 8.64 0.11 -0.91 | 7.31 0.08 -1.88 | 12.32 0.14 0.00 | 13.75 0.10 0.00 | 12.52 0.12 0.00 | 9.22 0.07 0.00 | 7.92 0.08 -0.74 | 9.15 0.10 -0.35 | 10.19 0.10 0.00 | 7.93 0.08 -1.99 | 5.67 0.04 -2.57 | 9.01 0.09 -3.34 | 13.91 0.14 -0.27 | 14.37 0.20 0.00 | 19.67 0.25 -2.61 | 22.22 0.22 -6.22 | 24.74 0.28 0.00 | 17.49 0.14 0.00 | 13.42 0.12 0.00 | 8.49 0.08 0.00 |
| BETHLEHEM___GS3 323562 | 12.05 0.14 -0.50 | 10.74 0.12 -2.44 | 9.43 0.11 0.00 | 11.67 0.15 0.00 | 8.64 0.11 -0.91 | 7.31 0.08 -1.88 | 12.32 0.14 0.00 | 13.75 0.10 0.00 | 12.52 0.12 0.00 | 9.22 0.07 0.00 | 7.92 0.08 -0.74 | 9.15 0.10 -0.35 | 10.19 0.10 0.00 | 7.93 0.08 -1.99 | 5.67 0.04 -2.57 | 9.01 0.09 -3.34 | 13.91 0.14 -0.27 | 14.37 0.20 0.00 | 19.67 0.25 -2.61 | 22.22 0.22 -6.22 | 24.74 0.28 0.00 | 17.49 0.14 0.00 | 13.42 0.12 0.00 | 8.49 0.08 0.00 |
| BETHLEHEM___STEEL 23779 | 11.04 -0.43 -0.06 | 8.11 -0.39 -0.31 | 8.77 -0.54 0.00 | 10.85 -0.66 0.00 | 7.27 -0.45 -0.12 | 5.27 -0.32 -0.24 | 11.55 -0.63 0.00 | 12.99 -0.66 0.00 | 12.01 -0.39 0.00 | 9.02 -0.13 0.00 | 6.96 -0.14 0.00 | 8.53 -0.17 0.00 | 9.87 -0.21 0.00 | 5.61 -0.25 0.00 | 3.26 -0.12 -0.33 | 5.63 -0.28 -0.32 | 12.93 -0.60 -0.03 | 13.52 -0.65 0.00 | 16.28 -0.87 -0.34 | 15.93 -0.63 -0.79 | 18.78 -1.12 4.56 | 12.36 -0.84 4.13 | 11.42 -0.65 1.23 | 8.04 -0.37 0.00 |
| BETHLHEM_115KV_TB1 79974 | 12.08 0.17 -0.50 | 10.77 0.15 -2.43 | 9.45 0.14 0.00 | 11.71 0.19 0.00 | 8.66 0.14 -0.91 | 7.32 0.09 -1.88 | 12.36 0.19 0.00 | 13.80 0.14 0.00 | 12.56 0.15 0.00 | 9.24 0.09 0.00 | 7.94 0.10 -0.73 | 9.17 0.12 -0.34 | 10.22 0.13 0.00 | 7.94 0.10 -1.98 | 5.68 0.05 -2.57 | 9.03 0.10 -3.34 | 13.96 0.19 -0.27 | 14.42 0.24 0.00 | 19.73 0.30 -2.61 | 22.27 0.28 -6.22 | 24.83 0.37 0.00 | 17.55 0.21 0.00 | 13.47 0.17 0.00 | 8.52 0.10 0.00 |
| BETHPAGE_CC_5 323564 | 12.64 0.85 -0.39 | 10.72 0.64 -1.89 | 9.97 0.66 0.00 | 12.29 0.77 0.00 | 8.85 0.53 -0.71 | 7.16 0.35 -1.46 | 12.96 0.78 0.00 | 14.46 0.81 0.00 | 13.22 0.82 0.00 | 9.72 0.57 0.00 | 9.58 0.53 -1.95 | 10.22 0.60 -0.91 | 10.80 0.71 0.00 | 11.61 0.50 -5.25 | 5.34 0.28 -2.00 | 9.18 0.49 -3.10 | 14.78 1.07 -0.21 | 15.29 1.11 0.00 | 20.16 1.31 -2.03 | 21.86 1.25 -4.84 | 26.30 1.84 0.00 | 18.71 1.37 0.00 | 14.38 1.08 0.00 | 9.11 0.71 0.00 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 11.09 -0.38 -0.06 | 8.14 -0.36 -0.31 | 8.81 -0.50 0.00 | 10.90 -0.62 0.00 | 7.31 -0.42 -0.12 | 5.30 -0.30 -0.24 | 11.59 -0.58 0.00 | 13.04 -0.61 0.00 | 12.07 -0.33 0.00 | 9.06 -0.09 0.00 | 6.99 -0.11 0.00 | 8.57 -0.14 0.00 | 9.91 -0.18 0.00 | 5.63 -0.23 0.00 | 3.28 -0.11 -0.33 | 5.65 -0.26 -0.33 | 12.98 -0.56 -0.04 | 13.57 -0.60 0.00 | 16.35 -0.81 -0.34 | 15.99 -0.58 -0.80 | 19.10 -1.02 4.34 | 12.63 -0.78 3.93 | 11.54 -0.59 1.17 | 8.07 -0.34 0.00 |
| BINGHAMTON___COGEN 23790 | 11.57 0.04 -0.12 | 8.82 0.03 -0.60 | 9.33 0.02 0.00 | 11.54 0.02 0.00 | 7.85 0.02 -0.22 | 5.82 0.01 -0.46 | 12.21 0.04 0.00 | 13.70 0.05 0.00 | 12.47 0.07 0.00 | 9.23 0.07 0.00 | 7.16 0.06 0.00 | 8.79 0.09 0.00 | 10.18 0.09 0.00 | 5.90 0.03 0.00 | 3.70 0.02 -0.63 | 6.35 0.03 -0.73 | 13.67 0.10 -0.07 | 14.30 0.13 0.00 | 17.56 0.10 -0.64 | 17.51 0.22 -1.52 | 24.74 0.28 0.00 | 17.44 0.10 0.00 | 13.39 0.09 0.00 | 8.46 0.05 0.00 |
| BIXINCNT_115KV_LOAD 355685 | 11.03 -0.44 -0.07 | 8.16 -0.35 -0.33 | 8.82 -0.49 0.00 | 10.86 -0.65 0.00 | 7.29 -0.44 -0.12 | 5.31 -0.30 -0.25 | 11.61 -0.56 0.00 | 13.05 -0.60 0.00 | 12.09 -0.31 0.00 | 9.04 -0.11 0.00 | 6.93 -0.16 0.00 | 8.43 -0.27 0.00 | 9.68 -0.40 0.00 | 5.55 -0.30 0.00 | 3.25 -0.15 -0.35 | 5.55 -0.40 -0.36 | 12.71 -0.83 -0.04 | 13.36 -0.82 0.00 | 16.04 -1.14 -0.36 | 15.79 -0.82 -0.84 | 20.08 -1.24 3.14 | 13.62 -0.88 2.84 | 11.92 -0.53 0.85 | 8.11 -0.31 0.00 |

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| BLACK RIVER___HYD 24047 | 11.63 0.20 -0.02 | 8.39 0.10 -0.10 | 9.37 0.05 0.00 | 11.63 0.11 0.00 | 7.63 -0.02 -0.04 | 5.36 -0.07 -0.08 | 11.98 -0.20 0.00 | 13.38 -0.27 0.00 | 12.26 -0.15 0.00 | 9.12 -0.14 -0.11 | 6.97 -0.13 0.00 | 8.45 -0.26 0.00 | 9.71 -0.38 0.00 | 5.62 -0.25 0.00 | 3.15 -0.11 -0.20 | 6.47 -0.22 -1.10 | 14.49 -0.46 -1.45 | 15.57 -0.16 -1.56 | 18.52 -0.06 -1.77 | 17.45 -0.19 -1.87 | 24.75 -0.35 -0.64 | 18.54 -0.21 -1.41 | 13.17 -0.14 -0.01 | 8.26 -0.15 0.00 |
| BLACKRVR_115KV_TB2 79977 | 11.63 0.20 -0.02 | 8.39 0.10 -0.10 | 9.37 0.05 0.00 | 11.63 0.11 0.00 | 7.63 -0.02 -0.04 | 5.36 -0.07 -0.08 | 11.98 -0.20 0.00 | 13.38 -0.27 0.00 | 12.26 -0.15 0.00 | 9.12 -0.14 -0.11 | 6.97 -0.13 0.00 | 8.45 -0.26 0.00 | 9.71 -0.38 0.00 | 5.62 -0.25 0.00 | 3.15 -0.11 -0.20 | 6.47 -0.22 -1.10 | 14.49 -0.46 -1.45 | 15.57 -0.17 -1.56 | 18.52 -0.06 -1.77 | 17.45 -0.19 -1.87 | 24.75 -0.35 -0.64 | 18.54 -0.21 -1.41 | 13.17 -0.14 -0.01 | 8.26 -0.15 0.00 |
| BLISS_WT_PWR 323608 | 10.97 -0.51 -0.07 | 8.13 -0.39 -0.33 | 8.77 -0.54 0.00 | 10.80 -0.72 0.00 | 7.25 -0.49 -0.12 | 5.28 -0.32 -0.25 | 11.57 -0.61 0.00 | 12.98 -0.67 0.00 | 12.03 -0.37 0.00 | 8.98 -0.17 0.00 | 6.89 -0.22 0.00 | 8.35 -0.35 0.00 | 9.58 -0.51 0.00 | 5.50 -0.36 0.00 | 3.22 -0.17 -0.35 | 5.49 -0.46 -0.36 | 12.56 -0.98 -0.04 | 13.23 -0.95 0.00 | 15.86 -1.31 -0.36 | 15.64 -0.97 -0.84 | 19.88 -1.44 3.14 | 13.51 -0.99 2.84 | 11.88 -0.57 0.85 | 8.07 -0.34 0.00 |
| BLUESTONE___WT_PWR 323821 | 11.84 0.29 -0.14 | 9.08 0.21 -0.68 | 9.52 0.21 0.00 | 11.79 0.27 0.00 | 8.06 0.19 -0.26 | 6.02 0.14 -0.53 | 12.52 0.34 0.00 | 14.04 0.39 0.00 | 12.76 0.35 0.00 | 9.43 0.27 0.00 | 7.32 0.22 0.00 | 8.97 0.26 0.00 | 10.35 0.27 0.00 | 6.02 0.16 0.00 | 3.85 0.08 -0.72 | 6.57 0.14 -0.84 | 14.02 0.44 -0.08 | 14.69 0.52 0.00 | 18.18 0.63 -0.74 | 18.24 0.72 -1.75 | 25.48 1.03 0.00 | 17.95 0.61 0.00 | 13.74 0.44 0.00 | 8.66 0.25 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 12.20 0.30 -0.49 | 10.82 0.24 -2.40 | 9.57 0.25 0.00 | 11.84 0.32 0.00 | 8.73 0.23 -0.90 | 7.36 0.16 -1.85 | 12.52 0.34 0.00 | 13.98 0.33 0.00 | 12.70 0.30 0.00 | 9.35 0.20 0.00 | 7.96 0.17 -0.69 | 9.23 0.20 -0.32 | 10.31 0.23 0.00 | 7.87 0.15 -1.86 | 5.66 0.08 -2.53 | 9.04 0.15 -3.30 | 14.11 0.35 -0.27 | 14.57 0.40 0.00 | 19.87 0.49 -2.57 | 22.35 0.46 -6.12 | 25.14 0.68 0.00 | 17.75 0.40 0.00 | 13.62 0.32 0.00 | 8.61 0.20 0.00 |
| BOC_GAS_DRP 24189 | 12.16 0.26 -0.50 | 10.83 0.21 -2.43 | 9.53 0.22 0.00 | 11.79 0.28 0.00 | 8.71 0.19 -0.91 | 7.36 0.13 -1.88 | 12.46 0.28 0.00 | 13.93 0.28 0.00 | 12.66 0.26 0.00 | 9.33 0.17 0.00 | 7.98 0.16 -0.72 | 9.24 0.19 -0.34 | 10.30 0.22 0.00 | 7.95 0.15 -1.94 | 5.70 0.08 -2.57 | 9.06 0.15 -3.33 | 14.08 0.31 -0.27 | 14.53 0.36 0.00 | 19.86 0.43 -2.61 | 22.41 0.42 -6.22 | 25.06 0.60 0.00 | 17.71 0.37 0.00 | 13.59 0.29 0.00 | 8.59 0.18 0.00 |
| BOONVILLE_115KV_TB1 79983 | 11.59 0.17 -0.02 | 8.37 0.11 -0.07 | 9.41 0.10 0.00 | 11.66 0.14 0.00 | 7.68 0.05 -0.03 | 5.42 0.01 -0.05 | 12.21 0.03 0.00 | 13.67 0.02 0.00 | 12.47 0.07 0.00 | 9.24 0.03 -0.06 | 7.10 0.00 0.00 | 8.66 -0.05 0.00 | 10.03 -0.06 0.00 | 5.81 -0.05 0.00 | 3.15 -0.03 -0.13 | 6.16 -0.05 -0.62 | 14.25 -0.06 -0.80 | 15.08 0.04 -0.86 | 17.90 0.10 -0.99 | 16.90 0.06 -1.06 | 24.90 0.08 -0.36 | 18.21 0.09 -0.78 | 13.36 0.05 -0.01 | 8.40 -0.01 0.00 |
| BORALEX_4TH_BRANCH 23824 | 12.30 0.40 -0.49 | 10.91 0.31 -2.42 | 9.64 0.33 0.00 | 11.93 0.41 0.00 | 8.80 0.29 -0.91 | 7.42 0.20 -1.87 | 12.60 0.42 0.00 | 14.10 0.44 0.00 | 12.79 0.39 0.00 | 9.38 0.23 0.00 | 8.14 0.23 -0.80 | 9.36 0.28 -0.38 | 10.39 0.30 0.00 | 8.24 0.21 -2.17 | 5.72 0.10 -2.56 | 9.13 0.20 -3.35 | 14.28 0.51 -0.27 | 14.74 0.57 0.00 | 20.09 0.67 -2.60 | 22.56 0.60 -6.19 | 25.39 0.93 0.00 | 17.90 0.56 0.00 | 13.74 0.44 0.00 | 8.66 0.25 0.00 |
| BOWLINE___1 23526 | 12.36 0.59 -0.36 | 10.40 0.46 -1.75 | 9.78 0.47 0.00 | 12.07 0.55 0.00 | 8.64 0.38 -0.66 | 6.96 0.26 -1.35 | 12.76 0.58 0.00 | 14.28 0.62 0.00 | 13.04 0.63 0.00 | 9.60 0.45 0.00 | 4.80 0.39 2.69 | 7.92 0.48 1.26 | 10.65 0.56 0.00 | -1.00 0.37 7.24 | 5.09 0.19 -1.85 | 9.02 0.35 -3.08 | 14.48 0.78 -0.20 | 15.01 0.84 0.00 | 19.68 0.99 -1.88 | 21.26 1.01 -4.48 | 25.91 1.45 0.00 | 18.35 1.01 0.00 | 14.06 0.76 0.00 | 8.89 0.47 0.00 |
| BOWLINE___2 23595 | 12.36 0.59 -0.36 | 10.40 0.46 -1.75 | 9.78 0.47 0.00 | 12.07 0.55 0.00 | 8.64 0.38 -0.66 | 6.96 0.26 -1.35 | 12.76 0.58 0.00 | 14.28 0.62 0.00 | 13.04 0.63 0.00 | 9.60 0.45 0.00 | 4.80 0.39 2.69 | 7.92 0.48 1.26 | 10.65 0.56 0.00 | -1.01 0.37 7.24 | 5.09 0.19 -1.85 | 9.02 0.35 -3.08 | 14.48 0.78 -0.20 | 15.01 0.84 0.00 | 19.68 0.99 -1.88 | 21.26 1.01 -4.48 | 25.91 1.45 0.00 | 18.35 1.01 0.00 | 14.06 0.76 0.00 | 8.89 0.47 0.00 |
| BRADY___115KV_TB2 356060 | 11.50 0.09 0.00 | 8.21 0.02 0.00 | 9.35 0.04 0.00 | 11.59 0.08 0.00 | 7.63 0.03 0.00 | 5.38 0.02 0.00 | 12.24 0.06 0.00 | 13.77 0.12 0.00 | 12.43 0.02 -0.01 | 9.39 0.04 -0.20 | 7.09 -0.01 0.00 | 8.66 -0.05 0.00 | 10.02 -0.06 0.00 | 5.82 -0.04 0.00 | 3.20 -0.02 -0.17 | 7.31 -0.02 -1.74 | 16.02 -0.05 -2.57 | 16.90 -0.06 -2.78 | 19.75 -0.02 -2.96 | 18.54 -0.08 -2.85 | 25.54 -0.06 -1.15 | 19.88 0.02 -2.52 | 13.34 0.02 -0.02 | 8.44 0.03 0.00 |
| BRANSCOMB___SOLAR 323811 | 12.41 0.49 -0.51 | 11.06 0.38 -2.49 | 9.71 0.39 0.00 | 11.99 0.48 0.00 | 8.87 0.32 -0.93 | 7.50 0.23 -1.92 | 12.68 0.50 0.00 | 14.26 0.60 0.00 | 12.97 0.57 0.00 | 9.55 0.40 0.00 | 8.16 0.33 -0.73 | 9.44 0.39 -0.34 | 10.51 0.43 0.00 | 8.09 0.26 -1.97 | 5.81 0.14 -2.63 | 9.25 0.26 -3.39 | 14.43 0.66 -0.28 | 14.93 0.76 0.00 | 20.40 0.91 -2.67 | 22.97 0.84 -6.35 | 25.69 1.23 0.00 | 18.09 0.75 0.00 | 13.87 0.56 0.00 | 8.74 0.33 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 12.78 0.98 -0.39 | 10.82 0.73 -1.89 | 10.07 0.76 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.08 0.90 0.00 | 14.59 0.94 0.00 | 13.34 0.93 0.00 | 9.79 0.63 0.00 | 9.62 0.57 -1.95 | 10.26 0.65 -0.91 | 10.82 0.74 0.00 | 11.65 0.54 -5.25 | 5.37 0.31 -2.00 | 9.24 0.55 -3.10 | 14.88 1.17 -0.21 | 15.43 1.26 0.00 | 20.37 1.53 -2.03 | 22.04 1.43 -4.84 | 26.53 2.07 0.00 | 18.89 1.54 0.00 | 14.52 1.22 0.00 | 9.20 0.79 0.00 |
| BRISTLHL_115KV_TB1 79998 | 11.49 0.05 -0.03 | 8.37 0.02 -0.16 | 9.31 0.00 0.00 | 11.52 0.00 0.00 | 7.66 -0.01 -0.06 | 5.46 -0.02 -0.12 | 12.16 -0.02 0.00 | 13.64 -0.01 0.00 | 12.43 0.03 0.00 | 9.19 0.04 0.00 | 7.14 0.04 0.00 | 8.75 0.05 0.00 | 10.12 0.03 0.00 | 5.86 0.00 0.00 | 3.23 0.00 -0.17 | 5.80 0.01 -0.20 | 13.58 0.06 -0.02 | 14.31 0.14 0.00 | 17.18 0.19 -0.17 | 16.39 0.21 -0.41 | 24.71 0.25 0.00 | 17.45 0.11 0.00 | 13.36 0.06 0.00 | 8.43 0.02 0.00 |
| BROOKHAVEN___DRP 24191 | 12.78 0.98 -0.39 | 10.81 0.73 -1.89 | 10.06 0.75 0.00 | 12.39 0.87 0.00 | 8.91 0.59 -0.71 | 7.20 0.39 -1.46 | 13.07 0.89 0.00 | 14.58 0.93 0.00 | 13.32 0.92 0.00 | 9.77 0.62 0.00 | 9.60 0.55 -1.95 | 10.22 0.61 -0.91 | 10.79 0.70 0.00 | 11.62 0.52 -5.25 | 5.36 0.31 -2.00 | 9.23 0.54 -3.10 | 14.87 1.16 -0.21 | 15.42 1.25 0.00 | 20.37 1.53 -2.03 | 22.05 1.44 -4.84 | 26.52 2.06 0.00 | 18.87 1.53 0.00 | 14.51 1.21 0.00 | 9.20 0.79 0.00 |

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|----------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| BROOKLYN_NAVY_YARD 23515 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.93 0.62 0.00 | 12.25 0.73 0.00 | 8.82 0.50 -0.71 | 7.15 0.34 -1.46 | 12.93 0.76 0.00 | 14.46 0.81 0.00 | 13.23 0.83 0.00 | 9.75 0.60 0.00 | 9.55 0.50 -1.95 | 10.25 0.63 -0.92 | 10.82 0.73 0.00 | 11.60 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.69 0.98 -0.21 | 15.20 1.03 0.00 | 20.02 1.17 -2.03 | 21.81 1.20 -4.84 | 26.17 1.72 0.00 | 18.55 1.20 0.00 | 14.25 0.96 0.00 | 9.01 0.61 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| BROOKVLE_69_KV_TB1 55790 | 12.60 0.80 -0.39 | 10.69 0.60 -1.89 | 9.94 0.63 0.00 | 12.25 0.73 0.00 | 8.83 0.51 -0.71 | 7.15 0.34 -1.46 | 12.94 0.76 0.00 | 14.45 0.80 0.00 | 13.21 0.81 0.00 | 9.73 0.58 0.00 | 9.58 0.52 -1.95 | 10.24 0.63 -0.91 | 10.83 0.74 0.00 | 11.61 0.51 -5.25 | 5.32 0.27 -2.00 | 9.17 0.48 -3.10 | 14.76 1.05 -0.21 | 15.28 1.11 0.00 | 20.15 1.30 -2.03 | 21.89 1.28 -4.84 | 26.32 1.86 0.00 | 18.68 1.34 0.00 | 14.34 1.04 0.00 | 9.07 0.66 0.00 |
| BROOME_2_LFGE 323671 | 11.57 0.04 -0.12 | 8.82 0.03 -0.60 | 9.33 0.02 0.00 | 11.54 0.02 0.00 | 7.85 0.02 -0.22 | 5.82 0.01 -0.46 | 12.22 0.04 0.00 | 13.70 0.05 0.00 | 12.47 0.07 0.00 | 9.23 0.08 0.00 | 7.16 0.06 0.00 | 8.79 0.08 0.00 | 10.18 0.09 0.00 | 5.90 0.04 0.00 | 3.70 0.02 -0.63 | 6.35 0.03 -0.73 | 13.67 0.10 -0.07 | 14.30 0.12 0.00 | 17.56 0.10 -0.64 | 17.51 0.21 -1.52 | 24.73 0.27 0.00 | 17.44 0.10 0.00 | 13.39 0.09 0.00 | 8.46 0.05 0.00 |
| BROOME___LFGE 323600 | 11.57 0.04 -0.12 | 8.82 0.03 -0.60 | 9.33 0.02 0.00 | 11.54 0.02 0.00 | 7.85 0.02 -0.22 | 5.82 0.01 -0.46 | 12.22 0.04 0.00 | 13.70 0.05 0.00 | 12.47 0.07 0.00 | 9.23 0.08 0.00 | 7.16 0.06 0.00 | 8.79 0.08 0.00 | 10.18 0.09 0.00 | 5.90 0.04 0.00 | 3.70 0.02 -0.63 | 6.35 0.03 -0.73 | 13.67 0.10 -0.07 | 14.30 0.12 0.00 | 17.56 0.10 -0.64 | 17.51 0.21 -1.52 | 24.73 0.27 0.00 | 17.44 0.10 0.00 | 13.39 0.09 0.00 | 8.46 0.05 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 11.46 0.04 -0.01 | 8.22 -0.02 -0.05 | 9.25 -0.06 0.00 | 11.49 -0.02 0.00 | 7.54 -0.09 -0.02 | 5.30 -0.09 -0.04 | 11.97 -0.21 0.00 | 13.40 -0.26 0.00 | 12.18 -0.24 -0.01 | 9.24 -0.18 -0.27 | 6.92 -0.18 0.00 | 8.42 -0.28 0.00 | 9.74 -0.34 0.00 | 5.65 -0.22 0.00 | 3.24 -0.11 -0.29 | 7.87 -0.19 -2.48 | 16.63 -0.44 -3.57 | 17.70 -0.34 -3.87 | 20.64 -0.35 -4.17 | 19.45 -0.41 -4.09 | 25.45 -0.60 -1.60 | 20.50 -0.34 -3.50 | 13.08 -0.25 -0.03 | 8.23 -0.18 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 12.64 0.84 -0.39 | 10.71 0.64 -1.89 | 9.97 0.66 0.00 | 12.30 0.78 0.00 | 8.85 0.53 -0.71 | 7.17 0.37 -1.46 | 12.99 0.82 0.00 | 14.52 0.87 0.00 | 13.29 0.89 0.00 | 9.80 0.65 0.00 | 9.60 0.55 -1.95 | 10.32 0.69 -0.92 | 10.90 0.81 0.00 | 11.64 0.52 -5.26 | 5.32 0.27 -2.00 | 9.17 0.48 -3.10 | 14.79 1.07 -0.21 | 15.31 1.14 0.00 | 20.16 1.31 -2.03 | 21.95 1.34 -4.84 | 26.40 1.94 0.00 | 18.69 1.35 0.00 | 14.35 1.05 0.00 | 9.07 0.66 0.00 |
| BURROWS___LYONSDAL 23803 | 11.57 0.15 -0.02 | 8.36 0.09 -0.07 | 9.38 0.07 0.00 | 11.62 0.10 0.00 | 7.65 0.02 -0.03 | 5.39 -0.02 -0.05 | 12.13 -0.05 0.00 | 13.56 -0.09 0.00 | 12.39 -0.02 0.00 | 9.19 -0.04 -0.08 | 7.04 -0.06 0.00 | 8.57 -0.14 0.00 | 9.92 -0.17 0.00 | 5.75 -0.12 0.00 | 3.14 -0.06 -0.14 | 6.27 -0.11 -0.79 | 14.34 -0.20 -1.04 | 15.22 -0.08 -1.12 | 18.04 -0.04 -1.27 | 17.02 -0.08 -1.33 | 24.79 -0.13 -0.46 | 18.32 -0.03 -1.01 | 13.27 -0.04 -0.01 | 8.34 -0.07 0.00 |
| CAITHNESS_CC_1 323624 | 12.75 0.95 -0.39 | 10.79 0.70 -1.89 | 10.04 0.73 0.00 | 12.36 0.85 0.00 | 8.89 0.58 -0.71 | 7.19 0.38 -1.46 | 13.03 0.86 0.00 | 14.55 0.90 0.00 | 13.29 0.89 0.00 | 9.75 0.60 0.00 | 9.58 0.53 -1.95 | 10.21 0.59 -0.91 | 10.76 0.68 0.00 | 11.61 0.51 -5.25 | 5.36 0.30 -2.00 | 9.21 0.52 -3.10 | 14.83 1.12 -0.21 | 15.38 1.21 0.00 | 20.32 1.47 -2.03 | 22.00 1.39 -4.84 | 26.44 1.98 0.00 | 18.81 1.47 0.00 | 14.45 1.15 0.00 | 9.18 0.77 0.00 |
| CALPINE BETH_PAGE_GT4 24209 | 12.63 0.84 -0.39 | 10.72 0.64 -1.89 | 9.97 0.66 0.00 | 12.28 0.76 0.00 | 8.84 0.52 -0.71 | 7.16 0.35 -1.46 | 12.96 0.78 0.00 | 14.46 0.80 0.00 | 13.22 0.81 0.00 | 9.72 0.57 0.00 | 9.57 0.52 -1.95 | 10.22 0.60 -0.91 | 10.80 0.71 0.00 | 11.61 0.50 -5.25 | 5.33 0.28 -2.00 | 9.18 0.49 -3.10 | 14.77 1.06 -0.21 | 15.26 1.09 0.00 | 20.11 1.26 -2.03 | 21.82 1.21 -4.84 | 26.27 1.81 0.00 | 18.71 1.37 0.00 | 14.38 1.09 0.00 | 9.11 0.70 0.00 |
| CALPINE_BETH_PAGE_GT_4 323586 | 12.63 0.84 -0.39 | 10.72 0.64 -1.89 | 9.97 0.66 0.00 | 12.28 0.76 0.00 | 8.84 0.52 -0.71 | 7.16 0.35 -1.46 | 12.95 0.78 0.00 | 14.46 0.80 0.00 | 13.22 0.82 0.00 | 9.72 0.57 0.00 | 9.57 0.52 -1.95 | 10.22 0.60 -0.91 | 10.80 0.71 0.00 | 11.61 0.50 -5.25 | 5.33 0.28 -2.00 | 9.18 0.49 -3.10 | 14.77 1.06 -0.21 | 15.27 1.09 0.00 | 20.11 1.26 -2.03 | 21.82 1.21 -4.84 | 26.27 1.81 0.00 | 18.71 1.37 0.00 | 14.37 1.08 0.00 | 9.11 0.70 0.00 |
| CALPINE_BP_GT1 23823 | 12.63 0.84 -0.39 | 10.72 0.64 -1.89 | 9.97 0.66 0.00 | 12.28 0.76 0.00 | 8.84 0.52 -0.71 | 7.16 0.35 -1.46 | 12.95 0.78 0.00 | 14.46 0.80 0.00 | 13.22 0.82 0.00 | 9.72 0.57 0.00 | 9.57 0.52 -1.95 | 10.22 0.60 -0.91 | 10.80 0.71 0.00 | 11.61 0.50 -5.25 | 5.33 0.28 -2.00 | 9.18 0.49 -3.10 | 14.77 1.06 -0.21 | 15.27 1.09 0.00 | 20.11 1.26 -2.03 | 21.82 1.21 -4.84 | 26.27 1.81 0.00 | 18.71 1.37 0.00 | 14.37 1.08 0.00 | 9.11 0.70 0.00 |
| CALSPAN___DRP 24200 | 11.04 -0.43 -0.06 | 8.11 -0.39 -0.31 | 8.77 -0.54 0.00 | 10.85 -0.66 0.00 | 7.27 -0.45 -0.12 | 5.27 -0.32 -0.24 | 11.55 -0.63 0.00 | 12.99 -0.66 0.00 | 12.01 -0.39 0.00 | 9.02 -0.13 0.00 | 6.96 -0.14 0.00 | 8.53 -0.17 0.00 | 9.87 -0.21 0.00 | 5.61 -0.25 0.00 | 3.26 -0.12 -0.33 | 5.63 -0.28 -0.32 | 12.93 -0.60 -0.03 | 13.52 -0.65 0.00 | 16.28 -0.87 -0.34 | 15.93 -0.63 -0.79 | 18.78 -1.12 4.56 | 12.36 -0.84 4.13 | 11.42 -0.65 1.23 | 8.04 -0.37 0.00 |
| CALVERTON___SOLAR 323806 | 12.81 1.02 -0.39 | 10.83 0.75 -1.89 | 10.09 0.77 0.00 | 12.42 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.10 0.92 0.00 | 14.63 0.97 0.00 | 13.36 0.96 0.00 | 9.80 0.65 0.00 | 9.61 0.57 -1.95 | 10.25 0.63 -0.91 | 10.81 0.72 0.00 | 11.64 0.53 -5.25 | 5.37 0.32 -2.00 | 9.24 0.55 -3.10 | 14.92 1.21 -0.21 | 15.48 1.31 0.00 | 20.45 1.60 -2.03 | 22.12 1.51 -4.84 | 26.63 2.17 0.00 | 18.93 1.59 0.00 | 14.54 1.24 0.00 | 9.23 0.82 0.00 |
| CANDIGU_WT_PWR 323617 | 11.00 -0.49 -0.08 | 8.28 -0.33 -0.41 | 8.91 -0.40 0.00 | 10.99 -0.53 0.00 | 7.43 -0.33 -0.15 | 5.41 -0.26 -0.32 | 11.62 -0.56 0.00 | 13.03 -0.63 0.00 | 11.91 -0.49 0.00 | 8.87 -0.28 0.00 | 6.87 -0.23 0.00 | 8.40 -0.30 0.00 | 9.69 -0.40 0.00 | 5.55 -0.31 0.00 | 3.33 -0.15 -0.43 | 5.51 -0.30 -0.22 | 12.84 -0.71 -0.05 | 13.48 -0.69 0.00 | 16.34 -0.94 -0.46 | 16.22 -0.59 -1.04 | 1.47 -1.00 21.99 | -3.40 -0.81 19.92 | 6.83 -0.52 5.95 | 8.16 -0.25 0.00 |

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| CARR STREET_E_SYR 24060 | 11.32 -0.12 -0.04 | 8.27 -0.09 -0.17 | 9.19 -0.12 0.00 | 11.36 -0.15 0.00 | 7.57 -0.10 -0.06 | 5.41 -0.07 -0.13 | 12.03 -0.15 0.00 | 13.49 -0.16 0.00 | 12.28 -0.12 0.00 | 9.08 -0.07 0.00 | 7.05 -0.06 0.00 | 8.64 -0.06 0.00 | 10.01 -0.08 0.00 | 5.81 -0.06 0.00 | 3.21 -0.03 -0.18 | 5.75 -0.05 -0.21 | 13.42 -0.10 -0.02 | 14.10 -0.07 0.00 | 16.92 -0.08 -0.18 | 16.18 -0.04 -0.44 | 24.34 -0.11 0.00 | 17.21 -0.13 0.00 | 13.18 -0.12 0.00 | 8.33 -0.08 0.00 |
| CARTHAGE___PAPER 23857 | 11.62 0.20 -0.02 | 8.38 0.10 -0.09 | 9.37 0.06 0.00 | 11.63 0.11 0.00 | 7.63 -0.01 -0.04 | 5.36 -0.06 -0.07 | 12.02 -0.16 0.00 | 13.42 -0.23 0.00 | 12.28 -0.13 0.00 | 9.15 -0.13 -0.13 | 6.96 -0.14 0.00 | 8.43 -0.27 0.00 | 9.74 -0.34 0.00 | 5.63 -0.23 0.00 | 3.16 -0.11 -0.21 | 6.63 -0.21 -1.24 | 14.75 -0.42 -1.67 | 15.80 -0.18 -1.80 | 18.73 -0.11 -2.02 | 17.63 -0.23 -2.08 | 24.85 -0.35 -0.75 | 18.79 -0.19 -1.63 | 13.18 -0.13 -0.01 | 8.26 -0.15 0.00 |
| CASSADAGA_WT_PWR 323784 | 10.99 -0.49 -0.07 | 8.09 -0.43 -0.33 | 8.67 -0.64 0.00 | 10.77 -0.75 0.00 | 7.20 -0.53 -0.12 | 5.25 -0.35 -0.25 | 11.48 -0.69 0.00 | 12.91 -0.74 0.00 | 11.95 -0.45 0.00 | 8.99 -0.16 0.00 | 6.94 -0.16 0.00 | 8.50 -0.20 0.00 | 9.75 -0.34 0.00 | 5.54 -0.32 0.00 | 3.23 -0.17 -0.34 | 5.60 -0.35 -0.36 | 12.80 -0.74 -0.04 | 13.50 -0.68 0.00 | 16.37 -0.80 -0.36 | 16.01 -0.60 -0.84 | 20.22 -0.87 3.37 | 13.67 -0.62 3.06 | 11.95 -0.44 0.91 | 8.15 -0.27 0.00 |
| CE_DUNWOOD___DRP 24194 | 12.45 0.66 -0.38 | 10.57 0.51 -1.88 | 9.83 0.52 0.00 | 12.14 0.62 0.00 | 8.73 0.42 -0.70 | 7.09 0.29 -1.45 | 12.82 0.64 0.00 | 14.34 0.69 0.00 | 13.10 0.70 0.00 | 9.66 0.50 0.00 | 9.54 0.43 -2.01 | 10.18 0.54 -0.94 | 10.72 0.63 0.00 | 11.68 0.41 -5.40 | 5.25 0.21 -1.98 | 9.07 0.38 -3.10 | 14.56 0.85 -0.21 | 15.09 0.92 0.00 | 19.91 1.07 -2.02 | 21.67 1.09 -4.80 | 26.03 1.57 0.00 | 18.43 1.09 0.00 | 14.14 0.84 0.00 | 8.94 0.53 0.00 |
| CE_MILLWOOD___DRP 24193 | 12.42 0.64 -0.38 | 10.54 0.49 -1.86 | 9.82 0.50 0.00 | 12.11 0.59 0.00 | 8.71 0.40 -0.70 | 7.06 0.28 -1.43 | 12.80 0.62 0.00 | 14.32 0.66 0.00 | 13.08 0.67 0.00 | 9.64 0.48 0.00 | 9.56 0.41 -2.04 | 10.18 0.52 -0.96 | 10.69 0.60 0.00 | 11.75 0.40 -5.49 | 5.22 0.20 -1.96 | 9.05 0.37 -3.09 | 14.54 0.83 -0.21 | 15.06 0.89 0.00 | 19.85 1.04 -1.99 | 21.58 1.06 -4.75 | 25.99 1.53 0.00 | 18.39 1.05 0.00 | 14.11 0.81 0.00 | 8.92 0.51 0.00 |
| CE_NYC2_DRP 24202 | 12.58 0.79 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.25 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.76 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.76 0.60 0.00 | 9.56 0.51 -1.95 | 10.26 0.64 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.03 0.00 | 20.02 1.17 -2.03 | 21.84 1.23 -4.84 | 26.23 1.78 0.00 | 18.58 1.24 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| CE_NYC_DRP 24195 | 12.55 0.76 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.21 0.81 0.00 | 9.74 0.59 0.00 | 9.55 0.50 -1.95 | 10.25 0.63 -0.92 | 10.82 0.73 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.81 1.20 -4.84 | 26.19 1.74 0.00 | 18.55 1.21 0.00 | 14.24 0.94 0.00 | 9.01 0.60 0.00 |
| CHAFFEE___LFGE 323603 | 11.08 -0.39 -0.07 | 8.14 -0.37 -0.32 | 8.80 -0.51 0.00 | 10.89 -0.63 0.00 | 7.30 -0.43 -0.12 | 5.30 -0.30 -0.25 | 11.60 -0.58 0.00 | 13.03 -0.62 0.00 | 12.06 -0.34 0.00 | 9.06 -0.09 0.00 | 6.99 -0.11 0.00 | 8.57 -0.13 0.00 | 9.92 -0.17 0.00 | 5.63 -0.23 0.00 | 3.28 -0.11 -0.34 | 5.68 -0.25 -0.34 | 13.01 -0.53 -0.04 | 13.60 -0.58 0.00 | 16.38 -0.79 -0.35 | 16.03 -0.56 -0.81 | 19.63 -0.99 3.84 | 13.11 -0.75 3.48 | 11.69 -0.57 1.04 | 8.07 -0.35 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 11.66 0.25 0.00 | 8.17 -0.02 0.00 | 9.31 0.00 0.00 | 11.53 0.01 0.00 | 7.58 -0.02 0.00 | 5.29 -0.06 0.00 | 11.91 -0.27 0.00 | 13.41 -0.25 0.00 | 11.84 -0.47 0.10 | 6.16 -0.34 2.66 | 6.80 -0.30 0.00 | 8.39 -0.31 0.00 | 9.70 -0.38 0.00 | 5.62 -0.25 0.00 | 0.69 -0.12 2.24 | -18.24 -0.26 23.57 | -21.95 -0.65 34.80 | -24.22 -0.63 37.77 | -24.07 -0.73 40.15 | -23.60 -0.74 38.63 | 7.83 -1.01 15.61 | -17.49 -0.64 34.19 | 12.64 -0.36 0.30 | 8.24 -0.17 0.00 |
| CHATEAUG_WT_PWR 323614 | 11.66 0.25 0.00 | 8.17 -0.02 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.58 -0.03 0.00 | 5.29 -0.06 0.00 | 11.88 -0.30 0.00 | 13.37 -0.28 0.00 | 11.79 -0.52 0.09 | 6.29 -0.38 2.48 | 6.78 -0.32 0.00 | 8.36 -0.34 0.00 | 9.67 -0.42 0.00 | 5.61 -0.26 0.00 | 0.83 -0.13 2.09 | -16.66 -0.29 21.96 | -19.64 -0.71 32.43 | -21.74 -0.73 35.19 | -21.45 -0.85 37.41 | -21.06 -0.84 35.99 | 8.77 -1.14 14.54 | -15.25 -0.74 31.86 | 12.60 -0.41 0.28 | 8.21 -0.20 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 11.66 0.25 0.00 | 8.17 -0.02 0.00 | 9.31 0.00 0.00 | 11.53 0.01 0.00 | 7.58 -0.02 0.00 | 5.29 -0.06 0.00 | 11.91 -0.27 0.00 | 13.41 -0.25 0.00 | 11.84 -0.47 0.10 | 6.16 -0.34 2.66 | 6.80 -0.30 0.00 | 8.39 -0.31 0.00 | 9.71 -0.38 0.00 | 5.62 -0.25 0.00 | 0.69 -0.12 2.24 | -18.24 -0.26 23.57 | -21.95 -0.65 34.80 | -24.22 -0.63 37.77 | -24.07 -0.73 40.15 | -23.60 -0.74 38.63 | 7.83 -1.02 15.61 | -17.49 -0.64 34.19 | 12.64 -0.36 0.30 | 8.24 -0.17 0.00 |
| CHAUTAUQUA___LFGE 323629 | 11.08 -0.40 -0.07 | 8.15 -0.36 -0.32 | 8.79 -0.52 0.00 | 10.89 -0.63 0.00 | 7.29 -0.44 -0.12 | 5.30 -0.30 -0.25 | 11.60 -0.58 0.00 | 13.04 -0.61 0.00 | 12.05 -0.36 0.00 | 9.04 -0.11 0.00 | 6.98 -0.12 0.00 | 8.56 -0.14 0.00 | 9.88 -0.21 0.00 | 5.62 -0.24 0.00 | 3.28 -0.12 -0.34 | 5.67 -0.26 -0.34 | 12.99 -0.55 -0.04 | 13.62 -0.55 0.00 | 16.42 -0.75 -0.35 | 16.09 -0.51 -0.82 | 19.63 -0.83 4.00 | 13.05 -0.67 3.62 | 11.72 -0.50 1.08 | 8.11 -0.31 0.00 |
| CHERRYST_13_KV_LD 356241 | 12.58 0.79 -0.39 | 10.68 0.60 -1.89 | 9.93 0.62 0.00 | 12.26 0.74 0.00 | 8.82 0.50 -0.71 | 7.16 0.34 -1.46 | 12.94 0.76 0.00 | 14.47 0.81 0.00 | 13.23 0.83 0.00 | 9.77 0.61 0.00 | 9.57 0.52 -1.95 | 10.27 0.65 -0.92 | 10.84 0.76 0.00 | 11.61 0.49 -5.26 | 5.30 0.25 -2.00 | 9.14 0.45 -3.10 | 14.71 1.00 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.85 1.24 -4.84 | 26.25 1.79 0.00 | 18.59 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 0.00 |
| CHESTROR_138KV_BK263 355645 | 12.27 0.53 -0.33 | 10.20 0.41 -1.60 | 9.73 0.42 0.00 | 12.02 0.50 0.00 | 8.55 0.34 -0.60 | 6.82 0.23 -1.24 | 12.71 0.53 0.00 | 14.22 0.57 0.00 | 12.97 0.57 0.00 | 9.55 0.40 0.00 | 5.38 0.34 2.07 | 8.16 0.43 0.97 | 10.58 0.49 0.00 | 0.63 0.32 5.56 | 4.91 0.17 -1.69 | 10.22 0.30 -4.32 | 14.38 0.70 -0.18 | 14.93 0.76 0.00 | 19.44 0.90 -1.72 | 20.79 0.92 -4.10 | 25.79 1.33 0.00 | 18.25 0.91 0.00 | 13.99 0.69 0.00 | 8.84 0.43 0.00 |
| CH_MIDHUDSON___DRP 24192 | 12.42 0.61 -0.40 | 10.63 0.47 -1.97 | 9.80 0.49 0.00 | 12.10 0.58 0.00 | 8.74 0.39 -0.74 | 7.14 0.27 -1.52 | 12.78 0.61 0.00 | 14.30 0.65 0.00 | 13.04 0.64 0.00 | 9.61 0.46 0.00 | 8.23 0.39 -0.74 | 9.54 0.49 -0.35 | 10.66 0.57 0.00 | 8.22 0.37 -1.99 | 5.32 0.19 -2.08 | 9.04 0.35 -3.10 | 14.51 0.79 -0.22 | 15.04 0.86 0.00 | 19.96 1.03 -2.11 | 21.84 1.04 -5.03 | 25.95 1.50 0.00 | 18.34 1.00 0.00 | 14.07 0.77 0.00 | 8.89 0.48 0.00 |

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| CH_MISC_IPPS 23765 | 12.47 0.67 -0.39 | 10.60 0.51 -1.90 | 9.84 0.53 0.00 | 12.15 0.63 0.00 | 8.75 0.43 -0.71 | 7.12 0.30 -1.47 | 12.84 0.66 0.00 | 14.38 0.72 0.00 | 13.11 0.71 0.00 | 9.66 0.51 0.00 | 7.87 0.43 -0.34 | 9.40 0.54 -0.16 | 10.71 0.62 0.00 | 7.18 0.40 -0.91 | 5.27 0.21 -2.01 | 9.06 0.38 -3.09 | 14.58 0.87 -0.21 | 15.13 0.95 0.00 | 20.00 1.14 -2.04 | 21.77 1.15 -4.85 | 26.12 1.66 0.00 | 18.46 1.12 0.00 | 14.15 0.85 0.00 | 8.94 0.53 0.00 |
| CH_RES_BVR_FALLS 23983 | 11.34 -0.06 0.00 | 8.12 -0.07 0.00 | 9.25 -0.06 0.00 | 11.45 -0.07 0.00 | 7.56 -0.05 0.00 | 5.32 -0.03 0.00 | 12.10 -0.07 0.00 | 13.59 -0.06 0.00 | 12.31 -0.09 0.00 | 9.09 -0.06 0.00 | 7.03 -0.06 0.00 | 8.62 -0.08 0.00 | 10.00 -0.09 0.00 | 5.80 -0.06 0.00 | 3.02 -0.03 0.00 | 5.54 -0.05 0.00 | 13.37 -0.13 0.00 | 14.01 -0.16 0.00 | 16.63 -0.19 0.00 | 15.56 -0.21 0.00 | 24.18 -0.28 0.00 | 17.18 -0.16 0.00 | 13.18 -0.11 0.00 | 8.35 -0.06 0.00 |
| CH_RES_NIAGARA 23895 | 10.73 -0.73 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.20 -0.97 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.77 -0.38 0.00 | 6.77 -0.34 0.00 | 8.30 -0.40 0.00 | 9.62 -0.47 0.00 | 5.45 -0.42 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.08 -1.10 0.00 | 15.69 -1.44 -0.31 | 15.27 -1.24 -0.74 | 18.72 -2.03 3.71 | 12.63 -1.35 3.36 | 11.17 -1.13 1.00 | 7.73 -0.68 0.00 |
| CH_RES_SYRACUSE 23985 | 11.43 -0.01 -0.04 | 8.37 -0.01 -0.19 | 9.27 -0.04 0.00 | 11.47 -0.05 0.00 | 7.64 -0.03 -0.07 | 5.47 -0.02 -0.15 | 12.14 -0.04 0.00 | 13.61 -0.04 0.00 | 12.40 -0.01 0.00 | 9.16 0.01 0.00 | 7.11 0.01 0.00 | 8.72 0.02 0.00 | 10.09 0.01 0.00 | 5.86 0.00 0.00 | 3.25 0.00 -0.20 | 5.82 0.00 -0.23 | 13.55 0.03 -0.02 | 14.24 0.07 0.00 | 17.10 0.09 -0.20 | 16.37 0.11 -0.49 | 24.56 0.11 0.00 | 17.36 0.02 0.00 | 13.31 0.00 0.00 | 8.40 -0.01 0.00 |
| CLINTON_WT_PWR 323605 | 11.66 0.25 0.00 | 8.17 -0.02 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.58 -0.03 0.00 | 5.29 -0.06 0.00 | 11.88 -0.30 0.00 | 13.37 -0.28 0.00 | 11.79 -0.52 0.09 | 6.29 -0.38 2.48 | 6.78 -0.32 0.00 | 8.36 -0.34 0.00 | 9.67 -0.42 0.00 | 5.61 -0.26 0.00 | 0.83 -0.13 2.09 | -16.66 -0.29 21.96 | -19.64 -0.71 32.43 | -21.74 -0.73 35.19 | -21.45 -0.85 37.41 | -21.06 -0.84 35.99 | 8.77 -1.14 14.54 | -15.25 -0.74 31.86 | 12.60 -0.41 0.28 | 8.21 -0.20 0.00 |
| CLINTON__LFGE 323618 | 11.83 0.43 0.00 | 8.29 0.10 0.00 | 9.42 0.11 0.00 | 11.68 0.16 0.00 | 7.69 0.08 0.00 | 5.37 0.02 0.00 | 12.07 -0.10 0.00 | 13.61 -0.04 0.00 | 11.99 -0.32 0.09 | 6.41 -0.22 2.53 | 6.90 -0.20 0.00 | 8.51 -0.19 0.00 | 9.83 -0.25 0.00 | 5.69 -0.17 0.00 | 0.84 -0.08 2.13 | -16.99 -0.20 22.38 | -20.01 -0.46 33.05 | -22.19 -0.49 35.87 | -21.88 -0.57 38.13 | -21.46 -0.55 36.68 | 8.93 -0.70 14.82 | -15.61 -0.49 32.47 | 12.78 -0.22 0.29 | 8.32 -0.09 0.00 |
| COBBLENY_34_KV_TB1 80064 | 11.08 -0.39 -0.07 | 8.14 -0.37 -0.32 | 8.80 -0.51 0.00 | 10.89 -0.63 0.00 | 7.30 -0.43 -0.12 | 5.29 -0.30 -0.25 | 11.58 -0.59 0.00 | 13.03 -0.62 0.00 | 12.06 -0.34 0.00 | 9.06 -0.09 0.00 | 6.99 -0.11 0.00 | 8.57 -0.13 0.00 | 9.92 -0.17 0.00 | 5.63 -0.23 0.00 | 3.28 -0.11 -0.34 | 5.67 -0.25 -0.34 | 13.00 -0.53 -0.04 | 13.59 -0.58 0.00 | 16.38 -0.79 -0.35 | 16.03 -0.55 -0.81 | 19.62 -0.99 3.84 | 13.09 -0.77 3.48 | 11.67 -0.59 1.04 | 8.07 -0.35 0.00 |
| COFFEEN__115KV_TB3 355620 | 11.71 0.28 -0.02 | 8.45 0.15 -0.11 | 9.42 0.11 0.00 | 11.70 0.18 0.00 | 7.68 0.03 -0.04 | 5.40 -0.03 -0.08 | 12.08 -0.10 0.00 | 13.50 -0.15 0.00 | 12.37 -0.03 0.00 | 9.20 -0.06 -0.11 | 7.03 -0.07 0.00 | 8.52 -0.18 0.00 | 9.77 -0.32 0.00 | 5.65 -0.21 0.00 | 3.17 -0.09 -0.20 | 6.49 -0.17 -1.08 | 14.56 -0.36 -1.41 | 15.66 -0.03 -1.52 | 18.66 0.12 -1.73 | 17.58 -0.02 -1.82 | 25.00 -0.08 -0.63 | 18.67 -0.04 -1.37 | 13.29 -0.03 -0.01 | 8.33 -0.08 0.00 |
| COLDSPRG_115KV_BK1 355956 | 11.33 -0.14 -0.07 | 8.38 -0.15 -0.33 | 9.03 -0.28 0.00 | 11.19 -0.32 0.00 | 7.50 -0.23 -0.13 | 5.45 -0.16 -0.26 | 11.93 -0.25 0.00 | 13.43 -0.23 0.00 | 12.41 0.01 0.00 | 9.31 0.16 0.00 | 7.19 0.09 0.00 | 8.82 0.11 0.00 | 10.17 0.08 0.00 | 5.79 -0.07 0.00 | 3.38 -0.03 -0.35 | 5.86 -0.11 -0.38 | 13.40 -0.14 -0.04 | 14.04 -0.13 0.00 | 16.96 -0.22 -0.36 | 16.61 -0.03 -0.86 | 22.02 -0.05 2.39 | 15.05 -0.13 2.16 | 12.57 -0.09 0.65 | 8.37 -0.04 0.00 |
| COLONIE_LFGE__ 323577 | 12.26 0.35 -0.50 | 10.92 0.27 -2.46 | 9.59 0.28 0.00 | 11.86 0.35 0.00 | 8.77 0.24 -0.92 | 7.42 0.17 -1.90 | 12.53 0.36 0.00 | 14.05 0.39 0.00 | 12.76 0.36 0.00 | 9.39 0.24 0.00 | 8.06 0.21 -0.75 | 9.31 0.25 -0.35 | 10.37 0.28 0.00 | 8.07 0.18 -2.02 | 5.75 0.10 -2.60 | 9.15 0.18 -3.38 | 14.21 0.44 -0.27 | 14.68 0.50 0.00 | 20.08 0.62 -2.64 | 22.64 0.57 -6.30 | 25.29 0.84 0.00 | 17.83 0.49 0.00 | 13.68 0.38 0.00 | 8.64 0.23 0.00 |
| COOPERNY_115KV_TB1 80082 | 12.06 0.41 -0.25 | 9.71 0.32 -1.21 | 9.64 0.33 0.00 | 11.91 0.39 0.00 | 8.33 0.27 -0.45 | 6.47 0.18 -0.93 | 12.59 0.42 0.00 | 14.11 0.45 0.00 | 12.85 0.44 0.00 | 9.47 0.32 0.00 | 6.35 0.27 1.02 | 8.56 0.34 0.48 | 10.48 0.40 0.00 | 3.37 0.25 2.74 | 4.46 0.13 -1.27 | 6.86 0.24 -1.03 | 14.18 0.55 -0.13 | 14.77 0.60 0.00 | 18.81 0.70 -1.30 | 19.58 0.72 -3.09 | 25.50 1.04 0.00 | 18.05 0.71 0.00 | 13.84 0.54 0.00 | 8.75 0.33 0.00 |
| COPENHAGEN_WT_PWR 323753 | 11.57 0.14 -0.02 | 8.35 0.06 -0.11 | 9.32 0.00 0.00 | 11.56 0.04 0.00 | 7.58 -0.07 -0.04 | 5.31 -0.12 -0.08 | 11.85 -0.33 0.00 | 13.23 -0.42 0.00 | 12.13 -0.27 0.00 | 9.02 -0.24 -0.10 | 6.90 -0.20 0.00 | 8.37 -0.34 0.00 | 9.63 -0.46 0.00 | 5.57 -0.30 0.00 | 3.12 -0.14 -0.20 | 6.35 -0.27 -1.04 | 14.24 -0.60 -1.34 | 15.33 -0.29 -1.44 | 18.25 -0.22 -1.65 | 17.16 -0.36 -1.76 | 24.46 -0.60 -0.60 | 18.25 -0.39 -1.31 | 13.05 -0.26 -0.01 | 8.19 -0.22 0.00 |
| CORNELL____ 23752 | 11.62 0.13 -0.08 | 8.70 0.09 -0.42 | 9.40 0.09 0.00 | 11.62 0.10 0.00 | 7.83 0.07 -0.16 | 5.72 0.05 -0.32 | 12.31 0.13 0.00 | 13.81 0.16 0.00 | 12.57 0.17 0.00 | 9.27 0.12 0.00 | 7.19 0.09 0.00 | 8.80 0.10 0.00 | 10.19 0.10 0.00 | 5.92 0.06 0.00 | 3.52 0.03 -0.44 | 6.16 0.05 -0.53 | 13.72 0.18 -0.05 | 14.41 0.24 0.00 | 17.60 0.33 -0.45 | 17.23 0.39 -1.07 | 26.27 0.55 -1.27 | 18.80 0.31 -1.15 | 13.87 0.23 -0.34 | 8.53 0.12 0.00 |
| CORONAAV_69_KV_TB1 355595 | 12.60 0.80 -0.39 | 10.71 0.63 -1.89 | 9.96 0.64 0.00 | 12.28 0.76 0.00 | 8.84 0.52 -0.71 | 7.16 0.35 -1.46 | 12.94 0.76 0.00 | 14.45 0.80 0.00 | 13.22 0.81 0.00 | 9.72 0.57 0.00 | 9.58 0.53 -1.95 | 10.24 0.62 -0.91 | 10.83 0.75 0.00 | 11.62 0.51 -5.25 | 5.33 0.28 -2.00 | 9.17 0.48 -3.10 | 14.76 1.05 -0.21 | 15.27 1.10 0.00 | 20.13 1.28 -2.03 | 21.85 1.24 -4.84 | 26.25 1.79 0.00 | 18.68 1.34 0.00 | 14.37 1.07 0.00 | 9.09 0.68 0.00 |
| CORTLAND_115KV_TB3 80093 | 11.54 0.06 -0.07 | 8.57 0.05 -0.34 | 9.35 0.03 0.00 | 11.56 0.04 0.00 | 7.76 0.03 -0.13 | 5.63 0.02 -0.26 | 12.23 0.06 0.00 | 13.73 0.07 0.00 | 12.49 0.09 0.00 | 9.22 0.07 0.00 | 7.15 0.05 0.00 | 8.77 0.06 0.00 | 10.15 0.06 0.00 | 5.89 0.03 0.00 | 3.42 0.02 -0.35 | 6.03 0.03 -0.41 | 13.64 0.11 -0.04 | 14.33 0.15 0.00 | 17.37 0.19 -0.36 | 16.89 0.26 -0.86 | 24.79 0.33 0.00 | 17.50 0.16 0.00 | 13.42 0.12 0.00 | 8.47 0.06 0.00 |

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|--------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| COXSACKIE___GT 23611 | 12.49 0.61 -0.47 | 10.92 0.44 -2.29 | 9.79 0.48 0.00 | 12.12 0.60 0.00 | 8.88 0.41 -0.86 | 7.42 0.30 -1.77 | 12.86 0.68 0.00 | 14.38 0.73 0.00 | 13.08 0.68 0.00 | 9.54 0.39 0.00 | 7.93 0.25 -0.59 | 9.30 0.33 -0.28 | 10.44 0.35 0.00 | 7.68 0.23 -1.58 | 5.61 0.14 -2.42 | 9.06 0.27 -3.21 | 14.45 0.69 -0.26 | 15.02 0.84 0.00 | 20.43 1.16 -2.46 | 22.72 1.09 -5.86 | 26.06 1.60 0.00 | 18.33 0.99 0.00 | 14.02 0.72 0.00 | 8.84 0.42 0.00 |
| CPV_VALLEY___CC1 323721 | 12.19 0.49 -0.29 | 9.99 0.38 -1.43 | 9.70 0.38 0.00 | 11.98 0.46 0.00 | 8.46 0.31 -0.53 | 6.67 0.22 -1.10 | 12.66 0.48 0.00 | 14.17 0.52 0.00 | 12.93 0.52 0.00 | 9.52 0.37 0.00 | 5.75 0.32 1.67 | 8.32 0.40 0.78 | 10.55 0.46 0.00 | 1.66 0.30 4.50 | 4.71 0.15 -1.51 | 7.16 0.28 -1.29 | 14.30 0.64 -0.16 | 14.88 0.70 0.00 | 19.17 0.82 -1.53 | 20.26 0.84 -3.64 | 25.68 1.22 0.00 | 18.17 0.83 0.00 | 13.93 0.63 0.00 | 8.80 0.39 0.00 |
| CPV_VALLEY___CC2 323722 | 12.19 0.49 -0.29 | 9.99 0.38 -1.43 | 9.70 0.38 0.00 | 11.98 0.46 0.00 | 8.46 0.31 -0.53 | 6.67 0.22 -1.10 | 12.66 0.48 0.00 | 14.17 0.52 0.00 | 12.93 0.52 0.00 | 9.52 0.37 0.00 | 5.75 0.32 1.67 | 8.32 0.40 0.78 | 10.55 0.46 0.00 | 1.66 0.30 4.50 | 4.71 0.15 -1.51 | 7.16 0.28 -1.29 | 14.30 0.64 -0.16 | 14.88 0.70 0.00 | 19.17 0.82 -1.53 | 20.26 0.84 -3.64 | 25.68 1.22 0.00 | 18.17 0.83 0.00 | 13.93 0.63 0.00 | 8.80 0.39 0.00 |
| CRESCENT___HYD 24018 | 12.26 0.35 -0.50 | 10.92 0.27 -2.46 | 9.59 0.28 0.00 | 11.86 0.35 0.00 | 8.77 0.24 -0.92 | 7.42 0.17 -1.90 | 12.53 0.36 0.00 | 14.05 0.39 0.00 | 12.76 0.36 0.00 | 9.39 0.24 0.00 | 8.06 0.21 -0.75 | 9.31 0.25 -0.35 | 10.37 0.28 0.00 | 8.07 0.18 -2.02 | 5.75 0.10 -2.60 | 9.15 0.18 -3.38 | 14.21 0.44 -0.27 | 14.68 0.50 0.00 | 20.08 0.62 -2.64 | 22.64 0.57 -6.30 | 25.29 0.84 0.00 | 17.83 0.49 0.00 | 13.68 0.38 0.00 | 8.64 0.23 0.00 |
| CRICKET___VALLEY_CC1 323756 | 12.33 0.49 -0.42 | 10.64 0.39 -2.07 | 9.70 0.39 0.00 | 11.98 0.46 0.00 | 8.70 0.32 -0.78 | 7.17 0.22 -1.60 | 12.64 0.46 0.00 | 14.14 0.48 0.00 | 12.90 0.50 0.00 | 9.50 0.35 0.00 | 8.76 0.31 -1.35 | 9.72 0.38 -0.63 | 10.53 0.44 0.00 | 9.79 0.30 -3.63 | 5.39 0.15 -2.18 | 9.02 0.29 -3.14 | 14.35 0.62 -0.23 | 14.86 0.68 0.00 | 19.87 0.83 -2.22 | 21.89 0.83 -5.28 | 25.63 1.17 0.00 | 18.09 0.75 0.00 | 13.88 0.57 0.00 | 8.78 0.37 0.00 |
| CRICKET___VALLEY_CC2 323757 | 12.33 0.49 -0.42 | 10.64 0.39 -2.07 | 9.70 0.39 0.00 | 11.98 0.46 0.00 | 8.70 0.32 -0.78 | 7.17 0.22 -1.60 | 12.64 0.46 0.00 | 14.14 0.48 0.00 | 12.90 0.50 0.00 | 9.50 0.35 0.00 | 8.76 0.31 -1.35 | 9.72 0.38 -0.63 | 10.53 0.44 0.00 | 9.79 0.30 -3.63 | 5.39 0.15 -2.18 | 9.02 0.29 -3.14 | 14.35 0.62 -0.23 | 14.86 0.68 0.00 | 19.87 0.83 -2.22 | 21.89 0.83 -5.28 | 25.63 1.17 0.00 | 18.09 0.75 0.00 | 13.88 0.57 0.00 | 8.78 0.37 0.00 |
| CRICKET___VALLEY_CC3 323758 | 12.33 0.49 -0.42 | 10.64 0.39 -2.07 | 9.70 0.39 0.00 | 11.98 0.46 0.00 | 8.70 0.32 -0.78 | 7.17 0.22 -1.60 | 12.64 0.46 0.00 | 14.14 0.48 0.00 | 12.90 0.50 0.00 | 9.50 0.35 0.00 | 8.76 0.31 -1.35 | 9.72 0.38 -0.63 | 10.53 0.44 0.00 | 9.79 0.30 -3.63 | 5.39 0.15 -2.18 | 9.02 0.29 -3.14 | 14.35 0.62 -0.23 | 14.86 0.68 0.00 | 19.87 0.83 -2.22 | 21.89 0.83 -5.28 | 25.63 1.17 0.00 | 18.09 0.75 0.00 | 13.88 0.57 0.00 | 8.78 0.37 0.00 |
| CRUCIBLE_METL_DRP 24180 | 11.43 -0.01 -0.04 | 8.37 -0.01 -0.19 | 9.27 -0.04 0.00 | 11.47 -0.05 0.00 | 7.64 -0.03 -0.07 | 5.47 -0.02 -0.15 | 12.13 -0.05 0.00 | 13.61 -0.04 0.00 | 12.40 -0.01 0.00 | 9.16 0.01 0.00 | 7.11 0.01 0.00 | 8.72 0.02 0.00 | 10.09 0.01 0.00 | 5.86 0.00 0.00 | 3.25 0.00 -0.20 | 5.82 0.00 -0.23 | 13.55 0.03 -0.02 | 14.24 0.07 0.00 | 17.10 0.09 -0.20 | 16.37 0.11 -0.49 | 24.56 0.11 0.00 | 17.36 0.02 0.00 | 13.31 0.00 0.00 | 8.40 -0.01 0.00 |
| DAHOWA___HYDRO 323763 | 12.45 0.53 -0.51 | 11.08 0.41 -2.49 | 9.73 0.42 0.00 | 12.02 0.50 0.00 | 8.89 0.34 -0.93 | 7.52 0.25 -1.92 | 12.71 0.53 0.00 | 14.31 0.66 0.00 | 13.02 0.62 0.00 | 9.59 0.44 0.00 | 8.19 0.36 -0.73 | 9.47 0.43 -0.34 | 10.55 0.46 0.00 | 8.10 0.28 -1.96 | 5.83 0.15 -2.63 | 9.27 0.28 -3.40 | 14.49 0.71 -0.28 | 15.00 0.82 0.00 | 20.48 0.99 -2.67 | 23.05 0.91 -6.36 | 25.78 1.32 0.00 | 18.15 0.80 0.00 | 13.90 0.60 0.00 | 8.76 0.35 0.00 |
| DANC___LFGE 323619 | 11.51 0.07 -0.03 | 8.34 0.02 -0.13 | 9.28 -0.03 0.00 | 11.51 -0.01 0.00 | 7.58 -0.07 -0.05 | 5.35 -0.10 -0.10 | 11.93 -0.25 0.00 | 13.35 -0.31 0.00 | 12.21 -0.19 0.00 | 9.06 -0.16 -0.07 | 6.97 -0.13 0.00 | 8.49 -0.21 0.00 | 9.79 -0.30 0.00 | 5.66 -0.20 0.00 | 3.16 -0.09 -0.20 | 6.21 -0.18 -0.80 | 14.07 -0.39 -0.96 | 15.02 -0.18 -1.03 | 17.92 -0.12 -1.23 | 16.96 -0.20 -1.38 | 24.54 -0.34 -0.42 | 18.03 -0.24 -0.93 | 13.14 -0.17 -0.01 | 8.26 -0.15 0.00 |
| DANSKAMMER___1 23586 | 12.47 0.67 -0.39 | 10.60 0.51 -1.90 | 9.84 0.53 0.00 | 12.15 0.63 0.00 | 8.75 0.43 -0.71 | 7.12 0.30 -1.47 | 12.84 0.66 0.00 | 14.38 0.72 0.00 | 13.11 0.71 0.00 | 9.66 0.51 0.00 | 7.87 0.43 -0.34 | 9.40 0.54 -0.16 | 10.71 0.62 0.00 | 7.18 0.40 -0.91 | 5.27 0.21 -2.01 | 9.06 0.38 -3.09 | 14.58 0.87 -0.21 | 15.13 0.95 0.00 | 20.00 1.14 -2.04 | 21.77 1.15 -4.85 | 26.12 1.66 0.00 | 18.46 1.12 0.00 | 14.15 0.85 0.00 | 8.94 0.53 0.00 |
| DANSKAMMER___2 23589 | 12.47 0.67 -0.39 | 10.60 0.51 -1.90 | 9.84 0.53 0.00 | 12.15 0.63 0.00 | 8.75 0.43 -0.71 | 7.12 0.30 -1.47 | 12.84 0.66 0.00 | 14.38 0.72 0.00 | 13.11 0.71 0.00 | 9.66 0.51 0.00 | 7.87 0.43 -0.34 | 9.40 0.54 -0.16 | 10.71 0.62 0.00 | 7.18 0.40 -0.91 | 5.27 0.21 -2.01 | 9.06 0.38 -3.09 | 14.58 0.87 -0.21 | 15.13 0.95 0.00 | 20.00 1.14 -2.04 | 21.77 1.15 -4.85 | 26.12 1.66 0.00 | 18.46 1.12 0.00 | 14.15 0.85 0.00 | 8.94 0.53 0.00 |
| DANSKAMMER___3 23590 | 12.47 0.67 -0.39 | 10.60 0.51 -1.90 | 9.84 0.53 0.00 | 12.15 0.63 0.00 | 8.75 0.43 -0.71 | 7.12 0.30 -1.47 | 12.84 0.66 0.00 | 14.38 0.72 0.00 | 13.11 0.71 0.00 | 9.66 0.51 0.00 | 7.87 0.43 -0.34 | 9.40 0.54 -0.16 | 10.71 0.62 0.00 | 7.18 0.40 -0.91 | 5.27 0.21 -2.01 | 9.06 0.38 -3.09 | 14.58 0.87 -0.21 | 15.13 0.95 0.00 | 20.00 1.14 -2.04 | 21.77 1.15 -4.85 | 26.12 1.66 0.00 | 18.46 1.12 0.00 | 14.15 0.85 0.00 | 8.94 0.53 0.00 |
| DANSKAMMER___4 23591 | 12.47 0.67 -0.39 | 10.60 0.51 -1.90 | 9.84 0.53 0.00 | 12.15 0.63 0.00 | 8.75 0.43 -0.71 | 7.12 0.30 -1.47 | 12.84 0.66 0.00 | 14.38 0.72 0.00 | 13.11 0.71 0.00 | 9.66 0.51 0.00 | 7.87 0.43 -0.34 | 9.40 0.54 -0.16 | 10.71 0.62 0.00 | 7.18 0.40 -0.91 | 5.27 0.21 -2.01 | 9.06 0.38 -3.09 | 14.58 0.87 -0.21 | 15.13 0.95 0.00 | 20.00 1.14 -2.04 | 21.77 1.15 -4.85 | 26.12 1.66 0.00 | 18.46 1.12 0.00 | 14.15 0.85 0.00 | 8.94 0.53 0.00 |
| DANSKAMMER___DIESEL 23592 | 12.47 0.67 -0.39 | 10.60 0.51 -1.90 | 9.84 0.53 0.00 | 12.15 0.63 0.00 | 8.75 0.43 -0.71 | 7.12 0.30 -1.47 | 12.84 0.67 0.00 | 14.38 0.73 0.00 | 13.11 0.71 0.00 | 9.66 0.51 0.00 | 7.87 0.43 -0.34 | 9.40 0.54 -0.16 | 10.71 0.62 0.00 | 7.18 0.40 -0.91 | 5.27 0.21 -2.01 | 9.06 0.38 -3.09 | 14.58 0.87 -0.21 | 15.13 0.95 0.00 | 20.00 1.14 -2.04 | 21.77 1.15 -4.85 | 26.12 1.66 0.00 | 18.46 1.12 0.00 | 14.15 0.85 0.00 | 8.94 0.53 0.00 |

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|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|
| DARBY___SOLAR 323810 | 12.42 0.50 -0.51 | 11.06 0.39 -2.49 | 9.72 0.40 0.00 | 12.00 0.48 0.00 | 8.87 0.33 -0.93 | 7.50 0.24 -1.92 | 12.68 0.51 0.00 | 14.27 0.62 0.00 | 12.98 0.58 0.00 | 9.56 0.41 0.00 | 8.17 0.34 -0.73 | 9.45 0.40 -0.34 | 10.52 0.44 0.00 | 8.10 0.26 -1.97 | 5.82 0.14 -2.63 | 9.25 0.27 -3.39 | 14.45 0.67 -0.28 | 14.94 0.77 0.00 | 20.42 0.93 -2.67 | 22.99 0.86 -6.35 | 25.70 1.25 0.00 | 18.10 0.76 0.00 | 13.88 0.57 0.00 | 8.75 0.34 0.00 |
| DASHVILLE___HYD 23610 | 12.36 0.55 -0.41 | 10.61 0.43 -1.99 | 9.75 0.44 0.00 | 12.05 0.53 0.00 | 8.72 0.36 -0.75 | 7.14 0.25 -1.54 | 12.74 0.55 0.00 | 14.26 0.60 0.00 | 12.98 0.58 0.00 | 9.56 0.41 0.00 | 7.74 0.36 -0.28 | 9.29 0.45 -0.13 | 10.61 0.52 0.00 | 6.96 0.34 -0.75 | 5.33 0.18 -2.10 | 8.85 0.32 -2.93 | 14.43 0.71 -0.22 | 14.95 0.78 0.00 | 19.88 0.93 -2.14 | 21.81 0.95 -5.08 | 25.83 1.37 0.00 | 18.26 0.92 0.00 | 14.00 0.70 0.00 | 8.85 0.44 0.00 |
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 13.00 1.21 -0.39 | 10.96 0.88 -1.89 | 10.23 0.91 0.00 | 12.59 1.08 0.00 | 9.05 0.73 -0.71 | 7.30 0.49 -1.46 | 13.29 1.12 0.00 | 14.85 1.19 0.00 | 13.57 1.17 0.00 | 9.97 0.82 0.00 | 9.74 0.69 -1.95 | 10.41 0.79 -0.91 | 10.99 0.90 0.00 | 11.75 0.65 -5.25 | 5.43 0.38 -2.00 | 9.36 0.67 -3.10 | 15.21 1.50 -0.21 | 15.80 1.62 0.00 | 20.84 1.99 -2.03 | 22.49 1.88 -4.84 | 27.18 2.72 0.00 | 19.30 1.96 0.00 | 14.81 1.51 0.00 | 9.38 0.97 0.00 |
| DELAWARE___LFGE 323621 | 11.90 0.31 -0.18 | 9.32 0.24 -0.90 | 9.56 0.25 0.00 | 11.84 0.32 0.00 | 8.16 0.22 -0.34 | 6.19 0.15 -0.69 | 12.53 0.35 0.00 | 14.04 0.39 0.00 | 12.75 0.35 0.00 | 9.41 0.26 0.00 | 7.16 0.22 0.15 | 8.90 0.27 0.07 | 10.39 0.30 0.00 | 5.63 0.18 0.41 | 4.10 0.10 -0.95 | 6.86 0.17 -1.10 | 14.02 0.42 -0.10 | 14.64 0.46 0.00 | 18.33 0.55 -0.97 | 18.63 0.57 -2.29 | 25.29 0.83 0.00 | 17.87 0.53 0.00 | 13.70 0.40 0.00 | 8.65 0.24 0.00 |
| DERFIELD_115KV_TB7 355931 | 11.43 0.02 0.00 | 8.21 0.03 0.00 | 9.33 0.02 0.00 | 11.54 0.02 0.00 | 7.62 0.01 0.00 | 5.36 0.00 0.00 | 12.18 0.00 0.00 | 13.65 0.00 0.00 | 12.41 0.01 0.00 | 9.14 -0.01 0.00 | 7.10 -0.01 0.00 | 8.70 -0.01 0.00 | 10.08 -0.01 0.00 | 5.85 -0.01 0.00 | 3.05 0.00 0.00 | 5.58 -0.01 0.00 | 13.48 -0.02 0.00 | 14.18 0.00 0.00 | 16.83 0.01 0.00 | 15.79 0.02 0.00 | 24.46 0.01 0.00 | 17.34 0.00 0.00 | 13.29 0.00 0.00 | 8.40 -0.01 0.00 |
| DOGLEVILLE___HYD 23807 | 11.60 0.19 0.00 | 8.31 0.12 0.00 | 9.42 0.11 0.00 | 11.66 0.14 0.00 | 7.72 0.10 0.00 | 5.43 0.08 0.00 | 12.36 0.18 0.00 | 13.83 0.18 0.00 | 12.51 0.10 0.00 | 9.24 0.09 0.00 | 7.19 0.08 0.00 | 8.76 0.05 0.00 | 10.13 0.04 0.00 | 5.88 0.02 0.00 | 3.04 -0.02 0.00 | 5.59 0.00 0.00 | 13.51 0.01 0.00 | 14.41 0.23 0.00 | 17.23 0.41 0.00 | 16.17 0.40 0.00 | 24.88 0.42 0.00 | 17.49 0.15 0.00 | 13.43 0.13 0.00 | 8.47 0.06 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 11.08 -0.39 -0.07 | 8.15 -0.35 -0.32 | 8.80 -0.51 0.00 | 10.90 -0.62 0.00 | 7.31 -0.42 -0.12 | 5.31 -0.29 -0.25 | 11.60 -0.58 0.00 | 13.05 -0.60 0.00 | 12.06 -0.34 0.00 | 9.05 -0.10 0.00 | 6.99 -0.11 0.00 | 8.57 -0.13 0.00 | 9.90 -0.19 0.00 | 5.63 -0.23 0.00 | 3.28 -0.11 -0.34 | 5.68 -0.25 -0.34 | 13.01 -0.52 -0.04 | 13.63 -0.54 0.00 | 16.42 -0.74 -0.35 | 16.11 -0.49 -0.82 | 19.57 -0.83 4.06 | 12.99 -0.68 3.68 | 11.69 -0.51 1.10 | 8.11 -0.31 0.00 |
| DUNKIRK___1 23563 | 11.08 -0.39 -0.07 | 8.15 -0.35 -0.32 | 8.80 -0.51 0.00 | 10.90 -0.62 0.00 | 7.31 -0.42 -0.12 | 5.31 -0.29 -0.25 | 11.60 -0.58 0.00 | 13.05 -0.60 0.00 | 12.06 -0.34 0.00 | 9.05 -0.10 0.00 | 6.99 -0.11 0.00 | 8.57 -0.13 0.00 | 9.90 -0.19 0.00 | 5.63 -0.23 0.00 | 3.28 -0.11 -0.34 | 5.68 -0.25 -0.34 | 13.01 -0.52 -0.04 | 13.63 -0.54 0.00 | 16.42 -0.74 -0.35 | 16.11 -0.49 -0.82 | 19.57 -0.83 4.06 | 12.99 -0.68 3.68 | 11.69 -0.51 1.10 | 8.11 -0.31 0.00 |
| DUNKIRK___2 23564 | 11.08 -0.39 -0.07 | 8.15 -0.35 -0.32 | 8.80 -0.51 0.00 | 10.90 -0.62 0.00 | 7.31 -0.42 -0.12 | 5.31 -0.29 -0.25 | 11.60 -0.58 0.00 | 13.05 -0.60 0.00 | 12.06 -0.34 0.00 | 9.05 -0.10 0.00 | 6.99 -0.11 0.00 | 8.57 -0.13 0.00 | 9.90 -0.19 0.00 | 5.63 -0.23 0.00 | 3.28 -0.11 -0.34 | 5.68 -0.25 -0.34 | 13.01 -0.52 -0.04 | 13.63 -0.54 0.00 | 16.42 -0.74 -0.35 | 16.11 -0.49 -0.82 | 19.57 -0.83 4.06 | 12.99 -0.68 3.68 | 11.69 -0.51 1.10 | 8.11 -0.31 0.00 |
| DUNKIRK___3 23565 | 11.10 -0.38 -0.07 | 8.18 -0.34 -0.32 | 8.84 -0.47 0.00 | 10.94 -0.58 0.00 | 7.33 -0.39 -0.12 | 5.32 -0.27 -0.25 | 11.64 -0.54 0.00 | 13.09 -0.56 0.00 | 12.08 -0.32 0.00 | 9.06 -0.09 0.00 | 7.00 -0.11 0.00 | 8.58 -0.12 0.00 | 9.92 -0.17 0.00 | 5.64 -0.22 0.00 | 3.29 -0.10 -0.34 | 5.69 -0.24 -0.34 | 13.05 -0.48 -0.04 | 13.67 -0.51 0.00 | 16.45 -0.72 -0.35 | 16.13 -0.46 -0.82 | 19.38 -0.81 4.27 | 12.80 -0.67 3.87 | 11.65 -0.50 1.16 | 8.12 -0.29 0.00 |
| DUNKIRK___4 23566 | 11.07 -0.40 -0.06 | 8.14 -0.36 -0.31 | 8.80 -0.52 0.00 | 10.89 -0.63 0.00 | 7.30 -0.43 -0.12 | 5.30 -0.30 -0.24 | 11.59 -0.59 0.00 | 13.04 -0.61 0.00 | 12.05 -0.35 0.00 | 9.04 -0.11 0.00 | 6.98 -0.12 0.00 | 8.56 -0.14 0.00 | 9.89 -0.20 0.00 | 5.62 -0.24 0.00 | 3.27 -0.11 -0.33 | 5.66 -0.26 -0.33 | 12.99 -0.54 -0.04 | 13.61 -0.57 0.00 | 16.39 -0.77 -0.34 | 16.05 -0.53 -0.80 | 18.98 -0.91 4.57 | 12.48 -0.72 4.14 | 11.52 -0.55 1.24 | 8.09 -0.32 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 12.49 0.69 -0.39 | 10.61 0.53 -1.89 | 9.86 0.55 0.00 | 12.16 0.65 0.00 | 8.76 0.44 -0.71 | 7.11 0.30 -1.46 | 12.85 0.67 0.00 | 14.37 0.71 0.00 | 13.13 0.72 0.00 | 9.67 0.52 0.00 | 9.50 0.45 -1.95 | 10.18 0.56 -0.92 | 10.74 0.66 0.00 | 11.55 0.43 -5.26 | 5.27 0.22 -2.00 | 9.09 0.40 -3.10 | 14.60 0.89 -0.21 | 15.12 0.94 0.00 | 19.94 1.10 -2.03 | 21.74 1.13 -4.83 | 26.09 1.63 0.00 | 18.47 1.13 0.00 | 14.18 0.88 0.00 | 8.96 0.55 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 12.36 0.59 -0.36 | 10.41 0.45 -1.76 | 9.78 0.47 0.00 | 12.08 0.56 0.00 | 8.65 0.38 -0.66 | 6.97 0.26 -1.36 | 12.77 0.59 0.00 | 14.30 0.64 0.00 | 13.03 0.63 0.00 | 9.60 0.45 0.00 | 6.86 0.38 0.63 | 8.89 0.48 0.29 | 10.64 0.55 0.00 | 4.54 0.36 1.68 | 5.10 0.18 -1.86 | 9.00 0.34 -3.07 | 14.46 0.77 -0.20 | 15.02 0.84 0.00 | 19.72 1.01 -1.89 | 21.30 1.02 -4.51 | 25.94 1.49 0.00 | 18.36 1.02 0.00 | 14.07 0.76 0.00 | 8.89 0.47 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 12.56 0.76 -0.39 | 10.65 0.58 -1.89 | 9.91 0.59 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.91 0.73 0.00 | 14.43 0.78 0.00 | 13.20 0.80 0.00 | 9.72 0.57 0.00 | 9.53 0.48 -1.95 | 10.21 0.59 -0.92 | 10.78 0.69 0.00 | 11.59 0.46 -5.26 | 5.28 0.23 -2.00 | 9.12 0.42 -3.10 | 14.63 0.92 -0.21 | 15.19 1.01 0.00 | 19.98 1.13 -2.03 | 21.75 1.14 -4.83 | 26.08 1.62 0.00 | 18.48 1.14 0.00 | 14.19 0.89 0.00 | 8.97 0.56 0.00 |
| E179THST_13_KV_LOAD 356214 | 12.60 0.81 -0.39 | 10.69 0.61 -1.89 | 9.94 0.63 0.00 | 12.27 0.75 0.00 | 8.83 0.51 -0.71 | 7.16 0.35 -1.46 | 12.95 0.77 0.00 | 14.48 0.83 0.00 | 13.25 0.85 0.00 | 9.76 0.61 0.00 | 9.57 0.51 -1.95 | 10.25 0.63 -0.92 | 10.82 0.73 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.14 0.45 -3.10 | 14.69 0.98 -0.21 | 15.25 1.08 0.00 | 20.05 1.21 -2.03 | 21.82 1.22 -4.83 | 26.18 1.73 0.00 | 18.55 1.21 0.00 | 14.25 0.95 0.00 | 9.01 0.60 0.00 |

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|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-----------------------|
| EAST HAMPTON___GT 23717 | 13.12 1.33 -0.39 | 11.04 0.96 -1.89 | 10.31 1.00 0.00 | 12.71 1.19 0.00 | 9.12 0.80 -0.71 | 7.35 0.54 -1.46 | 13.42 1.24 0.00 | 14.99 1.34 0.00 | 13.71 1.31 0.00 | 10.08 0.93 0.00 | 9.82 0.78 -1.95 | 10.51 0.90 -0.91 | 11.11 1.02 0.00 | 11.82 0.71 -5.25 | 5.46 0.41 -2.00 | 9.43 0.74 -3.10 | 15.38 1.67 -0.21 | 15.99 1.81 0.00 | 21.06 2.22 -2.03 | 22.70 2.09 -4.84 | 27.49 3.04 0.00 | 19.51 2.16 0.00 | 14.94 1.64 0.00 | 9.46 1.05 0.00 |
| EAST RIVER___6 23660 | 12.57 0.78 -0.39 | 10.68 0.60 -1.89 | 9.93 0.62 0.00 | 12.25 0.73 0.00 | 8.82 0.50 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.22 0.82 0.00 | 9.76 0.61 0.00 | 9.57 0.52 -1.95 | 10.27 0.65 -0.92 | 10.85 0.76 0.00 | 11.62 0.50 -5.26 | 5.30 0.25 -2.00 | 9.14 0.45 -3.10 | 14.71 0.99 -0.21 | 15.22 1.04 0.00 | 20.05 1.20 -2.03 | 21.84 1.23 -4.84 | 26.22 1.77 0.00 | 18.57 1.23 0.00 | 14.26 0.96 0.00 | 9.02 0.61 0.00 |
| EAST RIVER___7 23524 | 12.57 0.78 -0.39 | 10.68 0.60 -1.89 | 9.93 0.62 0.00 | 12.25 0.73 0.00 | 8.82 0.50 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.22 0.82 0.00 | 9.76 0.61 0.00 | 9.57 0.52 -1.95 | 10.27 0.65 -0.92 | 10.85 0.76 0.00 | 11.62 0.50 -5.26 | 5.30 0.25 -2.00 | 9.14 0.45 -3.10 | 14.71 0.99 -0.21 | 15.22 1.04 0.00 | 20.05 1.20 -2.03 | 21.84 1.23 -4.84 | 26.22 1.77 0.00 | 18.57 1.23 0.00 | 14.26 0.96 0.00 | 9.02 0.61 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 12.45 0.66 -0.38 | 10.57 0.51 -1.88 | 9.83 0.52 0.00 | 12.14 0.62 0.00 | 8.73 0.42 -0.70 | 7.09 0.29 -1.45 | 12.82 0.64 0.00 | 14.34 0.69 0.00 | 13.10 0.70 0.00 | 9.66 0.50 0.00 | 9.54 0.43 -2.01 | 10.18 0.54 -0.94 | 10.72 0.63 0.00 | 11.68 0.41 -5.40 | 5.25 0.21 -1.98 | 9.07 0.38 -3.10 | 14.56 0.85 -0.21 | 15.09 0.92 0.00 | 19.91 1.07 -2.02 | 21.67 1.09 -4.80 | 26.03 1.57 0.00 | 18.43 1.09 0.00 | 14.14 0.84 0.00 | 8.94 0.53 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 13.12 1.33 -0.39 | 11.04 0.96 -1.89 | 10.31 1.00 0.00 | 12.71 1.19 0.00 | 9.12 0.80 -0.71 | 7.35 0.54 -1.46 | 13.42 1.24 0.00 | 14.99 1.34 0.00 | 13.71 1.31 0.00 | 10.08 0.93 0.00 | 9.82 0.78 -1.95 | 10.51 0.90 -0.91 | 11.11 1.02 0.00 | 11.82 0.71 -5.25 | 5.46 0.41 -2.00 | 9.43 0.74 -3.10 | 15.38 1.67 -0.21 | 15.99 1.81 0.00 | 21.07 2.22 -2.03 | 22.70 2.09 -4.84 | 27.50 3.04 0.00 | 19.51 2.16 0.00 | 14.95 1.65 0.00 | 9.46 1.05 0.00 |
| EAST_PULASKI___ESR 323781 | 11.51 0.07 -0.03 | 8.37 0.03 -0.15 | 9.31 0.00 0.00 | 11.52 0.01 0.00 | 7.63 -0.03 -0.05 | 5.42 -0.04 -0.11 | 12.07 -0.11 0.00 | 13.53 -0.12 0.00 | 12.35 -0.05 0.00 | 9.12 -0.03 0.00 | 7.08 -0.02 0.00 | 8.66 -0.04 0.00 | 10.00 -0.08 0.00 | 5.79 -0.07 0.00 | 3.18 -0.03 -0.15 | 5.71 -0.06 -0.18 | 13.41 -0.11 -0.02 | 14.19 0.02 0.00 | 17.06 0.08 -0.16 | 16.22 0.07 -0.38 | 24.51 0.06 0.00 | 17.34 0.00 0.00 | 13.28 -0.01 0.00 | 8.37 -0.04 0.00 |
| EAST_RIVER___1 323558 | 12.55 0.76 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.91 0.74 0.00 | 14.44 0.79 0.00 | 13.21 0.81 0.00 | 9.74 0.59 0.00 | 9.55 0.50 -1.95 | 10.25 0.63 -0.92 | 10.82 0.73 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.81 1.21 -4.84 | 26.19 1.73 0.00 | 18.55 1.21 0.00 | 14.24 0.94 0.00 | 9.01 0.60 0.00 |
| EAST_RIVER___2 323559 | 12.57 0.78 -0.39 | 10.68 0.60 -1.89 | 9.93 0.62 0.00 | 12.25 0.73 0.00 | 8.82 0.50 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.22 0.82 0.00 | 9.76 0.61 0.00 | 9.57 0.52 -1.95 | 10.27 0.65 -0.92 | 10.85 0.76 0.00 | 11.62 0.50 -5.26 | 5.30 0.25 -2.00 | 9.14 0.45 -3.10 | 14.71 0.99 -0.21 | 15.22 1.04 0.00 | 20.05 1.20 -2.03 | 21.84 1.23 -4.84 | 26.22 1.77 0.00 | 18.57 1.23 0.00 | 14.26 0.96 0.00 | 9.02 0.61 0.00 |
| EAST___DELAWARE_HYD 23607 | 12.49 0.75 -0.33 | 10.37 0.56 -1.62 | 9.90 0.59 0.00 | 12.23 0.71 0.00 | 8.69 0.48 -0.61 | 6.93 0.33 -1.25 | 12.94 0.76 0.00 | 14.50 0.85 0.00 | 13.22 0.81 0.00 | 9.73 0.58 0.00 | 7.19 0.48 0.39 | 9.13 0.61 0.18 | 10.78 0.69 0.00 | 5.23 0.43 1.06 | 4.98 0.22 -1.71 | 8.10 0.38 -2.13 | 14.61 0.93 -0.18 | 15.25 1.08 0.00 | 19.87 1.32 -1.73 | 21.23 1.32 -4.13 | 26.40 1.94 0.00 | 18.66 1.32 0.00 | 14.29 0.99 0.00 | 9.02 0.61 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 10.79 -0.69 -0.08 | 8.23 -0.34 -0.38 | 8.76 -0.55 0.00 | 10.84 -0.68 0.00 | 7.40 -0.35 -0.14 | 5.26 -0.38 -0.29 | 11.35 -0.83 0.00 | 12.77 -0.88 0.00 | 11.67 -0.73 0.00 | 8.70 -0.45 0.00 | 6.70 -0.40 0.00 | 8.17 -0.53 0.00 | 9.41 -0.68 0.00 | 5.40 -0.47 0.00 | 3.23 -0.22 -0.40 | 5.78 -0.44 -0.62 | 12.23 -1.31 -0.04 | 12.67 -1.51 0.00 | 15.67 -1.58 -0.43 | 15.47 -1.32 -1.01 | 35.04 -1.68 -12.27 | 27.36 -1.11 -11.13 | 16.02 -0.60 -3.32 | 8.18 -0.23 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 11.34 -0.11 -0.04 | 8.32 -0.07 -0.20 | 9.21 -0.10 0.00 | 11.39 -0.13 0.00 | 7.59 -0.09 -0.08 | 5.45 -0.06 -0.16 | 12.05 -0.13 0.00 | 13.51 -0.14 0.00 | 12.31 -0.09 0.00 | 9.10 -0.05 0.00 | 7.06 -0.04 0.00 | 8.66 -0.05 0.00 | 10.02 -0.06 0.00 | 5.82 -0.05 0.00 | 3.24 -0.02 -0.21 | 5.80 -0.04 -0.25 | 13.45 -0.07 -0.02 | 14.13 -0.05 0.00 | 16.99 -0.05 -0.22 | 16.28 -0.02 -0.52 | 24.39 -0.07 0.00 | 17.25 -0.10 0.00 | 13.22 -0.09 0.00 | 8.35 -0.07 0.00 |
| ELEC_TRO_TEK 24086 | 12.54 0.75 -0.39 | 10.66 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.13 0.31 -1.46 | 12.87 0.70 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.67 0.52 0.00 | 9.54 0.49 -1.95 | 10.19 0.57 -0.91 | 10.76 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.14 0.45 -3.10 | 14.68 0.97 -0.21 | 15.19 1.02 0.00 | 20.05 1.20 -2.03 | 21.77 1.16 -4.84 | 26.13 1.67 0.00 | 18.58 1.24 0.00 | 14.28 0.98 0.00 | 9.04 0.63 0.00 |
| ELLENBURG_WT_PWR 323604 | 11.66 0.25 0.00 | 8.17 -0.02 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.58 -0.03 0.00 | 5.29 -0.06 0.00 | 11.88 -0.30 0.00 | 13.37 -0.28 0.00 | 11.79 -0.52 0.09 | 6.29 -0.38 2.48 | 6.78 -0.32 0.00 | 8.36 -0.34 0.00 | 9.67 -0.42 0.00 | 5.61 -0.26 0.00 | 0.83 -0.13 2.09 | -16.66 -0.29 21.96 | -19.64 -0.71 32.43 | -21.74 -0.73 35.19 | -21.45 -0.85 37.41 | -21.06 -0.84 35.99 | 8.77 -1.14 14.54 | -15.25 -0.74 31.86 | 12.60 -0.41 0.28 | 8.21 -0.20 0.00 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 10.98 -0.49 -0.06 | 8.06 -0.44 -0.30 | 8.72 -0.59 0.00 | 10.79 -0.73 0.00 | 7.23 -0.49 -0.11 | 5.24 -0.34 -0.24 | 11.48 -0.70 0.00 | 12.91 -0.74 0.00 | 11.95 -0.45 0.00 | 8.97 -0.18 0.00 | 6.92 -0.18 0.00 | 8.49 -0.22 0.00 | 9.82 -0.27 0.00 | 5.58 -0.28 0.00 | 3.24 -0.14 -0.32 | 5.59 -0.31 -0.31 | 12.86 -0.68 -0.03 | 13.44 -0.73 0.00 | 16.18 -0.96 -0.33 | 15.81 -0.74 -0.78 | 18.41 -1.29 4.75 | 12.08 -0.96 4.31 | 11.27 -0.74 1.29 | 7.98 -0.43 0.00 |
| EMPIRE_CC_1 323656 | 12.13 0.24 -0.48 | 10.73 0.20 -2.35 | 9.51 0.19 0.00 | 11.76 0.24 0.00 | 8.66 0.17 -0.88 | 7.28 0.11 -1.82 | 12.40 0.22 0.00 | 13.86 0.21 0.00 | 12.59 0.19 0.00 | 9.28 0.13 0.00 | 8.09 0.13 -0.86 | 9.26 0.16 -0.40 | 10.25 0.16 0.00 | 8.31 0.12 -2.33 | 5.60 0.06 -2.48 | 9.00 0.13 -3.28 | 14.01 0.25 -0.26 | 14.46 0.29 0.00 | 19.69 0.35 -2.52 | 22.10 0.31 -6.01 | 24.89 0.43 0.00 | 17.58 0.24 0.00 | 13.50 0.20 0.00 | 8.56 0.15 0.00 |

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|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|--------------------------|------------------------|-----------------------|
| EMPIRE_CC_2 323658 | 12.13 0.24 -0.48 | 10.73 0.20 -2.35 | 9.51 0.19 0.00 | 11.76 0.24 0.00 | 8.66 0.17 -0.88 | 7.28 0.11 -1.82 | 12.40 0.22 0.00 | 13.86 0.21 0.00 | 12.59 0.19 0.00 | 9.28 0.13 0.00 | 8.09 0.13 -0.86 | 9.26 0.16 -0.40 | 10.25 0.16 0.00 | 8.31 0.12 -2.33 | 5.60 0.06 -2.48 | 9.00 0.13 -3.28 | 14.01 0.25 -0.26 | 14.46 0.29 0.00 | 19.69 0.35 -2.52 | 22.10 0.31 -6.01 | 24.89 0.43 0.00 | 17.58 0.24 0.00 | 13.50 0.20 0.00 | 8.56 0.15 0.00 |
| ENORWICH_115KV_TB1 80156 | 11.99 0.46 -0.12 | 9.11 0.32 -0.60 | 9.65 0.33 0.00 | 11.93 0.42 0.00 | 8.13 0.30 -0.22 | 6.04 0.22 -0.46 | 12.70 0.53 0.00 | 14.22 0.57 0.00 | 12.91 0.50 0.00 | 9.51 0.36 0.00 | 7.38 0.28 0.00 | 9.01 0.31 0.00 | 10.38 0.29 0.00 | 6.06 0.20 0.00 | 3.79 0.10 -0.63 | 6.51 0.18 -0.74 | 14.17 0.60 -0.07 | 14.85 0.68 0.00 | 18.33 0.87 -0.65 | 18.30 0.99 -1.54 | 26.49 1.41 -0.62 | 18.81 0.91 -0.56 | 14.12 0.65 -0.17 | 8.77 0.36 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 11.20 -0.28 -0.06 | 8.22 -0.28 -0.31 | 8.90 -0.41 0.00 | 11.02 -0.50 0.00 | 7.38 -0.34 -0.12 | 5.35 -0.24 -0.24 | 11.72 -0.46 0.00 | 13.19 -0.46 0.00 | 12.20 -0.21 0.00 | 9.15 0.00 0.00 | 7.06 -0.04 0.00 | 8.67 -0.04 0.00 | 10.03 -0.06 0.00 | 5.70 -0.16 0.00 | 3.31 -0.07 -0.33 | 5.72 -0.19 -0.33 | 13.16 -0.38 -0.04 | 13.76 -0.42 0.00 | 16.56 -0.59 -0.34 | 16.19 -0.38 -0.80 | 19.65 -0.70 4.11 | 13.05 -0.57 3.73 | 11.74 -0.44 1.11 | 8.16 -0.24 0.00 |
| ERIE_WT_PWR 323693 | 11.04 -0.43 -0.06 | 8.11 -0.39 -0.31 | 8.77 -0.54 0.00 | 10.85 -0.67 0.00 | 7.27 -0.45 -0.12 | 5.28 -0.31 -0.24 | 11.56 -0.62 0.00 | 12.99 -0.67 0.00 | 12.01 -0.39 0.00 | 9.01 -0.14 0.00 | 6.96 -0.14 0.00 | 8.53 -0.17 0.00 | 9.87 -0.22 0.00 | 5.61 -0.26 0.00 | 3.26 -0.12 -0.33 | 5.63 -0.28 -0.32 | 12.93 -0.60 -0.03 | 13.53 -0.65 0.00 | 16.28 -0.87 -0.34 | 15.92 -0.64 -0.79 | 18.78 -1.11 4.56 | 12.37 -0.83 4.13 | 11.44 -0.63 1.23 | 8.04 -0.37 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 12.02 0.42 -0.19 | 9.41 0.31 -0.91 | 9.64 0.33 0.00 | 11.93 0.41 0.00 | 8.23 0.28 -0.34 | 6.25 0.20 -0.70 | 12.65 0.47 0.00 | 14.18 0.53 0.00 | 12.89 0.49 0.00 | 9.52 0.37 0.00 | 7.24 0.30 0.16 | 9.00 0.37 0.07 | 10.49 0.41 0.00 | 5.69 0.25 0.42 | 4.14 0.12 -0.96 | 6.86 0.23 -1.04 | 14.18 0.57 -0.10 | 14.81 0.63 0.00 | 18.56 0.77 -0.98 | 18.88 0.79 -2.32 | 25.60 1.15 0.00 | 18.09 0.75 0.00 | 13.86 0.56 0.00 | 8.74 0.33 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 11.61 0.12 -0.08 | 8.69 0.09 -0.42 | 9.39 0.08 0.00 | 11.61 0.09 0.00 | 7.83 0.06 -0.16 | 5.72 0.04 -0.32 | 12.30 0.12 0.00 | 13.80 0.14 0.00 | 12.56 0.16 0.00 | 9.26 0.11 0.00 | 7.19 0.08 0.00 | 8.80 0.09 0.00 | 10.19 0.10 0.00 | 5.92 0.06 0.00 | 3.52 0.03 -0.44 | 6.15 0.04 -0.52 | 13.71 0.17 -0.05 | 14.40 0.23 0.00 | 17.57 0.31 -0.45 | 17.20 0.37 -1.06 | 26.02 0.51 -1.05 | 18.58 0.29 -0.96 | 13.79 0.21 -0.28 | 8.52 0.11 0.00 |
| ETNA____115KV_TB2 80207 | 11.61 0.12 -0.08 | 8.69 0.09 -0.42 | 9.39 0.08 0.00 | 11.61 0.09 0.00 | 7.83 0.06 -0.16 | 5.72 0.04 -0.32 | 12.30 0.12 0.00 | 13.80 0.14 0.00 | 12.56 0.16 0.00 | 9.26 0.11 0.00 | 7.19 0.08 0.00 | 8.80 0.09 0.00 | 10.19 0.10 0.00 | 5.92 0.06 0.00 | 3.52 0.03 -0.44 | 6.15 0.04 -0.52 | 13.71 0.17 -0.05 | 14.40 0.23 0.00 | 17.57 0.31 -0.45 | 17.20 0.37 -1.06 | 26.02 0.51 -1.05 | 18.58 0.29 -0.96 | 13.79 0.21 -0.28 | 8.52 0.11 0.00 |
| EUCLID__115KV_TB2 356179 | 11.28 -0.16 -0.03 | 8.23 -0.12 -0.16 | 9.15 -0.16 0.00 | 11.32 -0.20 0.00 | 7.54 -0.13 -0.06 | 5.38 -0.09 -0.12 | 11.98 -0.20 0.00 | 13.43 -0.22 0.00 | 12.23 -0.17 0.00 | 9.04 -0.11 0.00 | 7.01 -0.09 0.00 | 8.60 -0.10 0.00 | 9.96 -0.13 0.00 | 5.78 -0.08 0.00 | 3.18 -0.04 -0.17 | 5.71 -0.08 -0.20 | 13.36 -0.16 -0.02 | 14.03 -0.14 0.00 | 16.82 -0.17 -0.17 | 16.07 -0.11 -0.41 | 24.22 -0.23 0.00 | 17.12 -0.22 0.00 | 13.13 -0.17 0.00 | 8.29 -0.12 0.00 |
| E_CANADA_CAP_HY 24051 | 12.19 0.27 -0.51 | 10.87 0.17 -2.52 | 9.48 0.17 0.00 | 11.73 0.21 0.00 | 8.68 0.12 -0.94 | 7.38 0.09 -1.94 | 12.37 0.19 0.00 | 13.97 0.31 0.00 | 12.65 0.24 0.00 | 9.35 0.20 0.00 | 7.90 0.09 -0.70 | 9.14 0.11 -0.33 | 10.15 0.06 0.00 | 7.77 0.02 -1.90 | 5.76 0.05 -2.66 | 9.08 0.08 -3.42 | 14.02 0.24 -0.28 | 14.55 0.38 0.00 | 20.09 0.58 -2.70 | 22.75 0.54 -6.43 | 25.11 0.65 0.00 | 17.81 0.47 0.00 | 13.70 0.40 0.00 | 8.66 0.25 0.00 |
| E_CANADA_MHWK_HY 24050 | 11.60 0.19 0.00 | 8.31 0.12 0.00 | 9.42 0.11 0.00 | 11.66 0.14 0.00 | 7.72 0.10 0.00 | 5.43 0.08 0.00 | 12.36 0.18 0.00 | 13.83 0.18 0.00 | 12.51 0.10 0.00 | 9.24 0.09 0.00 | 7.19 0.08 0.00 | 8.76 0.05 0.00 | 10.13 0.04 0.00 | 5.88 0.02 0.00 | 3.04 -0.02 0.00 | 5.59 0.00 0.00 | 13.51 0.01 0.00 | 14.41 0.23 0.00 | 17.23 0.41 0.00 | 16.17 0.40 0.00 | 24.88 0.42 0.00 | 17.49 0.15 0.00 | 13.43 0.13 0.00 | 8.47 0.06 0.00 |
| E_FISHKILL__LBMP 23776 | 12.41 0.59 -0.41 | 10.65 0.45 -2.02 | 9.77 0.46 0.00 | 12.07 0.55 0.00 | 8.74 0.38 -0.75 | 7.17 0.26 -1.56 | 12.75 0.57 0.00 | 14.26 0.60 0.00 | 13.01 0.61 0.00 | 9.59 0.44 0.00 | 8.94 0.38 -1.46 | 9.86 0.47 -0.69 | 10.63 0.55 0.00 | 10.16 0.36 -3.94 | 5.37 0.19 -2.13 | 9.05 0.34 -3.12 | 14.48 0.75 -0.22 | 14.98 0.81 0.00 | 19.93 0.96 -2.16 | 21.89 0.97 -5.15 | 25.85 1.39 0.00 | 18.28 0.94 0.00 | 14.03 0.73 0.00 | 8.87 0.46 0.00 |
| FALCON__SEABRD_CC1 323796 | 11.82 0.41 0.00 | 8.27 0.09 0.00 | 9.39 0.08 0.00 | 11.65 0.14 0.00 | 7.67 0.07 0.00 | 5.36 0.01 0.00 | 12.05 -0.13 0.00 | 13.57 -0.09 0.00 | 11.95 -0.36 0.09 | 6.38 -0.27 2.50 | 6.88 -0.23 0.00 | 8.47 -0.23 0.00 | 9.79 -0.29 0.00 | 5.68 -0.18 0.00 | 0.85 -0.09 2.11 | -16.78 -0.22 22.15 | -19.74 -0.52 32.72 | -21.90 -0.57 35.51 | -21.60 -0.67 37.75 | -21.19 -0.65 36.31 | 8.94 -0.84 14.67 | -15.37 -0.57 32.14 | 12.73 -0.28 0.29 | 8.29 -0.12 0.00 |
| FALCON__SEABRD_CC2 323797 | 11.82 0.41 0.00 | 8.27 0.09 0.00 | 9.39 0.08 0.00 | 11.65 0.14 0.00 | 7.67 0.07 0.00 | 5.36 0.01 0.00 | 12.05 -0.13 0.00 | 13.57 -0.09 0.00 | 11.95 -0.36 0.09 | 6.38 -0.27 2.50 | 6.88 -0.23 0.00 | 8.47 -0.23 0.00 | 9.79 -0.29 0.00 | 5.68 -0.18 0.00 | 0.85 -0.09 2.11 | -16.78 -0.22 22.15 | -19.74 -0.52 32.72 | -21.90 -0.57 35.51 | -21.60 -0.67 37.75 | -21.19 -0.65 36.31 | 8.94 -0.84 14.67 | -15.37 -0.57 32.14 | 12.73 -0.28 0.29 | 8.29 -0.12 0.00 |
| FAR ROCKAWAY__4 23548 | 12.61 0.81 -0.39 | 10.77 0.68 -1.89 | 10.02 0.70 0.00 | 12.34 0.83 0.00 | 8.88 0.57 -0.71 | 7.19 0.38 -1.46 | 13.02 0.84 0.00 | 14.54 0.89 0.00 | 13.30 0.90 0.00 | 9.78 0.63 0.00 | 9.62 0.58 -1.95 | 10.30 0.68 -0.91 | 10.91 0.82 0.00 | 11.66 0.56 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.86 1.15 -0.21 | 15.37 1.19 0.00 | 20.21 1.37 -2.03 | 21.93 1.32 -4.84 | 26.37 1.91 0.00 | 18.76 1.42 0.00 | 14.48 1.17 0.00 | 9.15 0.74 0.00 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 12.56 0.76 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.72 0.00 | 8.80 0.49 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.21 0.81 0.00 | 9.74 0.59 0.00 | 9.55 0.50 -1.95 | 10.25 0.63 -0.92 | 10.82 0.73 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.82 1.21 -4.84 | 26.19 1.74 0.00 | 18.56 1.21 0.00 | 14.25 0.95 0.00 | 9.01 0.60 0.00 |

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| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 12.56 0.77 -0.39 | 10.66 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.72 0.00 | 8.81 0.49 -0.71 | 7.14 0.33 -1.46 | 12.92 0.75 0.00 | 14.44 0.79 0.00 | 13.21 0.81 0.00 | 9.74 0.59 0.00 | 9.55 0.50 -1.95 | 10.25 0.63 -0.92 | 10.82 0.74 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.69 0.98 -0.21 | 15.20 1.03 0.00 | 20.03 1.18 -2.03 | 21.83 1.22 -4.84 | 26.21 1.75 0.00 | 18.56 1.22 0.00 | 14.25 0.95 0.00 | 9.01 0.60 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 12.55 0.76 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.91 0.73 0.00 | 14.43 0.78 0.00 | 13.20 0.80 0.00 | 9.74 0.59 0.00 | 9.55 0.50 -1.95 | 10.24 0.62 -0.92 | 10.81 0.73 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.12 0.44 -3.10 | 14.67 0.96 -0.21 | 15.19 1.02 0.00 | 20.01 1.17 -2.03 | 21.81 1.20 -4.84 | 26.18 1.72 0.00 | 18.54 1.20 0.00 | 14.24 0.94 0.00 | 9.00 0.59 0.00 |
| FARRAGUT___LBMP 323566 | 12.54 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.19 0.79 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.24 0.62 -0.92 | 10.81 0.72 0.00 | 11.60 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.67 0.96 -0.21 | 15.18 1.01 0.00 | 20.00 1.16 -2.03 | 21.80 1.19 -4.84 | 26.17 1.71 0.00 | 18.53 1.19 0.00 | 14.23 0.93 0.00 | 9.00 0.58 0.00 |
| FENNER___WINDPWR 24204 | 11.54 0.09 -0.05 | 8.48 0.06 -0.23 | 9.37 0.05 0.00 | 11.59 0.07 0.00 | 7.74 0.04 -0.09 | 5.55 0.02 -0.18 | 12.24 0.06 0.00 | 13.72 0.07 0.00 | 12.48 0.08 0.00 | 9.20 0.05 0.00 | 7.12 0.02 0.00 | 8.73 0.02 0.00 | 10.11 0.02 0.00 | 5.87 0.01 0.00 | 3.30 0.00 -0.24 | 5.87 0.00 -0.28 | 13.62 0.09 -0.03 | 14.30 0.12 0.00 | 17.24 0.18 -0.24 | 16.55 0.20 -0.58 | 24.71 0.25 0.00 | 17.47 0.13 0.00 | 13.39 0.09 0.00 | 8.44 0.03 0.00 |
| FIBERTEK___ENERGY 23856 | 11.43 -0.01 -0.04 | 8.37 -0.01 -0.19 | 9.27 -0.04 0.00 | 11.47 -0.05 0.00 | 7.64 -0.03 -0.07 | 5.47 -0.02 -0.15 | 12.13 -0.05 0.00 | 13.61 -0.04 0.00 | 12.40 -0.01 0.00 | 9.16 0.01 0.00 | 7.11 0.01 0.00 | 8.72 0.02 0.00 | 10.09 0.01 0.00 | 5.86 0.00 0.00 | 3.25 0.00 -0.20 | 5.82 0.00 -0.23 | 13.55 0.03 -0.02 | 14.24 0.07 0.00 | 17.10 0.09 -0.20 | 16.37 0.11 -0.49 | 24.56 0.11 0.00 | 17.36 0.02 0.00 | 13.31 0.00 0.00 | 8.40 -0.01 0.00 |
| FITZPATRICK____ 23598 | 11.13 -0.30 -0.02 | 8.08 -0.22 -0.11 | 9.04 -0.27 0.00 | 11.18 -0.33 0.00 | 7.43 -0.22 -0.04 | 5.28 -0.16 -0.09 | 11.83 -0.35 0.00 | 13.27 -0.38 0.00 | 12.08 -0.33 0.00 | 8.92 -0.23 0.00 | 6.92 -0.18 0.00 | 8.49 -0.22 0.00 | 9.83 -0.26 0.00 | 5.70 -0.16 0.00 | 3.09 -0.08 -0.12 | 5.58 -0.15 -0.14 | 13.16 -0.35 -0.01 | 13.83 -0.35 0.00 | 16.53 -0.41 -0.12 | 15.70 -0.36 -0.29 | 23.86 -0.60 0.00 | 16.89 -0.45 0.00 | 12.94 -0.35 0.00 | 8.18 -0.23 0.00 |
| FLOWRFLD_69_KV_BK1 356044 | 12.76 0.96 -0.39 | 10.79 0.71 -1.89 | 10.04 0.73 0.00 | 12.37 0.85 0.00 | 8.90 0.58 -0.71 | 7.20 0.38 -1.46 | 13.04 0.86 0.00 | 14.56 0.90 0.00 | 13.30 0.90 0.00 | 9.77 0.61 0.00 | 9.60 0.55 -1.95 | 10.24 0.62 -0.91 | 10.80 0.71 0.00 | 11.63 0.52 -5.25 | 5.36 0.31 -2.00 | 9.22 0.53 -3.10 | 14.87 1.16 -0.21 | 15.41 1.24 0.00 | 20.36 1.51 -2.03 | 22.03 1.42 -4.84 | 26.49 2.03 0.00 | 18.85 1.51 0.00 | 14.49 1.19 0.00 | 9.19 0.77 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 12.49 0.69 -0.39 | 10.62 0.52 -1.91 | 9.86 0.54 0.00 | 12.17 0.65 0.00 | 8.77 0.44 -0.72 | 7.13 0.31 -1.48 | 12.87 0.69 0.00 | 14.40 0.75 0.00 | 13.14 0.73 0.00 | 9.67 0.52 0.00 | 8.03 0.45 -0.48 | 9.49 0.56 -0.22 | 10.73 0.64 0.00 | 7.57 0.42 -1.29 | 5.29 0.21 -2.02 | 9.07 0.39 -3.09 | 14.61 0.90 -0.21 | 15.16 0.98 0.00 | 20.05 1.18 -2.06 | 21.84 1.18 -4.89 | 26.17 1.71 0.00 | 18.50 1.16 0.00 | 14.18 0.88 0.00 | 8.96 0.54 0.00 |
| FORT ORANGE____ 23900 | 12.15 0.24 -0.49 | 10.80 0.19 -2.42 | 9.51 0.19 0.00 | 11.77 0.25 0.00 | 8.69 0.18 -0.91 | 7.34 0.12 -1.87 | 12.43 0.26 0.00 | 13.88 0.23 0.00 | 12.63 0.23 0.00 | 9.29 0.14 0.00 | 7.95 0.13 -0.73 | 9.20 0.16 -0.34 | 10.26 0.17 0.00 | 7.94 0.12 -1.95 | 5.67 0.07 -2.55 | 9.04 0.13 -3.33 | 14.04 0.26 -0.27 | 14.51 0.33 0.00 | 19.84 0.43 -2.60 | 22.36 0.40 -6.18 | 25.02 0.56 0.00 | 17.66 0.32 0.00 | 13.55 0.25 0.00 | 8.56 0.15 0.00 |
| FORT_DRUM_COGEN 23780 | 11.62 0.19 -0.02 | 8.39 0.09 -0.10 | 9.36 0.05 0.00 | 11.62 0.10 0.00 | 7.63 -0.02 -0.04 | 5.36 -0.07 -0.08 | 11.97 -0.20 0.00 | 13.38 -0.27 0.00 | 12.25 -0.15 0.00 | 9.12 -0.15 -0.11 | 6.96 -0.14 0.00 | 8.44 -0.26 0.00 | 9.71 -0.38 0.00 | 5.61 -0.25 0.00 | 3.15 -0.11 -0.20 | 6.50 -0.22 -1.13 | 14.53 -0.47 -1.49 | 15.60 -0.18 -1.61 | 18.55 -0.08 -1.82 | 17.47 -0.21 -1.91 | 24.76 -0.36 -0.66 | 18.58 -0.22 -1.46 | 13.17 -0.15 -0.01 | 8.25 -0.16 0.00 |
| FPL_FAR_ROCK_GT1 24212 | 12.61 0.82 -0.39 | 10.77 0.68 -1.89 | 10.02 0.70 0.00 | 12.34 0.83 0.00 | 8.89 0.57 -0.71 | 7.19 0.38 -1.46 | 13.02 0.84 0.00 | 14.54 0.89 0.00 | 13.30 0.90 0.00 | 9.78 0.63 0.00 | 9.62 0.58 -1.95 | 10.30 0.68 -0.91 | 10.91 0.82 0.00 | 11.66 0.56 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.86 1.15 -0.21 | 15.37 1.19 0.00 | 20.21 1.37 -2.03 | 21.93 1.32 -4.84 | 26.37 1.91 0.00 | 18.76 1.42 0.00 | 14.47 1.17 0.00 | 9.16 0.74 0.00 |
| FPL_FAR_ROCK_GT2 23815 | 12.61 0.82 -0.39 | 10.77 0.68 -1.89 | 10.02 0.70 0.00 | 12.34 0.83 0.00 | 8.89 0.57 -0.71 | 7.19 0.38 -1.46 | 13.02 0.84 0.00 | 14.54 0.89 0.00 | 13.30 0.90 0.00 | 9.78 0.63 0.00 | 9.62 0.58 -1.95 | 10.30 0.68 -0.91 | 10.91 0.82 0.00 | 11.66 0.56 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.86 1.15 -0.21 | 15.37 1.19 0.00 | 20.21 1.37 -2.03 | 21.93 1.32 -4.84 | 26.37 1.91 0.00 | 18.76 1.42 0.00 | 14.47 1.17 0.00 | 9.16 0.74 0.00 |
| FRANKLIN_FALL_HYD 24054 | 11.66 0.26 0.00 | 8.21 0.02 0.00 | 9.34 0.03 0.00 | 11.58 0.06 0.00 | 7.61 0.00 0.00 | 5.33 -0.03 0.00 | 12.02 -0.16 0.00 | 13.53 -0.12 0.00 | 12.14 -0.32 -0.06 | 10.63 -0.21 -1.69 | 6.90 -0.20 0.00 | 8.49 -0.21 0.00 | 9.82 -0.27 0.00 | 5.69 -0.17 0.00 | 4.39 -0.09 -1.43 | 20.36 -0.19 -14.97 | 35.13 -0.47 -22.10 | 37.72 -0.44 -23.99 | 41.83 -0.49 -25.50 | 39.79 -0.52 -24.53 | 33.69 -0.69 -9.91 | 38.64 -0.42 -21.71 | 13.27 -0.22 -0.19 | 8.31 -0.10 0.00 |
| FREEPORT_EQUS_GT1 23764 | 12.62 0.83 -0.39 | 10.71 0.62 -1.89 | 9.96 0.64 0.00 | 12.27 0.75 0.00 | 8.83 0.51 -0.71 | 7.15 0.34 -1.46 | 12.94 0.76 0.00 | 14.44 0.79 0.00 | 13.21 0.81 0.00 | 9.71 0.56 0.00 | 9.57 0.52 -1.95 | 10.22 0.60 -0.91 | 10.80 0.72 0.00 | 11.61 0.51 -5.25 | 5.33 0.28 -2.00 | 9.18 0.49 -3.10 | 14.77 1.06 -0.21 | 15.29 1.12 0.00 | 20.16 1.32 -2.03 | 21.87 1.26 -4.84 | 26.30 1.84 0.00 | 18.71 1.37 0.00 | 14.37 1.07 0.00 | 9.10 0.69 0.00 |
| FREEPORT___CT2 23818 | 12.62 0.83 -0.39 | 10.71 0.62 -1.89 | 9.96 0.64 0.00 | 12.27 0.75 0.00 | 8.83 0.51 -0.71 | 7.15 0.34 -1.46 | 12.94 0.76 0.00 | 14.44 0.79 0.00 | 13.21 0.81 0.00 | 9.71 0.56 0.00 | 9.57 0.52 -1.95 | 10.22 0.60 -0.91 | 10.80 0.72 0.00 | 11.61 0.51 -5.25 | 5.33 0.28 -2.00 | 9.18 0.49 -3.10 | 14.77 1.06 -0.21 | 15.29 1.12 0.00 | 20.16 1.32 -2.03 | 21.87 1.26 -4.84 | 26.30 1.84 0.00 | 18.71 1.37 0.00 | 14.37 1.07 0.00 | 9.10 0.69 0.00 |

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| FRESHKLS_33_KV_LOAD 356253 | 12.48 0.69 -0.39 | 10.60 0.52 -1.89 | 9.85 0.54 0.00 | 12.16 0.64 0.00 | 8.74 0.42 -0.71 | 7.10 0.29 -1.46 | 12.84 0.66 0.00 | 14.37 0.71 0.00 | 13.14 0.74 0.00 | 9.69 0.54 0.00 | 9.53 0.48 -1.95 | 10.20 0.58 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.67 0.96 -0.21 | 15.20 1.03 0.00 | 20.02 1.17 -2.03 | 21.74 1.13 -4.84 | 26.04 1.59 0.00 | 18.47 1.13 0.00 | 14.18 0.88 0.00 | 8.96 0.55 0.00 |
| FULTON COGEN____ 23766 | 11.49 0.05 -0.03 | 8.37 0.02 -0.16 | 9.31 0.00 0.00 | 11.52 0.00 0.00 | 7.66 -0.01 -0.06 | 5.46 -0.02 -0.12 | 12.16 -0.02 0.00 | 13.64 -0.01 0.00 | 12.43 0.03 0.00 | 9.19 0.04 0.00 | 7.14 0.04 0.00 | 8.75 0.05 0.00 | 10.12 0.03 0.00 | 5.86 0.00 0.00 | 3.23 0.00 -0.17 | 5.80 0.01 -0.20 | 13.58 0.06 -0.02 | 14.31 0.14 0.00 | 17.18 0.19 -0.17 | 16.39 0.21 -0.41 | 24.71 0.25 0.00 | 17.45 0.11 0.00 | 13.36 0.06 0.00 | 8.43 0.02 0.00 |
| FULTON____LFGE 323630 | 12.47 0.55 -0.51 | 11.14 0.44 -2.52 | 9.77 0.46 0.00 | 12.10 0.58 0.00 | 8.93 0.38 -0.94 | 7.57 0.28 -1.94 | 12.82 0.64 0.00 | 14.38 0.72 0.00 | 12.56 0.15 0.00 | 9.41 0.25 0.00 | 8.06 0.26 -0.70 | 9.06 0.03 -0.33 | 10.22 0.14 0.00 | 7.68 -0.07 -1.90 | 5.73 0.02 -2.66 | 9.01 0.00 -3.42 | 13.84 0.05 -0.28 | 14.95 0.78 0.00 | 20.83 1.31 -2.70 | 23.36 1.16 -6.43 | 26.03 1.57 0.00 | 18.42 1.08 0.00 | 14.08 0.78 0.00 | 8.87 0.46 0.00 |
| G.F.CEMENT____DRP 24184 | 12.53 0.61 -0.51 | 11.15 0.47 -2.50 | 9.80 0.49 0.00 | 12.09 0.57 0.00 | 8.93 0.38 -0.94 | 7.55 0.28 -1.93 | 12.77 0.60 0.00 | 14.44 0.78 0.00 | 13.15 0.75 0.00 | 9.68 0.53 0.00 | 8.25 0.43 -0.72 | 9.55 0.51 -0.34 | 10.63 0.54 0.00 | 8.13 0.32 -1.95 | 5.86 0.17 -2.64 | 9.32 0.33 -3.40 | 14.62 0.84 -0.28 | 15.14 0.96 0.00 | 20.65 1.16 -2.68 | 23.21 1.06 -6.38 | 25.99 1.53 0.00 | 18.27 0.93 0.00 | 14.00 0.69 0.00 | 8.81 0.40 0.00 |
| GARDENVILLE____LBMP 24039 | 11.01 -0.46 -0.06 | 8.09 -0.41 -0.31 | 8.75 -0.56 0.00 | 10.83 -0.69 0.00 | 7.26 -0.47 -0.12 | 5.26 -0.33 -0.24 | 11.52 -0.66 0.00 | 12.95 -0.70 0.00 | 11.98 -0.42 0.00 | 9.00 -0.16 0.00 | 6.94 -0.16 0.00 | 8.51 -0.20 0.00 | 9.84 -0.25 0.00 | 5.59 -0.27 0.00 | 3.25 -0.13 -0.33 | 5.61 -0.30 -0.31 | 12.89 -0.64 -0.03 | 13.48 -0.69 0.00 | 16.24 -0.92 -0.34 | 15.88 -0.68 -0.79 | 18.10 -1.19 5.16 | 11.77 -0.89 4.68 | 11.22 -0.69 1.40 | 8.01 -0.40 0.00 |
| GARDNVLA_35_KV_LD 355827 | 11.06 -0.41 -0.06 | 8.12 -0.38 -0.31 | 8.78 -0.53 0.00 | 10.86 -0.65 0.00 | 7.28 -0.44 -0.12 | 5.28 -0.31 -0.24 | 11.56 -0.62 0.00 | 13.00 -0.65 0.00 | 12.03 -0.38 0.00 | 9.03 -0.12 0.00 | 6.97 -0.13 0.00 | 8.54 -0.16 0.00 | 9.89 -0.20 0.00 | 5.62 -0.24 0.00 | 3.26 -0.12 -0.33 | 5.64 -0.27 -0.32 | 12.95 -0.58 -0.03 | 13.54 -0.63 0.00 | 16.31 -0.85 -0.34 | 15.95 -0.61 -0.79 | 19.04 -1.08 4.33 | 12.59 -0.83 3.93 | 11.49 -0.64 1.17 | 8.05 -0.36 0.00 |
| GELCKHM__115KV_LOAD 80723 | 11.34 -0.11 -0.04 | 8.28 -0.08 -0.17 | 9.20 -0.11 0.00 | 11.37 -0.14 0.00 | 7.58 -0.09 -0.06 | 5.41 -0.07 -0.13 | 12.04 -0.14 0.00 | 13.50 -0.15 0.00 | 12.29 -0.11 0.00 | 9.09 -0.06 0.00 | 7.05 -0.05 0.00 | 8.65 -0.06 0.00 | 10.01 -0.08 0.00 | 5.81 -0.05 0.00 | 3.21 -0.03 -0.18 | 5.75 -0.05 -0.21 | 13.43 -0.09 -0.02 | 14.11 -0.06 0.00 | 16.93 -0.07 -0.18 | 16.18 -0.04 -0.44 | 24.35 -0.11 0.00 | 17.21 -0.13 0.00 | 13.19 -0.11 0.00 | 8.33 -0.08 0.00 |
| GENERAL____MILLS 23808 | 11.04 -0.43 -0.06 | 8.11 -0.39 -0.31 | 8.77 -0.54 0.00 | 10.85 -0.66 0.00 | 7.27 -0.45 -0.12 | 5.27 -0.32 -0.24 | 11.55 -0.63 0.00 | 12.99 -0.66 0.00 | 12.01 -0.39 0.00 | 9.02 -0.13 0.00 | 6.96 -0.14 0.00 | 8.53 -0.17 0.00 | 9.87 -0.21 0.00 | 5.61 -0.25 0.00 | 3.26 -0.12 -0.33 | 5.63 -0.28 -0.32 | 12.93 -0.60 -0.03 | 13.52 -0.65 0.00 | 16.28 -0.87 -0.34 | 15.93 -0.63 -0.79 | 18.78 -1.12 4.56 | 12.36 -0.84 4.13 | 11.42 -0.65 1.23 | 8.04 -0.37 0.00 |
| GE_PLASTICS____DRP 24183 | 12.15 0.25 -0.49 | 10.82 0.20 -2.43 | 9.52 0.21 0.00 | 11.78 0.26 0.00 | 8.70 0.18 -0.91 | 7.35 0.12 -1.87 | 12.45 0.27 0.00 | 13.91 0.25 0.00 | 12.64 0.24 0.00 | 9.31 0.16 0.00 | 7.97 0.14 -0.72 | 9.22 0.18 -0.34 | 10.28 0.20 0.00 | 7.94 0.14 -1.94 | 5.69 0.07 -2.56 | 9.05 0.14 -3.33 | 14.06 0.29 -0.27 | 14.52 0.34 0.00 | 19.84 0.42 -2.60 | 22.37 0.40 -6.20 | 25.02 0.56 0.00 | 17.68 0.34 0.00 | 13.57 0.27 0.00 | 8.58 0.17 0.00 |
| GILBOA____1 23756 | 12.10 0.31 -0.39 | 10.34 0.26 -1.89 | 9.59 0.28 0.00 | 11.90 0.38 0.00 | 8.58 0.26 -0.71 | 6.99 0.18 -1.46 | 12.58 0.40 0.00 | 14.07 0.42 0.00 | 12.72 0.32 0.00 | 9.37 0.22 0.00 | 7.76 0.20 -0.46 | 9.16 0.24 -0.22 | 10.36 0.27 0.00 | 7.28 0.18 -1.24 | 5.14 0.09 -2.00 | 8.30 0.17 -2.53 | 14.10 0.39 -0.21 | 14.61 0.44 0.00 | 19.35 0.50 -2.03 | 21.11 0.50 -4.83 | 25.21 0.75 0.00 | 17.82 0.48 0.00 | 13.67 0.37 0.00 | 8.64 0.23 0.00 |
| GILBOA____2 23757 | 12.10 0.31 -0.39 | 10.34 0.26 -1.89 | 9.59 0.28 0.00 | 11.90 0.38 0.00 | 8.58 0.26 -0.71 | 6.99 0.18 -1.46 | 12.58 0.40 0.00 | 14.07 0.42 0.00 | 12.72 0.32 0.00 | 9.37 0.22 0.00 | 7.76 0.20 -0.46 | 9.16 0.24 -0.22 | 10.36 0.27 0.00 | 7.28 0.18 -1.24 | 5.14 0.09 -2.00 | 8.30 0.17 -2.53 | 14.10 0.39 -0.21 | 14.61 0.44 0.00 | 19.35 0.50 -2.03 | 21.11 0.50 -4.83 | 25.21 0.75 0.00 | 17.82 0.48 0.00 | 13.67 0.37 0.00 | 8.64 0.23 0.00 |
| GILBOA____3 23758 | 12.10 0.31 -0.39 | 10.34 0.26 -1.89 | 9.59 0.28 0.00 | 11.90 0.38 0.00 | 8.58 0.26 -0.71 | 6.99 0.18 -1.46 | 12.58 0.40 0.00 | 14.07 0.42 0.00 | 12.72 0.32 0.00 | 9.37 0.22 0.00 | 7.76 0.20 -0.46 | 9.16 0.24 -0.22 | 10.36 0.27 0.00 | 7.28 0.18 -1.24 | 5.14 0.09 -2.00 | 8.30 0.17 -2.53 | 14.10 0.39 -0.21 | 14.61 0.44 0.00 | 19.35 0.50 -2.03 | 21.11 0.50 -4.83 | 25.21 0.75 0.00 | 17.82 0.48 0.00 | 13.67 0.37 0.00 | 8.64 0.23 0.00 |
| GILBOA____4 23759 | 12.10 0.31 -0.39 | 10.34 0.26 -1.89 | 9.59 0.28 0.00 | 11.90 0.38 0.00 | 8.58 0.26 -0.71 | 6.99 0.18 -1.46 | 12.58 0.40 0.00 | 14.07 0.42 0.00 | 12.72 0.32 0.00 | 9.37 0.22 0.00 | 7.76 0.20 -0.46 | 9.16 0.24 -0.22 | 10.36 0.27 0.00 | 7.28 0.18 -1.24 | 5.14 0.09 -2.00 | 8.30 0.17 -2.53 | 14.10 0.39 -0.21 | 14.61 0.44 0.00 | 19.35 0.50 -2.03 | 21.11 0.50 -4.83 | 25.21 0.75 0.00 | 17.82 0.48 0.00 | 13.67 0.37 0.00 | 8.64 0.23 0.00 |
| GILBOA____ 23599 | 12.10 0.31 -0.39 | 10.34 0.26 -1.89 | 9.59 0.28 0.00 | 11.90 0.38 0.00 | 8.58 0.26 -0.71 | 6.99 0.18 -1.46 | 12.58 0.40 0.00 | 14.07 0.42 0.00 | 12.72 0.32 0.00 | 9.37 0.22 0.00 | 7.76 0.20 -0.46 | 9.16 0.24 -0.22 | 10.36 0.27 0.00 | 7.28 0.18 -1.24 | 5.14 0.09 -2.00 | 8.30 0.17 -2.53 | 14.10 0.39 -0.21 | 14.61 0.44 0.00 | 19.35 0.50 -2.03 | 21.11 0.50 -4.83 | 25.21 0.75 0.00 | 17.82 0.48 0.00 | 13.67 0.37 0.00 | 8.64 0.23 0.00 |
| GINNA____ 23603 | 10.72 -0.73 -0.04 | 7.84 -0.57 -0.21 | 8.62 -0.69 0.00 | 10.66 -0.86 0.00 | 7.12 -0.57 -0.08 | 5.12 -0.39 -0.16 | 11.34 -0.84 0.00 | 12.72 -0.93 0.00 | 11.65 -0.75 0.00 | 8.66 -0.49 0.00 | 6.71 -0.39 0.00 | 8.23 -0.47 0.00 | 9.53 -0.55 0.00 | 5.49 -0.37 0.00 | 3.09 -0.19 -0.22 | 5.49 -0.36 -0.26 | 12.73 -0.79 -0.02 | 13.38 -0.80 0.00 | 16.08 -0.96 -0.22 | 15.45 -0.87 -0.55 | 22.99 -1.47 0.00 | 16.23 -1.11 0.00 | 12.42 -0.88 0.00 | 7.85 -0.56 0.00 |

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|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| GLEN PARK____ 23778 | 11.69 0.26 -0.02 | 8.43 0.14 -0.10 | 9.41 0.10 0.00 | 11.68 0.16 0.00 | 7.67 0.02 -0.04 | 5.39 -0.04 -0.08 | 12.05 -0.12 0.00 | 13.47 -0.18 0.00 | 12.34 -0.07 0.00 | 9.18 -0.08 -0.11 | 7.01 -0.09 0.00 | 8.50 -0.20 0.00 | 9.75 -0.33 0.00 | 5.64 -0.22 0.00 | 3.16 -0.09 -0.20 | 6.49 -0.18 -1.08 | 14.54 -0.38 -1.42 | 15.64 -0.07 -1.53 | 18.62 0.07 -1.74 | 17.55 -0.06 -1.84 | 24.93 -0.15 -0.63 | 18.64 -0.09 -1.38 | 13.26 -0.05 -0.01 | 8.31 -0.10 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 12.62 0.83 -0.39 | 10.70 0.62 -1.89 | 9.95 0.64 0.00 | 12.28 0.76 0.00 | 8.83 0.51 -0.71 | 7.16 0.35 -1.46 | 12.97 0.79 0.00 | 14.50 0.84 0.00 | 13.27 0.87 0.00 | 9.78 0.63 0.00 | 9.59 0.54 -1.95 | 10.29 0.67 -0.92 | 10.87 0.79 0.00 | 11.63 0.52 -5.26 | 5.31 0.26 -2.00 | 9.16 0.47 -3.10 | 14.73 1.02 -0.21 | 15.26 1.09 0.00 | 20.09 1.24 -2.03 | 21.91 1.30 -4.84 | 26.34 1.88 0.00 | 18.65 1.31 0.00 | 14.32 1.02 0.00 | 9.05 0.64 0.00 |
| GLENWOOD_IC_1_G5 23712 | 12.56 0.76 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.41 0.76 0.00 | 13.18 0.78 0.00 | 9.71 0.55 0.00 | 9.55 0.51 -1.95 | 10.23 0.61 -0.91 | 10.80 0.71 0.00 | 11.59 0.49 -5.25 | 5.31 0.26 -2.00 | 9.15 0.46 -3.10 | 14.72 1.00 -0.21 | 15.23 1.06 0.00 | 20.10 1.25 -2.03 | 21.84 1.23 -4.84 | 26.24 1.79 0.00 | 18.62 1.28 0.00 | 14.29 0.99 0.00 | 9.04 0.63 0.00 |
| GLENWOOD_IC_2_G1 23688 | 12.52 0.72 -0.39 | 10.63 0.55 -1.89 | 9.88 0.57 0.00 | 12.20 0.67 0.00 | 8.78 0.46 -0.71 | 7.12 0.31 -1.46 | 12.87 0.69 0.00 | 14.38 0.73 0.00 | 13.14 0.74 0.00 | 9.68 0.53 0.00 | 9.53 0.48 -1.95 | 10.20 0.58 -0.91 | 10.77 0.68 0.00 | 11.56 0.46 -5.25 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.02 1.17 -2.03 | 21.78 1.17 -4.84 | 26.15 1.69 0.00 | 18.54 1.20 0.00 | 14.22 0.92 0.00 | 9.00 0.59 0.00 |
| GLENWOOD_IC_3_G1 23689 | 12.52 0.72 -0.39 | 10.63 0.55 -1.89 | 9.88 0.57 0.00 | 12.20 0.67 0.00 | 8.78 0.46 -0.71 | 7.12 0.31 -1.46 | 12.87 0.69 0.00 | 14.38 0.73 0.00 | 13.14 0.74 0.00 | 9.68 0.53 0.00 | 9.53 0.48 -1.95 | 10.20 0.58 -0.91 | 10.77 0.68 0.00 | 11.56 0.46 -5.25 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.02 1.17 -2.03 | 21.78 1.17 -4.84 | 26.15 1.69 0.00 | 18.54 1.20 0.00 | 14.22 0.92 0.00 | 9.00 0.59 0.00 |
| GLENWOOD____4 23550 | 12.56 0.76 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.41 0.76 0.00 | 13.18 0.78 0.00 | 9.71 0.55 0.00 | 9.55 0.51 -1.95 | 10.23 0.61 -0.91 | 10.80 0.71 0.00 | 11.59 0.49 -5.25 | 5.31 0.26 -2.00 | 9.15 0.46 -3.10 | 14.72 1.00 -0.21 | 15.23 1.06 0.00 | 20.10 1.25 -2.03 | 21.84 1.23 -4.84 | 26.24 1.79 0.00 | 18.62 1.28 0.00 | 14.29 0.99 0.00 | 9.04 0.63 0.00 |
| GLENWOOD____5 23614 | 12.56 0.76 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.41 0.76 0.00 | 13.18 0.78 0.00 | 9.71 0.55 0.00 | 9.55 0.51 -1.95 | 10.23 0.61 -0.91 | 10.80 0.71 0.00 | 11.59 0.49 -5.25 | 5.31 0.26 -2.00 | 9.15 0.46 -3.10 | 14.72 1.00 -0.21 | 15.23 1.06 0.00 | 20.10 1.25 -2.03 | 21.84 1.23 -4.84 | 26.24 1.79 0.00 | 18.62 1.28 0.00 | 14.29 0.99 0.00 | 9.04 0.63 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 13.09 1.30 -0.39 | 11.02 0.94 -1.89 | 10.30 0.99 0.00 | 12.69 1.17 0.00 | 9.11 0.79 -0.71 | 7.34 0.53 -1.46 | 13.39 1.22 0.00 | 14.96 1.31 0.00 | 13.68 1.28 0.00 | 10.06 0.91 0.00 | 9.81 0.76 -1.95 | 10.49 0.87 -0.91 | 11.08 1.00 0.00 | 11.80 0.70 -5.25 | 5.45 0.40 -2.00 | 9.41 0.72 -3.10 | 15.34 1.63 -0.21 | 15.94 1.77 0.00 | 21.02 2.17 -2.03 | 22.65 2.04 -4.84 | 27.42 2.97 0.00 | 19.45 2.11 0.00 | 14.91 1.61 0.00 | 9.44 1.03 0.00 |
| GLOBE____DSASP 323697 | 10.71 -0.75 -0.06 | 7.83 -0.64 -0.29 | 8.48 -0.84 0.00 | 10.49 -1.03 0.00 | 7.03 -0.69 -0.11 | 5.09 -0.48 -0.22 | 11.17 -1.01 0.00 | 12.55 -1.10 0.00 | 11.65 -0.75 0.00 | 8.76 -0.39 0.00 | 6.75 -0.35 0.00 | 8.28 -0.42 0.00 | 9.60 -0.49 0.00 | 5.44 -0.42 0.00 | 3.15 -0.21 -0.30 | 5.45 -0.45 -0.31 | 12.49 -1.05 -0.03 | 13.04 -1.13 0.00 | 15.64 -1.48 -0.31 | 15.23 -1.28 -0.74 | 18.67 -2.09 3.70 | 12.59 -1.40 3.35 | 11.13 -1.18 1.00 | 7.71 -0.70 0.00 |
| GOETHSLN____LBMP 323567 | 12.51 0.71 -0.39 | 10.63 0.55 -1.89 | 9.88 0.57 0.00 | 12.19 0.67 0.00 | 8.78 0.46 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.38 0.73 0.00 | 13.16 0.76 0.00 | 9.69 0.54 0.00 | 9.52 0.46 -1.95 | 10.21 0.59 -0.92 | 10.77 0.68 0.00 | 11.57 0.46 -5.26 | 5.28 0.23 -2.00 | 9.10 0.41 -3.10 | 14.62 0.91 -0.21 | 15.14 0.97 0.00 | 19.96 1.11 -2.03 | 21.76 1.15 -4.84 | 26.09 1.63 0.00 | 18.49 1.15 0.00 | 14.19 0.88 0.00 | 8.97 0.56 0.00 |
| GOLAH____69_KV_TB 1_2 80279 | 11.22 -0.23 -0.05 | 8.19 -0.22 -0.22 | 8.99 -0.32 0.00 | 11.13 -0.39 0.00 | 7.42 -0.27 -0.08 | 5.34 -0.18 -0.17 | 11.83 -0.35 0.00 | 13.29 -0.36 0.00 | 12.22 -0.18 0.00 | 9.10 -0.05 0.00 | 7.03 -0.07 0.00 | 8.62 -0.08 0.00 | 9.98 -0.11 0.00 | 5.73 -0.13 0.00 | 3.23 -0.06 -0.24 | 5.73 -0.13 -0.27 | 13.30 -0.22 -0.02 | 13.97 -0.20 0.00 | 16.79 -0.26 -0.23 | 16.17 -0.17 -0.57 | 23.47 -0.44 0.55 | 16.48 -0.37 0.50 | 12.83 -0.32 0.15 | 8.21 -0.20 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 11.98 0.38 -0.19 | 9.38 0.29 -0.91 | 9.62 0.30 0.00 | 11.90 0.38 0.00 | 8.21 0.26 -0.34 | 6.24 0.19 -0.70 | 12.60 0.43 0.00 | 14.13 0.48 0.00 | 12.84 0.44 0.00 | 9.48 0.33 0.00 | 7.22 0.27 0.16 | 8.96 0.33 0.07 | 10.46 0.37 0.00 | 5.67 0.23 0.42 | 4.13 0.12 -0.96 | 6.84 0.21 -1.04 | 14.12 0.52 -0.10 | 14.75 0.58 0.00 | 18.48 0.69 -0.98 | 18.80 0.71 -2.32 | 25.50 1.04 0.00 | 18.01 0.67 0.00 | 13.80 0.50 0.00 | 8.71 0.30 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 11.57 0.05 -0.12 | 8.82 0.04 -0.59 | 9.33 0.02 0.00 | 11.55 0.03 0.00 | 7.85 0.02 -0.22 | 5.82 0.01 -0.46 | 12.22 0.04 0.00 | 13.71 0.06 0.00 | 12.47 0.07 0.00 | 9.23 0.08 0.00 | 7.17 0.07 0.00 | 8.80 0.09 0.00 | 10.19 0.10 0.00 | 5.90 0.04 0.00 | 3.70 0.02 -0.62 | 6.35 0.03 -0.73 | 13.67 0.11 -0.07 | 14.31 0.13 0.00 | 17.56 0.10 -0.64 | 17.51 0.22 -1.51 | 24.75 0.30 0.00 | 17.45 0.11 0.00 | 13.40 0.10 0.00 | 8.47 0.06 0.00 |
| GOUDEY____7 23579 | 11.58 0.05 -0.12 | 8.82 0.04 -0.59 | 9.34 0.03 0.00 | 11.55 0.03 0.00 | 7.86 0.03 -0.22 | 5.82 0.01 -0.46 | 12.23 0.05 0.00 | 13.72 0.07 0.00 | 12.48 0.08 0.00 | 9.24 0.09 0.00 | 7.17 0.07 0.00 | 8.81 0.10 0.00 | 10.19 0.10 0.00 | 5.90 0.04 0.00 | 3.70 0.02 -0.62 | 6.35 0.03 -0.73 | 13.68 0.11 -0.07 | 14.32 0.14 0.00 | 17.57 0.12 -0.64 | 17.53 0.24 -1.51 | 24.77 0.31 0.00 | 17.46 0.12 0.00 | 13.41 0.11 0.00 | 8.48 0.07 0.00 |
| GOUDEY____8 23580 | 11.57 0.05 -0.12 | 8.82 0.04 -0.59 | 9.33 0.02 0.00 | 11.55 0.03 0.00 | 7.85 0.02 -0.22 | 5.82 0.01 -0.46 | 12.22 0.04 0.00 | 13.71 0.06 0.00 | 12.47 0.07 0.00 | 9.23 0.08 0.00 | 7.17 0.07 0.00 | 8.80 0.09 0.00 | 10.19 0.10 0.00 | 5.90 0.04 0.00 | 3.70 0.02 -0.62 | 6.35 0.03 -0.73 | 13.67 0.11 -0.07 | 14.31 0.13 0.00 | 17.56 0.10 -0.64 | 17.51 0.22 -1.51 | 24.75 0.30 0.00 | 17.45 0.11 0.00 | 13.40 0.10 0.00 | 8.47 0.06 0.00 |

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| GOWANUS_GT1_1 24077 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GOWANUS_GT1_2 24078 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GOWANUS_GT1_3 24079 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GOWANUS_GT1_4 24080 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GOWANUS_GT1_5 24084 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GOWANUS_GT1_6 24111 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 0.00 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GOWANUS_GT1_7 24112 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GOWANUS_GT1_8 24113 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.8 | | | | | | | | | | | | | | | |

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|------------------------|------------------------|------------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| GOWANUS_GT2_8 24121 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| GOWANUS_GT3_1 24122 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| GOWANUS_GT3_2 24123 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| GOWANUS_GT3_3 24124 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| GOWANUS_GT3_4 24125 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| GOWANUS_GT3_5 24126 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| GOWANUS_GT3_6 24127 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| GOWANUS_GT3_7 24128 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13 | | | | | | | | | | | | | | | |

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|---|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| GOWANUS_GT4_7 24136 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GOWANUS_GT4_8 24137 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GREENBSH_115KV_TB3 55895 | 12.09 0.19 -0.49 | 10.78 0.16 -2.43 | 9.46 0.16 0.00 | 11.72 0.20 0.00 | 8.66 0.14 -0.91 | 7.33 0.10 -1.88 | 12.38 0.20 0.00 | 13.82 0.16 0.00 | 12.57 0.17 0.00 | 9.26 0.11 0.00 | 7.95 0.11 -0.74 | 9.18 0.13 -0.35 | 10.23 0.14 0.00 | 7.96 0.11 -2.00 | 5.68 0.06 -2.57 | 9.04 0.11 -3.34 | 13.98 0.21 -0.27 | 14.43 0.26 0.00 | 19.75 0.33 -2.61 | 22.29 0.30 -6.22 | 24.87 0.41 0.00 | 17.57 0.23 0.00 | 13.49 0.19 0.00 | 8.53 0.12 0.00 |
| GREENDGE_115KV_TB5 80291 | 11.36 -0.12 -0.07 | 8.47 -0.08 -0.36 | 9.17 -0.14 0.00 | 11.34 -0.18 0.00 | 7.64 -0.11 -0.14 | 5.57 -0.06 -0.28 | 12.08 -0.10 0.00 | 13.52 -0.13 0.00 | 12.34 -0.07 0.00 | 9.14 -0.02 0.00 | 7.07 -0.04 0.00 | 8.66 -0.05 0.00 | 10.02 -0.07 0.00 | 5.79 -0.07 0.00 | 3.40 -0.03 -0.38 | 6.03 -0.08 -0.51 | 13.54 0.00 -0.04 | 14.21 0.04 0.00 | 17.25 0.05 -0.39 | 16.79 0.09 -0.93 | 29.71 -0.06 -5.31 | 22.04 -0.11 -4.81 | 14.68 -0.06 -1.44 | 8.38 -0.03 0.00 |
| GREENIDGE___3 23582 | 11.36 -0.12 -0.07 | 8.47 -0.08 -0.36 | 9.17 -0.14 0.00 | 11.34 -0.18 0.00 | 7.64 -0.11 -0.14 | 5.57 -0.06 -0.28 | 12.08 -0.10 0.00 | 13.52 -0.13 0.00 | 12.34 -0.07 0.00 | 9.14 -0.02 0.00 | 7.07 -0.04 0.00 | 8.66 -0.05 0.00 | 10.02 -0.07 0.00 | 5.79 -0.07 0.00 | 3.40 -0.03 -0.38 | 6.03 -0.08 -0.51 | 13.54 0.00 -0.04 | 14.21 0.04 0.00 | 17.25 0.05 -0.39 | 16.79 0.09 -0.93 | 29.71 -0.06 -5.31 | 22.04 -0.11 -4.81 | 14.68 -0.06 -1.44 | 8.38 -0.03 0.00 |
| GREENIDGE___4 23583 | 11.36 -0.12 -0.07 | 8.47 -0.08 -0.36 | 9.17 -0.14 0.00 | 11.34 -0.18 0.00 | 7.64 -0.11 -0.14 | 5.57 -0.06 -0.28 | 12.08 -0.10 0.00 | 13.52 -0.13 0.00 | 12.34 -0.07 0.00 | 9.14 -0.02 0.00 | 7.07 -0.04 0.00 | 8.66 -0.05 0.00 | 10.02 -0.07 0.00 | 5.79 -0.07 0.00 | 3.40 -0.03 -0.38 | 6.03 -0.08 -0.51 | 13.53 -0.01 -0.04 | 14.21 0.04 0.00 | 17.25 0.05 -0.39 | 16.78 0.08 -0.93 | 29.71 -0.06 -5.31 | 22.04 -0.11 -4.81 | 14.68 -0.05 -1.44 | 8.38 -0.03 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 12.59 0.79 -0.39 | 10.69 0.60 -1.89 | 9.93 0.62 0.00 | 12.24 0.72 0.00 | 8.81 0.49 -0.71 | 7.13 0.32 -1.46 | 12.89 0.71 0.00 | 14.38 0.73 0.00 | 13.14 0.73 0.00 | 9.65 0.50 0.00 | 9.54 0.49 -1.95 | 10.17 0.55 -0.91 | 10.72 0.64 0.00 | 11.58 0.47 -5.25 | 5.32 0.27 -2.00 | 9.15 0.46 -3.10 | 14.66 0.96 -0.21 | 15.17 0.99 0.00 | 20.05 1.20 -2.03 | 21.74 1.13 -4.84 | 26.05 1.59 0.00 | 18.56 1.21 0.00 | 14.29 0.99 0.00 | 9.07 0.66 0.00 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| GRISSOM___SOLAR 323813 | 12.47 0.55 -0.51 | 11.14 0.44 -2.52 | 9.77 0.46 0.00 | 12.10 0.58 0.00 | 8.93 0.38 -0.94 | 7.57 0.28 -1.94 | 12.82 0.64 0.00 | 14.38 0.72 0.00 | 12.56 0.15 0.00 | 9.41 0.25 0.00 | 8.06 0.26 -0.70 | 9.06 0.03 -0.33 | 10.22 0.14 0.00 | 7.68 -0.07 -1.90 | 5.73 0.02 -2.66 | 9.01 0.00 -3.42 | 13.84 0.05 -0.28 | 14.95 0.78 0.00 | 20.83 1.31 -2.70 | 23.36 1.16 -6.43 | 26.03 1.57 0.00 | 18.42 1.08 0.00 | 14.08 0.78 0.00 | 8.87 0.46 0.00 |
| GROVEVILLE___HYD 323602 | 12.49 0.69 -0.39 | 10.62 0.52 -1.91 | 9.86 0.54 0.00 | 12.17 0.65 0.00 | 8.77 0.44 -0.72 | 7.13 0.31 -1.48 | 12.87 0.69 0.00 | 14.40 0.75 0.00 | 13.14 0.73 0.00 | 9.67 0.52 0.00 | 8.03 0.45 -0.48 | 9.49 0.56 -0.22 | 10.73 0.64 0.00 | 7.57 0.42 -1.29 | 5.29 0.21 -2.02 | 9.07 0.39 -3.09 | 14.61 0.90 -0.21 | 15.16 0.98 0.00 | 20.05 1.18 -2.06 | 21.84 1.18 -4.89 | 26.17 1.71 0.00 | 18.50 1.16 0.00 | 14.18 0.88 0.00 | 8.96 0.54 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 11.43 -0.01 -0.04 | 8.37 -0.01 -0.19 | 9.27 -0.04 0.00 | 11.47 -0.05 0.00 | 7.64 -0.03 -0.07 | 5.47 -0.02 -0.15 | 12.13 -0.05 0.00 | 13.61 -0.04 0.00 | 12.40 -0.01 0.00 | 9.16 0.01 0.00 | 7.11 0.01 0.00 | 8.72 0.02 0.00 | 10.09 0.01 0.00 | 5.86 0.00 0.00 | 3.25 0.00 -0.20 | 5.82 0.00 -0.23 | 13.55 0.03 -0.02 | 14.24 0.07 0.00 | 17.10 0.09 -0.20 | 16.37 0.11 -0.49 | 24.56 0.11 0.00 | 17.36 0.02 0.00 | 13.31 0.00 0.00 | 8.40 -0.01 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 11.39 -0.06 -0.04 | 8.35 -0.04 -0.20 | 9.24 -0.07 0.00 | 11.43 -0.09 0.00 | 7.62 -0.07 -0.08 | 5.47 -0.04 -0.16 | 12.09 -0.09 0.00 | 13.56 -0.09 0.00 | 12.37 -0.04 0.00 | 9.14 -0.01 0.00 | 7.09 -0.01 0.00 | 8.70 -0.01 0.00 | 10.06 -0.02 0.00 | 5.84 -0.02 0.00 | 3.26 -0.01 -0.22 | 5.82 -0.02 -0.25 | 13.52 0.00 -0.02 | 14.21 0.03 0.00 | 17.08 0.04 -0.22 | 16.37 0.07 -0.52 | 24.51 0.06 0.00 | 17.33 -0.01 0.00 | 13.26 -0.04 0.00 | 8.38 -0.03 0.00 |
| HAMPSHIRE___PAPER_HYD 323593 | 11.46 0.04 -0.01 | 8.22 -0.02 -0.05 | 9.25 -0.06 0.00 | 11.49 -0.02 0.00 | 7.54 -0.09 -0.02 | 5.30 -0.09 -0.04 | 11.97 -0.21 0.00 | 13.40 -0.26 0.00 | 12.18 -0.24 -0.01 | 9.24 -0.18 -0.27 | 6.92 -0.18 0.00 | 8.42 -0.28 0.00 | 9.74 -0.34 0.00 | 5.65 -0.22 0.00 | 3.24 -0.11 -0.29 | 7.87 -0.19 -2.48 | 16.63 -0.44 -3.57 | 17.70 -0.34 -3.87 | 20.64 -0.35 -4.17 | 19.46 -0.41 -4.09 | 25.45 -0.60 -1.60 | 20.50 -0.34 -3.50 | 13.09 -0.25 -0.03 | 8.23 -0.18 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 11.52 0.11 0.00 | 8.23 0.04 0.00 | 9.33 0.02 0.00 | 11.55 0.03 0.00 | 7.64 0.03 0.00 | 5.38 0.03 0.00 | 12.23 0.05 0.00 | 13.70 0.05 0.00 | 12.40 -0.01 0.00 | 9.18 0.03 0.00 | 7.12 0.03 0.00 | 8.69 -0.01 0.00 | 10.05 -0.03 0.00 | 5.82 -0.04 0.00 | 3.01 -0.04 0.00 | 5.55 -0.04 0.00 | 13.40 -0.10 0.00 | 14.29 0.12 0.00 | 17.10 0.29 0.00 | 16.05 0.27 0.00 | 24.63 0.17 0.00 | 17.31 -0.04 0.00 | 13.32 0.02 0.00 | 8.41 0.00 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 12.37 0.63 -0.33 | 10.30 0.48 -1.64 | 9.81 0.49 0.00 | 12.10 0.58 0.00 | 8.62 0.40 -0.61 | 6.89 0.27 -1.27 | 12.80 0.62 0.00 | 14.33 0.67 0.00 | 13.08 0.67 0.00 | 9.63 0.48 0.00 | 5.29 0.41 2.22 | 8.17 0.51 1.04 | 10.68 0.59 0.00 | 0.28 0.38 5.96 | 4.98 0.20 -1.73 | 8.94 0.36 -2.99 | 14.51 0.83 -0.18 | 15.08 0.91 0.00 | 19.65 1.08 -1.76 | 21.05 1.09 -4.19 | 26.04 1.59 0.00 | 18.43 1.09 0.00 | 14.11 0.81 0.00 | 8.91 0.50 0.00 |

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| HARSNRAD_115KV_TB1 81005 | 10.87 -0.59 -0.06 | 7.95 -0.52 -0.28 | 8.62 -0.69 0.00 | 10.68 -0.84 0.00 | 7.15 -0.56 -0.10 | 5.17 -0.39 -0.22 | 11.37 -0.81 0.00 | 12.79 -0.86 0.00 | 11.85 -0.55 0.00 | 8.91 -0.24 0.00 | 6.86 -0.24 0.00 | 8.41 -0.29 0.00 | 9.73 -0.36 0.00 | 5.52 -0.34 0.00 | 3.19 -0.16 -0.30 | 5.53 -0.36 -0.30 | 12.71 -0.82 -0.03 | 13.29 -0.89 0.00 | 15.98 -1.14 -0.30 | 15.59 -0.90 -0.72 | 19.29 -1.61 3.56 | 12.97 -1.14 3.23 | 11.44 -0.89 0.96 | 7.88 -0.53 0.00 |
| HARZA MOOSE__RIVER 24016 | 11.57 0.15 -0.02 | 8.36 0.09 -0.07 | 9.38 0.07 0.00 | 11.62 0.10 0.00 | 7.65 0.02 -0.03 | 5.39 -0.02 -0.05 | 12.13 -0.05 0.00 | 13.56 -0.09 0.00 | 12.39 -0.02 0.00 | 9.19 -0.04 -0.08 | 7.04 -0.06 0.00 | 8.57 -0.14 0.00 | 9.92 -0.17 0.00 | 5.75 -0.12 0.00 | 3.14 -0.06 -0.14 | 6.27 -0.11 -0.79 | 14.34 -0.20 -1.04 | 15.22 -0.08 -1.12 | 18.04 -0.04 -1.27 | 17.02 -0.08 -1.33 | 24.79 -0.13 -0.46 | 18.32 -0.03 -1.01 | 13.27 -0.04 -0.01 | 8.34 -0.07 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 11.32 -0.12 -0.04 | 8.27 -0.09 -0.17 | 9.18 -0.13 0.00 | 11.36 -0.16 0.00 | 7.57 -0.10 -0.06 | 5.41 -0.08 -0.13 | 12.02 -0.16 0.00 | 13.48 -0.17 0.00 | 12.28 -0.12 0.00 | 9.08 -0.07 0.00 | 7.04 -0.06 0.00 | 8.64 -0.06 0.00 | 10.00 -0.08 0.00 | 5.80 -0.06 0.00 | 3.21 -0.03 -0.18 | 5.75 -0.06 -0.21 | 13.42 -0.10 -0.02 | 14.10 -0.08 0.00 | 16.91 -0.10 -0.19 | 16.18 -0.04 -0.44 | 24.33 -0.12 0.00 | 17.20 -0.14 0.00 | 13.18 -0.12 0.00 | 8.32 -0.08 0.00 |
| HELLGATE_13_KV_LD 55870 | 12.58 0.79 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.25 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.75 0.60 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.82 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.67 0.96 -0.21 | 15.20 1.02 0.00 | 20.00 1.15 -2.03 | 21.83 1.22 -4.84 | 26.21 1.75 0.00 | 18.57 1.22 0.00 | 14.25 0.96 0.00 | 9.01 0.61 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 12.58 0.79 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.25 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.75 0.60 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.82 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.67 0.96 -0.21 | 15.20 1.02 0.00 | 20.00 1.15 -2.03 | 21.83 1.22 -4.84 | 26.21 1.75 0.00 | 18.57 1.22 0.00 | 14.25 0.96 0.00 | 9.01 0.61 0.00 |
| HEMPSTEAD____ 23647 | 12.54 0.75 -0.39 | 10.65 0.57 -1.89 | 9.89 0.58 0.00 | 12.20 0.68 0.00 | 8.79 0.47 -0.71 | 7.12 0.31 -1.46 | 12.86 0.69 0.00 | 14.37 0.72 0.00 | 13.13 0.73 0.00 | 9.66 0.51 0.00 | 9.53 0.48 -1.95 | 10.18 0.56 -0.91 | 10.75 0.67 0.00 | 11.58 0.47 -5.25 | 5.31 0.26 -2.00 | 9.14 0.45 -3.10 | 14.69 0.98 -0.21 | 15.20 1.03 0.00 | 20.05 1.21 -2.03 | 21.78 1.17 -4.84 | 26.15 1.70 0.00 | 18.59 1.25 0.00 | 14.27 0.97 0.00 | 9.04 0.63 0.00 |
| HEWLETT__69_KV_BK3 55828 | 12.60 0.81 -0.39 | 10.73 0.65 -1.89 | 9.98 0.67 0.00 | 12.31 0.79 0.00 | 8.86 0.54 -0.71 | 7.17 0.36 -1.46 | 12.98 0.80 0.00 | 14.49 0.84 0.00 | 13.25 0.85 0.00 | 9.74 0.59 0.00 | 9.60 0.55 -1.95 | 10.26 0.64 -0.91 | 10.86 0.78 0.00 | 11.64 0.53 -5.25 | 5.34 0.29 -2.00 | 9.19 0.50 -3.10 | 14.81 1.09 -0.21 | 15.31 1.14 0.00 | 20.16 1.32 -2.03 | 21.88 1.27 -4.84 | 26.29 1.84 0.00 | 18.71 1.37 0.00 | 14.42 1.12 0.00 | 9.12 0.71 0.00 |
| HICKLING__1 23621 | 11.37 -0.13 -0.09 | 8.57 -0.08 -0.47 | 9.20 -0.11 0.00 | 11.35 -0.17 0.00 | 7.69 -0.09 -0.17 | 5.63 -0.08 -0.36 | 12.02 -0.15 0.00 | 13.51 -0.15 0.00 | 12.31 -0.10 0.00 | 9.14 -0.01 0.00 | 7.09 -0.01 0.00 | 8.69 -0.01 0.00 | 10.05 -0.04 0.00 | 5.79 -0.07 0.00 | 3.51 -0.03 -0.49 | 6.10 -0.08 -0.59 | 13.40 -0.15 -0.05 | 14.04 -0.13 0.00 | 17.08 -0.24 -0.51 | 16.98 0.02 -1.19 | 25.98 -0.04 -1.57 | 18.59 -0.18 -1.42 | 13.65 -0.07 -0.42 | 8.39 -0.02 0.00 |
| HICKLING__2 23622 | 11.37 -0.13 -0.09 | 8.57 -0.08 -0.47 | 9.20 -0.11 0.00 | 11.35 -0.17 0.00 | 7.69 -0.09 -0.17 | 5.63 -0.08 -0.36 | 12.02 -0.15 0.00 | 13.51 -0.15 0.00 | 12.31 -0.10 0.00 | 9.14 -0.01 0.00 | 7.09 -0.01 0.00 | 8.69 -0.01 0.00 | 10.05 -0.04 0.00 | 5.79 -0.07 0.00 | 3.51 -0.03 -0.49 | 6.10 -0.08 -0.59 | 13.40 -0.15 -0.05 | 14.04 -0.13 0.00 | 17.08 -0.24 -0.51 | 16.98 0.02 -1.19 | 25.98 -0.04 -1.57 | 18.59 -0.18 -1.42 | 13.65 -0.07 -0.42 | 8.39 -0.02 0.00 |
| HIGH FALLS__HY 23754 | 12.53 0.73 -0.38 | 10.62 0.55 -1.88 | 9.89 0.57 0.00 | 12.21 0.69 0.00 | 8.78 0.46 -0.71 | 7.13 0.33 -1.45 | 12.92 0.74 0.00 | 14.48 0.82 0.00 | 13.20 0.79 0.00 | 9.71 0.56 0.00 | 7.57 0.47 0.00 | 9.30 0.59 0.00 | 10.76 0.67 0.00 | 6.29 0.43 0.00 | 5.26 0.22 -1.99 | 8.71 0.38 -2.74 | 14.62 0.91 -0.21 | 15.22 1.05 0.00 | 20.12 1.28 -2.02 | 21.88 1.30 -4.81 | 26.36 1.90 0.00 | 18.65 1.30 0.00 | 14.27 0.97 0.00 | 9.01 0.60 0.00 |
| HILLBURN__GT 23639 | 12.37 0.62 -0.34 | 10.34 0.48 -1.68 | 9.80 0.48 0.00 | 12.09 0.57 0.00 | 8.63 0.39 -0.63 | 6.92 0.27 -1.30 | 12.78 0.60 0.00 | 14.31 0.66 0.00 | 13.06 0.66 0.00 | 9.63 0.47 0.00 | 5.09 0.40 2.41 | 8.08 0.50 1.13 | 10.67 0.59 0.00 | -0.25 0.39 6.49 | 5.03 0.20 -1.78 | 9.10 0.36 -3.15 | 14.51 0.82 -0.19 | 15.06 0.89 0.00 | 19.67 1.04 -1.81 | 21.14 1.06 -4.30 | 26.00 1.54 0.00 | 18.40 1.06 0.00 | 14.10 0.79 0.00 | 8.91 0.50 0.00 |
| HILLSIDE_115KV_TB1 80332 | 11.35 -0.16 -0.10 | 8.57 -0.10 -0.48 | 9.18 -0.13 0.00 | 11.34 -0.18 0.00 | 7.68 -0.11 -0.18 | 5.64 -0.09 -0.37 | 12.01 -0.17 0.00 | 13.48 -0.17 0.00 | 12.28 -0.13 0.00 | 9.11 -0.04 0.00 | 7.08 -0.03 0.00 | 8.68 -0.02 0.00 | 10.04 -0.05 0.00 | 5.79 -0.07 0.00 | 3.53 -0.03 -0.51 | 6.13 -0.07 -0.61 | 13.43 -0.13 -0.05 | 14.04 -0.13 0.00 | 17.07 -0.27 -0.53 | 16.99 -0.02 -1.24 | 25.75 -0.08 -1.38 | 18.38 -0.21 -1.25 | 13.57 -0.10 -0.37 | 8.36 -0.05 0.00 |
| HISHELDN_WT_PWR 323625 | 10.90 -0.57 -0.07 | 8.07 -0.45 -0.33 | 8.71 -0.61 0.00 | 10.76 -0.76 0.00 | 7.23 -0.51 -0.12 | 5.24 -0.36 -0.26 | 11.42 -0.75 0.00 | 12.82 -0.83 0.00 | 11.82 -0.58 0.00 | 8.85 -0.30 0.00 | 6.83 -0.27 0.00 | 8.36 -0.34 0.00 | 9.64 -0.45 0.00 | 5.48 -0.38 0.00 | 3.22 -0.18 -0.35 | 5.48 -0.38 -0.27 | 12.66 -0.87 -0.04 | 13.28 -0.89 0.00 | 16.01 -1.18 -0.37 | 15.74 -0.88 -0.85 | 12.18 -1.43 10.85 | 6.46 -1.05 9.83 | 9.61 -0.75 2.94 | 7.98 -0.43 0.00 |
| HOLTSVILLE_IC_1 23690 | 12.74 0.94 -0.39 | 10.78 0.70 -1.89 | 10.03 0.72 0.00 | 12.36 0.84 0.00 | 8.89 0.57 -0.71 | 7.19 0.37 -1.46 | 13.03 0.85 0.00 | 14.54 0.88 0.00 | 13.29 0.88 0.00 | 9.75 0.60 0.00 | 9.59 0.54 -1.95 | 10.22 0.60 -0.91 | 10.78 0.69 0.00 | 11.61 0.51 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.83 1.11 -0.21 | 15.38 1.20 0.00 | 20.30 1.46 -2.03 | 21.98 1.37 -4.84 | 26.42 1.96 0.00 | 18.80 1.45 0.00 | 14.44 1.14 0.00 | 9.17 0.76 0.00 |
| HOLTSVILLE_IC_10 23699 | 12.78 0.99 -0.39 | 10.81 0.73 -1.89 | 10.07 0.75 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.07 0.89 0.00 | 14.59 0.94 0.00 | 13.33 0.93 0.00 | 9.78 0.63 0.00 | 9.61 0.56 -1.95 | 10.24 0.63 -0.91 | 10.80 0.72 0.00 | 11.64 0.53 -5.25 | 5.36 0.31 -2.00 | 9.23 0.54 -3.10 | 14.89 1.18 -0.21 | 15.45 1.27 0.00 | 20.39 1.55 -2.03 | 22.07 1.46 -4.84 | 26.55 2.09 0.00 | 18.88 1.54 0.00 | 14.51 1.21 0.00 | 9.21 0.79 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-----------------------|
| HOLTSVILLE_IC_2 23691 | 12.74 0.94 -0.39 | 10.78 0.70 -1.89 | 10.03 0.72 0.00 | 12.36 0.84 0.00 | 8.89 0.57 -0.71 | 7.19 0.37 -1.46 | 13.03 0.85 0.00 | 14.54 0.88 0.00 | 13.29 0.88 0.00 | 9.75 0.60 0.00 | 9.59 0.54 -1.95 | 10.22 0.60 -0.91 | 10.78 0.69 0.00 | 11.61 0.51 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.83 1.11 -0.21 | 15.38 1.20 0.00 | 20.30 1.46 -2.03 | 21.98 1.37 -4.84 | 26.42 1.96 0.00 | 18.80 1.45 0.00 | 14.44 1.14 0.00 | 9.17 0.76 0.00 |
| HOLTSVILLE_IC_3 23692 | 12.74 0.94 -0.39 | 10.78 0.70 -1.89 | 10.03 0.72 0.00 | 12.36 0.84 0.00 | 8.89 0.57 -0.71 | 7.19 0.37 -1.46 | 13.03 0.85 0.00 | 14.54 0.88 0.00 | 13.29 0.88 0.00 | 9.75 0.60 0.00 | 9.59 0.54 -1.95 | 10.22 0.60 -0.91 | 10.78 0.69 0.00 | 11.61 0.51 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.83 1.11 -0.21 | 15.38 1.20 0.00 | 20.30 1.46 -2.03 | 21.98 1.37 -4.84 | 26.42 1.96 0.00 | 18.80 1.45 0.00 | 14.44 1.14 0.00 | 9.17 0.76 0.00 |
| HOLTSVILLE_IC_4 23693 | 12.74 0.94 -0.39 | 10.78 0.70 -1.89 | 10.03 0.72 0.00 | 12.36 0.84 0.00 | 8.89 0.57 -0.71 | 7.19 0.37 -1.46 | 13.03 0.85 0.00 | 14.54 0.88 0.00 | 13.29 0.88 0.00 | 9.75 0.60 0.00 | 9.59 0.54 -1.95 | 10.22 0.60 -0.91 | 10.78 0.69 0.00 | 11.61 0.51 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.83 1.11 -0.21 | 15.38 1.20 0.00 | 20.30 1.46 -2.03 | 21.98 1.37 -4.84 | 26.42 1.96 0.00 | 18.80 1.45 0.00 | 14.44 1.14 0.00 | 9.17 0.76 0.00 |
| HOLTSVILLE_IC_5 23694 | 12.74 0.94 -0.39 | 10.78 0.70 -1.89 | 10.03 0.72 0.00 | 12.36 0.84 0.00 | 8.89 0.57 -0.71 | 7.19 0.37 -1.46 | 13.03 0.85 0.00 | 14.54 0.88 0.00 | 13.29 0.88 0.00 | 9.75 0.60 0.00 | 9.59 0.54 -1.95 | 10.22 0.60 -0.91 | 10.78 0.69 0.00 | 11.61 0.51 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.83 1.11 -0.21 | 15.38 1.20 0.00 | 20.30 1.46 -2.03 | 21.98 1.37 -4.84 | 26.42 1.96 0.00 | 18.80 1.45 0.00 | 14.44 1.14 0.00 | 9.17 0.76 0.00 |
| HOLTSVILLE_IC_6 23695 | 12.78 0.99 -0.39 | 10.81 0.73 -1.89 | 10.07 0.75 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.07 0.89 0.00 | 14.59 0.94 0.00 | 13.33 0.93 0.00 | 9.78 0.63 0.00 | 9.61 0.56 -1.95 | 10.24 0.63 -0.91 | 10.80 0.72 0.00 | 11.64 0.53 -5.25 | 5.36 0.31 -2.00 | 9.23 0.54 -3.10 | 14.89 1.18 -0.21 | 15.45 1.27 0.00 | 20.39 1.55 -2.03 | 22.07 1.46 -4.84 | 26.55 2.09 0.00 | 18.88 1.54 0.00 | 14.51 1.21 0.00 | 9.21 0.79 0.00 |
| HOLTSVILLE_IC_7 23696 | 12.78 0.99 -0.39 | 10.81 0.73 -1.89 | 10.07 0.75 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.07 0.89 0.00 | 14.59 0.94 0.00 | 13.33 0.93 0.00 | 9.78 0.63 0.00 | 9.61 0.56 -1.95 | 10.24 0.63 -0.91 | 10.80 0.72 0.00 | 11.64 0.53 -5.25 | 5.36 0.31 -2.00 | 9.23 0.54 -3.10 | 14.89 1.18 -0.21 | 15.45 1.27 0.00 | 20.39 1.55 -2.03 | 22.07 1.46 -4.84 | 26.55 2.09 0.00 | 18.88 1.54 0.00 | 14.51 1.21 0.00 | 9.21 0.79 0.00 |
| HOLTSVILLE_IC_8 23697 | 12.78 0.99 -0.39 | 10.81 0.73 -1.89 | 10.07 0.75 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.07 0.89 0.00 | 14.59 0.94 0.00 | 13.33 0.93 0.00 | 9.78 0.63 0.00 | 9.61 0.56 -1.95 | 10.24 0.63 -0.91 | 10.80 0.72 0.00 | 11.64 0.53 -5.25 | 5.36 0.31 -2.00 | 9.23 0.54 -3.10 | 14.89 1.18 -0.21 | 15.45 1.27 0.00 | 20.39 1.55 -2.03 | 22.07 1.46 -4.84 | 26.55 2.09 0.00 | 18.88 1.54 0.00 | 14.51 1.21 0.00 | 9.21 0.79 0.00 |
| HOLTSVILLE_IC_9 23698 | 12.78 0.99 -0.39 | 10.81 0.73 -1.89 | 10.07 0.75 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.07 0.89 0.00 | 14.59 0.94 0.00 | 13.33 0.93 0.00 | 9.78 0.63 0.00 | 9.61 0.56 -1.95 | 10.24 0.63 -0.91 | 10.80 0.72 0.00 | 11.64 0.53 -5.25 | 5.36 0.31 -2.00 | 9.23 0.54 -3.10 | 14.89 1.18 -0.21 | 15.45 1.27 0.00 | 20.39 1.55 -2.03 | 22.07 1.46 -4.84 | 26.55 2.09 0.00 | 18.88 1.54 0.00 | 14.51 1.21 0.00 | 9.21 0.79 0.00 |
| HOMER_HL_115KV_TB2 355744 | 11.32 -0.16 -0.07 | 8.40 -0.13 -0.34 | 9.10 -0.21 0.00 | 11.27 -0.24 0.00 | 7.57 -0.16 -0.13 | 5.49 -0.12 -0.26 | 11.99 -0.18 0.00 | 13.49 -0.17 0.00 | 12.42 0.02 0.00 | 9.29 0.14 0.00 | 7.18 0.08 0.00 | 8.81 0.10 0.00 | 10.18 0.09 0.00 | 5.80 -0.06 0.00 | 3.40 -0.01 -0.36 | 5.90 -0.09 -0.40 | 13.43 -0.11 -0.04 | 14.01 -0.16 0.00 | 16.89 -0.30 -0.37 | 16.55 -0.11 -0.88 | 22.77 -0.16 1.53 | 15.73 -0.23 1.38 | 12.74 -0.15 0.41 | 8.35 -0.06 0.00 |
| HOWARD_WT_PWR 323690 | 10.79 -0.69 -0.08 | 8.23 -0.34 -0.39 | 8.76 -0.55 0.00 | 10.83 -0.69 0.00 | 7.40 -0.36 -0.14 | 5.26 -0.39 -0.30 | 11.35 -0.83 0.00 | 12.78 -0.88 0.00 | 11.67 -0.73 0.00 | 8.70 -0.45 0.00 | 6.70 -0.40 0.00 | 8.18 -0.53 0.00 | 9.41 -0.68 0.00 | 5.39 -0.47 0.00 | 3.24 -0.23 -0.41 | 5.76 -0.45 -0.62 | 12.25 -1.30 -0.04 | 12.71 -1.47 0.00 | 15.71 -1.54 -0.43 | 15.51 -1.29 -1.02 | 34.04 -1.66 -11.24 | 26.44 -1.10 -10.20 | 15.74 -0.61 -3.04 | 8.17 -0.24 0.00 |
| HQ_GEN_CEDARS 23644 | 11.42 0.01 0.00 | 8.15 -0.03 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.59 -0.02 0.00 | 5.35 0.00 0.00 | 12.17 0.00 0.00 | 13.67 0.02 0.00 | 12.35 -0.06 0.00 | 9.26 -0.02 -0.13 | 7.05 -0.05 0.00 | 8.63 -0.07 0.00 | 10.01 -0.08 0.00 | 5.81 -0.05 0.00 | 3.14 -0.02 -0.11 | 6.75 -0.04 -1.20 | 15.17 -0.10 -1.77 | 15.95 -0.15 -1.92 | 18.70 -0.16 -2.04 | 17.52 -0.21 -1.97 | 24.99 -0.26 -0.79 | 18.97 -0.11 -1.74 | 13.24 -0.08 -0.02 | 8.39 -0.02 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 11.42 0.01 0.00 | 8.15 -0.03 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.59 -0.02 0.00 | 5.35 0.00 0.00 | 12.17 -0.01 0.00 | 13.67 0.02 0.00 | 12.35 -0.06 0.00 | 9.26 -0.02 -0.13 | 7.05 -0.05 0.00 | 8.63 -0.07 0.00 | 10.01 -0.08 0.00 | 5.81 -0.05 0.00 | 3.14 -0.02 -0.11 | 6.75 -0.04 -1.20 | 15.31 -0.11 -1.91 | 15.95 -0.15 -1.92 | 18.70 -0.16 -2.04 | 17.53 -0.21 -1.97 | 24.99 -0.26 -0.79 | 18.97 -0.11 -1.74 | 13.24 -0.07 -0.02 | 8.39 -0.02 0.00 |
| HQ_GEN_IMPORT 323601 | 11.35 -0.05 0.00 | 8.13 -0.06 0.00 | 9.28 -0.03 0.00 | 11.48 -0.04 0.00 | 7.58 -0.03 0.00 | 5.34 -0.01 0.00 | 12.14 -0.04 0.00 | 13.63 -0.02 0.00 | 12.35 -0.05 0.00 | 9.12 -0.04 0.00 | 7.06 -0.04 0.00 | 8.65 -0.05 0.00 | 10.03 -0.05 0.00 | 5.83 -0.04 0.00 | 3.04 -0.02 0.00 | 5.56 -0.03 0.00 | 13.42 -0.08 0.00 | 14.05 -0.13 0.00 | 16.67 -0.15 0.00 | 15.59 -0.18 0.00 | 24.24 -0.22 0.00 | 17.24 -0.10 0.00 | 13.23 -0.06 0.00 | 8.38 -0.03 0.00 |
| HQ_GEN_WHEEL 23651 | 11.35 -0.05 0.00 | 8.13 -0.06 0.00 | 9.28 -0.03 0.00 | 11.48 -0.04 0.00 | 7.58 -0.03 0.00 | 5.34 -0.01 0.00 | 12.14 -0.04 0.00 | 13.63 -0.02 0.00 | 12.35 -0.05 0.00 | 9.12 -0.04 0.00 | 7.06 -0.04 0.00 | 8.65 -0.05 0.00 | 10.03 -0.05 0.00 | 5.83 -0.04 0.00 | 3.04 -0.02 0.00 | 5.56 -0.03 0.00 | 13.42 -0.08 0.00 | 14.05 -0.13 0.00 | 16.67 -0.15 0.00 | 15.59 -0.18 0.00 | 24.24 -0.22 0.00 | 17.24 -0.10 0.00 | 13.23 -0.06 0.00 | 8.38 -0.03 0.00 |
| HUDSON_AVE_GT_3 23810 | 12.57 0.77 -0.39 | 10.66 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.72 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.92 0.75 0.00 | 14.45 0.79 0.00 | 13.22 0.82 0.00 | 9.75 0.59 0.00 | 9.56 0.50 -1.95 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.69 0.98 -0.21 | 15.21 1.04 0.00 | 20.03 1.19 -2.03 | 21.83 1.22 -4.84 | 26.21 1.75 0.00 | 18.56 1.22 0.00 | 14.25 0.96 0.00 | 9.01 0.60 0.00 |

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| HUDSON AVE_GT_4 23540 | 12.57 0.77 -0.39 | 10.66 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.72 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.92 0.75 0.00 | 14.45 0.79 0.00 | 13.22 0.82 0.00 | 9.75 0.59 0.00 | 9.56 0.50 -1.95 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.69 0.98 -0.21 | 15.21 1.04 0.00 | 20.03 1.19 -2.03 | 21.83 1.22 -4.84 | 26.21 1.75 0.00 | 18.56 1.22 0.00 | 14.25 0.96 0.00 | 9.01 0.60 0.00 |
| HUDSON AVE_GT_5 23657 | 12.57 0.77 -0.39 | 10.66 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.72 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.92 0.75 0.00 | 14.45 0.79 0.00 | 13.22 0.82 0.00 | 9.75 0.59 0.00 | 9.56 0.50 -1.95 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.69 0.98 -0.21 | 15.21 1.04 0.00 | 20.03 1.19 -2.03 | 21.83 1.22 -4.84 | 26.21 1.75 0.00 | 18.56 1.22 0.00 | 14.25 0.96 0.00 | 9.01 0.60 0.00 |
| HUDSON_AVE_10 24168 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.93 0.62 0.00 | 12.25 0.73 0.00 | 8.82 0.50 -0.71 | 7.15 0.34 -1.46 | 12.94 0.76 0.00 | 14.46 0.81 0.00 | 13.23 0.83 0.00 | 9.75 0.60 0.00 | 9.55 0.50 -1.95 | 10.25 0.63 -0.92 | 10.82 0.73 0.00 | 11.60 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.69 0.98 -0.21 | 15.20 1.03 0.00 | 20.02 1.17 -2.03 | 21.81 1.20 -4.84 | 26.17 1.72 0.00 | 18.55 1.21 0.00 | 14.26 0.96 0.00 | 9.01 0.61 0.00 |
| HUDSON___115KV_TB 4 355613 | 12.26 0.37 -0.48 | 10.83 0.28 -2.37 | 9.60 0.29 0.00 | 11.89 0.37 0.00 | 8.76 0.26 -0.89 | 7.36 0.18 -1.83 | 12.58 0.40 0.00 | 14.05 0.40 0.00 | 12.78 0.38 0.00 | 9.39 0.24 0.00 | 7.95 0.18 -0.67 | 9.24 0.22 -0.31 | 10.32 0.24 0.00 | 7.81 0.16 -1.79 | 5.64 0.09 -2.50 | 9.03 0.17 -3.28 | 14.18 0.41 -0.26 | 14.68 0.50 0.00 | 20.03 0.67 -2.54 | 22.46 0.64 -6.05 | 25.38 0.92 0.00 | 17.89 0.55 0.00 | 13.71 0.41 0.00 | 8.66 0.24 0.00 |
| HUNTER MOUNT___DRP 323613 | 12.29 0.41 -0.47 | 10.78 0.31 -2.29 | 9.63 0.32 0.00 | 11.93 0.41 0.00 | 8.76 0.29 -0.86 | 7.32 0.21 -1.77 | 12.63 0.46 0.00 | 14.12 0.47 0.00 | 12.83 0.43 0.00 | 9.41 0.26 0.00 | 7.88 0.19 -0.59 | 9.21 0.23 -0.28 | 10.33 0.25 0.00 | 7.61 0.16 -1.58 | 5.56 0.09 -2.42 | 8.98 0.18 -3.21 | 14.20 0.45 -0.26 | 14.73 0.56 0.00 | 20.05 0.77 -2.46 | 22.35 0.72 -5.86 | 25.50 1.04 0.00 | 17.96 0.62 0.00 | 13.76 0.46 0.00 | 8.68 0.27 0.00 |
| HUNTINGTON_RES_REC 323705 | 12.66 0.87 -0.39 | 10.73 0.65 -1.89 | 9.98 0.67 0.00 | 12.29 0.78 0.00 | 8.85 0.53 -0.71 | 7.16 0.35 -1.46 | 12.95 0.77 0.00 | 14.45 0.80 0.00 | 13.20 0.80 0.00 | 9.69 0.54 0.00 | 9.56 0.51 -1.95 | 10.19 0.57 -0.91 | 10.74 0.65 0.00 | 11.59 0.48 -5.25 | 5.34 0.29 -2.00 | 9.18 0.49 -3.10 | 14.75 1.04 -0.21 | 15.28 1.11 0.00 | 20.19 1.34 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.69 1.35 0.00 | 14.37 1.07 0.00 | 9.12 0.71 0.00 |
| HUNTLEY___63 23557 | 10.97 -0.50 -0.06 | 8.02 -0.46 -0.29 | 8.69 -0.62 0.00 | 10.76 -0.76 0.00 | 7.21 -0.51 -0.11 | 5.22 -0.36 -0.22 | 11.45 -0.73 0.00 | 12.88 -0.78 0.00 | 11.94 -0.46 0.00 | 8.98 -0.18 0.00 | 6.91 -0.19 0.00 | 8.48 -0.22 0.00 | 9.82 -0.27 0.00 | 5.57 -0.29 0.00 | 3.22 -0.14 -0.31 | 5.58 -0.32 -0.31 | 12.82 -0.72 -0.03 | 13.39 -0.78 0.00 | 16.10 -1.03 -0.32 | 15.71 -0.81 -0.75 | 19.20 -1.41 3.85 | 12.86 -0.99 3.49 | 11.45 -0.81 1.04 | 7.94 -0.47 0.00 |
| HUNTLEY___64 23558 | 10.97 -0.50 -0.06 | 8.02 -0.46 -0.29 | 8.69 -0.62 0.00 | 10.76 -0.76 0.00 | 7.21 -0.51 -0.11 | 5.22 -0.36 -0.22 | 11.45 -0.73 0.00 | 12.88 -0.78 0.00 | 11.94 -0.46 0.00 | 8.98 -0.18 0.00 | 6.91 -0.19 0.00 | 8.48 -0.22 0.00 | 9.82 -0.27 0.00 | 5.57 -0.29 0.00 | 3.22 -0.14 -0.31 | 5.58 -0.32 -0.31 | 12.82 -0.72 -0.03 | 13.39 -0.78 0.00 | 16.10 -1.03 -0.32 | 15.71 -0.81 -0.75 | 19.20 -1.41 3.85 | 12.86 -0.99 3.49 | 11.45 -0.81 1.04 | 7.94 -0.47 0.00 |
| HUNTLEY___65 23559 | 10.97 -0.50 -0.06 | 8.02 -0.46 -0.29 | 8.69 -0.62 0.00 | 10.76 -0.76 0.00 | 7.21 -0.51 -0.11 | 5.22 -0.36 -0.22 | 11.45 -0.73 0.00 | 12.88 -0.78 0.00 | 11.94 -0.46 0.00 | 8.98 -0.18 0.00 | 6.91 -0.19 0.00 | 8.48 -0.22 0.00 | 9.82 -0.27 0.00 | 5.57 -0.29 0.00 | 3.22 -0.14 -0.31 | 5.58 -0.32 -0.31 | 12.82 -0.72 -0.03 | 13.39 -0.78 0.00 | 16.10 -1.03 -0.32 | 15.71 -0.81 -0.75 | 19.20 -1.41 3.85 | 12.86 -0.99 3.49 | 11.45 -0.81 1.04 | 7.94 -0.47 0.00 |
| HUNTLEY___66 23560 | 10.97 -0.50 -0.06 | 8.02 -0.46 -0.29 | 8.69 -0.62 0.00 | 10.76 -0.76 0.00 | 7.21 -0.51 -0.11 | 5.22 -0.36 -0.22 | 11.45 -0.73 0.00 | 12.88 -0.78 0.00 | 11.94 -0.46 0.00 | 8.98 -0.18 0.00 | 6.91 -0.19 0.00 | 8.48 -0.22 0.00 | 9.82 -0.27 0.00 | 5.57 -0.29 0.00 | 3.22 -0.14 -0.31 | 5.58 -0.32 -0.31 | 12.82 -0.72 -0.03 | 13.39 -0.78 0.00 | 16.10 -1.03 -0.32 | 15.71 -0.81 -0.75 | 19.20 -1.41 3.85 | 12.86 -0.99 3.49 | 11.45 -0.81 1.04 | 7.94 -0.47 0.00 |
| HUNTLEY___67 23561 | 10.92 -0.55 -0.06 | 8.00 -0.49 -0.30 | 8.66 -0.66 0.00 | 10.72 -0.80 0.00 | 7.18 -0.54 -0.11 | 5.20 -0.38 -0.23 | 11.40 -0.78 0.00 | 12.82 -0.83 0.00 | 11.87 -0.53 0.00 | 8.92 -0.23 0.00 | 6.88 -0.22 0.00 | 8.44 -0.27 0.00 | 9.76 -0.32 0.00 | 5.55 -0.32 0.00 | 3.21 -0.15 -0.32 | 5.56 -0.34 -0.31 | 12.77 -0.77 -0.03 | 13.34 -0.83 0.00 | 16.07 -1.08 -0.33 | 15.69 -0.85 -0.76 | 18.55 -1.48 4.42 | 12.25 -1.09 4.01 | 11.26 -0.84 1.20 | 7.92 -0.49 0.00 |
| HUNTLEY___68 23562 | 10.92 -0.55 -0.06 | 8.00 -0.49 -0.30 | 8.66 -0.66 0.00 | 10.72 -0.80 0.00 | 7.18 -0.54 -0.11 | 5.20 -0.38 -0.23 | 11.40 -0.78 0.00 | 12.82 -0.83 0.00 | 11.87 -0.53 0.00 | 8.92 -0.23 0.00 | 6.88 -0.22 0.00 | 8.44 -0.27 0.00 | 9.76 -0.32 0.00 | 5.55 -0.32 0.00 | 3.21 -0.15 -0.32 | 5.56 -0.34 -0.31 | 12.77 -0.77 -0.03 | 13.34 -0.83 0.00 | 16.07 -1.08 -0.33 | 15.69 -0.85 -0.76 | 18.55 -1.48 4.42 | 12.25 -1.09 4.01 | 11.26 -0.84 1.20 | 7.92 -0.49 0.00 |
| HYLAND___LFGE 323620 | 11.46 -0.01 -0.07 | 8.47 -0.03 -0.32 | 9.19 -0.12 0.00 | 11.36 -0.16 0.00 | 7.64 -0.09 -0.12 | 5.51 -0.08 -0.25 | 12.07 -0.11 0.00 | 13.60 -0.05 0.00 | 12.47 0.06 0.00 | 9.25 0.10 0.00 | 7.08 -0.02 0.00 | 8.69 -0.01 0.00 | 9.95 -0.13 0.00 | 5.68 -0.19 0.00 | 3.29 -0.10 -0.34 | 5.94 -0.20 -0.55 | 13.69 0.16 -0.02 | 14.77 0.59 0.00 | 17.93 0.88 -0.23 | 16.90 0.32 -0.81 | 37.46 0.32 -12.69 | 28.93 0.10 -11.49 | 16.80 0.07 -3.43 | 8.48 0.06 0.00 |
| INDECK___CORINTH 23802 | 12.48 0.57 -0.51 | 11.12 0.43 -2.50 | 9.76 0.45 0.00 | 12.04 0.52 0.00 | 8.90 0.35 -0.94 | 7.54 0.25 -1.93 | 12.73 0.55 0.00 | 14.39 0.73 0.00 | 13.11 0.71 0.00 | 9.66 0.50 0.00 | 8.23 0.41 -0.72 | 9.52 0.48 -0.34 | 10.60 0.51 0.00 | 8.09 0.29 -1.94 | 5.85 0.15 -2.64 | 9.29 0.30 -3.40 | 14.55 0.77 -0.28 | 15.07 0.89 0.00 | 20.58 1.08 -2.68 | 23.15 0.99 -6.39 | 25.88 1.42 0.00 | 18.21 0.87 0.00 | 13.94 0.64 0.00 | 8.78 0.37 0.00 |
| INDECK___ILION 23567 | 11.52 0.11 0.00 | 8.26 0.07 0.00 | 9.38 0.06 0.00 | 11.60 0.08 0.00 | 7.67 0.06 0.00 | 5.40 0.04 0.00 | 12.27 0.09 0.00 | 13.75 0.09 0.00 | 12.47 0.07 0.00 | 9.21 0.05 0.00 | 7.15 0.05 0.00 | 8.74 0.04 0.00 | 10.12 0.03 0.00 | 5.88 0.01 0.00 | 3.05 0.00 0.00 | 5.59 0.00 0.00 | 13.52 0.02 0.00 | 14.30 0.13 0.00 | 17.03 0.21 0.00 | 15.98 0.21 0.00 | 24.69 0.24 0.00 | 17.44 0.10 0.00 | 13.37 0.07 0.00 | 8.44 0.03 0.00 |

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| INDECK___OLEAN 23982 | 11.32 -0.16 -0.07 | 8.40 -0.13 -0.34 | 9.10 -0.21 0.00 | 11.27 -0.24 0.00 | 7.58 -0.16 -0.13 | 5.50 -0.12 -0.26 | 12.01 -0.17 0.00 | 13.49 -0.17 0.00 | 12.42 0.02 0.00 | 9.29 0.14 0.00 | 7.18 0.08 0.00 | 8.81 0.10 0.00 | 10.18 0.09 0.00 | 5.80 -0.06 0.00 | 3.40 -0.01 -0.36 | 5.91 -0.08 -0.40 | 13.43 -0.11 -0.04 | 14.02 -0.16 0.00 | 16.90 -0.30 -0.37 | 16.55 -0.10 -0.88 | 22.78 -0.15 1.53 | 15.75 -0.21 1.38 | 12.76 -0.13 0.41 | 8.35 -0.06 0.00 |
| INDECK___OSWEGO 23783 | 11.53 0.08 -0.03 | 8.40 0.05 -0.16 | 9.33 0.02 0.00 | 11.55 0.03 0.00 | 7.67 0.00 -0.06 | 5.46 -0.01 -0.12 | 12.17 -0.01 0.00 | 13.65 0.00 0.00 | 12.44 0.04 0.00 | 9.19 0.04 0.00 | 7.14 0.04 0.00 | 8.75 0.04 0.00 | 10.11 0.02 0.00 | 5.86 0.00 0.00 | 3.23 0.00 -0.17 | 5.79 0.01 -0.19 | 13.57 0.05 -0.02 | 14.32 0.15 0.00 | 17.20 0.21 -0.17 | 16.40 0.22 -0.41 | 24.73 0.27 0.00 | 17.47 0.13 0.00 | 13.38 0.08 0.00 | 8.44 0.03 0.00 |
| INDECK___YERKES 23781 | 10.98 -0.49 -0.06 | 8.03 -0.45 -0.29 | 8.69 -0.62 0.00 | 10.77 -0.75 0.00 | 7.21 -0.50 -0.11 | 5.23 -0.35 -0.22 | 11.48 -0.70 0.00 | 12.89 -0.76 0.00 | 11.95 -0.45 0.00 | 8.98 -0.17 0.00 | 6.92 -0.18 0.00 | 8.49 -0.22 0.00 | 9.83 -0.26 0.00 | 5.57 -0.29 0.00 | 3.22 -0.14 -0.31 | 5.59 -0.31 -0.31 | 12.83 -0.70 -0.03 | 13.42 -0.76 0.00 | 16.12 -1.01 -0.32 | 15.72 -0.80 -0.75 | 19.23 -1.38 3.85 | 12.89 -0.96 3.49 | 11.48 -0.78 1.04 | 7.95 -0.46 0.00 |
| INDIAN POINT_GT_1 24139 | 12.41 0.62 -0.37 | 10.51 0.48 -1.84 | 9.80 0.49 0.00 | 12.10 0.58 0.00 | 8.70 0.40 -0.69 | 7.04 0.27 -1.42 | 12.79 0.61 0.00 | 14.30 0.65 0.00 | 13.06 0.66 0.00 | 9.63 0.48 0.00 | 9.60 0.41 -2.09 | 10.19 0.51 -0.98 | 10.68 0.59 0.00 | 11.89 0.39 -5.63 | 5.20 0.20 -1.94 | 9.05 0.36 -3.09 | 14.52 0.81 -0.21 | 15.05 0.87 0.00 | 19.82 1.03 -1.97 | 21.52 1.05 -4.70 | 25.97 1.51 0.00 | 18.38 1.04 0.00 | 14.10 0.80 0.00 | 8.91 0.50 0.00 |
| INDIAN POINT_GT_2 23659 | 12.41 0.62 -0.37 | 10.51 0.48 -1.84 | 9.80 0.49 0.00 | 12.10 0.58 0.00 | 8.70 0.40 -0.69 | 7.04 0.27 -1.42 | 12.79 0.61 0.00 | 14.30 0.65 0.00 | 13.06 0.66 0.00 | 9.63 0.48 0.00 | 9.60 0.41 -2.09 | 10.19 0.51 -0.98 | 10.68 0.59 0.00 | 11.89 0.39 -5.63 | 5.20 0.20 -1.94 | 9.05 0.36 -3.09 | 14.52 0.81 -0.21 | 15.05 0.87 0.00 | 19.82 1.03 -1.97 | 21.52 1.05 -4.70 | 25.97 1.51 0.00 | 18.38 1.04 0.00 | 14.10 0.80 0.00 | 8.91 0.50 0.00 |
| INDIAN POINT_GT_3 24019 | 12.41 0.62 -0.37 | 10.51 0.48 -1.84 | 9.80 0.49 0.00 | 12.10 0.58 0.00 | 8.70 0.40 -0.69 | 7.04 0.27 -1.42 | 12.79 0.61 0.00 | 14.30 0.65 0.00 | 13.06 0.66 0.00 | 9.63 0.48 0.00 | 9.60 0.41 -2.09 | 10.19 0.51 -0.98 | 10.68 0.59 0.00 | 11.89 0.39 -5.63 | 5.20 0.20 -1.94 | 9.05 0.36 -3.09 | 14.52 0.81 -0.21 | 15.05 0.87 0.00 | 19.82 1.03 -1.97 | 21.52 1.05 -4.70 | 25.97 1.51 0.00 | 18.38 1.04 0.00 | 14.10 0.80 0.00 | 8.91 0.50 0.00 |
| INDIAN POINT___2 23530 | 12.38 0.61 -0.36 | 10.44 0.48 -1.78 | 9.80 0.48 0.00 | 12.09 0.57 0.00 | 8.67 0.39 -0.67 | 6.99 0.27 -1.38 | 12.78 0.60 0.00 | 14.30 0.64 0.00 | 13.05 0.65 0.00 | 9.62 0.47 0.00 | 9.96 0.40 -2.46 | 10.35 0.50 -1.15 | 10.67 0.58 0.00 | 12.87 0.39 -6.62 | 5.13 0.20 -1.88 | 9.03 0.36 -3.08 | 14.50 0.80 -0.20 | 15.04 0.86 0.00 | 19.74 1.01 -1.91 | 21.36 1.04 -4.56 | 25.95 1.50 0.00 | 18.37 1.03 0.00 | 14.08 0.78 0.00 | 8.90 0.49 0.00 |
| INDIAN POINT___3 23531 | 12.40 0.61 -0.37 | 10.50 0.48 -1.84 | 9.80 0.48 0.00 | 12.09 0.58 0.00 | 8.69 0.39 -0.69 | 7.04 0.27 -1.42 | 12.78 0.60 0.00 | 14.30 0.64 0.00 | 13.06 0.65 0.00 | 9.62 0.47 0.00 | 9.62 0.40 -2.12 | 10.19 0.50 -0.99 | 10.67 0.58 0.00 | 11.95 0.38 -5.70 | 5.19 0.20 -1.94 | 9.04 0.36 -3.09 | 14.51 0.80 -0.21 | 15.04 0.86 0.00 | 19.80 1.01 -1.98 | 21.51 1.03 -4.71 | 25.94 1.49 0.00 | 18.36 1.02 0.00 | 14.09 0.78 0.00 | 8.90 0.49 0.00 |
| INGHAM_C_115KV_TB7 356103 | 11.60 0.19 0.00 | 8.31 0.12 0.00 | 9.42 0.11 0.00 | 11.66 0.15 0.00 | 7.72 0.10 0.00 | 5.43 0.08 0.00 | 12.36 0.18 0.00 | 13.83 0.17 0.00 | 12.51 0.10 0.00 | 9.24 0.09 0.00 | 7.18 0.08 0.00 | 8.76 0.05 0.00 | 10.13 0.04 0.00 | 5.88 0.02 0.00 | 3.04 -0.02 0.00 | 5.59 0.00 0.00 | 13.51 0.01 0.00 | 14.41 0.23 0.00 | 17.23 0.41 0.00 | 16.17 0.40 0.00 | 24.88 0.42 0.00 | 17.49 0.15 0.00 | 13.43 0.13 0.00 | 8.47 0.06 0.00 |
| IP CORINTH___1 23988 | 12.48 0.57 -0.51 | 11.12 0.43 -2.50 | 9.76 0.45 0.00 | 12.04 0.52 0.00 | 8.90 0.35 -0.94 | 7.54 0.25 -1.93 | 12.73 0.55 0.00 | 14.39 0.73 0.00 | 13.11 0.71 0.00 | 9.66 0.50 0.00 | 8.23 0.41 -0.72 | 9.52 0.48 -0.34 | 10.60 0.51 0.00 | 8.09 0.29 -1.94 | 5.85 0.15 -2.64 | 9.29 0.30 -3.40 | 14.55 0.77 -0.28 | 15.07 0.89 0.00 | 20.58 1.08 -2.68 | 23.15 0.99 -6.39 | 25.88 1.42 0.00 | 18.21 0.87 0.00 | 13.95 0.65 0.00 | 8.78 0.37 0.00 |
| IP___TICONDEROGA 23804 | 12.98 1.07 -0.51 | 11.51 0.83 -2.50 | 10.15 0.84 0.00 | 12.48 0.97 0.00 | 9.19 0.64 -0.94 | 7.75 0.47 -1.93 | 13.17 0.99 0.00 | 15.05 1.40 0.00 | 13.67 1.27 0.00 | 10.03 0.88 0.00 | 8.49 0.67 -0.72 | 9.89 0.84 -0.34 | 10.97 0.88 0.00 | 8.32 0.51 -1.94 | 5.97 0.28 -2.64 | 9.51 0.52 -3.40 | 15.21 1.43 -0.28 | 15.82 1.65 0.00 | 21.38 1.89 -2.68 | 23.82 1.67 -6.38 | 26.88 2.42 0.00 | 18.74 1.40 0.00 | 14.37 1.07 0.00 | 9.00 0.59 0.00 |
| ISLIP_RES_REC 323679 | 12.81 1.02 -0.39 | 10.83 0.75 -1.89 | 10.09 0.78 0.00 | 12.42 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.10 0.92 0.00 | 14.63 0.98 0.00 | 13.36 0.96 0.00 | 9.80 0.65 0.00 | 9.63 0.58 -1.95 | 10.26 0.64 -0.91 | 10.83 0.74 0.00 | 11.65 0.54 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.22 -0.21 | 15.50 1.33 0.00 | 20.46 1.61 -2.03 | 22.14 1.53 -4.84 | 26.65 2.20 0.00 | 18.95 1.61 0.00 | 14.55 1.26 0.00 | 9.23 0.82 0.00 |
| JAMAICA__27_KV_LOAD 355505 | 12.68 0.88 -0.39 | 10.74 0.66 -1.89 | 10.00 0.68 0.00 | 12.33 0.81 0.00 | 8.87 0.55 -0.71 | 7.19 0.38 -1.46 | 13.02 0.85 0.00 | 14.57 0.92 0.00 | 13.32 0.92 0.00 | 9.81 0.66 0.00 | 9.58 0.52 -1.95 | 10.28 0.66 -0.92 | 10.85 0.77 0.00 | 11.63 0.51 -5.26 | 5.30 0.26 -2.00 | 9.16 0.47 -3.10 | 14.74 1.03 -0.21 | 15.25 1.08 0.00 | 20.05 1.21 -2.03 | 21.83 1.22 -4.84 | 26.19 1.73 0.00 | 18.58 1.24 0.00 | 14.34 1.04 0.00 | 9.06 0.65 0.00 |
| JANIS___SOLAR 323808 | 11.80 0.28 -0.11 | 8.90 0.20 -0.52 | 9.51 0.20 0.00 | 11.76 0.24 0.00 | 7.98 0.17 -0.19 | 5.88 0.12 -0.40 | 12.49 0.32 0.00 | 14.00 0.35 0.00 | 12.71 0.31 0.00 | 9.33 0.18 0.00 | 7.24 0.14 0.00 | 8.84 0.13 0.00 | 10.22 0.13 0.00 | 5.95 0.09 0.00 | 3.65 0.05 -0.55 | 6.31 0.08 -0.64 | 13.90 0.35 -0.06 | 14.58 0.40 0.00 | 17.97 0.60 -0.56 | 17.78 0.69 -1.32 | 26.25 0.98 -0.81 | 18.69 0.61 -0.74 | 13.96 0.43 -0.22 | 8.65 0.24 0.00 |
| JARVIS____ 23743 | 11.43 0.02 0.00 | 8.21 0.03 0.00 | 9.33 0.02 0.00 | 11.54 0.02 0.00 | 7.62 0.01 0.00 | 5.36 0.00 0.00 | 12.18 0.00 0.00 | 13.65 0.00 0.00 | 12.41 0.01 0.00 | 9.14 -0.01 0.00 | 7.10 -0.01 0.00 | 8.70 -0.01 0.00 | 10.08 -0.01 0.00 | 5.85 -0.01 0.00 | 3.05 0.00 0.00 | 5.58 -0.01 0.00 | 13.49 -0.02 0.00 | 14.18 0.00 0.00 | 16.83 0.01 0.00 | 15.79 0.02 0.00 | 24.46 0.01 0.00 | 17.34 0.00 0.00 | 13.29 -0.01 0.00 | 8.40 -0.01 0.00 |

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| N.BELMOR_69_KV_BK1 55787 | 12.60 0.81 -0.39 | 10.70 0.61 -1.89 | 9.94 0.63 0.00 | 12.25 0.73 0.00 | 8.82 0.50 -0.71 | 7.15 0.33 -1.46 | 12.92 0.75 0.00 | 14.43 0.78 0.00 | 13.19 0.79 0.00 | 9.70 0.55 0.00 | 9.56 0.51 -1.95 | 10.21 0.59 -0.91 | 10.79 0.71 0.00 | 11.60 0.50 -5.25 | 5.33 0.27 -2.00 | 9.17 0.48 -3.10 | 14.75 1.04 -0.21 | 15.27 1.09 0.00 | 20.14 1.29 -2.03 | 21.85 1.24 -4.84 | 26.26 1.81 0.00 | 18.68 1.34 0.00 | 14.36 1.06 0.00 | 9.09 0.68 0.00 |
| N.E_GEN_SANDY PD 24062 | 12.10 0.40 -0.28 | 10.73 0.31 -2.23 | 9.64 0.32 0.00 | 11.91 0.39 0.00 | 8.82 0.27 -0.94 | 7.26 0.19 -1.72 | 12.57 0.39 0.00 | 14.07 0.42 0.00 | 12.58 0.40 0.23 | 9.40 0.27 0.02 | 8.43 0.25 -1.08 | 9.51 0.30 -0.51 | 10.43 0.34 0.00 | 9.01 0.24 -2.92 | 5.52 0.12 -2.35 | 9.04 0.23 -3.22 | 14.26 0.51 -0.25 | 14.74 0.56 0.00 | 19.90 0.69 -2.39 | 21.86 0.66 -5.42 | 25.40 0.94 0.00 | 17.92 0.58 0.00 | 13.76 0.46 0.00 | 8.70 0.29 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 12.38 0.62 -0.35 | 10.39 0.48 -1.73 | 9.80 0.49 0.00 | 12.10 0.58 0.00 | 8.66 0.40 -0.65 | 6.96 0.27 -1.34 | 12.79 0.61 0.00 | 14.31 0.65 0.00 | 13.06 0.66 0.00 | 9.62 0.47 0.00 | 4.91 0.40 2.60 | 7.99 0.50 1.22 | 10.68 0.59 0.00 | -0.75 0.38 7.00 | 5.08 0.20 -1.83 | 9.07 0.36 -3.12 | 14.51 0.82 -0.19 | 15.06 0.88 0.00 | 19.71 1.04 -1.86 | 21.25 1.05 -4.42 | 25.98 1.52 0.00 | 18.39 1.05 0.00 | 14.10 0.80 0.00 | 8.91 0.50 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 12.57 0.77 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.49 -0.71 | 7.14 0.33 -1.46 | 12.91 0.74 0.00 | 14.44 0.78 0.00 | 13.22 0.82 0.00 | 9.75 0.59 0.00 | 9.55 0.50 -1.95 | 10.23 0.61 -0.92 | 10.80 0.72 0.00 | 11.61 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.22 1.04 0.00 | 19.98 1.13 -2.03 | 21.77 1.17 -4.83 | 26.11 1.65 0.00 | 18.51 1.17 0.00 | 14.25 0.95 0.00 | 9.00 0.59 0.00 |
| N.TROY___115KV_TB1 355778 | 12.26 0.35 -0.50 | 10.92 0.27 -2.46 | 9.59 0.28 0.00 | 11.86 0.35 0.00 | 8.77 0.24 -0.92 | 7.42 0.17 -1.90 | 12.53 0.36 0.00 | 14.05 0.39 0.00 | 12.76 0.36 0.00 | 9.39 0.24 0.00 | 8.06 0.21 -0.75 | 9.31 0.26 -0.35 | 10.37 0.28 0.00 | 8.07 0.18 -2.02 | 5.75 0.10 -2.60 | 9.15 0.18 -3.38 | 14.21 0.44 -0.27 | 14.68 0.50 0.00 | 20.08 0.62 -2.64 | 22.64 0.57 -6.30 | 25.29 0.84 0.00 | 17.83 0.49 0.00 | 13.69 0.39 0.00 | 8.64 0.23 0.00 |
| NARROWS_GT1_1 24228 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT1_2 24229 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT1_3 24230 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT1_4 24231 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT1_5 24232 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT1_6 24233 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT1_7 24234 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT1_8 24235 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT2_1 24236 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NARROWS_GT2_2 24237 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |

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| NEG NORTH_FLCN_SEA 23793 | 11.82 0.41 0.00 | 8.27 0.09 0.00 | 9.39 0.08 0.00 | 11.65 0.14 0.00 | 7.67 0.07 0.00 | 5.36 0.01 0.00 | 12.05 -0.13 0.00 | 13.56 -0.09 0.00 | 11.95 -0.36 0.09 | 6.38 -0.27 2.50 | 6.88 -0.23 0.00 | 8.47 -0.23 0.00 | 9.79 -0.29 0.00 | 5.68 -0.18 0.00 | 0.85 -0.09 2.11 | -16.78 -0.22 22.15 | -19.74 -0.52 32.72 | -21.89 -0.56 35.51 | -21.60 -0.66 37.75 | -21.19 -0.65 36.31 | 8.95 -0.84 14.67 | -15.37 -0.57 32.14 | 12.73 -0.28 0.29 | 8.29 -0.12 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 11.66 0.25 0.00 | 8.17 -0.02 0.00 | 9.31 0.00 0.00 | 11.53 0.01 0.00 | 7.58 -0.02 0.00 | 5.29 -0.06 0.00 | 11.91 -0.27 0.00 | 13.41 -0.25 0.00 | 11.84 -0.47 0.10 | 6.16 -0.34 2.66 | 6.80 -0.30 0.00 | 8.39 -0.31 0.00 | 9.70 -0.38 0.00 | 5.62 -0.25 0.00 | 0.69 -0.12 2.24 | -18.24 -0.26 23.57 | -21.95 -0.65 34.80 | -24.22 -0.63 37.77 | -24.07 -0.73 40.15 | -23.60 -0.74 38.63 | 7.83 -1.01 15.61 | -17.49 -0.64 34.19 | 12.64 -0.36 0.30 | 8.24 -0.17 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 11.83 0.43 0.00 | 8.29 0.10 0.00 | 9.42 0.11 0.00 | 11.68 0.16 0.00 | 7.69 0.08 0.00 | 5.37 0.02 0.00 | 12.07 -0.10 0.00 | 13.61 -0.04 0.00 | 11.99 -0.32 0.09 | 6.41 -0.22 2.53 | 6.90 -0.20 0.00 | 8.51 -0.19 0.00 | 9.83 -0.26 0.00 | 5.69 -0.17 0.00 | 0.84 -0.08 2.13 | -16.99 -0.20 22.38 | -20.01 -0.46 33.05 | -22.18 -0.49 35.87 | -21.88 -0.56 38.13 | -21.46 -0.56 36.68 | 8.94 -0.70 14.82 | -15.60 -0.48 32.47 | 12.78 -0.23 0.29 | 8.32 -0.09 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 11.83 0.43 0.00 | 8.29 0.10 0.00 | 9.42 0.11 0.00 | 11.68 0.16 0.00 | 7.69 0.08 0.00 | 5.37 0.02 0.00 | 12.07 -0.10 0.00 | 13.61 -0.04 0.00 | 11.99 -0.32 0.09 | 6.41 -0.22 2.53 | 6.90 -0.20 0.00 | 8.51 -0.19 0.00 | 9.83 -0.26 0.00 | 5.69 -0.17 0.00 | 0.84 -0.08 2.13 | -16.99 -0.20 22.38 | -20.01 -0.46 33.05 | -22.18 -0.49 35.87 | -21.88 -0.56 38.13 | -21.46 -0.56 36.68 | 8.94 -0.70 14.82 | -15.60 -0.48 32.47 | 12.78 -0.23 0.29 | 8.32 -0.09 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 11.83 0.43 0.00 | 8.29 0.10 0.00 | 9.42 0.11 0.00 | 11.68 0.16 0.00 | 7.69 0.08 0.00 | 5.37 0.02 0.00 | 12.07 -0.10 0.00 | 13.61 -0.04 0.00 | 11.99 -0.32 0.09 | 6.41 -0.22 2.53 | 6.90 -0.20 0.00 | 8.51 -0.19 0.00 | 9.83 -0.25 0.00 | 5.69 -0.17 0.00 | 0.84 -0.08 2.13 | -16.99 -0.20 22.38 | -20.01 -0.46 33.05 | -22.19 -0.46 35.87 | -21.88 -0.57 38.13 | -21.46 -0.55 36.68 | 8.93 -0.70 14.82 | -15.61 -0.49 32.47 | 12.78 -0.22 0.29 | 8.32 -0.09 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 10.87 -0.59 -0.06 | 7.95 -0.52 -0.28 | 8.62 -0.69 0.00 | 10.68 -0.84 0.00 | 7.15 -0.56 -0.10 | 5.17 -0.39 -0.22 | 11.37 -0.81 0.00 | 12.79 -0.86 0.00 | 11.85 -0.55 0.00 | 8.91 -0.24 0.00 | 6.86 -0.24 0.00 | 8.41 -0.29 0.00 | 9.73 -0.36 0.00 | 5.52 -0.34 0.00 | 3.19 -0.16 -0.30 | 5.53 -0.36 -0.30 | 12.71 -0.82 -0.03 | 13.29 -0.89 0.00 | 15.98 -1.14 -0.30 | 15.59 -0.90 -0.72 | 19.29 -1.61 3.56 | 12.97 -1.14 3.23 | 11.44 -0.89 0.96 | 7.88 -0.53 0.00 |
| NEG WEST___LANCASTR 23811 | 11.24 -0.23 -0.07 | 8.27 -0.24 -0.32 | 8.95 -0.36 0.00 | 11.08 -0.44 0.00 | 7.43 -0.30 -0.12 | 5.39 -0.21 -0.25 | 11.78 -0.39 0.00 | 13.26 -0.40 0.00 | 12.24 -0.16 0.00 | 9.18 0.03 0.00 | 7.09 -0.01 0.00 | 8.70 -0.01 0.00 | 10.07 -0.02 0.00 | 5.73 -0.13 0.00 | 3.34 -0.06 -0.34 | 5.76 -0.17 -0.35 | 13.22 -0.31 -0.04 | 13.82 -0.36 0.00 | 16.64 -0.53 -0.35 | 16.26 -0.34 -0.83 | 20.15 -0.58 3.73 | 13.47 -0.50 3.38 | 11.91 -0.38 1.01 | 8.21 -0.21 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 11.59 0.06 -0.12 | 8.83 0.05 -0.60 | 9.35 0.03 0.00 | 11.56 0.04 0.00 | 7.87 0.03 -0.22 | 5.83 0.02 -0.46 | 12.24 0.06 0.00 | 13.73 0.07 0.00 | 12.49 0.08 0.00 | 9.24 0.09 0.00 | 7.18 0.07 0.00 | 8.81 0.10 0.00 | 10.19 0.10 0.00 | 5.91 0.05 0.00 | 3.71 0.03 -0.63 | 6.36 0.04 -0.73 | 13.69 0.12 -0.07 | 14.33 0.15 0.00 | 17.59 0.13 -0.64 | 17.54 0.24 -1.52 | 24.78 0.32 0.00 | 17.47 0.13 0.00 | 13.42 0.12 0.00 | 8.48 0.07 0.00 |
| NEG___GEN_MONROE 24207 | 11.22 -0.23 -0.05 | 8.19 -0.22 -0.22 | 8.99 -0.32 0.00 | 11.13 -0.39 0.00 | 7.42 -0.27 -0.08 | 5.34 -0.18 -0.17 | 11.83 -0.35 0.00 | 13.29 -0.36 0.00 | 12.22 -0.18 0.00 | 9.10 -0.05 0.00 | 7.03 -0.07 0.00 | 8.62 -0.08 0.00 | 9.98 -0.11 0.00 | 5.73 -0.13 0.00 | 3.23 -0.06 -0.24 | 5.73 -0.13 -0.27 | 13.30 -0.22 -0.02 | 13.97 -0.20 0.00 | 16.79 -0.26 -0.23 | 16.17 -0.17 -0.57 | 23.47 -0.44 0.55 | 16.48 -0.37 0.50 | 12.83 -0.32 0.15 | 8.21 -0.20 0.00 |
| NEPA___ENERGY 23901 | 11.15 -0.33 -0.07 | 8.24 -0.28 -0.33 | 8.93 -0.38 0.00 | 11.04 -0.48 0.00 | 7.41 -0.32 -0.12 | 5.38 -0.22 -0.25 | 11.74 -0.44 0.00 | 13.22 -0.44 0.00 | 12.15 -0.25 0.00 | 9.09 -0.06 0.00 | 7.03 -0.07 0.00 | 8.63 -0.07 0.00 | 9.98 -0.10 0.00 | 5.70 -0.17 0.00 | 3.33 -0.07 -0.35 | 5.76 -0.18 -0.35 | 13.19 -0.35 -0.04 | 13.80 -0.37 0.00 | 16.58 -0.59 -0.36 | 16.31 -0.31 -0.84 | 20.01 -0.57 3.89 | 13.28 -0.55 3.52 | 11.86 -0.39 1.05 | 8.18 -0.23 0.00 |
| NEVERSINK___HYD 23608 | 12.48 0.75 -0.33 | 10.35 0.56 -1.60 | 9.90 0.59 0.00 | 12.23 0.71 0.00 | 8.69 0.48 -0.60 | 6.92 0.33 -1.24 | 12.94 0.76 0.00 | 14.50 0.85 0.00 | 13.22 0.81 0.00 | 9.73 0.58 0.41 | 7.17 0.48 0.19 | 9.12 0.61 0.19 | 10.78 0.69 0.00 | 5.18 0.43 1.12 | 4.96 0.22 -1.69 | 8.07 0.39 -2.09 | 14.62 0.94 -0.18 | 15.26 1.08 0.00 | 19.86 1.33 -1.72 | 21.19 1.32 -4.10 | 26.40 1.94 0.00 | 18.66 1.32 0.00 | 14.29 0.99 0.00 | 9.02 0.61 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 12.12 0.21 -0.50 | 10.80 0.17 -2.45 | 9.48 0.17 0.00 | 11.74 0.22 0.00 | 8.68 0.15 -0.92 | 7.34 0.10 -1.89 | 12.40 0.22 0.00 | 13.83 0.18 0.00 | 12.59 0.19 0.00 | 9.28 0.13 -0.74 | 7.96 0.12 -0.35 | 9.20 0.15 -0.35 | 10.25 0.16 0.00 | 7.97 0.12 -1.99 | 5.70 0.06 -2.58 | 9.06 0.12 -3.35 | 14.01 0.24 -0.27 | 14.47 0.30 0.00 | 19.80 0.36 -2.62 | 22.36 0.33 -6.25 | 24.92 0.46 0.00 | 17.60 0.26 0.00 | 13.51 0.21 0.00 | 8.54 0.13 0.00 |
| NEWTON___FALLS_HYD 23847 | 11.46 0.04 -0.01 | 8.22 -0.02 -0.05 | 9.25 -0.06 0.00 | 11.49 -0.02 0.00 | 7.54 -0.09 -0.02 | 5.30 -0.09 -0.04 | 11.97 -0.21 0.00 | 13.40 -0.26 0.00 | 12.18 -0.24 -0.01 | 9.24 -0.18 -0.27 | 6.92 -0.18 0.00 | 8.42 -0.28 0.00 | 9.74 -0.34 0.00 | 5.65 -0.22 0.00 | 3.24 -0.11 -0.29 | 7.87 -0.19 -2.48 | 16.63 -0.44 -3.57 | 17.70 -0.34 -3.87 | 20.64 -0.35 -4.17 | 19.45 -0.41 -4.09 | 25.45 -0.60 -1.60 | 20.50 -0.34 -3.50 | 13.08 -0.25 -0.03 | 8.23 -0.18 0.00 |
| NGRID_A1_DSASP 323792 | 10.73 -0.73 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.20 -0.97 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.77 -0.38 0.00 | 6.77 -0.34 0.00 | 8.30 -0.40 0.00 | 9.62 -0.47 0.00 | 5.45 -0.42 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.08 -1.10 0.00 | 15.69 -1.44 -0.31 | 15.27 -1.24 -0.74 | 18.72 -2.03 3.71 | 12.63 -1.35 3.36 | 11.17 -1.13 1.00 | 7.73 -0.68 0.00 |
| NGRID_A2_DSASP 323793 | 10.73 -0.73 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.20 -0.97 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.77 -0.38 0.00 | 6.77 -0.34 0.00 | 8.30 -0.40 0.00 | 9.62 -0.47 0.00 | 5.45 -0.42 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.08 -1.10 0.00 | 15.69 -1.44 -0.31 | 15.27 -1.24 -0.74 | 18.72 -2.03 3.71 | 12.63 -1.35 3.36 | 11.17 -1.13 1.00 | 7.73 -0.68 0.00 |

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|------------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| NGRID_A4_DSASP 323807 | 10.73 -0.73 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.20 -0.97 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.77 -0.38 0.00 | 6.77 -0.34 0.00 | 8.30 -0.40 0.00 | 9.62 -0.47 0.00 | 5.45 -0.42 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.08 -1.10 0.00 | 15.69 -1.44 -0.31 | 15.27 -1.24 -0.74 | 18.72 -2.03 3.71 | 12.63 -1.35 3.36 | 11.17 -1.13 1.00 | 7.73 -0.68 0.00 |
| NIAGARA_115E_LBMP 323715 | 10.71 -0.76 -0.06 | 7.83 -0.64 -0.29 | 8.49 -0.82 0.00 | 10.53 -0.99 0.00 | 7.05 -0.67 -0.11 | 5.11 -0.46 -0.22 | 11.23 -0.95 0.00 | 12.60 -1.05 0.00 | 11.69 -0.71 0.00 | 8.79 -0.36 0.00 | 6.76 -0.34 0.00 | 8.29 -0.41 0.00 | 9.59 -0.50 0.00 | 5.43 -0.43 0.00 | 3.15 -0.20 -0.30 | 5.45 -0.45 -0.31 | 12.48 -1.05 -0.03 | 13.05 -1.12 0.00 | 15.69 -1.44 -0.31 | 15.32 -1.19 -0.74 | 18.76 -2.05 3.65 | 12.63 -1.40 3.31 | 11.23 -1.08 0.99 | 7.75 -0.66 0.00 |
| NIAGARA_115W_LBMP 323714 | 10.71 -0.75 -0.06 | 7.83 -0.64 -0.29 | 8.47 -0.84 0.00 | 10.49 -1.03 0.00 | 7.03 -0.69 -0.11 | 5.09 -0.48 -0.22 | 11.18 -1.00 0.00 | 12.55 -1.10 0.00 | 11.65 -0.76 0.00 | 8.76 -0.39 0.00 | 6.75 -0.35 0.00 | 8.29 -0.42 0.00 | 9.60 -0.49 0.00 | 5.44 -0.42 0.00 | 3.15 -0.21 -0.30 | 5.45 -0.45 -0.31 | 12.49 -1.05 -0.03 | 13.05 -1.12 0.00 | 15.65 -1.48 -0.31 | 15.23 -1.28 -0.74 | 18.68 -2.09 3.70 | 12.62 -1.37 3.35 | 11.15 -1.15 1.00 | 7.71 -0.70 0.00 |
| NIAGARA_230_LBMP 323716 | 10.81 -0.66 -0.06 | 7.90 -0.57 -0.29 | 8.56 -0.75 0.00 | 10.60 -0.92 0.00 | 7.10 -0.62 -0.11 | 5.14 -0.43 -0.22 | 11.29 -0.89 0.00 | 12.68 -0.97 0.00 | 11.75 -0.65 0.00 | 8.83 -0.32 0.00 | 6.81 -0.29 0.00 | 8.35 -0.35 0.00 | 9.67 -0.42 0.00 | 5.49 -0.37 0.00 | 3.17 -0.19 -0.30 | 5.50 -0.40 -0.31 | 12.62 -0.91 -0.03 | 13.20 -0.98 0.00 | 15.87 -1.26 -0.31 | 15.46 -1.05 -0.73 | 19.08 -1.79 3.59 | 12.81 -1.28 3.25 | 11.34 -0.99 0.97 | 7.81 -0.60 0.00 |
| NIAGARA__115KV_198_GIBSON 55903 | 10.71 -0.75 -0.06 | 7.83 -0.64 -0.29 | 8.48 -0.84 0.00 | 10.49 -1.03 0.00 | 7.03 -0.69 -0.11 | 5.09 -0.48 -0.22 | 11.17 -1.01 0.00 | 12.55 -1.10 0.00 | 11.65 -0.75 0.00 | 8.76 -0.39 0.00 | 6.75 -0.35 0.00 | 8.28 -0.42 0.00 | 9.60 -0.49 0.00 | 5.44 -0.42 0.00 | 3.15 -0.21 -0.30 | 5.45 -0.45 -0.31 | 12.49 -1.05 -0.03 | 13.04 -1.13 0.00 | 15.64 -1.48 -0.31 | 15.23 -1.28 -0.74 | 18.67 -2.09 3.70 | 12.59 -1.40 3.35 | 11.13 -1.18 1.00 | 7.71 -0.70 0.00 |
| NIAGARA____ 23760 | 10.81 -0.66 -0.06 | 7.90 -0.57 -0.29 | 8.56 -0.75 0.00 | 10.60 -0.92 0.00 | 7.10 -0.62 -0.11 | 5.14 -0.43 -0.22 | 11.29 -0.89 0.00 | 12.68 -0.97 0.00 | 11.75 -0.65 0.00 | 8.83 -0.32 0.00 | 6.81 -0.29 0.00 | 8.35 -0.35 0.00 | 9.67 -0.42 0.00 | 5.49 -0.37 0.00 | 3.17 -0.19 -0.30 | 5.50 -0.40 -0.31 | 12.62 -0.91 -0.03 | 13.20 -0.98 0.00 | 15.87 -1.26 -0.31 | 15.46 -1.05 -0.73 | 19.04 -1.79 3.62 | 12.79 -1.28 3.27 | 11.33 -0.99 0.98 | 7.81 -0.60 0.00 |
| NINE_MILE_1 23575 | 11.13 -0.30 -0.02 | 8.08 -0.22 -0.11 | 9.04 -0.27 0.00 | 11.18 -0.34 0.00 | 7.43 -0.22 -0.04 | 5.28 -0.16 -0.09 | 11.83 -0.35 0.00 | 13.27 -0.38 0.00 | 12.08 -0.33 0.00 | 8.92 -0.23 0.00 | 6.92 -0.18 0.00 | 8.49 -0.22 0.00 | 9.83 -0.26 0.00 | 5.70 -0.16 0.00 | 3.09 -0.08 -0.12 | 5.58 -0.15 -0.14 | 13.16 -0.35 -0.01 | 13.83 -0.34 0.00 | 16.53 -0.41 -0.12 | 15.71 -0.36 -0.30 | 23.86 -0.60 0.00 | 16.89 -0.45 0.00 | 12.94 -0.35 0.00 | 8.18 -0.23 0.00 |
| NINE_MILE_2 23744 | 11.13 -0.30 -0.02 | 8.08 -0.22 -0.11 | 9.04 -0.27 0.00 | 11.19 -0.33 0.00 | 7.43 -0.22 -0.04 | 5.28 -0.16 -0.09 | 11.83 -0.34 0.00 | 13.27 -0.38 0.00 | 12.08 -0.33 0.00 | 8.92 -0.23 0.00 | 6.92 -0.18 0.00 | 8.49 -0.22 0.00 | 9.83 -0.26 0.00 | 5.70 -0.16 0.00 | 3.09 -0.08 -0.12 | 5.58 -0.15 -0.14 | 13.16 -0.35 -0.01 | 13.83 -0.34 0.00 | 16.53 -0.41 -0.12 | 15.71 -0.36 -0.30 | 23.87 -0.59 0.00 | 16.89 -0.45 0.00 | 12.95 -0.35 0.00 | 8.18 -0.23 0.00 |
| NM_CAPITAL____DRP 24208 | 12.13 0.23 -0.50 | 10.81 0.18 -2.44 | 9.49 0.18 0.00 | 11.75 0.23 0.00 | 8.69 0.16 -0.91 | 7.34 0.11 -1.88 | 12.41 0.23 0.00 | 13.86 0.20 0.00 | 12.61 0.21 0.00 | 9.29 0.14 0.00 | 7.98 0.13 -0.75 | 9.21 0.16 -0.35 | 10.26 0.17 0.00 | 8.00 0.13 -2.01 | 5.69 0.07 -2.58 | 9.07 0.13 -3.35 | 14.03 0.26 -0.27 | 14.49 0.31 0.00 | 19.81 0.38 -2.62 | 22.36 0.35 -6.23 | 24.95 0.49 0.00 | 17.62 0.28 0.00 | 13.53 0.23 0.00 | 8.55 0.14 0.00 |
| NM_CENTRAL____DRP 24181 | 11.33 -0.11 -0.03 | 8.27 -0.08 -0.17 | 9.20 -0.11 0.00 | 11.37 -0.14 0.00 | 7.57 -0.09 -0.06 | 5.41 -0.07 -0.13 | 12.04 -0.14 0.00 | 13.50 -0.15 0.00 | 12.29 -0.11 0.00 | 9.09 -0.06 0.00 | 7.05 -0.05 0.00 | 8.65 -0.06 0.00 | 10.01 -0.07 0.00 | 5.81 -0.05 0.00 | 3.21 -0.03 -0.18 | 5.75 -0.05 -0.21 | 13.43 -0.09 -0.02 | 14.11 -0.06 0.00 | 16.93 -0.07 -0.18 | 16.18 -0.02 -0.43 | 24.36 -0.10 0.00 | 17.22 -0.11 0.00 | 13.20 -0.10 0.00 | 8.33 -0.08 0.00 |
| NM_FRONTIER____DRP 24179 | 10.71 -0.75 -0.06 | 7.83 -0.64 -0.29 | 8.48 -0.84 0.00 | 10.49 -1.03 0.00 | 7.03 -0.69 -0.11 | 5.09 -0.48 -0.22 | 11.17 -1.01 0.00 | 12.55 -1.10 0.00 | 11.65 -0.75 0.00 | 8.76 -0.39 0.00 | 6.75 -0.35 0.00 | 8.28 -0.42 0.00 | 9.60 -0.49 0.00 | 5.44 -0.42 0.00 | 3.15 -0.21 -0.30 | 5.45 -0.45 -0.31 | 12.49 -1.05 -0.03 | 13.04 -1.13 0.00 | 15.64 -1.48 -0.31 | 15.23 -1.28 -0.74 | 18.67 -2.09 3.70 | 12.59 -1.40 3.35 | 11.13 -1.18 1.00 | 7.71 -0.70 0.00 |
| NM_ST_REGIS____HYD 24053 | 11.52 0.11 0.00 | 8.18 -0.01 0.00 | 9.29 -0.02 0.00 | 11.54 0.03 0.00 | 7.57 -0.04 0.00 | 5.31 -0.04 0.00 | 12.06 -0.11 0.00 | 13.56 -0.09 0.00 | 12.22 -0.20 -0.02 | 9.68 -0.13 -0.66 | 6.96 -0.14 0.00 | 8.52 -0.18 0.00 | 9.87 -0.22 0.00 | 5.72 -0.14 0.00 | 3.54 -0.07 -0.56 | 11.34 -0.13 -5.89 | 21.87 -0.32 -8.69 | 23.29 -0.32 -9.43 | 26.50 -0.34 -10.03 | 25.03 -0.39 -9.65 | 27.83 -0.53 -3.90 | 25.59 -0.29 -8.54 | 13.19 -0.18 -0.08 | 8.32 -0.09 0.00 |
| NORTHPORT____1 23551 | 12.68 0.88 -0.39 | 10.75 0.67 -1.89 | 10.00 0.69 0.00 | 12.32 0.80 0.00 | 8.87 0.55 -0.71 | 7.17 0.36 -1.46 | 12.97 0.80 0.00 | 14.48 0.82 0.00 | 13.23 0.83 0.00 | 9.71 0.56 0.00 | 9.58 0.53 -1.95 | 10.20 0.58 -0.91 | 10.75 0.66 0.00 | 11.59 0.49 -5.25 | 5.34 0.29 -2.00 | 9.18 0.49 -3.10 | 14.73 1.02 -0.21 | 15.27 1.09 0.00 | 20.16 1.31 -2.03 | 21.83 1.22 -4.84 | 26.20 1.74 0.00 | 18.68 1.34 0.00 | 14.37 1.07 0.00 | 9.12 0.71 0.00 |
| NORTHPORT____2 23552 | 12.68 0.88 -0.39 | 10.75 0.67 -1.89 | 10.00 0.69 0.00 | 12.32 0.80 0.00 | 8.87 0.55 -0.71 | 7.17 0.36 -1.46 | 12.97 0.80 0.00 | 14.48 0.82 0.00 | 13.23 0.83 0.00 | 9.71 0.56 0.00 | 9.58 0.53 -1.95 | 10.20 0.58 -0.91 | 10.75 0.66 0.00 | 11.59 0.49 -5.25 | 5.34 0.29 -2.00 | 9.18 0.49 -3.10 | 14.73 1.02 -0.21 | 15.27 1.09 0.00 | 20.16 1.31 -2.03 | 21.83 1.22 -4.84 | 26.20 1.74 0.00 | 18.68 1.34 0.00 | 14.37 1.07 0.00 | 9.12 0.71 0.00 |
| NORTHPORT____3 23553 | 12.57 0.77 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.22 0.70 0.00 | 8.81 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.36 0.70 0.00 | 13.11 0.71 0.00 | 9.63 0.48 0.00 | 9.53 0.48 -1.95 | 10.15 0.53 -0.91 | 10.69 0.61 0.00 | 11.56 0.45 -5.25 | 5.32 0.27 -2.00 | 9.13 0.44 -3.10 | 14.62 0.91 -0.21 | 15.12 0.95 0.00 | 19.99 1.14 -2.03 | 21.68 1.07 -4.84 | 25.97 1.51 0.00 | 18.50 1.16 0.00 | 14.24 0.94 0.00 | 9.05 0.64 0.00 |

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| NORTHPORT___4 23650 | 12.57 0.77 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.22 0.70 0.00 | 8.81 0.49 -0.71 | 7.13 0.32 -1.46 | 12.87 0.69 0.00 | 14.36 0.70 0.00 | 13.11 0.71 0.00 | 9.63 0.48 0.00 | 9.53 0.48 -1.95 | 10.15 0.53 -0.91 | 10.69 0.61 0.00 | 11.56 0.45 -5.25 | 5.32 0.27 -2.00 | 9.13 0.44 -3.10 | 14.62 0.91 -0.21 | 15.12 0.95 0.00 | 19.99 1.14 -2.03 | 21.68 1.07 -4.84 | 25.97 1.51 0.00 | 18.50 1.16 0.00 | 14.24 0.94 0.00 | 9.05 0.64 0.00 |
| NORTHPORT___IC 23718 | 12.68 0.88 -0.39 | 10.75 0.67 -1.89 | 10.00 0.69 0.00 | 12.32 0.80 0.00 | 8.87 0.55 -0.71 | 7.17 0.36 -1.46 | 12.97 0.80 0.00 | 14.48 0.82 0.00 | 13.23 0.83 0.00 | 9.71 0.56 0.00 | 9.58 0.53 -1.95 | 10.20 0.58 -0.91 | 10.75 0.66 0.00 | 11.59 0.49 -5.25 | 5.34 0.29 -2.00 | 9.18 0.49 -3.10 | 14.73 1.02 -0.21 | 15.27 1.09 0.00 | 20.16 1.31 -2.03 | 21.83 1.22 -4.84 | 26.20 1.74 0.00 | 18.68 1.34 0.00 | 14.37 1.07 0.00 | 9.12 0.71 0.00 |
| NORTH___COUNTRY_ESR 323785 | 11.61 0.21 0.00 | 8.14 -0.04 0.00 | 9.28 -0.03 0.00 | 11.49 -0.03 0.00 | 7.56 -0.05 0.00 | 5.28 -0.07 0.00 | 11.87 -0.31 0.00 | 13.35 -0.30 0.00 | 11.79 -0.52 0.10 | 6.11 -0.37 2.66 | 6.78 -0.32 0.00 | 8.36 -0.34 0.00 | 9.68 -0.41 0.00 | 5.61 -0.26 0.00 | 0.67 -0.13 2.25 | -18.29 -0.28 23.60 | -22.03 -0.69 34.85 | -24.33 -0.69 37.82 | -24.19 -0.80 40.21 | -23.71 -0.81 38.68 | 7.70 -1.13 15.63 | -17.61 -0.72 34.23 | 12.59 -0.41 0.30 | 8.21 -0.19 0.00 |
| NPX_GEN_1385_PROXY 323591 | 12.68 0.88 -0.39 | 10.75 0.67 -1.89 | 10.00 0.69 0.00 | 12.32 0.80 0.00 | 8.87 0.55 -0.71 | 7.11 0.30 -1.46 | 12.93 0.76 0.00 | 14.43 0.77 0.00 | 13.17 0.76 0.00 | 9.68 0.52 0.00 | 9.55 0.50 -1.95 | 10.08 0.46 -0.91 | 10.55 0.47 0.00 | 11.48 0.37 -5.25 | 5.30 0.25 -2.00 | 9.10 0.41 -3.10 | 14.62 0.77 -0.35 | 15.07 0.90 0.00 | 19.97 1.12 -2.03 | 21.48 0.87 -4.84 | 25.67 1.22 0.00 | 18.45 1.11 0.00 | 14.24 0.94 0.00 | 9.05 0.64 0.00 |
| NPX_GEN_CSC 323557 | 12.81 1.02 -0.39 | 10.83 0.75 -1.89 | 10.09 0.78 0.00 | 12.43 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.10 0.92 0.00 | 14.63 0.97 0.00 | 13.36 0.96 0.00 | 9.80 0.65 0.00 | 9.62 0.57 -1.95 | 10.25 0.64 -0.91 | 10.81 0.73 0.00 | 11.64 0.54 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 15.07 1.21 -0.35 | 15.49 1.32 0.00 | 20.45 1.61 -2.03 | 22.13 1.52 -4.84 | 26.63 2.18 0.00 | 18.93 1.59 0.00 | 14.54 1.24 0.00 | 9.23 0.82 0.00 |
| NSINS_S_GLNS_FALLS 23858 | 12.53 0.61 -0.51 | 11.15 0.47 -2.50 | 9.80 0.49 0.00 | 12.08 0.57 0.00 | 8.93 0.38 -0.94 | 7.55 0.27 -1.93 | 12.77 0.60 0.00 | 14.43 0.78 0.00 | 13.16 0.75 0.00 | 9.68 0.53 0.00 | 8.25 0.43 -0.72 | 9.55 0.51 -0.34 | 10.63 0.54 0.00 | 8.12 0.32 -1.94 | 5.86 0.17 -2.64 | 9.32 0.33 -3.40 | 14.61 0.83 -0.28 | 15.14 0.96 0.00 | 20.65 1.16 -2.68 | 23.21 1.06 -6.38 | 25.98 1.53 0.00 | 18.27 0.93 0.00 | 14.00 0.69 0.00 | 8.81 0.40 0.00 |
| NUCOR_STEEL___DRP 24197 | 11.47 0.02 -0.05 | 8.45 0.03 -0.23 | 9.34 0.02 0.00 | 11.53 0.01 0.00 | 7.68 -0.01 -0.09 | 5.54 0.01 -0.18 | 12.18 0.00 0.00 | 13.66 0.01 0.00 | 12.48 0.08 0.00 | 9.23 0.08 0.00 | 7.15 0.05 0.00 | 8.77 0.07 0.00 | 10.16 0.07 0.00 | 5.89 0.03 0.00 | 3.31 0.01 -0.24 | 5.90 0.03 -0.28 | 13.63 0.10 -0.03 | 14.32 0.14 0.00 | 17.27 0.21 -0.25 | 16.56 0.20 -0.59 | 24.75 0.29 0.00 | 17.50 0.16 0.00 | 13.41 0.11 0.00 | 8.46 0.05 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 11.53 0.10 -0.02 | 8.32 0.05 -0.07 | 9.32 0.01 0.00 | 11.56 0.04 0.00 | 7.57 -0.06 -0.03 | 5.32 -0.09 -0.06 | 11.95 -0.23 0.00 | 13.33 -0.33 0.00 | 12.20 -0.21 0.00 | 9.07 -0.21 -0.12 | 6.91 -0.19 0.00 | 8.36 -0.35 0.00 | 9.68 -0.40 0.00 | 5.60 -0.26 0.00 | 3.10 -0.13 -0.18 | 6.51 -0.24 -1.17 | 14.57 -0.52 -1.59 | 15.55 -0.35 -1.72 | 18.37 -0.36 -1.91 | 17.31 -0.42 -1.95 | 24.54 -0.63 -0.71 | 18.60 -0.31 -1.56 | 13.08 -0.23 -0.01 | 8.19 -0.22 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 11.41 0.00 0.00 | 8.19 0.00 0.00 | 9.31 0.00 0.00 | 11.52 0.00 0.00 | 7.61 0.00 0.00 | 5.35 0.00 0.00 | 12.18 0.00 0.00 | 13.65 0.00 0.00 | 12.40 0.00 0.00 | 9.15 0.00 0.00 | 7.10 0.00 0.00 | 8.71 0.00 0.00 | 10.09 0.00 0.00 | 5.86 0.00 0.00 | 3.05 0.00 0.00 | 5.59 0.00 0.00 | 13.50 0.00 0.00 | 14.17 0.00 0.00 | 16.82 0.00 0.00 | 15.77 0.00 0.00 | 24.46 0.00 0.00 | 17.34 0.00 0.00 | 13.30 0.00 0.00 | 8.41 0.00 0.00 |
| NYPA_BRENTWD___GT 24164 | 12.78 0.98 -0.39 | 10.82 0.73 -1.89 | 10.07 0.76 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.08 0.90 0.00 | 14.59 0.94 0.00 | 13.34 0.93 0.00 | 9.79 0.64 0.00 | 9.62 0.57 -1.95 | 10.26 0.65 -0.91 | 10.82 0.74 0.00 | 11.64 0.53 -5.25 | 5.37 0.31 -2.00 | 9.24 0.55 -3.10 | 14.88 1.17 -0.21 | 15.43 1.26 0.00 | 20.37 1.53 -2.03 | 22.04 1.43 -4.84 | 26.53 2.07 0.00 | 18.88 1.54 0.00 | 14.51 1.21 0.00 | 9.20 0.79 0.00 |
| NYPA_GOWANUS___GT5 24156 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NYPA_GOWANUS___GT6 24157 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.98 -0.21 | 15.22 1.04 0.00 | 20.05 1.21 -2.03 | 21.88 1.27 -4.84 | 26.26 1.80 0.00 | 18.60 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |
| NYPA_HARLEM__RVR_GT1 24160 | 12.55 0.76 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.21 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.48 -1.96 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.17 0.99 0.00 | 19.96 1.11 -2.03 | 21.75 1.14 -4.84 | 26.07 1.61 0.00 | 18.48 1.13 0.00 | 14.22 0.91 0.00 | 8.99 0.57 -0.01 |
| NYPA_HARLEM__RVR_GT2 24161 | 12.55 0.76 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.21 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.48 -1.96 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.17 0.99 0.00 | 19.96 1.11 -2.03 | 21.75 1.14 -4.84 | 26.07 1.61 0.00 | 18.48 1.13 0.00 | 14.22 0.91 0.00 | 8.99 0.57 -0.01 |
| NYPA_KENT___GT 24152 | 12.59 0.79 -0.39 | 10.66 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.72 0.00 | 8.80 0.49 -0.71 | 7.15 0.33 -1.47 | 12.92 0.74 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.84 0.75 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.69 0.98 -0.21 | 15.21 1.03 0.00 | 20.04 1.19 -2.03 | 21.87 1.25 -4.84 | 26.25 1.79 0.00 | 18.59 1.25 0.00 | 14.27 0.97 0.00 | 9.03 0.61 -0.01 |

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|-------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-----------------------|
| NYPA_POUCH1____GT 24155 | 12.59 0.79 -0.39 | 10.66 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.72 0.00 | 8.81 0.49 -0.71 | 7.15 0.33 -1.47 | 12.92 0.75 0.00 | 14.45 0.80 0.00 | 13.23 0.82 0.00 | 9.76 0.60 0.00 | 9.57 0.51 -1.96 | 10.26 0.64 -0.92 | 10.85 0.76 0.00 | 11.62 0.50 -5.26 | 5.30 0.25 -2.00 | 9.14 0.45 -3.10 | 14.71 1.00 -0.21 | 15.23 1.06 0.00 | 20.07 1.23 -2.03 | 21.90 1.28 -4.84 | 26.28 1.82 0.00 | 18.61 1.27 0.00 | 14.28 0.98 0.00 | 9.03 0.62 -0.01 |
| NYPA_VERNON____GT2 24162 | 12.60 0.80 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.76 0.60 0.00 | 9.57 0.51 -1.96 | 10.26 0.64 -0.92 | 10.83 0.74 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.85 1.24 -4.84 | 26.24 1.78 0.00 | 18.58 1.24 0.00 | 14.27 0.96 0.00 | 9.03 0.61 -0.01 |
| NYPA_VERNON____GT3 24163 | 12.60 0.80 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.76 0.60 0.00 | 9.57 0.51 -1.96 | 10.26 0.64 -0.92 | 10.83 0.74 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.85 1.24 -4.84 | 26.24 1.78 0.00 | 18.58 1.24 0.00 | 14.27 0.96 0.00 | 9.03 0.61 -0.01 |
| NYPA____ASTORIA_CC1 323568 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.15 -2.03 | 21.84 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.23 0.00 | 14.26 0.96 0.00 | 9.02 0.61 -0.01 |
| NYPA____ASTORIA_CC2 323569 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.79 0.00 | 13.23 0.82 0.00 | 9.75 0.60 0.00 | 9.57 0.51 -1.96 | 10.25 0.63 -0.92 | 10.83 0.74 0.00 | 11.61 0.49 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.66 0.95 -0.21 | 15.18 1.00 0.00 | 20.00 1.15 -2.03 | 21.84 1.23 -4.84 | 26.22 1.76 0.00 | 18.58 1.23 0.00 | 14.26 0.96 0.00 | 9.02 0.61 -0.01 |
| NYPA____HOLTSVILL 23794 | 12.74 0.94 -0.39 | 10.78 0.70 -1.89 | 10.03 0.72 0.00 | 12.36 0.84 0.00 | 8.89 0.57 -0.71 | 7.19 0.37 -1.46 | 13.03 0.85 0.00 | 14.54 0.88 0.00 | 13.29 0.88 0.00 | 9.75 0.60 0.00 | 9.59 0.54 -1.95 | 10.22 0.60 -0.91 | 10.78 0.69 0.00 | 11.61 0.51 -5.25 | 5.35 0.30 -2.00 | 9.21 0.52 -3.10 | 14.83 1.11 -0.21 | 15.38 1.20 0.00 | 20.30 1.46 -2.03 | 21.98 1.37 -4.84 | 26.42 1.96 0.00 | 18.80 1.45 0.00 | 14.44 1.14 0.00 | 9.17 0.76 0.00 |
| NYPA____HELLGATE_GT1 24158 | 12.55 0.76 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.21 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.48 -1.96 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.17 0.99 0.00 | 19.96 1.11 -2.03 | 21.75 1.14 -4.84 | 26.07 1.61 0.00 | 18.48 1.13 0.00 | 14.22 0.91 0.00 | 8.99 0.57 -0.01 |
| NYPA____HELLGATE_GT2 24159 | 12.55 0.76 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.47 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.21 0.80 0.00 | 9.73 0.58 0.00 | 9.54 0.48 -1.96 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.59 0.47 -5.26 | 5.28 0.23 -2.00 | 9.12 0.43 -3.10 | 14.63 0.92 -0.21 | 15.17 0.99 0.00 | 19.96 1.11 -2.03 | 21.75 1.14 -4.84 | 26.07 1.61 0.00 | 18.48 1.13 0.00 | 14.22 0.91 0.00 | 8.99 0.57 -0.01 |
| NYS_BARGE____HYD 23848 | 10.88 -0.59 -0.06 | 7.94 -0.52 -0.28 | 8.62 -0.69 0.00 | 10.68 -0.83 0.00 | 7.15 -0.56 -0.10 | 5.17 -0.39 -0.22 | 11.40 -0.78 0.00 | 12.80 -0.85 0.00 | 11.86 -0.54 0.00 | 8.91 -0.24 0.00 | 6.86 -0.24 0.00 | 8.41 -0.29 0.00 | 9.73 -0.35 0.00 | 5.52 -0.34 0.00 | 3.19 -0.16 -0.30 | 5.53 -0.36 -0.30 | 12.72 -0.81 -0.03 | 13.31 -0.87 0.00 | 15.99 -1.13 -0.30 | 15.59 -0.90 -0.71 | 19.55 -1.58 3.32 | 13.22 -1.11 3.01 | 11.53 -0.87 0.90 | 7.89 -0.53 0.00 |
| OAK ORCHARD____HYD 24046 | 11.19 -0.26 -0.05 | 8.17 -0.24 -0.22 | 8.97 -0.34 0.00 | 11.10 -0.41 0.00 | 7.41 -0.28 -0.08 | 5.33 -0.19 -0.17 | 11.80 -0.37 0.00 | 13.26 -0.40 0.00 | 12.16 -0.24 0.00 | 9.05 -0.10 0.00 | 7.01 -0.09 0.00 | 8.60 -0.11 0.00 | 9.95 -0.13 0.00 | 5.72 -0.14 0.00 | 3.22 -0.07 -0.23 | 5.72 -0.14 -0.27 | 13.27 -0.26 -0.02 | 13.93 -0.24 0.00 | 16.74 -0.31 -0.23 | 16.10 -0.24 -0.57 | 23.94 -0.52 0.00 | 16.92 -0.42 0.00 | 12.95 -0.35 0.00 | 8.19 -0.22 0.00 |
| OAKDALE__35_KV_LOAD 356122 | 11.56 0.03 -0.12 | 8.81 0.03 -0.59 | 9.32 0.01 0.00 | 11.53 0.01 0.00 | 7.85 0.02 -0.22 | 5.81 0.00 -0.46 | 12.21 0.03 0.00 | 13.69 0.04 0.00 | 12.46 0.06 0.00 | 9.22 0.07 0.00 | 7.16 0.06 0.00 | 8.79 0.08 0.00 | 10.17 0.08 0.00 | 5.89 0.03 0.00 | 3.70 0.02 -0.63 | 6.34 0.03 -0.73 | 13.66 0.09 -0.07 | 14.29 0.11 0.00 | 17.54 0.09 -0.64 | 17.49 0.20 -1.52 | 24.71 0.25 0.00 | 17.42 0.08 0.00 | 13.38 0.08 0.00 | 8.46 0.05 0.00 |
| OCC_CHEM____DRP 24175 | 10.73 -0.74 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.19 -0.99 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.78 -0.37 0.00 | 6.77 -0.34 0.00 | 8.30 -0.41 0.00 | 9.62 -0.47 0.00 | 5.45 -0.41 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.07 -1.11 0.00 | 15.68 -1.45 -0.31 | 15.27 -1.24 -0.74 | 18.71 -2.04 3.71 | 12.61 -1.37 3.36 | 11.15 -1.15 1.00 | 7.73 -0.68 0.00 |
| OH_GEN_PROXY 24063 | 10.83 -0.64 -0.06 | 7.93 -0.55 -0.29 | 8.59 -0.73 0.00 | 10.63 -0.89 0.00 | 7.12 -0.60 -0.11 | 5.15 -0.42 -0.22 | 11.32 -0.85 0.00 | 12.72 -0.94 0.00 | 11.78 -0.63 0.00 | 8.85 -0.31 0.00 | 6.83 -0.27 0.00 | 8.37 -0.33 0.00 | 9.70 -0.39 0.00 | 5.51 -0.35 0.00 | 3.18 -0.17 -0.30 | 5.52 -0.38 -0.31 | 12.82 -0.85 -0.18 | 13.25 -0.93 0.00 | 15.94 -1.19 -0.31 | 15.52 -0.99 -0.73 | 25.26 -1.69 -2.50 | 13.14 -1.22 2.99 | 11.47 -0.94 0.89 | 7.84 -0.57 0.00 |
| OLIN_CORP_DRP 24177 | 10.73 -0.74 -0.06 | 7.85 -0.63 -0.29 | 8.50 -0.81 0.00 | 10.55 -0.97 0.00 | 7.07 -0.65 -0.11 | 5.12 -0.45 -0.22 | 11.23 -0.95 0.00 | 12.62 -1.03 0.00 | 11.71 -0.70 0.00 | 8.81 -0.34 0.00 | 6.77 -0.33 0.00 | 8.31 -0.40 0.00 | 9.61 -0.48 0.00 | 5.45 -0.42 0.00 | 3.16 -0.20 -0.31 | 5.46 -0.43 -0.31 | 12.51 -1.02 -0.03 | 13.08 -1.10 0.00 | 15.73 -1.40 -0.31 | 15.37 -1.14 -0.74 | 18.74 -2.00 3.71 | 12.59 -1.38 3.36 | 11.22 -1.08 1.00 | 7.77 -0.64 0.00 |
| OLIN_CORP_DSASP 323712 | 10.73 -0.73 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.20 -0.97 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.77 -0.38 0.00 | 6.77 -0.34 0.00 | 8.30 -0.40 0.00 | 9.62 -0.47 0.00 | 5.45 -0.42 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.08 -1.10 0.00 | 15.69 -1.44 -0.31 | 15.27 -1.24 -0.74 | 18.72 -2.03 3.71 | 12.63 -1.35 3.36 | 11.17 -1.13 1.00 | 7.73 -0.68 0.00 |

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|---|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| ONEIDA_HERK_LFGE 323681 | 11.59 0.17 -0.01 | 8.37 0.11 -0.07 | 9.41 0.10 0.00 | 11.65 0.13 0.00 | 7.68 0.05 -0.03 | 5.42 0.02 -0.05 | 12.21 0.03 0.00 | 13.67 0.02 0.00 | 12.47 0.07 0.00 | 9.24 0.03 -0.06 | 7.10 0.00 0.00 | 8.66 -0.04 0.00 | 10.04 -0.05 0.00 | 5.81 -0.05 0.00 | 3.15 -0.02 -0.12 | 6.14 -0.05 -0.59 | 14.22 -0.05 -0.76 | 15.04 0.05 -0.82 | 17.86 0.10 -0.94 | 16.86 0.07 -1.01 | 24.88 0.09 -0.34 | 18.17 0.09 -0.74 | 13.36 0.05 -0.01 | 8.41 0.00 0.00 |
| ONEIDA___115KV_TB4 55905 | 11.61 0.18 -0.02 | 8.43 0.13 -0.11 | 9.44 0.12 0.00 | 11.68 0.16 0.00 | 7.75 0.10 -0.04 | 5.50 0.06 -0.09 | 12.33 0.16 0.00 | 13.83 0.18 0.00 | 12.58 0.18 0.00 | 9.27 0.12 0.00 | 7.17 0.07 0.00 | 8.79 0.08 0.00 | 10.18 0.09 0.00 | 5.91 0.04 0.00 | 3.20 0.02 -0.12 | 5.77 0.04 -0.14 | 13.70 0.19 -0.01 | 14.42 0.24 0.00 | 17.27 0.33 -0.12 | 16.40 0.33 -0.30 | 24.92 0.46 0.00 | 17.62 0.27 0.00 | 13.49 0.19 0.00 | 8.51 0.10 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 11.41 -0.04 -0.04 | 8.36 -0.03 -0.21 | 9.25 -0.06 0.00 | 11.44 -0.07 0.00 | 7.64 -0.05 -0.08 | 5.47 -0.04 -0.16 | 12.11 -0.07 0.00 | 13.59 -0.07 0.00 | 12.37 -0.04 0.00 | 9.14 -0.01 0.00 | 7.09 -0.01 0.00 | 8.70 -0.01 0.00 | 10.07 -0.01 0.00 | 5.85 -0.02 0.00 | 3.26 -0.01 -0.22 | 5.82 -0.02 -0.25 | 13.52 0.00 -0.02 | 14.20 0.03 0.00 | 17.08 0.04 -0.22 | 16.39 0.09 -0.53 | 24.53 0.07 0.00 | 17.34 -0.01 0.00 | 13.28 -0.02 0.00 | 8.39 -0.02 0.00 |
| ONONDAGA___COGEN 23986 | 11.43 -0.01 -0.04 | 8.37 -0.01 -0.19 | 9.27 -0.04 0.00 | 11.47 -0.05 0.00 | 7.64 -0.03 -0.07 | 5.47 -0.02 -0.15 | 12.13 -0.05 0.00 | 13.61 -0.04 0.00 | 12.40 -0.01 0.00 | 9.16 0.01 0.00 | 7.11 0.01 0.00 | 8.72 0.02 0.00 | 10.09 0.01 0.00 | 5.86 0.00 0.00 | 3.25 0.00 -0.20 | 5.82 0.00 -0.23 | 13.55 0.03 -0.02 | 14.24 0.07 0.00 | 17.10 0.09 -0.20 | 16.37 0.11 -0.49 | 24.56 0.11 0.00 | 17.36 0.02 0.00 | 13.31 0.00 0.00 | 8.40 -0.01 0.00 |
| ONTARIO___LFGE 23819 | 11.36 -0.10 -0.05 | 8.38 -0.08 -0.27 | 9.19 -0.12 0.00 | 11.36 -0.16 0.00 | 7.61 -0.10 -0.10 | 5.49 -0.06 -0.21 | 12.07 -0.10 0.00 | 13.54 -0.11 0.00 | 12.35 -0.05 0.00 | 9.14 -0.01 0.00 | 7.08 -0.02 0.00 | 8.68 -0.02 0.00 | 10.04 -0.05 0.00 | 5.80 -0.06 0.00 | 3.31 -0.03 -0.28 | 5.89 -0.06 -0.35 | 13.54 0.00 -0.03 | 14.25 0.07 0.00 | 17.18 0.08 -0.28 | 16.56 0.11 -0.68 | 26.35 0.02 -1.87 | 18.97 -0.06 -1.70 | 13.77 -0.04 -0.51 | 8.38 -0.03 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 10.89 -0.59 -0.07 | 8.08 -0.45 -0.34 | 8.72 -0.60 0.00 | 10.77 -0.75 0.00 | 7.24 -0.50 -0.13 | 5.25 -0.36 -0.27 | 11.42 -0.76 0.00 | 12.82 -0.84 0.00 | 11.80 -0.60 0.00 | 8.82 -0.33 0.00 | 6.82 -0.29 0.00 | 8.33 -0.37 0.00 | 9.60 -0.49 0.00 | 5.47 -0.40 0.00 | 3.23 -0.19 -0.36 | 5.45 -0.39 -0.25 | 12.63 -0.91 -0.04 | 13.25 -0.92 0.00 | 15.99 -1.21 -0.38 | 15.75 -0.89 -0.87 | 9.91 -1.44 13.10 | 4.41 -1.05 11.88 | 9.02 -0.74 3.55 | 7.99 -0.42 0.00 |
| ORANGEVILLE___ESR 323794 | 10.89 -0.59 -0.07 | 8.08 -0.45 -0.34 | 8.72 -0.60 0.00 | 10.77 -0.75 0.00 | 7.24 -0.50 -0.13 | 5.25 -0.36 -0.27 | 11.42 -0.76 0.00 | 12.82 -0.84 0.00 | 11.80 -0.60 0.00 | 8.82 -0.33 0.00 | 6.82 -0.29 0.00 | 8.33 -0.37 0.00 | 9.60 -0.49 0.00 | 5.47 -0.40 0.00 | 3.23 -0.19 -0.36 | 5.45 -0.39 -0.25 | 12.63 -0.91 -0.04 | 13.25 -0.92 0.00 | 15.99 -1.21 -0.38 | 15.75 -0.89 -0.87 | 9.91 -1.44 13.10 | 4.41 -1.05 11.88 | 9.02 -0.74 3.55 | 7.99 -0.42 0.00 |
| OSWEGATCHIE___HYD 24044 | 11.46 0.04 -0.01 | 8.22 -0.02 -0.05 | 9.25 -0.06 0.00 | 11.49 -0.02 0.00 | 7.54 -0.09 -0.02 | 5.30 -0.09 -0.04 | 11.97 -0.21 0.00 | 13.40 -0.26 0.00 | 12.18 -0.24 -0.01 | 9.24 -0.18 -0.27 | 6.92 -0.18 0.00 | 8.42 -0.28 0.00 | 9.74 -0.34 0.00 | 5.65 -0.22 0.00 | 3.24 -0.11 -0.29 | 7.87 -0.19 -2.48 | 16.63 -0.44 -3.57 | 17.70 -0.34 -3.87 | 20.64 -0.35 -4.17 | 19.46 -0.41 -4.09 | 25.45 -0.60 -1.60 | 20.50 -0.34 -3.50 | 13.09 -0.25 -0.03 | 8.23 -0.18 0.00 |
| OSWEGO___5 23606 | 11.20 -0.24 -0.03 | 8.15 -0.17 -0.13 | 9.10 -0.22 0.00 | 11.25 -0.26 0.00 | 7.48 -0.18 -0.05 | 5.33 -0.12 -0.10 | 11.90 -0.27 0.00 | 13.35 -0.30 0.00 | 12.15 -0.25 0.00 | 8.98 -0.17 0.00 | 6.97 -0.14 0.00 | 8.54 -0.16 0.00 | 9.89 -0.20 0.00 | 5.74 -0.12 0.00 | 3.13 -0.06 -0.14 | 5.63 -0.12 -0.16 | 13.25 -0.27 -0.01 | 13.92 -0.26 0.00 | 16.65 -0.30 -0.14 | 15.85 -0.26 -0.34 | 24.01 -0.44 0.00 | 17.00 -0.35 0.00 | 13.03 -0.27 0.00 | 8.23 -0.18 0.00 |
| OSWEGO___6 23613 | 11.20 -0.24 -0.03 | 8.15 -0.17 -0.13 | 9.10 -0.22 0.00 | 11.25 -0.26 0.00 | 7.48 -0.18 -0.05 | 5.33 -0.12 -0.10 | 11.90 -0.27 0.00 | 13.35 -0.30 0.00 | 12.15 -0.25 0.00 | 8.98 -0.17 0.00 | 6.97 -0.14 0.00 | 8.54 -0.16 0.00 | 9.89 -0.20 0.00 | 5.74 -0.12 0.00 | 3.13 -0.06 -0.14 | 5.63 -0.12 -0.16 | 13.25 -0.27 -0.01 | 13.92 -0.26 0.00 | 16.65 -0.30 -0.14 | 15.85 -0.26 -0.34 | 24.01 -0.44 0.00 | 17.00 -0.35 0.00 | 13.03 -0.27 0.00 | 8.23 -0.18 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 10.97 -0.50 -0.06 | 8.02 -0.46 -0.29 | 8.69 -0.62 0.00 | 10.76 -0.76 0.00 | 7.21 -0.51 -0.11 | 5.22 -0.36 -0.22 | 11.45 -0.73 0.00 | 12.88 -0.78 0.00 | 11.94 -0.46 0.00 | 8.98 -0.18 0.00 | 6.91 -0.19 0.00 | 8.48 -0.22 0.00 | 9.82 -0.27 0.00 | 5.57 -0.29 0.00 | 3.22 -0.14 -0.31 | 5.58 -0.32 -0.31 | 12.82 -0.72 -0.03 | 13.39 -0.78 0.00 | 16.10 -1.03 -0.32 | 15.71 -0.81 -0.75 | 19.20 -1.41 3.85 | 12.86 -0.99 3.49 | 11.45 -0.81 1.04 | 7.94 -0.47 0.00 |
| OXBOW___ 24026 | 10.86 -0.60 -0.06 | 7.94 -0.53 -0.29 | 8.59 -0.72 0.00 | 10.65 -0.87 0.00 | 7.13 -0.58 -0.11 | 5.17 -0.41 -0.22 | 11.35 -0.83 0.00 | 12.73 -0.92 0.00 | 11.81 -0.59 0.00 | 8.89 -0.26 0.00 | 6.85 -0.25 0.00 | 8.41 -0.30 0.00 | 9.73 -0.35 0.00 | 5.52 -0.34 0.00 | 3.19 -0.17 -0.31 | 5.53 -0.37 -0.31 | 12.67 -0.86 -0.03 | 13.26 -0.92 0.00 | 15.92 -1.21 -0.31 | 15.52 -1.00 -0.74 | 19.00 -1.67 3.78 | 12.77 -1.15 3.43 | 11.33 -0.95 1.02 | 7.85 -0.56 0.00 |
| OXY_CHEM_DSASP 323612 | 10.73 -0.74 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.19 -0.99 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.78 -0.37 0.00 | 6.77 -0.34 0.00 | 8.30 -0.41 0.00 | 9.62 -0.47 0.00 | 5.45 -0.41 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.07 -1.11 0.00 | 15.68 -1.45 -0.31 | 15.27 -1.24 -0.74 | 18.71 -2.04 3.71 | 12.61 -1.37 3.36 | 11.15 -1.15 1.00 | 7.73 -0.68 0.00 |
| OZONE_PARK_ESR 323760 | 12.64 0.85 -0.39 | 10.71 0.64 -1.89 | 9.98 0.67 0.00 | 12.31 0.79 0.00 | 8.85 0.53 -0.71 | 7.18 0.37 -1.46 | 12.99 0.82 0.00 | 14.53 0.87 0.00 | 13.29 0.89 0.00 | 9.80 0.65 0.00 | 9.60 0.55 -1.95 | 10.31 0.69 -0.92 | 10.89 0.81 0.00 | 11.64 0.52 -5.26 | 5.32 0.27 -2.00 | 9.17 0.48 -3.10 | 14.79 1.07 -0.21 | 15.31 1.14 0.00 | 20.16 1.31 -2.03 | 21.95 1.34 -4.84 | 26.40 1.94 0.00 | 18.69 1.35 0.00 | 14.35 1.05 0.00 | 9.07 0.66 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 10.73 -0.74 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.19 -0.99 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.78 -0.37 0.00 | 6.77 -0.34 0.00 | 8.30 -0.41 0.00 | 9.62 -0.47 0.00 | 5.45 -0.41 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.07 -1.11 0.00 | 15.68 -1.45 -0.31 | 15.27 -1.24 -0.74 | 18.71 -2.04 3.71 | 12.61 -1.37 3.36 | 11.15 -1.15 1.00 | 7.73 -0.68 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-----------------------|
| PACKARD__115KV_DUPONT_184 80571 | 10.73 -0.74 -0.06 | 7.85 -0.63 -0.29 | 8.49 -0.82 0.00 | 10.51 -1.01 0.00 | 7.04 -0.68 -0.11 | 5.10 -0.47 -0.22 | 11.19 -0.99 0.00 | 12.58 -1.08 0.00 | 11.67 -0.74 0.00 | 8.78 -0.37 0.00 | 6.77 -0.34 0.00 | 8.30 -0.41 0.00 | 9.62 -0.47 0.00 | 5.45 -0.41 0.00 | 3.15 -0.20 -0.30 | 5.46 -0.44 -0.31 | 12.51 -1.02 -0.03 | 13.07 -1.11 0.00 | 15.68 -1.45 -0.31 | 15.27 -1.24 -0.74 | 18.71 -2.04 3.71 | 12.61 -1.37 3.36 | 11.15 -1.15 1.00 | 7.73 -0.68 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 12.55 0.75 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.42 0.77 0.00 | 13.20 0.79 0.00 | 9.72 0.57 0.00 | 9.53 0.48 -1.95 | 10.21 0.59 -0.92 | 10.77 0.69 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.63 0.92 -0.21 | 15.19 1.01 0.00 | 19.98 1.13 -2.03 | 21.75 1.14 -4.83 | 26.07 1.61 0.00 | 18.47 1.13 0.00 | 14.19 0.89 0.00 | 8.97 0.56 0.00 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 12.55 0.75 -0.39 | 10.66 0.58 -1.89 | 9.92 0.61 0.00 | 12.24 0.72 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.43 0.77 0.00 | 13.20 0.80 0.00 | 9.72 0.57 0.00 | 9.53 0.48 -1.95 | 10.21 0.59 -0.92 | 10.77 0.69 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.63 0.92 -0.21 | 15.19 1.01 0.00 | 19.98 1.13 -2.03 | 21.75 1.14 -4.83 | 26.07 1.62 0.00 | 18.48 1.13 0.00 | 14.19 0.89 0.00 | 8.97 0.56 0.00 |
| PATROON__115KV_TB1 80586 | 12.15 0.24 -0.50 | 10.83 0.19 -2.45 | 9.50 0.19 0.00 | 11.77 0.25 0.00 | 8.70 0.17 -0.92 | 7.36 0.12 -1.89 | 12.42 0.25 0.00 | 13.87 0.22 0.00 | 12.63 0.23 0.00 | 9.30 0.15 0.00 | 7.98 0.14 -0.74 | 9.23 0.17 -0.35 | 10.28 0.19 0.00 | 7.98 0.13 -1.99 | 5.71 0.07 -2.59 | 9.08 0.14 -3.35 | 14.05 0.28 -0.27 | 14.52 0.34 0.00 | 19.86 0.41 -2.63 | 22.42 0.38 -6.26 | 24.99 0.53 0.00 | 17.65 0.31 0.00 | 13.55 0.25 0.00 | 8.56 0.15 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 11.19 -0.28 -0.06 | 8.22 -0.28 -0.31 | 8.90 -0.41 0.00 | 11.02 -0.50 0.00 | 7.38 -0.34 -0.12 | 5.35 -0.24 -0.24 | 11.72 -0.46 0.00 | 13.19 -0.46 0.00 | 12.19 -0.21 0.00 | 9.14 -0.01 0.00 | 7.06 -0.04 0.00 | 8.66 -0.05 0.00 | 10.02 -0.07 0.00 | 5.70 -0.16 0.00 | 3.31 -0.07 -0.33 | 5.72 -0.20 -0.33 | 13.15 -0.38 -0.04 | 13.75 -0.43 0.00 | 16.55 -0.61 -0.34 | 16.18 -0.40 -0.80 | 19.71 -0.72 4.02 | 13.11 -0.58 3.64 | 11.76 -0.45 1.09 | 8.16 -0.25 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 12.52 0.72 -0.40 | 10.68 0.54 -1.95 | 9.87 0.56 0.00 | 12.18 0.67 0.00 | 8.80 0.46 -0.73 | 7.17 0.31 -1.50 | 12.88 0.70 0.00 | 14.42 0.76 0.00 | 13.17 0.76 0.00 | 9.70 0.55 0.00 | 8.62 0.47 -1.05 | 9.79 0.59 -0.49 | 10.77 0.68 0.00 | 9.12 0.44 -2.82 | 5.33 0.22 -2.06 | 9.10 0.41 -3.10 | 14.66 0.94 -0.22 | 15.19 1.02 0.00 | 20.12 1.21 -2.09 | 21.97 1.22 -4.98 | 26.23 1.77 0.00 | 18.54 1.20 0.00 | 14.21 0.91 0.00 | 8.98 0.57 0.00 |
| PEEKSKILL____ 23653 | 12.41 0.62 -0.37 | 10.51 0.48 -1.84 | 9.80 0.49 0.00 | 12.10 0.58 0.00 | 8.70 0.40 -0.69 | 7.04 0.27 -1.42 | 12.79 0.61 0.00 | 14.30 0.65 0.00 | 13.06 0.66 0.00 | 9.63 0.48 0.00 | 9.60 0.41 -2.09 | 10.19 0.51 -0.98 | 10.68 0.59 0.00 | 11.89 0.39 -5.63 | 5.20 0.20 -1.94 | 9.05 0.36 -3.09 | 14.52 0.81 -0.21 | 15.05 0.87 0.00 | 19.82 1.03 -1.97 | 21.52 1.05 -4.70 | 25.97 1.51 0.00 | 18.38 1.04 0.00 | 14.09 0.79 0.00 | 8.91 0.50 0.00 |
| PGE MADISON__WINDPWR 24146 | 12.01 0.48 -0.12 | 9.12 0.33 -0.60 | 9.67 0.35 0.00 | 11.95 0.44 0.00 | 8.15 0.32 -0.22 | 6.05 0.24 -0.46 | 12.74 0.56 0.00 | 14.24 0.58 0.00 | 12.93 0.53 0.00 | 9.53 0.38 0.00 | 7.39 0.29 0.00 | 9.02 0.32 0.00 | 10.39 0.30 0.00 | 6.08 0.21 0.00 | 3.79 0.10 -0.63 | 6.51 0.18 -0.74 | 14.20 0.63 -0.07 | 14.89 0.72 0.00 | 18.36 0.90 -0.65 | 18.34 1.03 -1.54 | 26.55 1.47 -0.62 | 18.85 0.95 -0.56 | 14.15 0.68 -0.17 | 8.78 0.37 0.00 |
| PIERCEFIELD____HYD 23852 | 11.47 0.06 0.00 | 8.16 -0.03 0.00 | 9.27 -0.04 0.00 | 11.53 0.01 0.00 | 7.56 -0.05 0.00 | 5.31 -0.04 0.00 | 12.08 -0.10 0.00 | 13.57 -0.08 0.00 | 12.25 -0.16 -0.01 | 9.45 -0.10 0.00 | 6.98 -0.12 0.00 | 8.53 -0.17 0.00 | 9.88 -0.20 0.00 | 5.74 -0.13 0.00 | 3.33 -0.06 -0.34 | 9.01 -0.11 -3.53 | 18.45 -0.27 -5.21 | 19.56 -0.27 -5.66 | 22.55 -0.28 -6.02 | 21.22 -0.34 -5.79 | 26.34 -0.46 -2.34 | 22.22 -0.24 -5.12 | 13.18 -0.17 -0.05 | 8.32 -0.09 0.00 |
| PINELAWN_CC_1 323563 | 12.67 0.88 -0.39 | 10.74 0.66 -1.89 | 9.99 0.68 0.00 | 12.31 0.79 0.00 | 8.86 0.54 -0.71 | 7.17 0.36 -1.46 | 12.97 0.80 0.00 | 14.48 0.83 0.00 | 13.23 0.83 0.00 | 9.72 0.57 0.00 | 9.57 0.52 -1.95 | 10.21 0.59 -0.91 | 10.77 0.69 0.00 | 11.61 0.50 -5.25 | 5.34 0.29 -2.00 | 9.19 0.50 -3.10 | 14.79 1.08 -0.21 | 15.32 1.14 0.00 | 20.23 1.38 -2.03 | 21.92 1.31 -4.84 | 26.35 1.89 0.00 | 18.75 1.41 0.00 | 14.40 1.10 0.00 | 9.13 0.72 0.00 |
| PJM_GEN_HTP_PROXY 323702 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.79 0.47 -0.71 | 7.14 0.33 -1.46 | 12.90 0.71 0.00 | 14.42 0.76 0.00 | 13.19 0.79 0.00 | 9.73 0.58 0.00 | 9.54 0.49 -1.95 | 10.23 0.62 -0.92 | 10.80 0.72 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.66 0.95 -0.21 | 15.17 1.00 0.00 | 20.00 1.15 -2.03 | 21.80 1.19 -4.84 | 26.16 1.70 0.00 | 18.52 1.18 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| PJM_GEN_KEystone 24065 | 11.75 0.12 -0.22 | 9.38 0.09 -1.10 | 9.36 0.05 0.00 | 11.57 0.05 0.00 | 8.07 0.04 -0.41 | 6.23 0.02 -0.85 | 12.26 0.08 0.00 | 13.74 0.09 0.00 | 12.59 0.19 0.00 | 9.33 0.17 0.00 | 5.18 0.15 2.07 | 7.92 0.19 0.97 | 10.30 0.22 0.00 | 0.40 0.11 5.57 | 4.28 0.06 -1.16 | 7.51 0.09 -1.83 | 13.84 0.22 -0.12 | 14.40 0.22 0.00 | 18.20 0.20 -1.18 | 18.90 0.31 -2.81 | 23.78 0.38 1.06 | 16.59 0.21 0.96 | 13.18 0.17 0.29 | 8.53 0.11 0.00 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 12.51 0.71 -0.39 | 10.63 0.55 -1.89 | 9.87 0.56 0.00 | 12.17 0.65 0.00 | 8.77 0.45 -0.71 | 7.11 0.29 -1.46 | 12.83 0.65 0.00 | 14.32 0.67 0.00 | 13.10 0.69 0.00 | 9.63 0.48 0.00 | 9.51 0.46 -1.95 | 10.15 0.53 -0.91 | 10.72 0.63 0.00 | 11.56 0.46 -5.25 | 5.30 0.25 -2.00 | 9.13 0.43 -3.10 | 14.63 0.92 -0.21 | 15.14 0.97 0.00 | 19.98 1.14 -2.03 | 21.69 1.08 -4.84 | 26.01 1.55 0.00 | 18.50 1.17 0.00 | 14.23 0.93 0.00 | 9.03 0.62 0.00 |
| PJM_GEN_VFT_PROXY 323633 | 12.50 0.71 -0.39 | 10.63 0.55 -1.89 | 9.87 0.56 0.00 | 12.18 0.66 0.00 | 8.78 0.46 -0.71 | 7.13 0.31 -1.46 | 12.86 0.68 0.00 | 14.38 0.72 0.00 | 13.15 0.75 0.00 | 9.69 0.54 0.00 | 9.51 0.46 -1.95 | 10.21 0.59 -0.92 | 10.76 0.68 0.00 | 11.57 0.45 -5.26 | 5.28 0.23 -2.00 | 9.10 0.41 -3.10 | 14.62 0.90 -0.21 | 15.14 0.96 0.00 | 19.95 1.10 -2.03 | 21.76 1.15 -4.84 | 26.08 1.62 0.00 | 18.48 1.14 0.00 | 14.18 0.87 0.00 | 8.97 0.56 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 11.81 0.40 0.00 | 8.27 0.08 0.00 | 9.39 0.07 0.00 | 11.64 0.12 0.00 | 7.67 0.06 0.00 | 5.36 0.00 0.00 | 12.04 -0.14 0.00 | 13.55 -0.10 0.00 | 11.94 -0.37 0.09 | 6.37 -0.28 2.50 | 6.87 -0.23 0.00 | 8.46 -0.24 0.00 | 9.78 -0.30 0.00 | 5.68 -0.19 0.00 | 0.85 -0.10 2.11 | -16.78 -0.23 22.15 | -19.75 -0.53 32.71 | -21.90 -0.58 35.50 | -21.60 -0.68 37.74 | -21.20 -0.66 36.31 | 8.92 -0.86 14.67 | -15.38 -0.59 32.13 | 12.72 -0.29 0.29 | 8.28 -0.13 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|
| PLEASANTVLY___LBMP 24000 | 12.39 0.56 -0.42 | 10.67 0.43 -2.05 | 9.76 0.45 0.00 | 12.05 0.53 0.00 | 8.74 0.36 -0.77 | 7.18 0.25 -1.58 | 12.73 0.55 0.00 | 14.24 0.58 0.00 | 12.99 0.59 0.00 | 9.57 0.42 0.00 | 8.84 0.36 -1.38 | 9.80 0.45 -0.65 | 10.61 0.52 0.00 | 9.93 0.35 -3.72 | 5.39 0.18 -2.16 | 9.05 0.33 -3.13 | 14.45 0.72 -0.23 | 14.95 0.78 0.00 | 19.94 0.92 -2.20 | 21.95 0.94 -5.24 | 25.80 1.34 0.00 | 18.24 0.90 0.00 | 14.00 0.70 0.00 | 8.85 0.44 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 12.47 0.67 -0.39 | 10.63 0.51 -1.94 | 9.83 0.52 0.00 | 12.14 0.62 0.00 | 8.76 0.43 -0.72 | 7.14 0.29 -1.49 | 12.83 0.65 0.00 | 14.35 0.69 0.00 | 13.11 0.70 0.00 | 9.66 0.51 0.00 | 9.31 0.44 -1.78 | 10.08 0.54 -0.83 | 10.72 0.63 0.00 | 11.07 0.42 -4.79 | 5.31 0.21 -2.04 | 9.09 0.39 -3.11 | 14.58 0.86 -0.22 | 15.10 0.92 0.00 | 19.97 1.08 -2.08 | 21.82 1.11 -4.94 | 26.06 1.60 0.00 | 18.44 1.10 0.00 | 14.15 0.85 0.00 | 8.94 0.53 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 12.47 0.67 -0.39 | 10.63 0.51 -1.94 | 9.83 0.52 0.00 | 12.14 0.62 0.00 | 8.76 0.43 -0.72 | 7.14 0.29 -1.49 | 12.83 0.65 0.00 | 14.35 0.69 0.00 | 13.11 0.70 0.00 | 9.66 0.51 0.00 | 9.31 0.44 -1.78 | 10.08 0.54 -0.83 | 10.72 0.63 0.00 | 11.07 0.42 -4.79 | 5.31 0.21 -2.04 | 9.09 0.39 -3.11 | 14.58 0.86 -0.22 | 15.10 0.92 0.00 | 19.97 1.08 -2.08 | 21.82 1.11 -4.94 | 26.06 1.60 0.00 | 18.44 1.10 0.00 | 14.15 0.85 0.00 | 8.94 0.53 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 12.45 0.64 -0.40 | 10.65 0.49 -1.98 | 9.81 0.50 0.00 | 12.12 0.60 0.00 | 8.76 0.41 -0.74 | 7.17 0.28 -1.53 | 12.81 0.63 0.00 | 14.34 0.68 0.00 | 13.07 0.67 0.00 | 9.63 0.48 0.00 | 8.29 0.41 -0.78 | 9.58 0.51 -0.36 | 10.67 0.58 0.00 | 8.34 0.38 -2.10 | 5.34 0.19 -2.09 | 9.06 0.36 -3.10 | 14.54 0.82 -0.22 | 15.08 0.90 0.00 | 20.03 1.09 -2.13 | 21.93 1.09 -5.06 | 26.03 1.58 0.00 | 18.39 1.05 0.00 | 14.10 0.80 0.00 | 8.91 0.50 0.00 |
| POLETTI____ 23519 | 12.54 0.74 -0.39 | 10.65 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.14 0.33 -1.46 | 12.90 0.72 0.00 | 14.41 0.76 0.00 | 13.18 0.79 0.00 | 9.72 0.57 0.00 | 9.54 0.48 -1.95 | 10.23 0.61 -0.92 | 10.80 0.71 0.00 | 11.59 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.65 0.94 -0.21 | 15.17 1.00 0.00 | 19.98 1.13 -2.03 | 21.77 1.16 -4.84 | 26.13 1.67 0.00 | 18.51 1.17 0.00 | 14.21 0.91 0.00 | 8.99 0.58 0.00 |
| POMONA___ESR 323819 | 12.38 0.62 -0.35 | 10.39 0.48 -1.73 | 9.80 0.49 0.00 | 12.10 0.58 0.00 | 8.65 0.39 -0.65 | 6.96 0.27 -1.34 | 12.79 0.61 0.00 | 14.31 0.65 0.00 | 13.06 0.66 0.00 | 9.62 0.47 0.00 | 4.91 0.40 2.60 | 7.99 0.50 1.22 | 10.68 0.59 0.00 | -0.75 0.39 7.00 | 5.08 0.20 -1.83 | 9.07 0.36 -3.12 | 14.51 0.82 -0.19 | 15.06 0.88 0.00 | 19.71 1.04 -1.86 | 21.25 1.05 -4.42 | 25.98 1.52 0.00 | 18.39 1.05 0.00 | 14.09 0.79 0.00 | 8.91 0.50 0.00 |
| PORT_JEFF_3 23555 | 12.76 0.96 -0.39 | 10.79 0.71 -1.89 | 10.05 0.74 0.00 | 12.38 0.86 0.00 | 8.91 0.59 -0.71 | 7.20 0.38 -1.46 | 13.05 0.87 0.00 | 14.56 0.91 0.00 | 13.31 0.91 0.00 | 9.77 0.62 0.00 | 9.60 0.55 -1.95 | 10.23 0.61 -0.91 | 10.79 0.71 0.00 | 11.63 0.52 -5.25 | 5.36 0.31 -2.00 | 9.22 0.53 -3.10 | 14.86 1.15 -0.21 | 15.41 1.24 0.00 | 20.35 1.50 -2.03 | 22.02 1.41 -4.84 | 26.48 2.02 0.00 | 18.84 1.50 0.00 | 14.48 1.18 0.00 | 9.19 0.78 0.00 |
| PORT_JEFF_4 23616 | 12.76 0.96 -0.39 | 10.79 0.71 -1.89 | 10.05 0.74 0.00 | 12.38 0.86 0.00 | 8.91 0.59 -0.71 | 7.20 0.38 -1.46 | 13.05 0.87 0.00 | 14.56 0.91 0.00 | 13.31 0.91 0.00 | 9.77 0.62 0.00 | 9.60 0.55 -1.95 | 10.23 0.61 -0.91 | 10.79 0.71 0.00 | 11.63 0.52 -5.25 | 5.36 0.31 -2.00 | 9.22 0.53 -3.10 | 14.86 1.15 -0.21 | 15.41 1.24 0.00 | 20.35 1.50 -2.03 | 22.02 1.41 -4.84 | 26.48 2.02 0.00 | 18.84 1.50 0.00 | 14.48 1.18 0.00 | 9.19 0.78 0.00 |
| PORT_JEFF_IC 23713 | 12.77 0.97 -0.39 | 10.80 0.72 -1.89 | 10.05 0.74 0.00 | 12.38 0.86 0.00 | 8.91 0.59 -0.71 | 7.20 0.39 -1.46 | 13.05 0.88 0.00 | 14.57 0.91 0.00 | 13.31 0.91 0.00 | 9.77 0.62 0.00 | 9.60 0.55 -1.95 | 10.24 0.62 -0.91 | 10.80 0.71 0.00 | 11.63 0.52 -5.25 | 5.36 0.31 -2.00 | 9.23 0.54 -3.10 | 14.87 1.16 -0.21 | 15.42 1.25 0.00 | 20.37 1.52 -2.03 | 22.04 1.43 -4.84 | 26.51 2.05 0.00 | 18.86 1.52 0.00 | 14.49 1.19 0.00 | 9.19 0.78 0.00 |
| PPL PILGRIM_ST_GT1 24216 | 12.78 0.98 -0.39 | 10.82 0.73 -1.89 | 10.07 0.76 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.08 0.90 0.00 | 14.59 0.94 0.00 | 13.34 0.93 0.00 | 9.79 0.64 0.00 | 9.62 0.57 -1.95 | 10.26 0.65 -0.91 | 10.82 0.74 0.00 | 11.64 0.53 -5.25 | 5.37 0.31 -2.00 | 9.24 0.55 -3.10 | 14.88 1.17 -0.21 | 15.43 1.26 0.00 | 20.37 1.53 -2.03 | 22.04 1.43 -4.84 | 26.53 2.07 0.00 | 18.88 1.54 0.00 | 14.51 1.21 0.00 | 9.20 0.79 0.00 |
| PPL PILGRIM_ST_GT2 24217 | 12.78 0.98 -0.39 | 10.82 0.73 -1.89 | 10.07 0.76 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.08 0.90 0.00 | 14.59 0.94 0.00 | 13.34 0.93 0.00 | 9.79 0.64 0.00 | 9.62 0.57 -1.95 | 10.26 0.65 -0.91 | 10.82 0.74 0.00 | 11.64 0.53 -5.25 | 5.37 0.31 -2.00 | 9.24 0.55 -3.10 | 14.88 1.17 -0.21 | 15.43 1.26 0.00 | 20.37 1.53 -2.03 | 22.04 1.43 -4.84 | 26.53 2.07 0.00 | 18.88 1.54 0.00 | 14.51 1.21 0.00 | 9.20 0.79 0.00 |
| PPL_SHRM_GT3 24213 | 12.82 1.03 -0.39 | 10.84 0.76 -1.89 | 10.09 0.78 0.00 | 12.43 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.11 0.93 0.00 | 14.63 0.98 0.00 | 13.37 0.97 0.00 | 9.81 0.65 0.00 | 9.62 0.57 -1.95 | 10.25 0.63 -0.91 | 10.81 0.72 0.00 | 11.64 0.53 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.21 -0.21 | 15.50 1.32 0.00 | 20.46 1.61 -2.03 | 22.13 1.52 -4.84 | 26.65 2.19 0.00 | 18.94 1.60 0.00 | 14.55 1.25 0.00 | 9.23 0.82 0.00 |
| PPL_SHRM_GT4 24214 | 12.82 1.03 -0.39 | 10.84 0.76 -1.89 | 10.09 0.78 0.00 | 12.43 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.11 0.93 0.00 | 14.63 0.98 0.00 | 13.37 0.97 0.00 | 9.81 0.65 0.00 | 9.62 0.57 -1.95 | 10.25 0.63 -0.91 | 10.81 0.72 0.00 | 11.64 0.53 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.21 -0.21 | 15.50 1.32 0.00 | 20.46 1.61 -2.03 | 22.13 1.52 -4.84 | 26.65 2.19 0.00 | 18.94 1.60 0.00 | 14.55 1.25 0.00 | 9.23 0.82 0.00 |
| PROJECT___ORANGE 1 24174 | 11.34 -0.11 -0.03 | 8.28 -0.08 -0.17 | 9.20 -0.11 0.00 | 11.38 -0.14 0.00 | 7.58 -0.09 -0.06 | 5.41 -0.07 -0.13 | 12.04 -0.14 0.00 | 13.51 -0.15 0.00 | 12.29 -0.11 0.00 | 9.09 -0.06 0.00 | 7.05 -0.05 0.00 | 8.66 -0.05 0.00 | 10.02 -0.06 0.00 | 5.81 -0.05 0.00 | 3.21 -0.02 -0.18 | 5.75 -0.05 -0.21 | 13.44 -0.08 -0.02 | 14.12 -0.05 0.00 | 16.93 -0.07 -0.18 | 16.20 -0.01 -0.43 | 24.37 -0.08 0.00 | 17.23 -0.11 0.00 | 13.20 -0.10 0.00 | 8.34 -0.07 0.00 |
| PROJECT___ORANGE 2 24166 | 11.34 -0.11 -0.03 | 8.28 -0.08 -0.17 | 9.20 -0.11 0.00 | 11.38 -0.14 0.00 | 7.58 -0.09 -0.06 | 5.41 -0.07 -0.13 | 12.04 -0.14 0.00 | 13.51 -0.15 0.00 | 12.29 -0.11 0.00 | 9.09 -0.06 0.00 | 7.05 -0.05 0.00 | 8.66 -0.05 0.00 | 10.02 -0.06 0.00 | 5.81 -0.05 0.00 | 3.21 -0.02 -0.18 | 5.75 -0.05 -0.21 | 13.44 -0.08 -0.02 | 14.12 -0.05 0.00 | 16.93 -0.07 -0.18 | 16.20 -0.01 -0.43 | 24.37 -0.08 0.00 | 17.23 -0.11 0.00 | 13.20 -0.10 0.00 | 8.34 -0.07 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| PUCKETT___SOLAR 323809 | 11.69 | 8.92 | 9.42 | 11.65 | 7.94 | 5.90 | 12.34 | 13.85 | 12.57 | 9.30 | 7.21 | 8.85 | 10.21 | 5.93 | 3.75 | 6.40 | 13.78 | 14.44 | 17.81 | 17.79 | 25.05 | 17.65 | 13.55 | 8.55 |
| | 0.15 | 0.11 | 0.10 | 0.13 | 0.09 | 0.06 | 0.17 | 0.19 | 0.17 | 0.15 | 0.12 | 0.15 | 0.13 | 0.06 | 0.04 | 0.05 | 0.21 | 0.27 | 0.32 | 0.42 | 0.59 | 0.31 | 0.24 | 0.14 |
| | -0.13 | -0.62 | 0.00 | 0.00 | -0.23 | -0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.66 | -0.76 | -0.07 | 0.00 | -0.67 | -1.59 | 0.00 | 0.00 | 0.00 | 0.00 |
| PYRITES___HYD 24023 | 11.57 | 8.24 | 9.37 | 11.64 | 7.65 | 5.38 | 12.26 | 13.79 | 12.45 | 9.57 | 7.09 | 8.66 | 10.01 | 5.81 | 3.33 | 8.74 | 18.14 | 19.22 | 22.25 | 20.92 | 26.54 | 22.00 | 13.38 | 8.45 |
| | 0.16 | 0.05 | 0.06 | 0.12 | 0.04 | 0.03 | 0.08 | 0.14 | 0.04 | 0.05 | -0.01 | -0.04 | -0.08 | -0.05 | -0.02 | -0.03 | -0.05 | -0.04 | 0.02 | -0.06 | -0.03 | 0.05 | 0.04 | 0.04 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | -0.36 | 0.00 | 0.00 | 0.00 | 0.00 | -0.30 | -3.18 | -4.69 | -5.09 | -5.41 | -5.21 | -2.11 | -4.61 | -0.04 | 0.00 |
| QUAKERRD_115KV_BK1 80622 | 10.97 | 8.02 | 8.82 | 10.91 | 7.29 | 5.24 | 11.59 | 13.02 | 11.92 | 8.86 | 6.86 | 8.42 | 9.75 | 5.61 | 3.15 | 5.61 | 13.01 | 13.66 | 16.42 | 15.78 | 23.49 | 16.59 | 12.70 | 8.03 |
| | -0.49 | -0.38 | -0.49 | -0.60 | -0.40 | -0.28 | -0.59 | -0.64 | -0.49 | -0.29 | -0.24 | -0.29 | -0.34 | -0.25 | -0.13 | -0.24 | -0.52 | -0.51 | -0.62 | -0.54 | -0.97 | -0.75 | -0.60 | -0.38 |
| | -0.04 | -0.21 | 0.00 | 0.00 | -0.08 | -0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.22 | -0.26 | -0.02 | 0.00 | -0.22 | -0.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| QUEENSBRY_115KV_TB8 356137 | 12.54 | 11.16 | 9.81 | 12.09 | 8.93 | 7.56 | 12.78 | 14.46 | 13.18 | 9.70 | 8.26 | 9.57 | 10.64 | 8.12 | 5.86 | 9.33 | 14.64 | 15.17 | 20.69 | 23.25 | 26.03 | 18.29 | 14.01 | 8.81 |
| | 0.63 | 0.48 | 0.49 | 0.57 | 0.39 | 0.28 | 0.60 | 0.81 | 0.78 | 0.55 | 0.44 | 0.52 | 0.56 | 0.32 | 0.17 | 0.34 | 0.86 | 1.00 | 1.19 | 1.09 | 1.57 | 0.95 | 0.71 | 0.40 |
| | -0.51 | -2.50 | 0.00 | 0.00 | -0.94 | -1.93 | 0.00 | 0.00 | 0.00 | 0.00 | -0.72 | -0.34 | 0.00 | -1.94 | -2.64 | -3.40 | -0.28 | 0.00 | -2.68 | -6.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAMAPO___LBMP 323565 | 12.33 | 10.35 | 9.77 | 12.06 | 8.62 | 6.93 | 12.74 | 14.26 | 13.02 | 9.59 | 4.92 | 7.97 | 10.63 | -0.66 | 5.05 | 8.99 | 14.45 | 15.00 | 19.62 | 21.14 | 25.89 | 18.33 | 14.05 | 8.87 |
| | 0.57 | 0.45 | 0.46 | 0.54 | 0.37 | 0.25 | 0.57 | 0.61 | 0.62 | 0.44 | 0.38 | 0.47 | 0.55 | 0.36 | 0.18 | 0.34 | 0.76 | 0.82 | 0.97 | 0.99 | 1.42 | 0.99 | 0.75 | 0.46 |
| | -0.35 | -1.71 | 0.00 | 0.00 | -0.64 | -1.32 | 0.00 | 0.00 | 0.00 | 0.00 | 2.56 | 1.20 | 0.00 | 6.89 | -1.81 | -3.07 | -0.19 | 0.00 | -1.84 | -4.38 | 0.00 | 0.00 | 0.00 | 0.00 |
| RANKINE____ 23646 | 11.04 | 8.11 | 8.77 | 10.85 | 7.27 | 5.27 | 11.55 | 12.99 | 12.01 | 9.02 | 6.96 | 8.53 | 9.87 | 5.61 | 3.26 | 5.63 | 12.93 | 13.52 | 16.28 | 15.93 | 18.78 | 12.36 | 11.42 | 8.04 |
| | -0.43 | -0.39 | -0.54 | -0.66 | -0.45 | -0.32 | -0.63 | -0.66 | -0.39 | -0.13 | -0.14 | -0.17 | -0.21 | -0.25 | -0.12 | -0.28 | -0.60 | -0.65 | -0.87 | -0.63 | -1.12 | -0.84 | -0.65 | -0.37 |
| | -0.06 | -0.31 | 0.00 | 0.00 | -0.12 | -0.24 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.33 | -0.32 | -0.03 | 0.00 | -0.34 | -0.79 | 4.56 | 4.13 | 1.23 | 0.00 |
| RAVENSWOOD_GT2_1 24244 | 12.53 | 10.64 | 9.89 | 12.21 | 8.79 | 7.13 | 12.89 | 14.41 | 13.18 | 9.72 | 9.54 | 10.23 | 10.80 | 11.58 | 5.29 | 9.12 | 14.65 | 15.17 | 19.99 | 21.78 | 26.15 | 18.52 | 14.22 | 8.99 |
| | 0.74 | 0.56 | 0.58 | 0.69 | 0.47 | 0.32 | 0.71 | 0.76 | 0.78 | 0.57 | 0.48 | 0.61 | 0.71 | 0.47 | 0.24 | 0.42 | 0.94 | 1.00 | 1.14 | 1.18 | 1.69 | 1.18 | 0.92 | 0.58 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENSWOOD_GT2_2 24245 | 12.53 | 10.64 | 9.89 | 12.21 | 8.79 | 7.13 | 12.89 | 14.41 | 13.18 | 9.72 | 9.54 | 10.23 | 10.80 | 11.58 | 5.29 | 9.12 | 14.65 | 15.17 | 19.99 | 21.78 | 26.15 | 18.52 | 14.22 | 8.99 |
| | 0.74 | 0.56 | 0.58 | 0.69 | 0.47 | 0.32 | 0.71 | 0.76 | 0.78 | 0.57 | 0.48 | 0.61 | 0.71 | 0.47 | 0.24 | 0.42 | 0.94 | 1.00 | 1.14 | 1.18 | 1.69 | 1.18 | 0.92 | 0.58 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENSWOOD_GT2_3 24246 | 12.53 | 10.64 | 9.89 | 12.21 | 8.78 | 7.13 | 12.89 | 14.41 | 13.18 | 9.72 | 9.53 | 10.22 | 10.79 | 11.58 | 5.28 | 9.11 | 14.65 | 15.17 | 19.99 | 21.78 | 26.15 | 18.52 | 14.22 | 8.99 |
| | 0.73 | 0.56 | 0.58 | 0.69 | 0.47 | 0.32 | 0.71 | 0.76 | 0.78 | 0.57 | 0.48 | 0.60 | 0.70 | 0.46 | 0.23 | 0.42 | 0.94 | 0.99 | 1.14 | 1.17 | 1.69 | 1.18 | 0.92 | 0.58 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENSWOOD_GT2_4 24247 | 12.53 | 10.64 | 9.89 | 12.21 | 8.78 | 7.13 | 12.89 | 14.41 | 13.18 | 9.72 | 9.53 | 10.22 | 10.79 | 11.58 | 5.28 | 9.11 | 14.65 | 15.17 | 19.99 | 21.78 | 26.15 | 18.52 | 14.22 | 8.99 |
| | 0.73 | 0.56 | 0.58 | 0.69 | 0.47 | 0.32 | 0.71 | 0.76 | 0.78 | 0.57 | 0.48 | 0.60 | 0.70 | 0.46 | 0.23 | 0.42 | 0.94 | 0.99 | 1.14 | 1.17 | 1.69 | 1.18 | 0.92 | 0.58 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENSWOOD_GT3_1 24248 | 12.53 | 10.64 | 9.89 | 12.21 | 8.79 | 7.13 | 12.89 | 14.41 | 13.18 | 9.72 | 9.54 | 10.23 | 10.80 | 11.58 | 5.29 | 9.12 | 14.65 | 15.17 | 19.99 | 21.79 | 26.15 | 18.52 | 14.22 | 8.99 |
| | 0.74 | 0.56 | 0.58 | 0.69 | 0.47 | 0.32 | 0.71 | 0.76 | 0.78 | 0.57 | 0.48 | 0.61 | 0.71 | 0.47 | 0.24 | 0.42 | 0.94 | 1.00 | 1.14 | 1.18 | 1.69 | 1.18 | 0.92 | 0.58 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENSWOOD_GT3_2 24249 | 12.53 | 10.64 | 9.89 | 12.21 | 8.79 | 7.13 | 12.89 | 14.41 | 13.18 | 9.72 | 9.54 | 10.23 | 10.80 | 11.58 | 5.29 | 9.12 | 14.65 | 15.17 | 19.99 | 21.79 | 26.15 | 18.52 | 14.22 | 8.99 |
| | 0.74 | 0.56 | 0.58 | 0.69 | 0.47 | 0.32 | 0.71 | 0.76 | 0.78 | 0.57 | 0.48 | 0.61 | 0.71 | 0.47 | 0.24 | 0.42 | 0.94 | 1.00 | 1.14 | 1.18 | 1.69 | 1.18 | 0.92 | 0.58 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENSWOOD_GT3_3 24250 | 12.54 | 10.65 | 9.91 | 12.22 | 8.80 | 7.14 | 12.91 | 14.43 | 13.19 | 9.73 | 9.54 | 10.24 | 10.81 | 11.60 | 5.29 | 9.12 | 14.67 | 15.19 | 20.02 | 21.81 | 26.19 | 18.54 | 14.24 | 9.00 |
| | 0.75 | 0.57 | 0.59 | 0.70 | 0.48 | 0.33 | 0.73 | 0.77 | 0.79 | 0.58 | 0.49 | 0.62 | 0.72 | 0.47 | 0.24 | 0.43 | 0.96 | 1.01 | 1.17 | 1.20 | 1.73 | 1.20 | 0.94 | 0.59 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENSWOOD_GT3_4 24251 | 12.54 | 10.65 | 9.91 | 12.22 | 8.80 | 7.14 | 12.91 | 14.43 | 13.19 | 9.73 | 9.54 | 10.24 | 10.81 | 11.60 | 5.29 | 9.12 | 14.67 | 15.19 | 20.02 | 21.81 | 26.19 | 18.54 | 14.24 | 9.00 |
| | 0.75 | 0.57 | 0.59 | 0.70 | 0.48 | 0.33 | 0.73 | 0.77 | 0.79 | 0.58 | 0.49 | 0.62 | 0.72 | 0.47 | 0.24 | 0.43 | 0.96 | 1.01 | 1.17 | 1.20 | 1.73 | 1.20 | 0.94 | 0.59 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.46 | 0.00 | 0.00 | 0.00 | 0.00 | -1.95 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | 0.00 |
| RAVENSWOOD_GT_1 23729 | 12.60 | 10.67 | 9.92 | 12.24 | 8.81 | 7.15 | 12.93 | 14.45 | 13.23 | 9.76 | 9.57 | 10.26 | 10.83 | 11.62 | 5.30 | 9.13 | 14.68 | 15.20 | 20.02 | 21.85 | 26.24 | 18.58 | 14.27 | 9.03 |
| | 0.80 | 0.59 | 0.61 | 0.73 | 0.49 | 0.34 | 0.75 | 0.80 | 0.83 | 0.60 | 0.51 | 0.64 | 0.74 | 0.49 | 0.24 | 0.44 | 0.97 | 1.02 | 1.17 | 1.24 | 1.78 | 1.24 | 0.96 | 0.61 |
| | -0.39 | -1.89 | 0.00 | 0.00 | -0.71 | -1.47 | 0.00 | 0.00 | 0.00 | 0.00 | -1.96 | -0.92 | 0.00 | -5.26 | -2.00 | -3.10 | -0.21 | 0.00 | -2.03 | -4.84 | 0.00 | 0.00 | 0.00 | -0.01 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|
| RAVENSWOOD_GT_10 24258 | 12.53 0.74 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.13 0.32 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.18 0.78 0.00 | 9.72 0.57 0.00 | 9.54 0.48 -1.95 | 10.23 0.61 -0.92 | 10.80 0.71 0.00 | 11.58 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.42 -3.10 | 14.65 0.94 -0.21 | 15.17 1.00 0.00 | 19.99 1.14 -2.03 | 21.79 1.18 -4.84 | 26.15 1.69 0.00 | 18.52 1.18 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| RAVENSWOOD_GT_11 24259 | 12.53 0.74 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.14 0.32 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.18 0.78 0.00 | 9.72 0.57 0.00 | 9.54 0.48 -1.95 | 10.23 0.61 -0.92 | 10.80 0.71 0.00 | 11.58 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.43 -3.10 | 14.65 0.94 -0.21 | 15.17 0.99 0.00 | 19.99 1.14 -2.03 | 21.79 1.18 -4.84 | 26.15 1.69 0.00 | 18.52 1.18 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| RAVENSWOOD_GT_4 24252 | 12.53 0.73 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.20 0.68 0.00 | 8.78 0.47 -0.71 | 7.13 0.32 -1.46 | 12.89 0.71 0.00 | 14.41 0.75 0.00 | 13.17 0.77 0.00 | 9.71 0.56 0.00 | 9.53 0.48 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.65 0.94 -0.21 | 15.16 0.99 0.00 | 19.98 1.14 -2.03 | 21.78 1.17 -4.84 | 26.14 1.68 0.00 | 18.51 1.17 0.00 | 14.21 0.91 0.00 | 8.98 0.57 0.00 |
| RAVENSWOOD_GT_5 24254 | 12.53 0.73 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.20 0.68 0.00 | 8.78 0.47 -0.71 | 7.13 0.32 -1.46 | 12.89 0.71 0.00 | 14.41 0.75 0.00 | 13.17 0.77 0.00 | 9.71 0.56 0.00 | 9.53 0.48 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.65 0.94 -0.21 | 15.16 0.99 0.00 | 19.98 1.14 -2.03 | 21.78 1.17 -4.84 | 26.14 1.68 0.00 | 18.51 1.17 0.00 | 14.21 0.91 0.00 | 8.98 0.57 0.00 |
| RAVENSWOOD_GT_6 24253 | 12.53 0.73 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.20 0.68 0.00 | 8.78 0.47 -0.71 | 7.13 0.32 -1.46 | 12.89 0.71 0.00 | 14.41 0.75 0.00 | 13.17 0.77 0.00 | 9.71 0.56 0.00 | 9.53 0.48 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.65 0.94 -0.21 | 15.16 0.99 0.00 | 19.98 1.14 -2.03 | 21.78 1.17 -4.84 | 26.14 1.68 0.00 | 18.51 1.17 0.00 | 14.21 0.91 0.00 | 8.98 0.57 0.00 |
| RAVENSWOOD_GT_7 24255 | 12.53 0.73 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.20 0.68 0.00 | 8.78 0.47 -0.71 | 7.13 0.32 -1.46 | 12.89 0.71 0.00 | 14.41 0.75 0.00 | 13.17 0.77 0.00 | 9.71 0.56 0.00 | 9.53 0.48 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.65 0.94 -0.21 | 15.16 0.99 0.00 | 19.98 1.14 -2.03 | 21.78 1.17 -4.84 | 26.14 1.68 0.00 | 18.51 1.17 0.00 | 14.21 0.91 0.00 | 8.98 0.57 0.00 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 12.53 0.74 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.13 0.32 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.18 0.78 0.00 | 9.72 0.57 0.00 | 9.54 0.48 -1.95 | 10.23 0.61 -0.92 | 10.80 0.71 0.00 | 11.58 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.42 -3.10 | 14.65 0.94 -0.21 | 15.17 1.00 0.00 | 19.99 1.14 -2.03 | 21.79 1.18 -4.84 | 26.15 1.69 0.00 | 18.52 1.18 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| RAVENSWOOD_GT_9 24257 | 12.53 0.74 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.13 0.32 -1.46 | 12.89 0.71 0.00 | 14.41 0.76 0.00 | 13.18 0.78 0.00 | 9.72 0.57 0.00 | 9.54 0.48 -1.95 | 10.23 0.61 -0.92 | 10.80 0.71 0.00 | 11.58 0.47 -5.26 | 5.29 0.24 -2.00 | 9.12 0.42 -3.10 | 14.65 0.94 -0.21 | 15.17 1.00 0.00 | 19.99 1.14 -2.03 | 21.79 1.18 -4.84 | 26.15 1.69 0.00 | 18.52 1.18 0.00 | 14.22 0.92 0.00 | 8.99 0.58 0.00 |
| RAVENSWOOD___1 23533 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.76 0.60 0.00 | 9.57 0.51 -1.96 | 10.26 0.64 -0.92 | 10.83 0.74 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.85 1.24 -4.84 | 26.24 1.78 0.00 | 18.58 1.24 0.00 | 14.27 0.96 0.00 | 9.03 0.61 -0.01 |
| RAVENSWOOD___2 23534 | 12.57 0.77 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.76 0.60 0.00 | 9.57 0.51 -1.96 | 10.26 0.64 -0.92 | 10.83 0.74 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.85 1.24 -4.84 | 26.24 1.78 0.00 | 18.58 1.24 0.00 | 14.27 0.96 0.00 | 9.03 0.61 -0.01 |
| RAVENSWOOD___3 23535 | 12.53 0.73 -0.39 | 10.64 0.56 -1.89 | 9.89 0.58 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.13 0.32 -1.46 | 12.88 0.71 0.00 | 14.41 0.76 0.00 | 13.18 0.78 0.00 | 9.72 0.57 0.00 | 9.53 0.48 -1.95 | 10.22 0.60 -0.92 | 10.79 0.70 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.65 0.94 -0.21 | 15.16 0.99 0.00 | 19.98 1.14 -2.03 | 21.78 1.17 -4.84 | 26.15 1.69 0.00 | 18.51 1.17 0.00 | 14.21 0.91 0.00 | 8.99 0.58 0.00 |
| RAVENSWOOD___4 23820 | 12.58 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.24 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.47 | 12.93 0.75 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.76 0.60 0.00 | 9.57 0.51 -1.96 | 10.26 0.64 -0.92 | 10.83 0.74 0.00 | 11.62 0.49 -5.26 | 5.30 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.85 1.24 -4.84 | 26.24 1.78 0.00 | 18.58 1.24 0.00 | 14.27 0.96 0.00 | 9.03 0.61 -0.01 |
| RCPL_TRUST___DRP 24196 | 12.55 0.75 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.21 0.80 0.00 | 9.74 0.59 0.00 | 9.55 0.50 -1.95 | 10.25 0.63 -0.92 | 10.82 0.73 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.12 0.44 -3.10 | 14.68 0.97 -0.21 | 15.19 1.01 0.00 | 20.01 1.17 -2.03 | 21.81 1.20 -4.84 | 26.19 1.73 0.00 | 18.55 1.21 0.00 | 14.25 0.94 0.00 | 9.00 0.59 0.00 |
| RED___ROCHESTER 323720 | 11.24 -0.22 -0.05 | 8.20 -0.20 -0.22 | 9.01 -0.30 0.00 | 11.15 -0.37 0.00 | 7.44 -0.25 -0.08 | 5.35 -0.17 -0.17 | 11.85 -0.32 0.00 | 13.31 -0.34 0.00 | 12.22 -0.19 0.00 | 9.09 -0.06 0.00 | 7.04 -0.06 0.00 | 8.64 -0.06 0.00 | 10.00 -0.08 0.00 | 5.75 -0.11 0.00 | 3.23 -0.05 -0.23 | 5.75 -0.11 -0.27 | 13.34 -0.18 -0.02 | 14.02 -0.16 0.00 | 16.84 -0.21 -0.23 | 16.19 -0.14 -0.56 | 24.09 -0.37 0.00 | 17.02 -0.33 0.00 | 13.02 -0.28 0.00 | 8.23 -0.18 0.00 |
| REGAN___SOLAR 323812 | 12.47 0.55 -0.51 | 11.14 0.44 -2.52 | 9.77 0.46 0.00 | 12.10 0.58 0.00 | 8.93 0.38 -0.94 | 7.57 0.28 -1.94 | 12.82 0.64 0.00 | 14.38 0.72 0.00 | 12.56 0.15 0.00 | 9.41 0.25 0.00 | 8.06 0.26 -0.70 | 9.06 0.03 -0.33 | 10.22 0.14 0.00 | 7.68 -0.07 -1.90 | 5.73 0.02 -2.66 | 9.01 0.00 -3.42 | 13.84 0.05 -0.28 | 14.95 0.78 0.00 | 20.83 1.31 -2.70 | 23.36 1.16 -6.43 | 26.03 1.57 0.00 | 18.42 1.08 0.00 | 14.08 0.78 0.00 | 8.87 0.46 0.00 |

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|----------------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|
| RENSSELAER___COGEN 23796 | 12.09 0.19 -0.49 | 10.78 0.16 -2.43 | 9.46 0.16 0.00 | 11.72 0.20 0.00 | 8.66 0.14 -0.91 | 7.33 0.10 -1.88 | 12.37 0.20 0.00 | 13.82 0.16 0.00 | 12.57 0.17 0.00 | 9.26 0.11 0.00 | 7.95 0.11 -0.74 | 9.18 0.13 -0.35 | 10.23 0.14 0.00 | 7.96 0.11 -2.00 | 5.68 0.06 -2.57 | 9.04 0.11 -3.34 | 13.98 0.21 -0.27 | 14.43 0.26 0.00 | 19.75 0.33 -2.61 | 22.29 0.30 -6.22 | 24.87 0.41 0.00 | 17.57 0.23 0.00 | 13.49 0.18 0.00 | 8.53 0.12 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 13.03 1.11 -0.51 | 11.54 0.86 -2.50 | 10.18 0.87 0.00 | 12.52 1.00 0.00 | 9.21 0.67 -0.94 | 7.77 0.49 -1.93 | 13.21 1.04 0.00 | 15.13 1.47 0.00 | 13.72 1.32 0.00 | 10.07 0.91 0.00 | 8.52 0.70 -0.72 | 9.93 0.89 -0.34 | 11.01 0.92 0.00 | 8.34 0.53 -1.94 | 5.98 0.29 -2.64 | 9.53 0.54 -3.40 | 15.26 1.48 -0.28 | 15.88 1.70 0.00 | 21.45 1.95 -2.68 | 23.89 1.73 -6.38 | 26.97 2.52 0.00 | 18.81 1.47 0.00 | 14.42 1.12 0.00 | 9.03 0.62 0.00 |
| REVERE_CPPR_DRP 24186 | 11.68 0.25 -0.02 | 8.46 0.18 -0.10 | 9.49 0.18 0.00 | 11.75 0.23 0.00 | 7.78 0.13 -0.04 | 5.51 0.08 -0.08 | 12.38 0.20 0.00 | 13.88 0.23 0.00 | 12.64 0.24 0.00 | 9.31 0.16 0.00 | 7.20 0.10 0.00 | 8.81 0.10 0.00 | 10.21 0.12 0.00 | 5.91 0.05 0.00 | 3.19 0.03 -0.11 | 5.76 0.05 -0.12 | 13.73 0.22 -0.01 | 14.46 0.29 0.00 | 17.32 0.40 -0.11 | 16.42 0.39 -0.26 | 25.00 0.54 0.00 | 17.70 0.36 0.00 | 13.55 0.25 0.00 | 8.54 0.13 0.00 |
| REYNOLDS_115KV_TB3 80639 | 12.16 0.25 -0.50 | 10.82 0.20 -2.43 | 9.52 0.20 0.00 | 11.78 0.26 0.00 | 8.70 0.18 -0.91 | 7.35 0.12 -1.88 | 12.43 0.26 0.00 | 13.90 0.24 0.00 | 12.63 0.23 0.00 | 9.30 0.15 0.00 | 8.00 0.14 -0.76 | 9.23 0.18 -0.36 | 10.28 0.19 0.00 | 8.04 0.14 -2.04 | 5.70 0.07 -2.57 | 9.07 0.14 -3.34 | 14.06 0.29 -0.27 | 14.51 0.34 0.00 | 19.85 0.42 -2.61 | 22.38 0.38 -6.22 | 25.00 0.54 0.00 | 17.65 0.31 0.00 | 13.56 0.25 0.00 | 8.57 0.16 0.00 |
| RIVERBAY____ 323610 | 12.55 0.75 -0.39 | 10.66 0.58 -1.89 | 9.92 0.61 0.00 | 12.24 0.72 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.75 0.00 | 14.43 0.77 0.00 | 13.20 0.80 0.00 | 9.72 0.57 0.00 | 9.53 0.48 -1.95 | 10.21 0.59 -0.92 | 10.77 0.69 0.00 | 11.58 0.46 -5.26 | 5.28 0.23 -2.00 | 9.11 0.42 -3.10 | 14.63 0.92 -0.21 | 15.19 1.01 0.00 | 19.98 1.13 -2.03 | 21.75 1.14 -4.83 | 26.07 1.62 0.00 | 18.48 1.13 0.00 | 14.19 0.89 0.00 | 8.97 0.56 0.00 |
| RIVERSDE_115KV_TB3 55908 | 12.13 0.23 -0.50 | 10.81 0.18 -2.44 | 9.49 0.18 0.00 | 11.75 0.23 0.00 | 8.69 0.16 -0.91 | 7.34 0.11 -1.88 | 12.41 0.23 0.00 | 13.86 0.20 0.00 | 12.61 0.21 0.00 | 9.29 0.14 0.00 | 7.98 0.13 -0.75 | 9.21 0.16 -0.35 | 10.26 0.17 0.00 | 8.00 0.13 -2.01 | 5.69 0.07 -2.58 | 9.07 0.13 -3.35 | 14.03 0.26 -0.27 | 14.49 0.31 0.00 | 19.81 0.38 -2.62 | 22.36 0.35 -6.23 | 24.95 0.49 0.00 | 17.62 0.28 0.00 | 13.53 0.23 0.00 | 8.55 0.14 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 11.35 -0.06 0.00 | 8.17 -0.02 0.00 | 9.25 -0.07 0.00 | 11.38 -0.14 0.00 | 7.48 -0.13 0.00 | 5.23 -0.12 0.00 | 11.82 -0.36 0.00 | 13.23 -0.42 0.00 | 12.08 -0.32 0.00 | 8.80 -0.35 0.00 | 6.74 -0.36 0.00 | 8.31 -0.40 0.00 | 9.64 -0.44 0.00 | 5.54 -0.33 0.00 | 2.86 -0.19 0.00 | 5.23 -0.36 0.00 | 12.71 -0.80 0.00 | 13.39 -0.78 0.00 | 15.85 -0.97 0.00 | 14.81 -0.96 0.00 | 23.15 -1.31 0.00 | 16.62 -0.72 0.00 | 12.74 -0.56 0.00 | 8.00 -0.42 0.00 |
| ROCHESRG_115KV_T4 355643 | 11.15 -0.30 -0.04 | 8.14 -0.26 -0.22 | 8.95 -0.36 0.00 | 11.07 -0.44 0.00 | 7.39 -0.30 -0.08 | 5.31 -0.21 -0.17 | 11.76 -0.42 0.00 | 13.21 -0.44 0.00 | 12.12 -0.28 0.00 | 9.02 -0.13 0.00 | 6.98 -0.12 0.00 | 8.57 -0.14 0.00 | 9.92 -0.17 0.00 | 5.70 -0.16 0.00 | 3.21 -0.08 -0.23 | 5.69 -0.16 -0.26 | 13.21 -0.31 -0.02 | 13.86 -0.31 0.00 | 16.66 -0.39 -0.23 | 16.03 -0.30 -0.56 | 23.32 -0.62 0.52 | 16.37 -0.50 0.48 | 12.75 -0.41 0.14 | 8.16 -0.25 0.00 |
| ROCHESTER_9_IC 23652 | 11.20 -0.25 -0.05 | 8.18 -0.23 -0.22 | 8.99 -0.33 0.00 | 11.11 -0.40 0.00 | 7.42 -0.27 -0.08 | 5.33 -0.19 -0.17 | 11.81 -0.37 0.00 | 13.27 -0.38 0.00 | 12.17 -0.23 0.00 | 9.06 -0.09 0.00 | 7.01 -0.09 0.00 | 8.61 -0.09 0.00 | 9.97 -0.12 0.00 | 5.73 -0.13 0.00 | 3.22 -0.06 -0.23 | 5.72 -0.13 -0.27 | 13.28 -0.24 -0.02 | 13.94 -0.23 0.00 | 16.75 -0.29 -0.23 | 16.12 -0.22 -0.56 | 23.98 -0.48 0.00 | 16.93 -0.41 0.00 | 12.95 -0.34 0.00 | 8.20 -0.21 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 12.51 0.72 -0.39 | 10.62 0.55 -1.89 | 9.88 0.57 0.00 | 12.19 0.67 0.00 | 8.77 0.45 -0.71 | 7.12 0.31 -1.46 | 12.87 0.69 0.00 | 14.39 0.74 0.00 | 13.15 0.75 0.00 | 9.69 0.54 0.00 | 9.52 0.46 -1.95 | 10.20 0.58 -0.92 | 10.76 0.68 0.00 | 11.56 0.44 -5.26 | 5.28 0.23 -2.00 | 9.10 0.41 -3.10 | 14.63 0.92 -0.21 | 15.15 0.98 0.00 | 19.99 1.14 -2.03 | 21.78 1.17 -4.83 | 26.15 1.69 0.00 | 18.51 1.17 0.00 | 14.21 0.91 0.00 | 8.98 0.57 0.00 |
| ROME____115KV_TB2 80656 | 11.68 0.25 -0.02 | 8.46 0.18 -0.10 | 9.49 0.18 0.00 | 11.75 0.23 0.00 | 7.78 0.13 -0.04 | 5.51 0.08 -0.08 | 12.38 0.20 0.00 | 13.88 0.23 0.00 | 12.64 0.24 0.00 | 9.31 0.16 0.00 | 7.20 0.10 0.00 | 8.81 0.10 0.00 | 10.21 0.12 0.00 | 5.91 0.05 0.00 | 3.19 0.03 -0.11 | 5.76 0.05 -0.12 | 13.73 0.22 -0.01 | 14.46 0.29 0.00 | 17.32 0.40 -0.11 | 16.42 0.39 -0.26 | 25.00 0.54 0.00 | 17.70 0.36 0.00 | 13.55 0.25 0.00 | 8.54 0.13 0.00 |
| ROSETON___1 23587 | 12.41 0.59 -0.41 | 10.65 0.45 -2.02 | 9.77 0.46 0.00 | 12.07 0.55 0.00 | 8.74 0.38 -0.75 | 7.17 0.26 -1.56 | 12.75 0.57 0.00 | 14.26 0.60 0.00 | 13.01 0.61 0.00 | 9.59 0.44 0.00 | 8.94 0.38 -1.46 | 9.86 0.47 -0.69 | 10.63 0.55 0.00 | 10.16 0.36 -3.94 | 5.37 0.19 -2.13 | 9.05 0.34 -3.12 | 14.48 0.75 -0.22 | 14.98 0.81 0.00 | 19.93 0.96 -2.16 | 21.89 0.97 -5.15 | 25.85 1.39 0.00 | 18.28 0.94 0.00 | 14.02 0.72 0.00 | 8.87 0.46 0.00 |
| ROSETON___2 23588 | 12.41 0.59 -0.41 | 10.65 0.45 -2.02 | 9.77 0.46 0.00 | 12.07 0.55 0.00 | 8.74 0.38 -0.75 | 7.17 0.26 -1.56 | 12.75 0.57 0.00 | 14.26 0.60 0.00 | 13.01 0.61 0.00 | 9.59 0.44 0.00 | 8.94 0.38 -1.46 | 9.86 0.47 -0.69 | 10.63 0.55 0.00 | 10.16 0.36 -3.94 | 5.37 0.19 -2.13 | 9.05 0.34 -3.12 | 14.48 0.75 -0.22 | 14.98 0.81 0.00 | 19.93 0.96 -2.16 | 21.89 0.97 -5.15 | 25.85 1.39 0.00 | 18.28 0.94 0.00 | 14.02 0.72 0.00 | 8.87 0.46 0.00 |
| ROTTDAM_115KV_TB3 80664 | 12.29 0.37 -0.51 | 10.99 0.29 -2.52 | 9.61 0.30 0.00 | 11.89 0.37 0.00 | 8.80 0.25 -0.94 | 7.47 0.18 -1.94 | 12.57 0.39 0.00 | 14.09 0.44 0.00 | 12.80 0.39 0.00 | 9.43 0.28 0.00 | 8.04 0.23 -0.70 | 9.31 0.28 -0.33 | 10.40 0.31 0.00 | 7.95 0.10 -1.90 | 5.81 0.10 -2.66 | 9.20 0.19 -3.42 | 14.25 0.47 -0.28 | 14.71 0.54 0.00 | 20.17 0.65 -2.70 | 22.84 0.63 -6.43 | 25.37 0.92 0.00 | 17.92 0.58 0.00 | 13.74 0.44 0.00 | 8.68 0.27 0.00 |
| RUSSELL___1 23602 | 11.24 -0.21 -0.05 | 8.21 -0.20 -0.22 | 9.01 -0.30 0.00 | 11.15 -0.37 0.00 | 7.44 -0.25 -0.08 | 5.35 -0.17 -0.17 | 11.85 -0.33 0.00 | 13.31 -0.34 0.00 | 12.21 -0.19 0.00 | 9.10 -0.06 0.00 | 7.04 -0.06 0.00 | 8.64 -0.07 0.00 | 10.00 -0.08 0.00 | 5.75 -0.11 -0.23 | 3.23 -0.05 -0.27 | 5.75 -0.11 -0.02 | 13.34 -0.18 -0.02 | 14.01 -0.16 0.00 | 16.84 -0.21 -0.23 | 16.20 -0.14 -0.56 | 24.09 -0.37 0.00 | 17.01 -0.33 0.00 | 13.01 -0.29 0.00 | 8.23 -0.18 0.00 |

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|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-----------------------|
| RUSSELL___2 23532 | 11.24 -0.21 -0.05 | 8.21 -0.20 -0.22 | 9.01 -0.30 0.00 | 11.15 -0.37 0.00 | 7.44 -0.25 -0.08 | 5.35 -0.17 -0.17 | 11.85 -0.33 0.00 | 13.31 -0.34 0.00 | 12.21 -0.19 0.00 | 9.10 -0.06 0.00 | 7.04 -0.06 0.00 | 8.64 -0.07 0.00 | 10.00 -0.08 0.00 | 5.75 -0.11 0.00 | 3.23 -0.05 -0.23 | 5.75 -0.11 -0.27 | 13.34 -0.18 -0.02 | 14.01 -0.16 0.00 | 16.84 -0.21 -0.23 | 16.20 -0.14 -0.56 | 24.09 -0.37 0.00 | 17.01 -0.33 0.00 | 13.01 -0.29 0.00 | 8.23 -0.18 0.00 |
| RUSSELL___3 23549 | 11.24 -0.21 -0.05 | 8.21 -0.20 -0.22 | 9.01 -0.30 0.00 | 11.15 -0.37 0.00 | 7.44 -0.25 -0.08 | 5.35 -0.17 -0.17 | 11.85 -0.33 0.00 | 13.31 -0.34 0.00 | 12.21 -0.19 0.00 | 9.10 -0.06 0.00 | 7.04 -0.06 0.00 | 8.64 -0.07 0.00 | 10.00 -0.08 0.00 | 5.75 -0.11 0.00 | 3.23 -0.05 -0.23 | 5.75 -0.11 -0.27 | 13.34 -0.18 -0.02 | 14.01 -0.16 0.00 | 16.84 -0.21 -0.23 | 16.20 -0.14 -0.56 | 24.09 -0.37 0.00 | 17.01 -0.33 0.00 | 13.01 -0.29 0.00 | 8.23 -0.18 0.00 |
| RUSSELL___4 23556 | 11.24 -0.21 -0.05 | 8.21 -0.20 -0.22 | 9.01 -0.30 0.00 | 11.15 -0.37 0.00 | 7.44 -0.25 -0.08 | 5.35 -0.17 -0.17 | 11.85 -0.33 0.00 | 13.31 -0.34 0.00 | 12.21 -0.19 0.00 | 9.10 -0.06 0.00 | 7.04 -0.06 0.00 | 8.64 -0.07 0.00 | 10.00 -0.08 0.00 | 5.75 -0.11 0.00 | 3.23 -0.05 -0.23 | 5.75 -0.11 -0.27 | 13.34 -0.18 -0.02 | 14.01 -0.16 0.00 | 16.84 -0.21 -0.23 | 16.20 -0.14 -0.56 | 24.09 -0.37 0.00 | 17.01 -0.33 0.00 | 13.01 -0.29 0.00 | 8.23 -0.18 0.00 |
| RUSSELL___STATION 23914 | 11.24 -0.21 -0.05 | 8.21 -0.20 -0.22 | 9.01 -0.30 0.00 | 11.15 -0.37 0.00 | 7.44 -0.25 -0.08 | 5.35 -0.17 -0.17 | 11.85 -0.33 0.00 | 13.31 -0.34 0.00 | 12.21 -0.19 0.00 | 9.10 -0.06 0.00 | 7.04 -0.06 0.00 | 8.64 -0.07 0.00 | 10.00 -0.08 0.00 | 5.75 -0.11 0.00 | 3.23 -0.05 -0.23 | 5.75 -0.11 -0.27 | 13.34 -0.18 -0.02 | 14.01 -0.16 0.00 | 16.84 -0.21 -0.23 | 16.20 -0.14 -0.56 | 24.09 -0.37 0.00 | 17.01 -0.33 0.00 | 13.01 -0.29 0.00 | 8.23 -0.18 0.00 |
| S SALMON___HYD 24043 | 11.48 0.05 -0.03 | 8.34 0.01 -0.14 | 9.28 -0.03 0.00 | 11.50 -0.02 0.00 | 7.60 -0.06 -0.05 | 5.40 -0.07 -0.11 | 12.01 -0.16 0.00 | 13.46 -0.19 0.00 | 12.29 -0.11 0.00 | 9.12 -0.08 -0.05 | 7.05 -0.05 0.00 | 8.61 -0.10 0.00 | 9.94 -0.15 0.00 | 5.75 -0.11 0.00 | 3.20 -0.05 -0.19 | 6.11 -0.09 -0.61 | 13.96 -0.20 -0.66 | 14.82 -0.06 -0.70 | 17.70 -0.01 -0.90 | 16.82 -0.03 -1.08 | 24.67 -0.08 -0.29 | 17.88 -0.09 -0.63 | 13.23 -0.08 -0.01 | 8.33 -0.08 0.00 |
| S.PERRY___115KV_TB1 80734 | 11.35 -0.12 -0.07 | 8.40 -0.10 -0.32 | 9.12 -0.19 0.00 | 11.27 -0.25 0.00 | 7.57 -0.16 -0.12 | 5.47 -0.13 -0.25 | 11.95 -0.23 0.00 | 13.46 -0.19 0.00 | 12.33 -0.07 0.00 | 9.15 0.00 0.00 | 7.04 -0.06 0.00 | 8.65 -0.06 0.00 | 9.96 -0.13 0.00 | 5.69 -0.17 0.00 | 3.31 -0.08 -0.34 | 5.97 -0.17 -0.55 | 13.72 0.20 -0.02 | 14.69 0.52 0.00 | 17.75 0.70 -0.23 | 16.69 0.10 -0.81 | 37.17 -0.04 -12.75 | 28.75 -0.14 -11.54 | 16.64 -0.10 -3.45 | 8.38 -0.03 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 10.94 -0.53 -0.06 | 8.02 -0.47 -0.30 | 8.67 -0.64 0.00 | 10.74 -0.78 0.00 | 7.20 -0.53 -0.11 | 5.21 -0.37 -0.23 | 11.42 -0.75 0.00 | 12.85 -0.80 0.00 | 11.90 -0.50 0.00 | 8.94 -0.21 0.00 | 6.90 -0.20 0.00 | 8.46 -0.24 0.00 | 9.79 -0.30 0.00 | 5.56 -0.30 0.00 | 3.22 -0.15 -0.31 | 5.57 -0.33 -0.31 | 12.80 -0.73 -0.03 | 13.38 -0.79 0.00 | 16.11 -1.03 -0.32 | 15.73 -0.81 -0.76 | 18.63 -1.41 4.42 | 12.30 -1.04 4.00 | 11.30 -0.81 1.20 | 7.94 -0.47 0.00 |
| SAWYER___23_KV_LOAD 55526 | 10.94 -0.53 -0.06 | 8.02 -0.47 -0.30 | 8.67 -0.64 0.00 | 10.74 -0.78 0.00 | 7.20 -0.53 -0.11 | 5.21 -0.37 -0.23 | 11.42 -0.75 0.00 | 12.85 -0.80 0.00 | 11.90 -0.50 0.00 | 8.94 -0.21 0.00 | 6.90 -0.20 0.00 | 8.46 -0.24 0.00 | 9.79 -0.30 0.00 | 5.56 -0.30 0.00 | 3.22 -0.15 -0.31 | 5.57 -0.33 -0.31 | 12.80 -0.73 -0.03 | 13.38 -0.79 0.00 | 16.11 -1.03 -0.32 | 15.73 -0.81 -0.76 | 18.63 -1.41 4.42 | 12.30 -1.04 4.00 | 11.30 -0.81 1.20 | 7.94 -0.47 0.00 |
| SELKIRK___I 23801 | 12.20 0.30 -0.49 | 10.82 0.24 -2.40 | 9.57 0.25 0.00 | 11.84 0.32 0.00 | 8.73 0.23 -0.90 | 7.36 0.16 -1.85 | 12.52 0.34 0.00 | 13.98 0.33 0.00 | 12.70 0.29 0.00 | 9.35 0.20 0.00 | 7.96 0.17 -0.69 | 9.23 0.20 -0.32 | 10.31 0.23 0.00 | 7.87 0.15 -1.86 | 5.66 0.08 -2.53 | 9.04 0.16 -3.30 | 14.11 0.35 -0.27 | 14.57 0.40 0.00 | 19.87 0.49 -2.57 | 22.35 0.46 -6.12 | 25.14 0.68 0.00 | 17.75 0.40 0.00 | 13.61 0.31 0.00 | 8.61 0.20 0.00 |
| SELKIRK___II 23799 | 12.15 0.25 -0.49 | 10.82 0.20 -2.43 | 9.52 0.20 0.00 | 11.78 0.26 0.00 | 8.70 0.18 -0.91 | 7.35 0.12 -1.87 | 12.45 0.27 0.00 | 13.91 0.25 0.00 | 12.64 0.24 0.00 | 9.31 0.16 0.00 | 7.97 0.14 -0.72 | 9.22 0.18 -0.34 | 10.28 0.20 0.00 | 7.94 0.14 -1.94 | 5.69 0.07 -2.56 | 9.05 0.14 -3.33 | 14.06 0.29 -0.27 | 14.52 0.34 0.00 | 19.84 0.42 -2.60 | 22.37 0.40 -6.20 | 25.02 0.56 0.00 | 17.68 0.34 0.00 | 13.57 0.27 0.00 | 8.58 0.17 0.00 |
| SENECA OSWGO___HYD 24041 | 11.49 0.05 -0.03 | 8.37 0.02 -0.16 | 9.31 0.00 0.00 | 11.52 0.00 0.00 | 7.66 -0.01 -0.06 | 5.46 -0.02 -0.12 | 12.16 -0.02 0.00 | 13.64 -0.01 0.00 | 12.43 0.03 0.00 | 9.19 0.04 0.00 | 7.14 0.04 0.00 | 8.75 0.05 0.00 | 10.12 0.03 0.00 | 5.86 0.00 0.00 | 3.23 0.00 -0.17 | 5.80 0.01 -0.20 | 13.58 0.06 -0.02 | 14.31 0.14 0.00 | 17.18 0.19 -0.17 | 16.39 0.21 -0.41 | 24.71 0.25 0.00 | 17.46 0.12 0.00 | 13.36 0.06 0.00 | 8.43 0.02 0.00 |
| SENECA___115KV_TB3 355854 | 11.06 -0.41 -0.06 | 8.12 -0.38 -0.31 | 8.78 -0.53 0.00 | 10.87 -0.65 0.00 | 7.28 -0.44 -0.12 | 5.28 -0.31 -0.24 | 11.56 -0.62 0.00 | 13.00 -0.65 0.00 | 12.03 -0.37 0.00 | 9.03 -0.12 0.00 | 6.97 -0.13 0.00 | 8.54 -0.16 0.00 | 9.88 -0.20 0.00 | 5.62 -0.25 0.00 | 3.26 -0.12 -0.33 | 5.64 -0.27 -0.32 | 12.95 -0.58 -0.03 | 13.54 -0.63 0.00 | 16.31 -0.84 -0.34 | 15.95 -0.61 -0.79 | 18.82 -1.08 4.56 | 12.39 -0.82 4.13 | 11.44 -0.63 1.23 | 8.05 -0.36 0.00 |
| SENECA___ENERGY 23797 | 11.26 -0.20 -0.05 | 8.29 -0.14 -0.24 | 9.13 -0.18 0.00 | 11.28 -0.24 0.00 | 7.54 -0.16 -0.09 | 5.43 -0.10 -0.19 | 11.96 -0.22 0.00 | 13.41 -0.24 0.00 | 12.24 -0.16 0.00 | 9.06 -0.09 0.00 | 7.02 -0.08 0.00 | 8.61 -0.10 0.00 | 9.96 -0.12 0.00 | 5.77 -0.09 0.00 | 3.26 -0.05 -0.25 | 5.81 -0.09 -0.31 | 13.38 -0.14 -0.03 | 14.09 -0.09 0.00 | 16.98 -0.10 -0.26 | 16.32 -0.07 -0.61 | 25.14 -0.20 -0.88 | 17.92 -0.21 -0.80 | 13.38 -0.16 -0.24 | 8.30 -0.11 0.00 |
| SHOEMAKER___GT 23640 | 12.22 0.49 -0.32 | 10.13 0.38 -1.56 | 9.70 0.39 0.00 | 11.99 0.47 0.00 | 8.51 0.32 -0.58 | 6.77 0.22 -1.20 | 12.67 0.50 0.00 | 14.19 0.54 0.00 | 12.93 0.53 0.00 | 9.52 0.37 0.00 | 5.44 0.31 1.98 | 8.18 0.40 0.93 | 10.54 0.46 0.00 | 0.84 0.29 5.32 | 4.85 0.15 -1.65 | 5.91 0.28 -0.04 | 14.32 0.64 -0.17 | 14.89 0.71 0.00 | 19.34 0.85 -1.67 | 20.62 0.86 -3.98 | 25.71 1.25 0.00 | 18.19 0.85 0.00 | 13.94 0.64 0.00 | 8.81 0.40 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 12.22 0.49 -0.31 | 10.11 0.38 -1.54 | 9.70 0.39 0.00 | 11.99 0.47 0.00 | 8.51 0.32 -0.58 | 6.76 0.22 -1.19 | 12.68 0.50 0.00 | 14.19 0.54 0.00 | 12.93 0.53 0.00 | 9.52 0.37 0.00 | 5.49 0.32 1.93 | 8.20 0.40 0.90 | 10.55 0.46 0.00 | 0.97 0.30 5.19 | 4.83 0.15 -1.63 | 5.05 0.28 0.82 | 14.32 0.65 -0.17 | 14.89 0.71 0.00 | 19.31 0.84 -1.65 | 20.57 0.86 -3.94 | 25.71 1.25 0.00 | 18.19 0.85 0.00 | 13.94 0.64 0.00 | 8.81 0.40 0.00 |

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|-----------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| SHOREHAM_IC_1 23715 | 12.82 1.03 -0.39 | 10.84 0.76 -1.89 | 10.09 0.78 0.00 | 12.43 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.11 0.93 0.00 | 14.63 0.98 0.00 | 13.37 0.97 0.00 | 9.81 0.65 0.00 | 9.62 0.57 -1.95 | 10.25 0.63 -0.91 | 10.81 0.72 0.00 | 11.64 0.53 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.21 -0.21 | 15.50 1.32 0.00 | 20.46 1.61 -2.03 | 22.13 1.52 -4.84 | 26.65 2.19 0.00 | 18.94 1.60 0.00 | 14.55 1.25 0.00 | 9.23 0.82 0.00 |
| SHOREHAM_IC_2 23716 | 12.82 1.03 -0.39 | 10.84 0.76 -1.89 | 10.09 0.78 0.00 | 12.43 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.11 0.93 0.00 | 14.63 0.98 0.00 | 13.37 0.97 0.00 | 9.81 0.65 0.00 | 9.62 0.57 -1.95 | 10.25 0.63 -0.91 | 10.81 0.72 0.00 | 11.64 0.53 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.21 -0.21 | 15.50 1.32 0.00 | 20.46 1.61 -2.03 | 22.13 1.52 -4.84 | 26.65 2.19 0.00 | 18.94 1.60 0.00 | 14.55 1.25 0.00 | 9.23 0.82 0.00 |
| SISSONVILLE____ 23735 | 11.47 0.06 0.00 | 8.16 -0.03 0.00 | 9.27 -0.04 0.00 | 11.53 0.01 0.00 | 7.56 -0.05 0.00 | 5.31 -0.04 0.00 | 12.08 -0.10 0.00 | 13.57 -0.08 0.00 | 12.25 -0.16 -0.01 | 9.45 -0.10 -0.40 | 6.98 -0.12 0.00 | 8.53 -0.17 0.00 | 9.88 -0.20 0.00 | 5.74 -0.13 0.00 | 3.33 -0.06 -0.34 | 9.01 -0.11 -3.53 | 18.45 -0.27 -5.21 | 19.56 -0.27 -5.66 | 22.55 -0.28 -6.02 | 21.22 -0.34 -5.79 | 26.34 -0.46 -2.34 | 22.22 -0.24 -5.12 | 13.18 -0.17 -0.05 | 8.32 -0.09 0.00 |
| SITHE_IND_GS1 24169 | 11.14 -0.29 -0.02 | 8.09 -0.21 -0.12 | 9.05 -0.26 0.00 | 11.19 -0.33 0.00 | 7.44 -0.21 -0.04 | 5.29 -0.16 -0.09 | 11.84 -0.34 0.00 | 13.28 -0.37 0.00 | 12.08 -0.32 0.00 | 8.93 -0.22 0.00 | 6.93 -0.17 0.00 | 8.49 -0.21 0.00 | 9.84 -0.25 0.00 | 5.71 -0.15 0.00 | 3.10 -0.08 -0.12 | 5.59 -0.15 -0.14 | 13.18 -0.34 -0.01 | 13.84 -0.33 0.00 | 16.55 -0.40 -0.13 | 15.73 -0.35 -0.30 | 23.88 -0.57 0.00 | 16.90 -0.44 0.00 | 12.96 -0.34 0.00 | 8.19 -0.22 0.00 |
| SITHE_IND_GS2 24170 | 11.14 -0.29 -0.02 | 8.09 -0.21 -0.12 | 9.05 -0.26 0.00 | 11.19 -0.33 0.00 | 7.44 -0.21 -0.04 | 5.29 -0.16 -0.09 | 11.84 -0.34 0.00 | 13.28 -0.37 0.00 | 12.08 -0.32 0.00 | 8.93 -0.22 0.00 | 6.93 -0.17 0.00 | 8.49 -0.21 0.00 | 9.84 -0.25 0.00 | 5.71 -0.15 0.00 | 3.10 -0.08 -0.12 | 5.59 -0.15 -0.14 | 13.18 -0.34 -0.01 | 13.84 -0.33 0.00 | 16.55 -0.40 -0.13 | 15.73 -0.35 -0.30 | 23.88 -0.57 0.00 | 16.90 -0.44 0.00 | 12.96 -0.34 0.00 | 8.19 -0.22 0.00 |
| SITHE_IND_GS3 24171 | 11.14 -0.29 -0.02 | 8.09 -0.21 -0.12 | 9.05 -0.26 0.00 | 11.19 -0.33 0.00 | 7.44 -0.21 -0.04 | 5.29 -0.16 -0.09 | 11.84 -0.34 0.00 | 13.28 -0.37 0.00 | 12.08 -0.32 0.00 | 8.93 -0.22 0.00 | 6.93 -0.17 0.00 | 8.49 -0.21 0.00 | 9.84 -0.25 0.00 | 5.71 -0.15 0.00 | 3.10 -0.08 -0.12 | 5.59 -0.15 -0.14 | 13.18 -0.34 -0.01 | 13.84 -0.33 0.00 | 16.55 -0.40 -0.13 | 15.73 -0.35 -0.30 | 23.88 -0.57 0.00 | 16.90 -0.44 0.00 | 12.96 -0.34 0.00 | 8.19 -0.22 0.00 |
| SITHE_IND_GS4 24172 | 11.14 -0.29 -0.02 | 8.09 -0.21 -0.12 | 9.05 -0.26 0.00 | 11.19 -0.33 0.00 | 7.44 -0.21 -0.04 | 5.29 -0.16 -0.09 | 11.84 -0.34 0.00 | 13.28 -0.37 0.00 | 12.08 -0.32 0.00 | 8.93 -0.22 0.00 | 6.93 -0.17 0.00 | 8.49 -0.21 0.00 | 9.84 -0.25 0.00 | 5.71 -0.15 0.00 | 3.10 -0.08 -0.12 | 5.59 -0.15 -0.14 | 13.18 -0.34 -0.01 | 13.84 -0.33 0.00 | 16.55 -0.40 -0.13 | 15.73 -0.35 -0.30 | 23.88 -0.57 0.00 | 16.90 -0.44 0.00 | 12.96 -0.34 0.00 | 8.19 -0.22 0.00 |
| SITHE____BATAVIA 24024 | 11.19 -0.27 -0.05 | 8.17 -0.28 -0.26 | 8.91 -0.40 0.00 | 11.03 -0.49 0.00 | 7.37 -0.33 -0.10 | 5.33 -0.22 -0.20 | 11.77 -0.41 0.00 | 13.23 -0.42 0.00 | 12.22 -0.18 0.00 | 9.13 -0.03 0.00 | 7.02 -0.08 0.00 | 8.63 -0.08 0.00 | 9.96 -0.13 0.00 | 5.68 -0.18 0.00 | 3.25 -0.07 -0.27 | 5.70 -0.18 -0.29 | 13.21 -0.32 -0.03 | 13.87 -0.30 0.00 | 16.68 -0.42 -0.28 | 16.17 -0.27 -0.66 | 21.52 -0.60 2.34 | 14.75 -0.47 2.12 | 12.27 -0.40 0.63 | 8.16 -0.25 0.00 |
| SITHE____INDEPEND 23800 | 11.14 -0.29 -0.02 | 8.09 -0.21 -0.12 | 9.05 -0.26 0.00 | 11.19 -0.33 0.00 | 7.44 -0.21 -0.04 | 5.29 -0.15 -0.09 | 11.84 -0.34 0.00 | 13.28 -0.37 0.00 | 12.09 -0.32 0.00 | 8.93 -0.22 0.00 | 6.93 -0.17 0.00 | 8.49 -0.21 0.00 | 9.84 -0.25 0.00 | 5.71 -0.16 0.00 | 3.10 -0.08 -0.12 | 5.59 -0.15 -0.14 | 13.18 -0.34 -0.01 | 13.84 -0.33 0.00 | 16.55 -0.40 -0.13 | 15.73 -0.34 -0.30 | 23.88 -0.57 0.00 | 16.90 -0.44 0.00 | 12.96 -0.35 0.00 | 8.19 -0.22 0.00 |
| SITHE____MASSENA 23902 | 11.42 0.01 0.00 | 8.16 -0.03 0.00 | 9.30 -0.01 0.00 | 11.52 0.00 0.00 | 7.60 -0.01 0.00 | 5.35 0.00 0.00 | 12.18 0.00 0.00 | 13.69 0.04 0.00 | 12.36 -0.04 0.00 | 9.23 -0.01 -0.10 | 7.06 -0.04 0.00 | 8.64 -0.06 0.00 | 10.02 -0.06 0.00 | 5.82 -0.04 0.00 | 3.12 -0.02 -0.08 | 6.42 -0.03 -0.86 | 14.69 -0.09 -1.28 | 15.43 -0.13 -1.38 | 18.15 -0.14 -1.47 | 17.00 -0.19 -1.41 | 24.80 -0.23 -0.57 | 18.50 -0.09 -1.25 | 13.25 -0.06 -0.01 | 8.40 -0.01 0.00 |
| SITHE____OGDNSBRG 24021 | 11.54 0.13 0.00 | 8.23 0.04 0.00 | 9.37 0.06 0.00 | 11.63 0.11 0.00 | 7.65 0.04 0.00 | 5.39 0.04 0.00 | 12.27 0.10 0.00 | 13.81 0.15 0.00 | 12.47 0.05 -0.01 | 9.50 0.06 -0.28 | 7.10 0.00 0.00 | 8.67 -0.04 0.00 | 10.02 -0.06 0.00 | 5.82 -0.04 0.00 | 3.28 -0.02 -0.24 | 8.07 -0.01 -2.49 | 17.16 -0.03 -3.68 | 18.15 -0.03 -4.00 | 21.10 0.04 -4.25 | 19.82 -0.04 -4.09 | 26.11 0.00 -1.65 | 21.03 0.07 -3.62 | 13.38 0.05 -0.03 | 8.46 0.05 0.00 |
| SITHE____STERLING 23777 | 11.61 0.18 -0.02 | 8.43 0.13 -0.11 | 9.44 0.12 0.00 | 11.68 0.16 0.00 | 7.75 0.10 -0.04 | 5.50 0.06 -0.09 | 12.33 0.16 0.00 | 13.83 0.18 0.00 | 12.58 0.18 0.00 | 9.27 0.12 0.00 | 7.17 0.07 0.00 | 8.79 0.08 0.00 | 10.18 0.09 0.00 | 5.91 0.04 0.00 | 3.20 0.02 -0.12 | 5.77 0.04 -0.14 | 13.70 0.19 -0.01 | 14.42 0.24 0.00 | 17.27 0.33 -0.12 | 16.40 0.33 -0.30 | 24.91 0.46 0.00 | 17.61 0.27 0.00 | 13.49 0.19 0.00 | 8.51 0.10 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 11.49 0.04 -0.05 | 8.42 0.01 -0.22 | 9.30 -0.01 0.00 | 11.50 -0.02 0.00 | 7.67 -0.02 -0.08 | 5.52 0.00 -0.17 | 12.19 0.01 0.00 | 13.69 0.04 0.00 | 12.51 0.11 0.00 | 9.27 0.12 0.00 | 7.19 0.08 0.00 | 8.82 0.12 0.00 | 10.20 0.11 0.00 | 5.90 0.04 0.00 | 3.32 0.03 -0.24 | 5.91 0.05 -0.27 | 13.66 0.14 -0.02 | 14.39 0.22 0.00 | 17.36 0.31 -0.24 | 16.65 0.31 -0.57 | 24.84 0.38 0.00 | 17.54 0.20 0.00 | 13.41 0.11 0.00 | 8.47 0.05 0.00 |
| SOUTH CAIRO____GT 23612 | 12.41 0.53 -0.47 | 10.87 0.39 -2.29 | 9.72 0.41 0.00 | 12.05 0.53 0.00 | 8.83 0.36 -0.86 | 7.38 0.26 -1.77 | 12.76 0.58 0.00 | 14.28 0.62 0.00 | 12.99 0.58 0.00 | 9.50 0.34 0.00 | 7.92 0.24 -0.59 | 9.28 0.30 -0.28 | 10.41 0.32 0.00 | 7.65 0.21 -1.58 | 5.59 0.11 -2.42 | 9.02 0.22 -3.21 | 14.32 0.56 -0.26 | 14.89 0.71 0.00 | 20.28 1.00 -2.46 | 22.58 0.95 -5.86 | 25.84 1.38 0.00 | 18.18 0.84 0.00 | 13.91 0.61 0.00 | 8.77 0.36 0.00 |
| SOUTH HAMPTN____IC 23720 | 12.94 1.14 -0.39 | 10.91 0.83 -1.89 | 10.18 0.87 0.00 | 12.53 1.02 0.00 | 9.01 0.69 -0.71 | 7.27 0.46 -1.46 | 13.23 1.05 0.00 | 14.77 1.12 0.00 | 13.50 1.10 0.00 | 9.91 0.76 0.00 | 9.70 0.65 -1.95 | 10.35 0.74 -0.91 | 10.93 0.84 0.00 | 11.71 0.60 -5.25 | 5.41 0.36 -2.00 | 9.32 0.63 -3.10 | 15.10 1.39 -0.21 | 15.68 1.51 0.00 | 20.69 1.84 -2.03 | 22.35 1.74 -4.84 | 26.96 2.51 0.00 | 19.16 1.81 0.00 | 14.70 1.40 0.00 | 9.32 0.91 0.00 |

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|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-----------------------|
| SOUTHDOWN_115KV_TB1 355954 | 11.28 -0.19 -0.07 | 8.32 -0.20 -0.33 | 8.96 -0.36 0.00 | 11.11 -0.41 0.00 | 7.44 -0.30 -0.12 | 5.41 -0.20 -0.26 | 11.84 -0.34 0.00 | 13.33 -0.32 0.00 | 12.33 -0.07 0.00 | 9.27 0.11 0.00 | 7.16 0.06 0.00 | 8.78 0.07 0.00 | 10.11 0.02 0.00 | 5.75 -0.11 0.00 | 3.36 -0.05 -0.35 | 5.82 -0.14 -0.37 | 13.31 -0.23 -0.04 | 13.97 -0.20 0.00 | 16.89 -0.29 -0.36 | 16.53 -0.09 -0.85 | 21.56 -0.16 2.74 | 14.67 -0.19 2.48 | 12.42 -0.14 0.74 | 8.34 -0.07 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 13.10 1.30 -0.39 | 11.02 0.94 -1.89 | 10.30 0.99 0.00 | 12.68 1.17 0.00 | 9.11 0.79 -0.71 | 7.35 0.53 -1.46 | 13.39 1.22 0.00 | 14.96 1.31 0.00 | 13.69 1.28 0.00 | 10.06 0.91 0.00 | 9.81 0.76 -1.95 | 10.49 0.87 -0.91 | 11.08 1.00 0.00 | 11.81 0.70 -5.25 | 5.45 0.40 -2.00 | 9.41 0.72 -3.10 | 15.34 1.63 -0.21 | 15.94 1.76 0.00 | 21.01 2.17 -2.03 | 22.65 2.04 -4.84 | 27.42 2.97 0.00 | 19.46 2.12 0.00 | 14.92 1.63 0.00 | 9.44 1.03 0.00 |
| SOUTHOLD___IC 23719 | 13.09 1.30 -0.39 | 11.02 0.94 -1.89 | 10.30 0.99 0.00 | 12.69 1.17 0.00 | 9.11 0.79 -0.71 | 7.34 0.53 -1.46 | 13.39 1.22 0.00 | 14.96 1.31 0.00 | 13.68 1.28 0.00 | 10.06 0.91 0.00 | 9.81 0.76 -1.95 | 10.49 0.87 -0.91 | 11.08 1.00 0.00 | 11.80 0.70 -5.25 | 5.45 0.40 -2.00 | 9.41 0.72 -3.10 | 15.34 1.63 -0.21 | 15.94 1.77 0.00 | 21.02 2.17 -2.03 | 22.65 2.04 -4.84 | 27.42 2.97 0.00 | 19.45 2.11 0.00 | 14.91 1.61 0.00 | 9.44 1.03 0.00 |
| SPIERFLS_115KV_TB 1 80737 | 12.48 0.57 -0.51 | 11.12 0.43 -2.50 | 9.76 0.45 0.00 | 12.04 0.52 0.00 | 8.90 0.35 -0.94 | 7.54 0.25 -1.93 | 12.73 0.55 0.00 | 14.39 0.73 0.00 | 13.11 0.71 0.00 | 9.66 0.50 0.00 | 8.23 0.41 -0.72 | 9.52 0.48 -0.34 | 10.60 0.51 0.00 | 8.09 0.29 -1.94 | 5.85 0.15 -2.64 | 9.29 0.30 -3.40 | 14.55 0.77 -0.28 | 15.07 0.89 0.00 | 20.58 1.08 -2.68 | 23.15 0.99 -6.39 | 25.88 1.42 0.00 | 18.21 0.87 0.00 | 13.95 0.65 0.00 | 8.78 0.37 0.00 |
| ST LAWRENCE____ 23600 | 11.29 -0.12 0.00 | 8.07 -0.12 0.00 | 9.21 -0.10 0.00 | 11.40 -0.12 0.00 | 7.53 -0.08 0.00 | 5.30 -0.05 0.00 | 12.06 -0.11 0.00 | 13.55 -0.10 0.00 | 12.25 -0.15 0.00 | 9.05 -0.10 0.00 | 7.00 -0.10 0.00 | 8.57 -0.14 0.00 | 9.94 -0.14 0.00 | 5.77 -0.09 0.00 | 3.01 -0.04 0.00 | 5.51 -0.08 0.00 | 13.30 -0.20 0.00 | 13.91 -0.26 0.00 | 16.52 -0.30 0.00 | 15.44 -0.34 0.00 | 24.01 -0.45 0.00 | 17.09 -0.25 0.00 | 13.12 -0.18 0.00 | 8.32 -0.09 0.00 |
| STATE_CA_115KV_115_LB 55624 | 12.15 0.24 -0.50 | 10.83 0.19 -2.45 | 9.50 0.19 0.00 | 11.77 0.25 0.00 | 8.70 0.17 -0.92 | 7.36 0.12 -1.89 | 12.42 0.25 0.00 | 13.87 0.22 0.00 | 12.63 0.23 0.00 | 9.30 0.15 0.00 | 7.98 0.14 -0.74 | 9.23 0.17 -0.35 | 10.28 0.19 0.00 | 7.98 0.13 -1.99 | 5.71 0.07 -2.59 | 9.09 0.14 -3.36 | 14.05 0.28 -0.27 | 14.52 0.34 0.00 | 19.86 0.41 -2.63 | 22.42 0.39 -6.27 | 25.00 0.54 0.00 | 17.66 0.31 0.00 | 13.55 0.25 0.00 | 8.56 0.15 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 11.48 0.02 -0.05 | 8.46 0.03 -0.24 | 9.34 0.02 0.00 | 11.53 0.01 0.00 | 7.69 -0.01 -0.09 | 5.55 0.01 -0.18 | 12.18 0.01 0.00 | 13.67 0.01 0.00 | 12.49 0.08 0.00 | 9.23 0.08 0.00 | 7.15 0.05 0.00 | 8.77 0.07 0.00 | 10.15 0.06 0.00 | 5.89 0.03 0.00 | 3.32 0.01 -0.25 | 5.92 0.03 -0.30 | 13.63 0.10 -0.03 | 14.32 0.15 0.00 | 17.29 0.22 -0.26 | 16.60 0.21 -0.61 | 25.26 0.30 -0.50 | 17.96 0.16 -0.45 | 13.55 0.11 -0.14 | 8.46 0.05 0.00 |
| STATION 5_MISC_HYD 23604 | 11.20 -0.25 -0.05 | 8.18 -0.23 -0.22 | 8.98 -0.33 0.00 | 11.12 -0.40 0.00 | 7.42 -0.27 -0.08 | 5.34 -0.19 -0.17 | 11.82 -0.36 0.00 | 13.27 -0.38 0.00 | 12.17 -0.23 0.00 | 9.06 -0.09 0.00 | 7.01 -0.09 0.00 | 8.61 -0.09 0.00 | 9.97 -0.12 0.00 | 5.73 -0.13 0.00 | 3.22 -0.06 -0.23 | 5.72 -0.13 -0.27 | 13.28 -0.24 -0.02 | 13.95 -0.23 0.00 | 16.75 -0.29 -0.23 | 16.12 -0.22 -0.56 | 23.98 -0.48 0.00 | 16.94 -0.40 0.00 | 12.97 -0.33 0.00 | 8.20 -0.21 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 11.30 -0.15 -0.05 | 8.27 -0.14 -0.22 | 9.10 -0.21 0.00 | 11.26 -0.26 0.00 | 7.52 -0.17 -0.08 | 5.40 -0.12 -0.17 | 11.96 -0.22 0.00 | 13.43 -0.22 0.00 | 12.29 -0.11 0.00 | 9.13 -0.02 0.00 | 7.07 -0.03 0.00 | 8.67 -0.03 0.00 | 10.04 -0.05 0.00 | 5.79 -0.07 0.00 | 3.25 -0.03 -0.24 | 5.79 -0.07 -0.27 | 13.44 -0.09 -0.02 | 14.13 -0.04 0.00 | 17.00 -0.05 -0.24 | 16.34 -0.01 -0.57 | 24.31 -0.15 0.00 | 17.16 -0.18 0.00 | 13.13 -0.17 0.00 | 8.30 -0.11 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 11.15 -0.30 -0.04 | 8.14 -0.27 -0.22 | 8.95 -0.36 0.00 | 11.07 -0.45 0.00 | 7.39 -0.30 -0.08 | 5.32 -0.20 -0.17 | 11.76 -0.42 0.00 | 13.21 -0.44 0.00 | 12.12 -0.29 0.00 | 9.02 -0.13 0.00 | 6.98 -0.12 0.00 | 8.57 -0.14 0.00 | 9.92 -0.17 0.00 | 5.71 -0.15 0.00 | 3.21 -0.08 -0.23 | 5.70 -0.15 -0.27 | 13.23 -0.30 -0.02 | 13.89 -0.28 0.00 | 16.70 -0.35 -0.23 | 16.06 -0.27 -0.56 | 23.88 -0.58 0.00 | 16.87 -0.47 0.00 | 12.90 -0.40 0.00 | 8.16 -0.25 0.00 |
| STA_56___34_KV_BUS2 355983 | 11.15 -0.30 -0.04 | 8.14 -0.27 -0.22 | 8.95 -0.36 0.00 | 11.07 -0.45 0.00 | 7.39 -0.30 -0.08 | 5.32 -0.20 -0.17 | 11.76 -0.42 0.00 | 13.21 -0.44 0.00 | 12.12 -0.29 0.00 | 9.02 -0.13 0.00 | 6.98 -0.12 0.00 | 8.57 -0.14 0.00 | 9.92 -0.17 0.00 | 5.71 -0.15 0.00 | 3.21 -0.08 -0.23 | 5.70 -0.15 -0.27 | 13.23 -0.30 -0.02 | 13.89 -0.28 0.00 | 16.70 -0.35 -0.23 | 16.06 -0.27 -0.56 | 23.88 -0.58 0.00 | 16.87 -0.47 0.00 | 12.90 -0.40 0.00 | 8.16 -0.25 0.00 |
| STA_67___115KV_BK2 355882 | 11.18 -0.27 -0.04 | 8.17 -0.24 -0.22 | 8.97 -0.34 0.00 | 11.10 -0.42 0.00 | 7.41 -0.28 -0.08 | 5.33 -0.20 -0.17 | 11.79 -0.39 0.00 | 13.25 -0.41 0.00 | 12.15 -0.25 0.00 | 9.05 -0.10 0.00 | 7.00 -0.10 0.00 | 8.59 -0.11 0.00 | 9.95 -0.14 0.00 | 5.72 -0.14 0.00 | 3.22 -0.07 -0.23 | 5.72 -0.14 -0.27 | 13.25 -0.27 -0.02 | 13.92 -0.26 0.00 | 16.72 -0.33 -0.23 | 16.09 -0.25 -0.56 | 23.92 -0.53 0.00 | 16.90 -0.44 0.00 | 12.93 -0.37 0.00 | 8.18 -0.23 0.00 |
| STA_7___115KV_9TRANS 80674 | 11.24 -0.21 -0.05 | 8.21 -0.20 -0.22 | 9.01 -0.30 0.00 | 11.15 -0.37 0.00 | 7.44 -0.25 -0.08 | 5.35 -0.17 -0.17 | 11.85 -0.33 0.00 | 13.31 -0.34 0.00 | 12.21 -0.19 0.00 | 9.10 -0.06 0.00 | 7.04 -0.06 0.00 | 8.64 -0.07 0.00 | 10.00 -0.08 0.00 | 5.75 -0.11 0.00 | 3.23 -0.05 -0.23 | 5.75 -0.11 -0.27 | 13.34 -0.18 -0.02 | 14.01 -0.16 0.00 | 16.84 -0.21 -0.23 | 16.20 -0.14 -0.56 | 24.09 -0.37 0.00 | 17.01 -0.33 0.00 | 13.01 -0.29 0.00 | 8.23 -0.18 0.00 |
| STA_82___115KV_TB1 80780 | 11.19 -0.27 -0.05 | 8.17 -0.24 -0.22 | 8.97 -0.34 0.00 | 11.10 -0.41 0.00 | 7.41 -0.28 -0.08 | 5.33 -0.19 -0.17 | 11.79 -0.38 0.00 | 13.25 -0.40 0.00 | 12.16 -0.24 0.00 | 9.05 -0.10 0.00 | 7.01 -0.10 0.00 | 8.60 -0.11 0.00 | 9.95 -0.14 0.00 | 5.72 -0.14 0.00 | 3.22 -0.07 -0.23 | 5.72 -0.14 -0.27 | 13.26 -0.26 -0.02 | 13.92 -0.26 0.00 | 16.73 -0.32 -0.23 | 16.10 -0.24 -0.56 | 23.93 -0.53 0.00 | 16.91 -0.44 0.00 | 12.93 -0.37 0.00 | 8.19 -0.22 0.00 |
| STEEL___WIND 323596 | 11.04 -0.43 -0.06 | 8.11 -0.39 -0.31 | 8.77 -0.54 0.00 | 10.85 -0.67 0.00 | 7.27 -0.45 -0.12 | 5.28 -0.31 -0.24 | 11.56 -0.62 0.00 | 12.99 -0.67 0.00 | 12.01 -0.39 0.00 | 9.01 -0.14 0.00 | 6.96 -0.14 0.00 | 8.53 -0.17 0.00 | 9.87 -0.22 0.00 | 5.61 -0.26 0.00 | 3.26 -0.12 -0.33 | 5.63 -0.28 -0.32 | 12.93 -0.60 -0.03 | 13.53 -0.65 0.00 | 16.28 -0.87 -0.34 | 15.92 -0.64 -0.79 | 18.78 -1.11 4.56 | 12.37 -0.83 4.13 | 11.44 -0.63 1.23 | 8.04 -0.37 0.00 |

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|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| STEPHTWN_115KV_BK_2 55603 | 12.20 0.29 -0.49 | 10.86 0.24 -2.43 | 9.54 0.23 0.00 | 11.79 0.27 0.00 | 8.72 0.20 -0.91 | 7.37 0.15 -1.88 | 12.50 0.32 0.00 | 13.99 0.33 0.00 | 12.73 0.32 0.00 | 9.35 0.20 0.00 | 8.03 0.18 -0.74 | 9.29 0.23 -0.35 | 10.34 0.25 0.00 | 8.02 0.17 -2.00 | 5.71 0.09 -2.57 | 9.11 0.18 -3.34 | 14.18 0.40 -0.27 | 14.61 0.44 0.00 | 20.01 0.59 -2.61 | 22.51 0.53 -6.22 | 25.24 0.78 0.00 | 17.77 0.43 0.00 | 13.66 0.36 0.00 | 8.61 0.19 0.00 |
| STEBEN_REC_LFGE 323667 | 10.91 -0.58 -0.08 | 8.31 -0.29 -0.40 | 8.83 -0.48 0.00 | 10.93 -0.59 0.00 | 7.46 -0.31 -0.15 | 5.33 -0.33 -0.31 | 11.47 -0.70 0.00 | 12.93 -0.72 0.00 | 11.82 -0.58 0.00 | 8.81 -0.34 0.00 | 6.78 -0.32 0.00 | 8.28 -0.42 0.00 | 9.53 -0.55 0.00 | 5.46 -0.40 0.00 | 3.29 -0.19 -0.43 | 5.81 -0.38 -0.60 | 12.48 -1.07 -0.05 | 13.02 -1.16 0.00 | 16.06 -1.20 -0.45 | 15.84 -0.99 -1.05 | 31.29 -1.33 -8.16 | 23.85 -0.90 -7.40 | 15.02 -0.49 -2.21 | 8.23 -0.18 0.00 |
| STONY__BROOK 24151 | 12.75 0.96 -0.39 | 10.79 0.71 -1.89 | 10.05 0.74 0.00 | 12.37 0.85 0.00 | 8.90 0.58 -0.71 | 7.20 0.38 -1.46 | 13.04 0.86 0.00 | 14.55 0.90 0.00 | 13.30 0.90 0.00 | 9.77 0.62 0.00 | 9.60 0.55 -1.95 | 10.24 0.62 -0.91 | 10.80 0.71 0.00 | 11.63 0.52 -5.25 | 5.36 0.31 -2.00 | 9.22 0.53 -3.10 | 14.87 1.16 -0.21 | 15.42 1.24 0.00 | 20.36 1.51 -2.03 | 22.03 1.42 -4.84 | 26.49 2.03 0.00 | 18.84 1.50 0.00 | 14.48 1.18 0.00 | 9.19 0.77 0.00 |
| STURGEON_POOL_HYD 23609 | 12.40 0.59 -0.40 | 10.62 0.45 -1.98 | 9.78 0.47 0.00 | 12.08 0.57 0.00 | 8.74 0.38 -0.74 | 7.14 0.27 -1.53 | 12.76 0.59 0.00 | 14.29 0.64 0.00 | 13.02 0.61 0.00 | 9.60 0.45 0.00 | 7.75 0.38 -0.27 | 9.31 0.48 -0.13 | 10.64 0.55 0.00 | 6.95 0.36 -0.72 | 5.33 0.19 -2.09 | 8.85 0.34 -2.93 | 14.48 0.76 -0.22 | 15.00 0.83 0.00 | 19.93 0.98 -2.12 | 21.83 1.00 -5.06 | 25.91 1.45 0.00 | 18.33 0.99 0.00 | 14.05 0.75 0.00 | 8.88 0.47 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 12.29 0.55 -0.33 | 10.23 0.42 -1.62 | 9.75 0.44 0.00 | 12.04 0.51 0.00 | 8.57 0.35 -0.61 | 6.84 0.24 -1.25 | 12.72 0.55 0.00 | 14.24 0.59 0.00 | 12.99 0.59 0.00 | 9.57 0.42 0.00 | 5.33 0.35 2.13 | 8.15 0.44 1.00 | 10.61 0.52 0.00 | 0.47 0.34 5.73 | 4.94 0.17 -1.71 | 8.83 0.32 -2.92 | 14.40 0.72 -0.18 | 14.96 0.79 0.00 | 19.49 0.93 -1.74 | 20.86 0.95 -4.14 | 25.84 1.38 0.00 | 18.29 0.95 0.00 | 14.02 0.71 0.00 | 8.85 0.44 0.00 |
| SWANROAD_115KV_TB1 355699 | 10.73 -0.74 -0.06 | 7.85 -0.62 -0.29 | 8.51 -0.81 0.00 | 10.55 -0.97 0.00 | 7.07 -0.65 -0.11 | 5.12 -0.45 -0.22 | 11.24 -0.94 0.00 | 12.63 -1.03 0.00 | 11.72 -0.69 0.00 | 8.82 -0.34 0.00 | 6.78 -0.33 0.00 | 8.31 -0.40 0.00 | 9.61 -0.48 0.00 | 5.45 -0.41 0.00 | 3.16 -0.20 -0.30 | 5.46 -0.43 -0.31 | 12.52 -1.02 -0.03 | 13.08 -1.09 0.00 | 15.73 -1.39 -0.31 | 15.37 -1.14 -0.73 | 18.88 -1.99 3.59 | 12.72 -1.37 3.25 | 11.26 -1.07 0.97 | 7.77 -0.64 0.00 |
| SYNERGY__BIOGAS 323694 | 11.19 -0.27 -0.05 | 8.17 -0.28 -0.26 | 8.91 -0.40 0.00 | 11.03 -0.49 0.00 | 7.37 -0.33 -0.10 | 5.33 -0.22 -0.20 | 11.77 -0.41 0.00 | 13.23 -0.42 0.00 | 12.22 -0.18 0.00 | 9.13 -0.03 0.00 | 7.02 -0.08 0.00 | 8.63 -0.08 0.00 | 9.96 -0.13 0.00 | 5.68 -0.18 0.00 | 3.25 -0.07 -0.27 | 5.70 -0.18 -0.29 | 13.21 -0.32 -0.03 | 13.87 -0.30 0.00 | 16.68 -0.42 -0.28 | 16.17 -0.27 -0.66 | 21.52 -0.60 2.34 | 14.75 -0.47 2.12 | 12.27 -0.40 0.63 | 8.16 -0.25 0.00 |
| SYRACUSE__ENERGY_ST1 323597 | 11.43 -0.01 -0.04 | 8.37 -0.01 -0.19 | 9.27 -0.04 0.00 | 11.47 -0.05 0.00 | 7.64 -0.03 -0.07 | 5.47 -0.02 -0.15 | 12.13 -0.05 0.00 | 13.61 -0.04 0.00 | 12.40 -0.01 0.00 | 9.16 0.01 0.00 | 7.11 0.01 0.00 | 8.72 0.02 0.00 | 10.09 0.01 0.00 | 5.86 0.00 0.00 | 3.25 0.00 -0.20 | 5.82 0.00 -0.23 | 13.55 0.03 -0.02 | 14.24 0.07 0.00 | 17.10 0.09 -0.20 | 16.37 0.11 -0.49 | 24.56 0.11 0.00 | 17.36 0.02 0.00 | 13.31 0.00 0.00 | 8.40 -0.01 0.00 |
| SYRACUSE__ENERGY_ST2 323598 | 11.43 -0.01 -0.04 | 8.37 -0.01 -0.19 | 9.27 -0.04 0.00 | 11.47 -0.05 0.00 | 7.64 -0.03 -0.07 | 5.47 -0.02 -0.15 | 12.13 -0.05 0.00 | 13.61 -0.04 0.00 | 12.40 -0.01 0.00 | 9.16 0.01 0.00 | 7.11 0.01 0.00 | 8.72 0.02 0.00 | 10.09 0.01 0.00 | 5.86 0.00 0.00 | 3.25 0.00 -0.20 | 5.82 0.00 -0.23 | 13.55 0.03 -0.02 | 14.24 0.07 0.00 | 17.10 0.09 -0.20 | 16.37 0.11 -0.49 | 24.56 0.11 0.00 | 17.36 0.02 0.00 | 13.31 0.00 0.00 | 8.40 -0.01 0.00 |
| SYRACUSE__POWER 24017 | 11.40 -0.05 -0.04 | 8.35 -0.04 -0.20 | 9.24 -0.07 0.00 | 11.43 -0.09 0.00 | 7.63 -0.06 -0.07 | 5.46 -0.04 -0.15 | 12.10 -0.08 0.00 | 13.57 -0.08 0.00 | 12.36 -0.05 0.00 | 9.13 -0.02 0.00 | 7.09 -0.02 0.00 | 8.69 -0.01 0.00 | 10.06 -0.03 0.00 | 5.84 -0.02 0.00 | 3.25 -0.01 -0.21 | 5.81 -0.02 -0.24 | 13.51 -0.01 -0.02 | 14.19 0.01 0.00 | 17.06 0.03 -0.21 | 16.35 0.07 -0.51 | 24.51 0.05 0.00 | 17.32 -0.03 0.00 | 13.27 -0.04 0.00 | 8.38 -0.03 0.00 |
| TALLMAN_138KV_BK151 55660 | 12.36 0.61 -0.35 | 10.36 0.47 -1.71 | 9.79 0.48 0.00 | 12.08 0.57 0.00 | 8.64 0.39 -0.64 | 6.93 0.26 -1.32 | 12.77 0.60 0.00 | 14.29 0.64 0.00 | 13.05 0.65 0.00 | 9.61 0.46 0.00 | 4.98 0.40 2.52 | 8.02 0.49 1.18 | 10.67 0.58 0.00 | -0.53 0.38 6.77 | 5.05 0.19 -1.80 | 9.11 0.36 -3.16 | 14.49 0.80 -0.19 | 15.04 0.87 0.00 | 19.67 1.02 -1.83 | 21.17 1.04 -4.37 | 25.96 1.50 0.00 | 18.38 1.04 0.00 | 14.08 0.78 0.00 | 8.90 0.49 0.00 |
| TEALLAVE_115KV_TB7 355573 | 11.33 -0.11 -0.03 | 8.27 -0.08 -0.17 | 9.20 -0.11 0.00 | 11.37 -0.14 0.00 | 7.57 -0.09 -0.06 | 5.41 -0.07 -0.13 | 12.04 -0.14 0.00 | 13.50 -0.15 0.00 | 12.29 -0.11 0.00 | 9.09 -0.06 0.00 | 7.05 -0.05 0.00 | 8.65 -0.06 0.00 | 10.01 -0.07 0.00 | 5.81 -0.05 0.00 | 3.21 -0.03 -0.18 | 5.75 -0.05 -0.21 | 13.43 -0.09 -0.02 | 14.11 -0.06 0.00 | 16.93 -0.07 -0.18 | 16.18 -0.02 -0.43 | 24.36 -0.10 0.00 | 17.22 -0.11 0.00 | 13.20 -0.10 0.00 | 8.33 -0.08 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 10.99 -0.47 -0.05 | 8.03 -0.43 -0.27 | 8.72 -0.59 0.00 | 10.81 -0.71 0.00 | 7.24 -0.48 -0.10 | 5.23 -0.33 -0.21 | 11.52 -0.66 0.00 | 12.96 -0.70 0.00 | 11.99 -0.41 0.00 | 9.00 -0.15 0.00 | 6.92 -0.18 0.00 | 8.50 -0.21 0.00 | 9.83 -0.26 0.00 | 5.59 -0.27 0.00 | 3.21 -0.13 -0.29 | 5.60 -0.29 -0.03 | 12.90 -0.63 0.00 | 13.51 -0.67 0.00 | 16.23 -0.88 -0.29 | 15.79 -0.67 -0.69 | 20.29 -1.25 2.93 | 13.79 -0.90 2.65 | 11.79 -0.72 0.79 | 7.98 -0.43 0.00 |
| TEMPLE__115KV_TB 2 55572 | 11.34 -0.11 -0.03 | 8.28 -0.08 -0.17 | 9.20 -0.11 0.00 | 11.38 -0.14 0.00 | 7.58 -0.09 -0.06 | 5.41 -0.07 -0.13 | 12.04 -0.14 0.00 | 13.51 -0.15 0.00 | 12.29 -0.11 0.00 | 9.09 -0.06 0.00 | 7.05 -0.05 0.00 | 8.66 -0.05 0.00 | 10.02 -0.06 0.00 | 5.81 -0.05 0.00 | 3.21 -0.02 -0.18 | 5.75 -0.05 -0.21 | 13.44 -0.08 -0.02 | 14.12 -0.05 0.00 | 16.93 -0.07 -0.18 | 16.20 -0.01 -0.43 | 24.37 -0.08 0.00 | 17.23 -0.11 0.00 | 13.20 -0.10 0.00 | 8.34 -0.07 0.00 |
| TIANA__69_KV_BK 1 55817 | 12.90 1.10 -0.39 | 10.89 0.81 -1.89 | 10.15 0.84 0.00 | 12.50 0.98 0.00 | 8.98 0.67 -0.71 | 7.26 0.44 -1.46 | 13.19 1.01 0.00 | 14.73 1.07 0.00 | 13.45 1.05 0.00 | 9.88 0.73 0.00 | 9.67 0.62 -1.95 | 10.32 0.70 -0.91 | 10.89 0.80 0.00 | 11.68 0.58 -5.25 | 5.40 0.34 -2.00 | 9.29 0.60 -3.10 | 15.04 1.32 -0.21 | 15.61 1.43 0.00 | 20.61 1.76 -2.03 | 22.27 1.66 -4.84 | 26.85 2.40 0.00 | 19.08 1.74 0.00 | 14.66 1.36 0.00 | 9.29 0.88 0.00 |

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| TILDEN___115KV_TB1 80814 | 11.40 -0.05 -0.04 | 8.35 -0.04 -0.20 | 9.24 -0.07 0.00 | 11.43 -0.09 0.00 | 7.63 -0.06 -0.07 | 5.46 -0.04 -0.15 | 12.10 -0.08 0.00 | 13.57 -0.08 0.00 | 12.36 -0.05 0.00 | 9.13 -0.02 0.00 | 7.09 -0.02 0.00 | 8.69 -0.01 0.00 | 10.06 -0.03 0.00 | 5.84 -0.02 0.00 | 3.25 -0.01 -0.21 | 5.81 -0.02 -0.24 | 13.51 -0.01 -0.02 | 14.19 0.01 0.00 | 17.06 0.03 -0.21 | 16.35 0.07 -0.51 | 24.51 0.05 0.00 | 17.32 -0.03 0.00 | 13.27 -0.04 0.00 | 8.38 -0.03 0.00 |
| TRIGEN___CC 323695 | 12.54 0.75 -0.39 | 10.66 0.57 -1.89 | 9.90 0.59 0.00 | 12.21 0.69 0.00 | 8.79 0.47 -0.71 | 7.13 0.31 -1.46 | 12.87 0.70 0.00 | 14.37 0.72 0.00 | 13.14 0.74 0.00 | 9.67 0.52 0.00 | 9.54 0.49 -1.95 | 10.19 0.57 -0.91 | 10.76 0.68 0.00 | 11.58 0.48 -5.25 | 5.31 0.26 -2.00 | 9.14 0.45 -3.10 | 14.68 0.97 -0.21 | 15.19 1.02 0.00 | 20.05 1.20 -2.03 | 21.77 1.16 -4.84 | 26.13 1.67 0.00 | 18.58 1.24 0.00 | 14.28 0.98 0.00 | 9.04 0.63 0.00 |
| TRINITY__115KV__4 BK 55933 | 12.10 0.20 -0.50 | 10.79 0.16 -2.44 | 9.47 0.16 0.00 | 11.73 0.21 0.00 | 8.67 0.15 -0.91 | 7.33 0.10 -1.88 | 12.39 0.21 0.00 | 13.83 0.17 0.00 | 12.58 0.18 0.00 | 9.26 0.11 0.00 | 7.96 0.12 -0.74 | 9.19 0.14 -0.35 | 10.24 0.15 0.00 | 7.97 0.11 -2.00 | 5.68 0.06 -2.57 | 9.05 0.12 -3.34 | 13.99 0.22 -0.27 | 14.45 0.27 0.00 | 19.77 0.34 -2.62 | 22.31 0.31 -6.23 | 24.88 0.43 0.00 | 17.58 0.24 0.00 | 13.50 0.20 0.00 | 8.53 0.12 0.00 |
| UNION___PROCESSING_DRP 323587 | 11.19 -0.26 -0.05 | 8.17 -0.24 -0.22 | 8.98 -0.33 0.00 | 11.10 -0.41 0.00 | 7.41 -0.28 -0.08 | 5.33 -0.19 -0.17 | 11.80 -0.38 0.00 | 13.26 -0.40 0.00 | 12.16 -0.24 0.00 | 9.06 -0.10 0.00 | 7.01 -0.10 0.00 | 8.60 -0.11 0.00 | 9.95 -0.13 0.00 | 5.72 -0.14 0.00 | 3.22 -0.07 -0.23 | 5.72 -0.14 -0.27 | 13.26 -0.26 -0.02 | 13.93 -0.25 0.00 | 16.74 -0.31 -0.23 | 16.11 -0.23 -0.57 | 23.94 -0.52 0.00 | 16.91 -0.43 0.00 | 12.94 -0.36 0.00 | 8.19 -0.22 0.00 |
| UPPER HUDSON___HYD 24058 | 12.48 0.57 -0.51 | 11.12 0.43 -2.50 | 9.76 0.45 0.00 | 12.04 0.52 0.00 | 8.90 0.35 -0.94 | 7.54 0.25 -1.93 | 12.73 0.55 0.00 | 14.39 0.73 0.00 | 13.11 0.71 0.00 | 9.66 0.50 0.00 | 8.23 0.41 -0.72 | 9.52 0.48 -0.34 | 10.60 0.51 0.00 | 8.09 0.29 -1.94 | 5.85 0.15 -2.64 | 9.29 0.30 -3.40 | 14.55 0.77 -0.28 | 15.07 0.89 0.00 | 20.58 1.08 -2.68 | 23.15 0.99 -6.39 | 25.88 1.42 0.00 | 18.21 0.87 0.00 | 13.94 0.64 0.00 | 8.78 0.37 0.00 |
| UPPER RAQUET___HYD 24056 | 11.47 0.06 0.00 | 8.16 -0.03 0.00 | 9.27 -0.04 0.00 | 11.53 0.01 0.00 | 7.56 -0.05 0.00 | 5.31 -0.04 0.00 | 12.08 -0.10 0.00 | 13.57 -0.08 0.00 | 12.25 -0.16 -0.01 | 9.45 -0.10 -0.40 | 6.98 -0.12 0.00 | 8.53 -0.17 0.00 | 9.88 -0.20 0.00 | 5.74 -0.13 0.00 | 3.33 -0.06 -0.34 | 9.01 -0.11 -3.53 | 18.45 -0.27 -5.21 | 19.56 -0.27 -5.66 | 22.55 -0.28 -6.02 | 21.22 -0.34 -5.79 | 26.34 -0.46 -2.34 | 22.22 -0.24 -5.12 | 13.18 -0.17 -0.05 | 8.32 0.00 |
| VALLEY44_115KV_TB2 355964 | 11.30 -0.17 -0.07 | 8.38 -0.15 -0.34 | 9.07 -0.24 0.00 | 11.25 -0.27 0.00 | 7.55 -0.18 -0.13 | 5.48 -0.13 -0.26 | 11.96 -0.22 0.00 | 13.46 -0.20 0.00 | 12.40 -0.01 0.00 | 9.28 0.13 0.00 | 7.17 0.07 0.00 | 8.79 0.09 0.00 | 10.17 0.08 0.00 | 5.80 -0.07 0.00 | 3.39 -0.02 -0.36 | 5.88 -0.10 -0.38 | 13.42 -0.12 -0.04 | 14.00 -0.17 0.00 | 16.86 -0.32 -0.37 | 16.51 -0.12 -0.87 | 21.95 -0.22 2.28 | 15.00 -0.27 2.06 | 12.49 -0.19 0.62 | 8.32 -0.09 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 11.52 0.11 0.00 | 8.24 0.05 0.00 | 9.35 0.03 0.00 | 11.57 0.05 0.00 | 7.65 0.04 0.00 | 5.39 0.03 0.00 | 12.24 0.06 0.00 | 13.72 0.07 0.00 | 12.43 0.03 0.00 | 9.20 0.04 0.00 | 7.13 0.04 0.00 | 8.72 0.02 0.00 | 10.09 0.00 0.00 | 5.85 -0.02 0.00 | 3.03 -0.02 0.00 | 5.57 -0.02 0.00 | 13.46 -0.04 0.00 | 14.31 0.13 0.00 | 17.08 0.27 0.00 | 16.02 0.25 0.00 | 24.65 0.19 0.00 | 17.36 0.02 0.00 | 13.35 0.05 0.00 | 8.43 0.01 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 12.00 0.40 -0.18 | 9.39 0.31 -0.90 | 9.63 0.32 0.00 | 11.93 0.41 0.00 | 8.22 0.28 -0.34 | 6.23 0.19 -0.69 | 12.63 0.45 0.00 | 14.17 0.52 0.00 | 12.89 0.49 0.00 | 9.52 0.37 0.00 | 7.24 0.30 0.15 | 9.00 0.36 0.07 | 10.49 0.41 0.00 | 5.69 0.24 0.41 | 4.12 0.12 -0.95 | 6.91 0.22 -1.10 | 14.16 0.56 -0.10 | 14.78 0.60 0.00 | 18.51 0.73 -0.97 | 18.81 0.74 -2.29 | 25.56 1.11 0.00 | 18.05 0.71 0.00 | 13.83 0.53 0.00 | 8.73 0.32 0.00 |
| VISCHER___FERRY HYD 24020 | 12.26 0.35 -0.50 | 10.92 0.27 -2.46 | 9.59 0.28 0.00 | 11.86 0.35 0.00 | 8.77 0.24 -0.92 | 7.42 0.17 -1.90 | 12.53 0.36 0.00 | 14.05 0.39 0.00 | 12.76 0.36 0.00 | 9.39 0.24 0.00 | 8.06 0.21 -0.75 | 9.31 0.25 -0.35 | 10.37 0.28 0.00 | 8.07 0.18 -2.02 | 5.75 0.10 -2.60 | 9.15 0.18 -3.38 | 14.21 0.44 -0.27 | 14.68 0.50 0.00 | 20.08 0.62 -2.64 | 22.64 0.57 -6.30 | 25.29 0.84 0.00 | 17.83 0.49 0.00 | 13.68 0.38 0.00 | 8.64 0.23 0.00 |
| V_A_10_SYNC_DSASP 323832 | 10.89 -0.57 -0.05 | 7.97 -0.49 -0.27 | 8.66 -0.65 0.00 | 10.73 -0.79 0.00 | 7.18 -0.53 -0.10 | 5.19 -0.37 -0.20 | 11.42 -0.75 0.00 | 12.83 -0.83 0.00 | 11.85 -0.56 0.00 | 8.88 -0.27 0.00 | 6.86 -0.24 0.00 | 8.41 -0.29 0.00 | 9.74 -0.34 0.00 | 5.55 -0.31 0.00 | 3.18 -0.15 -0.28 | 5.55 -0.33 -0.29 | 12.79 -0.74 -0.03 | 13.38 -0.79 0.00 | 16.08 -1.02 -0.28 | 15.61 -0.84 -0.68 | 20.28 -1.47 2.70 | 13.82 -1.07 2.45 | 11.74 -0.83 0.73 | 7.91 -0.50 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 11.34 -0.07 0.00 | 8.11 -0.08 0.00 | 9.25 -0.06 0.00 | 11.45 -0.07 0.00 | 7.56 -0.05 0.00 | 5.32 -0.03 0.00 | 12.12 -0.06 0.00 | 13.62 -0.04 0.00 | 12.30 -0.10 0.00 | 9.10 -0.06 0.00 | 7.03 -0.07 0.00 | 8.61 -0.09 0.00 | 9.99 -0.09 0.00 | 5.80 -0.06 0.00 | 3.02 -0.03 0.00 | 5.54 -0.05 0.00 | 13.37 -0.13 0.00 | 13.98 -0.19 0.00 | 16.60 -0.22 0.00 | 15.51 -0.26 0.00 | 24.11 -0.34 0.00 | 17.15 -0.20 0.00 | 13.15 -0.15 0.00 | 8.34 -0.07 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 11.81 0.40 0.00 | 8.27 0.08 0.00 | 9.39 0.07 0.00 | 11.64 0.12 0.00 | 7.67 0.06 0.00 | 5.36 0.00 0.00 | 12.04 -0.14 0.00 | 13.55 -0.10 0.00 | 11.94 -0.37 0.09 | 6.37 -0.28 2.50 | 6.87 -0.23 0.00 | 8.47 -0.24 0.00 | 9.78 -0.30 0.00 | 5.67 -0.19 0.00 | 0.85 -0.10 2.11 | -16.79 -0.23 22.15 | -19.75 -0.53 32.71 | -21.90 -0.58 35.50 | -21.61 -0.68 37.74 | -21.19 -0.66 36.31 | 8.92 -0.87 14.67 | -15.39 -0.59 32.13 | 12.72 -0.29 0.29 | 8.28 -0.13 0.00 |
| V_E_10_SYNC_DSASP 323830 | 12.01 0.48 -0.12 | 9.12 0.33 -0.60 | 9.67 0.35 0.00 | 11.95 0.44 0.00 | 8.15 0.32 -0.22 | 6.05 0.24 -0.46 | 12.74 0.56 0.00 | 14.24 0.58 0.00 | 12.93 0.53 0.00 | 9.53 0.38 0.00 | 7.39 0.29 0.00 | 9.02 0.32 0.00 | 10.39 0.30 0.00 | 6.08 0.21 0.00 | 3.79 0.10 -0.63 | 6.51 0.18 -0.74 | 14.20 0.63 -0.07 | 14.89 0.72 0.00 | 18.36 0.90 -0.65 | 18.34 1.03 -1.54 | 26.55 1.47 -0.62 | 18.85 0.95 -0.56 | 14.15 0.68 -0.17 | 8.78 0.37 0.00 |
| V_F_30_NSYNC___DSASP 323816 | 12.43 0.52 -0.51 | 11.08 0.39 -2.49 | 9.72 0.41 0.00 | 12.02 0.50 0.00 | 8.89 0.34 -0.94 | 7.52 0.25 -1.93 | 12.71 0.53 0.00 | 14.29 0.63 0.00 | 12.99 0.58 0.00 | 9.57 0.41 0.00 | 8.17 0.34 -0.72 | 9.45 0.41 -0.34 | 10.54 0.45 0.00 | 8.09 0.28 -1.95 | 5.83 0.14 -2.63 | 9.27 0.28 -3.40 | 14.46 0.69 -0.28 | 14.96 0.78 0.00 | 20.45 0.95 -2.68 | 23.03 0.88 -6.37 | 25.75 1.29 0.00 | 18.14 0.80 0.00 | 13.90 0.61 0.00 | 8.77 0.36 0.00 |

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|--|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|--------------------------|------------------------|-----------------------|
| V_F_30_SYNC_DSASP 323786 | 12.15 0.24 -0.50 | 10.83 0.19 -2.45 | 9.50 0.19 0.00 | 11.77 0.25 0.00 | 8.70 0.17 -0.92 | 7.36 0.12 -1.89 | 12.42 0.25 0.00 | 13.87 0.22 0.00 | 12.63 0.23 0.00 | 9.30 0.15 0.00 | 7.98 0.14 -0.74 | 9.23 0.17 -0.35 | 10.28 0.19 0.00 | 7.98 0.13 -1.99 | 5.71 0.07 -2.59 | 9.08 0.14 -3.35 | 14.05 0.28 -0.27 | 14.52 0.34 0.00 | 19.86 0.41 -2.63 | 22.42 0.38 -6.26 | 24.99 0.53 0.00 | 17.65 0.31 0.00 | 13.55 0.25 0.00 | 8.56 0.15 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 11.81 0.40 0.00 | 8.27 0.08 0.00 | 9.39 0.07 0.00 | 11.64 0.12 0.00 | 7.67 0.06 0.00 | 5.36 0.00 0.00 | 12.04 -0.14 0.00 | 13.55 -0.10 0.00 | 11.94 -0.37 0.09 | 6.37 -0.28 2.50 | 6.87 -0.23 0.00 | 8.47 -0.24 0.00 | 9.78 -0.30 0.00 | 5.67 -0.19 0.00 | 0.85 -0.10 2.11 | -16.79 -0.23 22.15 | -19.75 -0.53 32.71 | -21.90 -0.58 35.50 | -21.61 -0.68 37.74 | -21.19 -0.66 36.31 | 8.92 -0.87 14.67 | -15.39 -0.59 32.13 | 12.72 -0.29 0.29 | 8.28 -0.13 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 12.40 0.64 -0.35 | 10.41 0.49 -1.73 | 9.82 0.50 0.00 | 12.12 0.60 0.00 | 8.67 0.41 -0.65 | 6.97 0.28 -1.34 | 12.81 0.63 0.00 | 14.33 0.68 0.00 | 13.09 0.69 0.00 | 9.64 0.49 0.00 | 4.92 0.42 2.61 | 8.00 0.52 1.22 | 10.70 0.61 0.00 | -0.76 0.40 7.02 | 5.09 0.20 -1.83 | 9.08 0.37 -3.11 | 14.54 0.85 -0.19 | 15.09 0.91 0.00 | 19.75 1.07 -1.86 | 21.29 1.09 -4.42 | 26.04 1.58 0.00 | 18.43 1.09 0.00 | 14.13 0.83 0.00 | 8.93 0.51 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 12.55 0.76 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.21 0.81 0.00 | 9.74 0.59 0.00 | 9.55 0.50 -1.95 | 10.25 0.63 -0.92 | 10.82 0.74 0.00 | 11.60 0.48 -5.26 | 5.29 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.02 0.00 | 20.02 1.17 -2.03 | 21.82 1.21 -4.84 | 26.20 1.74 0.00 | 18.56 1.21 0.00 | 14.25 0.95 0.00 | 9.01 0.59 0.00 |
| W50THST__13_KV_LOAD 356117 | 12.62 0.82 -0.39 | 10.71 0.63 -1.89 | 9.96 0.65 0.00 | 12.29 0.77 0.00 | 8.85 0.53 -0.71 | 7.17 0.36 -1.46 | 12.99 0.81 0.00 | 14.52 0.87 0.00 | 13.29 0.89 0.00 | 9.80 0.65 0.00 | 9.61 0.55 -1.95 | 10.32 0.69 -0.92 | 10.90 0.81 0.00 | 11.64 0.52 -5.26 | 5.31 0.26 -2.00 | 9.17 0.48 -3.10 | 14.77 1.06 -0.21 | 15.28 1.11 0.00 | 20.13 1.28 -2.03 | 21.92 1.31 -4.84 | 26.35 1.89 0.00 | 18.66 1.32 0.00 | 14.33 1.03 0.00 | 9.06 0.64 0.00 |
| WADING RIVER_IC_1 23522 | 12.82 1.03 -0.39 | 10.83 0.76 -1.89 | 10.09 0.78 0.00 | 12.43 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.11 0.93 0.00 | 14.63 0.98 0.00 | 13.37 0.97 0.00 | 9.81 0.65 0.00 | 9.62 0.57 -1.95 | 10.25 0.64 -0.91 | 10.81 0.73 0.00 | 11.64 0.53 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.22 -0.21 | 15.50 1.32 0.00 | 20.46 1.61 -2.03 | 22.13 1.52 -4.84 | 26.65 2.19 0.00 | 18.94 1.60 0.00 | 14.55 1.25 0.00 | 9.23 0.82 0.00 |
| WADING RIVER_IC_2 23547 | 12.82 1.03 -0.39 | 10.83 0.76 -1.89 | 10.09 0.78 0.00 | 12.43 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.11 0.93 0.00 | 14.63 0.98 0.00 | 13.37 0.97 0.00 | 9.81 0.65 0.00 | 9.62 0.57 -1.95 | 10.25 0.64 -0.91 | 10.81 0.73 0.00 | 11.64 0.53 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.22 -0.21 | 15.50 1.32 0.00 | 20.46 1.61 -2.03 | 22.13 1.52 -4.84 | 26.65 2.19 0.00 | 18.94 1.60 0.00 | 14.55 1.25 0.00 | 9.23 0.82 0.00 |
| WADING RIVER_IC_3 23601 | 12.82 1.03 -0.39 | 10.83 0.76 -1.89 | 10.09 0.78 0.00 | 12.43 0.91 0.00 | 8.94 0.62 -0.71 | 7.22 0.41 -1.46 | 13.11 0.93 0.00 | 14.63 0.98 0.00 | 13.37 0.97 0.00 | 9.81 0.65 0.00 | 9.62 0.57 -1.95 | 10.25 0.64 -0.91 | 10.81 0.73 0.00 | 11.64 0.53 -5.25 | 5.37 0.32 -2.00 | 9.25 0.56 -3.10 | 14.93 1.22 -0.21 | 15.50 1.32 0.00 | 20.46 1.61 -2.03 | 22.13 1.52 -4.84 | 26.65 2.19 0.00 | 18.94 1.60 0.00 | 14.55 1.25 0.00 | 9.23 0.82 0.00 |
| WALDENNY_12_KV_BK2 80841 | 11.04 -0.43 -0.06 | 8.11 -0.39 -0.31 | 8.77 -0.55 0.00 | 10.85 -0.66 0.00 | 7.27 -0.45 -0.12 | 5.27 -0.32 -0.24 | 11.55 -0.63 0.00 | 12.99 -0.67 0.00 | 12.02 -0.38 0.00 | 9.03 -0.12 0.00 | 6.97 -0.14 0.00 | 8.54 -0.16 0.00 | 9.88 -0.21 0.00 | 5.61 -0.25 0.00 | 3.26 -0.12 -0.32 | 5.63 -0.28 -0.32 | 12.94 -0.60 -0.03 | 13.53 -0.65 0.00 | 16.29 -0.86 -0.33 | 15.93 -0.63 -0.78 | 18.88 -1.12 4.46 | 12.47 -0.84 4.04 | 11.45 -0.65 1.21 | 8.04 -0.37 0.00 |
| WALDEN__HYDRO 24148 | 12.40 0.64 -0.36 | 10.44 0.48 -1.76 | 9.81 0.50 0.00 | 12.12 0.60 0.00 | 8.68 0.40 -0.66 | 6.99 0.28 -1.36 | 12.80 0.63 0.00 | 14.34 0.69 0.00 | 13.07 0.67 0.00 | 9.61 0.46 0.00 | 6.86 0.38 0.63 | 8.92 0.50 0.29 | 10.66 0.57 0.00 | 4.55 0.37 1.68 | 5.10 0.19 -1.86 | 9.01 0.35 -3.07 | 14.47 0.78 -0.20 | 15.07 0.89 0.00 | 19.81 1.10 -1.89 | 21.40 1.12 -4.51 | 26.08 1.62 0.00 | 18.44 1.09 0.00 | 14.13 0.83 0.00 | 8.93 0.52 0.00 |
| WARRENSBURG____ 23737 | 12.48 0.57 -0.51 | 11.12 0.43 -2.50 | 9.76 0.45 0.00 | 12.04 0.52 0.00 | 8.90 0.35 -0.94 | 7.54 0.25 -1.93 | 12.73 0.55 0.00 | 14.39 0.73 0.00 | 13.11 0.71 0.00 | 9.66 0.50 0.00 | 8.23 0.41 -0.72 | 9.52 0.48 -0.34 | 10.60 0.51 0.00 | 8.09 0.29 -1.94 | 5.85 0.15 -2.64 | 9.29 0.30 -3.40 | 14.55 0.77 -0.28 | 15.07 0.89 0.00 | 20.58 1.08 -2.68 | 23.15 0.99 -6.39 | 25.88 1.42 0.00 | 18.21 0.87 0.00 | 13.94 0.64 0.00 | 8.78 0.37 0.00 |
| WATERSIDE____6 8 9 23538 | 12.57 0.78 -0.39 | 10.67 0.59 -1.89 | 9.92 0.61 0.00 | 12.25 0.73 0.00 | 8.81 0.49 -0.71 | 7.15 0.34 -1.46 | 12.93 0.76 0.00 | 14.45 0.80 0.00 | 13.23 0.83 0.00 | 9.76 0.60 0.00 | 9.56 0.51 -1.95 | 10.26 0.64 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.13 0.44 -3.10 | 14.68 0.97 -0.21 | 15.20 1.03 0.00 | 20.02 1.17 -2.03 | 21.85 1.24 -4.84 | 26.23 1.78 0.00 | 18.58 1.24 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |
| WATKINRD_115KV_LN8_ILLION 55919 | 11.52 0.11 0.00 | 8.26 0.07 0.00 | 9.38 0.06 0.00 | 11.60 0.08 0.00 | 7.67 0.06 0.00 | 5.40 0.04 0.00 | 12.27 0.09 0.00 | 13.75 0.09 0.00 | 12.47 0.07 0.00 | 9.21 0.05 0.00 | 7.15 0.05 0.00 | 8.74 0.04 0.00 | 10.12 0.03 0.00 | 5.88 0.01 0.00 | 3.05 0.00 0.00 | 5.59 0.00 0.00 | 13.52 0.02 0.00 | 14.30 0.13 0.00 | 17.03 0.21 0.00 | 15.98 0.21 0.00 | 24.69 0.24 0.00 | 17.44 0.10 0.00 | 13.37 0.07 0.00 | 8.44 0.03 0.00 |
| WATSON____69_KV_BK 1 55734 | 12.83 1.04 -0.39 | 10.85 0.77 -1.89 | 10.10 0.79 0.00 | 12.44 0.93 0.00 | 8.95 0.63 -0.71 | 7.23 0.42 -1.46 | 13.13 0.95 0.00 | 14.65 0.99 0.00 | 13.39 0.98 0.00 | 9.83 0.68 0.00 | 9.65 0.60 -1.95 | 10.30 0.68 -0.91 | 10.86 0.78 0.00 | 11.67 0.56 -5.25 | 5.38 0.33 -2.00 | 9.26 0.57 -3.10 | 14.96 1.25 -0.21 | 15.52 1.34 0.00 | 20.49 1.64 -2.03 | 22.16 1.55 -4.84 | 26.70 2.25 0.00 | 19.00 1.66 0.00 | 14.59 1.29 0.00 | 9.24 0.83 0.00 |
| WDELAWARE__HYD 323627 | 12.49 0.75 -0.33 | 10.36 0.56 -1.61 | 9.90 0.59 0.00 | 12.23 0.71 0.00 | 8.69 0.48 -0.60 | 6.93 0.33 -1.25 | 12.94 0.76 0.00 | 14.50 0.85 0.00 | 13.22 0.81 0.00 | 9.73 0.58 0.00 | 7.19 0.48 0.40 | 9.13 0.61 0.19 | 10.78 0.69 0.00 | 5.22 0.43 1.07 | 4.97 0.22 -1.70 | 8.10 0.38 -2.12 | 14.61 0.94 -0.18 | 15.25 1.08 0.00 | 19.87 1.32 -1.73 | 21.22 1.32 -4.12 | 26.40 1.94 0.00 | 18.66 1.32 0.00 | 14.29 0.99 0.00 | 9.02 0.61 0.00 |

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| WEST BABYLON___IC 23714 | 12.78 0.98 -0.39 | 10.81 0.73 -1.89 | 10.07 0.75 0.00 | 12.40 0.88 0.00 | 8.92 0.60 -0.71 | 7.21 0.40 -1.46 | 13.08 0.90 0.00 | 14.59 0.94 0.00 | 13.34 0.94 0.00 | 9.80 0.64 0.00 | 9.63 0.58 -1.95 | 10.27 0.66 -0.91 | 10.85 0.76 0.00 | 11.65 0.55 -5.25 | 5.37 0.31 -2.00 | 9.24 0.55 -3.10 | 14.91 1.20 -0.21 | 15.45 1.28 0.00 | 20.39 1.55 -2.03 | 22.08 1.47 -4.84 | 26.59 2.14 0.00 | 18.92 1.58 0.00 | 14.54 1.24 0.00 | 9.21 0.80 0.00 |
| WEST CANADA___HYD 24049 | 11.43 0.02 0.00 | 8.21 0.03 0.00 | 9.33 0.02 0.00 | 11.54 0.02 0.00 | 7.62 0.01 0.00 | 5.36 0.00 0.00 | 12.18 0.00 0.00 | 13.65 0.00 0.00 | 12.41 0.01 0.00 | 9.14 -0.01 0.00 | 7.10 -0.01 0.00 | 8.70 -0.01 0.00 | 10.08 -0.01 0.00 | 5.85 -0.01 0.00 | 3.05 0.00 0.00 | 5.58 -0.01 0.00 | 13.49 -0.02 0.00 | 14.18 0.00 0.00 | 16.83 0.01 0.00 | 15.79 0.02 0.00 | 24.46 0.01 0.00 | 17.34 0.00 0.00 | 13.29 -0.01 0.00 | 8.40 -0.01 0.00 |
| WESTERN_NY_WIND 24143 | 11.18 -0.28 -0.05 | 8.16 -0.29 -0.26 | 8.89 -0.42 0.00 | 11.01 -0.51 0.00 | 7.37 -0.34 -0.10 | 5.32 -0.23 -0.20 | 11.75 -0.43 0.00 | 13.21 -0.45 0.00 | 12.20 -0.20 0.00 | 9.11 -0.04 0.00 | 7.02 -0.08 0.00 | 8.62 -0.09 0.00 | 9.94 -0.14 0.00 | 5.67 -0.19 0.00 | 3.25 -0.08 -0.28 | 5.69 -0.19 -0.29 | 13.19 -0.35 -0.03 | 13.84 -0.33 0.00 | 16.65 -0.45 -0.28 | 16.15 -0.30 -0.67 | 21.28 -0.65 2.53 | 14.55 -0.50 2.29 | 12.20 -0.42 0.68 | 8.15 -0.26 0.00 |
| WESTOVER___LESR 323668 | 11.58 0.05 -0.12 | 8.82 0.04 -0.59 | 9.34 0.03 0.00 | 11.55 0.03 0.00 | 7.86 0.03 -0.22 | 5.82 0.01 -0.46 | 12.23 0.05 0.00 | 13.72 0.07 0.00 | 12.48 0.08 0.00 | 9.24 0.09 0.00 | 7.17 0.07 0.00 | 8.81 0.10 0.00 | 10.19 0.10 0.00 | 5.90 0.04 0.00 | 3.70 0.02 -0.62 | 6.35 0.03 -0.73 | 13.68 0.11 -0.07 | 14.32 0.14 0.00 | 17.57 0.12 -0.64 | 17.53 0.24 -1.51 | 24.77 0.31 0.00 | 17.46 0.12 0.00 | 13.41 0.11 0.00 | 8.48 0.07 0.00 |
| WETHRSFD_WT_PWR 323626 | 10.89 -0.59 -0.07 | 8.09 -0.44 -0.35 | 8.72 -0.59 0.00 | 10.77 -0.75 0.00 | 7.24 -0.49 -0.13 | 5.26 -0.36 -0.27 | 11.42 -0.75 0.00 | 12.82 -0.83 0.00 | 11.80 -0.60 0.00 | 8.82 -0.33 0.00 | 6.81 -0.29 0.00 | 8.33 -0.38 0.00 | 9.60 -0.49 0.00 | 5.47 -0.39 0.00 | 3.23 -0.19 -0.37 | 5.45 -0.39 -0.25 | 12.63 -0.91 -0.04 | 13.25 -0.92 0.00 | 15.99 -1.21 -0.39 | 15.76 -0.89 -0.88 | 9.32 -1.43 13.70 | 3.88 -1.05 12.41 | 8.87 -0.73 3.71 | 8.00 -0.41 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 12.36 0.60 -0.35 | 10.39 0.46 -1.74 | 9.79 0.48 0.00 | 12.08 0.56 0.00 | 8.64 0.38 -0.65 | 6.95 0.26 -1.34 | 12.77 0.59 0.00 | 14.29 0.63 0.00 | 13.04 0.64 0.00 | 9.61 0.46 0.00 | 4.87 0.39 2.62 | 7.96 0.49 1.23 | 10.66 0.57 0.00 | -0.82 0.38 7.06 | 5.08 0.19 -1.83 | 9.05 0.35 -3.11 | 14.49 0.79 -0.19 | 15.03 0.85 0.00 | 19.68 1.00 -1.86 | 21.23 1.02 -4.44 | 25.93 1.48 0.00 | 18.36 1.02 0.00 | 14.07 0.77 0.00 | 8.89 0.48 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 12.36 0.60 -0.35 | 10.39 0.46 -1.74 | 9.79 0.48 0.00 | 12.08 0.56 0.00 | 8.64 0.38 -0.65 | 6.95 0.26 -1.34 | 12.77 0.59 0.00 | 14.29 0.63 0.00 | 13.04 0.64 0.00 | 9.61 0.46 0.00 | 4.87 0.39 2.62 | 7.96 0.49 1.23 | 10.66 0.57 0.00 | -0.82 0.38 7.06 | 5.08 0.19 -1.83 | 9.05 0.35 -3.11 | 14.49 0.79 -0.19 | 15.03 0.85 0.00 | 19.68 1.00 -1.86 | 21.23 1.02 -4.44 | 25.93 1.48 0.00 | 18.36 1.02 0.00 | 14.07 0.77 0.00 | 8.89 0.48 0.00 |
| WHITEHAL_115KV_TB1 80871 | 12.76 0.85 -0.51 | 11.36 0.67 -2.50 | 9.98 0.67 0.00 | 12.26 0.74 0.00 | 9.04 0.49 -0.94 | 7.64 0.36 -1.93 | 12.92 0.74 0.00 | 14.73 1.07 0.00 | 13.41 1.01 0.00 | 9.82 0.67 0.00 | 8.33 0.51 -0.72 | 9.66 0.61 -0.34 | 10.73 0.65 0.00 | 8.19 0.39 -1.94 | 5.90 0.22 -2.64 | 9.42 0.43 -3.40 | 14.95 1.17 -0.28 | 15.54 1.37 0.00 | 21.06 1.56 -2.68 | 23.50 1.35 -6.38 | 26.40 1.94 0.00 | 18.41 1.07 0.00 | 14.13 0.83 0.00 | 8.85 0.44 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 12.54 0.75 -0.38 | 10.64 0.57 -1.88 | 9.90 0.59 0.00 | 12.22 0.70 0.00 | 8.79 0.47 -0.70 | 7.13 0.33 -1.45 | 12.91 0.73 0.00 | 14.44 0.79 0.00 | 13.20 0.80 0.00 | 9.73 0.58 0.00 | 9.60 0.49 -2.01 | 10.26 0.61 -0.94 | 10.80 0.72 0.00 | 11.73 0.47 -5.40 | 5.27 0.24 -1.98 | 9.13 0.44 -3.10 | 14.69 0.98 -0.21 | 15.22 1.05 0.00 | 20.06 1.23 -2.02 | 21.82 1.25 -4.80 | 26.26 1.81 0.00 | 18.58 1.24 0.00 | 14.25 0.96 0.00 | 9.01 0.60 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 12.81 1.02 -0.39 | 10.83 0.75 -1.89 | 10.09 0.77 0.00 | 12.42 0.90 0.00 | 8.93 0.61 -0.71 | 7.22 0.41 -1.46 | 13.10 0.92 0.00 | 14.62 0.96 0.00 | 13.35 0.95 0.00 | 9.79 0.63 0.00 | 9.60 0.56 -1.95 | 10.23 0.62 -0.91 | 10.80 0.71 0.00 | 11.63 0.52 -5.25 | 5.37 0.31 -2.00 | 9.24 0.55 -3.10 | 14.91 1.20 -0.21 | 15.47 1.30 0.00 | 20.43 1.59 -2.03 | 22.11 1.50 -4.84 | 26.61 2.15 0.00 | 18.92 1.58 0.00 | 14.55 1.25 0.00 | 9.22 0.81 0.00 |
| WOODARD___115KV_TB2 355635 | 11.33 -0.11 -0.03 | 8.27 -0.08 -0.17 | 9.19 -0.12 0.00 | 11.37 -0.15 0.00 | 7.57 -0.10 -0.06 | 5.41 -0.07 -0.13 | 12.03 -0.15 0.00 | 13.49 -0.16 0.00 | 12.28 -0.12 0.00 | 9.08 -0.07 0.00 | 7.05 -0.06 0.00 | 8.64 -0.06 0.00 | 10.00 -0.08 0.00 | 5.80 -0.06 0.00 | 3.20 -0.03 -0.18 | 5.74 -0.05 -0.21 | 13.42 -0.10 -0.02 | 14.10 -0.07 0.00 | 16.92 -0.08 -0.18 | 16.17 -0.04 -0.43 | 24.35 -0.11 0.00 | 17.21 -0.13 0.00 | 13.19 -0.11 0.00 | 8.33 -0.08 0.00 |
| YORK___WARBASSE 23770 | 12.57 0.78 -0.39 | 10.66 0.58 -1.89 | 9.91 0.60 0.00 | 12.23 0.71 0.00 | 8.80 0.48 -0.71 | 7.14 0.33 -1.46 | 12.92 0.74 0.00 | 14.44 0.79 0.00 | 13.22 0.81 0.00 | 9.75 0.59 0.00 | 9.56 0.51 -1.95 | 10.25 0.63 -0.92 | 10.83 0.75 0.00 | 11.61 0.49 -5.26 | 5.30 0.24 -2.00 | 9.14 0.45 -3.10 | 14.70 0.99 -0.21 | 15.23 1.05 0.00 | 20.05 1.21 -2.03 | 21.87 1.26 -4.84 | 26.25 1.80 0.00 | 18.60 1.26 0.00 | 14.27 0.97 0.00 | 9.02 0.61 0.00 |