

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

03/05/2024

| 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 | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST | EST |
| 59TH STREET_GT_1 | 15.31 | 14.05 | 14.11 | 14.60 | 16.11 | 17.24 | 23.46 | 24.46 | 27.84 | 27.39 | 26.96 | 32.14 | 30.27 | 28.12 | 27.42 | 30.72 | 34.72 | 32.14 | 34.93 | 31.59 | 30.34 | 31.87 | 32.32 | 25.86 |
| 24138 | 0.89 | 0.78 | 0.77 | 0.78 | 0.83 | 0.84 | 1.16 | 1.41 | 1.69 | 1.75 | 1.62 | 1.89 | 1.85 | 1.84 | 1.74 | 1.87 | 2.03 | 2.24 | 2.32 | 2.02 | 1.74 | 1.39 | 1.21 | 1.01 |
| | 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 |
| 74TH STREET_GT_1 | 15.31 | 14.05 | 14.11 | 14.60 | 16.12 | 17.26 | 23.46 | 24.46 | 27.82 | 27.37 | 26.94 | 32.10 | 30.23 | 28.09 | 27.40 | 30.70 | 34.69 | 32.12 | 34.93 | 31.60 | 30.36 | 31.91 | 32.36 | 25.90 |
| 24260 | 0.89 | 0.78 | 0.77 | 0.78 | 0.83 | 0.86 | 1.16 | 1.41 | 1.68 | 1.72 | 1.59 | 1.85 | 1.81 | 1.81 | 1.71 | 1.85 | 2.01 | 2.22 | 2.31 | 2.03 | 1.75 | 1.43 | 1.25 | 1.05 |
| | 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 |
| 74TH STREET_GT_2 | 15.31 | 14.05 | 14.11 | 14.60 | 16.12 | 17.26 | 23.46 | 24.46 | 27.82 | 27.37 | 26.94 | 32.10 | 30.23 | 28.09 | 27.40 | 30.70 | 34.69 | 32.12 | 34.93 | 31.60 | 30.36 | 31.91 | 32.36 | 25.90 |
| 24261 | 0.89 | 0.78 | 0.77 | 0.78 | 0.83 | 0.86 | 1.16 | 1.41 | 1.68 | 1.72 | 1.59 | 1.85 | 1.81 | 1.81 | 1.71 | 1.85 | 2.01 | 2.22 | 2.31 | 2.03 | 1.75 | 1.43 | 1.25 | 1.05 |
| | 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 |
| ADK HUDSON___FALLS | 15.05 | 13.84 | 13.93 | 14.44 | 15.97 | 17.19 | 23.26 | 23.97 | 27.29 | 26.86 | 26.31 | 31.57 | 29.77 | 27.61 | 26.99 | 30.27 | 34.49 | 31.79 | 34.56 | 31.21 | 30.07 | 31.91 | 32.25 | 25.83 |
| 24011 | 0.64 | 0.58 | 0.59 | 0.62 | 0.69 | 0.79 | 0.96 | 0.93 | 1.14 | 1.21 | 0.97 | 1.32 | 1.35 | 1.33 | 1.31 | 1.42 | 1.80 | 1.90 | 1.94 | 1.64 | 1.46 | 1.44 | 1.14 | 0.98 |
| | 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 |
| ADK RESOURCE___RCVRY | 15.14 | 13.91 | 13.99 | 14.51 | 16.05 | 17.30 | 23.40 | 24.08 | 27.41 | 26.99 | 26.42 | 31.69 | 29.90 | 27.72 | 27.10 | 30.39 | 34.64 | 32.02 | 34.76 | 31.36 | 30.20 | 32.09 | 32.38 | 25.94 |
| 23798 | 0.73 | 0.64 | 0.65 | 0.69 | 0.77 | 0.90 | 1.10 | 1.04 | 1.27 | 1.35 | 1.08 | 1.44 | 1.48 | 1.44 | 1.41 | 1.54 | 1.96 | 2.12 | 2.14 | 1.79 | 1.60 | 1.62 | 1.27 | 1.09 |
| | 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 |
| ADK S GLENS___FALLS | 15.05 | 13.84 | 13.93 | 14.44 | 15.97 | 17.19 | 23.26 | 23.97 | 27.29 | 26.86 | 26.31 | 31.57 | 29.77 | 27.61 | 26.99 | 30.27 | 34.49 | 31.79 | 34.56 | 31.21 | 30.07 | 31.91 | 32.25 | 25.83 |
| 24028 | 0.64 | 0.58 | 0.59 | 0.62 | 0.69 | 0.79 | 0.96 | 0.93 | 1.14 | 1.21 | 0.97 | 1.32 | 1.35 | 1.33 | 1.31 | 1.42 | 1.80 | 1.90 | 1.94 | 1.64 | 1.46 | 1.44 | 1.14 | 0.98 |
| | 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 |
| ADK_NYS___DAM | 15.09 | 14.02 | 14.09 | 14.61 | 16.12 | 17.27 | 23.13 | 23.82 | 27.11 | 26.70 | 26.07 | 31.03 | 29.22 | 26.98 | 26.38 | 29.66 | 33.68 | 30.72 | 33.34 | 30.17 | 29.11 | 31.05 | 31.46 | 25.27 |
| 23527 | 0.68 | 0.75 | 0.75 | 0.79 | 0.83 | 0.87 | 0.83 | 0.78 | 0.96 | 1.05 | 0.73 | 0.78 | 0.80 | 0.70 | 0.70 | 0.80 | 1.00 | 0.83 | 0.72 | 0.60 | 0.51 | 0.57 | 0.35 | 0.42 |
| | 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 |
| AIR_PRODUCTS___DRP | 14.96 | 13.82 | 13.89 | 14.39 | 15.89 | 17.04 | 23.01 | 23.80 | 27.06 | 26.60 | 26.12 | 31.14 | 29.32 | 27.11 | 26.50 | 29.77 | 33.73 | 30.98 | 33.70 | 30.48 | 29.39 | 31.15 | 31.65 | 25.38 |
| 24190 | 0.55 | 0.55 | 0.55 | 0.57 | 0.60 | 0.64 | 0.71 | 0.75 | 0.92 | 0.96 | 0.78 | 0.89 | 0.90 | 0.83 | 0.82 | 0.92 | 1.05 | 1.08 | 1.08 | 0.91 | 0.79 | 0.68 | 0.54 | 0.52 |
| | 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 |
| AKWESSNE_115KV_BK | 14.14 | 11.84 | 10.30 | 13.41 | 14.99 | 16.17 | 22.13 | 22.83 | 25.90 | 25.44 | 25.26 | 30.17 | 28.27 | 26.07 | 25.46 | 28.63 | 32.41 | 29.39 | 32.08 | 29.26 | 28.45 | 30.57 | 31.28 | 24.88 |
| 355683 | -0.27 | -0.28 | -0.26 | -0.27 | -0.29 | -0.23 | -0.17 | -0.21 | -0.25 | -0.21 | -0.08 | -0.08 | -0.14 | -0.21 | -0.22 | -0.22 | -0.27 | -0.51 | -0.53 | -0.32 | -0.15 | 0.09 | 0.18 | 0.03 |
| | 0.00 | 1.15 | 2.78 | 0.13 | 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_SOLAR | 15.00 | 13.87 | 13.94 | 14.45 | 15.97 | 17.13 | 23.16 | 23.93 | 27.19 | 26.72 | 26.26 | 31.30 | 29.45 | 27.24 | 26.62 | 29.92 | 33.92 | 31.14 | 33.89 | 30.64 | 29.55 | 31.35 | 31.87 | 25.53 |
| 323833 | 0.59 | 0.60 | 0.60 | 0.63 | 0.69 | 0.73 | 0.86 | 0.89 | 1.05 | 1.07 | 0.92 | 1.05 | 1.03 | 0.96 | 0.94 | 1.06 | 1.24 | 1.24 | 1.27 | 1.07 | 0.95 | 0.88 | 0.76 | 0.68 |
| | 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_2_SOLAR | 15.00 | 13.86 | 13.93 | 14.45 | 15.97 | 17.13 | 23.15 | 23.93 | 27.19 | 26.71 | 26.25 | 31.30 | 29.44 | 27.23 | 26.62 | 29.91 | 33.91 | 31.13 | 33.87 | 30.63 | 29.55 | 31.34 | 31.86 | 25.53 |
| 323834 | 0.59 | 0.60 | 0.60 | 0.63 | 0.68 | 0.73 | 0.85 | 0.88 | 1.05 | 1.06 | 0.91 | 1.05 | 1.02 | 0.95 | 0.93 | 1.06 | 1.23 | 1.23 | 1.25 | 1.06 | 0.95 | 0.86 | 0.75 | 0.67 |
| | 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 | 14.96 | 13.82 | 13.89 | 14.39 | 15.89 | 17.04 | 23.01 | 23.80 | 27.06 | 26.60 | 26.12 | 31.14 | 29.32 | 27.11 | 26.50 | 29.77 | 33.73 | 30.98 | 33.70 | 30.48 | 29.39 | 31.15 | 31.65 | 25.38 |
| 23571 | 0.55 | 0.55 | 0.55 | 0.57 | 0.60 | 0.64 | 0.71 | 0.75 | 0.92 | 0.96 | 0.78 | 0.89 | 0.90 | 0.83 | 0.82 | 0.92 | 1.05 | 1.08 | 1.08 | 0.91 | 0.79 | 0.68 | 0.54 | 0.52 |
| | 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 |

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|-------------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|
| ALBANY___2 23572 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.60 0.00 | 17.04 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.60 0.96 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.32 0.90 0.00 | 27.11 0.83 0.00 | 26.50 0.82 0.00 | 29.77 0.92 0.00 | 33.73 1.05 0.00 | 30.98 1.08 0.00 | 33.70 1.08 0.00 | 30.48 0.91 0.00 | 29.39 0.79 0.00 | 31.15 0.68 0.00 | 31.65 0.54 0.00 | 25.38 0.52 0.00 |
| ALBANY___3 23573 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.60 0.00 | 17.04 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.60 0.96 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.32 0.90 0.00 | 27.11 0.83 0.00 | 26.50 0.82 0.00 | 29.77 0.92 0.00 | 33.73 1.05 0.00 | 30.98 1.08 0.00 | 33.70 1.08 0.00 | 30.48 0.91 0.00 | 29.39 0.79 0.00 | 31.15 0.68 0.00 | 31.65 0.54 0.00 | 25.38 0.52 0.00 |
| ALBANY___4 23574 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.60 0.00 | 17.04 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.60 0.96 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.32 0.90 0.00 | 27.11 0.83 0.00 | 26.50 0.82 0.00 | 29.77 0.92 0.00 | 33.73 1.05 0.00 | 30.98 1.08 0.00 | 33.70 1.08 0.00 | 30.48 0.91 0.00 | 29.39 0.79 0.00 | 31.15 0.68 0.00 | 31.65 0.54 0.00 | 25.38 0.52 0.00 |
| ALBANY___LFGE 323615 | 15.03 0.62 0.00 | 13.89 0.62 0.00 | 13.96 0.62 0.00 | 14.46 0.64 0.00 | 15.97 0.69 0.00 | 17.14 0.73 0.00 | 23.13 0.84 0.00 | 23.93 0.89 0.00 | 27.22 1.08 0.00 | 26.77 1.13 0.00 | 26.28 0.94 0.00 | 31.34 1.08 0.00 | 29.52 1.10 0.00 | 27.30 1.01 0.00 | 26.68 0.99 0.00 | 29.97 1.12 0.00 | 33.97 1.29 0.00 | 31.18 1.29 0.00 | 33.92 1.30 0.00 | 30.67 1.10 0.00 | 29.56 0.96 0.00 | 31.33 0.86 0.00 | 31.82 0.71 0.00 | 25.49 0.64 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 14.58 -0.22 -0.39 | 12.80 -0.23 0.24 | 11.27 -0.21 1.86 | 14.23 -0.22 -0.63 | 15.37 -0.23 -0.32 | 16.24 -0.16 0.00 | 22.24 -0.06 0.00 | 22.94 -0.10 0.00 | 26.00 -0.15 0.00 | 25.56 -0.09 0.00 | 25.37 0.03 0.00 | 30.30 0.05 0.00 | 28.41 0.00 0.00 | 26.19 -0.09 0.00 | 25.57 -0.11 0.00 | 28.76 -0.10 0.00 | 32.52 -0.17 0.00 | 29.47 -0.42 0.00 | 32.18 -0.43 0.00 | 29.39 -0.18 0.00 | 28.60 -0.01 0.00 | 30.73 0.26 0.00 | 31.47 0.36 0.00 | 25.02 0.16 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 14.58 -0.22 -0.39 | 12.80 -0.23 0.24 | 11.27 -0.21 1.86 | 14.23 -0.22 -0.63 | 15.37 -0.23 -0.32 | 16.24 -0.16 0.00 | 22.24 -0.06 0.00 | 22.94 -0.10 0.00 | 26.00 -0.15 0.00 | 25.56 -0.09 0.00 | 25.37 0.03 0.00 | 30.30 0.05 0.00 | 28.41 0.00 0.00 | 26.19 -0.09 0.00 | 25.57 -0.11 0.00 | 28.76 -0.10 0.00 | 32.52 -0.17 0.00 | 29.47 -0.42 0.00 | 32.18 -0.43 0.00 | 29.39 -0.18 0.00 | 28.60 -0.01 0.00 | 30.73 0.26 0.00 | 31.47 0.36 0.00 | 25.02 0.16 0.00 |
| ALCOA___DSASP 323711 | 14.58 -0.21 -0.39 | 12.80 -0.23 0.24 | 11.27 -0.21 1.86 | 14.23 -0.22 -0.63 | 15.37 -0.23 -0.32 | 16.24 -0.16 0.00 | 22.24 -0.06 0.00 | 22.94 -0.10 0.00 | 26.00 -0.15 0.00 | 25.56 -0.09 0.00 | 25.37 0.03 0.00 | 30.30 0.05 0.00 | 28.41 0.00 0.00 | 26.19 -0.09 0.00 | 25.57 -0.11 0.00 | 28.76 -0.10 0.00 | 32.52 -0.17 0.00 | 29.47 -0.42 0.00 | 32.18 -0.43 0.00 | 29.39 -0.18 0.00 | 28.60 -0.01 0.00 | 30.73 0.26 0.00 | 31.47 0.36 0.00 | 25.02 0.17 0.00 |
| ALLEGHENY___COGEN 23514 | 11.84 -0.38 2.19 | 12.71 -0.35 0.21 | 13.03 -0.40 -0.09 | 13.68 -0.25 -0.10 | 15.36 -0.06 -0.14 | 16.38 -0.12 -0.09 | 22.44 -0.05 -0.20 | 23.44 0.06 -0.33 | 26.78 -0.34 -0.98 | 25.73 -0.63 -0.71 | 25.43 -0.58 -0.67 | 29.89 -0.63 -0.27 | 28.20 -0.45 -0.23 | 26.17 -0.36 -0.25 | 25.94 -0.28 -0.54 | 29.23 -0.30 -0.68 | 32.86 -0.18 -0.35 | 30.16 -0.05 -0.31 | 33.51 0.52 -0.38 | 30.13 0.24 -0.32 | 29.40 0.33 -0.46 | 31.28 0.24 -0.56 | 33.04 0.24 -1.69 | 27.34 0.43 -2.06 |
| ALTAMONT_115KV_TB 2 55880 | 14.85 0.44 0.00 | 13.70 0.43 0.00 | 13.77 0.44 0.00 | 14.27 0.45 0.00 | 15.76 0.47 0.00 | 16.90 0.50 0.00 | 22.86 0.57 0.00 | 23.66 0.62 0.00 | 26.88 0.73 0.00 | 26.42 0.77 0.00 | 25.98 0.64 0.00 | 30.98 0.72 0.00 | 29.15 0.73 0.00 | 26.97 0.69 0.00 | 26.36 0.67 0.00 | 29.60 0.75 0.00 | 33.53 0.85 0.00 | 30.81 0.91 0.00 | 33.54 0.92 0.00 | 30.35 0.77 0.00 | 29.27 0.67 0.00 | 31.03 0.55 0.00 | 31.56 0.45 0.00 | 25.28 0.43 0.00 |
| ALTONA_WT_PWR 323606 | -0.71 -0.78 14.34 | -21.32 -0.70 33.89 | -21.09 -0.69 33.74 | -15.44 -0.74 28.52 | 2.61 -0.81 11.87 | 15.74 -0.66 0.00 | 21.53 -0.77 0.00 | 22.23 -0.82 0.00 | 25.50 -0.65 0.00 | 25.49 -0.16 0.00 | 25.36 0.02 0.00 | 30.31 0.05 0.00 | 28.58 0.16 0.00 | 26.32 0.04 0.00 | 25.69 0.00 0.00 | 28.87 0.02 0.00 | 32.67 -0.01 0.00 | 29.05 -0.85 0.00 | 31.85 -0.76 0.00 | 29.40 -0.18 0.00 | 28.74 0.14 0.00 | 31.37 0.89 0.00 | 32.07 0.96 0.00 | 25.45 0.60 0.00 |
| AMERICAN_REF_FUEL 24010 | 11.60 -1.44 1.37 | 10.76 -1.30 1.21 | 11.10 -1.39 0.85 | 11.51 -1.27 1.04 | 12.63 -1.22 1.43 | 14.11 -1.37 0.93 | 18.24 -2.08 1.98 | 17.93 -2.45 2.66 | 17.14 -2.82 6.18 | 18.47 -2.64 4.53 | 18.37 -2.69 4.27 | 25.30 -3.24 1.72 | 24.10 -2.84 1.47 | 22.09 -2.61 1.58 | 19.88 -2.38 3.44 | 21.87 -2.67 4.31 | 27.53 -2.90 2.26 | 24.70 -3.17 2.03 | 26.83 -3.34 2.45 | 24.30 -3.21 2.06 | 22.93 -2.72 2.95 | 23.90 -2.94 3.64 | 17.54 -2.67 10.91 | 10.08 -1.45 13.32 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 11.41 -1.28 1.72 | 10.55 -1.22 1.49 | 11.18 -1.12 1.04 | 11.51 -1.04 1.28 | 12.47 -1.06 1.75 | 14.17 -1.10 1.14 | 18.35 -1.52 2.42 | 17.96 -1.82 3.26 | 16.30 -2.27 7.58 | 18.09 -2.00 5.55 | 18.36 -1.75 5.24 | 26.44 -1.71 2.10 | 25.47 -1.14 1.80 | 23.32 -1.02 1.94 | 20.59 -0.88 4.21 | 22.55 -1.02 5.29 | 28.99 -0.93 2.77 | 25.90 -1.50 2.49 | 27.77 -1.84 3.00 | 25.11 -1.95 2.52 | 23.89 -1.09 3.62 | 24.92 -1.09 4.46 | 16.64 -1.10 13.37 | 8.10 -0.42 16.32 |
| ARTHUR KILL_GT_1 23520 | 15.26 0.85 0.00 | 13.99 0.72 0.00 | 14.07 0.73 0.00 | 14.56 0.75 0.00 | 16.08 0.80 0.00 | 17.22 0.82 0.00 | 23.36 1.07 0.00 | 22.36 1.29 1.97 | 20.45 1.54 7.23 | 26.74 1.57 0.47 | 23.52 1.50 3.32 | 32.00 1.76 0.00 | 30.23 1.81 0.00 | 28.11 1.83 0.00 | 27.38 1.70 0.00 | 30.68 1.83 0.00 | 34.30 1.88 0.27 | 32.04 2.14 0.00 | 34.41 2.07 0.28 | 31.60 2.03 0.00 | 30.34 1.74 0.00 | 31.79 1.31 0.00 | 32.27 1.17 0.00 | 25.90 1.05 0.00 |
| ARTHUR_KILL_2 23512 | 15.23 0.82 0.00 | 13.95 0.68 0.00 | 14.03 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.76 0.00 | 17.17 0.77 0.00 | 23.29 1.00 0.00 | 22.29 1.22 1.97 | 20.38 1.46 7.23 | 26.67 1.49 0.47 | 23.45 1.43 3.32 | 31.91 1.67 0.00 | 30.14 1.72 0.00 | 28.02 1.74 0.00 | 27.30 1.62 0.00 | 30.58 1.73 0.00 | 34.18 1.76 0.27 | 31.94 2.05 0.00 | 34.30 1.97 0.28 | 31.50 1.93 0.00 | 30.24 1.64 0.00 | 31.69 1.22 0.00 | 32.18 1.07 0.00 | 25.82 0.97 0.00 |
| ARTHUR_KILL_3 23513 | 15.16 0.75 0.00 | 13.90 0.63 0.00 | 13.96 0.62 0.00 | 14.45 0.63 0.00 | 15.95 0.66 0.00 | 17.06 0.66 0.00 | 23.16 0.87 0.01 | 22.18 1.10 1.97 | 20.24 1.32 7.23 | 26.54 1.36 0.46 | 23.26 1.24 3.31 | 31.66 1.41 0.00 | 29.81 1.39 0.00 | 27.70 1.42 0.00 | 27.02 1.34 0.00 | 30.27 1.42 0.00 | 34.17 1.53 0.04 | 31.69 1.80 0.00 | 34.43 1.85 0.04 | 31.18 1.61 0.00 | 29.96 1.35 0.00 | 31.50 1.02 0.00 | 31.96 0.85 0.00 | 25.60 0.75 0.00 |

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| ARTHUR_KILL_COGEN 323718 | 15.26 0.85 0.00 | 13.99 0.72 0.00 | 14.07 0.73 0.00 | 14.56 0.75 0.00 | 16.08 0.80 0.00 | 17.22 0.82 0.00 | 23.36 1.07 0.00 | 22.36 1.29 1.97 | 20.45 1.54 7.23 | 26.74 1.57 0.47 | 23.52 1.50 3.32 | 32.00 1.76 0.00 | 30.23 1.81 0.00 | 28.11 1.83 0.00 | 27.38 1.70 0.00 | 30.68 1.83 0.00 | 34.30 1.88 0.27 | 32.04 2.14 0.00 | 34.41 2.07 0.28 | 31.60 2.03 0.00 | 30.34 1.74 0.00 | 31.79 1.31 0.00 | 32.27 1.17 0.00 | 25.90 1.05 0.00 |
| ASHOKAN____ 23654 | 15.25 0.84 0.00 | 14.07 0.80 0.00 | 14.14 0.80 0.00 | 14.67 0.84 0.00 | 16.21 0.93 0.00 | 17.41 1.00 0.00 | 23.62 1.32 0.00 | 24.52 1.48 0.00 | 27.91 1.76 0.00 | 27.43 1.79 0.00 | 26.96 1.63 0.00 | 32.13 1.88 0.00 | 30.20 1.78 0.00 | 27.96 1.68 0.00 | 27.29 1.60 0.00 | 30.70 1.85 0.00 | 34.84 2.16 0.00 | 32.11 2.21 0.00 | 35.00 2.38 0.00 | 31.59 2.02 0.00 | 30.40 1.79 0.00 | 32.11 1.63 0.00 | 32.52 1.41 0.00 | 25.98 1.13 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 15.20 0.79 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.66 0.00 | 15.98 0.70 0.00 | 17.09 0.69 0.00 | 23.26 0.96 0.00 | 24.24 1.20 0.00 | 27.57 1.42 0.00 | 27.12 1.47 0.00 | 26.70 1.36 0.00 | 31.78 1.53 0.00 | 29.92 1.50 0.00 | 27.81 1.53 0.00 | 27.12 1.44 0.00 | 30.38 1.53 0.00 | 34.29 1.60 0.00 | 31.77 1.88 0.00 | 34.56 1.95 0.00 | 31.29 1.71 0.00 | 30.09 1.49 0.00 | 31.58 1.11 0.00 | 32.06 0.95 0.00 | 25.68 0.83 0.00 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 15.20 0.79 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.66 0.00 | 15.98 0.70 0.00 | 17.09 0.69 0.00 | 23.26 0.96 0.00 | 24.24 1.20 0.00 | 27.57 1.42 0.00 | 27.12 1.47 0.00 | 26.70 1.36 0.00 | 31.78 1.53 0.00 | 29.92 1.50 0.00 | 27.81 1.53 0.00 | 27.12 1.44 0.00 | 30.38 1.53 0.00 | 34.29 1.60 0.00 | 31.77 1.88 0.00 | 34.56 1.95 0.00 | 31.29 1.71 0.00 | 30.09 1.49 0.00 | 31.58 1.11 0.00 | 32.06 0.95 0.00 | 25.68 0.83 0.00 |
| ASTORIA_GT2_1 24094 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT2_2 24095 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT2_3 24096 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT2_4 24097 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT3_1 24098 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT3_2 24099 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT3_3 24100 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT3_4 24101 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT4_1 24102 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT4_2 24103 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT4_3 24104 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |

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| ASTORIA_GT4_4 24105 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.70 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.13 1.45 0.00 | 30.39 1.54 0.00 | 34.30 1.62 0.00 | 31.80 1.90 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.11 1.50 0.00 | 31.60 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA_GT_1 23523 | 15.23 0.82 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.01 0.72 0.00 | 17.12 0.72 0.00 | 23.31 1.01 0.00 | 24.30 1.26 0.00 | 27.63 1.49 0.00 | 27.19 1.54 0.00 | 26.76 1.43 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.89 1.61 0.00 | 27.19 1.51 0.00 | 30.46 1.61 0.00 | 34.38 1.70 0.00 | 31.86 1.97 0.00 | 34.66 2.04 0.00 | 31.37 1.80 0.00 | 30.17 1.56 0.00 | 31.66 1.19 0.00 | 32.13 1.02 0.00 | 25.73 0.88 0.00 |
| ASTORIA_GT_10 24110 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.63 0.00 | 27.23 1.55 0.00 | 30.51 1.66 0.00 | 34.46 1.78 0.00 | 31.92 2.03 0.00 | 34.71 2.09 0.00 | 31.42 1.84 0.00 | 30.17 1.57 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| ASTORIA_GT_11 24225 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.63 0.00 | 27.23 1.55 0.00 | 30.51 1.66 0.00 | 34.46 1.78 0.00 | 31.92 2.03 0.00 | 34.71 2.09 0.00 | 31.42 1.84 0.00 | 30.17 1.57 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| ASTORIA_GT_12 24226 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.63 0.00 | 27.23 1.55 0.00 | 30.51 1.66 0.00 | 34.46 1.78 0.00 | 31.92 2.03 0.00 | 34.71 2.09 0.00 | 31.42 1.84 0.00 | 30.17 1.57 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| ASTORIA_GT_13 24227 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.63 0.00 | 27.23 1.55 0.00 | 30.51 1.66 0.00 | 34.46 1.78 0.00 | 31.92 2.03 0.00 | 34.71 2.09 0.00 | 31.42 1.84 0.00 | 30.17 1.57 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| ASTORIA_GT_5 24106 | 15.23 0.82 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.01 0.73 0.00 | 17.12 0.72 0.00 | 23.31 1.01 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.19 1.54 0.00 | 26.77 1.43 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.89 1.61 0.00 | 27.19 1.50 0.00 | 30.46 1.61 0.00 | 34.37 1.69 0.00 | 31.87 1.97 0.00 | 34.65 2.04 0.00 | 31.37 1.80 0.00 | 30.17 1.56 0.00 | 31.66 1.19 0.00 | 32.13 1.02 0.00 | 25.73 0.88 0.00 |
| ASTORIA_GT_7 24107 | 15.23 0.82 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.01 0.73 0.00 | 17.12 0.72 0.00 | 23.31 1.01 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.19 1.54 0.00 | 26.77 1.43 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.89 1.61 0.00 | 27.19 1.50 0.00 | 30.46 1.61 0.00 | 34.37 1.69 0.00 | 31.87 1.97 0.00 | 34.65 2.04 0.00 | 31.37 1.80 0.00 | 30.17 1.56 0.00 | 31.66 1.19 0.00 | 32.13 1.02 0.00 | 25.73 0.88 0.00 |
| ASTORIA_GT_8 24108 | 15.23 0.82 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.01 0.73 0.00 | 17.12 0.72 0.00 | 23.31 1.01 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.19 1.54 0.00 | 26.77 1.43 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.89 1.61 0.00 | 27.19 1.50 0.00 | 30.46 1.61 0.00 | 34.37 1.69 0.00 | 31.87 1.97 0.00 | 34.65 2.04 0.00 | 31.37 1.80 0.00 | 30.17 1.56 0.00 | 31.66 1.19 0.00 | 32.13 1.02 0.00 | 25.73 0.88 0.00 |
| ASTORIA___2 24149 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.50 0.67 0.00 | 15.99 0.70 0.00 | 17.10 0.69 0.00 | 23.27 0.97 0.00 | 24.26 1.21 0.00 | 27.58 1.44 0.00 | 27.13 1.49 0.00 | 26.71 1.37 0.00 | 31.79 1.54 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.14 1.45 0.00 | 30.39 1.54 0.00 | 34.31 1.63 0.00 | 31.79 1.89 0.00 | 34.58 1.97 0.00 | 31.30 1.73 0.00 | 30.11 1.51 0.00 | 31.61 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| ASTORIA___3 23516 | 15.24 0.83 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.74 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.64 0.00 | 27.24 1.55 0.00 | 30.51 1.66 0.00 | 34.47 1.79 0.00 | 31.92 2.02 0.00 | 34.71 2.10 0.00 | 31.41 1.84 0.00 | 30.18 1.57 0.00 | 31.70 1.23 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| ASTORIA___4 23517 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.63 0.00 | 27.23 1.55 0.00 | 30.51 1.66 0.00 | 34.46 1.78 0.00 | 31.92 2.03 0.00 | 34.71 2.09 0.00 | 31.42 1.84 0.00 | 30.17 1.57 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| ASTORIA___5 23518 | 15.24 0.83 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.74 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.64 0.00 | 27.24 1.55 0.00 | 30.51 1.66 0.00 | 34.47 1.79 0.00 | 31.92 2.02 0.00 | 34.71 2.10 0.00 | 31.41 1.84 0.00 | 30.18 1.57 0.00 | 31.70 1.23 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| AST_ENERGY_2_CC3 323677 | 15.21 0.80 0.00 | 13.97 0.70 0.00 | 14.02 0.69 0.00 | 14.52 0.70 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.26 0.96 0.00 | 24.25 1.21 0.00 | 27.58 1.43 0.00 | 27.12 1.47 0.00 | 26.68 1.35 0.00 | 31.80 1.55 0.00 | 29.95 1.53 0.00 | 27.83 1.55 0.00 | 27.15 1.46 0.00 | 30.42 1.57 0.00 | 34.37 1.69 0.00 | 31.82 1.93 0.00 | 34.61 2.00 0.00 | 31.31 1.74 0.00 | 30.09 1.49 0.00 | 31.62 1.15 0.00 | 32.08 0.97 0.00 | 25.68 0.83 0.00 |
| AST_ENERGY_2_CC4 323678 | 15.21 0.80 0.00 | 13.97 0.70 0.00 | 14.02 0.69 0.00 | 14.52 0.70 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.26 0.96 0.00 | 24.25 1.21 0.00 | 27.58 1.43 0.00 | 27.12 1.47 0.00 | 26.68 1.35 0.00 | 31.80 1.55 0.00 | 29.95 1.53 0.00 | 27.83 1.55 0.00 | 27.15 1.46 0.00 | 30.42 1.57 0.00 | 34.37 1.69 0.00 | 31.82 1.93 0.00 | 34.61 2.00 0.00 | 31.31 1.74 0.00 | 30.09 1.49 0.00 | 31.62 1.15 0.00 | 32.08 0.97 0.00 | 25.68 0.83 0.00 |

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|--------------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| ATHENS_STG_1 23668 | 14.92 0.51 0.00 | 13.74 0.47 0.00 | 13.82 0.48 0.00 | 14.31 0.49 0.00 | 15.79 0.51 0.00 | 16.91 0.50 0.00 | 22.90 0.60 0.00 | 23.73 0.68 0.00 | 26.96 0.81 0.00 | 26.49 0.84 0.00 | 26.05 0.71 0.00 | 31.05 0.80 0.00 | 29.22 0.80 0.00 | 27.07 0.79 0.00 | 26.44 0.76 0.00 | 29.67 0.81 0.00 | 33.59 0.91 0.00 | 30.93 1.04 0.00 | 33.68 1.07 0.00 | 30.47 0.90 0.00 | 29.37 0.76 0.00 | 31.05 0.58 0.00 | 31.57 0.47 0.00 | 25.30 0.44 0.00 |
| ATHENS_STG_2 23670 | 14.92 0.51 0.00 | 13.74 0.47 0.00 | 13.82 0.48 0.00 | 14.31 0.49 0.00 | 15.79 0.51 0.00 | 16.91 0.50 0.00 | 22.90 0.60 0.00 | 23.73 0.68 0.00 | 26.96 0.81 0.00 | 26.49 0.84 0.00 | 26.05 0.71 0.00 | 31.05 0.80 0.00 | 29.22 0.80 0.00 | 27.07 0.79 0.00 | 26.44 0.76 0.00 | 29.67 0.81 0.00 | 33.59 0.91 0.00 | 30.93 1.04 0.00 | 33.68 1.07 0.00 | 30.47 0.90 0.00 | 29.37 0.76 0.00 | 31.05 0.58 0.00 | 31.57 0.47 0.00 | 25.30 0.44 0.00 |
| ATHENS_STG_3 23677 | 14.92 0.51 0.00 | 13.74 0.47 0.00 | 13.82 0.48 0.00 | 14.31 0.49 0.00 | 15.79 0.51 0.00 | 16.91 0.50 0.00 | 22.90 0.60 0.00 | 23.73 0.68 0.00 | 26.96 0.81 0.00 | 26.49 0.84 0.00 | 26.05 0.71 0.00 | 31.05 0.80 0.00 | 29.22 0.80 0.00 | 27.07 0.79 0.00 | 26.44 0.76 0.00 | 29.67 0.81 0.00 | 33.59 0.91 0.00 | 30.93 1.04 0.00 | 33.68 1.07 0.00 | 30.47 0.90 0.00 | 29.37 0.76 0.00 | 31.05 0.58 0.00 | 31.57 0.47 0.00 | 25.30 0.44 0.00 |
| AUBURN___LFGE 323710 | 14.72 0.00 -0.31 | 13.32 0.01 -0.04 | 13.28 -0.06 0.00 | 13.79 -0.03 0.00 | 15.34 0.05 0.00 | 16.40 0.00 0.00 | 22.17 -0.12 0.00 | 22.94 -0.10 0.00 | 26.04 -0.11 0.00 | 25.58 -0.06 0.00 | 25.28 -0.06 0.00 | 30.16 -0.09 0.00 | 28.40 -0.02 0.00 | 26.31 0.03 0.00 | 25.70 0.01 0.00 | 28.86 0.00 0.00 | 32.75 0.07 0.00 | 30.00 0.10 0.00 | 32.80 0.19 0.00 | 29.58 0.01 0.00 | 28.66 0.06 0.00 | 30.40 -0.07 0.00 | 30.98 -0.13 0.00 | 24.88 0.03 0.00 |
| BABYLON_RES_REC 323704 | 15.45 1.03 0.00 | 14.19 0.92 0.00 | 14.23 0.89 0.00 | 14.69 0.87 0.00 | 16.20 0.92 0.00 | 17.36 0.96 0.00 | 23.69 1.39 0.00 | 24.57 1.52 0.00 | 28.12 1.98 0.00 | 27.57 1.93 0.00 | 27.23 1.89 0.00 | 32.42 2.17 0.00 | 30.43 2.01 0.00 | 28.41 2.13 0.00 | 27.76 2.07 0.00 | 31.00 2.15 0.00 | 35.08 2.39 0.00 | 32.47 2.57 0.00 | 35.32 2.70 0.00 | 31.95 2.38 0.00 | 30.68 2.08 0.00 | 32.29 1.82 0.00 | 32.69 1.58 0.00 | 26.10 1.25 0.00 |
| BABYLON__69_KV_BK2 356345 | 15.57 1.16 0.00 | 14.30 1.03 0.00 | 14.35 1.01 0.00 | 14.81 0.99 0.00 | 16.34 1.05 0.00 | 17.51 1.11 0.00 | 23.89 1.60 0.00 | 24.76 1.71 0.00 | 28.37 2.23 0.00 | 27.82 2.17 0.00 | 27.48 2.15 0.00 | 32.71 2.46 0.00 | 30.70 2.28 0.00 | 28.68 2.40 0.00 | 28.03 2.34 0.00 | 31.28 2.43 0.00 | 35.42 2.74 0.00 | 32.80 2.91 0.00 | 35.68 3.06 0.00 | 32.28 2.71 0.00 | 30.97 2.36 0.00 | 32.59 2.12 0.00 | 32.96 1.86 0.00 | 26.32 1.47 0.00 |
| BALL_HILL_WT_PWR 323825 | 11.73 -1.09 1.59 | 10.83 -1.00 1.44 | 11.31 -1.01 1.01 | 11.69 -0.89 1.24 | 12.76 -0.82 1.71 | 14.34 -0.96 1.11 | 18.49 -1.45 2.36 | 18.23 -1.64 3.18 | 16.76 -2.00 7.39 | 18.44 -1.79 5.41 | 18.54 -1.69 5.10 | 26.35 -1.86 2.05 | 25.22 -1.44 1.76 | 23.08 -1.31 1.89 | 20.43 -1.14 4.10 | 22.40 -1.30 5.15 | 28.63 -1.36 2.70 | 25.71 -1.76 2.43 | 27.81 -1.88 2.93 | 25.12 -2.00 2.46 | 23.64 -1.44 3.53 | 24.61 -1.52 4.35 | 16.68 -1.40 13.03 | 8.31 -0.62 15.91 |
| BARON_WINDS___WT_PWR 323822 | 10.73 -0.82 2.87 | 12.87 -0.74 -0.34 | 13.19 -0.77 -0.63 | 13.94 -0.65 -0.77 | 15.82 -0.52 -1.06 | 16.43 -0.66 -0.69 | 22.95 -0.82 -1.47 | 24.64 -0.54 -2.14 | 30.69 -0.72 -5.26 | 28.90 -0.60 -3.86 | 28.62 -0.36 -3.64 | 31.48 -0.23 -1.46 | 29.66 -0.01 -1.25 | 27.65 0.02 -1.35 | 28.64 0.03 -2.93 | 32.49 -0.04 -3.67 | 34.36 -0.21 -1.89 | 31.30 -0.28 -1.68 | 34.49 -0.15 -2.02 | 30.80 -0.47 -1.70 | 30.57 -0.47 -2.44 | 33.05 -0.43 -3.01 | 39.79 -0.34 -9.02 | 35.79 -0.08 -11.01 |
| BARRETT_IC_1 23704 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_10 23701 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_11 23702 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_12 23703 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_2 23705 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_3 23706 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_4 23707 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| BARRETT_IC_5 23708 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_6 23709 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_7 23710 | 15.33 0.92 0.00 | 14.09 0.82 0.00 | 14.13 0.80 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.67 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.89 0.00 | 27.46 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.97 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_8 23711 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT_IC_9 23700 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT___1 23545 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BARRETT___2 23546 | 15.33 0.92 0.00 | 14.10 0.83 0.00 | 14.13 0.79 0.00 | 14.59 0.77 0.00 | 16.10 0.82 0.00 | 17.24 0.84 0.00 | 23.46 1.16 0.00 | 24.36 1.32 0.00 | 27.81 1.66 0.00 | 27.32 1.68 0.00 | 26.99 1.65 0.00 | 32.12 1.87 0.00 | 30.18 1.76 0.00 | 28.17 1.88 0.00 | 27.47 1.78 0.00 | 30.67 1.82 0.00 | 34.62 1.94 0.00 | 31.96 2.07 0.00 | 34.86 2.24 0.00 | 31.54 1.97 0.00 | 30.34 1.73 0.00 | 31.97 1.49 0.00 | 32.41 1.30 0.00 | 25.96 1.10 0.00 |
| BATAVIA___115KV_TB1 55881 | 12.78 -0.84 0.79 | 12.39 -0.77 0.11 | 12.49 -0.85 0.00 | 13.11 -0.71 0.00 | 14.67 -0.61 0.00 | 15.71 -0.69 0.00 | 21.25 -1.05 0.00 | 21.76 -1.28 0.00 | 24.59 -1.56 0.00 | 24.16 -1.48 0.00 | 23.66 -1.69 0.00 | 28.25 -2.00 0.00 | 26.70 -1.72 0.00 | 24.70 -1.58 0.00 | 24.33 -1.36 0.00 | 27.49 -1.37 0.00 | 31.28 -1.41 0.00 | 28.21 -1.68 0.00 | 30.99 -1.62 0.00 | 27.88 -1.69 0.00 | 27.28 -1.33 0.00 | 28.96 -1.52 0.00 | 29.73 -1.38 0.00 | 24.27 -0.58 0.00 |
| BAYONEEC___CTG1 323682 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BAYONEEC___CTG10 323750 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BAYONEEC___CTG2 323683 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BAYONEEC___CTG3 323684 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BAYONEEC___CTG4 323685 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BAYONEEC___CTG5 323686 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BAYONEEC___CTG6 323687 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| BAYONEEC___CTG7 323688 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BAYONEEC___CTG8 323689 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BAYONEEC___CTG9 323749 | 15.21 0.80 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.13 0.73 0.00 | 23.28 0.98 0.00 | 24.53 1.23 -0.26 | 28.55 1.45 -0.95 | 27.20 1.50 -0.06 | 27.14 1.37 -0.43 | 31.83 1.58 0.00 | 29.97 1.56 0.00 | 27.85 1.57 0.00 | 27.17 1.49 0.00 | 30.44 1.59 0.00 | 34.42 1.70 -0.03 | 31.84 1.95 0.00 | 34.66 2.02 -0.04 | 31.33 1.76 0.00 | 30.11 1.51 0.00 | 31.65 1.18 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| BEACON___LESR 323632 | 15.05 0.64 0.00 | 13.91 0.64 0.00 | 13.98 0.65 0.00 | 14.48 0.66 0.00 | 16.00 0.72 0.00 | 17.18 0.77 0.00 | 23.24 0.95 0.00 | 24.06 1.02 0.00 | 27.33 1.18 0.00 | 26.88 1.23 0.00 | 26.38 1.04 0.00 | 31.44 1.19 0.00 | 29.58 1.16 0.00 | 27.36 1.08 0.00 | 26.74 1.06 0.00 | 30.04 1.19 0.00 | 34.08 1.40 0.00 | 31.32 1.42 0.00 | 34.13 1.52 0.00 | 30.83 1.26 0.00 | 29.76 1.15 0.00 | 31.49 1.02 0.00 | 31.93 0.82 0.00 | 25.57 0.71 0.00 |
| BEAVER RIVER___HYD 24048 | 14.63 -0.63 -0.84 | 14.31 -0.57 -1.61 | 13.82 -0.57 -1.05 | 14.83 -0.62 -1.63 | 15.38 -0.61 -0.70 | 15.76 -0.64 0.00 | 21.52 -0.78 0.00 | 22.27 -0.77 0.00 | 25.08 -1.07 0.00 | 24.82 -0.83 0.00 | 24.87 -0.47 0.00 | 29.88 -0.37 0.00 | 28.16 -0.26 0.00 | 25.92 -0.36 0.00 | 25.28 -0.40 0.00 | 28.57 -0.28 0.00 | 32.22 -0.47 0.00 | 29.66 -0.23 0.00 | 32.28 -0.33 0.00 | 29.40 -0.17 0.00 | 28.47 -0.14 0.00 | 30.42 -0.06 0.00 | 31.35 0.24 0.00 | 25.05 0.19 0.00 |
| BEEBEE_GT_13 23619 | 13.08 -0.69 0.65 | 12.56 -0.62 0.09 | 12.66 -0.68 0.00 | 13.23 -0.59 0.00 | 14.75 -0.54 0.00 | 15.79 -0.61 0.00 | 21.32 -0.98 0.00 | 21.93 -1.11 0.00 | 24.81 -1.33 0.00 | 24.39 -1.25 0.00 | 24.02 -1.32 0.00 | 28.71 -1.54 0.00 | 27.10 -1.32 0.00 | 25.09 -1.19 0.00 | 24.64 -1.05 0.00 | 27.73 -1.13 0.00 | 31.50 -1.19 0.00 | 28.54 -1.36 0.00 | 31.27 -1.35 0.00 | 28.18 -1.39 0.00 | 27.44 -1.16 0.00 | 29.14 -1.33 0.00 | 29.79 -1.32 0.00 | 24.10 -0.75 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 15.36 0.95 0.00 | 14.09 0.82 0.00 | 14.15 0.81 0.00 | 14.64 0.82 0.00 | 16.16 0.87 0.00 | 17.31 0.90 0.00 | 23.53 1.23 0.00 | 24.55 1.50 0.00 | 27.95 1.80 0.00 | 27.49 1.84 0.00 | 27.09 1.76 0.00 | 32.26 2.01 0.00 | 30.40 1.99 0.00 | 28.26 1.98 0.00 | 27.56 1.88 0.00 | 30.89 2.04 0.00 | 34.86 2.17 0.00 | 32.29 2.40 0.00 | 35.08 2.47 0.00 | 31.80 2.23 0.00 | 30.54 1.94 0.00 | 32.08 1.60 0.00 | 32.53 1.42 0.00 | 26.05 1.19 0.00 |
| BETHLEHEM___GRP 23843 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.60 0.00 | 17.04 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.60 0.96 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.32 0.90 0.00 | 27.11 0.83 0.00 | 26.50 0.82 0.00 | 29.77 0.92 0.00 | 33.73 1.05 0.00 | 30.98 1.08 0.00 | 33.70 1.08 0.00 | 30.48 0.91 0.00 | 29.39 0.79 0.00 | 31.15 0.68 0.00 | 31.65 0.54 0.00 | 25.38 0.52 0.00 |
| BETHLEHEM___GS1 323560 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.60 0.00 | 17.04 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.61 0.96 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.32 0.90 0.00 | 27.11 0.83 0.00 | 26.50 0.82 0.00 | 29.77 0.92 0.00 | 33.74 1.05 0.00 | 30.97 1.08 0.00 | 33.69 1.08 0.00 | 30.48 0.90 0.00 | 29.39 0.79 0.00 | 31.15 0.68 0.00 | 31.65 0.54 0.00 | 25.37 0.52 0.00 |
| BETHLEHEM___GS2 323561 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.60 0.00 | 17.04 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.61 0.96 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.32 0.90 0.00 | 27.11 0.83 0.00 | 26.50 0.82 0.00 | 29.77 0.92 0.00 | 33.74 1.05 0.00 | 30.97 1.08 0.00 | 33.69 1.08 0.00 | 30.48 0.90 0.00 | 29.39 0.79 0.00 | 31.15 0.68 0.00 | 31.65 0.54 0.00 | 25.37 0.52 0.00 |
| BETHLEHEM___GS3 323562 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.60 0.00 | 17.04 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.61 0.96 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.32 0.90 0.00 | 27.11 0.83 0.00 | 26.50 0.82 0.00 | 29.77 0.92 0.00 | 33.74 1.05 0.00 | 30.97 1.08 0.00 | 33.69 1.08 0.00 | 30.48 0.90 0.00 | 29.39 0.79 0.00 | 31.15 0.68 0.00 | 31.65 0.54 0.00 | 25.37 0.52 0.00 |
| BETHLEHEM___STEEL 23779 | 12.43 -1.02 0.97 | 12.22 -0.92 0.13 | 12.35 -0.99 0.00 | 12.98 -0.85 0.00 | 14.53 -0.76 0.00 | 15.52 -0.88 0.00 | 20.90 -1.40 0.00 | 21.42 -1.62 0.00 | 24.24 -1.90 0.00 | 23.93 -1.71 0.00 | 23.62 -1.71 0.00 | 28.30 -1.95 0.00 | 26.82 -1.59 0.00 | 24.83 -1.45 0.00 | 24.46 -1.22 0.00 | 27.45 -1.40 0.00 | 31.20 -1.48 0.00 | 28.00 -1.89 0.00 | 30.65 -1.96 0.00 | 27.51 -2.06 0.00 | 27.05 -1.56 0.00 | 28.79 -1.68 0.00 | 29.61 -1.50 0.00 | 24.20 -0.65 0.00 |
| BETHLHEM_115KV_TB1 79974 | 14.97 0.56 0.00 | 13.82 0.55 0.00 | 13.89 0.56 0.00 | 14.40 0.57 0.00 | 15.89 0.61 0.00 | 17.05 0.65 0.00 | 23.02 0.72 0.00 | 23.82 0.77 0.00 | 27.08 0.94 0.00 | 26.62 0.97 0.00 | 26.14 0.80 0.00 | 31.16 0.90 0.00 | 29.33 0.92 0.00 | 27.13 0.85 0.00 | 26.52 0.84 0.00 | 29.79 0.94 0.00 | 33.76 1.08 0.00 | 31.00 1.11 0.00 | 33.72 1.11 0.00 | 30.50 0.93 0.00 | 29.42 0.81 0.00 | 31.17 0.70 0.00 | 31.67 0.56 0.00 | 25.38 0.53 0.00 |
| BETHPAGE_CC_5 323564 | 15.44 1.02 0.00 | 14.19 0.92 0.00 | 14.23 0.88 0.00 | 14.69 0.87 0.00 | 16.21 0.92 0.00 | 17.36 0.96 0.00 | 23.68 1.38 0.00 | 24.52 1.48 0.00 | 28.06 1.92 0.00 | 27.53 1.89 0.00 | 27.18 1.84 0.00 | 32.36 2.11 0.00 | 30.39 1.97 0.00 | 28.35 2.07 0.00 | 27.69 2.00 0.00 | 30.92 2.07 0.00 | 34.97 2.29 0.00 | 32.36 2.47 0.00 | 35.23 2.61 0.00 | 31.86 2.29 0.00 | 30.62 2.02 0.00 | 32.28 1.81 0.00 | 32.69 1.58 0.00 | 26.10 1.25 0.00 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 12.48 -0.93 1.00 | 12.29 -0.84 0.14 | 12.43 -0.91 0.00 | 13.06 -0.76 0.00 | 14.62 -0.67 0.00 | 15.61 -0.79 0.00 | 21.04 -1.26 0.00 | 21.58 -1.47 0.00 | 24.42 -1.72 0.00 | 24.12 -1.53 0.00 | 23.81 -1.53 0.00 | 28.52 -1.73 0.00 | 27.04 -1.38 0.00 | 25.03 -1.26 0.00 | 24.65 -1.03 0.00 | 27.68 -1.18 0.00 | 31.45 -1.23 0.00 | 28.23 -1.66 0.00 | 30.90 -1.71 0.00 | 27.73 -1.84 0.00 | 27.25 -1.36 0.00 | 29.00 -1.48 0.00 | 29.83 -1.28 0.00 | 24.37 -0.48 0.00 |

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| BINGHAMTON___COGEN 23790 | 14.38 -0.03 0.00 | 13.26 0.00 0.00 | 13.33 0.00 0.00 | 13.85 0.03 0.00 | 15.38 0.09 0.00 | 16.43 0.03 0.00 | 22.27 -0.03 0.00 | 23.06 0.02 0.00 | 26.11 -0.03 0.00 | 25.67 0.03 0.00 | 25.42 0.08 0.00 | 30.41 0.15 0.00 | 28.66 0.24 0.00 | 26.51 0.23 0.00 | 25.94 0.25 0.00 | 29.12 0.27 0.00 | 33.09 0.41 0.00 | 30.33 0.44 0.00 | 33.18 0.56 0.00 | 29.91 0.34 0.00 | 28.89 0.28 0.00 | 30.68 0.20 0.00 | 31.25 0.14 0.00 | 25.02 0.17 0.00 |
| BIXINCNT_115KV_LOAD 355685 | 12.29 -0.96 1.17 | 12.27 -0.85 0.16 | 12.46 -0.88 0.00 | 13.14 -0.68 0.00 | 14.66 -0.63 0.00 | 15.62 -0.78 0.00 | 21.05 -1.25 0.00 | 21.78 -1.27 0.00 | 24.78 -1.37 0.00 | 24.63 -1.02 0.00 | 24.38 -0.96 0.00 | 29.33 -0.92 0.00 | 27.87 -0.55 0.00 | 25.77 -0.51 0.00 | 25.41 -0.27 0.00 | 28.55 -0.30 0.00 | 32.32 -0.37 0.00 | 29.07 -0.82 0.00 | 31.87 -0.75 0.00 | 28.29 -1.29 0.00 | 27.90 -0.70 0.00 | 29.74 -0.73 0.00 | 30.69 -0.42 0.00 | 25.00 0.15 0.00 |
| BLACK RIVER___HYD 24047 | 14.24 -0.76 -0.59 | 13.70 -0.69 -1.13 | 13.38 -0.71 -0.75 | 14.22 -0.75 -1.14 | 15.05 -0.73 -0.49 | 15.62 -0.78 0.00 | 21.31 -0.99 0.00 | 22.00 -1.04 0.00 | 24.75 -1.40 0.00 | 24.45 -1.20 0.00 | 24.51 -0.83 0.00 | 29.42 -0.83 0.00 | 27.78 -0.64 0.00 | 25.46 -0.82 0.00 | 24.85 -0.83 0.00 | 28.16 -0.70 0.00 | 31.83 -0.85 0.00 | 29.53 -0.37 0.00 | 32.29 -0.32 0.00 | 29.26 -0.31 0.00 | 28.32 -0.29 0.00 | 30.24 -0.23 0.00 | 31.16 0.05 0.00 | 24.91 0.06 0.00 |
| BLACKRVR_115KV_TB2 79977 | 14.24 -0.76 -0.59 | 13.71 -0.69 -1.13 | 13.38 -0.71 -0.75 | 14.22 -0.75 -1.14 | 15.05 -0.73 -0.49 | 15.62 -0.78 0.00 | 21.31 -0.99 0.00 | 22.00 -1.04 0.00 | 24.75 -1.40 0.00 | 24.45 -1.20 0.00 | 24.51 -0.83 0.00 | 29.42 -0.83 0.00 | 27.78 -0.64 0.00 | 25.46 -0.82 0.00 | 24.85 -0.83 0.00 | 28.16 -0.70 0.00 | 31.83 -0.85 0.00 | 29.53 -0.37 0.00 | 32.29 -0.32 0.00 | 29.26 -0.32 0.00 | 28.32 -0.29 0.00 | 30.24 -0.23 0.00 | 31.16 0.05 0.00 | 24.91 0.06 0.00 |
| BLISS_WT_PWR 323608 | 11.55 -1.06 1.79 | 10.79 -0.93 1.54 | 11.30 -0.97 1.07 | 11.74 -0.77 1.31 | 12.75 -0.73 1.81 | 14.34 -0.89 1.17 | 18.40 -1.40 2.50 | 18.31 -1.37 3.37 | 16.90 -1.44 7.81 | 18.88 -1.05 5.72 | 18.96 -0.98 5.40 | 27.16 -0.93 2.17 | 26.01 -0.55 1.86 | 23.77 -0.51 2.00 | 21.06 -0.29 4.34 | 23.13 -0.27 5.45 | 29.46 -0.37 2.85 | 26.53 -0.80 2.56 | 28.81 -0.71 3.09 | 25.64 -1.33 2.60 | 24.18 -0.69 3.73 | 25.15 -0.73 4.60 | 16.97 -0.36 13.78 | 8.21 0.19 16.83 |
| BLUESTONE___WT_PWR 323821 | 15.29 -0.03 -0.90 | 14.08 0.37 -0.45 | 13.78 0.17 -0.27 | 14.37 0.22 -0.33 | 16.33 0.60 -0.45 | 16.94 0.25 -0.29 | 23.31 0.39 -0.62 | 24.37 0.49 -0.83 | 28.56 0.42 -2.00 | 27.63 0.52 -1.46 | 27.53 0.81 -1.38 | 32.27 1.47 -0.55 | 30.35 1.45 -0.48 | 27.76 0.97 -0.51 | 27.79 0.99 -1.11 | 31.44 1.20 -1.39 | 35.15 1.71 -0.75 | 31.98 1.39 -0.70 | 35.34 1.89 -0.84 | 31.90 1.62 -0.70 | 30.90 1.28 -1.01 | 32.89 1.17 -1.25 | 35.95 1.11 -3.74 | 30.42 1.00 -4.56 |
| BLUE_CIRC_CHEM_DRP 24182 | 14.92 0.51 0.00 | 13.78 0.51 0.00 | 13.85 0.51 0.00 | 14.36 0.54 0.00 | 15.87 0.58 0.00 | 17.02 0.62 0.00 | 22.99 0.69 0.00 | 23.76 0.71 0.00 | 27.00 0.85 0.00 | 26.52 0.88 0.00 | 26.08 0.74 0.00 | 31.09 0.84 0.00 | 29.25 0.83 0.00 | 27.05 0.77 0.00 | 26.44 0.76 0.00 | 29.72 0.86 0.00 | 33.67 0.99 0.00 | 30.90 1.01 0.00 | 33.61 1.00 0.00 | 30.41 0.84 0.00 | 29.35 0.74 0.00 | 31.13 0.65 0.00 | 31.66 0.55 0.00 | 25.38 0.53 0.00 |
| BOC_GAS_DRP 24189 | 14.83 0.42 0.00 | 13.67 0.41 0.00 | 13.75 0.41 0.00 | 14.25 0.43 0.00 | 15.73 0.45 0.00 | 16.86 0.46 0.00 | 22.80 0.50 0.00 | 23.60 0.55 0.00 | 26.82 0.67 0.00 | 26.34 0.70 0.00 | 25.91 0.57 0.00 | 30.89 0.63 0.00 | 29.07 0.65 0.00 | 26.90 0.61 0.00 | 26.28 0.60 0.00 | 29.52 0.66 0.00 | 33.43 0.74 0.00 | 30.71 0.81 0.00 | 33.43 0.81 0.00 | 30.25 0.67 0.00 | 29.18 0.57 0.00 | 30.93 0.45 0.00 | 31.47 0.36 0.00 | 25.21 0.36 0.00 |
| BOONVILLE_115KV_TB1 79983 | 14.68 -0.06 -0.32 | 13.88 -0.04 -0.65 | 13.80 -0.04 -0.50 | 14.40 -0.05 -0.63 | 15.53 -0.02 -0.27 | 16.38 -0.02 0.00 | 22.34 0.04 0.00 | 23.13 0.09 0.00 | 26.16 0.02 0.00 | 25.76 0.11 0.00 | 25.61 0.27 0.00 | 30.72 0.47 0.00 | 28.88 0.46 0.00 | 26.67 0.39 0.00 | 26.08 0.39 0.00 | 29.40 0.54 0.00 | 33.29 0.61 0.00 | 30.54 0.65 0.00 | 33.27 0.66 0.00 | 30.18 0.61 0.00 | 29.16 0.55 0.00 | 31.02 0.55 0.00 | 31.76 0.65 0.00 | 25.38 0.54 0.00 |
| BORALEX_4TH_BRANCH 23824 | 15.09 0.68 0.00 | 14.02 0.75 0.00 | 14.09 0.75 0.00 | 14.61 0.79 0.00 | 16.12 0.84 0.00 | 17.27 0.87 0.00 | 23.13 0.83 0.00 | 23.82 0.78 0.00 | 27.11 0.96 0.00 | 26.70 1.05 0.00 | 26.07 0.73 0.00 | 31.02 0.77 0.00 | 29.22 0.80 0.00 | 26.98 0.71 0.00 | 26.38 0.70 0.00 | 29.66 0.81 0.00 | 33.68 1.00 0.00 | 30.73 0.83 0.00 | 33.34 0.72 0.00 | 30.17 0.60 0.00 | 29.11 0.51 0.00 | 31.05 0.57 0.00 | 31.46 0.35 0.00 | 25.27 0.42 0.00 |
| BOWLINE___1 23526 | 15.16 0.74 0.00 | 13.92 0.65 0.00 | 13.99 0.65 0.00 | 14.48 0.66 0.00 | 15.99 0.70 0.00 | 17.12 0.72 0.00 | 23.28 0.98 0.00 | 24.20 1.15 0.00 | 27.49 1.34 0.00 | 27.00 1.35 0.00 | 26.55 1.22 0.00 | 31.66 1.41 0.00 | 29.80 1.38 0.00 | 27.67 1.39 0.00 | 26.99 1.30 0.00 | 30.23 1.38 0.00 | 34.22 1.53 0.00 | 31.67 1.78 0.00 | 34.51 1.89 0.00 | 31.19 1.62 0.00 | 29.97 1.37 0.00 | 31.56 1.09 0.00 | 32.06 0.95 0.00 | 25.69 0.84 0.00 |
| BOWLINE___2 23595 | 15.16 0.74 0.00 | 13.92 0.65 0.00 | 13.99 0.65 0.00 | 14.48 0.66 0.00 | 15.99 0.70 0.00 | 17.12 0.72 0.00 | 23.28 0.98 0.00 | 24.20 1.15 0.00 | 27.49 1.34 0.00 | 27.00 1.35 0.00 | 26.55 1.22 0.00 | 31.66 1.41 0.00 | 29.80 1.38 0.00 | 27.67 1.39 0.00 | 26.99 1.30 0.00 | 30.23 1.38 0.00 | 34.22 1.53 0.00 | 31.68 1.78 0.00 | 34.51 1.89 0.00 | 31.19 1.62 0.00 | 29.97 1.37 0.00 | 31.56 1.09 0.00 | 32.06 0.95 0.00 | 25.69 0.84 0.00 |
| BRADY___115KV_TB2 356060 | 15.27 -0.15 -1.00 | 14.34 -0.17 -1.24 | 12.84 -0.14 0.36 | 15.54 -0.15 -1.86 | 15.96 -0.15 -0.83 | 16.35 -0.05 0.00 | 22.43 0.14 0.00 | 23.14 0.10 0.00 | 26.12 -0.03 0.00 | 25.67 0.02 0.00 | 25.47 0.13 0.00 | 30.42 0.17 0.00 | 28.55 0.14 0.00 | 26.30 0.02 0.00 | 25.64 -0.04 0.00 | 28.85 0.00 0.00 | 32.58 -0.10 0.00 | 29.62 -0.27 0.00 | 32.44 -0.18 0.00 | 29.69 0.12 0.00 | 28.90 0.30 0.00 | 31.06 0.58 0.00 | 31.78 0.67 0.00 | 25.24 0.39 0.00 |
| BRANSCOMB___SOLAR 323811 | 15.00 0.59 0.00 | 13.83 0.56 0.00 | 13.91 0.57 0.00 | 14.42 0.60 0.00 | 15.93 0.65 0.00 | 17.12 0.72 0.00 | 23.11 0.82 0.00 | 23.82 0.78 0.00 | 27.09 0.95 0.00 | 26.65 1.00 0.00 | 26.11 0.77 0.00 | 31.29 1.03 0.00 | 29.52 1.10 0.00 | 27.32 1.04 0.00 | 26.71 1.03 0.00 | 30.00 1.15 0.00 | 34.10 1.41 0.00 | 31.35 1.46 0.00 | 34.09 1.47 0.00 | 30.82 1.24 0.00 | 29.71 1.11 0.00 | 31.52 1.05 0.00 | 31.94 0.83 0.00 | 25.58 0.73 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 15.52 1.11 0.00 | 14.26 0.99 0.00 | 14.31 0.97 0.00 | 14.77 0.94 0.00 | 16.29 1.00 0.00 | 17.44 1.04 0.00 | 23.78 1.48 0.00 | 24.64 1.60 0.00 | 28.23 2.08 0.00 | 27.67 2.02 0.00 | 27.36 2.02 0.00 | 32.54 2.29 0.00 | 30.53 2.12 0.00 | 28.53 2.25 0.00 | 27.87 2.19 0.00 | 31.12 2.27 0.00 | 35.24 2.56 0.00 | 32.61 2.72 0.00 | 35.46 2.84 0.00 | 32.08 2.51 0.00 | 30.77 2.16 0.00 | 32.38 1.91 0.00 | 32.77 1.66 0.00 | 26.20 1.35 0.00 |

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| BRISTLHL_115KV_TB1 79998 | 14.18 -0.23 0.00 | 13.07 -0.20 0.00 | 13.12 -0.21 0.00 | 13.62 -0.20 0.00 | 15.06 -0.23 0.00 | 16.11 -0.29 0.00 | 21.78 -0.51 0.00 | 22.51 -0.54 0.00 | 25.50 -0.65 0.00 | 25.01 -0.64 0.00 | 24.70 -0.64 0.00 | 29.52 -0.73 0.00 | 27.77 -0.64 0.00 | 25.71 -0.57 0.00 | 25.12 -0.56 0.00 | 28.17 -0.68 0.00 | 31.93 -0.75 0.00 | 29.29 -0.61 0.00 | 32.00 -0.61 0.00 | 28.93 -0.65 0.00 | 27.97 -0.63 0.00 | 29.74 -0.74 0.00 | 30.36 -0.75 0.00 | 24.33 -0.52 0.00 |
| BROOKHAVEN___DRP 24191 | 15.42 1.01 0.00 | 14.19 0.93 0.00 | 14.23 0.89 0.00 | 14.68 0.86 0.00 | 16.17 0.88 0.00 | 17.33 0.93 0.00 | 23.69 1.39 0.00 | 24.42 1.37 0.00 | 28.16 2.01 0.00 | 27.44 1.80 0.00 | 27.12 1.78 0.00 | 32.34 2.09 0.00 | 30.29 1.87 0.00 | 28.33 2.05 0.00 | 27.64 1.96 0.00 | 30.92 2.07 0.00 | 35.06 2.37 0.00 | 32.45 2.55 0.00 | 35.22 2.61 0.00 | 31.92 2.35 0.00 | 30.56 1.95 0.00 | 32.23 1.75 0.00 | 32.58 1.47 0.00 | 25.95 1.10 0.00 |
| BROOKLYN_NAVY_YARD 23515 | 15.22 0.81 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.03 0.74 0.00 | 17.14 0.74 0.00 | 23.29 0.99 0.00 | 24.30 1.25 0.00 | 27.62 1.47 0.00 | 27.17 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.01 1.59 0.00 | 27.87 1.59 0.00 | 27.20 1.52 0.00 | 30.48 1.63 0.00 | 34.45 1.76 0.00 | 31.89 1.99 0.00 | 34.69 2.08 0.00 | 31.38 1.81 0.00 | 30.14 1.54 0.00 | 31.68 1.21 0.00 | 32.13 1.02 0.00 | 25.72 0.87 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| BROOKVLE_69_KV_TB1 55790 | 15.49 1.08 0.00 | 14.23 0.97 0.00 | 14.27 0.93 0.00 | 14.75 0.92 0.00 | 16.28 0.99 0.00 | 17.45 1.04 0.00 | 23.79 1.49 0.00 | 24.69 1.65 0.00 | 28.24 2.10 0.00 | 27.73 2.08 0.00 | 27.35 2.01 0.00 | 32.59 2.34 0.00 | 30.62 2.21 0.00 | 28.55 2.27 0.00 | 27.85 2.17 0.00 | 31.06 2.20 0.00 | 35.05 2.36 0.00 | 32.44 2.54 0.00 | 35.31 2.69 0.00 | 31.96 2.39 0.00 | 30.83 2.22 0.00 | 32.45 1.97 0.00 | 32.84 1.73 0.00 | 26.24 1.39 0.00 |
| BROOME_2_LFGE 323671 | 14.60 -0.03 -0.22 | 13.75 0.00 -0.49 | 13.71 -0.01 -0.38 | 14.32 0.03 -0.46 | 16.01 0.09 -0.64 | 16.84 0.03 -0.41 | 23.15 -0.03 -0.88 | 24.28 0.02 -1.22 | 29.23 -0.03 -3.12 | 27.95 0.02 -2.28 | 27.57 0.08 -2.16 | 31.27 0.15 -0.86 | 29.40 0.24 -0.74 | 27.30 0.22 -0.80 | 27.66 0.24 -1.74 | 31.29 0.26 -2.18 | 34.28 0.41 -1.19 | 31.43 0.44 -1.10 | 34.51 0.57 -1.33 | 31.02 0.34 -1.12 | 30.48 0.28 -1.60 | 32.65 0.20 -1.97 | 37.16 0.13 -5.91 | 32.25 0.17 -7.22 |
| BROOME___LFGE 323600 | 14.60 -0.03 -0.22 | 13.75 0.00 -0.49 | 13.71 -0.01 -0.38 | 14.32 0.03 -0.46 | 16.01 0.09 -0.64 | 16.84 0.03 -0.41 | 23.15 -0.03 -0.88 | 24.28 0.02 -1.22 | 29.23 -0.03 -3.12 | 27.95 0.02 -2.28 | 27.57 0.08 -2.16 | 31.27 0.15 -0.86 | 29.40 0.24 -0.74 | 27.30 0.22 -0.80 | 27.66 0.24 -1.74 | 31.29 0.26 -2.18 | 34.28 0.41 -1.19 | 31.43 0.44 -1.10 | 34.51 0.57 -1.33 | 31.02 0.34 -1.12 | 30.48 0.28 -1.60 | 32.65 0.20 -1.97 | 37.16 0.13 -5.91 | 32.25 0.17 -7.22 |
| BROWNFLS_115KV_TB_3_5 80003 | 15.38 -0.54 -1.51 | 15.59 -0.52 -2.84 | 14.64 -0.50 -1.80 | 16.20 -0.54 -2.92 | 15.99 -0.55 -1.25 | 15.88 -0.52 0.00 | 21.73 -0.57 0.00 | 22.46 -0.59 0.00 | 25.33 -0.82 0.00 | 25.04 -0.60 0.00 | 24.99 -0.35 0.00 | 29.95 -0.30 0.00 | 28.17 -0.25 0.00 | 25.93 -0.35 0.00 | 25.30 -0.38 0.00 | 28.50 -0.35 0.00 | 32.07 -0.61 0.00 | 29.33 -0.56 0.00 | 31.93 -0.68 0.00 | 29.23 -0.34 0.00 | 28.40 -0.20 0.00 | 30.44 -0.04 0.00 | 31.28 0.17 0.00 | 24.93 0.08 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 15.35 0.93 0.00 | 14.08 0.81 0.00 | 14.14 0.80 0.00 | 14.63 0.81 0.00 | 16.15 0.86 0.00 | 17.29 0.88 0.00 | 23.51 1.21 0.00 | 24.52 1.47 0.00 | 27.89 1.74 0.00 | 27.44 1.80 0.00 | 27.00 1.66 0.00 | 32.18 1.93 0.00 | 30.30 1.88 0.00 | 28.17 1.89 0.00 | 27.48 1.79 0.00 | 30.78 1.93 0.00 | 34.78 2.10 0.00 | 32.21 2.32 0.00 | 35.02 2.41 0.00 | 31.70 2.13 0.00 | 30.46 1.86 0.00 | 32.01 1.54 0.00 | 32.46 1.35 0.00 | 25.97 1.12 0.00 |
| BURROWS___LYONSDAL 23803 | 14.61 -0.23 -0.42 | 13.92 -0.19 -0.84 | 13.75 -0.20 -0.61 | 14.43 -0.21 -0.82 | 15.45 -0.19 -0.35 | 16.20 -0.21 0.00 | 22.09 -0.20 0.00 | 22.88 -0.16 0.00 | 25.85 -0.29 0.00 | 25.51 -0.13 0.00 | 25.42 0.08 0.00 | 30.53 0.27 0.00 | 28.72 0.30 0.00 | 26.50 0.22 0.00 | 25.91 0.22 0.00 | 29.22 0.37 0.00 | 33.05 0.36 0.00 | 30.35 0.45 0.00 | 33.04 0.42 0.00 | 29.99 0.42 0.00 | 28.98 0.38 0.00 | 30.88 0.41 0.00 | 31.68 0.56 0.00 | 25.32 0.47 0.00 |
| CAITHNESS_CC_1 323624 | 15.40 0.99 0.00 | 14.18 0.91 0.00 | 14.21 0.87 0.00 | 14.66 0.84 0.00 | 16.15 0.86 0.00 | 17.31 0.90 0.00 | 23.65 1.35 0.00 | 24.39 1.34 0.00 | 28.11 1.96 0.00 | 27.41 1.77 0.00 | 27.09 1.75 0.00 | 32.29 2.04 0.00 | 30.24 1.82 0.00 | 28.29 2.01 0.00 | 27.61 1.93 0.00 | 30.86 2.01 0.00 | 34.99 2.31 0.00 | 32.39 2.49 0.00 | 35.16 2.55 0.00 | 31.86 2.29 0.00 | 30.51 1.90 0.00 | 32.17 1.70 0.00 | 32.54 1.43 0.00 | 25.93 1.08 0.00 |
| CALPINE BETH_PAGE_GT4 24209 | 15.44 1.03 0.00 | 14.19 0.92 0.00 | 14.23 0.89 0.00 | 14.69 0.87 0.00 | 16.21 0.93 0.00 | 17.37 0.97 0.00 | 23.68 1.38 0.00 | 24.50 1.45 0.00 | 28.01 1.87 0.00 | 27.50 1.85 0.00 | 27.13 1.80 0.00 | 32.32 2.06 0.00 | 30.36 1.94 0.00 | 28.32 2.04 0.00 | 27.64 1.95 0.00 | 30.87 2.02 0.00 | 34.92 2.23 0.00 | 32.32 2.42 0.00 | 35.17 2.56 0.00 | 31.82 2.25 0.00 | 30.59 1.98 0.00 | 32.30 1.83 0.00 | 32.69 1.58 0.00 | 26.12 1.27 0.00 |
| CALPINE_BETH_PAGE_GT_4 323586 | 15.44 1.03 0.00 | 14.19 0.92 0.00 | 14.23 0.89 0.00 | 14.69 0.87 0.00 | 16.21 0.93 0.00 | 17.37 0.97 0.00 | 23.68 1.38 0.00 | 24.50 1.45 0.00 | 28.01 1.87 0.00 | 27.50 1.85 0.00 | 27.13 1.79 0.00 | 32.32 2.07 0.00 | 30.35 1.94 0.00 | 28.32 2.04 0.00 | 27.64 1.96 0.00 | 30.87 2.02 0.00 | 34.92 2.24 0.00 | 32.32 2.42 0.00 | 35.17 2.56 0.00 | 31.82 2.25 0.00 | 30.59 1.98 0.00 | 32.30 1.83 0.00 | 32.70 1.58 0.00 | 26.12 1.27 0.00 |
| CALPINE_BP_GT1 23823 | 15.44 1.03 0.00 | 14.19 0.92 0.00 | 14.23 0.89 0.00 | 14.69 0.87 0.00 | 16.21 0.93 0.00 | 17.37 0.97 0.00 | 23.68 1.38 0.00 | 24.50 1.45 0.00 | 28.01 1.87 0.00 | 27.50 1.85 0.00 | 27.13 1.79 0.00 | 32.32 2.07 0.00 | 30.35 1.94 0.00 | 28.32 2.04 0.00 | 27.64 1.96 0.00 | 30.87 2.02 0.00 | 34.92 2.24 0.00 | 32.32 2.42 0.00 | 35.17 2.56 0.00 | 31.82 2.25 0.00 | 30.59 1.98 0.00 | 32.30 1.83 0.00 | 32.70 1.58 0.00 | 26.12 1.27 0.00 |
| CALSPAN___DRP 24200 | 12.43 -1.02 0.97 | 12.22 -0.92 0.13 | 12.35 -0.99 0.00 | 12.98 -0.85 0.00 | 14.53 -0.76 0.00 | 15.52 -0.88 0.00 | 20.90 -1.40 0.00 | 21.42 -1.62 0.00 | 24.24 -1.90 0.00 | 23.93 -1.71 0.00 | 23.62 -1.71 0.00 | 28.30 -1.95 0.00 | 26.82 -1.59 0.00 | 24.83 -1.45 0.00 | 24.46 -1.22 0.00 | 27.45 -1.40 0.00 | 31.20 -1.48 0.00 | 28.00 -1.89 0.00 | 30.65 -1.96 0.00 | 27.51 -2.06 0.00 | 27.05 -1.56 0.00 | 28.79 -1.68 0.00 | 29.61 -1.50 0.00 | 24.20 -0.65 0.00 |

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|-------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|
| CALVERTON___SOLAR 323806 | 15.45 1.03 0.00 | 14.22 0.95 0.00 | 14.25 0.91 0.00 | 14.70 0.88 0.00 | 16.20 0.91 0.00 | 17.36 0.96 0.00 | 23.74 1.45 0.00 | 24.47 1.43 0.00 | 28.22 2.08 0.00 | 27.49 1.84 0.00 | 27.18 1.84 0.00 | 32.41 2.16 0.00 | 30.34 1.92 0.00 | 28.38 2.10 0.00 | 27.70 2.02 0.00 | 30.99 2.14 0.00 | 35.13 2.45 0.00 | 32.51 2.61 0.00 | 35.30 2.68 0.00 | 31.98 2.41 0.00 | 30.61 2.01 0.00 | 32.29 1.82 0.00 | 32.64 1.53 0.00 | 25.99 1.14 0.00 |
| CANDIGU_WT_PWR 323617 | 10.73 -0.82 2.87 | 12.87 -0.74 -0.34 | 13.19 -0.77 -0.63 | 13.94 -0.65 -0.77 | 15.82 -0.52 -1.06 | 16.43 -0.66 -0.69 | 22.95 -0.82 -1.47 | 24.64 -0.54 -2.14 | 30.69 -0.72 -5.26 | 28.90 -0.60 -3.86 | 28.62 -0.36 -3.64 | 31.48 -0.23 -1.46 | 29.66 -0.01 -1.25 | 27.65 0.02 -1.35 | 28.64 0.03 -2.93 | 32.49 -0.04 -3.67 | 34.36 -0.21 -1.89 | 31.30 -0.28 -1.68 | 34.49 -0.15 -2.02 | 30.80 -0.47 -1.70 | 30.57 -0.47 -2.44 | 33.05 -0.43 -3.01 | 39.79 -0.34 -9.02 | 35.79 -0.08 -11.01 |
| CARR STREET_E_SYR 24060 | 14.27 -0.15 0.00 | 13.14 -0.13 0.00 | 13.20 -0.14 0.00 | 13.70 -0.12 0.00 | 15.16 -0.13 0.00 | 16.20 -0.20 0.00 | 21.87 -0.43 0.00 | 22.53 -0.51 0.00 | 25.54 -0.60 0.00 | 25.07 -0.58 0.00 | 24.76 -0.58 0.00 | 29.59 -0.66 0.00 | 27.85 -0.56 0.00 | 25.80 -0.48 0.00 | 25.30 -0.39 0.00 | 28.42 -0.44 0.00 | 32.12 -0.56 0.00 | 29.36 -0.53 0.00 | 32.09 -0.52 0.00 | 28.99 -0.59 0.00 | 28.03 -0.57 0.00 | 29.86 -0.62 0.00 | 30.56 -0.55 0.00 | 24.51 -0.34 0.00 |
| CARTHAGE___PAPER 23857 | 14.49 -0.61 -0.69 | 14.03 -0.56 -1.31 | 13.64 -0.56 -0.86 | 14.55 -0.60 -1.33 | 15.28 -0.58 -0.57 | 15.79 -0.61 0.00 | 21.58 -0.72 0.00 | 22.31 -0.74 0.00 | 25.09 -1.06 0.00 | 24.78 -0.86 0.00 | 24.82 -0.52 0.00 | 29.84 -0.41 0.00 | 28.14 -0.27 0.00 | 25.84 -0.44 0.00 | 25.23 -0.46 0.00 | 28.55 -0.30 0.00 | 32.23 -0.46 0.00 | 29.77 -0.13 0.00 | 32.49 -0.12 0.00 | 29.53 -0.05 0.00 | 28.59 -0.01 0.00 | 30.54 0.07 0.00 | 31.46 0.35 0.00 | 25.14 0.29 0.00 |
| CASSADAGA_WT_PWR 323784 | 11.51 -1.15 1.75 | 10.63 -1.14 1.50 | 11.37 -0.93 1.04 | 11.67 -0.87 1.28 | 12.59 -0.93 1.76 | 14.36 -0.90 1.14 | 18.71 -1.15 2.44 | 18.20 -1.57 3.28 | 16.54 -2.00 7.60 | 18.36 -1.72 5.57 | 18.67 -1.41 5.26 | 26.86 -1.28 2.11 | 25.89 -0.71 1.81 | 23.73 -0.60 1.95 | 20.98 -0.48 4.23 | 22.95 -0.60 5.30 | 29.44 -0.46 2.78 | 26.31 -1.09 2.50 | 28.08 -1.53 3.01 | 25.44 -1.60 2.53 | 24.24 -0.73 3.63 | 25.32 -0.68 4.47 | 17.01 -0.68 13.42 | 8.40 -0.07 16.38 |
| CE_DUNWOOD___DRP 24194 | 15.20 0.79 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.03 0.75 0.00 | 17.17 0.76 0.00 | 23.32 1.03 0.00 | 24.26 1.22 0.00 | 27.58 1.44 0.00 | 27.11 1.46 0.00 | 26.67 1.33 0.00 | 31.79 1.54 0.00 | 29.91 1.49 0.00 | 27.79 1.51 0.00 | 27.11 1.42 0.00 | 30.37 1.52 0.00 | 34.36 1.67 0.00 | 31.80 1.90 0.00 | 34.63 2.01 0.00 | 31.30 1.73 0.00 | 30.08 1.48 0.00 | 31.66 1.19 0.00 | 32.14 1.03 0.00 | 25.74 0.88 0.00 |
| CE_MILLWOOD___DRP 24193 | 15.18 0.77 0.00 | 13.95 0.68 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.15 0.75 0.00 | 23.30 1.01 0.00 | 24.24 1.20 0.00 | 27.55 1.40 0.00 | 27.07 1.42 0.00 | 26.63 1.29 0.00 | 31.74 1.49 0.00 | 29.88 1.46 0.00 | 27.74 1.46 0.00 | 27.06 1.38 0.00 | 30.32 1.47 0.00 | 34.31 1.63 0.00 | 31.76 1.86 0.00 | 34.58 1.96 0.00 | 31.26 1.69 0.00 | 30.04 1.44 0.00 | 31.63 1.15 0.00 | 32.11 1.00 0.00 | 25.72 0.86 0.00 |
| CE_NYC2_DRP 24202 | 15.24 0.83 0.00 | 13.99 0.72 0.00 | 14.05 0.72 0.00 | 14.54 0.72 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.34 1.04 0.00 | 24.33 1.29 0.00 | 27.68 1.54 0.00 | 27.23 1.58 0.00 | 26.81 1.47 0.00 | 31.93 1.68 0.00 | 30.07 1.65 0.00 | 27.94 1.66 0.00 | 27.26 1.57 0.00 | 30.54 1.69 0.00 | 34.50 1.81 0.00 | 31.95 2.06 0.00 | 34.74 2.13 0.00 | 31.44 1.87 0.00 | 30.20 1.59 0.00 | 31.73 1.25 0.00 | 32.19 1.08 0.00 | 25.76 0.91 0.00 |
| CE_NYC_DRP 24195 | 15.22 0.81 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.03 0.74 0.00 | 17.15 0.75 0.00 | 23.30 1.01 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.18 1.53 0.00 | 26.74 1.40 0.00 | 31.86 1.61 0.00 | 30.00 1.59 0.00 | 27.89 1.61 0.00 | 27.20 1.52 0.00 | 30.47 1.62 0.00 | 34.44 1.75 0.00 | 31.90 2.00 0.00 | 34.69 2.08 0.00 | 31.39 1.81 0.00 | 30.15 1.55 0.00 | 31.68 1.21 0.00 | 32.14 1.03 0.00 | 25.73 0.87 0.00 |
| CHAFFEE___LFGE 323603 | 11.81 -0.94 1.66 | 10.96 -0.85 1.46 | 11.41 -0.91 1.02 | 11.81 -0.77 1.24 | 12.90 -0.67 1.71 | 14.50 -0.79 1.11 | 18.67 -1.27 2.37 | 18.40 -1.46 3.19 | 17.03 -1.71 7.40 | 18.68 -1.55 5.42 | 18.67 -1.56 5.11 | 26.41 -1.79 2.05 | 25.22 -1.44 1.76 | 23.07 -1.31 1.90 | 20.46 -1.12 4.11 | 22.45 -1.24 5.16 | 28.66 -1.33 2.70 | 25.76 -1.71 2.43 | 27.94 -1.74 2.93 | 25.27 -1.84 2.46 | 23.69 -1.37 3.53 | 24.60 -1.52 4.35 | 16.74 -1.31 13.06 | 8.41 -0.50 15.94 |
| CHATEAUG_35_KV_LOAD 355732 | -1.70 -0.73 15.38 | -23.64 -0.67 36.24 | -23.25 -0.65 35.94 | -17.46 -0.70 30.58 | 1.80 -0.76 12.73 | 15.79 -0.62 0.00 | 21.63 -0.67 0.00 | 22.32 -0.72 0.00 | 25.55 -0.60 0.00 | 25.47 -0.17 0.00 | 25.35 0.01 0.00 | 30.28 0.03 0.00 | 28.54 0.12 0.00 | 26.25 -0.03 0.00 | 25.65 -0.03 0.00 | 28.86 0.01 0.00 | 32.72 0.03 0.00 | 29.18 -0.72 0.00 | 32.06 -0.56 0.00 | 29.39 -0.18 0.00 | 28.73 0.13 0.00 | 31.28 0.81 0.00 | 31.95 0.84 0.00 | 25.32 0.47 0.00 |
| CHATEAUG_WT_PWR 323614 | -0.72 -0.82 14.31 | -21.31 -0.77 33.81 | -21.07 -0.74 33.67 | -15.41 -0.78 28.45 | 2.60 -0.84 11.84 | 15.71 -0.69 0.00 | 21.49 -0.81 0.00 | 22.17 -0.87 0.00 | 25.44 -0.71 0.00 | 25.42 -0.23 0.00 | 25.28 -0.06 0.00 | 30.24 -0.01 0.00 | 28.51 0.10 0.00 | 26.22 -0.05 0.00 | 25.61 -0.07 0.00 | 28.80 -0.06 0.00 | 32.63 -0.05 0.00 | 29.07 -0.83 0.00 | 31.92 -0.70 0.00 | 29.31 -0.26 0.00 | 28.66 0.05 0.00 | 31.23 0.76 0.00 | 31.92 0.80 0.00 | 25.29 0.44 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | -1.70 -0.73 15.38 | -23.64 -0.67 36.24 | -23.25 -0.65 35.94 | -17.46 -0.70 30.58 | 1.80 -0.76 12.73 | 15.79 -0.62 0.00 | 21.63 -0.67 0.00 | 22.32 -0.72 0.00 | 25.55 -0.60 0.00 | 25.47 -0.17 0.00 | 25.35 0.01 0.00 | 30.28 0.03 0.00 | 28.54 0.12 0.00 | 26.25 -0.03 0.00 | 25.65 -0.03 0.00 | 28.86 0.01 0.00 | 32.72 0.03 0.00 | 29.18 -0.72 0.00 | 32.06 -0.56 0.00 | 29.39 -0.18 0.00 | 28.73 0.13 0.00 | 31.28 0.81 0.00 | 31.95 0.84 0.00 | 25.32 0.47 0.00 |
| CHAUTAUQUA___LFGE 323629 | 11.63 -1.13 1.66 | 10.74 -1.05 1.48 | 11.30 -1.01 1.03 | 11.66 -0.90 1.26 | 12.69 -0.86 1.74 | 14.32 -0.95 1.13 | 18.51 -1.38 2.40 | 18.24 -1.57 3.24 | 16.63 -1.99 7.52 | 18.36 -1.78 5.51 | 18.55 -1.60 5.20 | 26.51 -1.66 2.08 | 25.44 -1.19 1.79 | 23.27 -1.08 1.93 | 20.57 -0.94 4.18 | 22.52 -1.09 5.25 | 28.87 -1.07 2.75 | 25.90 -1.52 2.47 | 27.96 -1.68 2.98 | 25.24 -1.83 2.50 | 23.83 -1.18 3.59 | 24.84 -1.21 4.43 | 16.66 -1.18 13.27 | 8.16 -0.49 16.20 |
| CHERRYST_13_KV_LD 356241 | 15.25 0.84 0.00 | 14.00 0.73 0.00 | 14.06 0.72 0.00 | 14.55 0.73 0.00 | 16.07 0.78 0.00 | 17.19 0.79 0.00 | 23.37 1.07 0.00 | 24.37 1.32 0.00 | 27.72 1.57 0.00 | 27.26 1.61 0.00 | 26.82 1.48 0.00 | 31.96 1.71 0.00 | 30.10 1.68 0.00 | 27.97 1.69 0.00 | 27.29 1.61 0.00 | 30.57 1.72 0.00 | 34.55 1.87 0.00 | 31.99 2.10 0.00 | 34.79 2.17 0.00 | 31.47 1.90 0.00 | 30.23 1.62 0.00 | 31.76 1.29 0.00 | 32.21 1.11 0.00 | 25.78 0.93 0.00 |

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| CHESTROR_138KV_BK263 355645 | 15.18 0.77 0.00 | 13.95 0.68 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.04 0.75 0.00 | 17.18 0.77 0.00 | 23.34 1.05 0.00 | 24.26 1.22 0.00 | 27.56 1.41 0.00 | 27.08 1.43 0.00 | 26.62 1.28 0.00 | 31.74 1.49 0.00 | 29.85 1.44 0.00 | 27.71 1.43 0.00 | 27.04 1.35 0.00 | 30.31 1.46 0.00 | 34.31 1.62 0.00 | 31.76 1.86 0.00 | 34.62 2.01 0.00 | 31.28 1.71 0.00 | 30.08 1.47 0.00 | 31.69 1.22 0.00 | 32.19 1.08 0.00 | 25.77 0.92 0.00 |
| CH_MIDHUDSON___DRP 24192 | 15.16 0.75 0.00 | 13.96 0.69 0.00 | 14.03 0.69 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.19 0.78 0.00 | 23.32 1.02 0.00 | 24.21 1.17 0.00 | 27.50 1.36 0.00 | 27.01 1.36 0.00 | 26.53 1.19 0.00 | 31.57 1.32 0.00 | 29.69 1.28 0.00 | 27.53 1.25 0.00 | 26.87 1.19 0.00 | 30.14 1.29 0.00 | 34.14 1.46 0.00 | 31.62 1.72 0.00 | 34.51 1.89 0.00 | 31.20 1.62 0.00 | 29.99 1.39 0.00 | 31.62 1.14 0.00 | 32.10 0.98 0.00 | 25.70 0.85 0.00 |
| CH_MISC_IPPS 23765 | 15.25 0.84 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.12 0.83 0.00 | 17.28 0.88 0.00 | 23.47 1.17 0.00 | 24.37 1.33 0.00 | 27.65 1.51 0.00 | 27.10 1.45 0.00 | 26.56 1.23 0.00 | 31.54 1.30 0.00 | 29.61 1.20 0.00 | 27.45 1.16 0.00 | 26.79 1.11 0.00 | 30.04 1.19 0.00 | 34.03 1.35 0.00 | 31.69 1.79 0.00 | 34.79 2.17 0.00 | 31.45 1.88 0.00 | 30.23 1.63 0.00 | 31.86 1.38 0.00 | 32.33 1.22 0.00 | 25.89 1.03 0.00 |
| CH_RES_BVR_FALLS 23983 | 13.95 -0.46 0.00 | 11.02 -0.46 1.79 | 8.57 -0.46 4.31 | 13.14 -0.47 0.21 | 14.80 -0.48 0.00 | 15.95 -0.45 0.00 | 21.78 -0.52 0.00 | 22.59 -0.45 0.00 | 25.61 -0.54 0.00 | 25.11 -0.54 0.00 | 24.95 -0.39 0.00 | 29.88 -0.37 0.00 | 28.09 -0.32 0.00 | 25.94 -0.34 0.00 | 25.29 -0.40 0.00 | 28.41 -0.44 0.00 | 32.19 -0.50 0.00 | 29.27 -0.63 0.00 | 31.88 -0.73 0.00 | 28.98 -0.59 0.00 | 28.05 -0.56 0.00 | 30.08 -0.40 0.00 | 31.00 -0.10 0.00 | 24.82 -0.03 0.00 |
| CH_RES_NIAGARA 23895 | 11.62 -1.44 1.35 | 10.77 -1.30 1.21 | 11.12 -1.38 0.84 | 11.53 -1.26 1.03 | 12.67 -1.19 1.42 | 14.13 -1.35 0.92 | 18.30 -2.03 1.97 | 18.02 -2.38 2.65 | 17.26 -2.74 6.15 | 18.57 -2.57 4.50 | 18.45 -2.64 4.25 | 25.29 -3.26 1.71 | 24.09 -2.87 1.46 | 22.09 -2.61 1.58 | 19.90 -2.37 3.42 | 21.98 -2.58 4.29 | 27.45 -2.99 2.25 | 24.61 -3.26 2.02 | 26.77 -3.41 2.43 | 24.21 -3.32 2.04 | 22.98 -2.68 2.94 | 23.91 -2.94 3.62 | 17.61 -2.65 10.85 | 10.13 -1.47 13.25 |
| CH_RES_SYRACUSE 23985 | 14.36 -0.05 0.00 | 13.24 -0.03 0.00 | 13.29 -0.05 0.00 | 13.79 -0.03 0.00 | 15.26 -0.03 0.00 | 16.34 -0.07 0.00 | 22.09 -0.21 0.00 | 22.83 -0.21 0.00 | 25.89 -0.26 0.00 | 25.42 -0.23 0.00 | 25.11 -0.23 0.00 | 30.00 -0.25 0.00 | 28.22 -0.19 0.00 | 26.12 -0.16 0.00 | 25.55 -0.14 0.00 | 28.68 -0.17 0.00 | 32.49 -0.19 0.00 | 29.75 -0.15 0.00 | 32.52 -0.10 0.00 | 29.36 -0.21 0.00 | 28.41 -0.20 0.00 | 30.18 -0.30 0.00 | 30.78 -0.33 0.00 | 24.68 -0.17 0.00 |
| CLINTON_WT_PWR 323605 | -0.72 -0.82 14.31 | -21.31 -0.77 33.81 | -21.07 -0.74 33.67 | -15.41 -0.78 28.45 | 2.60 -0.84 11.84 | 15.71 -0.69 0.00 | 21.49 -0.81 0.00 | 22.17 -0.87 0.00 | 25.44 -0.71 0.00 | 25.42 -0.23 0.00 | 25.28 -0.06 0.00 | 30.24 -0.01 0.00 | 28.51 0.10 0.00 | 26.22 -0.05 0.00 | 25.61 -0.07 0.00 | 28.80 -0.06 0.00 | 32.63 -0.05 0.00 | 29.07 -0.83 0.00 | 31.92 -0.70 0.00 | 29.31 -0.26 0.00 | 28.66 0.05 0.00 | 31.23 0.76 0.00 | 31.92 0.80 0.00 | 25.29 0.44 0.00 |
| CLINTON___LFGE 323618 | -0.83 -0.65 14.59 | -21.79 -0.61 34.45 | -21.52 -0.60 34.26 | -15.82 -0.64 29.01 | 2.53 -0.69 12.07 | 15.89 -0.51 0.00 | 21.74 -0.56 0.00 | 22.45 -0.59 0.00 | 25.72 -0.42 0.00 | 25.69 0.04 0.00 | 25.50 0.16 0.00 | 30.48 0.23 0.00 | 28.78 0.36 0.00 | 26.50 0.22 0.00 | 25.88 0.19 0.00 | 29.11 0.26 0.00 | 32.98 0.30 0.00 | 29.31 -0.58 0.00 | 32.16 -0.46 0.00 | 29.62 0.05 0.00 | 28.97 0.37 0.00 | 31.61 1.13 0.00 | 32.30 1.19 0.00 | 25.62 0.77 0.00 |
| COBBLENY_34_KV_TB1 80064 | 12.40 -0.94 1.07 | 12.27 -0.85 0.15 | 12.42 -0.91 0.00 | 13.05 -0.77 0.00 | 14.61 -0.67 0.00 | 15.60 -0.80 0.00 | 21.03 -1.27 0.00 | 21.58 -1.47 0.00 | 24.42 -1.73 0.00 | 24.09 -1.56 0.00 | 23.77 -1.57 0.00 | 28.46 -1.79 0.00 | 26.97 -1.45 0.00 | 24.96 -1.32 0.00 | 24.59 -1.09 0.00 | 27.60 -1.25 0.00 | 31.37 -1.31 0.00 | 28.17 -1.73 0.00 | 30.85 -1.76 0.00 | 27.71 -1.86 0.00 | 27.21 -1.39 0.00 | 28.95 -1.53 0.00 | 29.75 -1.36 0.00 | 24.31 -0.54 0.00 |
| COFFEEN___115KV_TB3 355620 | 14.30 -0.69 -0.57 | 13.73 -0.63 -1.10 | 13.41 -0.65 -0.72 | 14.25 -0.68 -1.11 | 15.11 -0.65 -0.47 | 15.71 -0.70 0.00 | 21.44 -0.86 0.00 | 22.14 -0.91 0.00 | 24.87 -1.27 0.00 | 24.50 -1.15 0.00 | 24.53 -0.81 0.00 | 29.45 -0.80 0.00 | 27.77 -0.65 0.00 | 25.41 -0.87 0.00 | 24.81 -0.87 0.00 | 28.11 -0.74 0.00 | 31.82 -0.86 0.00 | 29.63 -0.26 0.00 | 32.49 -0.13 0.00 | 29.43 -0.14 0.00 | 28.48 -0.12 0.00 | 30.39 -0.08 0.00 | 31.27 0.16 0.00 | 24.99 0.14 0.00 |
| COLDSPRG_115KV_BK1 355956 | 12.58 -0.55 1.28 | 12.57 -0.53 0.17 | 12.88 -0.45 0.00 | 13.49 -0.33 0.00 | 15.04 -0.24 0.00 | 16.11 -0.29 0.00 | 21.82 -0.48 0.00 | 22.39 -0.65 0.00 | 25.23 -0.92 0.00 | 24.92 -0.73 0.00 | 24.79 -0.55 0.00 | 29.93 -0.32 0.00 | 28.50 0.08 0.00 | 26.39 0.11 0.00 | 25.94 0.26 0.00 | 29.08 0.23 0.00 | 32.96 0.27 0.00 | 29.64 -0.25 0.00 | 32.26 -0.36 0.00 | 28.94 -0.63 0.00 | 28.48 -0.12 0.00 | 30.38 -0.10 0.00 | 31.16 0.05 0.00 | 25.35 0.50 0.00 |
| COLONIE_LFGE___ 323577 | 14.93 0.52 0.00 | 13.80 0.53 0.00 | 13.87 0.53 0.00 | 14.37 0.55 0.00 | 15.87 0.58 0.00 | 17.03 0.63 0.00 | 22.96 0.66 0.00 | 23.72 0.67 0.00 | 26.97 0.82 0.00 | 26.52 0.88 0.00 | 26.00 0.66 0.00 | 31.02 0.77 0.00 | 29.21 0.80 0.00 | 27.00 0.72 0.00 | 26.41 0.72 0.00 | 29.68 0.82 0.00 | 33.66 0.97 0.00 | 30.87 0.98 0.00 | 33.56 0.95 0.00 | 30.37 0.79 0.00 | 29.28 0.68 0.00 | 31.09 0.61 0.00 | 31.54 0.44 0.00 | 25.30 0.45 0.00 |
| COOPERNY_115KV_TB1 80082 | 14.81 0.40 0.00 | 13.63 0.36 0.00 | 13.70 0.36 0.00 | 14.20 0.38 0.00 | 15.69 0.41 0.00 | 16.82 0.41 0.00 | 22.83 0.53 0.00 | 23.67 0.63 0.00 | 26.86 0.71 0.00 | 26.38 0.73 0.00 | 25.99 0.66 0.00 | 31.02 0.76 0.00 | 29.18 0.76 0.00 | 27.04 0.76 0.00 | 26.41 0.73 0.00 | 29.63 0.78 0.00 | 33.55 0.86 0.00 | 30.89 1.00 0.00 | 33.69 1.07 0.00 | 30.47 0.89 0.00 | 29.36 0.76 0.00 | 31.06 0.58 0.00 | 31.62 0.51 0.00 | 25.31 0.46 0.00 |
| COPENHAGEN_WT_PWR 323753 | 14.06 -0.89 -0.54 | 13.50 -0.81 -1.04 | 13.19 -0.83 -0.68 | 13.99 -0.88 -1.05 | 14.87 -0.86 -0.45 | 15.47 -0.93 0.00 | 21.06 -1.24 0.00 | 21.75 -1.29 0.00 | 24.48 -1.67 0.00 | 24.31 -1.34 0.00 | 24.41 -0.93 0.00 | 29.27 -0.98 0.00 | 27.71 -0.71 0.00 | 25.40 -0.88 0.00 | 24.80 -0.89 0.00 | 28.11 -0.74 0.00 | 31.76 -0.93 0.00 | 29.40 -0.49 0.00 | 32.10 -0.51 0.00 | 29.04 -0.53 0.00 | 28.10 -0.50 0.00 | 30.06 -0.41 0.00 | 31.04 -0.07 0.00 | 24.84 -0.01 0.00 |
| CORNELL_____ 23752 | 19.52 0.11 -4.99 | 14.08 0.13 -0.68 | 13.44 0.11 0.00 | 13.97 0.14 0.00 | 15.51 0.22 0.00 | 16.59 0.19 0.00 | 22.52 0.22 0.00 | 23.36 0.32 0.00 | 26.33 0.19 0.00 | 25.85 0.21 0.00 | 25.56 0.22 0.00 | 30.55 0.30 0.00 | 28.75 0.33 0.00 | 26.62 0.34 0.00 | 26.06 0.38 0.00 | 29.27 0.42 0.00 | 33.17 0.49 0.00 | 30.44 0.54 0.00 | 33.36 0.74 0.00 | 30.07 0.50 0.00 | 29.04 0.44 0.00 | 30.80 0.33 0.00 | 31.36 0.25 0.00 | 25.10 0.24 0.00 |

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| CORONA__69_KV_TB1 355595 | 15.42 1.00 0.00 | 14.17 0.90 0.00 | 14.21 0.87 0.00 | 14.67 0.86 0.00 | 16.20 0.92 0.00 | 17.35 0.95 0.00 | 23.63 1.34 0.00 | 24.55 1.51 0.00 | 28.03 1.88 0.00 | 27.53 1.88 0.00 | 27.14 1.81 0.00 | 32.33 2.08 0.00 | 30.37 1.96 0.00 | 28.32 2.04 0.00 | 27.63 1.95 0.00 | 30.88 2.02 0.00 | 34.88 2.20 0.00 | 32.19 2.29 0.00 | 35.07 2.46 0.00 | 31.74 2.17 0.00 | 30.57 1.97 0.00 | 32.22 1.74 0.00 | 32.64 1.53 0.00 | 26.11 1.26 0.00 |
| CORTLAND__115KV_TB3 80093 | 15.81 0.06 -1.33 | 13.53 0.08 -0.18 | 13.41 0.07 0.00 | 13.92 0.10 0.00 | 15.43 0.14 0.00 | 16.51 0.11 0.00 | 22.40 0.10 0.00 | 23.14 0.09 0.00 | 26.10 -0.05 0.00 | 25.64 -0.01 0.00 | 25.36 0.03 0.00 | 30.30 0.04 0.00 | 28.52 0.10 0.00 | 26.40 0.12 0.00 | 25.85 0.16 0.00 | 29.02 0.17 0.00 | 32.87 0.19 0.00 | 30.13 0.24 0.00 | 32.99 0.37 0.00 | 29.74 0.17 0.00 | 28.73 0.12 0.00 | 30.47 -0.01 0.00 | 31.04 -0.07 0.00 | 24.85 0.00 0.00 |
| COXSACKIE__GT 23611 | 15.49 1.08 0.00 | 14.32 1.05 0.00 | 14.39 1.05 0.00 | 14.94 1.12 0.00 | 16.52 1.24 0.00 | 17.76 1.35 0.00 | 24.09 1.79 0.00 | 24.96 1.92 0.00 | 28.42 2.27 0.00 | 27.93 2.29 0.00 | 27.42 2.08 0.00 | 32.70 2.45 0.00 | 30.72 2.30 0.00 | 28.41 2.13 0.00 | 27.79 2.11 0.00 | 31.29 2.44 0.00 | 35.59 2.91 0.00 | 32.68 2.78 0.00 | 35.61 3.00 0.00 | 32.09 2.52 0.00 | 30.88 2.27 0.00 | 32.69 2.22 0.00 | 33.12 2.01 0.00 | 26.47 1.62 0.00 |
| CPV_VALLEY__CC1 323721 | 14.98 0.56 0.00 | 13.77 0.50 0.00 | 13.84 0.50 0.00 | 14.33 0.51 0.00 | 15.83 0.54 0.00 | 16.96 0.55 0.00 | 23.02 0.72 0.00 | 23.91 0.87 0.00 | 27.15 1.00 0.00 | 26.66 1.01 0.00 | 26.23 0.90 0.00 | 31.28 1.02 0.00 | 29.43 1.01 0.00 | 27.30 1.02 0.00 | 26.65 0.96 0.00 | 29.87 1.02 0.00 | 33.82 1.14 0.00 | 31.24 1.34 0.00 | 34.05 1.43 0.00 | 30.78 1.21 0.00 | 29.62 1.01 0.00 | 31.26 0.78 0.00 | 31.77 0.66 0.00 | 25.45 0.60 0.00 |
| CPV_VALLEY__CC2 323722 | 14.98 0.56 0.00 | 13.77 0.50 0.00 | 13.84 0.50 0.00 | 14.33 0.51 0.00 | 15.83 0.54 0.00 | 16.96 0.55 0.00 | 23.02 0.72 0.00 | 23.91 0.87 0.00 | 27.15 1.00 0.00 | 26.66 1.01 0.00 | 26.23 0.90 0.00 | 31.28 1.02 0.00 | 29.43 1.01 0.00 | 27.30 1.02 0.00 | 26.65 0.96 0.00 | 29.87 1.02 0.00 | 33.82 1.14 0.00 | 31.24 1.34 0.00 | 34.05 1.43 0.00 | 30.78 1.21 0.00 | 29.62 1.01 0.00 | 31.26 0.78 0.00 | 31.77 0.66 0.00 | 25.45 0.60 0.00 |
| CRESCENT__HYD 24018 | 14.93 0.52 0.00 | 13.80 0.53 0.00 | 13.87 0.53 0.00 | 14.37 0.55 0.00 | 15.87 0.58 0.00 | 17.03 0.63 0.00 | 22.96 0.66 0.00 | 23.72 0.67 0.00 | 26.97 0.82 0.00 | 26.52 0.88 0.00 | 26.00 0.66 0.00 | 31.02 0.77 0.00 | 29.21 0.80 0.00 | 27.00 0.72 0.00 | 26.41 0.72 0.00 | 29.68 0.82 0.00 | 33.66 0.97 0.00 | 30.87 0.98 0.00 | 33.56 0.95 0.00 | 30.37 0.79 0.00 | 29.28 0.68 0.00 | 31.09 0.61 0.00 | 31.54 0.44 0.00 | 25.30 0.45 0.00 |
| CRICKET__VALLEY_CC1 323756 | 15.06 0.64 0.00 | 13.89 0.62 0.00 | 13.96 0.62 0.00 | 14.46 0.64 0.00 | 15.95 0.66 0.00 | 17.11 0.71 0.00 | 23.15 0.85 0.00 | 24.00 0.96 0.00 | 27.27 1.13 0.00 | 26.81 1.16 0.00 | 26.30 0.96 0.00 | 31.31 1.06 0.00 | 29.46 1.04 0.00 | 27.30 1.02 0.00 | 26.65 0.96 0.00 | 29.91 1.06 0.00 | 33.90 1.21 0.00 | 31.31 1.42 0.00 | 34.09 1.47 0.00 | 30.80 1.23 0.00 | 29.60 1.00 0.00 | 31.22 0.74 0.00 | 31.69 0.58 0.00 | 25.42 0.57 0.00 |
| CRICKET__VALLEY_CC2 323757 | 15.06 0.64 0.00 | 13.89 0.62 0.00 | 13.96 0.62 0.00 | 14.46 0.64 0.00 | 15.95 0.66 0.00 | 17.11 0.71 0.00 | 23.15 0.85 0.00 | 24.00 0.96 0.00 | 27.27 1.13 0.00 | 26.81 1.16 0.00 | 26.30 0.96 0.00 | 31.31 1.06 0.00 | 29.46 1.04 0.00 | 27.30 1.02 0.00 | 26.65 0.96 0.00 | 29.91 1.06 0.00 | 33.90 1.21 0.00 | 31.31 1.42 0.00 | 34.09 1.47 0.00 | 30.80 1.23 0.00 | 29.60 1.00 0.00 | 31.22 0.74 0.00 | 31.69 0.58 0.00 | 25.42 0.57 0.00 |
| CRICKET__VALLEY_CC3 323758 | 15.06 0.64 0.00 | 13.89 0.62 0.00 | 13.96 0.62 0.00 | 14.46 0.64 0.00 | 15.95 0.66 0.00 | 17.11 0.71 0.00 | 23.15 0.85 0.00 | 24.00 0.96 0.00 | 27.27 1.13 0.00 | 26.81 1.16 0.00 | 26.30 0.96 0.00 | 31.31 1.06 0.00 | 29.46 1.04 0.00 | 27.30 1.02 0.00 | 26.65 0.96 0.00 | 29.91 1.06 0.00 | 33.90 1.21 0.00 | 31.31 1.42 0.00 | 34.09 1.47 0.00 | 30.80 1.23 0.00 | 29.60 1.00 0.00 | 31.22 0.74 0.00 | 31.69 0.58 0.00 | 25.42 0.57 0.00 |
| CRUCIBLE__METL_DRP 24180 | 14.36 -0.05 0.00 | 13.24 -0.03 0.00 | 13.29 -0.05 0.00 | 13.79 -0.03 0.00 | 15.26 -0.03 0.00 | 16.33 -0.07 0.00 | 22.09 -0.21 0.00 | 22.83 -0.21 0.00 | 25.88 -0.26 0.00 | 25.42 -0.22 0.00 | 25.11 -0.23 0.00 | 30.00 -0.25 0.00 | 28.22 -0.19 0.00 | 26.12 -0.16 0.00 | 25.55 -0.14 0.00 | 28.68 -0.17 0.00 | 32.49 -0.19 0.00 | 29.74 -0.15 0.00 | 32.52 -0.10 0.00 | 29.35 -0.22 0.00 | 28.40 -0.20 0.00 | 30.18 -0.30 0.00 | 30.78 -0.33 0.00 | 24.68 -0.17 0.00 |
| DAHOWA__HYDRO 323763 | 15.02 0.61 0.00 | 13.84 0.57 0.00 | 13.92 0.58 0.00 | 14.43 0.61 0.00 | 15.95 0.66 0.00 | 17.15 0.75 0.00 | 23.17 0.87 0.00 | 23.89 0.84 0.00 | 27.16 1.02 0.00 | 26.72 1.08 0.00 | 26.18 0.84 0.00 | 31.38 1.12 0.00 | 29.59 1.18 0.00 | 27.41 1.13 0.00 | 26.80 1.11 0.00 | 30.08 1.23 0.00 | 34.21 1.53 0.00 | 31.48 1.58 0.00 | 34.23 1.62 0.00 | 30.94 1.37 0.00 | 29.82 1.21 0.00 | 31.64 1.17 0.00 | 32.03 0.92 0.00 | 25.65 0.80 0.00 |
| DANC__LFGE 323619 | 14.15 -0.63 -0.38 | 13.42 -0.57 -0.72 | 13.23 -0.59 -0.48 | 13.93 -0.61 -0.73 | 14.98 -0.61 -0.31 | 15.72 -0.68 0.00 | 21.34 -0.95 0.00 | 22.04 -1.00 0.00 | 24.85 -1.30 0.00 | 24.54 -1.10 0.00 | 24.47 -0.87 0.00 | 29.32 -0.93 0.00 | 27.69 -0.73 0.00 | 25.47 -0.81 0.00 | 24.87 -0.82 0.00 | 28.08 -0.77 0.00 | 31.75 -0.93 0.00 | 29.30 -0.60 0.00 | 32.01 -0.60 0.00 | 28.92 -0.65 0.00 | 27.99 -0.61 0.00 | 29.87 -0.60 0.00 | 30.72 -0.39 0.00 | 24.59 -0.26 0.00 |
| DANSKAMMER__1 23586 | 15.25 0.84 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.12 0.83 0.00 | 17.28 0.88 0.00 | 23.47 1.17 0.00 | 24.37 1.33 0.00 | 27.65 1.51 0.00 | 27.10 1.45 0.00 | 26.56 1.23 0.00 | 31.54 1.30 0.00 | 29.61 1.20 0.00 | 27.45 1.16 0.00 | 26.79 1.11 0.00 | 30.04 1.19 0.00 | 34.03 1.35 0.00 | 31.69 1.79 0.00 | 34.79 2.17 0.00 | 31.45 1.88 0.00 | 30.23 1.63 0.00 | 31.86 1.38 0.00 | 32.33 1.22 0.00 | 25.89 1.03 0.00 |
| DANSKAMMER__2 23589 | 15.25 0.84 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.12 0.83 0.00 | 17.28 0.88 0.00 | 23.47 1.17 0.00 | 24.37 1.33 0.00 | 27.65 1.51 0.00 | 27.10 1.45 0.00 | 26.56 1.23 0.00 | 31.54 1.30 0.00 | 29.61 1.20 0.00 | 27.45 1.16 0.00 | 26.79 1.11 0.00 | 30.04 1.19 0.00 | 34.03 1.35 0.00 | 31.69 1.79 0.00 | 34.79 2.17 0.00 | 31.45 1.88 0.00 | 30.23 1.63 0.00 | 31.86 1.38 0.00 | 32.33 1.22 0.00 | 25.89 1.03 0.00 |
| DANSKAMMER__3 23590 | 15.25 0.84 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.12 0.83 0.00 | 17.28 0.88 0.00 | 23.47 1.17 0.00 | 24.37 1.33 0.00 | 27.65 1.51 0.00 | 27.10 1.45 0.00 | 26.56 1.23 0.00 | 31.54 1.30 0.00 | 29.61 1.20 0.00 | 27.45 1.16 0.00 | 26.79 1.11 0.00 | 30.04 1.19 0.00 | 34.03 1.35 0.00 | 31.69 1.79 0.00 | 34.79 2.17 0.00 | 31.45 1.88 0.00 | 30.23 1.63 0.00 | 31.86 1.38 0.00 | 32.33 1.22 0.00 | 25.89 1.03 0.00 |

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| DANSKAMMER___4 23591 | 15.25 0.84 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.12 0.83 0.00 | 17.28 0.88 0.00 | 23.47 1.17 0.00 | 24.37 1.33 0.00 | 27.65 1.51 0.00 | 27.10 1.45 0.00 | 26.56 1.23 0.00 | 31.54 1.30 0.00 | 29.61 1.20 0.00 | 27.45 1.16 0.00 | 26.79 1.11 0.00 | 30.04 1.19 0.00 | 34.03 1.35 0.00 | 31.69 1.79 0.00 | 34.79 2.17 0.00 | 31.45 1.88 0.00 | 30.23 1.63 0.00 | 31.86 1.38 0.00 | 32.33 1.22 0.00 | 25.89 1.03 0.00 |
| DANSKAMMER___DIESEL 23592 | 15.25 0.84 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.12 0.84 0.00 | 17.28 0.88 0.00 | 23.47 1.17 0.00 | 24.37 1.33 0.00 | 27.65 1.51 0.00 | 27.10 1.46 0.00 | 26.56 1.22 0.00 | 31.55 1.30 0.00 | 29.61 1.20 0.00 | 27.45 1.17 0.00 | 26.79 1.10 0.00 | 30.04 1.19 0.00 | 34.02 1.34 0.00 | 31.70 1.80 0.00 | 34.79 2.17 0.00 | 31.45 1.88 0.00 | 30.24 1.63 0.00 | 31.86 1.38 0.00 | 32.33 1.22 0.00 | 25.88 1.03 0.00 |
| DARBY___SOLAR 323810 | 15.01 0.59 0.00 | 13.83 0.56 0.00 | 13.91 0.57 0.00 | 14.42 0.60 0.00 | 15.93 0.65 0.00 | 17.12 0.72 0.00 | 23.12 0.82 0.00 | 23.83 0.78 0.00 | 27.10 0.95 0.00 | 26.66 1.01 0.00 | 26.12 0.78 0.00 | 31.30 1.05 0.00 | 29.53 1.12 0.00 | 27.34 1.06 0.00 | 26.74 1.05 0.00 | 30.01 1.16 0.00 | 34.12 1.44 0.00 | 31.38 1.49 0.00 | 34.12 1.51 0.00 | 30.84 1.27 0.00 | 29.74 1.14 0.00 | 31.55 1.07 0.00 | 31.96 0.86 0.00 | 25.60 0.75 0.00 |
| DASHVILLE___HYD 23610 | 15.12 0.70 0.00 | 13.90 0.63 0.00 | 13.97 0.63 0.00 | 14.45 0.63 0.00 | 15.95 0.67 0.00 | 17.09 0.69 0.00 | 23.21 0.91 0.00 | 24.13 1.09 0.00 | 27.42 1.27 0.00 | 26.92 1.28 0.00 | 26.46 1.12 0.00 | 31.49 1.24 0.00 | 29.62 1.21 0.00 | 27.49 1.21 0.00 | 26.81 1.13 0.00 | 30.06 1.21 0.00 | 34.04 1.35 0.00 | 31.57 1.68 0.00 | 34.46 1.84 0.00 | 31.15 1.57 0.00 | 29.93 1.33 0.00 | 31.51 1.03 0.00 | 31.99 0.88 0.00 | 25.61 0.75 0.00 |
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 15.58 1.17 0.00 | 14.35 1.08 0.00 | 14.37 1.03 0.00 | 14.82 0.99 0.00 | 16.32 1.04 0.00 | 17.52 1.12 0.00 | 24.00 1.71 0.00 | 24.74 1.70 0.00 | 28.57 2.42 0.00 | 27.77 2.13 0.00 | 27.42 2.09 0.00 | 32.71 2.46 0.00 | 30.58 2.16 0.00 | 28.60 2.32 0.00 | 27.93 2.25 0.00 | 31.21 2.36 0.00 | 35.38 2.70 0.00 | 32.77 2.87 0.00 | 35.55 2.94 0.00 | 32.22 2.65 0.00 | 30.81 2.21 0.00 | 32.50 2.02 0.00 | 32.81 1.70 0.00 | 26.09 1.24 0.00 |
| DELAWARE___LFGE 323621 | 14.73 0.32 0.00 | 13.58 0.31 0.00 | 13.66 0.32 0.00 | 14.16 0.34 0.00 | 15.69 0.40 0.00 | 16.77 0.36 0.00 | 22.79 0.49 0.00 | 23.59 0.54 0.00 | 26.73 0.58 0.00 | 26.25 0.60 0.00 | 25.92 0.58 0.00 | 30.97 0.72 0.00 | 29.14 0.73 0.00 | 26.96 0.68 0.00 | 26.37 0.68 0.00 | 29.60 0.75 0.00 | 33.57 0.89 0.00 | 30.82 0.92 0.00 | 33.65 1.04 0.00 | 30.42 0.85 0.00 | 29.35 0.75 0.00 | 31.10 0.62 0.00 | 31.69 0.58 0.00 | 25.37 0.52 0.00 |
| DERFIELD_115KV_TB7 355931 | 14.51 0.10 0.00 | 13.42 0.09 -0.06 | 13.57 0.09 -0.14 | 13.93 0.10 -0.01 | 15.39 0.11 0.00 | 16.50 0.10 0.00 | 22.41 0.11 0.00 | 23.18 0.14 0.00 | 26.31 0.17 0.00 | 25.82 0.17 0.00 | 25.47 0.13 0.00 | 30.41 0.15 0.00 | 28.59 0.17 0.00 | 26.44 0.16 0.00 | 25.84 0.16 0.00 | 29.02 0.17 0.00 | 32.90 0.22 0.00 | 30.15 0.26 0.00 | 32.87 0.26 0.00 | 29.78 0.21 0.00 | 28.75 0.14 0.00 | 30.56 0.09 0.00 | 31.16 0.05 0.00 | 24.92 0.07 0.00 |
| DOGLEVILLE___HYD 23807 | 14.41 0.00 0.00 | 13.39 0.06 -0.06 | 13.54 0.06 -0.14 | 13.90 0.07 -0.01 | 15.38 0.10 0.00 | 16.51 0.11 0.00 | 22.35 0.05 0.00 | 23.19 0.15 0.00 | 26.36 0.21 0.00 | 25.96 0.32 0.00 | 25.37 0.03 0.00 | 30.27 0.01 0.00 | 28.48 0.06 0.00 | 26.36 0.08 0.00 | 25.65 -0.04 0.00 | 28.91 0.06 0.00 | 32.95 0.27 0.00 | 30.25 0.36 0.00 | 33.17 0.55 0.00 | 29.93 0.35 0.00 | 28.79 0.19 0.00 | 30.46 -0.01 0.00 | 30.78 -0.33 0.00 | 24.61 -0.24 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 12.26 -1.11 1.05 | 12.09 -1.04 0.14 | 12.34 -1.00 0.00 | 12.93 -0.89 0.00 | 14.44 -0.84 0.00 | 15.46 -0.95 0.00 | 20.91 -1.39 0.00 | 21.48 -1.56 0.00 | 24.16 -1.98 0.00 | 23.88 -1.77 0.00 | 23.74 -1.61 0.00 | 28.57 -1.69 0.00 | 27.17 -1.24 0.00 | 25.15 -1.12 0.00 | 24.72 -0.96 0.00 | 27.72 -1.13 0.00 | 31.57 -1.12 0.00 | 28.32 -1.58 0.00 | 30.91 -1.71 0.00 | 27.70 -1.88 0.00 | 27.35 -1.26 0.00 | 29.20 -1.27 0.00 | 29.85 -1.26 0.00 | 24.29 -0.56 0.00 |
| DUNKIRK___1 23563 | 12.26 -1.11 1.05 | 12.09 -1.04 0.14 | 12.34 -1.00 0.00 | 12.93 -0.89 0.00 | 14.44 -0.84 0.00 | 15.46 -0.95 0.00 | 20.91 -1.39 0.00 | 21.48 -1.56 0.00 | 24.16 -1.98 0.00 | 23.88 -1.77 0.00 | 23.74 -1.61 0.00 | 28.57 -1.69 0.00 | 27.17 -1.24 0.00 | 25.15 -1.12 0.00 | 24.72 -0.96 0.00 | 27.72 -1.13 0.00 | 31.57 -1.12 0.00 | 28.32 -1.58 0.00 | 30.91 -1.71 0.00 | 27.70 -1.88 0.00 | 27.35 -1.26 0.00 | 29.20 -1.27 0.00 | 29.85 -1.26 0.00 | 24.29 -0.56 0.00 |
| DUNKIRK___2 23564 | 12.26 -1.11 1.05 | 12.09 -1.04 0.14 | 12.34 -1.00 0.00 | 12.93 -0.89 0.00 | 14.44 -0.84 0.00 | 15.46 -0.95 0.00 | 20.91 -1.39 0.00 | 21.48 -1.56 0.00 | 24.16 -1.98 0.00 | 23.88 -1.77 0.00 | 23.74 -1.61 0.00 | 28.57 -1.69 0.00 | 27.17 -1.24 0.00 | 25.15 -1.12 0.00 | 24.72 -0.96 0.00 | 27.72 -1.13 0.00 | 31.57 -1.12 0.00 | 28.32 -1.58 0.00 | 30.91 -1.71 0.00 | 27.70 -1.88 0.00 | 27.35 -1.26 0.00 | 29.20 -1.27 0.00 | 29.85 -1.26 0.00 | 24.29 -0.56 0.00 |
| DUNKIRK___3 23565 | 12.33 -1.07 1.02 | 12.15 -0.98 0.14 | 12.36 -0.98 0.00 | 12.96 -0.86 0.00 | 14.49 -0.79 0.00 | 15.48 -0.92 0.00 | 20.91 -1.39 0.00 | 21.49 -1.55 0.00 | 24.20 -1.95 0.00 | 23.91 -1.73 0.00 | 23.72 -1.62 0.00 | 28.51 -1.74 0.00 | 27.08 -1.34 0.00 | 25.07 -1.21 0.00 | 24.64 -1.04 0.00 | 27.65 -1.21 0.00 | 31.44 -1.24 0.00 | 28.23 -1.66 0.00 | 30.86 -1.76 0.00 | 27.66 -1.92 0.00 | 27.23 -1.37 0.00 | 29.06 -1.42 0.00 | 29.77 -1.34 0.00 | 24.24 -0.61 0.00 |
| DUNKIRK___4 23566 | 12.33 -1.07 1.02 | 12.15 -0.98 0.14 | 12.36 -0.98 0.00 | 12.96 -0.86 0.00 | 14.49 -0.79 0.00 | 15.48 -0.92 0.00 | 20.91 -1.39 0.00 | 21.49 -1.55 0.00 | 24.20 -1.95 0.00 | 23.91 -1.73 0.00 | 23.72 -1.62 0.00 | 28.51 -1.74 0.00 | 27.08 -1.34 0.00 | 25.07 -1.21 0.00 | 24.64 -1.04 0.00 | 27.65 -1.21 0.00 | 31.44 -1.24 0.00 | 28.23 -1.66 0.00 | 30.86 -1.76 0.00 | 27.66 -1.92 0.00 | 27.23 -1.37 0.00 | 29.06 -1.42 0.00 | 29.77 -1.34 0.00 | 24.24 -0.61 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 15.22 0.81 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.05 0.76 0.00 | 17.18 0.78 0.00 | 23.34 1.05 0.00 | 24.29 1.25 0.00 | 27.62 1.48 0.00 | 27.15 1.50 0.00 | 26.71 1.37 0.00 | 31.83 1.58 0.00 | 29.96 1.54 0.00 | 27.83 1.55 0.00 | 27.15 1.47 0.00 | 30.43 1.57 0.00 | 34.41 1.73 0.00 | 31.85 1.95 0.00 | 34.66 2.05 0.00 | 31.35 1.77 0.00 | 30.13 1.52 0.00 | 31.71 1.23 0.00 | 32.17 1.06 0.00 | 25.76 0.91 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 15.17 0.76 0.00 | 13.94 0.67 0.00 | 14.01 0.67 0.00 | 14.51 0.69 0.00 | 16.03 0.74 0.00 | 17.17 0.77 0.00 | 23.32 1.03 0.00 | 24.23 1.19 0.00 | 27.52 1.37 0.00 | 27.01 1.36 0.00 | 26.53 1.19 0.00 | 31.60 1.34 0.00 | 29.70 1.29 0.00 | 27.55 1.27 0.00 | 26.89 1.21 0.00 | 30.15 1.30 0.00 | 34.14 1.46 0.00 | 31.66 1.76 0.00 | 34.59 1.97 0.00 | 31.26 1.68 0.00 | 30.05 1.44 0.00 | 31.67 1.20 0.00 | 32.16 1.04 0.00 | 25.75 0.90 0.00 |

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|--|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 15.22 0.80 0.00 | 13.95 0.68 0.00 | 14.01 0.67 0.00 | 14.50 0.68 0.00 | 16.00 0.71 0.00 | 17.12 0.72 0.00 | 23.30 1.00 0.00 | 24.28 1.23 0.00 | 27.61 1.47 0.00 | 27.16 1.51 0.00 | 26.73 1.39 0.00 | 31.82 1.57 0.00 | 29.95 1.54 0.00 | 27.85 1.57 0.00 | 27.16 1.47 0.00 | 30.43 1.58 0.00 | 34.35 1.67 0.00 | 31.84 1.94 0.00 | 34.62 2.00 0.00 | 31.34 1.77 0.00 | 30.12 1.51 0.00 | 31.63 1.16 0.00 | 32.10 0.99 0.00 | 25.71 0.86 0.00 |
| E179THST_13_KV_LOAD 356214 | 15.27 0.86 0.00 | 14.00 0.73 0.00 | 14.06 0.72 0.00 | 14.55 0.73 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.39 1.10 0.00 | 24.39 1.34 0.00 | 27.74 1.60 0.00 | 27.28 1.64 0.00 | 26.85 1.51 0.00 | 31.98 1.73 0.00 | 30.12 1.70 0.00 | 27.98 1.70 0.00 | 27.29 1.61 0.00 | 30.57 1.72 0.00 | 34.53 1.84 0.00 | 31.99 2.10 0.00 | 34.80 2.19 0.00 | 31.50 1.93 0.00 | 30.26 1.66 0.00 | 31.78 1.31 0.00 | 32.25 1.14 0.00 | 25.82 0.97 0.00 |
| EAST HAMPTON___GT 23717 | 15.65 1.24 0.00 | 14.41 1.14 0.00 | 14.42 1.08 0.00 | 14.86 1.04 0.00 | 16.36 1.08 0.00 | 17.57 1.17 0.00 | 24.12 1.82 0.00 | 24.91 1.86 0.00 | 28.76 2.61 0.00 | 27.91 2.27 0.00 | 27.51 2.18 0.00 | 32.80 2.55 0.00 | 30.61 2.19 0.00 | 28.60 2.32 0.00 | 27.99 2.31 0.00 | 31.21 2.36 0.00 | 35.38 2.70 0.00 | 32.77 2.88 0.00 | 35.56 2.94 0.00 | 32.21 2.64 0.00 | 30.81 2.21 0.00 | 32.46 1.99 0.00 | 32.75 1.64 0.00 | 26.03 1.18 0.00 |
| EAST RIVER___6 23660 | 15.19 0.77 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.66 0.00 | 15.99 0.70 0.00 | 17.11 0.71 0.00 | 23.26 0.96 0.00 | 24.26 1.22 0.00 | 27.60 1.45 0.00 | 27.12 1.47 0.00 | 26.66 1.32 0.00 | 31.75 1.50 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.16 1.47 0.00 | 30.42 1.57 0.00 | 34.41 1.72 0.00 | 31.89 1.99 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.66 1.18 0.00 | 32.10 0.99 0.00 | 25.69 0.84 0.00 |
| EAST RIVER___7 23524 | 15.19 0.77 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.66 0.00 | 15.99 0.70 0.00 | 17.11 0.71 0.00 | 23.26 0.96 0.00 | 24.26 1.22 0.00 | 27.60 1.45 0.00 | 27.12 1.47 0.00 | 26.66 1.32 0.00 | 31.75 1.50 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.16 1.47 0.00 | 30.42 1.57 0.00 | 34.41 1.72 0.00 | 31.89 1.99 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.66 1.18 0.00 | 32.10 0.99 0.00 | 25.69 0.84 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 15.20 0.79 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.03 0.75 0.00 | 17.17 0.76 0.00 | 23.32 1.03 0.00 | 24.26 1.22 0.00 | 27.58 1.44 0.00 | 27.11 1.46 0.00 | 26.67 1.33 0.00 | 31.79 1.54 0.00 | 29.91 1.49 0.00 | 27.79 1.51 0.00 | 27.11 1.42 0.00 | 30.37 1.52 0.00 | 34.36 1.67 0.00 | 31.80 1.90 0.00 | 34.63 2.01 0.00 | 31.30 1.73 0.00 | 30.08 1.48 0.00 | 31.66 1.19 0.00 | 32.14 1.03 0.00 | 25.74 0.88 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 15.64 1.23 0.00 | 14.40 1.14 0.00 | 14.41 1.07 0.00 | 14.85 1.03 0.00 | 16.35 1.06 0.00 | 17.56 1.16 0.00 | 24.11 1.81 0.00 | 24.90 1.85 0.00 | 28.75 2.60 0.00 | 27.89 2.25 0.00 | 27.49 2.15 0.00 | 32.77 2.52 0.00 | 30.57 2.16 0.00 | 28.56 2.28 0.00 | 27.96 2.27 0.00 | 31.16 2.31 0.00 | 35.32 2.64 0.00 | 32.73 2.83 0.00 | 35.51 2.89 0.00 | 32.16 2.59 0.00 | 30.76 2.16 0.00 | 32.42 1.95 0.00 | 32.70 1.59 0.00 | 25.98 1.13 0.00 |
| EAST_PULASKI___ESR 323781 | 14.06 -0.36 0.00 | 12.88 -0.32 0.07 | 12.83 -0.33 0.17 | 13.48 -0.34 0.01 | 14.94 -0.35 0.00 | 15.99 -0.41 0.00 | 21.66 -0.64 0.00 | 22.37 -0.67 0.00 | 25.27 -0.88 0.00 | 24.84 -0.80 0.00 | 24.60 -0.74 0.00 | 29.46 -0.79 0.00 | 27.74 -0.68 0.00 | 25.60 -0.68 0.00 | 24.99 -0.69 0.00 | 28.08 -0.77 0.00 | 31.79 -0.90 0.00 | 29.23 -0.67 0.00 | 31.96 -0.65 0.00 | 28.86 -0.71 0.00 | 27.94 -0.67 0.00 | 29.77 -0.70 0.00 | 30.50 -0.61 0.00 | 24.43 -0.42 0.00 |
| EAST_RIVER___1 323558 | 15.22 0.81 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.03 0.74 0.00 | 17.15 0.75 0.00 | 23.30 1.01 0.00 | 24.30 1.25 0.00 | 27.64 1.49 0.00 | 27.18 1.53 0.00 | 26.74 1.40 0.00 | 31.87 1.62 0.00 | 30.00 1.58 0.00 | 27.89 1.61 0.00 | 27.20 1.52 0.00 | 30.47 1.62 0.00 | 34.44 1.76 0.00 | 31.90 2.00 0.00 | 34.70 2.08 0.00 | 31.38 1.81 0.00 | 30.15 1.55 0.00 | 31.68 1.21 0.00 | 32.13 1.03 0.00 | 25.72 0.87 0.00 |
| EAST_RIVER___2 323559 | 15.19 0.77 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.49 0.66 0.00 | 15.99 0.70 0.00 | 17.11 0.71 0.00 | 23.26 0.96 0.00 | 24.26 1.22 0.00 | 27.60 1.45 0.00 | 27.12 1.47 0.00 | 26.66 1.32 0.00 | 31.75 1.50 0.00 | 29.94 1.52 0.00 | 27.83 1.55 0.00 | 27.16 1.47 0.00 | 30.42 1.57 0.00 | 34.41 1.72 0.00 | 31.89 1.99 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.66 1.18 0.00 | 32.10 0.99 0.00 | 25.69 0.84 0.00 |
| EAST___DELAWARE_HYD 23607 | 15.08 0.67 0.00 | 13.84 0.57 0.00 | 13.94 0.60 0.00 | 14.45 0.63 0.00 | 15.96 0.68 0.00 | 17.09 0.69 0.00 | 23.29 0.99 0.00 | 24.23 1.19 0.00 | 27.51 1.36 0.00 | 27.02 1.37 0.00 | 26.59 1.25 0.00 | 31.72 1.47 0.00 | 30.33 1.91 0.00 | 28.12 1.84 0.00 | 27.47 1.79 0.00 | 30.83 1.98 0.00 | 34.94 2.26 0.00 | 32.33 2.44 0.00 | 35.36 2.75 0.00 | 31.93 2.36 0.00 | 30.70 2.10 0.00 | 32.34 1.87 0.00 | 32.74 1.63 0.00 | 26.25 1.40 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 10.07 -1.01 3.33 | 12.05 -0.94 0.28 | 12.49 -1.00 -0.15 | 13.29 -0.72 -0.19 | 15.11 -0.43 -0.26 | 15.88 -0.69 -0.17 | 21.93 -0.72 -0.36 | 23.23 -0.36 -0.55 | 27.30 -0.47 -1.62 | 26.51 -0.33 -1.19 | 26.38 -0.08 -1.12 | 30.67 -0.03 -0.45 | 29.00 0.20 -0.39 | 26.90 0.20 -0.42 | 26.79 0.20 -0.90 | 30.10 0.11 -1.13 | 33.23 -0.06 -0.61 | 30.39 -0.06 -0.55 | 33.44 0.16 -0.67 | 29.76 -0.37 -0.56 | 28.98 -0.43 -0.80 | 31.09 -0.38 -0.99 | 33.85 -0.24 -2.97 | 28.62 0.15 -3.63 |
| ELBRIDGE_115KV_TB2 80188 | 14.29 -0.12 0.00 | 13.17 -0.10 0.00 | 13.21 -0.13 0.00 | 13.71 -0.11 0.00 | 15.19 -0.09 0.00 | 16.25 -0.15 0.00 | 21.97 -0.33 0.00 | 22.72 -0.33 0.00 | 25.76 -0.39 0.00 | 25.29 -0.36 0.00 | 24.98 -0.36 0.00 | 29.82 -0.43 0.00 | 28.07 -0.35 0.00 | 25.99 -0.29 0.00 | 25.41 -0.27 0.00 | 28.53 -0.32 0.00 | 32.35 -0.33 0.00 | 29.61 -0.29 0.00 | 32.36 -0.25 0.00 | 29.22 -0.35 0.00 | 28.28 -0.33 0.00 | 30.03 -0.44 0.00 | 30.63 -0.48 0.00 | 24.57 -0.28 0.00 |
| ELEC_TRO_TEK 24086 | 15.36 0.95 0.00 | 14.11 0.84 0.00 | 14.16 0.82 0.00 | 14.63 0.81 0.00 | 16.15 0.86 0.00 | 17.30 0.90 0.00 | 23.56 1.26 0.00 | 24.46 1.42 0.00 | 27.93 1.78 0.00 | 27.42 1.78 0.00 | 27.06 1.72 0.00 | 32.21 1.96 0.00 | 30.28 1.86 0.00 | 28.21 1.93 0.00 | 27.52 1.84 0.00 | 30.77 1.92 0.00 | 34.78 2.10 0.00 | 32.16 2.27 0.00 | 35.03 2.42 0.00 | 31.69 2.12 0.00 | 30.47 1.86 0.00 | 32.07 1.60 0.00 | 32.49 1.38 0.00 | 25.98 1.13 0.00 |
| ELLENBURG_WT_PWR 323604 | -0.72 -0.82 14.31 | -21.31 -0.77 33.81 | -21.07 -0.74 33.67 | -15.41 -0.78 28.45 | 2.60 -0.84 11.84 | 15.71 -0.69 0.00 | 21.49 -0.81 0.00 | 22.17 -0.87 0.00 | 25.44 -0.71 0.00 | 25.42 -0.23 0.00 | 25.28 -0.06 0.00 | 30.24 -0.01 0.00 | 28.51 0.10 0.00 | 26.22 -0.05 0.00 | 25.61 -0.07 0.00 | 28.80 -0.06 0.00 | 32.63 -0.05 0.00 | 29.07 -0.83 0.00 | 31.92 -0.70 0.00 | 29.31 -0.26 0.00 | 28.66 0.05 0.00 | 31.23 0.76 0.00 | 31.92 0.80 0.00 | 25.29 0.44 0.00 |

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| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 12.38 -1.10 0.93 | 12.14 -1.00 0.13 | 12.28 -1.06 0.00 | 12.89 -0.93 0.00 | 14.43 -0.85 0.00 | 15.42 -0.98 0.00 | 20.77 -1.53 0.00 | 21.27 -1.78 0.00 | 24.06 -2.09 0.00 | 23.75 -1.90 0.00 | 23.43 -1.90 0.00 | 28.06 -2.20 0.00 | 26.59 -1.83 0.00 | 24.61 -1.67 0.00 | 24.24 -1.45 0.00 | 27.21 -1.64 0.00 | 30.92 -1.76 0.00 | 27.74 -2.16 0.00 | 30.37 -2.24 0.00 | 27.28 -2.30 0.00 | 26.81 -1.80 0.00 | 28.54 -1.94 0.00 | 29.34 -1.77 0.00 | 23.99 -0.86 0.00 |
| EMPIRE_CC_1 323656 | 14.85 0.44 0.00 | 13.73 0.46 0.00 | 13.80 0.46 0.00 | 14.30 0.48 0.00 | 15.78 0.49 0.00 | 16.92 0.52 0.00 | 22.71 0.41 0.00 | 23.47 0.43 0.00 | 26.70 0.55 0.00 | 26.26 0.62 0.00 | 25.72 0.38 0.00 | 30.64 0.39 0.00 | 28.86 0.44 0.00 | 26.67 0.39 0.00 | 26.08 0.40 0.00 | 29.31 0.45 0.00 | 33.18 0.49 0.00 | 30.45 0.56 0.00 | 33.08 0.46 0.00 | 29.94 0.37 0.00 | 28.88 0.28 0.00 | 30.64 0.17 0.00 | 31.13 0.02 0.00 | 25.01 0.15 0.00 |
| EMPIRE_CC_2 323658 | 14.85 0.44 0.00 | 13.73 0.46 0.00 | 13.80 0.46 0.00 | 14.30 0.48 0.00 | 15.78 0.49 0.00 | 16.92 0.52 0.00 | 22.71 0.41 0.00 | 23.47 0.43 0.00 | 26.70 0.55 0.00 | 26.26 0.62 0.00 | 25.72 0.38 0.00 | 30.64 0.39 0.00 | 28.86 0.44 0.00 | 26.67 0.39 0.00 | 26.08 0.40 0.00 | 29.31 0.45 0.00 | 33.18 0.49 0.00 | 30.45 0.56 0.00 | 33.08 0.46 0.00 | 29.94 0.37 0.00 | 28.88 0.28 0.00 | 30.64 0.17 0.00 | 31.13 0.02 0.00 | 25.01 0.15 0.00 |
| ENORWICH_115KV_TB1 80156 | 16.65 0.48 -1.75 | 14.11 0.60 -0.24 | 13.87 0.53 0.00 | 14.44 0.62 0.00 | 16.13 0.84 0.00 | 17.16 0.76 0.00 | 23.50 1.20 0.00 | 24.37 1.32 0.00 | 27.32 1.17 0.00 | 26.81 1.16 0.00 | 26.57 1.23 0.00 | 31.98 1.73 0.00 | 30.07 1.65 0.00 | 27.73 1.45 0.00 | 27.27 1.58 0.00 | 30.86 2.01 0.00 | 35.12 2.44 0.00 | 32.12 2.23 0.00 | 35.33 2.72 0.00 | 31.82 2.25 0.00 | 30.48 1.88 0.00 | 32.27 1.79 0.00 | 32.78 1.67 0.00 | 26.15 1.30 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 12.71 -0.70 1.00 | 12.50 -0.63 0.14 | 12.64 -0.70 0.00 | 13.27 -0.55 0.00 | 14.85 -0.43 0.00 | 15.85 -0.55 0.00 | 21.37 -0.93 0.00 | 21.94 -1.11 0.00 | 24.83 -1.32 0.00 | 24.49 -1.16 0.00 | 24.18 -1.16 0.00 | 28.96 -1.29 0.00 | 27.47 -0.95 0.00 | 25.42 -0.87 0.00 | 25.04 -0.65 0.00 | 28.10 -0.75 0.00 | 31.92 -0.76 0.00 | 28.70 -1.20 0.00 | 31.41 -1.20 0.00 | 28.21 -1.36 0.00 | 27.64 -0.96 0.00 | 29.40 -1.07 0.00 | 30.26 -0.85 0.00 | 24.73 -0.12 0.00 |
| ERIE_WT_PWR 323693 | 11.86 -1.02 1.53 | 10.98 -0.92 1.37 | 11.40 -0.98 0.96 | 11.80 -0.85 1.18 | 12.91 -0.76 1.62 | 14.48 -0.88 1.05 | 18.67 -1.38 2.24 | 18.42 -1.61 3.02 | 17.26 -1.88 7.01 | 18.82 -1.70 5.13 | 18.80 -1.70 4.84 | 26.38 -1.93 1.94 | 25.17 -1.58 1.67 | 23.05 -1.43 1.80 | 20.57 -1.23 3.89 | 22.58 -1.38 4.89 | 28.66 -1.47 2.56 | 25.74 -1.85 2.30 | 27.91 -1.93 2.78 | 25.22 -2.03 2.33 | 23.75 -1.50 3.35 | 24.70 -1.65 4.12 | 17.32 -1.43 12.37 | 9.16 -0.59 15.10 |
| ESPRGFLD_115KV_TB1 80157 | 14.77 0.35 0.00 | 13.54 0.27 0.00 | 13.64 0.30 0.00 | 14.14 0.32 0.00 | 15.72 0.43 0.00 | 16.82 0.42 0.00 | 23.03 0.73 0.00 | 23.86 0.82 0.00 | 27.01 0.87 0.00 | 26.47 0.82 0.00 | 26.25 0.91 0.00 | 31.42 1.17 0.00 | 29.57 1.15 0.00 | 27.35 1.07 0.00 | 26.74 1.06 0.00 | 30.04 1.19 0.00 | 34.11 1.43 0.00 | 31.19 1.30 0.00 | 34.22 1.60 0.00 | 30.99 1.42 0.00 | 29.91 1.31 0.00 | 31.77 1.29 0.00 | 32.51 1.40 0.00 | 25.97 1.12 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 18.52 0.11 -4.00 | 13.94 0.12 -0.55 | 13.44 0.10 0.00 | 13.96 0.14 0.00 | 15.50 0.21 0.00 | 16.58 0.18 0.00 | 22.50 0.20 0.00 | 23.32 0.28 0.00 | 26.29 0.14 0.00 | 25.82 0.17 0.00 | 25.53 0.19 0.00 | 30.49 0.24 0.00 | 28.72 0.30 0.00 | 26.58 0.30 0.00 | 26.02 0.34 0.00 | 29.23 0.38 0.00 | 33.13 0.45 0.00 | 30.38 0.49 0.00 | 33.29 0.68 0.00 | 30.02 0.45 0.00 | 28.99 0.39 0.00 | 30.76 0.28 0.00 | 31.31 0.20 0.00 | 25.07 0.22 0.00 |
| ETNA____115KV_TB2 80207 | 18.52 0.11 -4.00 | 13.94 0.12 -0.55 | 13.44 0.10 0.00 | 13.96 0.14 0.00 | 15.50 0.21 0.00 | 16.58 0.18 0.00 | 22.50 0.20 0.00 | 23.32 0.28 0.00 | 26.29 0.14 0.00 | 25.82 0.17 0.00 | 25.53 0.19 0.00 | 30.49 0.24 0.00 | 28.72 0.30 0.00 | 26.58 0.30 0.00 | 26.02 0.34 0.00 | 29.23 0.38 0.00 | 33.13 0.45 0.00 | 30.38 0.49 0.00 | 33.29 0.68 0.00 | 30.02 0.45 0.00 | 28.99 0.39 0.00 | 30.76 0.28 0.00 | 31.31 0.20 0.00 | 25.07 0.22 0.00 |
| EUCLID__115KV_TB2 356179 | 14.21 -0.20 0.00 | 13.09 -0.18 0.00 | 13.14 -0.20 0.00 | 13.64 -0.18 0.00 | 15.09 -0.20 0.00 | 16.14 -0.26 0.00 | 21.81 -0.49 0.00 | 22.52 -0.53 0.00 | 25.53 -0.62 0.00 | 25.04 -0.61 0.00 | 24.73 -0.61 0.00 | 29.56 -0.69 0.00 | 27.82 -0.60 0.00 | 25.75 -0.53 0.00 | 25.21 -0.47 0.00 | 28.31 -0.54 0.00 | 32.07 -0.62 0.00 | 29.32 -0.57 0.00 | 32.05 -0.56 0.00 | 28.95 -0.62 0.00 | 28.01 -0.59 0.00 | 29.78 -0.69 0.00 | 30.41 -0.70 0.00 | 24.39 -0.46 0.00 |
| E_CANADA_CAP_HY 24051 | 14.83 0.42 0.00 | 13.58 0.31 0.00 | 13.68 0.34 0.00 | 14.20 0.37 0.00 | 15.76 0.48 0.00 | 16.91 0.51 0.00 | 23.16 0.86 0.00 | 23.99 0.95 0.00 | 27.15 1.01 0.00 | 26.59 0.95 0.00 | 26.38 1.04 0.00 | 31.53 1.28 0.00 | 29.67 1.26 0.00 | 27.43 1.15 0.00 | 26.82 1.14 0.00 | 30.11 1.26 0.00 | 34.23 1.54 0.00 | 31.24 1.34 0.00 | 34.29 1.68 0.00 | 31.09 1.52 0.00 | 30.05 1.45 0.00 | 31.97 1.50 0.00 | 32.76 1.65 0.00 | 26.15 1.30 0.00 |
| E_CANADA_MHWK_HY 24050 | 14.41 0.00 0.00 | 13.39 0.06 -0.06 | 13.54 0.06 -0.14 | 13.90 0.07 -0.01 | 15.38 0.10 0.00 | 16.51 0.11 0.00 | 22.35 0.05 0.00 | 23.19 0.15 0.00 | 26.36 0.21 0.00 | 25.96 0.32 0.00 | 25.37 0.03 0.00 | 30.27 0.01 0.00 | 28.48 0.06 0.00 | 26.36 0.08 0.00 | 25.65 -0.04 0.00 | 28.91 0.06 0.00 | 32.95 0.27 0.00 | 30.25 0.36 0.00 | 33.17 0.55 0.00 | 29.93 0.35 0.00 | 28.79 0.19 0.00 | 30.46 -0.01 0.00 | 30.78 -0.33 0.00 | 24.61 -0.24 0.00 |
| E_FISHKILL__LBMP 23776 | 15.11 0.69 0.00 | 13.90 0.63 0.00 | 13.97 0.63 0.00 | 14.46 0.64 0.00 | 15.96 0.68 0.00 | 17.10 0.70 0.00 | 23.20 0.90 0.00 | 24.10 1.05 0.00 | 27.38 1.23 0.00 | 26.90 1.26 0.00 | 26.45 1.11 0.00 | 31.50 1.25 0.00 | 29.65 1.23 0.00 | 27.51 1.23 0.00 | 26.84 1.16 0.00 | 30.10 1.25 0.00 | 34.07 1.39 0.00 | 31.50 1.60 0.00 | 34.30 1.69 0.00 | 31.01 1.44 0.00 | 29.82 1.21 0.00 | 31.44 0.96 0.00 | 31.91 0.81 0.00 | 25.57 0.72 0.00 |
| FALCON__SEABRD_CC1 323796 | -0.75 -0.72 14.44 | -21.51 -0.68 34.11 | -21.27 -0.66 33.95 | -15.60 -0.71 28.71 | 2.57 -0.76 11.95 | 15.80 -0.60 0.00 | 21.59 -0.71 0.00 | 22.28 -0.76 0.00 | 25.56 -0.59 0.00 | 25.56 -0.08 0.00 | 25.39 0.05 0.00 | 30.35 0.10 0.00 | 28.65 0.23 0.00 | 26.38 0.10 0.00 | 25.76 0.07 0.00 | 28.96 0.11 0.00 | 32.78 0.09 0.00 | 29.03 -0.87 0.00 | 31.83 -0.79 0.00 | 29.42 -0.15 0.00 | 28.80 0.19 0.00 | 31.52 1.05 0.00 | 32.25 1.14 0.00 | 25.61 0.76 0.00 |
| FALCON__SEABRD_CC2 323797 | -0.75 -0.72 14.44 | -21.51 -0.68 34.11 | -21.27 -0.66 33.95 | -15.60 -0.71 28.71 | 2.57 -0.76 11.95 | 15.80 -0.60 0.00 | 21.59 -0.71 0.00 | 22.28 -0.76 0.00 | 25.56 -0.59 0.00 | 25.56 -0.08 0.00 | 25.39 0.05 0.00 | 30.35 0.10 0.00 | 28.65 0.23 0.00 | 26.38 0.10 0.00 | 25.76 0.07 0.00 | 28.96 0.11 0.00 | 32.78 0.09 0.00 | 29.03 -0.87 0.00 | 31.83 -0.79 0.00 | 29.42 -0.15 0.00 | 28.80 0.19 0.00 | 31.52 1.05 0.00 | 32.25 1.14 0.00 | 25.61 0.76 0.00 |

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| FAR ROCKAWAY___4 23548 | 15.51 1.10 0.00 | 14.25 0.98 0.00 | 14.29 0.96 0.00 | 14.76 0.94 0.00 | 16.30 1.02 0.00 | 17.47 1.07 0.00 | 23.80 1.50 0.00 | 24.73 1.69 0.00 | 28.22 2.08 0.00 | 27.72 2.08 0.00 | 27.26 1.93 0.00 | 32.47 2.22 0.00 | 30.51 2.09 0.00 | 28.45 2.17 0.00 | 27.74 2.06 0.00 | 31.02 2.17 0.00 | 35.04 2.35 0.00 | 32.16 2.26 0.00 | 35.07 2.45 0.00 | 31.72 2.15 0.00 | 30.71 2.11 0.00 | 32.44 1.97 0.00 | 32.86 1.75 0.00 | 26.28 1.43 0.00 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 15.24 0.82 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.05 0.76 0.00 | 17.17 0.77 0.00 | 23.33 1.03 0.00 | 24.32 1.28 0.00 | 27.66 1.52 0.00 | 27.21 1.57 0.00 | 26.77 1.43 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.91 1.63 0.00 | 27.23 1.55 0.00 | 30.52 1.67 0.00 | 34.48 1.79 0.00 | 31.93 2.04 0.00 | 34.73 2.11 0.00 | 31.41 1.84 0.00 | 30.18 1.58 0.00 | 31.71 1.24 0.00 | 32.18 1.07 0.00 | 25.75 0.90 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 15.24 0.83 0.00 | 13.99 0.73 0.00 | 14.05 0.72 0.00 | 14.54 0.72 0.00 | 16.05 0.77 0.00 | 17.18 0.77 0.00 | 23.35 1.05 0.00 | 24.34 1.29 0.00 | 27.68 1.53 0.00 | 27.22 1.57 0.00 | 26.78 1.44 0.00 | 31.91 1.66 0.00 | 30.05 1.64 0.00 | 27.93 1.65 0.00 | 27.24 1.56 0.00 | 30.53 1.68 0.00 | 34.49 1.81 0.00 | 31.95 2.05 0.00 | 34.74 2.12 0.00 | 31.43 1.86 0.00 | 30.20 1.60 0.00 | 31.74 1.27 0.00 | 32.20 1.09 0.00 | 25.77 0.92 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 15.23 0.82 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.76 0.00 | 17.16 0.76 0.00 | 23.33 1.03 0.00 | 24.31 1.27 0.00 | 27.65 1.51 0.00 | 27.19 1.55 0.00 | 26.76 1.42 0.00 | 31.88 1.63 0.00 | 30.03 1.61 0.00 | 27.91 1.63 0.00 | 27.22 1.53 0.00 | 30.50 1.65 0.00 | 34.46 1.78 0.00 | 31.92 2.02 0.00 | 34.70 2.09 0.00 | 31.39 1.82 0.00 | 30.17 1.56 0.00 | 31.71 1.23 0.00 | 32.16 1.05 0.00 | 25.75 0.90 0.00 |
| FARRAGUT___LBMP 323566 | 15.22 0.81 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.53 0.70 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.30 1.01 0.00 | 24.29 1.25 0.00 | 27.63 1.48 0.00 | 27.17 1.52 0.00 | 26.74 1.40 0.00 | 31.85 1.60 0.00 | 30.00 1.58 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.47 1.62 0.00 | 34.43 1.74 0.00 | 31.89 1.99 0.00 | 34.67 2.06 0.00 | 31.37 1.80 0.00 | 30.14 1.54 0.00 | 31.68 1.21 0.00 | 32.14 1.03 0.00 | 25.73 0.87 0.00 |
| FENNER___WINDPWR 24204 | 15.29 0.13 -0.75 | 13.50 0.12 -0.10 | 13.46 0.12 0.00 | 13.97 0.14 0.00 | 15.46 0.17 0.00 | 16.59 0.19 0.00 | 22.60 0.30 0.00 | 23.40 0.03 -0.32 | 26.64 -0.21 -0.70 | 26.06 -0.11 -0.51 | 25.78 -0.05 -0.49 | 30.42 -0.03 -0.19 | 28.64 0.06 -0.17 | 26.59 0.13 -0.18 | 26.21 0.14 -0.39 | 29.47 0.12 -0.49 | 33.02 0.08 -0.26 | 30.33 0.21 -0.23 | 33.23 0.34 -0.28 | 29.93 0.13 -0.23 | 28.97 0.03 -0.33 | 30.67 -0.22 -0.41 | 32.05 -0.30 -1.23 | 26.11 -0.25 -1.51 |
| FIBERTEK___ENERGY 23856 | 14.36 -0.05 0.00 | 13.24 -0.03 0.00 | 13.29 -0.05 0.00 | 13.79 -0.03 0.00 | 15.26 -0.03 0.00 | 16.33 -0.07 0.00 | 22.09 -0.21 0.00 | 22.83 -0.21 0.00 | 25.88 -0.26 0.00 | 25.42 -0.22 0.00 | 25.11 -0.23 0.00 | 30.00 -0.25 0.00 | 28.22 -0.19 0.00 | 26.12 -0.16 0.00 | 25.55 -0.14 0.00 | 28.68 -0.17 0.00 | 32.49 -0.19 0.00 | 29.74 -0.15 0.00 | 32.52 -0.10 0.00 | 29.35 -0.22 0.00 | 28.40 -0.20 0.00 | 30.18 -0.30 0.00 | 30.78 -0.33 0.00 | 24.68 -0.17 0.00 |
| FITZPATRICK___ 23598 | 14.09 -0.32 0.00 | 12.98 -0.29 0.00 | 13.03 -0.30 0.00 | 13.52 -0.30 0.00 | 14.94 -0.35 0.00 | 15.98 -0.42 0.00 | 21.59 -0.71 0.00 | 22.30 -0.74 0.00 | 25.29 -0.85 0.00 | 24.81 -0.84 0.00 | 24.50 -0.84 0.00 | 29.26 -0.99 0.00 | 27.53 -0.88 0.00 | 25.48 -0.81 0.00 | 24.92 -0.77 0.00 | 27.99 -0.86 0.00 | 31.72 -0.97 0.00 | 29.00 -0.89 0.00 | 31.68 -0.94 0.00 | 28.65 -0.93 0.00 | 27.72 -0.89 0.00 | 29.48 -0.99 0.00 | 30.09 -1.02 0.00 | 24.14 -0.71 0.00 |
| FLOWRFLD_69_KV_BK1 356044 | 15.48 1.07 0.00 | 14.23 0.96 0.00 | 14.27 0.93 0.00 | 14.72 0.90 0.00 | 16.23 0.94 0.00 | 17.40 0.99 0.00 | 23.76 1.46 0.00 | 24.58 1.54 0.00 | 28.24 2.10 0.00 | 27.63 1.99 0.00 | 27.31 1.97 0.00 | 32.52 2.27 0.00 | 30.50 2.09 0.00 | 28.51 2.23 0.00 | 27.82 2.14 0.00 | 31.10 2.25 0.00 | 35.23 2.55 0.00 | 32.63 2.73 0.00 | 35.49 2.87 0.00 | 32.12 2.55 0.00 | 30.79 2.18 0.00 | 32.42 1.94 0.00 | 32.76 1.65 0.00 | 26.13 1.28 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 15.27 0.86 0.00 | 14.05 0.78 0.00 | 14.12 0.78 0.00 | 14.62 0.80 0.00 | 16.15 0.86 0.00 | 17.30 0.90 0.00 | 23.51 1.21 0.00 | 24.41 1.37 0.00 | 27.71 1.56 0.00 | 27.17 1.53 0.00 | 26.65 1.31 0.00 | 31.67 1.42 0.00 | 29.74 1.32 0.00 | 27.57 1.29 0.00 | 26.91 1.23 0.00 | 30.18 1.33 0.00 | 34.18 1.50 0.00 | 31.79 1.90 0.00 | 34.85 2.24 0.00 | 31.51 1.94 0.00 | 30.29 1.68 0.00 | 31.91 1.44 0.00 | 32.38 1.27 0.00 | 25.92 1.06 0.00 |
| FORT ORANGE___ 23900 | 15.02 0.61 0.00 | 13.87 0.61 0.00 | 13.94 0.60 0.00 | 14.45 0.63 0.00 | 15.96 0.67 0.00 | 17.13 0.72 0.00 | 23.13 0.83 0.00 | 23.93 0.89 0.00 | 27.21 1.06 0.00 | 26.75 1.10 0.00 | 26.25 0.91 0.00 | 31.30 1.04 0.00 | 29.46 1.04 0.00 | 27.25 0.97 0.00 | 26.63 0.95 0.00 | 29.93 1.08 0.00 | 33.93 1.25 0.00 | 31.17 1.27 0.00 | 33.91 1.30 0.00 | 30.66 1.09 0.00 | 29.56 0.96 0.00 | 31.33 0.85 0.00 | 31.81 0.70 0.00 | 25.49 0.64 0.00 |
| FORT_DRUM_COGEN 23780 | 14.27 -0.75 -0.61 | 13.75 -0.68 -1.16 | 13.41 -0.70 -0.77 | 14.26 -0.74 -1.18 | 15.07 -0.72 -0.50 | 15.64 -0.77 0.00 | 21.32 -0.98 0.00 | 22.02 -1.02 0.00 | 24.77 -1.38 0.00 | 24.48 -1.17 0.00 | 24.54 -0.80 0.00 | 29.45 -0.80 0.00 | 27.80 -0.61 0.00 | 25.49 -0.79 0.00 | 24.89 -0.80 0.00 | 28.19 -0.67 0.00 | 31.86 -0.82 0.00 | 29.53 -0.36 0.00 | 32.29 -0.33 0.00 | 29.27 -0.31 0.00 | 28.33 -0.28 0.00 | 30.25 -0.22 0.00 | 31.17 0.06 0.00 | 24.92 0.07 0.00 |
| FOX_HILLS___ESR 323835 | 15.27 0.86 0.00 | 14.01 0.74 0.00 | 14.08 0.75 0.00 | 14.58 0.76 0.00 | 16.09 0.81 0.00 | 17.23 0.82 0.00 | 23.40 1.10 0.00 | 23.03 1.35 1.36 | 22.76 1.61 4.99 | 26.97 1.65 0.32 | 24.62 1.57 2.29 | 32.05 1.80 0.00 | 30.22 1.80 0.00 | 28.10 1.82 0.00 | 27.39 1.71 0.00 | 30.69 1.84 0.00 | 34.44 1.93 0.18 | 32.08 2.18 0.00 | 34.63 2.20 0.19 | 31.60 2.03 0.00 | 30.36 1.75 0.00 | 31.86 1.38 0.00 | 32.32 1.22 0.00 | 25.90 1.05 0.00 |
| FPL_FAR_ROCK_GT1 24212 | 15.51 1.10 0.00 | 14.25 0.98 0.00 | 14.29 0.96 0.00 | 14.76 0.94 0.00 | 16.30 1.02 0.00 | 17.47 1.07 0.00 | 23.80 1.50 0.00 | 24.73 1.69 0.00 | 28.22 2.08 0.00 | 27.72 2.08 0.00 | 27.26 1.93 0.00 | 32.47 2.22 0.00 | 30.51 2.09 0.00 | 28.45 2.17 0.00 | 27.74 2.06 0.00 | 31.03 2.17 0.00 | 35.04 2.36 0.00 | 32.15 2.26 0.00 | 35.06 2.45 0.00 | 31.72 2.14 0.00 | 30.72 2.11 0.00 | 32.44 1.97 0.00 | 32.86 1.75 0.00 | 26.29 1.44 0.00 |
| FPL_FAR_ROCK_GT2 23815 | 15.51 1.10 0.00 | 14.25 0.98 0.00 | 14.29 0.96 0.00 | 14.76 0.94 0.00 | 16.30 1.02 0.00 | 17.47 1.07 0.00 | 23.80 1.50 0.00 | 24.73 1.69 0.00 | 28.22 2.08 0.00 | 27.72 2.08 0.00 | 27.26 1.93 0.00 | 32.47 2.22 0.00 | 30.51 2.09 0.00 | 28.45 2.17 0.00 | 27.74 2.06 0.00 | 31.03 2.17 0.00 | 35.04 2.36 0.00 | 32.15 2.26 0.00 | 35.06 2.45 0.00 | 31.72 2.14 0.00 | 30.72 2.11 0.00 | 32.44 1.97 0.00 | 32.86 1.75 0.00 | 26.29 1.44 0.00 |

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|-------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| FRANKLIN_FALL_HYD 24054 | 23.74 -0.56 -9.88 | 34.24 -0.52 -21.49 | 31.62 -0.49 -18.77 | 32.73 -0.52 -19.43 | 22.90 -0.56 -8.18 | 16.00 -0.40 0.00 | 21.95 -0.35 0.00 | 22.66 -0.38 0.00 | 25.84 -0.31 0.00 | 25.69 0.05 0.00 | 25.53 0.19 0.00 | 30.48 0.23 0.00 | 28.72 0.30 0.00 | 26.43 0.15 0.00 | 25.80 0.11 0.00 | 29.03 0.18 0.00 | 32.85 0.16 0.00 | 29.43 -0.47 0.00 | 32.29 -0.32 0.00 | 29.64 0.07 0.00 | 28.97 0.37 0.00 | 31.42 0.94 0.00 | 32.09 0.98 0.00 | 25.42 0.57 0.00 |
| FREEPORT_EQUS_GT1 23764 | 15.43 1.01 0.00 | 14.18 0.91 0.00 | 14.21 0.87 0.00 | 14.67 0.85 0.00 | 16.19 0.91 0.00 | 17.36 0.95 0.00 | 23.66 1.36 0.00 | 24.56 1.51 0.00 | 28.06 1.91 0.00 | 27.54 1.89 0.00 | 27.18 1.85 0.00 | 32.37 2.12 0.00 | 30.41 1.99 0.00 | 28.37 2.09 0.00 | 27.69 2.00 0.00 | 30.93 2.08 0.00 | 34.98 2.30 0.00 | 32.36 2.47 0.00 | 35.24 2.62 0.00 | 31.88 2.31 0.00 | 30.65 2.04 0.00 | 32.28 1.81 0.00 | 32.68 1.57 0.00 | 26.11 1.26 0.00 |
| FREEPORT___CT2 23818 | 15.43 1.01 0.00 | 14.18 0.91 0.00 | 14.21 0.87 0.00 | 14.67 0.85 0.00 | 16.19 0.91 0.00 | 17.36 0.95 0.00 | 23.66 1.36 0.00 | 24.56 1.51 0.00 | 28.06 1.91 0.00 | 27.54 1.89 0.00 | 27.18 1.85 0.00 | 32.37 2.12 0.00 | 30.41 1.99 0.00 | 28.37 2.09 0.00 | 27.69 2.00 0.00 | 30.93 2.08 0.00 | 34.98 2.30 0.00 | 32.36 2.47 0.00 | 35.24 2.62 0.00 | 31.88 2.31 0.00 | 30.65 2.04 0.00 | 32.28 1.81 0.00 | 32.68 1.57 0.00 | 26.11 1.26 0.00 |
| FRESHKLS_33_KV_LOAD 356253 | 15.26 0.85 0.00 | 13.99 0.72 0.00 | 14.07 0.73 0.00 | 14.57 0.75 0.00 | 16.09 0.80 0.00 | 17.22 0.82 0.00 | 23.36 1.07 0.00 | 22.36 1.29 1.97 | 20.46 1.54 7.23 | 26.75 1.57 0.47 | 23.53 1.50 3.32 | 32.00 1.75 0.00 | 30.22 1.80 0.00 | 28.11 1.82 0.00 | 27.37 1.69 0.00 | 30.68 1.82 0.00 | 34.29 1.87 0.26 | 32.04 2.15 0.00 | 34.42 2.08 0.27 | 31.60 2.03 0.00 | 30.34 1.74 0.00 | 31.79 1.31 0.00 | 32.27 1.16 0.00 | 25.90 1.05 0.00 |
| FULTON COGEN____ 23766 | 14.18 -0.23 0.00 | 13.07 -0.20 0.00 | 13.12 -0.21 0.00 | 13.62 -0.20 0.00 | 15.06 -0.23 0.00 | 16.11 -0.29 0.00 | 21.78 -0.51 0.00 | 22.51 -0.54 0.00 | 25.50 -0.65 0.00 | 25.01 -0.64 0.00 | 24.70 -0.64 0.00 | 29.52 -0.73 0.00 | 27.77 -0.64 0.00 | 25.71 -0.57 0.00 | 25.12 -0.56 0.00 | 28.17 -0.68 0.00 | 31.93 -0.75 0.00 | 29.29 -0.61 0.00 | 32.00 -0.61 0.00 | 28.93 -0.65 0.00 | 27.97 -0.63 0.00 | 29.74 -0.74 0.00 | 30.36 -0.75 0.00 | 24.33 -0.52 0.00 |
| FULTON___LFGE 323630 | 15.49 1.07 0.00 | 14.23 0.96 0.00 | 14.32 0.98 0.00 | 14.87 1.05 0.00 | 16.52 1.24 0.00 | 17.73 1.33 0.00 | 24.38 2.08 0.00 | 25.30 2.25 0.00 | 28.59 2.45 0.00 | 27.90 2.26 0.00 | 27.64 2.30 0.00 | 32.86 2.61 0.00 | 31.04 2.62 0.00 | 28.73 2.45 0.00 | 28.07 2.39 0.00 | 31.55 2.70 0.00 | 36.10 3.42 0.00 | 33.15 3.25 0.00 | 36.33 3.72 0.00 | 32.83 3.26 0.00 | 31.64 3.03 0.00 | 33.48 3.01 0.00 | 34.06 2.95 0.00 | 27.14 2.29 0.00 |
| G.F.CEMENT___DRP 24184 | 15.05 0.64 0.00 | 13.84 0.58 0.00 | 13.93 0.59 0.00 | 14.44 0.62 0.00 | 15.97 0.69 0.00 | 17.19 0.79 0.00 | 23.26 0.96 0.00 | 23.97 0.93 0.00 | 27.29 1.14 0.00 | 26.86 1.21 0.00 | 26.31 0.97 0.00 | 31.57 1.32 0.00 | 29.77 1.35 0.00 | 27.61 1.33 0.00 | 26.99 1.31 0.00 | 30.27 1.42 0.00 | 34.49 1.80 0.00 | 31.79 1.90 0.00 | 34.56 1.94 0.00 | 31.21 1.64 0.00 | 30.07 1.46 0.00 | 31.91 1.44 0.00 | 32.25 1.14 0.00 | 25.83 0.98 0.00 |
| GARDENVILLE___LBMP 24039 | 12.40 -1.06 0.95 | 12.17 -0.97 0.13 | 12.31 -1.03 0.00 | 12.93 -0.89 0.00 | 14.48 -0.81 0.00 | 15.47 -0.93 0.00 | 20.84 -1.46 0.00 | 21.35 -1.70 0.00 | 24.15 -1.99 0.00 | 23.84 -1.81 0.00 | 23.54 -1.79 0.00 | 28.21 -2.04 0.00 | 26.74 -1.68 0.00 | 24.75 -1.53 0.00 | 24.38 -1.31 0.00 | 27.36 -1.49 0.00 | 31.10 -1.59 0.00 | 27.91 -1.99 0.00 | 30.55 -2.06 0.00 | 27.42 -2.15 0.00 | 26.96 -1.65 0.00 | 28.70 -1.78 0.00 | 29.52 -1.59 0.00 | 24.12 -0.73 0.00 |
| GARDNVLA_35_KV_LD 355827 | 12.43 -1.01 0.98 | 12.22 -0.91 0.13 | 12.36 -0.98 0.00 | 12.98 -0.84 0.00 | 14.54 -0.75 0.00 | 15.53 -0.87 0.00 | 20.93 -1.37 0.00 | 21.45 -1.59 0.00 | 24.27 -1.87 0.00 | 23.97 -1.68 0.00 | 23.66 -1.68 0.00 | 28.34 -1.91 0.00 | 26.85 -1.56 0.00 | 24.86 -1.42 0.00 | 24.49 -1.19 0.00 | 27.49 -1.36 0.00 | 31.26 -1.42 0.00 | 28.04 -1.86 0.00 | 30.69 -1.93 0.00 | 27.56 -2.02 0.00 | 27.08 -1.53 0.00 | 28.82 -1.65 0.00 | 29.63 -1.48 0.00 | 24.22 -0.63 0.00 |
| GELCKHM___115KV_LOAD 80723 | 14.27 -0.15 0.00 | 13.14 -0.13 0.00 | 13.19 -0.14 0.00 | 13.69 -0.13 0.00 | 15.15 -0.13 0.00 | 16.21 -0.19 0.00 | 21.91 -0.39 0.00 | 22.64 -0.40 0.00 | 25.67 -0.48 0.00 | 25.19 -0.45 0.00 | 24.88 -0.46 0.00 | 29.73 -0.52 0.00 | 27.98 -0.44 0.00 | 25.89 -0.40 0.00 | 25.34 -0.34 0.00 | 28.45 -0.40 0.00 | 32.23 -0.45 0.00 | 29.49 -0.40 0.00 | 32.24 -0.38 0.00 | 29.11 -0.46 0.00 | 28.16 -0.44 0.00 | 29.94 -0.54 0.00 | 30.55 -0.56 0.00 | 24.50 -0.35 0.00 |
| GENERAL___MILLS 23808 | 12.43 -1.02 0.97 | 12.22 -0.92 0.13 | 12.35 -0.99 0.00 | 12.98 -0.85 0.00 | 14.53 -0.76 0.00 | 15.52 -0.88 0.00 | 20.90 -1.40 0.00 | 21.42 -1.62 0.00 | 24.24 -1.90 0.00 | 23.93 -1.71 0.00 | 23.62 -1.71 0.00 | 28.30 -1.95 0.00 | 26.82 -1.59 0.00 | 24.83 -1.45 0.00 | 24.46 -1.22 0.00 | 27.45 -1.40 0.00 | 31.20 -1.48 0.00 | 28.00 -1.89 0.00 | 30.65 -1.96 0.00 | 27.51 -2.06 0.00 | 27.05 -1.56 0.00 | 28.79 -1.68 0.00 | 29.61 -1.50 0.00 | 24.20 -0.65 0.00 |
| GE_PLASTICS___DRP 24183 | 14.90 0.48 0.00 | 13.75 0.48 0.00 | 13.82 0.48 0.00 | 14.32 0.50 0.00 | 15.82 0.53 0.00 | 16.96 0.55 0.00 | 22.91 0.61 0.00 | 23.71 0.67 0.00 | 26.95 0.80 0.00 | 26.48 0.83 0.00 | 26.02 0.69 0.00 | 31.02 0.77 0.00 | 29.20 0.78 0.00 | 27.01 0.73 0.00 | 26.40 0.71 0.00 | 29.66 0.81 0.00 | 33.60 0.91 0.00 | 30.85 0.96 0.00 | 33.58 0.96 0.00 | 30.38 0.81 0.00 | 29.30 0.70 0.00 | 31.06 0.58 0.00 | 31.58 0.47 0.00 | 25.31 0.46 0.00 |
| GILBOA___1 23756 | 14.80 0.38 0.00 | 13.65 0.38 0.00 | 13.75 0.41 0.00 | 14.25 0.43 0.00 | 15.74 0.45 0.00 | 16.80 0.40 0.00 | 22.77 0.47 0.00 | 23.58 0.54 0.00 | 26.77 0.62 0.00 | 26.30 0.65 0.00 | 25.89 0.55 0.00 | 30.88 0.62 0.00 | 29.06 0.64 0.00 | 26.90 0.62 0.00 | 26.29 0.60 0.00 | 29.50 0.65 0.00 | 33.38 0.69 0.00 | 30.68 0.79 0.00 | 33.43 0.81 0.00 | 30.24 0.66 0.00 | 29.19 0.59 0.00 | 30.89 0.41 0.00 | 31.47 0.36 0.00 | 25.21 0.36 0.00 |
| GILBOA___2 23757 | 14.80 0.38 0.00 | 13.65 0.38 0.00 | 13.75 0.41 0.00 | 14.25 0.43 0.00 | 15.74 0.45 0.00 | 16.80 0.40 0.00 | 22.77 0.47 0.00 | 23.58 0.54 0.00 | 26.77 0.62 0.00 | 26.30 0.65 0.00 | 25.89 0.55 0.00 | 30.88 0.62 0.00 | 29.06 0.64 0.00 | 26.90 0.62 0.00 | 26.29 0.60 0.00 | 29.50 0.65 0.00 | 33.38 0.69 0.00 | 30.68 0.79 0.00 | 33.43 0.81 0.00 | 30.24 0.66 0.00 | 29.19 0.59 0.00 | 30.89 0.41 0.00 | 31.47 0.36 0.00 | 25.21 0.36 0.00 |
| GILBOA___3 23758 | 14.80 0.38 0.00 | 13.65 0.38 0.00 | 13.75 0.41 0.00 | 14.25 0.43 0.00 | 15.74 0.45 0.00 | 16.80 0.40 0.00 | 22.77 0.47 0.00 | 23.58 0.54 0.00 | 26.77 0.62 0.00 | 26.30 0.65 0.00 | 25.89 0.55 0.00 | 30.88 0.62 0.00 | 29.06 0.64 0.00 | 26.90 0.62 0.00 | 26.29 0.60 0.00 | 29.50 0.65 0.00 | 33.38 0.69 0.00 | 30.68 0.79 0.00 | 33.43 0.81 0.00 | 30.24 0.66 0.00 | 29.19 0.59 0.00 | 30.89 0.41 0.00 | 31.47 0.36 0.00 | 25.21 0.36 0.00 |

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| GILBOA___4 23759 | 14.80 0.38 0.00 | 13.65 0.38 0.00 | 13.75 0.41 0.00 | 14.25 0.43 0.00 | 15.74 0.45 0.00 | 16.80 0.40 0.00 | 22.77 0.47 0.00 | 23.58 0.54 0.00 | 26.77 0.62 0.00 | 26.30 0.65 0.00 | 25.89 0.55 0.00 | 30.88 0.62 0.00 | 29.06 0.64 0.00 | 26.90 0.62 0.00 | 26.29 0.60 0.00 | 29.50 0.65 0.00 | 33.38 0.69 0.00 | 30.68 0.79 0.00 | 33.43 0.81 0.00 | 30.24 0.66 0.00 | 29.19 0.59 0.00 | 30.89 0.41 0.00 | 31.47 0.36 0.00 | 25.21 0.36 0.00 |
| GILBOA____ 23599 | 14.80 0.38 0.00 | 13.65 0.38 0.00 | 13.75 0.41 0.00 | 14.25 0.43 0.00 | 15.74 0.45 0.00 | 16.80 0.40 0.00 | 22.77 0.47 0.00 | 23.58 0.54 0.00 | 26.77 0.62 0.00 | 26.30 0.66 0.00 | 25.89 0.55 0.00 | 30.88 0.62 0.00 | 29.06 0.64 0.00 | 26.90 0.62 0.00 | 26.29 0.60 0.00 | 29.50 0.65 0.00 | 33.38 0.69 0.00 | 30.69 0.79 0.00 | 33.43 0.81 0.00 | 30.24 0.67 0.00 | 29.19 0.59 0.00 | 30.89 0.42 0.00 | 31.47 0.36 0.00 | 25.21 0.36 0.00 |
| GINNA____ 23603 | 12.40 -1.22 0.80 | 11.65 -1.11 0.51 | 11.85 -1.16 0.33 | 12.30 -1.11 0.41 | 13.58 -1.14 0.56 | 14.80 -1.24 0.36 | 19.73 -1.80 0.78 | 20.08 -1.92 1.04 | 21.49 -2.26 2.40 | 21.71 -2.18 1.76 | 21.45 -2.24 1.66 | 26.93 -2.66 0.66 | 25.44 -2.41 0.57 | 23.45 -2.22 0.61 | 22.29 -2.07 1.33 | 24.92 -2.26 1.67 | 29.34 -2.47 0.87 | 26.69 -2.43 0.78 | 29.14 -2.53 0.94 | 26.34 -2.44 0.79 | 25.23 -2.24 1.14 | 26.57 -2.50 1.40 | 24.35 -2.56 4.21 | 17.90 -1.81 5.14 |
| GLEN PARK____ 23778 | 14.26 -0.73 -0.58 | 13.71 -0.66 -1.11 | 13.38 -0.68 -0.73 | 14.22 -0.72 -1.12 | 15.07 -0.70 -0.48 | 15.66 -0.74 0.00 | 21.37 -0.93 0.00 | 22.06 -0.98 0.00 | 24.80 -1.35 0.00 | 24.45 -1.20 0.00 | 24.48 -0.86 0.00 | 29.39 -0.86 0.00 | 27.73 -0.69 0.00 | 25.38 -0.90 0.00 | 24.78 -0.91 0.00 | 28.07 -0.78 0.00 | 31.77 -0.91 0.00 | 29.56 -0.34 0.00 | 32.38 -0.24 0.00 | 29.35 -0.23 0.00 | 28.39 -0.21 0.00 | 30.30 -0.18 0.00 | 31.20 0.09 0.00 | 24.93 0.08 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 15.30 0.89 0.00 | 14.04 0.77 0.00 | 14.10 0.76 0.00 | 14.59 0.77 0.00 | 16.10 0.81 0.00 | 17.23 0.83 0.00 | 23.43 1.13 0.00 | 24.44 1.39 0.00 | 27.81 1.66 0.00 | 27.35 1.71 0.00 | 26.93 1.59 0.00 | 32.08 1.83 0.00 | 30.22 1.80 0.00 | 28.07 1.79 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.67 1.99 0.00 | 32.10 2.21 0.00 | 34.91 2.30 0.00 | 31.59 2.02 0.00 | 30.35 1.74 0.00 | 31.89 1.41 0.00 | 32.34 1.23 0.00 | 25.87 1.02 0.00 |
| GLENWOOD_IC_1_G5 23712 | 15.47 1.05 0.00 | 14.21 0.94 0.00 | 14.25 0.91 0.00 | 14.72 0.90 0.00 | 16.26 0.97 0.00 | 17.42 1.02 0.00 | 23.75 1.45 0.00 | 24.66 1.61 0.00 | 28.18 2.04 0.00 | 27.67 2.03 0.00 | 27.30 1.96 0.00 | 32.53 2.27 0.00 | 30.56 2.15 0.00 | 28.49 2.21 0.00 | 27.79 2.11 0.00 | 30.94 2.09 0.00 | 34.85 2.17 0.00 | 32.25 2.35 0.00 | 35.11 2.49 0.00 | 31.81 2.24 0.00 | 30.77 2.16 0.00 | 32.38 1.90 0.00 | 32.78 1.67 0.00 | 26.20 1.35 0.00 |
| GLENWOOD_IC_2_G1 23688 | 15.44 1.03 0.00 | 14.19 0.92 0.00 | 14.23 0.90 0.00 | 14.70 0.88 0.00 | 16.23 0.95 0.00 | 17.39 0.99 0.00 | 23.70 1.41 0.00 | 24.62 1.57 0.00 | 28.12 1.97 0.00 | 27.61 1.97 0.00 | 27.24 1.90 0.00 | 32.45 2.20 0.00 | 30.49 2.08 0.00 | 28.42 2.14 0.00 | 27.73 2.05 0.00 | 30.95 2.10 0.00 | 34.96 2.28 0.00 | 32.33 2.44 0.00 | 35.20 2.59 0.00 | 31.86 2.29 0.00 | 30.70 2.09 0.00 | 32.31 1.84 0.00 | 32.72 1.61 0.00 | 26.15 1.30 0.00 |
| GLENWOOD_IC_3_G1 23689 | 15.44 1.03 0.00 | 14.19 0.92 0.00 | 14.23 0.90 0.00 | 14.70 0.88 0.00 | 16.23 0.95 0.00 | 17.39 0.99 0.00 | 23.70 1.41 0.00 | 24.62 1.57 0.00 | 28.12 1.97 0.00 | 27.61 1.97 0.00 | 27.24 1.90 0.00 | 32.45 2.20 0.00 | 30.49 2.08 0.00 | 28.42 2.14 0.00 | 27.73 2.05 0.00 | 30.95 2.10 0.00 | 34.96 2.28 0.00 | 32.33 2.44 0.00 | 35.20 2.59 0.00 | 31.86 2.29 0.00 | 30.70 2.09 0.00 | 32.31 1.84 0.00 | 32.72 1.61 0.00 | 26.15 1.30 0.00 |
| GLENWOOD___4 23550 | 15.47 1.05 0.00 | 14.21 0.94 0.00 | 14.25 0.91 0.00 | 14.72 0.90 0.00 | 16.26 0.97 0.00 | 17.42 1.02 0.00 | 23.75 1.45 0.00 | 24.66 1.61 0.00 | 28.18 2.04 0.00 | 27.67 2.03 0.00 | 27.30 1.96 0.00 | 32.53 2.27 0.00 | 30.56 2.15 0.00 | 28.49 2.21 0.00 | 27.80 2.11 0.00 | 30.97 2.12 0.00 | 34.93 2.25 0.00 | 32.33 2.43 0.00 | 35.19 2.58 0.00 | 31.87 2.30 0.00 | 30.77 2.16 0.00 | 32.38 1.90 0.00 | 32.78 1.67 0.00 | 26.20 1.35 0.00 |
| GLENWOOD___5 23614 | 15.47 1.05 0.00 | 14.21 0.94 0.00 | 14.25 0.91 0.00 | 14.72 0.90 0.00 | 16.26 0.97 0.00 | 17.42 1.02 0.00 | 23.75 1.45 0.00 | 24.66 1.61 0.00 | 28.18 2.04 0.00 | 27.67 2.03 0.00 | 27.30 1.96 0.00 | 32.53 2.27 0.00 | 30.56 2.15 0.00 | 28.49 2.21 0.00 | 27.80 2.11 0.00 | 30.97 2.12 0.00 | 34.93 2.25 0.00 | 32.33 2.43 0.00 | 35.19 2.58 0.00 | 31.87 2.30 0.00 | 30.77 2.16 0.00 | 32.38 1.90 0.00 | 32.78 1.67 0.00 | 26.20 1.35 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 15.67 1.25 0.00 | 14.42 1.16 0.00 | 14.44 1.10 0.00 | 14.89 1.07 0.00 | 16.40 1.12 0.00 | 17.60 1.20 0.00 | 24.15 1.86 0.00 | 24.93 1.89 0.00 | 28.79 2.65 0.00 | 27.97 2.32 0.00 | 27.59 2.25 0.00 | 32.90 2.65 0.00 | 30.73 2.32 0.00 | 28.73 2.45 0.00 | 28.09 2.40 0.00 | 31.34 2.49 0.00 | 35.55 2.86 0.00 | 32.93 3.03 0.00 | 35.73 3.11 0.00 | 32.36 2.79 0.00 | 30.95 2.35 0.00 | 32.61 2.14 0.00 | 32.91 1.80 0.00 | 26.16 1.30 0.00 |
| GLOBE___DSASP 323697 | 12.09 -1.47 0.86 | 11.83 -1.32 0.12 | 11.93 -1.41 0.00 | 12.54 -1.28 0.00 | 14.07 -1.22 0.00 | 15.02 -1.38 0.00 | 20.23 -2.07 0.00 | 20.63 -2.42 0.00 | 23.35 -2.80 0.00 | 23.03 -2.62 0.00 | 22.64 -2.70 0.00 | 26.93 -3.32 0.00 | 25.48 -2.94 0.00 | 23.61 -2.67 0.00 | 23.29 -2.40 0.00 | 26.21 -2.64 0.00 | 29.65 -3.03 0.00 | 26.54 -3.36 0.00 | 29.12 -3.49 0.00 | 26.16 -3.41 0.00 | 25.83 -2.77 0.00 | 27.47 -3.00 0.00 | 28.38 -2.73 0.00 | 23.30 -1.55 0.00 |
| GOETHSLN___LBMP 323567 | 15.15 0.74 0.00 | 13.90 0.63 0.00 | 13.96 0.62 0.00 | 14.45 0.63 0.00 | 15.95 0.66 0.00 | 17.06 0.66 0.00 | 23.16 0.87 0.01 | 22.17 1.10 1.97 | 20.24 1.32 7.23 | 26.55 1.36 0.46 | 23.26 1.23 3.31 | 31.66 1.41 0.00 | 29.81 1.39 0.00 | 27.70 1.42 0.00 | 27.02 1.33 0.00 | 30.27 1.42 0.00 | 34.16 1.52 0.04 | 31.70 1.80 0.00 | 34.43 1.85 0.04 | 31.18 1.61 0.00 | 29.95 1.35 0.00 | 31.50 1.02 0.00 | 31.95 0.84 0.00 | 25.60 0.75 0.00 |
| GOLAH___69_KV_TB 1_2 80279 | 13.09 -0.66 0.66 | 12.58 -0.60 0.09 | 12.68 -0.66 0.00 | 13.26 -0.56 0.00 | 14.79 -0.49 0.00 | 15.84 -0.56 0.00 | 21.41 -0.89 0.00 | 22.00 -1.04 0.00 | 24.87 -1.28 0.00 | 24.43 -1.22 0.00 | 24.03 -1.32 0.00 | 28.70 -1.56 0.00 | 27.09 -1.33 0.00 | 25.07 -1.21 0.00 | 24.65 -1.03 0.00 | 27.76 -1.10 0.00 | 31.57 -1.12 0.00 | 28.59 -1.31 0.00 | 31.35 -1.26 0.00 | 28.24 -1.33 0.00 | 27.53 -1.08 0.00 | 29.23 -1.25 0.00 | 29.90 -1.21 0.00 | 24.23 -0.62 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 14.78 0.36 0.00 | 13.59 0.32 0.00 | 13.69 0.35 0.00 | 14.18 0.36 0.00 | 15.74 0.46 0.00 | 16.83 0.43 0.00 | 22.95 0.65 0.00 | 23.76 0.72 0.00 | 26.91 0.76 0.00 | 26.41 0.76 0.00 | 26.13 0.79 0.00 | 31.25 0.99 0.00 | 29.41 0.99 0.00 | 27.21 0.93 0.00 | 26.60 0.92 0.00 | 29.89 1.04 0.00 | 33.91 1.23 0.00 | 31.10 1.20 0.00 | 34.01 1.40 0.00 | 30.76 1.19 0.00 | 29.66 1.05 0.00 | 31.42 0.95 0.00 | 32.06 0.94 0.00 | 25.63 0.79 0.00 |

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| GOUDEY___1 345031 | 14.44 0.02 0.00 | 13.32 0.05 0.00 | 13.38 0.04 0.00 | 13.90 0.08 0.00 | 15.43 0.15 0.00 | 16.49 0.09 0.00 | 22.35 0.05 0.00 | 23.15 0.11 0.00 | 26.22 0.07 0.00 | 25.77 0.12 0.00 | 25.52 0.18 0.00 | 30.52 0.27 0.00 | 28.77 0.35 0.00 | 26.60 0.32 0.00 | 26.04 0.35 0.00 | 29.22 0.37 0.00 | 33.21 0.53 0.00 | 30.44 0.54 0.00 | 33.30 0.69 0.00 | 30.02 0.44 0.00 | 28.98 0.38 0.00 | 30.79 0.31 0.00 | 31.36 0.25 0.00 | 25.12 0.27 0.00 |
| GOUDEY___7 23579 | 14.44 0.03 0.00 | 13.32 0.05 0.00 | 13.39 0.05 0.00 | 13.91 0.09 0.00 | 15.44 0.16 0.00 | 16.50 0.10 0.00 | 22.37 0.07 0.00 | 23.17 0.13 0.00 | 26.24 0.09 0.00 | 25.79 0.14 0.00 | 25.54 0.20 0.00 | 30.54 0.29 0.00 | 28.80 0.38 0.00 | 26.63 0.34 0.00 | 26.06 0.38 0.00 | 29.25 0.40 0.00 | 33.24 0.56 0.00 | 30.47 0.57 0.00 | 33.34 0.72 0.00 | 30.04 0.47 0.00 | 29.01 0.41 0.00 | 30.81 0.34 0.00 | 31.39 0.28 0.00 | 25.14 0.29 0.00 |
| GOUDEY___8 23580 | 14.44 0.02 0.00 | 13.32 0.05 0.00 | 13.38 0.04 0.00 | 13.90 0.08 0.00 | 15.43 0.15 0.00 | 16.49 0.09 0.00 | 22.35 0.05 0.00 | 23.15 0.11 0.00 | 26.22 0.07 0.00 | 25.77 0.12 0.00 | 25.52 0.18 0.00 | 30.52 0.27 0.00 | 28.77 0.35 0.00 | 26.60 0.32 0.00 | 26.04 0.35 0.00 | 29.22 0.37 0.00 | 33.21 0.53 0.00 | 30.44 0.54 0.00 | 33.30 0.69 0.00 | 30.02 0.44 0.00 | 28.98 0.38 0.00 | 30.79 0.31 0.00 | 31.36 0.25 0.00 | 25.12 0.27 0.00 |
| GOWANUS_GT1_1 24077 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT1_2 24078 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT1_3 24079 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT1_4 24080 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT1_5 24084 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT1_6 24111 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT1_7 24112 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT1_8 24113 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT2_1 24114 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT2_2 24115 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT2_3 24116 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT2_4 24117 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |

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| GOWANUS_GT2_5 24118 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT2_6 24119 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT2_7 24120 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT2_8 24121 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT3_1 24122 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT3_2 24123 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT3_3 24124 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT3_4 24125 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT3_5 24126 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT3_6 24127 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT3_7 24128 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT3_8 24129 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT4_1 24130 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT4_2 24131 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT4_3 24132 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |

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|---|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT4_4 24133 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT4_5 24134 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT4_6 24135 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT4_7 24136 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GOWANUS_GT4_8 24137 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GREENBSH_115KV_TB3 55895 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.61 0.00 | 17.05 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.60 0.96 0.00 | 26.12 0.78 0.00 | 31.13 0.88 0.00 | 29.31 0.89 0.00 | 27.11 0.83 0.00 | 26.50 0.81 0.00 | 29.77 0.92 0.00 | 33.73 1.05 0.00 | 30.97 1.08 0.00 | 33.69 1.07 0.00 | 30.47 0.90 0.00 | 29.39 0.78 0.00 | 31.15 0.67 0.00 | 31.65 0.54 0.00 | 25.37 0.52 0.00 |
| GREENDGE_115KV_TB5 80291 | 10.19 -0.43 3.79 | 12.37 -0.38 0.52 | 12.93 -0.41 0.00 | 13.50 -0.32 0.00 | 15.06 -0.22 0.00 | 16.10 -0.30 0.00 | 21.90 -0.40 0.00 | 22.85 -0.20 0.00 | 25.75 -0.40 0.00 | 25.39 -0.26 0.00 | 25.18 -0.16 0.00 | 30.07 -0.18 0.00 | 28.44 0.03 0.00 | 26.20 -0.08 0.00 | 25.61 -0.07 0.00 | 28.64 -0.21 0.00 | 32.33 -0.36 0.00 | 29.50 -0.39 0.00 | 32.42 -0.19 0.00 | 29.15 -0.43 0.00 | 28.27 -0.34 0.00 | 30.09 -0.38 0.00 | 30.57 -0.54 0.00 | 24.67 -0.18 0.00 |
| GREENIDGE___3 23582 | 10.19 -0.43 3.79 | 12.37 -0.38 0.52 | 12.93 -0.41 0.00 | 13.50 -0.32 0.00 | 15.06 -0.22 0.00 | 16.10 -0.30 0.00 | 21.90 -0.40 0.00 | 22.85 -0.20 0.00 | 25.75 -0.40 0.00 | 25.39 -0.26 0.00 | 25.18 -0.16 0.00 | 30.07 -0.18 0.00 | 28.44 0.03 0.00 | 26.20 -0.08 0.00 | 25.61 -0.07 0.00 | 28.64 -0.21 0.00 | 32.33 -0.36 0.00 | 29.50 -0.39 0.00 | 32.42 -0.19 0.00 | 29.15 -0.43 0.00 | 28.27 -0.34 0.00 | 30.09 -0.38 0.00 | 30.57 -0.54 0.00 | 24.67 -0.18 0.00 |
| GREENIDGE___4 23583 | 10.36 -0.43 3.62 | 12.74 -0.38 0.15 | 13.22 -0.41 -0.29 | 13.85 -0.32 -0.35 | 15.55 -0.49 -0.32 | 16.42 -0.31 -0.32 | 22.56 -0.40 -0.67 | 23.79 -0.20 -0.94 | 28.35 -0.40 -2.60 | 27.28 -0.27 -1.91 | 26.98 -0.16 -1.80 | 30.78 -0.19 -0.72 | 29.05 0.02 -0.62 | 26.86 -0.09 -0.67 | 27.04 -0.09 -1.45 | 30.46 -0.21 -1.82 | 33.29 -0.38 -0.99 | 30.42 -0.39 -0.92 | 33.53 -0.19 -1.10 | 30.08 -0.42 -0.93 | 29.59 -0.34 -1.33 | 31.74 -0.38 -1.64 | 35.49 -0.55 -4.93 | 30.68 -0.18 -6.01 |
| GREENLWN_69_KV_BK 3 55738 | 15.40 0.99 0.00 | 14.15 0.88 0.00 | 14.20 0.85 0.00 | 14.66 0.84 0.00 | 16.18 0.89 0.00 | 17.33 0.93 0.00 | 23.62 1.32 0.00 | 24.51 1.46 0.00 | 28.02 1.88 0.00 | 27.50 1.85 0.00 | 27.14 1.80 0.00 | 32.32 2.07 0.00 | 30.36 1.95 0.00 | 28.32 2.04 0.00 | 27.64 1.95 0.00 | 30.88 2.03 0.00 | 34.94 2.26 0.00 | 32.34 2.45 0.00 | 35.20 2.59 0.00 | 31.84 2.27 0.00 | 30.59 1.98 0.00 | 32.19 1.72 0.00 | 32.60 1.49 0.00 | 26.04 1.19 0.00 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| GRISSOM___SOLAR 323813 | 15.49 1.07 0.00 | 14.23 0.96 0.00 | 14.32 0.98 0.00 | 14.87 1.05 0.00 | 16.52 1.24 0.00 | 17.73 1.33 0.00 | 24.38 2.08 0.00 | 25.30 2.25 0.00 | 28.59 2.45 0.00 | 27.90 2.26 0.00 | 27.64 2.30 0.00 | 32.86 2.61 0.00 | 31.04 2.62 0.00 | 28.73 2.45 0.00 | 28.07 2.39 0.00 | 31.55 2.70 0.00 | 36.10 3.42 0.00 | 33.15 3.25 0.00 | 36.33 3.72 0.00 | 32.83 3.26 0.00 | 31.64 3.03 0.00 | 33.48 3.01 0.00 | 34.06 2.95 0.00 | 27.14 2.29 0.00 |
| GROVEVILLE___HYD 323602 | 15.27 0.86 0.00 | 14.05 0.78 0.00 | 14.12 0.78 0.00 | 14.62 0.80 0.00 | 16.15 0.86 0.00 | 17.30 0.90 0.00 | 23.51 1.21 0.00 | 24.41 1.37 0.00 | 27.71 1.56 0.00 | 27.17 1.53 0.00 | 26.65 1.31 0.00 | 31.67 1.42 0.00 | 29.74 1.32 0.00 | 27.57 1.29 0.00 | 26.91 1.23 0.00 | 30.18 1.33 0.00 | 34.18 1.50 0.00 | 31.79 1.90 0.00 | 34.85 2.24 0.00 | 31.51 1.94 0.00 | 30.29 1.68 0.00 | 31.91 1.44 0.00 | 32.38 1.27 0.00 | 25.92 1.06 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 14.36 -0.05 0.00 | 13.24 -0.03 0.00 | 13.29 -0.05 0.00 | 13.79 -0.03 0.00 | 15.26 -0.03 0.00 | 16.33 -0.07 0.00 | 22.09 -0.21 0.00 | 22.83 -0.21 0.00 | 25.88 -0.26 0.00 | 25.42 -0.22 0.00 | 25.11 -0.23 0.00 | 30.00 -0.25 0.00 | 28.22 -0.19 0.00 | 26.12 -0.16 0.00 | 25.55 -0.14 0.00 | 28.68 -0.17 0.00 | 32.49 -0.19 0.00 | 29.74 -0.15 0.00 | 32.52 -0.10 0.00 | 29.35 -0.22 0.00 | 28.40 -0.20 0.00 | 30.18 -0.30 0.00 | 30.78 -0.33 0.00 | 24.68 -0.17 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 14.36 -0.05 0.00 | 13.23 -0.04 0.00 | 13.27 -0.07 0.00 | 13.77 -0.05 0.00 | 15.27 -0.02 0.00 | 16.34 -0.06 0.00 | 22.10 -0.20 0.00 | 22.85 -0.19 0.00 | 25.91 -0.23 0.00 | 25.43 -0.21 0.00 | 25.11 -0.23 0.00 | 29.99 -0.26 0.00 | 28.23 -0.18 0.00 | 26.15 -0.13 0.00 | 25.56 -0.12 0.00 | 28.70 -0.15 0.00 | 32.53 -0.15 0.00 | 29.78 -0.12 0.00 | 32.57 -0.04 0.00 | 29.40 -0.17 0.00 | 28.45 -0.15 0.00 | 30.20 -0.27 0.00 | 30.80 -0.31 0.00 | 24.70 -0.15 0.00 |

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| HAMPSHIRE___PAPER_HYD 323593 | 15.38 -0.54 -1.51 | 15.59 -0.52 -2.84 | 14.64 -0.50 -1.80 | 16.20 -0.54 -2.92 | 15.99 -0.55 -1.25 | 15.88 -0.52 0.00 | 21.73 -0.57 0.00 | 22.46 -0.59 0.00 | 25.33 -0.82 0.00 | 25.04 -0.60 0.00 | 24.99 -0.35 0.00 | 29.95 -0.30 0.00 | 28.17 -0.25 0.00 | 25.93 -0.35 0.00 | 25.30 -0.38 0.00 | 28.50 -0.35 0.00 | 32.07 -0.61 0.00 | 29.33 -0.56 0.00 | 31.93 -0.69 0.00 | 29.23 -0.34 0.00 | 28.40 -0.20 0.00 | 30.44 -0.04 0.00 | 31.28 0.17 0.00 | 24.93 0.08 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 14.32 -0.10 0.00 | 13.28 -0.05 -0.06 | 13.43 -0.05 -0.14 | 13.79 -0.04 -0.01 | 15.28 -0.01 0.00 | 16.41 0.01 0.00 | 22.22 -0.08 0.00 | 23.04 -0.01 0.00 | 26.19 0.04 0.00 | 25.81 0.16 0.00 | 25.21 -0.13 0.00 | 30.12 -0.13 0.00 | 28.35 -0.07 0.00 | 26.22 -0.06 0.00 | 25.48 -0.21 0.00 | 28.70 -0.15 0.00 | 32.76 0.07 0.00 | 29.97 0.07 0.00 | 32.96 0.35 0.00 | 29.80 0.22 0.00 | 28.70 0.09 0.00 | 30.45 -0.03 0.00 | 30.87 -0.24 0.00 | 24.69 -0.16 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 15.24 0.83 0.00 | 13.99 0.72 0.00 | 14.06 0.72 0.00 | 14.56 0.74 0.00 | 16.09 0.80 0.00 | 17.24 0.83 0.00 | 23.44 1.14 0.00 | 24.37 1.33 0.00 | 27.68 1.54 0.00 | 27.20 1.55 0.00 | 26.75 1.41 0.00 | 31.90 1.65 0.00 | 30.02 1.60 0.00 | 27.86 1.58 0.00 | 27.18 1.49 0.00 | 30.46 1.60 0.00 | 34.50 1.82 0.00 | 31.94 2.04 0.00 | 34.82 2.21 0.00 | 31.46 1.89 0.00 | 30.23 1.62 0.00 | 31.83 1.36 0.00 | 32.32 1.21 0.00 | 25.87 1.02 0.00 |
| HARSNRAD_115KV_TB1 81005 | 12.31 -1.26 0.84 | 12.02 -1.14 0.11 | 12.11 -1.23 0.00 | 12.73 -1.09 0.00 | 14.26 -1.03 0.00 | 15.24 -1.16 0.00 | 20.53 -1.77 0.00 | 20.95 -2.10 0.00 | 23.70 -2.44 0.00 | 23.37 -2.27 0.00 | 22.99 -2.35 0.00 | 27.47 -2.78 0.00 | 26.01 -2.41 0.00 | 24.07 -2.21 0.00 | 23.71 -1.97 0.00 | 26.65 -2.20 0.00 | 30.31 -2.37 0.00 | 27.21 -2.69 0.00 | 29.82 -2.80 0.00 | 26.81 -2.76 0.00 | 26.33 -2.28 0.00 | 28.01 -2.47 0.00 | 28.85 -2.26 0.00 | 23.68 -1.17 0.00 |
| HARZA MOOSE___RIVER 24016 | 14.61 -0.23 -0.42 | 13.92 -0.19 -0.84 | 13.75 -0.20 -0.61 | 14.43 -0.21 -0.82 | 15.45 -0.19 -0.35 | 16.20 -0.21 0.00 | 22.09 -0.20 0.00 | 22.88 -0.16 0.00 | 25.85 -0.29 0.00 | 25.51 -0.13 0.00 | 25.42 0.08 0.00 | 30.53 0.27 0.00 | 28.72 0.30 0.00 | 26.50 0.22 0.00 | 25.91 0.22 0.00 | 29.22 0.37 0.00 | 33.05 0.36 0.00 | 30.35 0.45 0.00 | 33.04 0.42 0.00 | 29.99 0.42 0.00 | 28.98 0.38 0.00 | 30.88 0.41 0.00 | 31.68 0.56 0.00 | 25.32 0.47 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 14.27 -0.15 0.00 | 13.14 -0.13 0.00 | 13.20 -0.14 0.00 | 13.70 -0.12 0.00 | 15.15 -0.13 0.00 | 16.21 -0.19 0.00 | 21.90 -0.40 0.00 | 22.60 -0.44 0.00 | 25.62 -0.53 0.00 | 25.14 -0.50 0.00 | 24.83 -0.51 0.00 | 29.68 -0.57 0.00 | 27.94 -0.48 0.00 | 25.87 -0.41 0.00 | 25.34 -0.35 0.00 | 28.45 -0.40 0.00 | 32.21 -0.48 0.00 | 29.45 -0.44 0.00 | 32.19 -0.42 0.00 | 29.07 -0.50 0.00 | 28.12 -0.49 0.00 | 29.91 -0.57 0.00 | 30.55 -0.56 0.00 | 24.50 -0.35 0.00 |
| HELLGATE_13_KV_LD 55870 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.03 0.00 | 24.32 1.28 0.00 | 27.67 1.52 0.00 | 27.22 1.58 0.00 | 26.79 1.45 0.00 | 31.91 1.66 0.00 | 30.05 1.64 0.00 | 27.93 1.65 0.00 | 27.24 1.55 0.00 | 30.52 1.67 0.00 | 34.47 1.79 0.00 | 31.93 2.03 0.00 | 34.71 2.10 0.00 | 31.42 1.85 0.00 | 30.19 1.58 0.00 | 31.71 1.23 0.00 | 32.17 1.06 0.00 | 25.75 0.90 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.03 0.00 | 24.32 1.28 0.00 | 27.67 1.52 0.00 | 27.22 1.58 0.00 | 26.79 1.45 0.00 | 31.91 1.66 0.00 | 30.05 1.64 0.00 | 27.93 1.65 0.00 | 27.24 1.55 0.00 | 30.52 1.67 0.00 | 34.47 1.79 0.00 | 31.93 2.03 0.00 | 34.71 2.10 0.00 | 31.42 1.85 0.00 | 30.19 1.58 0.00 | 31.71 1.23 0.00 | 32.17 1.06 0.00 | 25.75 0.90 0.00 |
| HEMPSTEAD____ 23647 | 15.37 0.96 0.00 | 14.12 0.86 0.00 | 14.16 0.82 0.00 | 14.63 0.81 0.00 | 16.15 0.86 0.00 | 17.30 0.90 0.00 | 23.58 1.28 0.00 | 24.47 1.42 0.00 | 27.96 1.82 0.00 | 27.46 1.81 0.00 | 27.09 1.75 0.00 | 32.27 2.02 0.00 | 30.32 1.91 0.00 | 28.27 1.99 0.00 | 27.59 1.91 0.00 | 30.79 1.94 0.00 | 34.80 2.11 0.00 | 32.20 2.30 0.00 | 35.06 2.44 0.00 | 31.72 2.15 0.00 | 30.53 1.93 0.00 | 32.15 1.68 0.00 | 32.56 1.44 0.00 | 26.00 1.16 0.00 |
| HEWLETT__69_KV_BK3 55828 | 15.45 1.04 0.00 | 14.20 0.93 0.00 | 14.24 0.90 0.00 | 14.71 0.88 0.00 | 16.24 0.95 0.00 | 17.40 0.99 0.00 | 23.69 1.39 0.00 | 24.61 1.57 0.00 | 28.09 1.95 0.00 | 27.59 1.95 0.00 | 27.18 1.85 0.00 | 32.36 2.11 0.00 | 30.41 1.99 0.00 | 28.36 2.08 0.00 | 27.66 1.97 0.00 | 30.92 2.06 0.00 | 34.93 2.25 0.00 | 32.16 2.26 0.00 | 35.05 2.43 0.00 | 31.72 2.14 0.00 | 30.62 2.02 0.00 | 32.30 1.82 0.00 | 32.72 1.61 0.00 | 26.17 1.32 0.00 |
| HICKLING___1 23621 | 10.07 -0.44 3.91 | 12.35 -0.38 0.54 | 12.96 -0.38 0.00 | 13.53 -0.29 0.00 | 15.11 -0.18 0.00 | 16.11 -0.29 0.00 | 21.92 -0.38 0.00 | 23.06 0.01 0.00 | 26.03 -0.11 0.00 | 25.62 -0.03 0.00 | 25.50 0.16 0.00 | 30.55 0.30 0.00 | 28.87 0.46 0.00 | 26.67 0.39 0.00 | 26.07 0.39 0.00 | 29.20 0.35 0.00 | 32.87 0.19 0.00 | 29.94 0.04 0.00 | 32.85 0.23 0.00 | 29.46 -0.11 0.00 | 28.47 -0.14 0.00 | 30.35 -0.13 0.00 | 30.91 -0.20 0.00 | 24.81 -0.05 0.00 |
| HICKLING___2 23622 | 10.07 -0.44 3.91 | 12.35 -0.38 0.54 | 12.96 -0.38 0.00 | 13.53 -0.29 0.00 | 15.11 -0.18 0.00 | 16.11 -0.29 0.00 | 21.92 -0.38 0.00 | 23.06 0.01 0.00 | 26.03 -0.11 0.00 | 25.62 -0.03 0.00 | 25.50 0.16 0.00 | 30.55 0.30 0.00 | 28.87 0.46 0.00 | 26.67 0.39 0.00 | 26.07 0.39 0.00 | 29.20 0.35 0.00 | 32.87 0.19 0.00 | 29.94 0.04 0.00 | 32.85 0.23 0.00 | 29.46 -0.11 0.00 | 28.47 -0.14 0.00 | 30.35 -0.13 0.00 | 30.91 -0.20 0.00 | 24.81 -0.05 0.00 |
| HIGH FALLS___HY 23754 | 15.21 0.80 0.00 | 13.97 0.70 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.05 0.76 0.00 | 17.22 0.82 0.00 | 23.42 1.12 0.00 | 24.38 1.33 0.00 | 27.67 1.53 0.00 | 27.18 1.54 0.00 | 26.73 1.39 0.00 | 31.82 1.57 0.00 | 30.03 1.61 0.00 | 27.85 1.57 0.00 | 27.21 1.52 0.00 | 30.50 1.65 0.00 | 34.56 1.88 0.00 | 32.08 2.19 0.00 | 35.07 2.46 0.00 | 31.69 2.12 0.00 | 30.45 1.84 0.00 | 32.04 1.56 0.00 | 32.52 1.41 0.00 | 26.00 1.15 0.00 |
| HILLBURN___GT 23639 | 15.19 0.78 0.00 | 13.95 0.68 0.00 | 14.01 0.67 0.00 | 14.51 0.68 0.00 | 16.03 0.74 0.00 | 17.16 0.76 0.00 | 23.34 1.04 0.00 | 24.26 1.22 0.00 | 27.56 1.42 0.00 | 27.07 1.42 0.00 | 26.62 1.28 0.00 | 31.75 1.50 0.00 | 29.89 1.47 0.00 | 27.75 1.47 0.00 | 27.04 1.36 0.00 | 30.25 1.40 0.00 | 34.31 1.63 0.00 | 31.78 1.88 0.00 | 34.62 2.01 0.00 | 31.29 1.72 0.00 | 30.06 1.45 0.00 | 31.66 1.18 0.00 | 32.16 1.05 0.00 | 25.76 0.91 0.00 |
| HILLSIDE_115KV_TB1 80332 | 10.21 -0.51 3.69 | 12.33 -0.43 0.50 | 12.91 -0.43 0.00 | 13.46 -0.36 0.00 | 15.01 -0.28 0.00 | 15.99 -0.41 0.00 | 21.71 -0.59 0.00 | 22.83 -0.22 0.00 | 25.79 -0.35 0.00 | 25.38 -0.27 0.00 | 25.24 -0.10 0.00 | 30.22 -0.03 0.00 | 28.53 0.11 0.00 | 26.35 0.07 0.00 | 25.76 0.07 0.00 | 28.87 0.02 0.00 | 32.48 -0.20 0.00 | 29.58 -0.32 0.00 | 32.43 -0.19 0.00 | 29.09 -0.48 0.00 | 28.11 -0.49 0.00 | 29.98 -0.50 0.00 | 30.50 -0.61 0.00 | 24.44 -0.41 0.00 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| HISHELDN_WT_PWR 323625 | 11.63 -1.32 1.46 | 10.77 -1.20 1.31 | 11.17 -1.26 0.91 | 11.58 -1.12 1.12 | 12.68 -1.07 1.54 | 14.18 -1.23 1.00 | 18.34 -1.83 2.13 | 18.12 -2.05 2.87 | 17.14 -2.34 6.67 | 18.67 -2.09 4.88 | 18.68 -2.06 4.61 | 26.03 -2.37 1.85 | 24.89 -1.94 1.59 | 22.81 -1.76 1.71 | 20.44 -1.54 3.70 | 22.50 -1.70 4.65 | 28.41 -1.84 2.43 | 25.52 -2.18 2.19 | 27.70 -2.28 2.64 | 24.92 -2.43 2.22 | 23.53 -1.89 3.19 | 24.53 -2.02 3.92 | 17.56 -1.78 11.76 | 9.59 -0.90 14.36 |
| HOLTSVILLE_IC_1 23690 | 15.42 1.01 0.00 | 14.19 0.92 0.00 | 14.22 0.88 0.00 | 14.67 0.86 0.00 | 16.17 0.89 0.00 | 17.33 0.92 0.00 | 23.66 1.36 0.00 | 24.43 1.39 0.00 | 28.12 1.97 0.00 | 27.46 1.81 0.00 | 27.13 1.80 0.00 | 32.33 2.08 0.00 | 30.29 1.88 0.00 | 28.33 2.05 0.00 | 27.66 1.97 0.00 | 30.91 2.06 0.00 | 35.02 2.34 0.00 | 32.42 2.52 0.00 | 35.21 2.60 0.00 | 31.89 2.32 0.00 | 30.56 1.95 0.00 | 32.21 1.73 0.00 | 32.58 1.47 0.00 | 25.98 1.13 0.00 |
| HOLTSVILLE_IC_10 23699 | 15.49 1.07 0.00 | 14.24 0.98 0.00 | 14.28 0.94 0.00 | 14.73 0.91 0.00 | 16.24 0.95 0.00 | 17.40 1.00 0.00 | 23.78 1.48 0.00 | 24.56 1.51 0.00 | 28.27 2.12 0.00 | 27.61 1.97 0.00 | 27.28 1.94 0.00 | 32.51 2.26 0.00 | 30.47 2.05 0.00 | 28.49 2.21 0.00 | 27.82 2.13 0.00 | 31.09 2.24 0.00 | 35.24 2.56 0.00 | 32.62 2.73 0.00 | 35.44 2.83 0.00 | 32.09 2.52 0.00 | 30.74 2.14 0.00 | 32.39 1.92 0.00 | 32.75 1.64 0.00 | 26.10 1.25 0.00 |
| HOLTSVILLE_IC_2 23691 | 15.42 1.01 0.00 | 14.19 0.92 0.00 | 14.22 0.88 0.00 | 14.67 0.86 0.00 | 16.17 0.89 0.00 | 17.33 0.92 0.00 | 23.66 1.36 0.00 | 24.43 1.39 0.00 | 28.12 1.97 0.00 | 27.46 1.81 0.00 | 27.13 1.80 0.00 | 32.33 2.08 0.00 | 30.29 1.88 0.00 | 28.33 2.05 0.00 | 27.66 1.97 0.00 | 30.91 2.06 0.00 | 35.02 2.34 0.00 | 32.42 2.52 0.00 | 35.21 2.60 0.00 | 31.89 2.32 0.00 | 30.56 1.95 0.00 | 32.21 1.73 0.00 | 32.58 1.47 0.00 | 25.98 1.13 0.00 |
| HOLTSVILLE_IC_3 23692 | 15.42 1.01 0.00 | 14.19 0.92 0.00 | 14.22 0.88 0.00 | 14.67 0.86 0.00 | 16.17 0.89 0.00 | 17.33 0.92 0.00 | 23.66 1.36 0.00 | 24.43 1.39 0.00 | 28.12 1.97 0.00 | 27.46 1.81 0.00 | 27.13 1.80 0.00 | 32.33 2.08 0.00 | 30.29 1.88 0.00 | 28.33 2.05 0.00 | 27.66 1.97 0.00 | 30.91 2.06 0.00 | 35.02 2.34 0.00 | 32.42 2.52 0.00 | 35.21 2.60 0.00 | 31.89 2.32 0.00 | 30.56 1.95 0.00 | 32.21 1.73 0.00 | 32.58 1.47 0.00 | 25.98 1.13 0.00 |
| HOLTSVILLE_IC_4 23693 | 15.42 1.01 0.00 | 14.19 0.92 0.00 | 14.22 0.88 0.00 | 14.67 0.86 0.00 | 16.17 0.89 0.00 | 17.33 0.92 0.00 | 23.66 1.36 0.00 | 24.43 1.39 0.00 | 28.12 1.97 0.00 | 27.46 1.81 0.00 | 27.13 1.80 0.00 | 32.33 2.08 0.00 | 30.29 1.88 0.00 | 28.33 2.05 0.00 | 27.66 1.97 0.00 | 30.91 2.06 0.00 | 35.02 2.34 0.00 | 32.42 2.52 0.00 | 35.21 2.60 0.00 | 31.89 2.32 0.00 | 30.56 1.95 0.00 | 32.21 1.73 0.00 | 32.58 1.47 0.00 | 25.98 1.13 0.00 |
| HOLTSVILLE_IC_5 23694 | 15.42 1.01 0.00 | 14.19 0.92 0.00 | 14.22 0.88 0.00 | 14.67 0.86 0.00 | 16.17 0.89 0.00 | 17.33 0.92 0.00 | 23.66 1.36 0.00 | 24.43 1.39 0.00 | 28.12 1.97 0.00 | 27.46 1.81 0.00 | 27.13 1.80 0.00 | 32.33 2.08 0.00 | 30.29 1.88 0.00 | 28.33 2.05 0.00 | 27.66 1.97 0.00 | 30.91 2.06 0.00 | 35.02 2.34 0.00 | 32.42 2.52 0.00 | 35.21 2.60 0.00 | 31.89 2.32 0.00 | 30.56 1.95 0.00 | 32.21 1.73 0.00 | 32.58 1.47 0.00 | 25.98 1.13 0.00 |
| HOLTSVILLE_IC_6 23695 | 15.49 1.07 0.00 | 14.24 0.98 0.00 | 14.28 0.94 0.00 | 14.73 0.91 0.00 | 16.24 0.95 0.00 | 17.40 1.00 0.00 | 23.78 1.48 0.00 | 24.56 1.51 0.00 | 28.27 2.12 0.00 | 27.61 1.97 0.00 | 27.28 1.94 0.00 | 32.51 2.26 0.00 | 30.47 2.05 0.00 | 28.49 2.21 0.00 | 27.82 2.13 0.00 | 31.09 2.24 0.00 | 35.24 2.56 0.00 | 32.62 2.73 0.00 | 35.44 2.83 0.00 | 32.09 2.52 0.00 | 30.74 2.14 0.00 | 32.39 1.92 0.00 | 32.75 1.64 0.00 | 26.10 1.25 0.00 |
| HOLTSVILLE_IC_7 23696 | 15.49 1.07 0.00 | 14.24 0.98 0.00 | 14.28 0.94 0.00 | 14.73 0.91 0.00 | 16.24 0.95 0.00 | 17.40 1.00 0.00 | 23.78 1.48 0.00 | 24.56 1.51 0.00 | 28.27 2.12 0.00 | 27.61 1.97 0.00 | 27.28 1.94 0.00 | 32.51 2.26 0.00 | 30.47 2.05 0.00 | 28.49 2.21 0.00 | 27.82 2.13 0.00 | 31.09 2.24 0.00 | 35.24 2.56 0.00 | 32.62 2.73 0.00 | 35.44 2.83 0.00 | 32.09 2.52 0.00 | 30.74 2.14 0.00 | 32.39 1.92 0.00 | 32.75 1.64 0.00 | 26.10 1.25 0.00 |
| HOLTSVILLE_IC_8 23697 | 15.49 1.07 0.00 | 14.24 0.98 0.00 | 14.28 0.94 0.00 | 14.73 0.91 0.00 | 16.24 0.95 0.00 | 17.40 1.00 0.00 | 23.78 1.48 0.00 | 24.56 1.51 0.00 | 28.27 2.12 0.00 | 27.61 1.97 0.00 | 27.28 1.94 0.00 | 32.51 2.26 0.00 | 30.47 2.05 0.00 | 28.49 2.21 0.00 | 27.82 2.13 0.00 | 31.09 2.24 0.00 | 35.24 2.56 0.00 | 32.62 2.73 0.00 | 35.44 2.83 0.00 | 32.09 2.52 0.00 | 30.74 2.14 0.00 | 32.39 1.92 0.00 | 32.75 1.64 0.00 | 26.10 1.25 0.00 |
| HOLTSVILLE_IC_9 23698 | 15.49 1.07 0.00 | 14.24 0.98 0.00 | 14.28 0.94 0.00 | 14.73 0.91 0.00 | 16.24 0.95 0.00 | 17.40 1.00 0.00 | 23.78 1.48 0.00 | 24.56 1.51 0.00 | 28.27 2.12 0.00 | 27.61 1.97 0.00 | 27.28 1.94 0.00 | 32.51 2.26 0.00 | 30.47 2.05 0.00 | 28.49 2.21 0.00 | 27.82 2.13 0.00 | 31.09 2.24 0.00 | 35.24 2.56 0.00 | 32.62 2.73 0.00 | 35.44 2.83 0.00 | 32.09 2.52 0.00 | 30.74 2.14 0.00 | 32.39 1.92 0.00 | 32.75 1.64 0.00 | 26.10 1.25 0.00 |
| HOMER_HL_115KV_TB2 355744 | 12.68 -0.34 1.40 | 12.79 -0.29 0.19 | 13.04 -0.30 0.00 | 13.70 -0.12 0.00 | 15.30 0.01 0.00 | 16.25 -0.15 0.00 | 21.85 -0.45 0.00 | 22.51 -0.53 0.00 | 25.41 -0.74 0.00 | 25.06 -0.58 0.00 | 24.89 -0.45 0.00 | 30.03 -0.22 0.00 | 28.55 0.14 0.00 | 26.43 0.15 0.00 | 25.98 0.30 0.00 | 29.16 0.30 0.00 | 32.83 0.15 0.00 | 29.69 -0.21 0.00 | 32.41 -0.21 0.00 | 29.06 -0.51 0.00 | 28.34 -0.27 0.00 | 30.22 -0.26 0.00 | 31.18 0.07 0.00 | 25.38 0.53 0.00 |
| HOWARD_WT_PWR 323690 | 9.86 -1.00 3.55 | 12.08 -0.93 0.26 | 12.53 -1.00 -0.20 | 13.33 -0.73 -0.24 | 15.16 -0.45 -0.33 | 15.93 -0.68 -0.21 | 22.03 -0.71 -0.45 | 23.36 -0.36 -0.67 | 27.63 -0.46 -1.94 | 26.75 -0.31 -1.42 | 26.61 -0.06 -1.34 | 30.77 -0.02 -0.54 | 29.10 0.22 -0.46 | 27.00 0.22 -0.50 | 26.98 0.21 -1.08 | 30.32 0.12 -1.35 | 33.34 -0.07 -0.73 | 30.50 -0.07 -0.67 | 33.57 0.15 -0.80 | 29.86 -0.39 -0.68 | 29.15 -0.43 -0.97 | 31.29 -0.39 -1.20 | 34.46 -0.24 -3.59 | 29.39 0.16 -4.38 |
| HQ_GEN_CEDARS 23644 | 14.81 -0.24 -0.64 | 13.38 -0.25 -0.37 | 11.87 -0.23 1.24 | 14.71 -0.24 -1.13 | 15.56 -0.26 -0.53 | 16.22 -0.18 0.00 | 22.22 -0.08 0.00 | 22.92 -0.12 0.00 | 25.97 -0.18 0.00 | 25.54 -0.11 0.00 | 25.35 0.01 0.00 | 30.29 0.04 0.00 | 28.40 -0.02 0.00 | 26.18 -0.10 0.00 | 25.55 -0.14 0.00 | 28.73 -0.12 0.00 | 32.45 -0.23 0.00 | 29.42 -0.47 0.00 | 32.13 -0.48 0.00 | 29.38 -0.19 0.00 | 28.59 -0.01 0.00 | 30.74 0.26 0.00 | 31.47 0.36 0.00 | 25.01 0.16 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 14.81 -0.24 -0.64 | 13.38 -0.25 -0.37 | 11.87 -0.23 1.24 | 14.71 -0.24 -1.13 | 15.55 -0.26 -0.53 | 16.22 -0.18 0.00 | 22.22 -0.08 0.00 | 22.92 -0.12 0.00 | 25.97 -0.18 0.00 | 25.54 -0.11 0.00 | 25.35 0.01 0.00 | 30.29 0.03 0.00 | 28.40 -0.02 0.00 | 26.18 -0.10 0.00 | 25.56 -0.13 0.00 | 28.73 -0.12 0.00 | 32.46 -0.23 0.00 | 29.42 -0.47 0.00 | 32.13 -0.48 0.00 | 29.37 -0.20 0.00 | 28.59 -0.01 0.00 | 30.74 0.26 0.00 | 31.47 0.36 0.00 | 25.02 0.16 0.00 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| HQ_GEN_IMPORT 323601 | 14.22 -0.19 0.00 | 12.79 -0.19 0.28 | 12.47 -0.19 0.68 | 13.58 -0.21 0.03 | 15.07 -0.22 0.00 | 16.23 -0.17 0.00 | 22.21 -0.09 0.00 | 22.91 -0.14 0.00 | 25.98 -0.17 0.00 | 25.46 -0.19 0.00 | 25.26 -0.08 0.00 | 30.16 -0.09 0.00 | 28.27 -0.15 0.00 | 26.10 -0.18 0.00 | 25.50 -0.18 0.00 | 28.66 -0.19 0.00 | 32.46 -0.23 0.00 | 29.53 -0.37 0.00 | 32.24 -0.37 0.00 | 29.36 -0.21 0.00 | 28.49 -0.12 0.00 | 30.55 0.07 0.00 | 31.26 0.15 0.00 | 24.85 0.00 0.00 |
| HQ_GEN_WHEEL 23651 | 14.22 -0.19 0.00 | 12.79 -0.19 0.28 | 12.47 -0.19 0.68 | 13.58 -0.21 0.03 | 15.07 -0.22 0.00 | 16.23 -0.17 0.00 | 22.21 -0.09 0.00 | 22.91 -0.14 0.00 | 25.98 -0.17 0.00 | 25.46 -0.19 0.00 | 25.26 -0.08 0.00 | 30.16 -0.09 0.00 | 28.27 -0.15 0.00 | 26.10 -0.18 0.00 | 25.50 -0.18 0.00 | 28.66 -0.19 0.00 | 32.46 -0.23 0.00 | 29.53 -0.37 0.00 | 32.24 -0.37 0.00 | 29.36 -0.21 0.00 | 28.49 -0.12 0.00 | 30.55 0.07 0.00 | 31.26 0.15 0.00 | 24.85 0.00 0.00 |
| HUDSON AVE_GT_3 23810 | 15.25 0.84 0.00 | 13.99 0.73 0.00 | 14.06 0.72 0.00 | 14.55 0.73 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.35 1.05 0.00 | 24.34 1.30 0.00 | 27.68 1.54 0.00 | 27.23 1.58 0.00 | 26.80 1.46 0.00 | 31.93 1.68 0.00 | 30.06 1.65 0.00 | 27.94 1.66 0.00 | 27.25 1.57 0.00 | 30.54 1.69 0.00 | 34.51 1.82 0.00 | 31.96 2.06 0.00 | 34.76 2.14 0.00 | 31.44 1.87 0.00 | 30.21 1.61 0.00 | 31.74 1.27 0.00 | 32.21 1.10 0.00 | 25.78 0.93 0.00 |
| HUDSON AVE_GT_4 23540 | 15.25 0.84 0.00 | 13.99 0.73 0.00 | 14.06 0.72 0.00 | 14.55 0.73 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.35 1.05 0.00 | 24.34 1.30 0.00 | 27.68 1.54 0.00 | 27.23 1.58 0.00 | 26.80 1.46 0.00 | 31.93 1.68 0.00 | 30.06 1.65 0.00 | 27.94 1.66 0.00 | 27.25 1.57 0.00 | 30.54 1.69 0.00 | 34.51 1.82 0.00 | 31.96 2.06 0.00 | 34.76 2.14 0.00 | 31.44 1.87 0.00 | 30.21 1.61 0.00 | 31.74 1.27 0.00 | 32.21 1.10 0.00 | 25.78 0.93 0.00 |
| HUDSON AVE_GT_5 23657 | 15.25 0.84 0.00 | 13.99 0.73 0.00 | 14.06 0.72 0.00 | 14.55 0.73 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.35 1.05 0.00 | 24.34 1.30 0.00 | 27.68 1.54 0.00 | 27.23 1.58 0.00 | 26.80 1.46 0.00 | 31.93 1.68 0.00 | 30.06 1.65 0.00 | 27.94 1.66 0.00 | 27.25 1.57 0.00 | 30.54 1.69 0.00 | 34.51 1.82 0.00 | 31.96 2.06 0.00 | 34.76 2.14 0.00 | 31.44 1.87 0.00 | 30.21 1.61 0.00 | 31.74 1.27 0.00 | 32.21 1.10 0.00 | 25.78 0.93 0.00 |
| HUDSON_AVE_10 24168 | 15.22 0.81 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.03 0.74 0.00 | 17.14 0.74 0.00 | 23.29 0.99 0.00 | 24.30 1.25 0.00 | 27.62 1.47 0.00 | 27.17 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.01 1.59 0.00 | 27.88 1.60 0.00 | 27.20 1.52 0.00 | 30.48 1.63 0.00 | 34.44 1.76 0.00 | 31.89 1.99 0.00 | 34.69 2.08 0.00 | 31.38 1.81 0.00 | 30.14 1.54 0.00 | 31.68 1.21 0.00 | 32.14 1.03 0.00 | 25.73 0.87 0.00 |
| HUDSON___115KV_TB 4 355613 | 15.16 0.75 0.00 | 14.01 0.74 0.00 | 14.07 0.73 0.00 | 14.60 0.78 0.00 | 16.14 0.86 0.00 | 17.33 0.92 0.00 | 23.45 1.15 0.00 | 24.27 1.23 0.00 | 27.59 1.45 0.00 | 27.11 1.47 0.00 | 26.62 1.28 0.00 | 31.74 1.49 0.00 | 29.86 1.45 0.00 | 27.61 1.33 0.00 | 26.99 1.31 0.00 | 30.35 1.50 0.00 | 34.45 1.77 0.00 | 31.64 1.74 0.00 | 34.44 1.83 0.00 | 31.11 1.54 0.00 | 29.99 1.39 0.00 | 31.77 1.29 0.00 | 32.23 1.12 0.00 | 25.80 0.95 0.00 |
| HUNTER MOUNT___DRP 323613 | 15.23 0.81 0.00 | 14.08 0.81 0.00 | 14.15 0.81 0.00 | 14.68 0.86 0.00 | 16.23 0.94 0.00 | 17.43 1.03 0.00 | 23.59 1.29 0.00 | 24.41 1.37 0.00 | 27.76 1.62 0.00 | 27.29 1.64 0.00 | 26.79 1.46 0.00 | 31.96 1.71 0.00 | 30.06 1.64 0.00 | 27.78 1.50 0.00 | 27.17 1.48 0.00 | 30.56 1.71 0.00 | 34.71 2.03 0.00 | 31.84 1.95 0.00 | 34.66 2.04 0.00 | 31.29 1.72 0.00 | 30.17 1.56 0.00 | 31.97 1.50 0.00 | 32.43 1.32 0.00 | 25.95 1.10 0.00 |
| HUNTINGTON_RES_REC 323705 | 15.45 1.03 0.00 | 14.19 0.93 0.00 | 14.23 0.89 0.00 | 14.70 0.87 0.00 | 16.21 0.92 0.00 | 17.37 0.97 0.00 | 23.70 1.40 0.00 | 24.56 1.51 0.00 | 28.15 2.00 0.00 | 27.57 1.93 0.00 | 27.23 1.89 0.00 | 32.43 2.17 0.00 | 30.44 2.02 0.00 | 28.42 2.14 0.00 | 27.75 2.07 0.00 | 31.01 2.15 0.00 | 35.12 2.44 0.00 | 32.51 2.61 0.00 | 35.37 2.76 0.00 | 32.00 2.43 0.00 | 30.71 2.10 0.00 | 32.33 1.85 0.00 | 32.70 1.59 0.00 | 26.09 1.24 0.00 |
| HUNTLEY___63 23557 | 12.39 -1.13 0.89 | 12.13 -1.02 0.12 | 12.23 -1.11 0.00 | 12.85 -0.97 0.00 | 14.40 -0.89 0.00 | 15.39 -1.01 0.00 | 20.74 -1.55 0.00 | 21.19 -1.85 0.00 | 23.99 -2.15 0.00 | 23.68 -1.96 0.00 | 23.31 -2.03 0.00 | 27.81 -2.44 0.00 | 26.34 -2.08 0.00 | 24.38 -1.90 0.00 | 24.04 -1.65 0.00 | 27.01 -1.84 0.00 | 30.67 -2.01 0.00 | 27.52 -2.37 0.00 | 30.18 -2.44 0.00 | 27.10 -2.47 0.00 | 26.66 -1.94 0.00 | 28.36 -2.12 0.00 | 29.20 -1.91 0.00 | 23.93 -0.92 0.00 |
| HUNTLEY___64 23558 | 12.39 -1.13 0.89 | 12.13 -1.02 0.12 | 12.23 -1.11 0.00 | 12.85 -0.97 0.00 | 14.40 -0.89 0.00 | 15.39 -1.01 0.00 | 20.74 -1.55 0.00 | 21.19 -1.85 0.00 | 23.99 -2.15 0.00 | 23.68 -1.96 0.00 | 23.31 -2.03 0.00 | 27.81 -2.44 0.00 | 26.34 -2.08 0.00 | 24.38 -1.90 0.00 | 24.04 -1.65 0.00 | 27.01 -1.84 0.00 | 30.67 -2.01 0.00 | 27.52 -2.37 0.00 | 30.18 -2.44 0.00 | 27.10 -2.47 0.00 | 26.66 -1.94 0.00 | 28.36 -2.12 0.00 | 29.20 -1.91 0.00 | 23.93 -0.92 0.00 |
| HUNTLEY___65 23559 | 12.39 -1.13 0.89 | 12.13 -1.02 0.12 | 12.23 -1.11 0.00 | 12.85 -0.97 0.00 | 14.40 -0.89 0.00 | 15.39 -1.01 0.00 | 20.74 -1.55 0.00 | 21.19 -1.85 0.00 | 23.99 -2.15 0.00 | 23.68 -1.96 0.00 | 23.31 -2.03 0.00 | 27.81 -2.44 0.00 | 26.34 -2.08 0.00 | 24.38 -1.90 0.00 | 24.04 -1.65 0.00 | 27.01 -1.84 0.00 | 30.67 -2.01 0.00 | 27.52 -2.37 0.00 | 30.18 -2.44 0.00 | 27.10 -2.47 0.00 | 26.66 -1.94 0.00 | 28.36 -2.12 0.00 | 29.20 -1.91 0.00 | 23.93 -0.92 0.00 |
| HUNTLEY___66 23560 | 12.39 -1.13 0.89 | 12.13 -1.02 0.12 | 12.23 -1.11 0.00 | 12.85 -0.97 0.00 | 14.40 -0.89 0.00 | 15.39 -1.01 0.00 | 20.74 -1.55 0.00 | 21.19 -1.85 0.00 | 23.99 -2.15 0.00 | 23.68 -1.96 0.00 | 23.31 -2.03 0.00 | 27.81 -2.44 0.00 | 26.34 -2.08 0.00 | 24.38 -1.90 0.00 | 24.04 -1.65 0.00 | 27.01 -1.84 0.00 | 30.67 -2.01 0.00 | 27.52 -2.37 0.00 | 30.18 -2.44 0.00 | 27.10 -2.47 0.00 | 26.66 -1.94 0.00 | 28.36 -2.12 0.00 | 29.20 -1.91 0.00 | 23.93 -0.92 0.00 |
| HUNTLEY___67 23561 | 12.32 -1.19 0.90 | 12.07 -1.08 0.12 | 12.19 -1.15 0.00 | 12.80 -1.02 0.00 | 14.34 -0.95 0.00 | 15.32 -1.09 0.00 | 20.62 -1.68 0.00 | 21.08 -1.96 0.00 | 23.85 -2.29 0.00 | 23.54 -2.11 0.00 | 23.21 -2.13 0.00 | 27.76 -2.49 0.00 | 26.29 -2.12 0.00 | 24.34 -1.94 0.00 | 23.97 -1.71 0.00 | 26.91 -1.94 0.00 | 30.59 -2.09 0.00 | 27.43 -2.47 0.00 | 30.05 -2.56 0.00 | 27.01 -2.57 0.00 | 26.55 -2.06 0.00 | 28.25 -2.22 0.00 | 29.05 -2.06 0.00 | 23.77 -1.08 0.00 |
| HUNTLEY___68 23562 | 12.32 -1.19 0.90 | 12.07 -1.08 0.12 | 12.19 -1.15 0.00 | 12.80 -1.02 0.00 | 14.34 -0.95 0.00 | 15.32 -1.09 0.00 | 20.62 -1.68 0.00 | 21.08 -1.96 0.00 | 23.85 -2.29 0.00 | 23.54 -2.11 0.00 | 23.21 -2.13 0.00 | 27.76 -2.49 0.00 | 26.29 -2.12 0.00 | 24.34 -1.94 0.00 | 23.97 -1.71 0.00 | 26.91 -1.94 0.00 | 30.59 -2.09 0.00 | 27.43 -2.47 0.00 | 30.05 -2.56 0.00 | 27.01 -2.57 0.00 | 26.55 -2.06 0.00 | 28.25 -2.22 0.00 | 29.05 -2.06 0.00 | 23.77 -1.08 0.00 |

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| HYLAND___LFGE 323620 | 11.88 -0.34 2.19 | 12.75 -0.31 0.21 | 13.06 -0.36 -0.09 | 13.72 -0.21 -0.10 | 15.41 -0.02 -0.14 | 16.43 -0.07 -0.09 | 22.53 0.04 -0.20 | 23.53 0.15 -0.33 | 26.81 -0.31 -0.98 | 25.69 -0.67 -0.71 | 25.39 -0.63 -0.67 | 29.83 -0.69 -0.27 | 28.15 -0.50 -0.23 | 26.13 -0.40 -0.25 | 25.90 -0.33 -0.54 | 29.19 -0.35 -0.68 | 32.82 -0.21 -0.35 | 30.17 -0.04 -0.31 | 33.61 0.62 -0.38 | 30.25 0.36 -0.32 | 29.52 0.45 -0.46 | 31.40 0.36 -0.56 | 33.16 0.36 -1.69 | 27.42 0.51 -2.06 |
| INDECK___CORINTH 23802 | 14.95 0.54 0.00 | 13.75 0.48 0.00 | 13.84 0.50 0.00 | 14.35 0.52 0.00 | 15.86 0.57 0.00 | 17.07 0.67 0.00 | 23.12 0.82 0.00 | 23.87 0.82 0.00 | 27.16 1.02 0.00 | 26.73 1.08 0.00 | 26.21 0.87 0.00 | 31.47 1.22 0.00 | 29.65 1.24 0.00 | 27.54 1.26 0.00 | 26.91 1.23 0.00 | 30.17 1.32 0.00 | 34.38 1.69 0.00 | 31.68 1.78 0.00 | 34.45 1.84 0.00 | 31.12 1.54 0.00 | 29.99 1.39 0.00 | 31.80 1.33 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| INDECK___ILION 23567 | 14.50 0.08 0.00 | 13.43 0.11 -0.06 | 13.59 0.11 -0.14 | 13.94 0.11 -0.01 | 15.41 0.13 0.00 | 16.54 0.14 0.00 | 22.44 0.14 0.00 | 23.24 0.20 0.00 | 26.40 0.25 0.00 | 25.94 0.29 0.00 | 25.49 0.15 0.00 | 30.43 0.18 0.00 | 28.61 0.19 0.00 | 26.48 0.20 0.00 | 25.83 0.15 0.00 | 29.06 0.21 0.00 | 33.02 0.33 0.00 | 30.28 0.39 0.00 | 33.09 0.48 0.00 | 29.92 0.35 0.00 | 28.86 0.25 0.00 | 30.61 0.13 0.00 | 31.10 -0.01 0.00 | 24.87 0.02 0.00 |
| INDECK___OLEAN 23982 | 12.04 -0.34 2.03 | 11.40 -0.28 1.59 | 11.96 -0.30 1.08 | 12.37 -0.13 1.33 | 13.47 0.00 1.83 | 15.08 -0.14 1.18 | 19.33 -0.45 2.52 | 19.13 -0.53 3.39 | 17.57 -0.73 7.85 | 19.32 -0.57 5.75 | 19.47 -0.44 5.43 | 27.86 -0.21 2.18 | 26.69 0.14 1.87 | 24.42 0.15 2.01 | 21.59 0.27 4.36 | 23.68 0.31 5.48 | 29.95 0.13 2.87 | 27.12 -0.20 2.58 | 29.31 -0.20 3.11 | 26.47 -0.49 2.61 | 24.60 -0.25 3.75 | 25.60 -0.26 4.62 | 17.35 0.10 13.85 | 8.50 0.56 16.91 |
| INDECK___OSWEGO 23783 | 14.15 -0.27 0.00 | 13.00 -0.23 0.03 | 13.01 -0.25 0.08 | 13.57 -0.24 0.00 | 15.01 -0.27 0.00 | 16.06 -0.34 0.00 | 21.71 -0.59 0.00 | 22.43 -0.61 0.00 | 25.41 -0.73 0.00 | 24.94 -0.71 0.00 | 24.64 -0.70 0.00 | 29.44 -0.81 0.00 | 27.71 -0.71 0.00 | 25.60 -0.68 0.00 | 24.93 -0.76 0.00 | 27.93 -0.92 0.00 | 31.63 -1.06 0.00 | 28.99 -0.91 0.00 | 31.67 -0.95 0.00 | 28.62 -0.95 0.00 | 27.70 -0.90 0.00 | 29.56 -0.91 0.00 | 30.30 -0.81 0.00 | 24.29 -0.56 0.00 |
| INDECK___YERKES 23781 | 11.91 -1.12 1.39 | 11.04 -1.00 1.23 | 11.39 -1.09 0.86 | 11.81 -0.96 1.05 | 12.98 -0.87 1.44 | 14.48 -0.99 0.94 | 18.78 -1.52 2.00 | 18.53 -1.82 2.69 | 17.80 -2.11 6.24 | 19.15 -1.93 4.57 | 19.04 -1.99 4.31 | 26.11 -2.41 1.73 | 24.89 -2.04 1.49 | 22.81 -1.87 1.60 | 20.58 -1.63 3.47 | 22.70 -1.80 4.35 | 28.40 -2.00 2.28 | 25.54 -2.31 2.05 | 27.76 -2.39 2.47 | 25.08 -2.42 2.08 | 23.74 -1.88 2.98 | 24.73 -2.07 3.67 | 18.27 -1.83 11.01 | 10.56 -0.85 13.45 |
| INDIAN POINT_GT_1 24139 | 15.17 0.76 0.00 | 13.94 0.67 0.00 | 14.00 0.67 0.00 | 14.50 0.67 0.00 | 16.01 0.72 0.00 | 17.14 0.74 0.00 | 23.30 1.00 0.00 | 24.22 1.18 0.00 | 27.53 1.38 0.00 | 27.05 1.40 0.00 | 26.60 1.26 0.00 | 31.71 1.46 0.00 | 29.85 1.43 0.00 | 27.72 1.43 0.00 | 27.04 1.35 0.00 | 30.29 1.44 0.00 | 34.28 1.60 0.00 | 31.74 1.84 0.00 | 34.56 1.95 0.00 | 31.25 1.67 0.00 | 30.02 1.41 0.00 | 31.61 1.13 0.00 | 32.09 0.98 0.00 | 25.70 0.85 0.00 |
| INDIAN POINT_GT_2 23659 | 15.17 0.76 0.00 | 13.94 0.67 0.00 | 14.00 0.67 0.00 | 14.50 0.67 0.00 | 16.01 0.72 0.00 | 17.14 0.74 0.00 | 23.30 1.00 0.00 | 24.22 1.18 0.00 | 27.53 1.38 0.00 | 27.05 1.40 0.00 | 26.60 1.26 0.00 | 31.71 1.46 0.00 | 29.85 1.43 0.00 | 27.72 1.43 0.00 | 27.04 1.35 0.00 | 30.29 1.44 0.00 | 34.28 1.60 0.00 | 31.74 1.84 0.00 | 34.56 1.95 0.00 | 31.25 1.67 0.00 | 30.02 1.41 0.00 | 31.61 1.13 0.00 | 32.09 0.98 0.00 | 25.70 0.85 0.00 |
| INDIAN POINT_GT_3 24019 | 15.17 0.76 0.00 | 13.94 0.67 0.00 | 14.00 0.67 0.00 | 14.50 0.67 0.00 | 16.01 0.72 0.00 | 17.14 0.74 0.00 | 23.30 1.00 0.00 | 24.22 1.18 0.00 | 27.53 1.38 0.00 | 27.05 1.40 0.00 | 26.60 1.26 0.00 | 31.71 1.46 0.00 | 29.85 1.43 0.00 | 27.72 1.43 0.00 | 27.04 1.35 0.00 | 30.29 1.44 0.00 | 34.28 1.60 0.00 | 31.74 1.84 0.00 | 34.56 1.95 0.00 | 31.25 1.67 0.00 | 30.02 1.41 0.00 | 31.61 1.13 0.00 | 32.09 0.98 0.00 | 25.70 0.85 0.00 |
| INDIAN POINT___2 23530 | 15.17 0.75 0.00 | 13.93 0.66 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 16.00 0.71 0.00 | 17.13 0.73 0.00 | 23.28 0.99 0.00 | 24.21 1.17 0.00 | 27.52 1.37 0.00 | 27.02 1.38 0.00 | 26.58 1.24 0.00 | 31.69 1.44 0.00 | 29.82 1.41 0.00 | 27.70 1.42 0.00 | 27.02 1.33 0.00 | 30.27 1.42 0.00 | 34.25 1.57 0.00 | 31.71 1.81 0.00 | 34.54 1.92 0.00 | 31.22 1.65 0.00 | 30.00 1.39 0.00 | 31.59 1.11 0.00 | 32.07 0.96 0.00 | 25.69 0.84 0.00 |
| INDIAN POINT___3 23531 | 15.17 0.76 0.00 | 13.93 0.66 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 16.00 0.72 0.00 | 17.14 0.73 0.00 | 23.29 0.99 0.00 | 24.21 1.17 0.00 | 27.52 1.37 0.00 | 27.03 1.39 0.00 | 26.59 1.25 0.00 | 31.69 1.44 0.00 | 29.83 1.41 0.00 | 27.70 1.42 0.00 | 27.02 1.33 0.00 | 30.27 1.43 0.00 | 34.25 1.57 0.00 | 31.71 1.81 0.00 | 34.53 1.91 0.00 | 31.22 1.65 0.00 | 30.00 1.40 0.00 | 31.59 1.11 0.00 | 32.07 0.96 0.00 | 25.69 0.84 0.00 |
| INGHAM_C_115KV_TB7 356103 | 14.41 0.00 0.00 | 13.39 0.06 -0.06 | 13.54 0.06 -0.14 | 13.90 0.07 -0.01 | 15.38 0.10 0.00 | 16.51 0.11 0.00 | 22.35 0.05 0.00 | 23.19 0.15 0.00 | 26.36 0.21 0.00 | 25.96 0.32 0.00 | 25.37 0.03 0.00 | 30.26 0.01 0.00 | 28.48 0.06 0.00 | 26.36 0.08 0.00 | 25.65 -0.04 0.00 | 28.91 0.06 0.00 | 32.95 0.27 0.00 | 30.25 0.36 0.00 | 33.17 0.55 0.00 | 29.93 0.35 0.00 | 28.79 0.19 0.00 | 30.46 -0.01 0.00 | 30.79 -0.33 0.00 | 24.61 -0.24 0.00 |
| IP CORINTH___1 23988 | 14.95 0.54 0.00 | 13.75 0.48 0.00 | 13.83 0.50 0.00 | 14.35 0.52 0.00 | 15.86 0.58 0.00 | 17.07 0.67 0.00 | 23.12 0.82 0.00 | 23.87 0.82 0.00 | 27.16 1.02 0.00 | 26.73 1.08 0.00 | 26.21 0.87 0.00 | 31.47 1.22 0.00 | 29.65 1.24 0.00 | 27.54 1.26 0.00 | 26.91 1.23 0.00 | 30.17 1.32 0.00 | 34.38 1.69 0.00 | 31.68 1.78 0.00 | 34.45 1.84 0.00 | 31.12 1.55 0.00 | 29.99 1.38 0.00 | 31.80 1.33 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| IP___TICONDEROGA 23804 | 15.56 1.14 0.00 | 14.25 0.99 0.00 | 14.32 0.98 0.00 | 14.88 1.06 0.00 | 16.48 1.19 0.00 | 17.83 1.42 0.00 | 24.05 1.75 0.00 | 24.59 1.54 0.00 | 28.02 1.87 0.00 | 27.68 2.03 0.00 | 26.94 1.60 0.00 | 32.29 2.03 0.00 | 30.50 2.08 0.00 | 28.18 1.90 0.00 | 27.55 1.87 0.00 | 30.92 2.07 0.00 | 35.37 2.69 0.00 | 32.96 3.07 0.00 | 35.62 3.00 0.00 | 31.95 2.38 0.00 | 30.79 2.19 0.00 | 32.85 2.37 0.00 | 32.90 1.79 0.00 | 26.44 1.59 0.00 |
| ISLIP_RES_REC 323679 | 15.55 1.14 0.00 | 14.30 1.03 0.00 | 14.34 1.00 0.00 | 14.79 0.97 0.00 | 16.31 1.02 0.00 | 17.48 1.08 0.00 | 23.90 1.60 0.00 | 24.69 1.65 0.00 | 28.43 2.28 0.00 | 27.77 2.12 0.00 | 27.45 2.11 0.00 | 32.70 2.45 0.00 | 30.65 2.24 0.00 | 28.67 2.39 0.00 | 28.00 2.31 0.00 | 31.29 2.44 0.00 | 35.46 2.78 0.00 | 32.84 2.94 0.00 | 35.67 3.05 0.00 | 32.29 2.72 0.00 | 30.92 2.32 0.00 | 32.57 2.10 0.00 | 32.92 1.81 0.00 | 26.23 1.38 0.00 |

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|---|-------------------------|--------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|
| JAMAICA__27_KV_LOAD 355505 | 15.34 0.92 0.00 | 14.07 0.80 0.00 | 14.14 0.80 0.00 | 14.64 0.82 0.00 | 16.16 0.87 0.00 | 17.27 0.87 0.00 | 23.45 1.15 0.00 | 24.50 1.46 0.00 | 27.81 1.67 0.00 | 27.39 1.75 0.00 | 26.98 1.64 0.00 | 32.14 1.89 0.00 | 30.27 1.85 0.00 | 28.08 1.80 0.00 | 27.41 1.73 0.00 | 30.76 1.91 0.00 | 34.74 2.05 0.00 | 32.15 2.25 0.00 | 35.00 2.38 0.00 | 31.63 2.05 0.00 | 30.38 1.77 0.00 | 31.94 1.47 0.00 | 32.38 1.27 0.00 | 25.94 1.09 0.00 |
| JANIS__SOLAR 323808 | 17.61 0.29 -2.90 | 14.30 0.35 -0.68 | 13.88 0.31 -0.23 | 14.48 0.37 -0.29 | 16.19 0.51 -0.40 | 17.13 0.47 -0.26 | 23.54 0.70 -0.55 | 24.50 0.80 -0.66 | 28.10 0.65 -1.30 | 27.23 0.63 -0.95 | 26.91 0.67 -0.90 | 31.48 0.86 -0.36 | 29.61 0.89 -0.31 | 27.43 0.81 -0.33 | 27.33 0.92 -0.72 | 30.89 1.13 -0.91 | 34.54 1.37 -0.49 | 31.70 1.36 -0.45 | 34.88 1.73 -0.53 | 31.39 1.37 -0.45 | 30.42 1.17 -0.64 | 32.34 1.06 -0.79 | 34.45 0.96 -2.39 | 28.54 0.78 -2.91 |
| JARVIS____ 23743 | 14.51 0.10 0.00 | 13.42 0.10 -0.06 | 13.57 0.09 -0.14 | 13.93 0.10 -0.01 | 15.39 0.11 0.00 | 16.50 0.10 0.00 | 22.40 0.10 0.00 | 23.18 0.14 0.00 | 26.32 0.17 0.00 | 25.82 0.17 0.00 | 25.47 0.13 0.00 | 30.41 0.15 0.00 | 28.59 0.17 0.00 | 26.44 0.16 0.00 | 25.84 0.16 0.00 | 29.02 0.17 0.00 | 32.90 0.22 0.00 | 30.15 0.26 0.00 | 32.87 0.26 0.00 | 29.78 0.21 0.00 | 28.75 0.15 0.00 | 30.57 0.09 0.00 | 31.16 0.05 0.00 | 24.92 0.07 0.00 |
| JENNISON____1 23625 | 15.34 0.17 -0.75 | 13.76 0.39 -0.10 | 13.62 0.28 0.00 | 14.16 0.34 0.00 | 15.88 0.59 0.00 | 16.80 0.39 0.00 | 22.90 0.60 0.00 | 23.75 0.70 0.00 | 26.79 0.64 0.00 | 26.35 0.71 0.00 | 26.20 0.86 0.00 | 31.59 1.34 0.00 | 29.72 1.31 0.00 | 27.30 1.02 0.00 | 26.76 1.07 0.00 | 30.13 1.28 0.00 | 34.37 1.69 0.00 | 31.38 1.48 0.00 | 34.50 1.88 0.00 | 31.14 1.57 0.00 | 29.90 1.30 0.00 | 31.67 1.20 0.00 | 32.22 1.11 0.00 | 25.80 0.95 0.00 |
| JENNISON____2 23626 | 15.34 0.17 -0.75 | 13.76 0.39 -0.10 | 13.62 0.28 0.00 | 14.16 0.34 0.00 | 15.88 0.59 0.00 | 16.80 0.39 0.00 | 22.90 0.60 0.00 | 23.75 0.70 0.00 | 26.79 0.64 0.00 | 26.35 0.71 0.00 | 26.20 0.86 0.00 | 31.59 1.34 0.00 | 29.72 1.31 0.00 | 27.30 1.02 0.00 | 26.76 1.07 0.00 | 30.13 1.28 0.00 | 34.37 1.69 0.00 | 31.38 1.48 0.00 | 34.50 1.88 0.00 | 31.14 1.57 0.00 | 29.90 1.30 0.00 | 31.67 1.20 0.00 | 32.22 1.11 0.00 | 25.80 0.95 0.00 |
| JERICOHO_RISE_WT_PWR 323719 | -1.77 -0.78 15.40 | -23.75 -0.73 36.29 | -23.35 -0.70 35.98 | -17.55 -0.76 30.62 | 1.72 -0.82 12.75 | 15.73 -0.67 0.00 | 21.55 -0.75 0.00 | 22.23 -0.81 0.00 | 25.47 -0.68 0.00 | 25.40 -0.25 0.00 | 25.28 -0.06 0.00 | 30.23 -0.02 0.00 | 28.49 0.07 0.00 | 26.20 -0.08 0.00 | 25.58 -0.10 0.00 | 28.78 -0.07 0.00 | 32.62 -0.07 0.00 | 29.09 -0.80 0.00 | 31.94 -0.67 0.00 | 29.30 -0.28 0.00 | 28.65 0.04 0.00 | 31.18 0.71 0.00 | 31.85 0.74 0.00 | 25.23 0.38 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 15.23 0.82 0.00 | 14.00 0.73 0.00 | 14.07 0.73 0.00 | 14.57 0.74 0.00 | 16.08 0.80 0.00 | 17.24 0.84 0.00 | 23.42 1.12 0.00 | 24.35 1.31 0.00 | 27.68 1.54 0.00 | 27.20 1.56 0.00 | 26.76 1.42 0.00 | 31.88 1.63 0.00 | 29.99 1.58 0.00 | 27.84 1.56 0.00 | 27.17 1.48 0.00 | 30.46 1.60 0.00 | 34.47 1.79 0.00 | 31.90 2.01 0.00 | 34.76 2.14 0.00 | 31.41 1.84 0.00 | 30.19 1.59 0.00 | 31.78 1.31 0.00 | 32.25 1.14 0.00 | 25.81 0.96 0.00 |
| KCE_NY_1 323755 | 15.02 0.61 0.00 | 13.85 0.58 0.00 | 13.93 0.59 0.00 | 14.44 0.62 0.00 | 15.95 0.67 0.00 | 17.14 0.74 0.00 | 23.25 0.95 0.00 | 24.04 0.99 0.00 | 27.33 1.18 0.00 | 26.88 1.24 0.00 | 26.37 1.03 0.00 | 31.50 1.25 0.00 | 29.60 1.19 0.00 | 27.40 1.11 0.00 | 26.79 1.11 0.00 | 30.07 1.22 0.00 | 34.17 1.49 0.00 | 31.40 1.51 0.00 | 34.17 1.56 0.00 | 30.90 1.33 0.00 | 29.82 1.21 0.00 | 31.60 1.12 0.00 | 32.04 0.92 0.00 | 25.63 0.78 0.00 |
| KCE_NY_6_ESR 323823 | 11.86 -1.02 1.53 | 10.98 -0.92 1.37 | 11.40 -0.98 0.96 | 11.80 -0.85 1.18 | 12.91 -0.76 1.62 | 14.48 -0.88 1.05 | 18.67 -1.38 2.24 | 18.42 -1.61 3.02 | 17.26 -1.88 7.01 | 18.82 -1.70 5.13 | 18.80 -1.70 4.84 | 26.38 -1.93 1.94 | 25.17 -1.58 1.67 | 23.05 -1.43 1.80 | 20.57 -1.23 3.89 | 22.58 -1.38 4.89 | 28.66 -1.47 2.56 | 25.74 -1.85 2.30 | 27.91 -1.93 2.78 | 25.22 -2.03 2.33 | 23.75 -1.50 3.35 | 24.70 -1.65 4.12 | 17.32 -1.43 12.37 | 9.16 -0.59 15.10 |
| KEDC PORT_JEFF_GT2 24210 | 15.47 1.05 0.00 | 14.22 0.96 0.00 | 14.26 0.92 0.00 | 14.71 0.89 0.00 | 16.21 0.93 0.00 | 17.38 0.98 0.00 | 23.74 1.44 0.00 | 24.52 1.48 0.00 | 28.21 2.07 0.00 | 27.56 1.91 0.00 | 27.24 1.90 0.00 | 32.45 2.19 0.00 | 30.42 2.00 0.00 | 28.44 2.16 0.00 | 27.76 2.08 0.00 | 31.03 2.18 0.00 | 35.17 2.49 0.00 | 32.55 2.66 0.00 | 35.37 2.76 0.00 | 32.03 2.46 0.00 | 30.69 2.09 0.00 | 32.34 1.87 0.00 | 32.70 1.59 0.00 | 26.07 1.22 0.00 |
| KEDC PORT_JEFF_GT3 24211 | 15.47 1.05 0.00 | 14.22 0.96 0.00 | 14.26 0.92 0.00 | 14.71 0.89 0.00 | 16.21 0.93 0.00 | 17.38 0.98 0.00 | 23.74 1.44 0.00 | 24.52 1.48 0.00 | 28.21 2.07 0.00 | 27.56 1.91 0.00 | 27.24 1.90 0.00 | 32.45 2.19 0.00 | 30.42 2.00 0.00 | 28.44 2.16 0.00 | 27.76 2.08 0.00 | 31.03 2.18 0.00 | 35.17 2.49 0.00 | 32.55 2.66 0.00 | 35.37 2.76 0.00 | 32.03 2.46 0.00 | 30.69 2.09 0.00 | 32.34 1.87 0.00 | 32.70 1.59 0.00 | 26.07 1.22 0.00 |
| KEDC_GLWD_GT4 24219 | 15.47 1.06 0.00 | 14.21 0.94 0.00 | 14.25 0.91 0.00 | 14.72 0.90 0.00 | 16.25 0.97 0.00 | 17.42 1.01 0.00 | 23.75 1.45 0.00 | 24.66 1.61 0.00 | 28.18 2.04 0.00 | 27.67 2.03 0.00 | 27.30 1.96 0.00 | 32.53 2.28 0.00 | 30.56 2.14 0.00 | 28.49 2.21 0.00 | 27.80 2.11 0.00 | 30.94 2.09 0.00 | 34.86 2.18 0.00 | 32.24 2.35 0.00 | 35.11 2.49 0.00 | 31.81 2.24 0.00 | 30.77 2.16 0.00 | 32.38 1.90 0.00 | 32.78 1.67 0.00 | 26.20 1.35 0.00 |
| KEDC_GLWD_GT5 24220 | 15.47 1.06 0.00 | 14.21 0.94 0.00 | 14.25 0.91 0.00 | 14.72 0.90 0.00 | 16.25 0.97 0.00 | 17.42 1.01 0.00 | 23.75 1.45 0.00 | 24.66 1.61 0.00 | 28.18 2.04 0.00 | 27.67 2.03 0.00 | 27.30 1.96 0.00 | 32.53 2.28 0.00 | 30.56 2.14 0.00 | 28.49 2.21 0.00 | 27.80 2.11 0.00 | 30.94 2.09 0.00 | 34.86 2.18 0.00 | 32.24 2.35 0.00 | 35.11 2.49 0.00 | 31.81 2.24 0.00 | 30.77 2.16 0.00 | 32.38 1.90 0.00 | 32.78 1.67 0.00 | 26.20 1.35 0.00 |
| KENSICO____ 23655 | 15.20 0.79 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.03 0.75 0.00 | 17.17 0.76 0.00 | 23.32 1.03 0.00 | 24.26 1.22 0.00 | 27.58 1.44 0.00 | 27.11 1.46 0.00 | 26.67 1.33 0.00 | 31.79 1.54 0.00 | 29.91 1.49 0.00 | 27.79 1.51 0.00 | 27.11 1.42 0.00 | 30.37 1.52 0.00 | 34.36 1.67 0.00 | 31.80 1.90 0.00 | 34.63 2.01 0.00 | 31.30 1.73 0.00 | 30.08 1.48 0.00 | 31.66 1.19 0.00 | 32.14 1.03 0.00 | 25.74 0.88 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 15.24 0.82 0.00 | 14.01 0.74 0.00 | 14.06 0.72 0.00 | 14.57 0.74 0.00 | 16.09 0.81 0.00 | 17.26 0.86 0.00 | 23.48 1.18 0.00 | 24.42 1.37 0.00 | 27.72 1.58 0.00 | 27.24 1.59 0.00 | 26.78 1.44 0.00 | 31.88 1.63 0.00 | 30.12 1.70 0.00 | 27.92 1.64 0.00 | 27.28 1.60 0.00 | 30.59 1.74 0.00 | 34.67 1.99 0.00 | 32.17 2.27 0.00 | 35.16 2.55 0.00 | 31.77 2.20 0.00 | 30.53 1.93 0.00 | 32.13 1.66 0.00 | 32.61 1.50 0.00 | 26.08 1.23 0.00 |

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|-----------------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| KIAC_JFK_GT1 23816 | 15.29 0.87 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.11 0.82 0.00 | 17.21 0.81 0.00 | 23.38 1.08 0.00 | 24.42 1.37 0.00 | 27.71 1.56 0.00 | 27.30 1.65 0.00 | 26.88 1.54 0.00 | 32.02 1.77 0.00 | 30.16 1.74 0.00 | 27.98 1.70 0.00 | 27.32 1.63 0.00 | 30.64 1.79 0.00 | 34.62 1.93 0.00 | 32.05 2.15 0.00 | 34.87 2.25 0.00 | 31.51 1.94 0.00 | 30.27 1.67 0.00 | 31.84 1.36 0.00 | 32.28 1.17 0.00 | 25.85 1.00 0.00 |
| KIAC_JFK_GT2 23817 | 15.29 0.87 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.11 0.82 0.00 | 17.21 0.81 0.00 | 23.38 1.08 0.00 | 24.42 1.37 0.00 | 27.71 1.56 0.00 | 27.30 1.65 0.00 | 26.88 1.54 0.00 | 32.02 1.77 0.00 | 30.16 1.74 0.00 | 27.98 1.70 0.00 | 27.32 1.63 0.00 | 30.64 1.79 0.00 | 34.62 1.93 0.00 | 32.05 2.15 0.00 | 34.87 2.25 0.00 | 31.51 1.94 0.00 | 30.27 1.67 0.00 | 31.84 1.36 0.00 | 32.28 1.17 0.00 | 25.85 1.00 0.00 |
| KIAC_JFK____ 323774 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.11 0.82 0.00 | 17.21 0.81 0.00 | 23.38 1.08 0.00 | 24.42 1.37 0.00 | 27.71 1.56 0.00 | 27.30 1.65 0.00 | 26.88 1.54 0.00 | 32.02 1.77 0.00 | 30.16 1.74 0.00 | 27.98 1.70 0.00 | 27.32 1.64 0.00 | 30.64 1.79 0.00 | 34.62 1.94 0.00 | 32.05 2.15 0.00 | 34.87 2.25 0.00 | 31.51 1.94 0.00 | 30.27 1.67 0.00 | 31.84 1.36 0.00 | 32.28 1.17 0.00 | 25.85 1.00 0.00 |
| KINTIGH____ 23543 | 12.54 -1.14 0.73 | 12.14 -1.03 0.10 | 12.24 -1.10 0.00 | 12.84 -0.98 0.00 | 14.35 -0.94 0.00 | 15.33 -1.07 0.00 | 20.64 -1.66 0.00 | 21.14 -1.90 0.00 | 23.91 -2.23 0.00 | 23.56 -2.09 0.00 | 23.22 -2.12 0.00 | 27.78 -2.47 0.00 | 26.28 -2.14 0.00 | 24.31 -1.97 0.00 | 23.92 -1.77 0.00 | 26.86 -2.00 0.00 | 30.50 -2.18 0.00 | 27.45 -2.44 0.00 | 30.09 -2.53 0.00 | 27.08 -2.50 0.00 | 26.50 -2.10 0.00 | 28.20 -2.28 0.00 | 28.92 -2.18 0.00 | 23.55 -1.30 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | -0.83 -0.65 14.59 | -21.79 -0.61 34.45 | -21.52 -0.60 34.26 | -15.82 -0.64 29.01 | 2.53 -0.69 12.07 | 15.89 -0.51 0.00 | 21.74 -0.56 0.00 | 22.45 -0.60 0.00 | 25.73 -0.42 0.00 | 25.69 0.04 0.00 | 25.50 0.16 0.00 | 30.48 0.23 0.00 | 28.78 0.36 0.00 | 26.50 0.22 0.00 | 25.88 0.19 0.00 | 29.11 0.26 0.00 | 32.98 0.30 0.00 | 29.31 -0.58 0.00 | 32.16 -0.46 0.00 | 29.62 0.05 0.00 | 28.97 0.37 0.00 | 31.61 1.13 0.00 | 32.30 1.19 0.00 | 25.62 0.77 0.00 |
| LACHUTE____HYDRO 323717 | 15.56 1.14 0.00 | 14.25 0.99 0.00 | 14.32 0.98 0.00 | 14.88 1.06 0.00 | 16.47 1.19 0.00 | 17.83 1.42 0.00 | 24.05 1.75 0.00 | 24.59 1.54 0.00 | 28.02 1.87 0.00 | 27.68 2.03 0.00 | 26.94 1.60 0.00 | 32.29 2.04 0.00 | 30.50 2.08 0.00 | 28.18 1.90 0.00 | 27.55 1.87 0.00 | 30.92 2.07 0.00 | 35.37 2.69 0.00 | 32.96 3.07 0.00 | 35.62 3.00 0.00 | 31.95 2.38 0.00 | 30.79 2.19 0.00 | 32.85 2.37 0.00 | 32.90 1.79 0.00 | 26.44 1.59 0.00 |
| LAWRNCV_115KV_TB1 80681 | 15.91 -0.34 -1.84 | 16.15 -0.36 -3.25 | 14.68 -0.33 -1.67 | 17.01 -0.35 -3.53 | 16.43 -0.38 -1.52 | 16.13 -0.28 0.00 | 22.11 -0.19 0.00 | 22.82 -0.23 0.00 | 25.81 -0.34 0.00 | 25.46 -0.19 0.00 | 25.29 -0.05 0.00 | 30.22 -0.03 0.00 | 28.36 -0.06 0.00 | 26.12 -0.16 0.00 | 25.48 -0.20 0.00 | 28.62 -0.23 0.00 | 32.17 -0.51 0.00 | 29.17 -0.72 0.00 | 31.88 -0.73 0.00 | 29.33 -0.24 0.00 | 28.60 -0.01 0.00 | 30.77 0.29 0.00 | 31.51 0.40 0.00 | 25.04 0.18 0.00 |
| LEDERLE____ 23769 | 15.23 0.82 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.06 0.78 0.00 | 17.20 0.80 0.00 | 23.40 1.10 0.00 | 24.33 1.29 0.00 | 27.64 1.50 0.00 | 27.15 1.51 0.00 | 26.70 1.37 0.00 | 31.85 1.60 0.00 | 29.98 1.57 0.00 | 27.84 1.56 0.00 | 27.15 1.46 0.00 | 30.41 1.56 0.00 | 34.43 1.74 0.00 | 31.89 1.99 0.00 | 34.74 2.12 0.00 | 31.39 1.82 0.00 | 30.15 1.55 0.00 | 31.75 1.28 0.00 | 32.25 1.14 0.00 | 25.83 0.97 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 14.00 -0.41 0.00 | 12.81 -0.37 0.09 | 12.75 -0.38 0.21 | 13.42 -0.39 0.01 | 14.89 -0.40 0.00 | 15.94 -0.46 0.00 | 21.60 -0.70 0.00 | 22.30 -0.74 0.00 | 25.18 -0.97 0.00 | 24.76 -0.88 0.00 | 24.56 -0.79 0.00 | 29.41 -0.84 0.00 | 27.71 -0.70 0.00 | 25.56 -0.72 0.00 | 24.97 -0.71 0.00 | 28.11 -0.75 0.00 | 31.81 -0.88 0.00 | 29.27 -0.63 0.00 | 32.00 -0.61 0.00 | 28.87 -0.70 0.00 | 27.94 -0.66 0.00 | 29.77 -0.71 0.00 | 30.50 -0.60 0.00 | 24.43 -0.42 0.00 |
| LINDEN COGEN____ 23786 | 15.15 0.73 0.00 | 13.89 0.63 0.00 | 13.95 0.62 0.00 | 14.44 0.62 0.00 | 15.94 0.65 0.00 | 17.05 0.65 0.00 | 23.14 0.85 0.01 | 22.16 1.09 1.97 | 20.23 1.31 7.23 | 26.53 1.35 0.46 | 23.24 1.22 3.31 | 31.65 1.40 0.00 | 29.80 1.38 0.00 | 27.69 1.41 0.00 | 27.01 1.32 0.00 | 30.25 1.40 0.00 | 34.15 1.51 0.04 | 31.68 1.78 0.00 | 34.41 1.83 0.04 | 31.17 1.60 0.00 | 29.93 1.33 0.00 | 31.48 1.00 0.00 | 31.94 0.83 0.00 | 25.59 0.73 0.00 |
| LINDHRST_69_KV_BK1 356055 | 15.52 1.11 0.00 | 14.25 0.99 0.00 | 14.29 0.96 0.00 | 14.76 0.93 0.00 | 16.28 1.00 0.00 | 17.45 1.05 0.00 | 23.81 1.51 0.00 | 24.67 1.63 0.00 | 28.26 2.12 0.00 | 27.70 2.06 0.00 | 27.36 2.02 0.00 | 32.58 2.33 0.00 | 30.59 2.17 0.00 | 28.57 2.29 0.00 | 27.90 2.21 0.00 | 31.15 2.29 0.00 | 35.26 2.58 0.00 | 32.64 2.74 0.00 | 35.51 2.89 0.00 | 32.14 2.57 0.00 | 30.84 2.24 0.00 | 32.47 1.99 0.00 | 32.85 1.74 0.00 | 26.23 1.38 0.00 |
| LIPA_MISC_IPP 23656 | 15.42 1.01 0.00 | 14.19 0.93 0.00 | 14.23 0.89 0.00 | 14.68 0.86 0.00 | 16.17 0.88 0.00 | 17.33 0.93 0.00 | 23.69 1.39 0.00 | 24.42 1.37 0.00 | 28.16 2.01 0.00 | 27.44 1.80 0.00 | 27.12 1.78 0.00 | 32.34 2.09 0.00 | 30.29 1.87 0.00 | 28.33 2.05 0.00 | 27.64 1.96 0.00 | 30.92 2.07 0.00 | 35.06 2.37 0.00 | 32.45 2.55 0.00 | 35.22 2.61 0.00 | 31.92 2.35 0.00 | 30.56 1.95 0.00 | 32.23 1.75 0.00 | 32.58 1.47 0.00 | 25.95 1.10 0.00 |
| LISF____SOLAR 323691 | 15.44 1.03 0.00 | 14.21 0.94 0.00 | 14.25 0.91 0.00 | 14.70 0.88 0.00 | 16.19 0.91 0.00 | 17.35 0.95 0.00 | 23.73 1.43 0.00 | 24.46 1.41 0.00 | 28.22 2.07 0.00 | 27.49 1.84 0.00 | 27.17 1.84 0.00 | 32.41 2.16 0.00 | 30.34 1.92 0.00 | 28.38 2.10 0.00 | 27.70 2.02 0.00 | 30.99 2.14 0.00 | 35.13 2.45 0.00 | 32.52 2.62 0.00 | 35.30 2.69 0.00 | 31.98 2.41 0.00 | 30.61 2.01 0.00 | 32.29 1.82 0.00 | 32.65 1.54 0.00 | 25.99 1.15 0.00 |
| LITTLE FALLS____HYD 24013 | 14.41 0.00 0.00 | 13.39 0.06 -0.06 | 13.54 0.06 -0.14 | 13.90 0.07 -0.01 | 15.38 0.10 0.00 | 16.51 0.11 0.00 | 22.35 0.05 0.00 | 23.19 0.15 0.00 | 26.36 0.21 0.00 | 25.96 0.32 0.00 | 25.37 0.03 0.00 | 30.26 0.01 0.00 | 28.48 0.06 0.00 | 26.36 0.08 0.00 | 25.65 -0.04 0.00 | 28.91 0.06 0.00 | 32.95 0.27 0.00 | 30.25 0.36 0.00 | 33.17 0.55 0.00 | 29.93 0.35 0.00 | 28.79 0.19 0.00 | 30.46 -0.01 0.00 | 30.79 -0.33 0.00 | 24.61 -0.24 0.00 |
| LITTLRIV_115KV_TB1 356100 | 16.24 -0.21 -2.04 | 16.75 -0.24 -3.72 | 15.29 -0.20 -2.15 | 17.54 -0.21 -3.92 | 16.75 -0.22 -1.69 | 16.31 -0.09 0.00 | 22.41 0.10 0.00 | 23.12 0.08 0.00 | 26.09 -0.06 0.00 | 25.69 0.05 0.00 | 25.49 0.16 0.00 | 30.48 0.22 0.00 | 28.61 0.19 0.00 | 26.33 0.05 0.00 | 25.65 -0.03 0.00 | 28.88 0.03 0.00 | 32.48 -0.21 0.00 | 29.52 -0.38 0.00 | 32.32 -0.30 0.00 | 29.72 0.15 0.00 | 28.98 0.37 0.00 | 31.16 0.68 0.00 | 31.89 0.78 0.00 | 25.31 0.46 0.00 |

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| LI_NEWBRDGE___DRP 323616 | 15.30 0.89 0.00 | 14.06 0.79 0.00 | 14.11 0.77 0.00 | 14.58 0.75 0.00 | 16.08 0.80 0.00 | 17.22 0.82 0.00 | 23.46 1.16 0.00 | 24.35 1.30 0.00 | 27.81 1.67 0.00 | 27.29 1.64 0.00 | 26.93 1.59 0.00 | 32.06 1.81 0.00 | 30.13 1.71 0.00 | 28.08 1.80 0.00 | 27.41 1.72 0.00 | 30.63 1.77 0.00 | 34.64 1.95 0.00 | 32.04 2.15 0.00 | 34.88 2.26 0.00 | 31.56 1.99 0.00 | 30.33 1.72 0.00 | 31.93 1.46 0.00 | 32.35 1.24 0.00 | 25.87 1.02 0.00 |
| LOCKPORT_115KV_TB60_63_64 80432 | 12.33 -1.25 0.83 | 12.02 -1.13 0.11 | 12.12 -1.22 0.00 | 12.73 -1.09 0.00 | 14.27 -1.01 0.00 | 15.26 -1.15 0.00 | 20.55 -1.75 0.00 | 20.97 -2.08 0.00 | 23.72 -2.42 0.00 | 23.38 -2.26 0.00 | 22.99 -2.35 0.00 | 27.47 -2.78 0.00 | 25.99 -2.42 0.00 | 24.07 -2.22 0.00 | 23.70 -1.98 0.00 | 26.65 -2.20 0.00 | 30.31 -2.37 0.00 | 27.22 -2.68 0.00 | 29.84 -2.77 0.00 | 26.83 -2.74 0.00 | 26.34 -2.26 0.00 | 28.02 -2.46 0.00 | 28.87 -2.24 0.00 | 23.70 -1.15 0.00 |
| LOCKPORT___CC1 323769 | 11.86 -1.26 1.30 | 11.01 -1.14 1.12 | 11.34 -1.22 0.78 | 11.78 -1.09 0.95 | 12.95 -1.02 1.32 | 14.40 -1.15 0.85 | 18.71 -1.77 1.82 | 18.50 -2.09 2.45 | 18.04 -2.42 5.69 | 19.22 -2.26 4.16 | 19.08 -2.33 3.93 | 25.90 -2.78 1.58 | 24.66 -2.41 1.35 | 22.62 -2.21 1.46 | 20.54 -1.99 3.16 | 22.70 -2.19 3.97 | 28.23 -2.38 2.08 | 25.36 -2.67 1.87 | 27.58 -2.78 2.25 | 24.96 -2.73 1.89 | 23.65 -2.24 2.72 | 24.68 -2.45 3.34 | 18.87 -2.21 10.03 | 11.47 -1.14 12.25 |
| LOCKPORT___CC2 323770 | 11.86 -1.26 1.30 | 11.01 -1.14 1.12 | 11.34 -1.22 0.78 | 11.78 -1.09 0.95 | 12.95 -1.02 1.32 | 14.40 -1.15 0.85 | 18.71 -1.77 1.82 | 18.50 -2.09 2.45 | 18.04 -2.42 5.69 | 19.22 -2.26 4.16 | 19.08 -2.33 3.93 | 25.90 -2.78 1.58 | 24.66 -2.41 1.35 | 22.62 -2.21 1.46 | 20.54 -1.99 3.16 | 22.70 -2.19 3.97 | 28.23 -2.38 2.08 | 25.36 -2.67 1.87 | 27.58 -2.78 2.25 | 24.96 -2.73 1.89 | 23.65 -2.24 2.72 | 24.68 -2.45 3.34 | 18.87 -2.21 10.03 | 11.47 -1.14 12.25 |
| LOCKPORT___CC3 323771 | 11.86 -1.26 1.30 | 11.01 -1.14 1.12 | 11.34 -1.22 0.78 | 11.78 -1.09 0.95 | 12.95 -1.02 1.32 | 14.40 -1.15 0.85 | 18.71 -1.77 1.82 | 18.50 -2.09 2.45 | 18.04 -2.42 5.69 | 19.22 -2.26 4.16 | 19.08 -2.33 3.93 | 25.90 -2.78 1.58 | 24.66 -2.41 1.35 | 22.62 -2.21 1.46 | 20.54 -1.99 3.16 | 22.70 -2.19 3.97 | 28.23 -2.38 2.08 | 25.36 -2.67 1.87 | 27.58 -2.78 2.25 | 24.96 -2.73 1.89 | 23.65 -2.24 2.72 | 24.68 -2.45 3.34 | 18.87 -2.21 10.03 | 11.47 -1.14 12.25 |
| LONG_LAKE_PHOENIX 24014 | 14.18 -0.23 0.00 | 13.07 -0.20 0.00 | 13.12 -0.21 0.00 | 13.62 -0.20 0.00 | 15.06 -0.23 0.00 | 16.11 -0.29 0.00 | 21.78 -0.51 0.00 | 22.51 -0.54 0.00 | 25.50 -0.65 0.00 | 25.01 -0.64 0.00 | 24.70 -0.64 0.00 | 29.52 -0.73 0.00 | 27.77 -0.64 0.00 | 25.71 -0.57 0.00 | 25.12 -0.56 0.00 | 28.17 -0.68 0.00 | 31.93 -0.75 0.00 | 29.29 -0.61 0.00 | 32.00 -0.61 0.00 | 28.93 -0.65 0.00 | 27.97 -0.63 0.00 | 29.74 -0.74 0.00 | 30.36 -0.75 0.00 | 24.33 -0.52 0.00 |
| LOVETT___3 23632 | 15.17 0.75 0.00 | 13.92 0.65 0.00 | 13.99 0.65 0.00 | 14.48 0.66 0.00 | 16.00 0.71 0.00 | 17.12 0.72 0.00 | 23.28 0.98 0.00 | 24.21 1.17 0.00 | 27.49 1.35 0.00 | 27.01 1.36 0.00 | 26.56 1.23 0.00 | 31.67 1.42 0.00 | 29.81 1.39 0.00 | 27.68 1.40 0.00 | 26.99 1.31 0.00 | 30.25 1.40 0.00 | 34.22 1.54 0.00 | 31.69 1.80 0.00 | 34.53 1.91 0.00 | 31.20 1.63 0.00 | 29.98 1.37 0.00 | 31.57 1.09 0.00 | 32.07 0.96 0.00 | 25.69 0.85 0.00 |
| LOVETT___4 23642 | 15.17 0.75 0.00 | 13.92 0.65 0.00 | 13.99 0.65 0.00 | 14.48 0.66 0.00 | 16.00 0.71 0.00 | 17.12 0.72 0.00 | 23.28 0.98 0.00 | 24.21 1.17 0.00 | 27.49 1.35 0.00 | 27.01 1.36 0.00 | 26.56 1.23 0.00 | 31.67 1.42 0.00 | 29.81 1.39 0.00 | 27.68 1.40 0.00 | 26.99 1.31 0.00 | 30.25 1.40 0.00 | 34.22 1.54 0.00 | 31.69 1.80 0.00 | 34.53 1.91 0.00 | 31.20 1.63 0.00 | 29.98 1.37 0.00 | 31.57 1.09 0.00 | 32.07 0.96 0.00 | 25.69 0.85 0.00 |
| LOVETT___5 23593 | 15.17 0.75 0.00 | 13.92 0.65 0.00 | 13.99 0.65 0.00 | 14.48 0.66 0.00 | 16.00 0.71 0.00 | 17.12 0.72 0.00 | 23.28 0.98 0.00 | 24.21 1.17 0.00 | 27.49 1.35 0.00 | 27.01 1.36 0.00 | 26.56 1.23 0.00 | 31.67 1.42 0.00 | 29.81 1.39 0.00 | 27.68 1.40 0.00 | 26.99 1.31 0.00 | 30.25 1.40 0.00 | 34.22 1.54 0.00 | 31.69 1.80 0.00 | 34.53 1.91 0.00 | 31.20 1.63 0.00 | 29.98 1.37 0.00 | 31.57 1.09 0.00 | 32.07 0.96 0.00 | 25.69 0.85 0.00 |
| LOWER RAQUET___HYD 24057 | 16.26 -0.38 -2.22 | 17.03 -0.40 -4.16 | 15.58 -0.36 -2.60 | 17.73 -0.38 -4.29 | 16.71 -0.42 -1.84 | 16.10 -0.31 0.00 | 22.08 -0.22 0.00 | 22.78 -0.26 0.00 | 25.76 -0.39 0.00 | 25.43 -0.21 0.00 | 25.26 -0.08 0.00 | 30.20 -0.05 0.00 | 28.35 -0.06 0.00 | 26.10 -0.18 0.00 | 25.46 -0.23 0.00 | 28.59 -0.27 0.00 | 32.08 -0.61 0.00 | 29.10 -0.79 0.00 | 31.80 -0.81 0.00 | 29.31 -0.26 0.00 | 28.60 0.00 0.00 | 30.78 0.30 0.00 | 31.53 0.42 0.00 | 25.04 0.19 0.00 |
| LOWER___HUDSON 24059 | 14.93 0.52 0.00 | 13.80 0.53 0.00 | 13.87 0.53 0.00 | 14.37 0.55 0.00 | 15.87 0.58 0.00 | 17.03 0.63 0.00 | 22.96 0.66 0.00 | 23.72 0.67 0.00 | 26.97 0.82 0.00 | 26.52 0.88 0.00 | 26.00 0.66 0.00 | 31.02 0.77 0.00 | 29.21 0.80 0.00 | 27.00 0.72 0.00 | 26.41 0.72 0.00 | 29.68 0.82 0.00 | 33.66 0.97 0.00 | 30.87 0.98 0.00 | 33.56 0.95 0.00 | 30.37 0.79 0.00 | 29.28 0.68 0.00 | 31.09 0.61 0.00 | 31.54 0.44 0.00 | 25.30 0.45 0.00 |
| LOWVILLE_115KV_TB2 356335 | 14.50 -0.55 -0.64 | 14.01 -0.49 -1.23 | 13.68 -0.49 -0.83 | 14.53 -0.53 -1.23 | 15.30 -0.51 -0.53 | 15.85 -0.55 0.00 | 21.64 -0.66 0.00 | 22.42 -0.63 0.00 | 25.25 -0.90 0.00 | 25.03 -0.61 0.00 | 25.09 -0.25 0.00 | 30.18 -0.07 0.00 | 28.46 0.05 0.00 | 26.22 -0.06 0.00 | 25.60 -0.08 0.00 | 28.93 0.08 0.00 | 32.62 -0.06 0.00 | 30.01 0.12 0.00 | 32.63 0.01 0.00 | 29.67 0.10 0.00 | 28.69 0.09 0.00 | 30.65 0.17 0.00 | 31.58 0.47 0.00 | 25.26 0.41 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 15.03 0.62 0.00 | 13.85 0.58 0.00 | 13.93 0.59 0.00 | 14.44 0.62 0.00 | 15.96 0.67 0.00 | 17.14 0.74 0.00 | 23.23 0.94 0.00 | 24.03 0.98 0.00 | 27.31 1.17 0.00 | 26.87 1.23 0.00 | 26.38 1.04 0.00 | 31.49 1.24 0.00 | 29.61 1.19 0.00 | 27.39 1.11 0.00 | 26.80 1.11 0.00 | 30.07 1.22 0.00 | 34.17 1.49 0.00 | 31.40 1.51 0.00 | 34.17 1.56 0.00 | 30.89 1.32 0.00 | 29.79 1.19 0.00 | 31.59 1.11 0.00 | 32.04 0.93 0.00 | 25.65 0.80 0.00 |
| LUTHERNY_35_KV_BK2 355980 | 15.02 0.61 0.00 | 13.85 0.58 0.00 | 13.93 0.59 0.00 | 14.44 0.62 0.00 | 15.95 0.67 0.00 | 17.14 0.74 0.00 | 23.25 0.95 0.00 | 24.04 1.00 0.00 | 27.33 1.18 0.00 | 26.88 1.24 0.00 | 26.37 1.03 0.00 | 31.49 1.24 0.00 | 29.60 1.19 0.00 | 27.40 1.11 0.00 | 26.79 1.11 0.00 | 30.07 1.22 0.00 | 34.17 1.49 0.00 | 31.41 1.51 0.00 | 34.17 1.56 0.00 | 30.91 1.33 0.00 | 29.82 1.21 0.00 | 31.60 1.13 0.00 | 32.03 0.92 0.00 | 25.63 0.78 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 15.38 -0.54 -1.51 | 15.59 -0.52 -2.84 | 14.64 -0.50 -1.80 | 16.20 -0.54 -2.92 | 15.99 -0.55 -1.25 | 15.88 -0.52 0.00 | 21.73 -0.57 0.00 | 22.46 -0.59 0.00 | 25.33 -0.82 0.00 | 25.04 -0.60 0.00 | 24.99 -0.35 0.00 | 29.95 -0.30 0.00 | 28.17 -0.25 0.00 | 25.93 -0.35 0.00 | 25.30 -0.38 0.00 | 28.50 -0.35 0.00 | 32.07 -0.61 0.00 | 29.33 -0.56 0.00 | 31.93 -0.68 0.00 | 29.23 -0.34 0.00 | 28.40 -0.20 0.00 | 30.44 -0.04 0.00 | 31.28 0.17 0.00 | 24.93 0.08 0.00 |

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| LYONS_FALL_HYD 23570 | 14.61 -0.23 -0.42 | 13.92 -0.19 -0.84 | 13.75 -0.20 -0.61 | 14.43 -0.21 -0.82 | 15.45 -0.19 -0.35 | 16.20 -0.21 0.00 | 22.09 -0.21 0.00 | 22.88 -0.16 0.00 | 25.85 -0.29 0.00 | 25.51 -0.13 0.00 | 25.42 0.08 0.00 | 30.53 0.27 0.00 | 28.72 0.30 0.00 | 26.50 0.22 0.00 | 25.91 0.22 0.00 | 29.22 0.37 0.00 | 33.05 0.36 0.00 | 30.35 0.45 0.00 | 33.04 0.43 0.00 | 29.99 0.42 0.00 | 28.98 0.38 0.00 | 30.88 0.41 0.00 | 31.68 0.56 0.00 | 25.32 0.47 0.00 |
| MADISON___COUNTY_LFGE 323628 | 14.66 0.24 0.00 | 13.50 0.23 0.00 | 13.57 0.23 0.00 | 14.07 0.25 0.00 | 15.59 0.30 0.00 | 16.72 0.32 0.00 | 22.78 0.48 0.00 | 23.59 0.54 0.00 | 26.73 0.59 0.00 | 26.20 0.55 0.00 | 25.95 0.61 0.00 | 31.08 0.83 0.00 | 29.14 0.73 0.00 | 26.96 0.68 0.00 | 26.43 0.75 0.00 | 29.75 0.89 0.00 | 33.75 1.07 0.00 | 30.90 1.00 0.00 | 33.73 1.12 0.00 | 30.52 0.95 0.00 | 29.48 0.87 0.00 | 31.31 0.84 0.00 | 31.93 0.82 0.00 | 25.51 0.66 0.00 |
| MALONE___115KV_TB1 356076 | 23.74 -0.56 -9.88 | 34.24 -0.52 -21.49 | 31.62 -0.49 -18.77 | 32.73 -0.52 -19.43 | 22.90 -0.56 -8.18 | 16.00 -0.40 0.00 | 21.95 -0.35 0.00 | 22.66 -0.38 0.00 | 25.84 -0.31 0.00 | 25.69 0.05 0.00 | 25.53 0.19 0.00 | 30.48 0.23 0.00 | 28.72 0.30 0.00 | 26.43 0.15 0.00 | 25.80 0.11 0.00 | 29.03 0.18 0.00 | 32.85 0.16 0.00 | 29.43 -0.47 0.00 | 32.29 -0.32 0.00 | 29.64 0.07 0.00 | 28.97 0.37 0.00 | 31.42 0.94 0.00 | 32.09 0.98 0.00 | 25.42 0.57 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 14.99 0.57 0.00 | 13.85 0.58 0.00 | 13.91 0.57 0.00 | 14.42 0.59 0.00 | 15.92 0.63 0.00 | 17.08 0.67 0.00 | 23.05 0.75 0.00 | 23.85 0.80 0.00 | 27.12 0.97 0.00 | 26.66 1.02 0.00 | 26.17 0.83 0.00 | 31.20 0.95 0.00 | 29.38 0.97 0.00 | 27.17 0.89 0.00 | 26.57 0.88 0.00 | 29.85 1.00 0.00 | 33.83 1.14 0.00 | 31.06 1.17 0.00 | 33.77 1.16 0.00 | 30.55 0.97 0.00 | 29.45 0.85 0.00 | 31.23 0.75 0.00 | 31.71 0.60 0.00 | 25.42 0.57 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 13.90 -0.51 0.00 | 10.79 -0.51 1.98 | 8.07 -0.51 4.76 | 13.07 -0.52 0.23 | 14.76 -0.53 0.00 | 15.90 -0.50 0.00 | 21.69 -0.61 0.00 | 22.54 -0.50 0.00 | 25.54 -0.61 0.00 | 25.02 -0.62 0.00 | 24.87 -0.47 0.00 | 29.82 -0.43 0.00 | 28.07 -0.35 0.00 | 25.93 -0.35 0.00 | 25.26 -0.43 0.00 | 28.37 -0.48 0.00 | 32.15 -0.53 0.00 | 29.26 -0.64 0.00 | 31.86 -0.75 0.00 | 28.92 -0.65 0.00 | 27.94 -0.67 0.00 | 29.93 -0.54 0.00 | 30.94 -0.17 0.00 | 24.84 -0.02 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 13.90 -0.51 0.00 | 10.79 -0.51 1.98 | 8.07 -0.51 4.76 | 13.07 -0.52 0.23 | 14.76 -0.53 0.00 | 15.90 -0.50 0.00 | 21.69 -0.61 0.00 | 22.54 -0.50 0.00 | 25.54 -0.61 0.00 | 25.02 -0.62 0.00 | 24.87 -0.47 0.00 | 29.82 -0.43 0.00 | 28.07 -0.35 0.00 | 25.93 -0.35 0.00 | 25.26 -0.43 0.00 | 28.37 -0.48 0.00 | 32.15 -0.53 0.00 | 29.26 -0.64 0.00 | 31.86 -0.75 0.00 | 28.92 -0.65 0.00 | 27.94 -0.67 0.00 | 29.93 -0.54 0.00 | 30.94 -0.17 0.00 | 24.84 -0.02 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | -0.69 -0.80 14.30 | -21.22 -0.69 33.80 | -21.00 -0.68 33.66 | -15.38 -0.75 28.44 | 2.62 -0.83 11.84 | 15.73 -0.67 0.00 | 21.52 -0.78 0.00 | 22.20 -0.85 0.00 | 25.45 -0.70 0.00 | 25.41 -0.23 0.00 | 25.29 -0.05 0.00 | 30.24 -0.02 0.00 | 28.50 0.09 0.00 | 26.23 -0.05 0.00 | 25.61 -0.08 0.00 | 28.79 -0.06 0.00 | 32.61 -0.08 0.00 | 29.06 -0.84 0.00 | 31.91 -0.71 0.00 | 29.33 -0.25 0.00 | 28.65 0.05 0.00 | 31.22 0.74 0.00 | 31.90 0.79 0.00 | 25.30 0.44 0.00 |
| MARSHVLE_115KV_TB1 80742 | 14.87 0.46 0.00 | 13.63 0.36 0.00 | 13.73 0.39 0.00 | 14.25 0.43 0.00 | 15.83 0.54 0.00 | 16.97 0.57 0.00 | 23.24 0.95 0.00 | 24.09 1.04 0.00 | 27.27 1.12 0.00 | 26.71 1.06 0.00 | 26.49 1.15 0.00 | 31.64 1.39 0.00 | 29.78 1.36 0.00 | 27.54 1.26 0.00 | 26.92 1.24 0.00 | 30.22 1.37 0.00 | 34.36 1.68 0.00 | 31.38 1.48 0.00 | 34.45 1.83 0.00 | 31.21 1.64 0.00 | 30.16 1.55 0.00 | 32.07 1.60 0.00 | 32.83 1.72 0.00 | 26.20 1.34 0.00 |
| MARSH_HILL_WT_PWR 323713 | 10.07 -1.01 3.33 | 12.05 -0.94 0.28 | 12.49 -1.00 -0.15 | 13.29 -0.72 -0.19 | 15.11 -0.43 -0.26 | 15.88 -0.69 -0.17 | 21.93 -0.72 -0.36 | 23.23 -0.36 -0.55 | 27.30 -0.47 -1.62 | 26.51 -0.33 -1.19 | 26.38 -0.08 -1.12 | 30.67 -0.03 -0.45 | 29.00 0.20 -0.39 | 26.90 0.20 -0.42 | 26.79 0.20 -0.90 | 30.10 0.11 -1.13 | 33.23 -0.06 -0.61 | 30.39 -0.06 -0.55 | 33.44 0.16 -0.67 | 29.76 -0.37 -0.56 | 28.98 -0.43 -0.80 | 31.09 -0.38 -0.99 | 33.85 -0.24 -2.97 | 28.62 0.15 -3.63 |
| MCINTYRE_115KV_TB2 80467 | 16.04 -0.11 -1.74 | 16.12 -0.15 -3.01 | 14.66 -0.11 -1.42 | 17.04 -0.11 -3.33 | 16.61 -0.11 -1.44 | 16.43 0.02 0.00 | 22.58 0.28 0.00 | 23.29 0.25 0.00 | 26.24 0.09 0.00 | 25.78 0.14 0.00 | 25.57 0.23 0.00 | 30.56 0.31 0.00 | 28.68 0.26 0.00 | 26.41 0.13 0.00 | 25.71 0.02 0.00 | 28.96 0.11 0.00 | 32.66 -0.02 0.00 | 29.73 -0.17 0.00 | 32.59 -0.03 0.00 | 29.91 0.33 0.00 | 29.13 0.52 0.00 | 31.31 0.84 0.00 | 32.03 0.92 0.00 | 25.41 0.56 0.00 |
| MECO_____69_KV_BK1 80468 | 15.49 1.07 0.00 | 14.23 0.96 0.00 | 14.32 0.98 0.00 | 14.87 1.05 0.00 | 16.53 1.24 0.00 | 17.73 1.33 0.00 | 24.38 2.08 0.00 | 25.30 2.25 0.00 | 28.59 2.44 0.00 | 27.90 2.26 0.00 | 27.64 2.30 0.00 | 32.87 2.61 0.00 | 31.04 2.62 0.00 | 28.73 2.45 0.00 | 28.07 2.39 0.00 | 31.55 2.70 0.00 | 36.10 3.42 0.00 | 33.15 3.25 0.00 | 36.34 3.72 0.00 | 32.84 3.26 0.00 | 31.63 3.03 0.00 | 33.48 3.01 0.00 | 34.06 2.95 0.00 | 27.14 2.29 0.00 |
| MENANDS___115KV_TB5 355628 | 14.98 0.56 0.00 | 13.83 0.56 0.00 | 13.90 0.57 0.00 | 14.41 0.59 0.00 | 15.91 0.62 0.00 | 17.07 0.66 0.00 | 23.02 0.72 0.00 | 23.81 0.76 0.00 | 27.07 0.93 0.00 | 26.62 0.98 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.33 0.91 0.00 | 27.12 0.84 0.00 | 26.51 0.82 0.00 | 29.79 0.94 0.00 | 33.75 1.07 0.00 | 30.98 1.09 0.00 | 33.69 1.07 0.00 | 30.47 0.90 0.00 | 29.38 0.78 0.00 | 31.15 0.68 0.00 | 31.63 0.52 0.00 | 25.37 0.52 0.00 |
| MG INDUSTRY___DRP 24185 | 14.92 0.51 0.00 | 13.78 0.51 0.00 | 13.85 0.51 0.00 | 14.36 0.54 0.00 | 15.87 0.58 0.00 | 17.02 0.62 0.00 | 22.99 0.69 0.00 | 23.76 0.71 0.00 | 27.00 0.85 0.00 | 26.52 0.88 0.00 | 26.08 0.74 0.00 | 31.09 0.84 0.00 | 29.25 0.83 0.00 | 27.05 0.77 0.00 | 26.44 0.76 0.00 | 29.72 0.86 0.00 | 33.67 0.99 0.00 | 30.90 1.01 0.00 | 33.61 1.00 0.00 | 30.41 0.84 0.00 | 29.35 0.74 0.00 | 31.13 0.65 0.00 | 31.66 0.55 0.00 | 25.38 0.53 0.00 |
| MID___OSWEGATCHIE_HYD 23849 | 15.38 -0.54 -1.51 | 15.59 -0.52 -2.84 | 14.64 -0.50 -1.80 | 16.20 -0.54 -2.92 | 15.99 -0.55 -1.25 | 15.88 -0.52 0.00 | 21.73 -0.57 0.00 | 22.46 -0.59 0.00 | 25.33 -0.82 0.00 | 25.04 -0.60 0.00 | 24.99 -0.35 0.00 | 29.95 -0.30 0.00 | 28.17 -0.25 0.00 | 25.93 -0.35 0.00 | 25.30 -0.38 0.00 | 28.50 -0.35 0.00 | 32.07 -0.61 0.00 | 29.33 -0.56 0.00 | 31.93 -0.68 0.00 | 29.23 -0.34 0.00 | 28.40 -0.20 0.00 | 30.44 -0.04 0.00 | 31.28 0.17 0.00 | 24.93 0.08 0.00 |
| MID___RAQUETTE_HYD 23851 | 16.26 -0.38 -2.22 | 17.03 -0.40 -4.16 | 15.58 -0.36 -2.60 | 17.73 -0.38 -4.29 | 16.71 -0.42 -1.84 | 16.09 -0.31 0.00 | 22.08 -0.22 0.00 | 22.79 -0.26 0.00 | 25.76 -0.39 0.00 | 25.43 -0.21 0.00 | 25.26 -0.08 0.00 | 30.20 -0.05 0.00 | 28.35 -0.06 0.00 | 26.10 -0.18 0.00 | 25.46 -0.23 0.00 | 28.59 -0.27 0.00 | 32.08 -0.61 0.00 | 29.10 -0.80 0.00 | 31.80 -0.81 0.00 | 29.31 -0.26 0.00 | 28.60 0.00 0.00 | 30.78 0.31 0.00 | 31.52 0.42 0.00 | 25.04 0.19 0.00 |

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| MILLIKEN___1 23584 | 17.75 0.12 -3.22 | 13.84 0.13 -0.44 | 13.44 0.10 0.00 | 13.96 0.14 0.00 | 15.50 0.21 0.00 | 16.59 0.18 0.00 | 22.49 0.20 0.00 | 23.32 0.28 0.00 | 26.32 0.17 0.00 | 25.84 0.20 0.00 | 25.54 0.20 0.00 | 30.52 0.27 0.00 | 28.73 0.31 0.00 | 26.60 0.32 0.00 | 26.03 0.35 0.00 | 29.22 0.37 0.00 | 33.14 0.45 0.00 | 30.40 0.50 0.00 | 33.30 0.69 0.00 | 30.03 0.45 0.00 | 29.02 0.41 0.00 | 30.77 0.29 0.00 | 31.32 0.21 0.00 | 25.09 0.24 0.00 |
| MILLIKEN___2 23585 | 17.75 0.12 -3.22 | 13.84 0.13 -0.44 | 13.44 0.10 0.00 | 13.96 0.14 0.00 | 15.50 0.21 0.00 | 16.59 0.18 0.00 | 22.49 0.20 0.00 | 23.32 0.28 0.00 | 26.32 0.17 0.00 | 25.84 0.20 0.00 | 25.54 0.20 0.00 | 30.52 0.27 0.00 | 28.73 0.31 0.00 | 26.60 0.32 0.00 | 26.03 0.35 0.00 | 29.22 0.37 0.00 | 33.14 0.45 0.00 | 30.40 0.50 0.00 | 33.30 0.69 0.00 | 30.03 0.45 0.00 | 29.02 0.41 0.00 | 30.77 0.29 0.00 | 31.32 0.21 0.00 | 25.09 0.24 0.00 |
| MILLIKEN___DIESEL 23629 | 17.75 0.12 -3.22 | 13.84 0.13 -0.44 | 13.44 0.10 0.00 | 13.96 0.14 0.00 | 15.50 0.21 0.00 | 16.59 0.18 0.00 | 22.49 0.20 0.00 | 23.32 0.28 0.00 | 26.32 0.17 0.00 | 25.84 0.20 0.00 | 25.54 0.20 0.00 | 30.52 0.27 0.00 | 28.73 0.31 0.00 | 26.60 0.32 0.00 | 26.03 0.35 0.00 | 29.22 0.37 0.00 | 33.14 0.45 0.00 | 30.40 0.50 0.00 | 33.30 0.69 0.00 | 30.03 0.45 0.00 | 29.02 0.41 0.00 | 30.77 0.29 0.00 | 31.32 0.21 0.00 | 25.09 0.24 0.00 |
| MILLSEAT___LFGE 323607 | 12.22 -0.98 1.22 | 11.36 -0.89 1.02 | 11.66 -0.97 0.71 | 12.13 -0.83 0.86 | 13.36 -0.74 1.19 | 14.80 -0.84 0.77 | 19.38 -1.28 1.65 | 19.29 -1.54 2.21 | 19.18 -1.83 5.14 | 20.16 -1.73 3.76 | 19.89 -1.90 3.55 | 26.56 -2.27 1.42 | 25.24 -1.95 1.22 | 23.17 -1.80 1.32 | 21.26 -1.57 2.85 | 23.63 -1.64 3.58 | 29.07 -1.74 1.87 | 26.22 -1.99 1.69 | 28.59 -1.99 2.03 | 25.85 -2.02 1.71 | 24.54 -1.61 2.45 | 25.64 -1.82 3.02 | 20.42 -1.63 9.06 | 13.06 -0.73 11.06 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 15.18 0.77 0.00 | 13.95 0.68 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.02 0.73 0.00 | 17.15 0.75 0.00 | 23.30 1.01 0.00 | 24.24 1.20 0.00 | 27.55 1.40 0.00 | 27.07 1.42 0.00 | 26.63 1.29 0.00 | 31.74 1.49 0.00 | 29.88 1.46 0.00 | 27.74 1.46 0.00 | 27.06 1.38 0.00 | 30.32 1.47 0.00 | 34.31 1.63 0.00 | 31.76 1.86 0.00 | 34.58 1.96 0.00 | 31.26 1.69 0.00 | 30.04 1.44 0.00 | 31.63 1.15 0.00 | 32.11 1.00 0.00 | 25.72 0.86 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 15.21 0.80 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.54 0.71 0.00 | 16.05 0.76 0.00 | 17.19 0.79 0.00 | 23.36 1.07 0.00 | 24.30 1.26 0.00 | 27.62 1.47 0.00 | 27.14 1.49 0.00 | 26.70 1.36 0.00 | 31.82 1.57 0.00 | 29.96 1.54 0.00 | 27.82 1.54 0.00 | 27.13 1.45 0.00 | 30.40 1.55 0.00 | 34.41 1.72 0.00 | 31.85 1.95 0.00 | 34.68 2.07 0.00 | 31.35 1.78 0.00 | 30.12 1.51 0.00 | 31.71 1.24 0.00 | 32.19 1.08 0.00 | 25.77 0.92 0.00 |
| MODEL_CITY_ENERGY 24167 | 11.70 -1.39 1.33 | 10.85 -1.25 1.16 | 11.18 -1.34 0.81 | 11.61 -1.22 0.99 | 12.75 -1.17 1.37 | 14.21 -1.31 0.89 | 18.42 -1.99 1.89 | 18.15 -2.35 2.55 | 17.52 -2.70 5.92 | 18.77 -2.54 4.34 | 18.64 -2.61 4.09 | 25.50 -3.11 1.64 | 24.28 -2.73 1.41 | 22.26 -2.51 1.52 | 20.13 -2.27 3.29 | 22.18 -2.54 4.13 | 27.76 -2.76 2.16 | 24.93 -3.02 1.94 | 27.09 -3.18 2.34 | 24.53 -3.08 1.97 | 23.19 -2.58 2.83 | 24.18 -2.81 3.48 | 18.13 -2.54 10.44 | 10.75 -1.35 12.75 |
| MODERN_LFGE___ 323580 | 11.70 -1.39 1.33 | 10.85 -1.25 1.16 | 11.18 -1.34 0.81 | 11.61 -1.22 0.99 | 12.75 -1.17 1.37 | 14.21 -1.31 0.89 | 18.42 -1.99 1.89 | 18.15 -2.35 2.55 | 17.52 -2.70 5.92 | 18.77 -2.54 4.34 | 18.64 -2.61 4.09 | 25.50 -3.11 1.64 | 24.28 -2.73 1.41 | 22.26 -2.51 1.52 | 20.13 -2.27 3.29 | 22.18 -2.54 4.13 | 27.76 -2.76 2.16 | 24.93 -3.02 1.94 | 27.09 -3.18 2.34 | 24.53 -3.08 1.97 | 23.19 -2.58 2.83 | 24.18 -2.81 3.48 | 18.13 -2.54 10.44 | 10.75 -1.35 12.75 |
| MOHAWK_PAPER___DRP 24187 | 14.99 0.57 0.00 | 13.85 0.58 0.00 | 13.91 0.57 0.00 | 14.42 0.59 0.00 | 15.92 0.63 0.00 | 17.08 0.67 0.00 | 23.05 0.75 0.00 | 23.85 0.80 0.00 | 27.12 0.97 0.00 | 26.66 1.02 0.00 | 26.17 0.83 0.00 | 31.20 0.95 0.00 | 29.38 0.97 0.00 | 27.17 0.89 0.00 | 26.57 0.88 0.00 | 29.85 1.00 0.00 | 33.83 1.14 0.00 | 31.06 1.17 0.00 | 33.77 1.16 0.00 | 30.55 0.97 0.00 | 29.45 0.85 0.00 | 31.23 0.75 0.00 | 31.71 0.60 0.00 | 25.42 0.57 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 15.05 0.64 0.00 | 13.84 0.58 0.00 | 13.93 0.59 0.00 | 14.44 0.62 0.00 | 15.97 0.69 0.00 | 17.19 0.79 0.00 | 23.26 0.96 0.00 | 23.97 0.93 0.00 | 27.29 1.14 0.00 | 26.86 1.21 0.00 | 26.31 0.97 0.00 | 31.57 1.32 0.00 | 29.77 1.35 0.00 | 27.61 1.33 0.00 | 26.99 1.31 0.00 | 30.27 1.42 0.00 | 34.49 1.80 0.00 | 31.79 1.90 0.00 | 34.56 1.94 0.00 | 31.21 1.64 0.00 | 30.07 1.46 0.00 | 31.91 1.44 0.00 | 32.25 1.14 0.00 | 25.83 0.98 0.00 |
| MONGAUP___HYD 23641 | 15.33 0.92 0.00 | 14.07 0.81 0.00 | 14.14 0.81 0.00 | 14.65 0.83 0.00 | 16.20 0.91 0.00 | 17.34 0.94 0.00 | 23.49 1.19 0.00 | 24.44 1.40 0.00 | 27.77 1.62 0.00 | 27.47 1.82 0.00 | 26.98 1.64 0.00 | 32.14 1.89 0.00 | 30.22 1.81 0.00 | 28.04 1.76 0.00 | 27.39 1.70 0.00 | 30.68 1.83 0.00 | 34.57 1.89 0.00 | 32.09 2.20 0.00 | 35.03 2.41 0.00 | 31.65 2.08 0.00 | 30.65 2.05 0.00 | 32.22 1.75 0.00 | 32.66 1.55 0.00 | 26.13 1.28 0.00 |
| MONTAUK___DIESEL 23721 | 15.65 1.24 0.00 | 14.41 1.14 0.00 | 14.42 1.08 0.00 | 14.86 1.04 0.00 | 16.36 1.08 0.00 | 17.57 1.17 0.00 | 24.12 1.83 0.00 | 24.91 1.86 0.00 | 28.76 2.61 0.00 | 27.91 2.27 0.00 | 27.52 2.18 0.00 | 32.80 2.55 0.00 | 30.61 2.20 0.00 | 28.60 2.32 0.00 | 27.99 2.31 0.00 | 31.20 2.35 0.00 | 35.38 2.70 0.00 | 32.77 2.88 0.00 | 35.56 2.94 0.00 | 32.21 2.64 0.00 | 30.81 2.21 0.00 | 32.46 1.99 0.00 | 32.76 1.65 0.00 | 26.03 1.18 0.00 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 12.12 -1.15 1.14 | 11.98 -1.14 0.16 | 12.41 -0.93 0.00 | 12.95 -0.87 0.00 | 14.35 -0.93 0.00 | 15.50 -0.90 0.00 | 21.14 -1.16 0.00 | 21.47 -1.58 0.00 | 24.14 -2.00 0.00 | 23.94 -1.71 0.00 | 23.92 -1.42 0.00 | 28.97 -1.28 0.00 | 27.70 -0.72 0.00 | 25.68 -0.60 0.00 | 25.23 -0.46 0.00 | 28.25 -0.60 0.00 | 32.23 -0.45 0.00 | 28.80 -1.10 0.00 | 31.07 -1.54 0.00 | 27.95 -1.62 0.00 | 27.86 -0.74 0.00 | 29.79 -0.68 0.00 | 30.41 -0.70 0.00 | 24.76 -0.09 0.00 |
| MORTIMER_115KV_TB3 55949 | 13.06 -0.70 0.65 | 12.54 -0.64 0.09 | 12.65 -0.69 0.00 | 13.21 -0.61 0.00 | 14.73 -0.56 0.00 | 15.77 -0.63 0.00 | 21.30 -1.00 0.00 | 21.91 -1.13 0.00 | 24.78 -1.37 0.00 | 24.36 -1.29 0.00 | 23.98 -1.35 0.00 | 28.67 -1.58 0.00 | 27.06 -1.36 0.00 | 25.04 -1.24 0.00 | 24.60 -1.09 0.00 | 27.68 -1.17 0.00 | 31.45 -1.24 0.00 | 28.49 -1.41 0.00 | 31.22 -1.40 0.00 | 28.13 -1.44 0.00 | 27.41 -1.20 0.00 | 29.11 -1.37 0.00 | 29.75 -1.36 0.00 | 24.07 -0.78 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.05 0.76 0.00 | 17.17 0.76 0.00 | 23.34 1.04 0.00 | 24.30 1.26 0.00 | 27.64 1.50 0.00 | 27.18 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.00 1.59 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.47 1.61 0.00 | 34.44 1.76 0.00 | 31.89 2.00 0.00 | 34.69 2.08 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.71 1.24 0.00 | 32.17 1.06 0.00 | 25.75 0.90 0.00 |

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| MUNSVILLE_WIND_PWR 323609 | 16.84 0.53 -1.90 | 14.47 0.64 -0.56 | 14.16 0.57 -0.25 | 14.80 0.68 -0.31 | 16.60 0.89 -0.42 | 17.50 0.82 -0.27 | 24.19 1.31 -0.58 | 25.24 1.45 -0.75 | 29.06 1.26 -1.65 | 28.10 1.24 -1.21 | 27.78 1.30 -1.14 | 32.57 1.86 -0.46 | 30.56 1.75 -0.39 | 28.26 1.56 -0.42 | 28.31 1.71 -0.92 | 32.19 2.19 -1.15 | 35.95 2.64 -0.62 | 32.87 2.40 -0.57 | 36.23 2.92 -0.69 | 32.57 2.42 -0.58 | 31.43 2.00 -0.83 | 33.41 1.91 -1.02 | 35.95 1.77 -3.06 | 29.95 1.36 -3.74 |
| N SALMON___HYD 24042 | 23.73 -0.56 -9.88 | 34.24 -0.52 -21.49 | 31.62 -0.49 -18.77 | 32.72 -0.53 -19.43 | 22.90 -0.56 -8.18 | 16.00 -0.40 0.00 | 21.95 -0.35 0.00 | 22.66 -0.38 0.00 | 25.84 -0.31 0.00 | 25.69 0.05 0.00 | 25.53 0.19 0.00 | 30.48 0.23 0.00 | 28.72 0.31 0.00 | 26.43 0.15 0.00 | 25.80 0.11 0.00 | 29.03 0.18 0.00 | 32.85 0.16 0.00 | 29.43 -0.47 0.00 | 32.29 -0.32 0.00 | 29.64 0.07 0.00 | 28.97 0.37 0.00 | 31.42 0.94 0.00 | 32.09 0.98 0.00 | 25.42 0.57 0.00 |
| N.AKRON___115KV_KNAPP 355671 | 12.62 -0.98 0.81 | 12.26 -0.90 0.11 | 12.36 -0.98 0.00 | 12.98 -0.84 0.00 | 14.54 -0.75 0.00 | 15.56 -0.85 0.00 | 21.01 -1.29 0.00 | 21.49 -1.55 0.00 | 24.30 -1.85 0.00 | 23.91 -1.74 0.00 | 23.44 -1.90 0.00 | 28.00 -2.25 0.00 | 26.47 -1.95 0.00 | 24.49 -1.79 0.00 | 24.14 -1.54 0.00 | 27.22 -1.64 0.00 | 30.95 -1.73 0.00 | 27.88 -2.02 0.00 | 30.60 -2.02 0.00 | 27.51 -2.06 0.00 | 26.96 -1.64 0.00 | 28.63 -1.84 0.00 | 29.44 -1.67 0.00 | 24.08 -0.77 0.00 |
| N.BELMOR_69_KV_BK1 55787 | 15.42 1.00 0.00 | 14.16 0.90 0.00 | 14.20 0.86 0.00 | 14.67 0.85 0.00 | 16.19 0.90 0.00 | 17.35 0.94 0.00 | 23.64 1.34 0.00 | 24.54 1.49 0.00 | 28.04 1.89 0.00 | 27.52 1.88 0.00 | 27.16 1.82 0.00 | 32.35 2.10 0.00 | 30.39 1.97 0.00 | 28.35 2.06 0.00 | 27.66 1.97 0.00 | 30.89 2.04 0.00 | 34.94 2.25 0.00 | 32.33 2.44 0.00 | 35.21 2.59 0.00 | 31.85 2.28 0.00 | 30.62 2.02 0.00 | 32.25 1.78 0.00 | 32.66 1.55 0.00 | 26.09 1.24 0.00 |
| N.E_GEN_SANDY PD 24062 | 15.31 0.58 -0.31 | 13.85 0.59 0.00 | 13.93 0.59 0.00 | 14.43 0.61 0.00 | 15.72 0.63 0.20 | 17.15 0.68 -0.06 | 22.95 0.73 0.07 | 23.82 0.77 0.00 | 25.61 0.95 1.49 | 26.72 0.99 -0.08 | 26.05 0.75 0.04 | 31.07 0.81 0.00 | 29.25 0.83 0.00 | 27.06 0.78 0.00 | 26.44 0.76 0.00 | 29.70 0.85 0.00 | 33.68 1.00 0.00 | 31.07 1.08 -0.10 | 33.66 1.05 0.00 | 30.45 0.87 0.00 | 29.33 0.72 0.00 | 31.04 0.57 0.00 | 31.01 0.40 0.50 | 25.09 0.44 0.20 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 15.18 0.77 0.00 | 13.94 0.67 0.00 | 14.01 0.67 0.00 | 14.50 0.68 0.00 | 16.02 0.73 0.00 | 17.15 0.75 0.00 | 23.32 1.03 0.00 | 24.25 1.21 0.00 | 27.54 1.40 0.00 | 27.06 1.41 0.00 | 26.61 1.28 0.00 | 31.74 1.49 0.00 | 29.87 1.45 0.00 | 27.74 1.46 0.00 | 27.05 1.37 0.00 | 30.31 1.45 0.00 | 34.30 1.61 0.00 | 31.76 1.87 0.00 | 34.60 1.99 0.00 | 31.28 1.71 0.00 | 30.04 1.44 0.00 | 31.64 1.16 0.00 | 32.13 1.02 0.00 | 25.75 0.89 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 15.23 0.82 0.00 | 13.96 0.69 0.00 | 14.02 0.68 0.00 | 14.51 0.69 0.00 | 16.01 0.73 0.00 | 17.12 0.72 0.00 | 23.31 1.01 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.19 1.54 0.00 | 26.77 1.43 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.89 1.61 0.00 | 27.19 1.50 0.00 | 30.46 1.61 0.00 | 34.37 1.69 0.00 | 31.87 1.97 0.00 | 34.65 2.04 0.00 | 31.37 1.80 0.00 | 30.17 1.56 0.00 | 31.66 1.19 0.00 | 32.13 1.02 0.00 | 25.73 0.88 0.00 |
| N.TROY___115KV_TB1 355778 | 14.93 0.52 0.00 | 13.80 0.53 0.00 | 13.87 0.53 0.00 | 14.37 0.56 0.00 | 15.87 0.58 0.00 | 17.03 0.63 0.00 | 22.96 0.66 0.00 | 23.71 0.67 0.00 | 26.97 0.82 0.00 | 26.52 0.88 0.00 | 26.00 0.66 0.00 | 31.02 0.77 0.00 | 29.21 0.80 0.00 | 27.00 0.72 0.00 | 26.40 0.72 0.00 | 29.68 0.82 0.00 | 33.66 0.97 0.00 | 30.87 0.98 0.00 | 33.56 0.95 0.00 | 30.37 0.79 0.00 | 29.28 0.68 0.00 | 31.09 0.61 0.00 | 31.54 0.44 0.00 | 25.30 0.45 0.00 |
| NARROWS_GT1_1 24228 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT1_2 24229 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT1_3 24230 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT1_4 24231 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT1_5 24232 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT1_6 24233 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT1_7 24234 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |

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|---|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| NARROWS_GT1_8 24235 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT2_1 24236 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT2_2 24237 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT2_3 24238 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT2_4 24239 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT2_5 24240 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT2_6 24241 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT2_7 24242 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NARROWS_GT2_8 24243 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 15.23 0.81 0.00 | 14.08 0.81 0.00 | 14.15 0.81 0.00 | 14.68 0.86 0.00 | 16.23 0.94 0.00 | 17.43 1.03 0.00 | 23.59 1.29 0.00 | 24.41 1.37 0.00 | 27.76 1.62 0.00 | 27.29 1.64 0.00 | 26.79 1.46 0.00 | 31.96 1.71 0.00 | 30.06 1.64 0.00 | 27.78 1.50 0.00 | 27.17 1.48 0.00 | 30.56 1.71 0.00 | 34.71 2.03 0.00 | 31.84 1.95 0.00 | 34.66 2.04 0.00 | 31.29 1.72 0.00 | 30.17 1.56 0.00 | 31.97 1.50 0.00 | 32.43 1.32 0.00 | 25.95 1.10 0.00 |
| NCHELSEA_115KV_TR2 355582 | 15.25 0.84 0.00 | 14.03 0.76 0.00 | 14.10 0.76 0.00 | 14.60 0.78 0.00 | 16.13 0.84 0.00 | 17.29 0.88 0.00 | 23.48 1.18 0.00 | 24.38 1.33 0.00 | 27.67 1.53 0.00 | 27.12 1.48 0.00 | 26.59 1.25 0.00 | 31.60 1.34 0.00 | 29.66 1.24 0.00 | 27.49 1.21 0.00 | 26.83 1.15 0.00 | 30.09 1.24 0.00 | 34.08 1.40 0.00 | 31.73 1.83 0.00 | 34.80 2.19 0.00 | 31.46 1.89 0.00 | 30.24 1.64 0.00 | 31.86 1.39 0.00 | 32.34 1.23 0.00 | 25.89 1.04 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 15.05 0.64 0.00 | 13.85 0.58 0.00 | 13.93 0.59 0.00 | 14.44 0.62 0.00 | 15.96 0.67 0.00 | 17.14 0.73 0.00 | 23.21 0.91 0.00 | 24.00 0.96 0.00 | 27.30 1.16 0.00 | 26.92 1.27 0.00 | 26.42 1.08 0.00 | 31.54 1.29 0.00 | 29.64 1.23 0.00 | 27.40 1.12 0.00 | 26.82 1.14 0.00 | 30.09 1.24 0.00 | 34.17 1.49 0.00 | 31.40 1.50 0.00 | 34.16 1.54 0.00 | 30.89 1.31 0.00 | 29.77 1.17 0.00 | 31.56 1.08 0.00 | 31.99 0.88 0.00 | 25.62 0.77 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 12.91 -0.82 0.68 | 12.06 -0.75 0.46 | 12.24 -0.79 0.30 | 12.72 -0.73 0.37 | 14.05 -0.72 0.51 | 15.28 -0.79 0.33 | 20.39 -1.20 0.71 | 20.80 -1.29 0.96 | 22.41 -1.54 2.20 | 22.57 -1.46 1.61 | 22.31 -1.50 1.52 | 27.85 -1.79 0.61 | 26.31 -1.59 0.53 | 24.26 -1.46 0.56 | 23.11 -1.35 1.22 | 25.82 -1.49 1.54 | 30.29 -1.59 0.80 | 27.55 -1.62 0.72 | 30.10 -1.64 0.87 | 27.19 -1.66 0.73 | 26.10 -1.46 1.05 | 27.50 -1.68 1.29 | 25.53 -1.71 3.87 | 19.02 -1.11 4.72 |
| NEG CENTRAL___DRP 24199 | 13.27 -0.25 0.89 | 12.93 -0.21 0.12 | 13.09 -0.25 0.00 | 13.62 -0.20 0.00 | 15.15 -0.13 0.00 | 16.22 -0.18 0.00 | 21.99 -0.31 0.00 | 22.81 -0.23 0.00 | 25.76 -0.39 0.00 | 25.31 -0.34 0.00 | 25.04 -0.30 0.00 | 29.90 -0.35 0.00 | 28.22 -0.19 0.00 | 26.05 -0.22 0.00 | 25.47 -0.21 0.00 | 28.56 -0.29 0.00 | 32.37 -0.31 0.00 | 29.64 -0.26 0.00 | 32.49 -0.12 0.00 | 29.27 -0.31 0.00 | 28.35 -0.26 0.00 | 30.10 -0.38 0.00 | 30.65 -0.46 0.00 | 24.65 -0.20 0.00 |
| NEG CENTRAL___INDECK 23768 | 11.75 -0.46 2.20 | 12.64 -0.42 0.21 | 12.96 -0.47 -0.09 | 13.60 -0.32 -0.10 | 15.28 -0.15 -0.14 | 16.28 -0.22 -0.09 | 22.27 -0.23 -0.20 | 23.28 -0.10 -0.34 | 26.73 -0.41 -0.99 | 25.81 -0.57 -0.73 | 25.52 -0.51 -0.69 | 29.98 -0.54 -0.27 | 28.29 -0.37 -0.24 | 26.26 -0.28 -0.25 | 26.03 -0.20 -0.55 | 29.33 -0.21 -0.70 | 32.94 -0.10 -0.36 | 30.14 -0.07 -0.32 | 33.32 0.32 -0.39 | 29.92 0.03 -0.32 | 29.18 0.11 -0.47 | 31.06 0.01 -0.57 | 32.86 0.03 -1.72 | 27.21 0.26 -2.10 |

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| NEG CENTRAL___SENECA 23627 | 12.45 -0.35 1.61 | 12.74 -0.31 0.22 | 13.00 -0.34 0.00 | 13.55 -0.27 0.00 | 15.11 -0.18 0.00 | 16.17 -0.24 0.00 | 21.96 -0.34 0.00 | 22.82 -0.23 0.00 | 25.71 -0.44 0.00 | 25.28 -0.37 0.00 | 25.05 -0.29 0.00 | 29.93 -0.32 0.00 | 28.28 -0.14 0.00 | 26.07 -0.21 0.00 | 25.48 -0.20 0.00 | 28.55 -0.30 0.00 | 32.35 -0.34 0.00 | 29.60 -0.30 0.00 | 32.50 -0.12 0.00 | 29.22 -0.35 0.00 | 28.32 -0.28 0.00 | 30.10 -0.38 0.00 | 30.60 -0.51 0.00 | 24.66 -0.19 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 14.72 0.00 -0.31 | 13.32 0.01 -0.04 | 13.28 -0.06 0.00 | 13.79 -0.03 0.00 | 15.34 0.05 0.00 | 16.40 0.00 0.00 | 22.17 -0.12 0.00 | 22.94 -0.10 0.00 | 26.04 -0.11 0.00 | 25.58 -0.06 0.00 | 25.28 -0.06 0.00 | 30.16 -0.09 0.00 | 28.40 -0.02 0.00 | 26.31 0.03 0.00 | 25.70 0.01 0.00 | 28.86 0.00 0.00 | 32.75 0.07 0.00 | 30.00 0.10 0.00 | 32.80 0.19 0.00 | 29.58 0.01 0.00 | 28.66 0.06 0.00 | 30.40 -0.07 0.00 | 30.98 -0.13 0.00 | 24.88 0.03 0.00 |
| NEG MILLWOOD___DRP 24198 | 15.28 0.87 0.00 | 14.05 0.78 0.00 | 14.12 0.78 0.00 | 14.63 0.81 0.00 | 16.15 0.87 0.00 | 17.32 0.92 0.00 | 23.53 1.23 0.00 | 24.46 1.41 0.00 | 27.78 1.64 0.00 | 27.28 1.64 0.00 | 26.81 1.47 0.00 | 31.91 1.66 0.00 | 30.01 1.59 0.00 | 27.83 1.55 0.00 | 27.17 1.49 0.00 | 30.47 1.62 0.00 | 34.51 1.83 0.00 | 32.00 2.10 0.00 | 34.94 2.32 0.00 | 31.57 1.99 0.00 | 30.34 1.74 0.00 | 31.95 1.47 0.00 | 32.40 1.29 0.00 | 25.93 1.07 0.00 |
| NEG NORTH_FLCN_SEA 23793 | -0.75 -0.72 14.44 | -21.51 -0.67 34.11 | -21.26 -0.66 33.95 | -15.59 -0.71 28.71 | 2.57 -0.76 11.95 | 15.80 -0.60 0.00 | 21.59 -0.71 0.00 | 22.28 -0.76 0.00 | 25.56 -0.59 0.00 | 25.56 -0.08 0.00 | 25.39 0.05 0.00 | 30.35 0.10 0.00 | 28.65 0.23 0.00 | 26.38 0.10 0.00 | 25.76 0.07 0.00 | 28.96 0.11 0.00 | 32.77 0.09 0.00 | 29.03 -0.87 0.00 | 31.83 -0.79 0.00 | 29.42 -0.15 0.00 | 28.80 0.20 0.00 | 31.52 1.05 0.00 | 32.25 1.14 0.00 | 25.61 0.76 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | -1.70 -0.73 15.38 | -23.64 -0.67 36.24 | -23.25 -0.65 35.94 | -17.46 -0.70 30.58 | 1.80 -0.76 12.73 | 15.79 -0.62 0.00 | 21.63 -0.67 0.00 | 22.32 -0.72 0.00 | 25.55 -0.60 0.00 | 25.47 -0.17 0.00 | 25.35 0.01 0.00 | 30.28 0.03 0.00 | 28.54 0.12 0.00 | 26.25 -0.03 0.00 | 25.65 -0.03 0.00 | 28.86 0.01 0.00 | 32.72 0.03 0.00 | 29.18 -0.72 0.00 | 32.06 -0.56 0.00 | 29.39 -0.18 0.00 | 28.73 0.13 0.00 | 31.28 0.81 0.00 | 31.95 0.84 0.00 | 25.32 0.47 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | -0.83 -0.65 14.59 | -21.79 -0.61 34.45 | -21.52 -0.60 34.26 | -15.82 -0.64 29.01 | 2.53 -0.69 12.07 | 15.89 -0.51 0.00 | 21.74 -0.56 0.00 | 22.45 -0.60 0.00 | 25.73 -0.42 0.00 | 25.69 0.04 0.00 | 25.50 0.16 0.00 | 30.48 0.23 0.00 | 28.78 0.36 0.00 | 26.50 0.22 0.00 | 25.88 0.19 0.00 | 29.11 0.26 0.00 | 32.98 0.30 0.00 | 29.31 -0.58 0.00 | 32.16 -0.46 0.00 | 29.62 0.05 0.00 | 28.97 0.37 0.00 | 31.61 1.13 0.00 | 32.30 1.19 0.00 | 25.62 0.77 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | -0.83 -0.65 14.59 | -21.79 -0.61 34.45 | -21.52 -0.60 34.26 | -15.82 -0.64 29.01 | 2.53 -0.69 12.07 | 15.89 -0.51 0.00 | 21.74 -0.56 0.00 | 22.45 -0.60 0.00 | 25.73 -0.42 0.00 | 25.69 0.04 0.00 | 25.50 0.16 0.00 | 30.48 0.23 0.00 | 28.78 0.36 0.00 | 26.50 0.22 0.00 | 25.88 0.19 0.00 | 29.11 0.26 0.00 | 32.98 0.30 0.00 | 29.31 -0.58 0.00 | 32.16 -0.46 0.00 | 29.62 0.05 0.00 | 28.97 0.37 0.00 | 31.61 1.13 0.00 | 32.30 1.19 0.00 | 25.62 0.77 0.00 |
| NEG NORTH___PLATTSBURG 23628 | -0.83 -0.65 14.59 | -21.79 -0.61 34.45 | -21.52 -0.60 34.26 | -15.82 -0.64 29.01 | 2.53 -0.69 12.07 | 15.89 -0.51 0.00 | 21.74 -0.56 0.00 | 22.45 -0.59 0.00 | 25.72 -0.42 0.00 | 25.69 0.04 0.00 | 25.50 0.16 0.00 | 30.48 0.23 0.00 | 28.78 0.36 0.00 | 26.50 0.22 0.00 | 25.88 0.19 0.00 | 29.11 0.26 0.00 | 32.98 0.30 0.00 | 29.31 -0.58 0.00 | 32.16 -0.46 0.00 | 29.62 0.05 0.00 | 28.97 0.37 0.00 | 31.61 1.13 0.00 | 32.30 1.19 0.00 | 25.62 0.77 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 12.31 -1.26 0.84 | 12.02 -1.14 0.11 | 12.11 -1.23 0.00 | 12.73 -1.09 0.00 | 14.26 -1.03 0.00 | 15.24 -1.16 0.00 | 20.53 -1.77 0.00 | 20.95 -2.10 0.00 | 23.70 -2.44 0.00 | 23.37 -2.27 0.00 | 22.99 -2.35 0.00 | 27.47 -2.78 0.00 | 26.01 -2.41 0.00 | 24.07 -2.21 0.00 | 23.71 -1.97 0.00 | 26.65 -2.20 0.00 | 30.31 -2.37 0.00 | 27.21 -2.69 0.00 | 29.82 -2.80 0.00 | 26.81 -2.76 0.00 | 26.33 -2.28 0.00 | 28.01 -2.47 0.00 | 28.85 -2.26 0.00 | 23.68 -1.17 0.00 |
| NEG WEST___LANCASTER 23811 | 12.83 -0.51 1.07 | 12.68 -0.45 0.15 | 12.83 -0.50 0.00 | 13.47 -0.35 0.00 | 15.06 -0.22 0.00 | 16.07 -0.33 0.00 | 21.62 -0.68 0.00 | 22.20 -0.85 0.00 | 25.10 -1.05 0.00 | 24.76 -0.88 0.00 | 24.47 -0.87 0.00 | 29.34 -0.91 0.00 | 27.84 -0.58 0.00 | 25.75 -0.53 0.00 | 25.36 -0.33 0.00 | 28.47 -0.38 0.00 | 32.28 -0.40 0.00 | 29.04 -0.85 0.00 | 31.74 -0.88 0.00 | 28.51 -1.06 0.00 | 27.92 -0.68 0.00 | 29.73 -0.74 0.00 | 30.65 -0.46 0.00 | 25.04 0.19 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 14.60 -0.03 -0.22 | 13.76 0.00 -0.49 | 13.71 -0.01 -0.38 | 14.32 0.03 -0.47 | 16.02 0.09 -0.64 | 16.85 0.03 -0.42 | 23.16 -0.02 -0.88 | 24.30 0.03 -1.22 | 29.26 -0.01 -3.12 | 27.97 0.04 -2.28 | 27.60 0.10 -2.16 | 31.30 0.18 -0.86 | 29.43 0.27 -0.74 | 27.33 0.25 -0.80 | 27.69 0.27 -1.74 | 31.32 0.29 -2.18 | 34.32 0.45 -1.19 | 31.47 0.47 -1.10 | 34.56 0.61 -1.33 | 31.06 0.37 -1.12 | 30.52 0.31 -1.61 | 32.68 0.23 -1.98 | 37.20 0.15 -5.93 | 32.28 0.18 -7.24 |
| NEG___GEN_MONROE 24207 | 13.09 -0.66 0.66 | 12.58 -0.60 0.09 | 12.68 -0.66 0.00 | 13.26 -0.56 0.00 | 14.79 -0.49 0.00 | 15.84 -0.56 0.00 | 21.41 -0.89 0.00 | 22.00 -1.04 0.00 | 24.87 -1.28 0.00 | 24.43 -1.22 0.00 | 24.03 -1.32 0.00 | 28.70 -1.56 0.00 | 27.09 -1.33 0.00 | 25.07 -1.21 0.00 | 24.65 -1.03 0.00 | 27.76 -1.10 0.00 | 31.57 -1.12 0.00 | 28.59 -1.31 0.00 | 31.35 -1.26 0.00 | 28.24 -1.33 0.00 | 27.53 -1.08 0.00 | 29.23 -1.25 0.00 | 29.90 -1.21 0.00 | 24.23 -0.62 0.00 |
| NEPA___ENERGY 23901 | 12.31 -1.03 1.07 | 12.19 -0.93 0.15 | 12.42 -0.92 0.00 | 13.02 -0.80 0.00 | 14.57 -0.71 0.00 | 15.53 -0.87 0.00 | 20.96 -1.34 0.00 | 21.66 -1.38 0.00 | 24.29 -1.85 0.00 | 23.98 -1.67 0.00 | 23.84 -1.50 0.00 | 28.68 -1.57 0.00 | 27.21 -1.20 0.00 | 25.16 -1.12 0.00 | 24.70 -0.99 0.00 | 27.68 -1.17 0.00 | 31.46 -1.22 0.00 | 28.33 -1.57 0.00 | 31.03 -1.58 0.00 | 27.74 -1.84 0.00 | 27.19 -1.42 0.00 | 29.08 -1.40 0.00 | 29.71 -1.40 0.00 | 24.11 -0.74 0.00 |
| NEVERSINK___HYD 23608 | 15.16 0.75 0.00 | 13.91 0.64 0.00 | 14.02 0.68 0.00 | 14.54 0.72 0.00 | 16.05 0.77 0.00 | 17.18 0.78 0.00 | 23.42 1.12 0.00 | 24.37 1.33 0.00 | 27.66 1.52 0.00 | 27.18 1.53 0.00 | 26.74 1.41 0.00 | 31.89 1.64 0.00 | 30.36 1.94 0.00 | 28.15 1.86 0.00 | 27.51 1.82 0.00 | 30.87 2.02 0.00 | 34.98 2.30 0.00 | 32.36 2.46 0.00 | 35.40 2.78 0.00 | 31.95 2.38 0.00 | 30.73 2.12 0.00 | 32.37 1.90 0.00 | 32.76 1.65 0.00 | 26.27 1.42 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 15.01 0.60 0.00 | 13.87 0.60 0.00 | 13.93 0.60 0.00 | 14.44 0.62 0.00 | 15.95 0.66 0.00 | 17.11 0.70 0.00 | 23.10 0.80 0.00 | 23.90 0.86 0.00 | 27.17 1.03 0.00 | 26.72 1.08 0.00 | 26.23 0.89 0.00 | 31.28 1.03 0.00 | 29.46 1.04 0.00 | 27.25 0.96 0.00 | 26.63 0.94 0.00 | 29.92 1.07 0.00 | 33.90 1.22 0.00 | 31.13 1.23 0.00 | 33.85 1.24 0.00 | 30.62 1.05 0.00 | 29.52 0.91 0.00 | 31.28 0.81 0.00 | 31.77 0.66 0.00 | 25.46 0.61 0.00 |

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| NEWTON___FALLS_HYD 23847 | 15.38 -0.54 -1.51 | 15.59 -0.52 -2.84 | 14.64 -0.50 -1.80 | 16.20 -0.54 -2.92 | 15.99 -0.55 -1.25 | 15.88 -0.52 0.00 | 21.73 -0.57 0.00 | 22.46 -0.59 0.00 | 25.33 -0.82 0.00 | 25.04 -0.60 0.00 | 24.99 -0.35 0.00 | 29.95 -0.30 0.00 | 28.17 -0.25 0.00 | 25.93 -0.35 0.00 | 25.30 -0.38 0.00 | 28.50 -0.35 0.00 | 32.07 -0.61 0.00 | 29.33 -0.56 0.00 | 31.93 -0.68 0.00 | 29.23 -0.34 0.00 | 28.40 -0.20 0.00 | 30.44 -0.04 0.00 | 31.28 0.17 0.00 | 24.93 0.08 0.00 |
| NGRID_A1_DSASP 323792 | 11.62 -1.44 1.35 | 10.77 -1.30 1.21 | 11.12 -1.38 0.84 | 11.53 -1.26 1.03 | 12.67 -1.19 1.42 | 14.13 -1.35 0.92 | 18.30 -2.03 1.97 | 18.02 -2.38 2.65 | 17.26 -2.74 6.15 | 18.57 -2.57 4.50 | 18.45 -2.64 4.25 | 25.29 -3.26 1.71 | 24.09 -2.87 1.46 | 22.09 -2.61 1.58 | 19.90 -2.37 3.42 | 21.98 -2.58 4.29 | 27.45 -2.99 2.25 | 24.61 -3.26 2.02 | 26.77 -3.41 2.43 | 24.21 -3.32 2.04 | 22.98 -2.68 2.94 | 23.91 -2.94 3.62 | 17.61 -2.65 10.85 | 10.13 -1.47 13.25 |
| NGRID_A2_DSASP 323793 | 11.62 -1.44 1.35 | 10.77 -1.30 1.21 | 11.12 -1.38 0.84 | 11.53 -1.26 1.03 | 12.67 -1.19 1.42 | 14.13 -1.35 0.92 | 18.30 -2.03 1.97 | 18.02 -2.38 2.65 | 17.26 -2.74 6.15 | 18.57 -2.57 4.50 | 18.45 -2.64 4.25 | 25.29 -3.26 1.71 | 24.09 -2.87 1.46 | 22.09 -2.61 1.58 | 19.90 -2.37 3.42 | 21.98 -2.58 4.29 | 27.45 -2.99 2.25 | 24.61 -3.26 2.02 | 26.77 -3.41 2.43 | 24.21 -3.32 2.04 | 22.98 -2.68 2.94 | 23.91 -2.94 3.62 | 17.61 -2.65 10.85 | 10.13 -1.47 13.25 |
| NGRID_A4_DSASP 323807 | 11.62 -1.44 1.35 | 10.77 -1.30 1.21 | 11.12 -1.38 0.84 | 11.53 -1.26 1.03 | 12.67 -1.19 1.42 | 14.13 -1.35 0.92 | 18.30 -2.03 1.97 | 18.02 -2.38 2.65 | 17.26 -2.74 6.15 | 18.57 -2.57 4.50 | 18.45 -2.64 4.25 | 25.29 -3.26 1.71 | 24.09 -2.87 1.46 | 22.09 -2.61 1.58 | 19.90 -2.37 3.42 | 21.98 -2.58 4.29 | 27.45 -2.99 2.25 | 24.61 -3.26 2.02 | 26.77 -3.41 2.43 | 24.21 -3.32 2.04 | 22.98 -2.68 2.94 | 23.91 -2.94 3.62 | 17.61 -2.65 10.85 | 10.13 -1.47 13.25 |
| NIAGARA_115E_LBMP 323715 | 11.60 -1.46 1.35 | 10.75 -1.33 1.19 | 11.09 -1.42 0.83 | 11.51 -1.30 1.02 | 12.63 -1.25 1.41 | 14.09 -1.40 0.91 | 18.23 -2.13 1.95 | 17.92 -2.50 2.62 | 17.18 -2.88 6.08 | 18.49 -2.70 4.45 | 18.37 -2.76 4.20 | 25.26 -3.30 1.69 | 24.06 -2.91 1.45 | 22.05 -2.67 1.56 | 19.87 -2.43 3.38 | 21.88 -2.73 4.24 | 27.50 -2.97 2.22 | 24.67 -3.23 2.00 | 26.80 -3.41 2.41 | 24.27 -3.28 2.02 | 22.92 -2.79 2.91 | 23.88 -3.02 3.58 | 17.66 -2.72 10.73 | 10.27 -1.48 13.10 |
| NIAGARA_115W_LBMP 323714 | 11.60 -1.47 1.35 | 10.75 -1.31 1.20 | 11.10 -1.40 0.84 | 11.51 -1.28 1.03 | 12.65 -1.22 1.42 | 14.11 -1.38 0.92 | 18.27 -2.06 1.96 | 17.99 -2.41 2.64 | 17.23 -2.77 6.14 | 18.54 -2.61 4.50 | 18.42 -2.68 4.24 | 25.23 -3.32 1.70 | 24.03 -2.92 1.46 | 22.04 -2.67 1.57 | 19.86 -2.41 3.41 | 21.94 -2.63 4.28 | 27.38 -3.07 2.24 | 24.56 -3.32 2.02 | 26.71 -3.47 2.43 | 24.15 -3.38 2.04 | 22.93 -2.74 2.94 | 23.86 -3.01 3.61 | 17.58 -2.70 10.83 | 10.11 -1.51 13.23 |
| NIAGARA_230_LBMP 323716 | 11.75 -1.34 1.33 | 10.88 -1.21 1.19 | 11.22 -1.29 0.83 | 11.64 -1.16 1.02 | 12.78 -1.11 1.40 | 14.24 -1.25 0.91 | 18.42 -1.94 1.94 | 18.18 -2.25 2.61 | 17.46 -2.62 6.07 | 18.76 -2.45 4.44 | 18.66 -2.49 4.19 | 25.61 -2.96 1.68 | 24.40 -2.57 1.44 | 22.36 -2.36 1.56 | 20.17 -2.15 3.37 | 22.22 -2.40 4.23 | 27.82 -2.65 2.21 | 24.96 -2.95 1.99 | 27.13 -3.08 2.40 | 24.56 -2.99 2.02 | 23.21 -2.50 2.90 | 24.20 -2.71 3.57 | 17.90 -2.51 10.70 | 10.36 -1.42 13.07 |
| NIAGARA___115KV_198_GIBSON 55903 | 12.09 -1.47 0.86 | 11.83 -1.32 0.12 | 11.93 -1.41 0.00 | 12.54 -1.28 0.00 | 14.07 -1.22 0.00 | 15.02 -1.38 0.00 | 20.23 -2.07 0.00 | 20.63 -2.42 0.00 | 23.35 -2.80 0.00 | 23.03 -2.62 0.00 | 22.64 -2.70 0.00 | 26.93 -3.32 0.00 | 25.48 -2.94 0.00 | 23.61 -2.67 0.00 | 23.29 -2.40 0.00 | 26.21 -2.64 0.00 | 29.65 -3.03 0.00 | 26.54 -3.36 0.00 | 29.12 -3.49 0.00 | 26.16 -3.41 0.00 | 25.83 -2.77 0.00 | 27.47 -3.00 0.00 | 28.38 -2.73 0.00 | 23.30 -1.55 0.00 |
| NIAGARA____ 23760 | 11.74 -1.34 1.34 | 10.87 -1.21 1.19 | 11.22 -1.29 0.83 | 11.64 -1.16 1.02 | 12.77 -1.11 1.41 | 14.24 -1.25 0.91 | 18.42 -1.94 1.94 | 18.18 -2.25 2.62 | 17.45 -2.62 6.08 | 18.75 -2.45 4.45 | 18.65 -2.49 4.20 | 25.61 -2.96 1.69 | 24.39 -2.57 1.45 | 22.36 -2.36 1.56 | 20.16 -2.15 3.38 | 22.21 -2.40 4.24 | 27.81 -2.65 2.22 | 24.95 -2.95 2.00 | 27.13 -3.08 2.41 | 24.56 -2.99 2.02 | 23.20 -2.50 2.91 | 24.19 -2.71 3.58 | 17.88 -2.51 10.72 | 10.33 -1.42 13.09 |
| NINE_MILE_1 23575 | 14.08 -0.33 0.00 | 12.97 -0.29 0.00 | 13.03 -0.31 0.00 | 13.52 -0.30 0.00 | 14.94 -0.35 0.00 | 15.98 -0.42 0.00 | 21.59 -0.71 0.00 | 22.30 -0.74 0.00 | 25.29 -0.85 0.00 | 24.81 -0.84 0.00 | 24.49 -0.84 0.00 | 29.26 -0.99 0.00 | 27.53 -0.89 0.00 | 25.47 -0.81 0.00 | 24.91 -0.77 0.00 | 27.98 -0.87 0.00 | 31.71 -0.98 0.00 | 29.00 -0.89 0.00 | 31.67 -0.94 0.00 | 28.64 -0.93 0.00 | 27.71 -0.89 0.00 | 29.48 -1.00 0.00 | 30.08 -1.03 0.00 | 24.14 -0.71 0.00 |
| NINE_MILE_2 23744 | 14.09 -0.32 0.00 | 12.98 -0.29 0.00 | 13.03 -0.30 0.00 | 13.52 -0.30 0.00 | 14.94 -0.35 0.00 | 15.98 -0.42 0.00 | 21.59 -0.71 0.00 | 22.30 -0.74 0.00 | 25.29 -0.85 0.00 | 24.81 -0.84 0.00 | 24.50 -0.84 0.00 | 29.26 -0.99 0.00 | 27.53 -0.88 0.00 | 25.48 -0.81 0.00 | 24.92 -0.77 0.00 | 27.99 -0.86 0.00 | 31.71 -0.97 0.00 | 29.00 -0.89 0.00 | 31.68 -0.94 0.00 | 28.64 -0.93 0.00 | 27.72 -0.89 0.00 | 29.48 -0.99 0.00 | 30.09 -1.02 0.00 | 24.14 -0.71 0.00 |
| NM_CAPITAL___DRP 24208 | 14.98 0.56 0.00 | 13.83 0.56 0.00 | 13.90 0.56 0.00 | 14.41 0.58 0.00 | 15.91 0.62 0.00 | 17.06 0.66 0.00 | 23.01 0.72 0.00 | 23.80 0.76 0.00 | 27.07 0.92 0.00 | 26.62 0.97 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.33 0.91 0.00 | 27.12 0.84 0.00 | 26.51 0.82 0.00 | 29.79 0.93 0.00 | 33.75 1.07 0.00 | 30.98 1.08 0.00 | 33.69 1.07 0.00 | 30.47 0.90 0.00 | 29.38 0.78 0.00 | 31.15 0.68 0.00 | 31.63 0.53 0.00 | 25.37 0.52 0.00 |
| NM_CENTRAL___DRP 24181 | 14.28 -0.14 0.00 | 13.15 -0.12 0.00 | 13.21 -0.13 0.00 | 13.71 -0.11 0.00 | 15.17 -0.12 0.00 | 16.22 -0.18 0.00 | 21.91 -0.38 0.00 | 22.62 -0.42 0.00 | 25.64 -0.50 0.00 | 25.17 -0.48 0.00 | 24.86 -0.48 0.00 | 29.71 -0.54 0.00 | 27.97 -0.45 0.00 | 25.89 -0.39 0.00 | 25.37 -0.32 0.00 | 28.48 -0.37 0.00 | 32.24 -0.44 0.00 | 29.49 -0.41 0.00 | 32.23 -0.39 0.00 | 29.11 -0.47 0.00 | 28.15 -0.46 0.00 | 29.94 -0.53 0.00 | 30.59 -0.52 0.00 | 24.53 -0.32 0.00 |
| NM_FRONTIER___DRP 24179 | 12.09 -1.47 0.86 | 11.83 -1.32 0.12 | 11.93 -1.41 0.00 | 12.54 -1.28 0.00 | 14.07 -1.22 0.00 | 15.02 -1.38 0.00 | 20.23 -2.07 0.00 | 20.63 -2.42 0.00 | 23.35 -2.80 0.00 | 23.03 -2.62 0.00 | 22.64 -2.70 0.00 | 26.93 -3.32 0.00 | 25.48 -2.94 0.00 | 23.61 -2.67 0.00 | 23.29 -2.40 0.00 | 26.21 -2.64 0.00 | 29.65 -3.03 0.00 | 26.54 -3.36 0.00 | 29.12 -3.49 0.00 | 26.16 -3.41 0.00 | 25.83 -2.77 0.00 | 27.47 -3.00 0.00 | 28.38 -2.73 0.00 | 23.30 -1.55 0.00 |
| NM_ST_REGIS___HYD 24053 | 17.73 -0.48 -3.80 | 20.57 -0.43 -7.73 | 18.87 -0.39 -5.93 | 20.81 -0.42 -7.41 | 17.98 -0.45 -3.15 | 16.07 -0.33 0.00 | 22.05 -0.25 0.00 | 22.76 -0.28 0.00 | 25.79 -0.36 0.00 | 25.51 -0.13 0.00 | 25.35 0.01 0.00 | 30.30 0.05 0.00 | 28.47 0.05 0.00 | 26.21 -0.07 0.00 | 25.56 -0.13 0.00 | 28.72 -0.13 0.00 | 32.29 -0.39 0.00 | 29.19 -0.70 0.00 | 31.94 -0.67 0.00 | 29.41 -0.16 0.00 | 28.71 0.11 0.00 | 30.98 0.50 0.00 | 31.71 0.60 0.00 | 25.16 0.31 0.00 |

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| NORTHPORT___1 23551 | 15.38 0.97 0.00 | 14.14 0.87 0.00 | 14.18 0.84 0.00 | 14.63 0.80 0.00 | 16.13 0.84 0.00 | 17.25 0.85 0.00 | 23.49 1.19 0.00 | 24.30 1.25 0.00 | 27.86 1.71 0.00 | 27.28 1.64 0.00 | 26.99 1.65 0.00 | 32.09 1.84 0.00 | 30.09 1.67 0.00 | 28.14 1.86 0.00 | 27.50 1.81 0.00 | 30.66 1.81 0.00 | 34.71 2.03 0.00 | 32.11 2.22 0.00 | 34.87 2.26 0.00 | 31.59 2.02 0.00 | 30.32 1.72 0.00 | 31.94 1.46 0.00 | 32.36 1.25 0.00 | 25.89 1.04 0.00 |
| NORTHPORT___2 23552 | 15.38 0.97 0.00 | 14.14 0.87 0.00 | 14.18 0.84 0.00 | 14.63 0.80 0.00 | 16.13 0.84 0.00 | 17.25 0.85 0.00 | 23.49 1.19 0.00 | 24.30 1.25 0.00 | 27.86 1.71 0.00 | 27.28 1.64 0.00 | 26.99 1.65 0.00 | 32.09 1.84 0.00 | 30.09 1.67 0.00 | 28.14 1.86 0.00 | 27.50 1.81 0.00 | 30.66 1.81 0.00 | 34.71 2.03 0.00 | 32.11 2.22 0.00 | 34.87 2.26 0.00 | 31.59 2.02 0.00 | 30.32 1.72 0.00 | 31.94 1.46 0.00 | 32.36 1.25 0.00 | 25.89 1.04 0.00 |
| NORTHPORT___3 23553 | 15.39 0.98 0.00 | 14.14 0.88 0.00 | 14.19 0.85 0.00 | 14.65 0.82 0.00 | 16.16 0.88 0.00 | 17.31 0.91 0.00 | 23.61 1.31 0.00 | 24.48 1.44 0.00 | 28.00 1.86 0.00 | 27.47 1.82 0.00 | 27.11 1.77 0.00 | 32.29 2.04 0.00 | 30.33 1.91 0.00 | 28.29 2.01 0.00 | 27.62 1.94 0.00 | 30.85 2.00 0.00 | 34.90 2.22 0.00 | 32.30 2.41 0.00 | 35.15 2.54 0.00 | 31.81 2.23 0.00 | 30.56 1.96 0.00 | 32.17 1.70 0.00 | 32.58 1.46 0.00 | 26.02 1.17 0.00 |
| NORTHPORT___4 23650 | 15.39 0.98 0.00 | 14.14 0.88 0.00 | 14.19 0.85 0.00 | 14.65 0.82 0.00 | 16.16 0.88 0.00 | 17.31 0.91 0.00 | 23.61 1.31 0.00 | 24.48 1.44 0.00 | 28.00 1.86 0.00 | 27.47 1.82 0.00 | 27.11 1.77 0.00 | 32.29 2.04 0.00 | 30.33 1.91 0.00 | 28.29 2.01 0.00 | 27.62 1.94 0.00 | 30.85 2.00 0.00 | 34.90 2.22 0.00 | 32.30 2.41 0.00 | 35.15 2.54 0.00 | 31.81 2.23 0.00 | 30.56 1.96 0.00 | 32.17 1.70 0.00 | 32.58 1.46 0.00 | 26.02 1.17 0.00 |
| NORTHPORT___IC 23718 | 15.38 0.97 0.00 | 14.14 0.87 0.00 | 14.19 0.85 0.00 | 14.63 0.81 0.00 | 16.13 0.84 0.00 | 17.25 0.85 0.00 | 23.49 1.19 0.00 | 24.30 1.25 0.00 | 27.86 1.71 0.00 | 27.28 1.63 0.00 | 26.99 1.65 0.00 | 32.09 1.84 0.00 | 30.09 1.68 0.00 | 28.14 1.86 0.00 | 27.48 1.80 0.00 | 30.66 1.81 0.00 | 34.71 2.02 0.00 | 32.11 2.22 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.33 1.72 0.00 | 31.94 1.46 0.00 | 32.36 1.25 0.00 | 25.89 1.04 0.00 |
| NORTH___COUNTRY_ESR 323785 | -1.77 -0.78 15.40 | -23.75 -0.73 36.29 | -23.35 -0.70 35.98 | -17.55 -0.76 30.62 | 1.72 -0.82 12.75 | 15.73 -0.67 0.00 | 21.55 -0.75 0.00 | 22.23 -0.81 0.00 | 25.47 -0.68 0.00 | 25.40 -0.25 0.00 | 25.28 -0.06 0.00 | 30.23 -0.02 0.00 | 28.49 0.07 0.00 | 26.20 -0.08 0.00 | 25.58 -0.10 0.00 | 28.78 -0.07 0.00 | 32.62 -0.07 0.00 | 29.09 -0.80 0.00 | 31.94 -0.67 0.00 | 29.30 -0.28 0.00 | 28.65 0.04 0.00 | 31.18 0.71 0.00 | 31.85 0.74 0.00 | 25.23 0.38 0.00 |
| NPX_GEN_1385_PROXY 323591 | 15.35 0.94 0.00 | 14.11 0.85 0.00 | 14.25 0.91 0.00 | 14.60 0.78 0.00 | 16.12 0.84 0.00 | 17.21 0.81 0.00 | 23.44 1.14 0.00 | 24.25 1.20 0.00 | 27.80 1.65 0.00 | 27.20 1.55 0.00 | 26.86 1.52 0.00 | 31.93 1.68 0.00 | 29.86 1.45 0.00 | 28.01 1.73 0.00 | 27.36 1.67 0.00 | 30.52 1.67 0.00 | 34.64 1.95 0.00 | 32.04 2.14 0.00 | 34.48 1.86 0.00 | 31.40 1.83 0.00 | 30.22 1.61 0.00 | 31.85 1.37 0.00 | 32.26 1.15 0.00 | 25.80 0.95 0.00 |
| NPX_GEN_CSC 323557 | 15.42 1.00 0.00 | 14.20 0.93 0.00 | 14.23 0.89 0.00 | 14.68 0.86 0.00 | 16.17 0.89 0.00 | 17.34 0.94 0.00 | 23.71 1.41 0.00 | 24.40 1.36 0.00 | 28.19 2.05 0.00 | 27.42 1.78 0.00 | 27.13 1.79 0.00 | 32.37 2.12 0.00 | 30.28 1.87 0.00 | 28.35 2.07 0.00 | 27.66 1.97 0.00 | 30.95 2.10 0.00 | 35.10 2.42 0.00 | 32.48 2.58 0.00 | 35.23 2.62 0.00 | 31.95 2.38 0.00 | 30.56 1.96 0.00 | 32.27 1.79 0.00 | 32.60 1.49 0.00 | 25.94 1.09 0.00 |
| NSINS_S_GLNS_FALLS 23858 | 15.02 0.61 0.00 | 13.82 0.55 0.00 | 13.90 0.56 0.00 | 14.42 0.59 0.00 | 15.94 0.66 0.00 | 17.16 0.76 0.00 | 23.23 0.93 0.00 | 23.96 0.91 0.00 | 27.27 1.12 0.00 | 26.84 1.19 0.00 | 26.31 0.97 0.00 | 31.56 1.31 0.00 | 29.76 1.34 0.00 | 27.61 1.33 0.00 | 26.98 1.30 0.00 | 30.26 1.41 0.00 | 34.47 1.79 0.00 | 31.78 1.88 0.00 | 34.55 1.94 0.00 | 31.20 1.63 0.00 | 30.06 1.46 0.00 | 31.89 1.42 0.00 | 32.24 1.13 0.00 | 25.81 0.96 0.00 |
| NUCOR_STEEL___DRP 24197 | 14.80 0.00 -0.38 | 13.34 0.02 -0.05 | 13.29 -0.05 0.00 | 13.80 -0.03 0.00 | 15.34 0.05 0.00 | 16.39 -0.01 0.00 | 22.16 -0.14 0.00 | 22.92 -0.13 0.00 | 26.03 -0.12 0.00 | 25.57 -0.07 0.00 | 25.26 -0.07 0.00 | 30.14 -0.11 0.00 | 28.38 -0.04 0.00 | 26.30 0.02 0.00 | 25.69 0.01 0.00 | 28.84 -0.01 0.00 | 32.76 0.07 0.00 | 30.00 0.10 0.00 | 32.79 0.17 0.00 | 29.58 0.01 0.00 | 28.65 0.05 0.00 | 30.39 -0.09 0.00 | 30.97 -0.13 0.00 | 24.87 0.02 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 14.47 -0.60 -0.66 | 14.01 -0.53 -1.27 | 13.67 -0.53 -0.86 | 14.53 -0.57 -1.28 | 15.28 -0.56 -0.55 | 15.79 -0.61 0.00 | 21.56 -0.73 0.00 | 22.35 -0.70 0.00 | 25.16 -0.99 0.00 | 24.97 -0.68 0.00 | 25.05 -0.29 0.00 | 30.13 -0.12 0.00 | 28.41 -0.01 0.00 | 26.18 -0.10 0.00 | 25.54 -0.14 0.00 | 28.87 0.02 0.00 | 32.54 -0.14 0.00 | 29.95 0.05 0.00 | 32.55 -0.06 0.00 | 29.60 0.03 0.00 | 28.63 0.03 0.00 | 30.59 0.12 0.00 | 31.53 0.43 0.00 | 25.23 0.38 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 14.41 0.00 0.00 | 13.27 0.00 0.00 | 13.34 0.00 0.00 | 13.82 0.00 0.00 | 15.29 0.00 0.00 | 16.40 0.00 0.00 | 22.30 0.00 0.00 | 23.04 0.00 0.00 | 26.15 0.00 0.00 | 25.65 0.00 0.00 | 25.34 0.00 0.00 | 30.25 0.00 0.00 | 28.42 0.00 0.00 | 26.28 0.00 0.00 | 25.69 0.00 0.00 | 28.85 0.00 0.00 | 32.68 0.00 0.00 | 29.90 0.00 0.00 | 32.62 0.00 0.00 | 29.57 0.00 0.00 | 28.60 0.00 0.00 | 30.47 0.00 0.00 | 31.11 0.00 0.00 | 24.85 0.00 0.00 |
| NYPA_BRENTWD___GT 24164 | 15.52 1.11 0.00 | 14.26 0.99 0.00 | 14.31 0.97 0.00 | 14.77 0.95 0.00 | 16.29 1.00 0.00 | 17.44 1.04 0.00 | 23.78 1.48 0.00 | 24.64 1.60 0.00 | 28.23 2.09 0.00 | 27.67 2.02 0.00 | 27.36 2.02 0.00 | 32.54 2.29 0.00 | 30.53 2.11 0.00 | 28.53 2.25 0.00 | 27.89 2.20 0.00 | 31.12 2.27 0.00 | 35.24 2.56 0.00 | 32.61 2.72 0.00 | 35.46 2.84 0.00 | 32.08 2.50 0.00 | 30.77 2.16 0.00 | 32.38 1.91 0.00 | 32.77 1.66 0.00 | 26.20 1.35 0.00 |
| NYPA_GOWANUS___GT5 24156 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |
| NYPA_GOWANUS___GT6 24157 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.43 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.08 1.83 0.00 | 30.23 1.81 0.00 | 28.09 1.81 0.00 | 27.40 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.98 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.60 2.03 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| NYPA_HARLEM__RVR__GT1 24160 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.67 0.00 | 14.50 0.67 0.00 | 15.99 0.71 0.00 | 17.10 0.70 0.00 | 23.28 0.99 0.00 | 24.26 1.22 0.00 | 27.59 1.45 0.00 | 27.14 1.50 0.00 | 26.71 1.37 0.00 | 31.81 1.56 0.00 | 29.95 1.53 0.00 | 27.83 1.55 0.00 | 27.14 1.46 0.00 | 30.40 1.55 0.00 | 34.33 1.64 0.00 | 31.81 1.91 0.00 | 34.60 1.99 0.00 | 31.31 1.74 0.00 | 30.12 1.51 0.00 | 31.61 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| NYPA_HARLEM__RVR__GT2 24161 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.67 0.00 | 14.50 0.67 0.00 | 15.99 0.71 0.00 | 17.10 0.70 0.00 | 23.28 0.99 0.00 | 24.26 1.22 0.00 | 27.59 1.45 0.00 | 27.14 1.50 0.00 | 26.71 1.37 0.00 | 31.81 1.56 0.00 | 29.95 1.53 0.00 | 27.83 1.55 0.00 | 27.14 1.46 0.00 | 30.40 1.55 0.00 | 34.33 1.64 0.00 | 31.81 1.91 0.00 | 34.60 1.99 0.00 | 31.31 1.74 0.00 | 30.12 1.51 0.00 | 31.61 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| NYPA_KENT____GT 24152 | 15.27 0.86 0.00 | 14.02 0.75 0.00 | 14.08 0.74 0.00 | 14.57 0.75 0.00 | 16.07 0.79 0.00 | 17.20 0.80 0.00 | 23.39 1.09 0.00 | 24.39 1.35 0.00 | 27.76 1.61 0.00 | 27.30 1.66 0.00 | 26.89 1.55 0.00 | 32.02 1.77 0.00 | 30.17 1.75 0.00 | 28.04 1.76 0.00 | 27.35 1.67 0.00 | 30.65 1.79 0.00 | 34.60 1.91 0.00 | 32.04 2.15 0.00 | 34.83 2.21 0.00 | 31.54 1.97 0.00 | 30.29 1.69 0.00 | 31.83 1.35 0.00 | 32.29 1.18 0.00 | 25.85 1.00 0.00 |
| NYPA_POUCH1____GT 24155 | 15.27 0.86 0.00 | 14.00 0.73 0.00 | 14.07 0.74 0.00 | 14.57 0.75 0.00 | 16.08 0.80 0.00 | 17.22 0.82 0.00 | 23.38 1.09 0.00 | 22.40 1.33 1.97 | 20.50 1.58 7.23 | 26.79 1.62 0.47 | 23.57 1.55 3.32 | 32.02 1.78 0.00 | 30.21 1.79 0.00 | 28.09 1.81 0.00 | 27.39 1.70 0.00 | 30.68 1.83 0.00 | 34.33 1.92 0.27 | 32.06 2.16 0.00 | 34.50 2.16 0.28 | 31.59 2.02 0.00 | 30.34 1.74 0.00 | 31.83 1.35 0.00 | 32.30 1.19 0.00 | 25.89 1.04 0.00 |
| NYPA_VERNON____GT2 24162 | 15.26 0.85 0.00 | 14.00 0.73 0.00 | 14.06 0.72 0.00 | 14.55 0.73 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.36 1.06 0.00 | 24.36 1.32 0.00 | 27.72 1.57 0.00 | 27.26 1.62 0.00 | 26.84 1.50 0.00 | 31.97 1.72 0.00 | 30.11 1.69 0.00 | 27.98 1.70 0.00 | 27.30 1.61 0.00 | 30.59 1.74 0.00 | 34.54 1.86 0.00 | 31.98 2.08 0.00 | 34.77 2.16 0.00 | 31.47 1.90 0.00 | 30.23 1.63 0.00 | 31.76 1.29 0.00 | 32.22 1.11 0.00 | 25.79 0.94 0.00 |
| NYPA_VERNON____GT3 24163 | 15.26 0.85 0.00 | 14.00 0.73 0.00 | 14.06 0.72 0.00 | 14.55 0.73 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.36 1.06 0.00 | 24.36 1.32 0.00 | 27.72 1.57 0.00 | 27.26 1.62 0.00 | 26.84 1.50 0.00 | 31.97 1.72 0.00 | 30.11 1.69 0.00 | 27.98 1.70 0.00 | 27.30 1.61 0.00 | 30.59 1.74 0.00 | 34.54 1.86 0.00 | 31.98 2.08 0.00 | 34.77 2.16 0.00 | 31.47 1.90 0.00 | 30.23 1.63 0.00 | 31.76 1.29 0.00 | 32.22 1.11 0.00 | 25.79 0.94 0.00 |
| NYPA__ASTORIA_CC1 323568 | 15.24 0.83 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.74 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.64 0.00 | 27.24 1.55 0.00 | 30.51 1.66 0.00 | 34.47 1.79 0.00 | 31.92 2.02 0.00 | 34.71 2.10 0.00 | 31.41 1.84 0.00 | 30.18 1.57 0.00 | 31.70 1.23 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| NYPA__ASTORIA_CC2 323569 | 15.24 0.83 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.03 0.74 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.64 0.00 | 27.24 1.55 0.00 | 30.51 1.66 0.00 | 34.47 1.79 0.00 | 31.92 2.02 0.00 | 34.71 2.10 0.00 | 31.41 1.84 0.00 | 30.18 1.57 0.00 | 31.70 1.23 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| NYPA__HOLTSVILL 23794 | 15.42 1.01 0.00 | 14.19 0.92 0.00 | 14.22 0.88 0.00 | 14.67 0.86 0.00 | 16.17 0.89 0.00 | 17.33 0.92 0.00 | 23.66 1.36 0.00 | 24.43 1.39 0.00 | 28.12 1.97 0.00 | 27.46 1.81 0.00 | 27.13 1.80 0.00 | 32.33 2.08 0.00 | 30.29 1.88 0.00 | 28.33 2.05 0.00 | 27.66 1.97 0.00 | 30.91 2.06 0.00 | 35.02 2.34 0.00 | 32.42 2.52 0.00 | 35.21 2.60 0.00 | 31.89 2.32 0.00 | 30.56 1.95 0.00 | 32.21 1.73 0.00 | 32.58 1.47 0.00 | 25.98 1.13 0.00 |
| NYPA__HELLGATE_GT1 24158 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.67 0.00 | 14.50 0.67 0.00 | 15.99 0.71 0.00 | 17.10 0.70 0.00 | 23.28 0.99 0.00 | 24.26 1.22 0.00 | 27.57 1.43 0.00 | 27.14 1.50 0.00 | 26.71 1.37 0.00 | 31.81 1.56 0.00 | 29.95 1.53 0.00 | 27.83 1.55 0.00 | 27.14 1.46 0.00 | 30.40 1.55 0.00 | 34.31 1.62 0.00 | 31.78 1.89 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.12 1.51 0.00 | 31.61 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| NYPA__HELLGATE_GT2 24159 | 15.21 0.80 0.00 | 13.94 0.67 0.00 | 14.00 0.67 0.00 | 14.50 0.67 0.00 | 15.99 0.71 0.00 | 17.10 0.70 0.00 | 23.28 0.99 0.00 | 24.26 1.22 0.00 | 27.57 1.43 0.00 | 27.14 1.50 0.00 | 26.71 1.37 0.00 | 31.81 1.56 0.00 | 29.95 1.53 0.00 | 27.83 1.55 0.00 | 27.14 1.46 0.00 | 30.40 1.55 0.00 | 34.31 1.62 0.00 | 31.78 1.89 0.00 | 34.58 1.97 0.00 | 31.31 1.74 0.00 | 30.12 1.51 0.00 | 31.61 1.13 0.00 | 32.08 0.97 0.00 | 25.69 0.84 0.00 |
| NYS_BARGE__HYD 23848 | 11.88 -1.25 1.28 | 11.04 -1.13 1.10 | 11.36 -1.21 0.77 | 11.80 -1.08 0.94 | 12.98 -1.01 1.29 | 14.42 -1.14 0.84 | 18.77 -1.75 1.79 | 18.56 -2.07 2.41 | 18.15 -2.41 5.59 | 19.30 -2.25 4.09 | 19.15 -2.33 3.86 | 25.92 -2.78 1.55 | 24.67 -2.41 1.33 | 22.64 -2.21 1.43 | 20.59 -1.99 3.10 | 22.77 -2.19 3.90 | 28.26 -2.38 2.04 | 25.41 -2.65 1.83 | 27.65 -2.76 2.21 | 25.00 -2.71 1.86 | 23.70 -2.23 2.67 | 24.74 -2.45 3.29 | 19.06 -2.20 9.86 | 11.71 -1.11 12.03 |
| OAK ORCHARD__HYD 24046 | 12.82 -0.70 0.89 | 12.01 -0.63 0.62 | 12.24 -0.69 0.41 | 12.71 -0.60 0.50 | 14.03 -0.56 0.69 | 15.32 -0.63 0.45 | 20.34 -1.00 0.96 | 20.62 -1.13 1.29 | 21.82 -1.35 2.98 | 22.18 -1.28 2.18 | 21.94 -1.34 2.06 | 27.84 -1.58 0.82 | 26.35 -1.35 0.71 | 24.29 -1.23 0.76 | 22.94 -1.09 1.66 | 25.61 -1.16 2.08 | 30.35 -1.25 1.09 | 27.52 -1.40 0.98 | 30.05 -1.38 1.18 | 27.16 -1.42 0.99 | 25.99 -1.19 1.42 | 27.36 -1.36 1.75 | 24.52 -1.34 5.25 | 17.68 -0.76 6.41 |
| OAKDALE__35_KV_LOAD 356122 | 14.39 -0.02 0.00 | 13.27 0.00 0.00 | 13.34 0.00 0.00 | 13.86 0.04 0.00 | 15.38 0.09 0.00 | 16.43 0.03 0.00 | 22.27 -0.03 0.00 | 23.04 0.00 0.00 | 26.09 -0.05 0.00 | 25.65 0.00 0.00 | 25.40 0.06 0.00 | 30.38 0.13 0.00 | 28.64 0.22 0.00 | 26.48 0.20 0.00 | 25.91 0.23 0.00 | 29.08 0.23 0.00 | 33.09 0.41 0.00 | 30.33 0.44 0.00 | 33.20 0.58 0.00 | 29.92 0.35 0.00 | 28.90 0.29 0.00 | 30.69 0.22 0.00 | 31.26 0.15 0.00 | 25.04 0.19 0.00 |
| OCC_CHEM__DRP 24175 | 12.11 -1.44 0.86 | 11.85 -1.30 0.12 | 11.95 -1.39 0.00 | 12.56 -1.26 0.00 | 14.09 -1.19 0.00 | 15.05 -1.35 0.00 | 20.27 -2.03 0.00 | 20.66 -2.38 0.00 | 23.39 -2.76 0.00 | 23.06 -2.58 0.00 | 22.68 -2.66 0.00 | 26.99 -3.26 0.00 | 25.54 -2.88 0.00 | 23.66 -2.62 0.00 | 23.34 -2.34 0.00 | 26.25 -2.60 0.00 | 29.72 -2.96 0.00 | 26.61 -3.29 0.00 | 29.19 -3.43 0.00 | 26.23 -3.35 0.00 | 25.89 -2.71 0.00 | 27.53 -2.94 0.00 | 28.42 -2.69 0.00 | 23.34 -1.51 0.00 |

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| OH_GEN_PROXY 24063 | 11.76 -1.30 1.36 | 10.86 -1.17 1.24 | 11.22 -1.24 0.87 | 11.63 -1.12 1.07 | 12.75 -1.06 1.47 | 14.24 -1.21 0.95 | 18.39 -1.88 2.03 | 18.14 -2.16 2.74 | 17.26 -2.52 6.37 | 18.63 -2.35 4.66 | 18.56 -2.38 4.40 | 25.67 -2.82 1.77 | 24.46 -2.44 1.51 | 22.40 -2.25 1.63 | 20.11 -2.04 3.54 | 22.13 -2.28 4.44 | 27.84 -2.52 2.32 | 24.99 -2.81 2.09 | 27.16 -2.94 2.52 | 24.59 -2.87 2.12 | 23.17 -2.39 3.04 | 24.14 -2.59 3.75 | 17.46 -2.42 11.24 | 9.76 -1.37 13.72 |
| OLIN_CORP_DRP 24177 | 12.10 -1.44 0.87 | 11.85 -1.30 0.12 | 11.94 -1.40 0.00 | 12.55 -1.27 0.00 | 14.06 -1.23 0.00 | 15.03 -1.37 0.00 | 20.21 -2.09 0.00 | 20.59 -2.46 0.00 | 23.31 -2.84 0.00 | 22.99 -2.66 0.00 | 22.62 -2.71 0.00 | 27.02 -3.24 0.00 | 25.56 -2.85 0.00 | 23.67 -2.61 0.00 | 23.32 -2.37 0.00 | 26.17 -2.68 0.00 | 29.79 -2.89 0.00 | 26.71 -3.19 0.00 | 29.25 -3.36 0.00 | 26.33 -3.24 0.00 | 25.86 -2.74 0.00 | 27.51 -2.96 0.00 | 28.40 -2.71 0.00 | 23.36 -1.49 0.00 |
| OLIN_CORP_DSASP 323712 | 11.62 -1.44 1.35 | 10.77 -1.30 1.21 | 11.12 -1.38 0.84 | 11.53 -1.26 1.03 | 12.67 -1.19 1.42 | 14.13 -1.35 0.92 | 18.30 -2.03 1.97 | 18.02 -2.38 2.65 | 17.26 -2.74 6.15 | 18.57 -2.57 4.50 | 18.45 -2.64 4.25 | 25.29 -3.26 1.71 | 24.09 -2.87 1.46 | 22.09 -2.61 1.58 | 19.90 -2.37 3.42 | 21.98 -2.58 4.29 | 27.45 -2.99 2.25 | 24.61 -3.26 2.02 | 26.77 -3.41 2.43 | 24.21 -3.32 2.04 | 22.98 -2.68 2.94 | 23.91 -2.94 3.62 | 17.61 -2.65 10.85 | 10.13 -1.47 13.25 |
| ONEIDA_HERK_LFGE 323681 | 14.67 -0.04 -0.30 | 13.87 -0.03 -0.62 | 13.80 -0.03 -0.48 | 14.38 -0.04 -0.59 | 15.54 0.00 -0.25 | 16.40 0.00 0.00 | 22.35 0.05 0.00 | 23.15 0.10 0.00 | 26.18 0.04 0.00 | 25.77 0.13 0.00 | 25.61 0.27 0.00 | 30.71 0.46 0.00 | 28.87 0.45 0.00 | 26.66 0.38 0.00 | 26.08 0.39 0.00 | 29.38 0.53 0.00 | 33.28 0.60 0.00 | 30.53 0.64 0.00 | 33.27 0.65 0.00 | 30.17 0.60 0.00 | 29.14 0.54 0.00 | 31.02 0.55 0.00 | 31.73 0.62 0.00 | 25.37 0.52 0.00 |
| ONEIDA___115KV_TB4 55905 | 14.66 0.24 0.00 | 13.50 0.23 0.00 | 13.57 0.23 0.00 | 14.07 0.25 0.00 | 15.59 0.30 0.00 | 16.72 0.32 0.00 | 22.78 0.48 0.00 | 23.59 0.54 0.00 | 26.73 0.59 0.00 | 26.20 0.55 0.00 | 25.95 0.61 0.00 | 31.08 0.83 0.00 | 29.14 0.73 0.00 | 26.96 0.68 0.00 | 26.43 0.75 0.00 | 29.75 0.89 0.00 | 33.75 1.07 0.00 | 30.90 1.00 0.00 | 33.73 1.12 0.00 | 30.52 0.95 0.00 | 29.48 0.87 0.00 | 31.31 0.84 0.00 | 31.93 0.82 0.00 | 25.51 0.66 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 14.64 -0.05 -0.28 | 13.27 -0.04 -0.04 | 13.28 -0.05 0.00 | 13.79 -0.03 0.00 | 15.26 -0.03 0.00 | 16.33 -0.08 0.00 | 22.08 -0.21 0.00 | 22.81 -0.24 0.00 | 25.83 -0.32 0.00 | 25.36 -0.29 0.00 | 25.06 -0.28 0.00 | 29.94 -0.31 0.00 | 28.17 -0.25 0.00 | 26.08 -0.20 0.00 | 25.54 -0.14 0.00 | 28.69 -0.16 0.00 | 32.47 -0.21 0.00 | 29.72 -0.18 0.00 | 32.50 -0.11 0.00 | 29.34 -0.23 0.00 | 28.38 -0.23 0.00 | 30.16 -0.32 0.00 | 30.78 -0.33 0.00 | 24.67 -0.18 0.00 |
| ONONDAGA___COGEN 23986 | 14.36 -0.05 0.00 | 13.24 -0.03 0.00 | 13.29 -0.05 0.00 | 13.79 -0.03 0.00 | 15.26 -0.03 0.00 | 16.33 -0.07 0.00 | 22.09 -0.21 0.00 | 22.83 -0.21 0.00 | 25.88 -0.26 0.00 | 25.42 -0.22 0.00 | 25.11 -0.23 0.00 | 30.00 -0.25 0.00 | 28.22 -0.19 0.00 | 26.12 -0.16 0.00 | 25.55 -0.14 0.00 | 28.68 -0.17 0.00 | 32.49 -0.19 0.00 | 29.74 -0.15 0.00 | 32.52 -0.10 0.00 | 29.35 -0.22 0.00 | 28.40 -0.20 0.00 | 30.18 -0.30 0.00 | 30.78 -0.33 0.00 | 24.68 -0.17 0.00 |
| ONTARIO___LFGE 23819 | 12.45 -0.36 1.61 | 12.74 -0.31 0.22 | 13.00 -0.34 0.00 | 13.55 -0.27 0.00 | 15.11 -0.18 0.00 | 16.17 -0.24 0.00 | 21.96 -0.34 0.00 | 22.82 -0.23 0.00 | 25.70 -0.44 0.00 | 25.28 -0.36 0.00 | 25.05 -0.29 0.00 | 29.91 -0.34 0.00 | 28.28 -0.14 0.00 | 26.06 -0.22 0.00 | 25.47 -0.21 0.00 | 28.55 -0.30 0.00 | 32.33 -0.35 0.00 | 29.59 -0.30 0.00 | 32.50 -0.12 0.00 | 29.23 -0.35 0.00 | 28.33 -0.28 0.00 | 30.11 -0.37 0.00 | 30.59 -0.51 0.00 | 24.66 -0.19 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 11.57 -1.38 1.46 | 10.72 -1.24 1.31 | 11.12 -1.30 0.91 | 11.54 -1.16 1.12 | 12.63 -1.12 1.54 | 14.12 -1.28 1.00 | 18.26 -1.90 2.13 | 18.07 -2.11 2.87 | 17.09 -2.39 6.67 | 18.63 -2.13 4.88 | 18.64 -2.09 4.61 | 26.00 -2.41 1.85 | 24.87 -1.96 1.59 | 22.79 -1.78 1.71 | 20.43 -1.55 3.70 | 22.49 -1.71 4.65 | 28.40 -1.85 2.43 | 25.52 -2.19 2.19 | 27.69 -2.29 2.64 | 24.88 -2.47 2.22 | 23.49 -1.92 3.19 | 24.51 -2.04 3.92 | 17.54 -1.81 11.76 | 9.58 -0.91 14.36 |
| ORANGEVILLE___ESR 323794 | 11.57 -1.38 1.46 | 10.72 -1.24 1.31 | 11.12 -1.30 0.91 | 11.54 -1.16 1.12 | 12.63 -1.12 1.54 | 14.12 -1.28 1.00 | 18.26 -1.90 2.13 | 18.07 -2.11 2.87 | 17.09 -2.39 6.67 | 18.63 -2.13 4.88 | 18.64 -2.09 4.61 | 26.00 -2.41 1.85 | 24.87 -1.96 1.59 | 22.79 -1.78 1.71 | 20.43 -1.55 3.70 | 22.49 -1.71 4.65 | 28.40 -1.85 2.43 | 25.52 -2.19 2.19 | 27.69 -2.29 2.64 | 24.88 -2.47 2.22 | 23.49 -1.92 3.19 | 24.51 -2.04 3.92 | 17.54 -1.81 11.76 | 9.58 -0.91 14.36 |
| OSWEGATCHIE___HYD 24044 | 15.38 -0.54 -1.51 | 15.59 -0.52 -2.84 | 14.64 -0.50 -1.80 | 16.20 -0.54 -2.92 | 15.99 -0.55 -1.25 | 15.88 -0.52 0.00 | 21.73 -0.57 0.00 | 22.46 -0.59 0.00 | 25.33 -0.82 0.00 | 25.04 -0.60 0.00 | 24.99 -0.35 0.00 | 29.95 -0.30 0.00 | 28.17 -0.25 0.00 | 25.93 -0.35 0.00 | 25.30 -0.38 0.00 | 28.50 -0.35 0.00 | 32.07 -0.61 0.00 | 29.33 -0.56 0.00 | 31.93 -0.69 0.00 | 29.23 -0.34 0.00 | 28.40 -0.20 0.00 | 30.44 -0.04 0.00 | 31.28 0.17 0.00 | 24.93 0.08 0.00 |
| OSWEGO___5 23606 | 14.16 -0.25 0.00 | 13.05 -0.22 0.00 | 13.10 -0.24 0.00 | 13.60 -0.23 0.00 | 15.04 -0.25 0.00 | 16.09 -0.31 0.00 | 21.76 -0.54 0.00 | 22.48 -0.56 0.00 | 25.49 -0.66 0.00 | 25.01 -0.63 0.00 | 24.70 -0.64 0.00 | 29.50 -0.75 0.00 | 27.76 -0.65 0.00 | 25.68 -0.60 0.00 | 25.12 -0.57 0.00 | 28.21 -0.64 0.00 | 31.97 -0.72 0.00 | 29.24 -0.65 0.00 | 31.93 -0.68 0.00 | 28.87 -0.70 0.00 | 27.94 -0.66 0.00 | 29.72 -0.75 0.00 | 30.34 -0.77 0.00 | 24.33 -0.52 0.00 |
| OSWEGO___6 23613 | 14.16 -0.25 0.00 | 13.05 -0.22 0.00 | 13.10 -0.24 0.00 | 13.60 -0.23 0.00 | 15.04 -0.25 0.00 | 16.09 -0.31 0.00 | 21.76 -0.54 0.00 | 22.48 -0.56 0.00 | 25.49 -0.66 0.00 | 25.01 -0.63 0.00 | 24.70 -0.64 0.00 | 29.50 -0.75 0.00 | 27.76 -0.65 0.00 | 25.68 -0.60 0.00 | 25.12 -0.57 0.00 | 28.21 -0.64 0.00 | 31.97 -0.72 0.00 | 29.24 -0.65 0.00 | 31.93 -0.68 0.00 | 28.87 -0.70 0.00 | 27.94 -0.66 0.00 | 29.72 -0.75 0.00 | 30.34 -0.77 0.00 | 24.33 -0.52 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 12.39 -1.13 0.89 | 12.13 -1.02 0.12 | 12.23 -1.11 0.00 | 12.85 -0.97 0.00 | 14.40 -0.89 0.00 | 15.39 -1.01 0.00 | 20.74 -1.55 0.00 | 21.19 -1.85 0.00 | 23.99 -2.15 0.00 | 23.68 -1.96 0.00 | 23.31 -2.03 0.00 | 27.81 -2.44 0.00 | 26.34 -2.08 0.00 | 24.38 -1.90 0.00 | 24.04 -1.65 0.00 | 27.01 -1.84 0.00 | 30.67 -2.01 0.00 | 27.52 -2.37 0.00 | 30.18 -2.44 0.00 | 27.10 -2.47 0.00 | 26.66 -1.94 0.00 | 28.36 -2.12 0.00 | 29.20 -1.91 0.00 | 23.93 -0.92 0.00 |
| OXBOW___BTM 323836 | 11.76 -1.29 1.37 | 10.90 -1.15 1.22 | 11.25 -1.24 0.85 | 11.67 -1.11 1.04 | 12.82 -1.03 1.43 | 14.30 -1.17 0.93 | 18.54 -1.78 1.98 | 18.28 -2.10 2.67 | 17.54 -2.41 6.20 | 18.87 -2.24 4.54 | 18.75 -2.31 4.28 | 25.70 -2.83 1.72 | 24.49 -2.45 1.48 | 22.46 -2.24 1.59 | 20.24 -2.00 3.44 | 22.34 -2.19 4.32 | 27.93 -2.49 2.26 | 25.08 -2.79 2.04 | 27.28 -2.88 2.45 | 24.66 -2.85 2.06 | 23.37 -2.28 2.96 | 24.32 -2.51 3.65 | 17.93 -2.24 10.93 | 10.34 -1.17 13.35 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| OXBOW____ 24026 | 12.25 -1.29 0.87 | 11.99 -1.16 0.12 | 12.10 -1.24 0.00 | 12.71 -1.12 0.00 | 14.25 -1.04 0.00 | 15.22 -1.18 0.00 | 20.51 -1.79 0.00 | 20.95 -2.10 0.00 | 23.71 -2.44 0.00 | 23.39 -2.26 0.00 | 23.01 -2.32 0.00 | 27.42 -2.83 0.00 | 25.96 -2.46 0.00 | 24.04 -2.24 0.00 | 23.70 -1.98 0.00 | 26.65 -2.20 0.00 | 30.21 -2.47 0.00 | 27.09 -2.81 0.00 | 29.70 -2.91 0.00 | 26.68 -2.89 0.00 | 26.29 -2.31 0.00 | 27.96 -2.52 0.00 | 28.83 -2.28 0.00 | 23.64 -1.20 0.00 |
| OXY_CHEM_DSASP 323612 | 12.11 -1.44 0.86 | 11.85 -1.30 0.12 | 11.95 -1.39 0.00 | 12.56 -1.26 0.00 | 14.09 -1.19 0.00 | 15.05 -1.35 0.00 | 20.27 -2.03 0.00 | 20.66 -2.38 0.00 | 23.39 -2.76 0.00 | 23.06 -2.58 0.00 | 22.68 -2.66 0.00 | 26.99 -3.26 0.00 | 25.54 -2.88 0.00 | 23.66 -2.62 0.00 | 23.34 -2.34 0.00 | 26.25 -2.60 0.00 | 29.72 -2.96 0.00 | 26.61 -3.29 0.00 | 29.19 -3.43 0.00 | 26.23 -3.35 0.00 | 25.89 -2.71 0.00 | 27.53 -2.94 0.00 | 28.42 -2.69 0.00 | 23.34 -1.51 0.00 |
| OZONE_PARK_ESR 323760 | 15.35 0.93 0.00 | 14.08 0.81 0.00 | 14.14 0.80 0.00 | 14.63 0.81 0.00 | 16.15 0.86 0.00 | 17.29 0.88 0.00 | 23.52 1.22 0.00 | 24.52 1.48 0.00 | 27.90 1.75 0.00 | 27.44 1.80 0.00 | 27.00 1.66 0.00 | 32.18 1.93 0.00 | 30.29 1.87 0.00 | 28.16 1.88 0.00 | 27.47 1.79 0.00 | 30.78 1.93 0.00 | 34.78 2.10 0.00 | 32.21 2.31 0.00 | 35.03 2.42 0.00 | 31.71 2.13 0.00 | 30.46 1.86 0.00 | 32.01 1.54 0.00 | 32.46 1.35 0.00 | 25.97 1.12 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 12.11 -1.44 0.86 | 11.85 -1.30 0.12 | 11.95 -1.39 0.00 | 12.56 -1.26 0.00 | 14.09 -1.19 0.00 | 15.05 -1.35 0.00 | 20.27 -2.03 0.00 | 20.66 -2.38 0.00 | 23.39 -2.76 0.00 | 23.06 -2.58 0.00 | 22.68 -2.66 0.00 | 26.99 -3.26 0.00 | 25.54 -2.88 0.00 | 23.66 -2.62 0.00 | 23.34 -2.34 0.00 | 26.25 -2.60 0.00 | 29.72 -2.96 0.00 | 26.61 -3.29 0.00 | 29.19 -3.43 0.00 | 26.23 -3.35 0.00 | 25.89 -2.71 0.00 | 27.53 -2.94 0.00 | 28.42 -2.69 0.00 | 23.34 -1.51 0.00 |
| PACKARD__115KV_DUPONT_184 80571 | 12.11 -1.44 0.86 | 11.85 -1.30 0.12 | 11.95 -1.39 0.00 | 12.56 -1.26 0.00 | 14.09 -1.19 0.00 | 15.05 -1.35 0.00 | 20.27 -2.03 0.00 | 20.66 -2.38 0.00 | 23.39 -2.76 0.00 | 23.06 -2.58 0.00 | 22.68 -2.66 0.00 | 26.99 -3.26 0.00 | 25.54 -2.88 0.00 | 23.66 -2.62 0.00 | 23.34 -2.34 0.00 | 26.25 -2.60 0.00 | 29.72 -2.96 0.00 | 26.61 -3.29 0.00 | 29.19 -3.43 0.00 | 26.23 -3.35 0.00 | 25.89 -2.71 0.00 | 27.53 -2.94 0.00 | 28.42 -2.69 0.00 | 23.34 -1.51 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 15.22 0.80 0.00 | 13.95 0.68 0.00 | 14.01 0.67 0.00 | 14.50 0.68 0.00 | 16.00 0.72 0.00 | 17.12 0.72 0.00 | 23.30 1.00 0.00 | 24.28 1.24 0.00 | 27.62 1.47 0.00 | 27.16 1.51 0.00 | 26.73 1.39 0.00 | 31.82 1.57 0.00 | 29.96 1.54 0.00 | 27.85 1.57 0.00 | 27.16 1.47 0.00 | 30.43 1.58 0.00 | 34.35 1.67 0.00 | 31.84 1.94 0.00 | 34.62 2.00 0.00 | 31.34 1.77 0.00 | 30.12 1.51 0.00 | 31.63 1.16 0.00 | 32.11 1.00 0.00 | 25.71 0.86 0.00 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 15.26 0.85 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.55 0.73 0.00 | 16.06 0.78 0.00 | 17.20 0.80 0.00 | 23.44 1.14 0.00 | 24.42 1.38 0.00 | 27.73 1.59 0.00 | 27.28 1.63 0.00 | 26.82 1.48 0.00 | 31.89 1.64 0.00 | 30.03 1.62 0.00 | 27.91 1.62 0.00 | 27.18 1.50 0.00 | 30.44 1.59 0.00 | 34.36 1.68 0.00 | 31.84 1.95 0.00 | 34.65 2.04 0.00 | 31.36 1.79 0.00 | 30.12 1.52 0.00 | 31.69 1.21 0.00 | 32.19 1.08 0.00 | 25.80 0.95 0.00 |
| PATROON__115KV_TB1 80586 | 15.03 0.62 0.00 | 13.89 0.62 0.00 | 13.95 0.62 0.00 | 14.46 0.64 0.00 | 15.97 0.69 0.00 | 17.14 0.73 0.00 | 23.13 0.83 0.00 | 23.93 0.89 0.00 | 27.22 1.08 0.00 | 26.77 1.13 0.00 | 26.28 0.94 0.00 | 31.34 1.09 0.00 | 29.51 1.10 0.00 | 27.30 1.02 0.00 | 26.68 0.99 0.00 | 29.97 1.12 0.00 | 33.97 1.28 0.00 | 31.18 1.29 0.00 | 33.92 1.30 0.00 | 30.67 1.10 0.00 | 29.56 0.96 0.00 | 31.33 0.86 0.00 | 31.81 0.71 0.00 | 25.50 0.65 0.00 |
| PATTRSNVILLE__SOLAR 323815 | 14.88 0.47 0.00 | 13.69 0.42 0.00 | 13.78 0.44 0.00 | 14.28 0.46 0.00 | 15.80 0.51 0.00 | 16.94 0.54 0.00 | 23.00 0.71 0.00 | 23.82 0.77 0.00 | 27.03 0.89 0.00 | 26.54 0.89 0.00 | 26.14 0.80 0.00 | 31.20 0.95 0.00 | 29.36 0.94 0.00 | 27.18 0.89 0.00 | 26.56 0.88 0.00 | 29.83 0.97 0.00 | 33.85 1.17 0.00 | 31.06 1.17 0.00 | 33.86 1.25 0.00 | 30.65 1.08 0.00 | 29.57 0.97 0.00 | 31.36 0.89 0.00 | 31.93 0.82 0.00 | 25.54 0.69 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 12.73 -0.67 1.01 | 12.54 -0.59 0.14 | 12.68 -0.66 0.00 | 13.32 -0.51 0.00 | 14.90 -0.39 0.00 | 15.90 -0.50 0.00 | 21.41 -0.89 0.00 | 21.97 -1.08 0.00 | 24.85 -1.29 0.00 | 24.51 -1.13 0.00 | 24.21 -1.13 0.00 | 29.00 -1.25 0.00 | 27.50 -0.92 0.00 | 25.46 -0.82 0.00 | 25.08 -0.60 0.00 | 28.16 -0.69 0.00 | 31.95 -0.73 0.00 | 28.73 -1.17 0.00 | 31.43 -1.19 0.00 | 28.23 -1.34 0.00 | 27.67 -0.94 0.00 | 29.45 -1.02 0.00 | 30.32 -0.79 0.00 | 24.78 -0.07 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 15.28 0.87 0.00 | 14.05 0.78 0.00 | 14.12 0.78 0.00 | 14.63 0.81 0.00 | 16.15 0.87 0.00 | 17.32 0.92 0.00 | 23.53 1.23 0.00 | 24.46 1.41 0.00 | 27.78 1.64 0.00 | 27.28 1.64 0.00 | 26.81 1.47 0.00 | 31.91 1.66 0.00 | 30.01 1.59 0.00 | 27.83 1.55 0.00 | 27.17 1.49 0.00 | 30.47 1.62 0.00 | 34.51 1.83 0.00 | 32.00 2.10 0.00 | 34.94 2.32 0.00 | 31.57 1.99 0.00 | 30.34 1.74 0.00 | 31.95 1.47 0.00 | 32.40 1.29 0.00 | 25.93 1.07 0.00 |
| PEEKSKILL____ 23653 | 15.17 0.76 0.00 | 13.94 0.67 0.00 | 14.00 0.66 0.00 | 14.50 0.67 0.00 | 16.00 0.72 0.00 | 17.14 0.74 0.00 | 23.29 0.99 0.00 | 24.22 1.18 0.00 | 27.53 1.38 0.00 | 27.04 1.40 0.00 | 26.60 1.26 0.00 | 31.71 1.46 0.00 | 29.85 1.43 0.00 | 27.71 1.43 0.00 | 27.04 1.35 0.00 | 30.29 1.44 0.00 | 34.29 1.60 0.00 | 31.73 1.84 0.00 | 34.56 1.95 0.00 | 31.24 1.67 0.00 | 30.02 1.41 0.00 | 31.61 1.13 0.00 | 32.09 0.98 0.00 | 25.70 0.85 0.00 |
| PGE MADISON__WINDPWR 24146 | 16.84 0.53 -1.90 | 14.47 0.64 -0.56 | 14.16 0.57 -0.25 | 14.80 0.68 -0.31 | 16.60 0.89 -0.42 | 17.50 0.82 -0.27 | 24.19 1.31 -0.58 | 25.24 1.45 -0.75 | 29.06 1.26 -1.65 | 28.10 1.24 -1.21 | 27.78 1.30 -1.14 | 32.57 1.86 -0.46 | 30.56 1.75 -0.39 | 28.26 1.56 -0.42 | 28.31 1.71 -0.92 | 32.19 2.19 -1.15 | 35.95 2.64 -0.62 | 32.87 2.40 -0.57 | 36.23 2.92 -0.69 | 32.57 2.42 -0.58 | 31.43 2.00 -0.83 | 33.41 1.91 -1.02 | 35.95 1.77 -3.06 | 29.95 1.36 -3.74 |
| PIERCEFIELD__HYD 23852 | 16.26 -0.38 -2.22 | 17.03 -0.40 -4.16 | 15.58 -0.36 -2.60 | 17.73 -0.38 -4.29 | 16.71 -0.42 -1.84 | 16.09 -0.31 0.00 | 22.08 -0.22 0.00 | 22.79 -0.26 0.00 | 25.76 -0.39 0.00 | 25.43 -0.21 0.00 | 25.26 -0.08 0.00 | 30.20 -0.05 0.00 | 28.35 -0.06 0.00 | 26.10 -0.18 0.00 | 25.46 -0.23 0.00 | 28.59 -0.27 0.00 | 32.08 -0.61 0.00 | 29.10 -0.80 0.00 | 31.80 -0.81 0.00 | 29.31 -0.26 0.00 | 28.60 0.00 0.00 | 30.78 0.31 0.00 | 31.52 0.42 0.00 | 25.04 0.19 0.00 |
| PINELAWN_CC_1 323563 | 15.45 1.03 0.00 | 14.19 0.92 0.00 | 14.23 0.89 0.00 | 14.69 0.87 0.00 | 16.20 0.92 0.00 | 17.36 0.96 0.00 | 23.69 1.39 0.00 | 24.57 1.52 0.00 | 28.12 1.98 0.00 | 27.57 1.93 0.00 | 27.23 1.89 0.00 | 32.42 2.17 0.00 | 30.43 2.01 0.00 | 28.41 2.13 0.00 | 27.76 2.07 0.00 | 31.00 2.15 0.00 | 35.08 2.39 0.00 | 32.47 2.57 0.00 | 35.32 2.70 0.00 | 31.95 2.38 0.00 | 30.68 2.08 0.00 | 32.29 1.82 0.00 | 32.69 1.58 0.00 | 26.10 1.25 0.00 |

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| PJM_GEN_HTP_PROXY 323702 | 15.22 0.80 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.03 0.74 0.00 | 17.15 0.74 0.00 | 23.30 1.01 0.00 | 24.29 1.25 0.00 | 27.62 1.47 0.00 | 27.16 1.52 0.00 | 26.72 1.39 0.00 | 31.85 1.60 0.00 | 29.98 1.57 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.46 1.61 0.00 | 34.43 1.75 0.00 | 31.88 1.98 0.00 | 34.67 2.05 0.00 | 31.36 1.78 0.00 | 30.13 1.53 0.00 | 31.66 1.19 0.00 | 32.13 1.02 0.00 | 25.72 0.87 0.00 |
| PJM_GEN_KEystone 24065 | 9.92 -0.02 4.47 | 12.13 -0.04 1.10 | 12.50 -0.05 0.79 | 12.86 0.02 0.98 | 14.02 0.08 1.34 | 15.53 0.00 0.87 | 20.34 -0.11 1.85 | 27.15 -0.06 -4.16 | 14.99 -0.12 11.04 | 21.31 -0.04 4.30 | 21.04 -0.07 4.23 | 28.62 -0.01 1.62 | 27.17 0.14 1.39 | 24.98 0.19 1.49 | 22.65 0.20 3.24 | 24.95 0.16 4.07 | 30.68 0.12 2.13 | 28.17 0.18 1.91 | 30.54 0.23 2.31 | 27.66 0.02 1.94 | 25.82 0.00 2.78 | 26.85 -0.20 3.43 | 20.64 -0.20 10.28 | 12.38 0.08 12.55 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 15.29 0.88 0.00 | 14.05 0.79 0.00 | 14.10 0.76 0.00 | 14.56 0.74 0.00 | 16.07 0.78 0.00 | 17.21 0.81 0.00 | 23.44 1.15 0.00 | 24.33 1.28 0.00 | 27.79 1.65 0.00 | 27.27 1.63 0.00 | 26.91 1.57 0.00 | 32.04 1.79 0.00 | 30.10 1.68 0.00 | 28.07 1.79 0.00 | 27.39 1.71 0.00 | 30.61 1.76 0.00 | 34.62 1.94 0.00 | 32.03 2.13 0.00 | 34.85 2.24 0.00 | 31.54 1.96 0.00 | 30.31 1.71 0.00 | 31.91 1.44 0.00 | 32.33 1.22 0.00 | 25.85 1.00 0.00 |
| PJM_GEN_VFT_PROXY 323633 | 15.15 0.73 0.00 | 13.89 0.63 0.00 | 13.95 0.62 0.00 | 14.44 0.62 0.00 | 15.94 0.65 0.00 | 17.05 0.65 0.00 | 23.14 0.85 0.01 | 22.16 1.09 1.97 | 20.23 1.31 7.23 | 26.53 1.35 0.46 | 23.24 1.22 3.31 | 31.65 1.40 0.00 | 29.80 1.38 0.00 | 27.69 1.41 0.00 | 27.01 1.32 0.00 | 30.25 1.40 0.00 | 34.15 1.51 0.04 | 31.68 1.78 0.00 | 34.41 1.83 0.04 | 31.17 1.60 0.00 | 29.93 1.33 0.00 | 31.48 1.00 0.00 | 31.94 0.83 0.00 | 25.59 0.73 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | -0.72 -0.70 14.43 | -21.48 -0.65 34.10 | -21.24 -0.64 33.94 | -15.57 -0.69 28.71 | 2.60 -0.74 11.95 | 15.83 -0.58 0.00 | 21.62 -0.67 0.00 | 22.31 -0.73 0.00 | 25.60 -0.55 0.00 | 25.60 -0.05 0.00 | 25.43 0.09 0.00 | 30.40 0.15 0.00 | 28.68 0.26 0.00 | 26.42 0.14 0.00 | 25.79 0.11 0.00 | 29.00 0.15 0.00 | 32.84 0.16 0.00 | 29.14 -0.75 0.00 | 31.94 -0.67 0.00 | 29.47 -0.10 0.00 | 28.84 0.23 0.00 | 31.51 1.04 0.00 | 32.23 1.12 0.00 | 25.60 0.75 0.00 |
| PLEASANTVLY__LBMP 24000 | 15.09 0.68 0.00 | 13.89 0.62 0.00 | 13.96 0.62 0.00 | 14.45 0.63 0.00 | 15.95 0.67 0.00 | 17.10 0.70 0.00 | 23.18 0.88 0.00 | 24.06 1.02 0.00 | 27.35 1.20 0.00 | 26.87 1.23 0.00 | 26.41 1.07 0.00 | 31.46 1.21 0.00 | 29.60 1.18 0.00 | 27.46 1.18 0.00 | 26.80 1.12 0.00 | 30.05 1.20 0.00 | 34.03 1.34 0.00 | 31.45 1.55 0.00 | 34.24 1.63 0.00 | 30.96 1.39 0.00 | 29.77 1.16 0.00 | 31.39 0.91 0.00 | 31.88 0.77 0.00 | 25.54 0.69 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 15.20 0.79 0.00 | 13.97 0.70 0.00 | 14.04 0.70 0.00 | 14.54 0.71 0.00 | 16.04 0.76 0.00 | 17.19 0.79 0.00 | 23.33 1.03 0.00 | 24.28 1.23 0.00 | 27.58 1.44 0.00 | 27.12 1.48 0.00 | 26.67 1.33 0.00 | 31.77 1.52 0.00 | 29.90 1.48 0.00 | 27.75 1.47 0.00 | 27.08 1.40 0.00 | 30.35 1.50 0.00 | 34.35 1.67 0.00 | 31.76 1.87 0.00 | 34.60 1.98 0.00 | 31.28 1.71 0.00 | 30.05 1.45 0.00 | 31.65 1.17 0.00 | 32.13 1.02 0.00 | 25.71 0.86 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 15.20 0.79 0.00 | 13.97 0.70 0.00 | 14.04 0.70 0.00 | 14.54 0.71 0.00 | 16.04 0.76 0.00 | 17.19 0.79 0.00 | 23.33 1.03 0.00 | 24.28 1.23 0.00 | 27.58 1.44 0.00 | 27.12 1.48 0.00 | 26.67 1.33 0.00 | 31.77 1.52 0.00 | 29.90 1.48 0.00 | 27.75 1.47 0.00 | 27.08 1.40 0.00 | 30.35 1.50 0.00 | 34.35 1.67 0.00 | 31.76 1.87 0.00 | 34.60 1.98 0.00 | 31.28 1.71 0.00 | 30.05 1.45 0.00 | 31.65 1.17 0.00 | 32.13 1.02 0.00 | 25.71 0.86 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 15.22 0.80 0.00 | 14.00 0.73 0.00 | 14.07 0.73 0.00 | 14.57 0.75 0.00 | 16.09 0.80 0.00 | 17.25 0.85 0.00 | 23.41 1.11 0.00 | 24.31 1.27 0.00 | 27.61 1.47 0.00 | 27.12 1.47 0.00 | 26.62 1.29 0.00 | 31.69 1.44 0.00 | 29.81 1.40 0.00 | 27.64 1.36 0.00 | 26.98 1.30 0.00 | 30.27 1.42 0.00 | 34.29 1.61 0.00 | 31.77 1.87 0.00 | 34.67 2.06 0.00 | 31.35 1.77 0.00 | 30.12 1.52 0.00 | 31.75 1.28 0.00 | 32.22 1.11 0.00 | 25.80 0.95 0.00 |
| POLETTI____ 23519 | 15.21 0.80 0.00 | 13.97 0.70 0.00 | 14.03 0.69 0.00 | 14.52 0.70 0.00 | 16.02 0.74 0.00 | 17.13 0.73 0.00 | 23.26 0.96 0.00 | 24.25 1.21 0.00 | 27.58 1.43 0.00 | 27.12 1.47 0.00 | 26.69 1.35 0.00 | 31.81 1.56 0.00 | 29.95 1.53 0.00 | 27.83 1.55 0.00 | 27.15 1.47 0.00 | 30.42 1.57 0.00 | 34.37 1.68 0.00 | 31.83 1.94 0.00 | 34.62 2.01 0.00 | 31.32 1.75 0.00 | 30.09 1.49 0.00 | 31.62 1.15 0.00 | 32.08 0.97 0.00 | 25.68 0.83 0.00 |
| POMONA__ESR 323819 | 15.18 0.77 0.00 | 13.94 0.67 0.00 | 14.01 0.67 0.00 | 14.50 0.68 0.00 | 16.02 0.73 0.00 | 17.15 0.75 0.00 | 23.32 1.03 0.00 | 24.25 1.21 0.00 | 27.54 1.40 0.00 | 27.06 1.41 0.00 | 26.61 1.27 0.00 | 31.74 1.49 0.00 | 29.87 1.45 0.00 | 27.73 1.45 0.00 | 27.05 1.37 0.00 | 30.31 1.45 0.00 | 34.30 1.62 0.00 | 31.76 1.86 0.00 | 34.60 1.99 0.00 | 31.27 1.70 0.00 | 30.04 1.44 0.00 | 31.64 1.16 0.00 | 32.13 1.02 0.00 | 25.75 0.89 0.00 |
| PORT_JEFF_3 23555 | 15.45 1.04 0.00 | 14.21 0.94 0.00 | 14.25 0.91 0.00 | 14.70 0.88 0.00 | 16.20 0.92 0.00 | 17.36 0.96 0.00 | 23.72 1.42 0.00 | 24.49 1.45 0.00 | 28.19 2.04 0.00 | 27.52 1.88 0.00 | 27.20 1.86 0.00 | 32.41 2.16 0.00 | 30.37 1.95 0.00 | 28.40 2.12 0.00 | 27.73 2.05 0.00 | 31.00 2.14 0.00 | 35.12 2.44 0.00 | 32.51 2.61 0.00 | 35.32 2.70 0.00 | 31.98 2.41 0.00 | 30.64 2.04 0.00 | 32.30 1.82 0.00 | 32.66 1.55 0.00 | 26.04 1.19 0.00 |
| PORT_JEFF_4 23616 | 15.45 1.04 0.00 | 14.21 0.94 0.00 | 14.25 0.91 0.00 | 14.70 0.88 0.00 | 16.20 0.92 0.00 | 17.36 0.96 0.00 | 23.72 1.42 0.00 | 24.49 1.45 0.00 | 28.19 2.04 0.00 | 27.52 1.88 0.00 | 27.20 1.86 0.00 | 32.41 2.16 0.00 | 30.37 1.95 0.00 | 28.40 2.12 0.00 | 27.73 2.05 0.00 | 31.00 2.14 0.00 | 35.12 2.44 0.00 | 32.51 2.61 0.00 | 35.32 2.70 0.00 | 31.98 2.41 0.00 | 30.64 2.04 0.00 | 32.30 1.82 0.00 | 32.66 1.55 0.00 | 26.04 1.19 0.00 |
| PORT_JEFF_IC 23713 | 15.47 1.05 0.00 | 14.22 0.96 0.00 | 14.26 0.92 0.00 | 14.71 0.89 0.00 | 16.21 0.93 0.00 | 17.38 0.98 0.00 | 23.74 1.44 0.00 | 24.52 1.47 0.00 | 28.21 2.07 0.00 | 27.56 1.91 0.00 | 27.24 1.90 0.00 | 32.44 2.19 0.00 | 30.42 2.00 0.00 | 28.44 2.16 0.00 | 27.76 2.07 0.00 | 31.03 2.18 0.00 | 35.17 2.49 0.00 | 32.56 2.67 0.00 | 35.37 2.76 0.00 | 32.04 2.47 0.00 | 30.69 2.09 0.00 | 32.34 1.87 0.00 | 32.70 1.59 0.00 | 26.07 1.22 0.00 |
| PPL PILGRIM_ST_GT1 24216 | 15.52 1.11 0.00 | 14.26 0.99 0.00 | 14.31 0.97 0.00 | 14.77 0.95 0.00 | 16.29 1.00 0.00 | 17.44 1.04 0.00 | 23.78 1.48 0.00 | 24.64 1.60 0.00 | 28.23 2.09 0.00 | 27.67 2.02 0.00 | 27.36 2.02 0.00 | 32.54 2.29 0.00 | 30.53 2.11 0.00 | 28.53 2.25 0.00 | 27.89 2.20 0.00 | 31.12 2.27 0.00 | 35.24 2.56 0.00 | 32.61 2.72 0.00 | 35.46 2.84 0.00 | 32.08 2.50 0.00 | 30.77 2.16 0.00 | 32.38 1.91 0.00 | 32.77 1.66 0.00 | 26.20 1.35 0.00 |

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| PPL PILGRIM_ST_GT2 24217 | 15.52 1.11 0.00 | 14.26 0.99 0.00 | 14.31 0.97 0.00 | 14.77 0.95 0.00 | 16.29 1.00 0.00 | 17.44 1.04 0.00 | 23.78 1.48 0.00 | 24.64 1.60 0.00 | 28.23 2.09 0.00 | 27.67 2.02 0.00 | 27.36 2.02 0.00 | 32.54 2.29 0.00 | 30.53 2.11 0.00 | 28.53 2.25 0.00 | 27.89 2.20 0.00 | 31.12 2.27 0.00 | 35.24 2.56 0.00 | 32.61 2.72 0.00 | 35.46 2.84 0.00 | 32.08 2.50 0.00 | 30.77 2.16 0.00 | 32.38 1.91 0.00 | 32.77 1.66 0.00 | 26.20 1.35 0.00 |
| PPL_SHRM_GT3 24213 | 15.42 1.01 0.00 | 14.21 0.94 0.00 | 14.24 0.90 0.00 | 14.69 0.87 0.00 | 16.18 0.90 0.00 | 17.35 0.95 0.00 | 23.74 1.44 0.00 | 24.41 1.37 0.00 | 28.23 2.09 0.00 | 27.43 1.79 0.00 | 27.14 1.80 0.00 | 32.40 2.15 0.00 | 30.30 1.88 0.00 | 28.37 2.09 0.00 | 27.67 1.98 0.00 | 30.98 2.12 0.00 | 35.14 2.46 0.00 | 32.52 2.62 0.00 | 35.27 2.65 0.00 | 31.98 2.41 0.00 | 30.59 1.98 0.00 | 32.31 1.83 0.00 | 32.63 1.52 0.00 | 25.95 1.10 0.00 |
| PPL_SHRM_GT4 24214 | 15.42 1.01 0.00 | 14.21 0.94 0.00 | 14.24 0.90 0.00 | 14.69 0.87 0.00 | 16.18 0.90 0.00 | 17.35 0.95 0.00 | 23.74 1.44 0.00 | 24.41 1.37 0.00 | 28.23 2.09 0.00 | 27.43 1.79 0.00 | 27.14 1.80 0.00 | 32.40 2.15 0.00 | 30.30 1.88 0.00 | 28.37 2.09 0.00 | 27.67 1.98 0.00 | 30.98 2.12 0.00 | 35.14 2.46 0.00 | 32.52 2.62 0.00 | 35.27 2.65 0.00 | 31.98 2.41 0.00 | 30.59 1.98 0.00 | 32.31 1.83 0.00 | 32.63 1.52 0.00 | 25.95 1.10 0.00 |
| PROJECT___ORANGE 1 24174 | 14.28 -0.13 0.00 | 13.16 -0.11 0.00 | 13.21 -0.12 0.00 | 13.71 -0.11 0.00 | 15.18 -0.11 0.00 | 16.23 -0.17 0.00 | 21.93 -0.37 0.00 | 22.64 -0.40 0.00 | 25.66 -0.49 0.00 | 25.18 -0.46 0.00 | 24.88 -0.46 0.00 | 29.73 -0.52 0.00 | 27.98 -0.43 0.00 | 25.91 -0.37 0.00 | 25.38 -0.30 0.00 | 28.50 -0.35 0.00 | 32.27 -0.42 0.00 | 29.51 -0.39 0.00 | 32.25 -0.37 0.00 | 29.12 -0.45 0.00 | 28.16 -0.44 0.00 | 29.95 -0.53 0.00 | 30.60 -0.51 0.00 | 24.54 -0.32 0.00 |
| PROJECT___ORANGE 2 24166 | 14.28 -0.13 0.00 | 13.16 -0.11 0.00 | 13.21 -0.12 0.00 | 13.71 -0.11 0.00 | 15.18 -0.11 0.00 | 16.23 -0.17 0.00 | 21.93 -0.37 0.00 | 22.64 -0.40 0.00 | 25.66 -0.49 0.00 | 25.18 -0.46 0.00 | 24.88 -0.46 0.00 | 29.73 -0.52 0.00 | 27.98 -0.43 0.00 | 25.91 -0.37 0.00 | 25.38 -0.30 0.00 | 28.50 -0.35 0.00 | 32.27 -0.42 0.00 | 29.51 -0.39 0.00 | 32.25 -0.37 0.00 | 29.12 -0.45 0.00 | 28.16 -0.44 0.00 | 29.95 -0.53 0.00 | 30.60 -0.51 0.00 | 24.54 -0.32 0.00 |
| PUCKETT___SOLAR 323809 | 14.69 0.08 -0.20 | 13.87 0.15 -0.44 | 13.81 0.12 -0.34 | 14.41 0.17 -0.42 | 16.16 0.30 -0.58 | 16.98 0.20 -0.38 | 23.35 0.26 -0.80 | 24.47 0.33 -1.10 | 29.19 0.27 -2.77 | 27.98 0.31 -2.03 | 27.61 0.36 -1.92 | 31.56 0.54 -0.77 | 29.68 0.60 -0.66 | 27.48 0.49 -0.71 | 27.80 0.57 -1.54 | 31.47 0.68 -1.94 | 34.64 0.90 -1.05 | 31.74 0.87 -0.97 | 34.91 1.12 -1.17 | 31.40 0.85 -0.98 | 30.74 0.72 -1.42 | 32.86 0.63 -1.75 | 36.90 0.55 -5.23 | 31.74 0.50 -6.39 |
| PYRITES___HYD 24023 | 16.25 -0.14 -1.98 | 16.67 -0.18 -3.59 | 15.21 -0.14 -2.01 | 17.49 -0.14 -3.81 | 16.78 -0.15 -1.64 | 16.39 -0.01 0.00 | 22.54 0.24 0.00 | 23.54 0.20 -0.30 | 27.30 0.06 -1.09 | 25.86 0.14 -0.07 | 26.08 0.24 -0.50 | 30.58 0.32 0.00 | 28.71 0.29 0.00 | 26.41 0.13 0.00 | 25.72 0.04 0.00 | 28.98 0.13 0.00 | 32.65 -0.08 -0.04 | 29.67 -0.22 0.00 | 32.54 -0.11 -0.04 | 29.88 0.31 0.00 | 29.12 0.51 0.00 | 31.31 0.83 0.00 | 32.03 0.92 0.00 | 25.40 0.55 0.00 |
| QUAKERRD_115KV_BK1 80622 | 12.93 -0.88 0.60 | 12.38 -0.81 0.08 | 12.49 -0.85 0.00 | 13.03 -0.80 0.00 | 14.49 -0.79 0.00 | 15.52 -0.88 0.00 | 20.98 -1.32 0.00 | 21.61 -1.43 0.00 | 24.46 -1.69 0.00 | 24.03 -1.61 0.00 | 23.68 -1.66 0.00 | 28.29 -1.96 0.00 | 26.68 -1.74 0.00 | 24.68 -1.60 0.00 | 24.21 -1.47 0.00 | 27.23 -1.63 0.00 | 30.92 -1.76 0.00 | 28.10 -1.80 0.00 | 30.77 -1.85 0.00 | 27.74 -1.83 0.00 | 26.97 -1.63 0.00 | 28.64 -1.84 0.00 | 29.24 -1.87 0.00 | 23.60 -1.25 0.00 |
| QUENSBRY_115KV_TB8 356137 | 15.04 0.62 0.00 | 13.83 0.56 0.00 | 13.91 0.57 0.00 | 14.42 0.60 0.00 | 15.95 0.67 0.00 | 17.18 0.78 0.00 | 23.26 0.96 0.00 | 23.99 0.95 0.00 | 27.30 1.15 0.00 | 26.88 1.23 0.00 | 26.34 1.00 0.00 | 31.62 1.37 0.00 | 29.81 1.39 0.00 | 27.65 1.37 0.00 | 27.03 1.35 0.00 | 30.31 1.46 0.00 | 34.55 1.86 0.00 | 31.87 1.98 0.00 | 34.63 2.02 0.00 | 31.28 1.70 0.00 | 30.13 1.52 0.00 | 31.97 1.50 0.00 | 32.30 1.19 0.00 | 25.86 1.01 0.00 |
| RAMAPO___LBMP 323565 | 15.15 0.73 0.00 | 13.90 0.63 0.00 | 13.97 0.63 0.00 | 14.47 0.65 0.00 | 15.98 0.70 0.00 | 17.11 0.71 0.00 | 23.26 0.96 0.00 | 24.17 1.13 0.00 | 27.46 1.31 0.00 | 26.97 1.32 0.00 | 26.52 1.18 0.00 | 31.62 1.37 0.00 | 29.77 1.35 0.00 | 27.64 1.36 0.00 | 26.95 1.27 0.00 | 30.19 1.34 0.00 | 34.17 1.49 0.00 | 31.65 1.75 0.00 | 34.48 1.86 0.00 | 31.17 1.59 0.00 | 29.94 1.33 0.00 | 31.53 1.06 0.00 | 32.04 0.92 0.00 | 25.67 0.82 0.00 |
| RANKINE____ 23646 | 12.43 -1.02 0.97 | 12.22 -0.92 0.13 | 12.35 -0.99 0.00 | 12.98 -0.85 0.00 | 14.53 -0.76 0.00 | 15.52 -0.88 0.00 | 20.90 -1.40 0.00 | 21.42 -1.62 0.00 | 24.24 -1.90 0.00 | 23.93 -1.71 0.00 | 23.62 -1.71 0.00 | 28.30 -1.95 0.00 | 26.82 -1.59 0.00 | 24.83 -1.45 0.00 | 24.46 -1.22 0.00 | 27.45 -1.40 0.00 | 31.20 -1.48 0.00 | 28.00 -1.89 0.00 | 30.65 -1.96 0.00 | 27.51 -2.06 0.00 | 27.05 -1.56 0.00 | 28.79 -1.68 0.00 | 29.61 -1.50 0.00 | 24.20 -0.65 0.00 |
| RAVENSWOOD_GT2_1 24244 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.02 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.53 0.00 | 26.74 1.40 0.00 | 31.87 1.62 0.00 | 30.00 1.59 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.47 1.62 0.00 | 34.43 1.75 0.00 | 31.89 2.00 0.00 | 34.69 2.07 0.00 | 31.38 1.80 0.00 | 30.15 1.54 0.00 | 31.69 1.21 0.00 | 32.16 1.04 0.00 | 25.74 0.88 0.00 |
| RAVENSWOOD_GT2_2 24245 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.02 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.53 0.00 | 26.74 1.40 0.00 | 31.87 1.62 0.00 | 30.00 1.59 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.47 1.62 0.00 | 34.43 1.75 0.00 | 31.89 2.00 0.00 | 34.69 2.07 0.00 | 31.38 1.80 0.00 | 30.15 1.54 0.00 | 31.69 1.21 0.00 | 32.16 1.04 0.00 | 25.74 0.88 0.00 |
| RAVENSWOOD_GT2_3 24246 | 15.23 0.82 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.04 0.76 0.00 | 17.17 0.76 0.00 | 23.33 1.03 0.00 | 24.31 1.27 0.00 | 27.65 1.51 0.00 | 27.19 1.54 0.00 | 26.76 1.42 0.00 | 31.88 1.63 0.00 | 30.02 1.60 0.00 | 27.90 1.62 0.00 | 27.21 1.53 0.00 | 30.49 1.64 0.00 | 34.45 1.77 0.00 | 31.90 2.01 0.00 | 34.70 2.08 0.00 | 31.39 1.82 0.00 | 30.17 1.56 0.00 | 31.71 1.24 0.00 | 32.16 1.05 0.00 | 25.75 0.90 0.00 |
| RAVENSWOOD_GT2_4 24247 | 15.23 0.82 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.04 0.76 0.00 | 17.17 0.76 0.00 | 23.33 1.03 0.00 | 24.31 1.27 0.00 | 27.65 1.51 0.00 | 27.19 1.54 0.00 | 26.76 1.42 0.00 | 31.88 1.63 0.00 | 30.02 1.60 0.00 | 27.90 1.62 0.00 | 27.21 1.53 0.00 | 30.49 1.64 0.00 | 34.45 1.77 0.00 | 31.90 2.01 0.00 | 34.70 2.08 0.00 | 31.39 1.82 0.00 | 30.17 1.56 0.00 | 31.71 1.24 0.00 | 32.16 1.05 0.00 | 25.75 0.90 0.00 |

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| RAVENSWOOD_GT3_1 24248 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.18 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.01 1.59 0.00 | 27.89 1.61 0.00 | 27.20 1.52 0.00 | 30.47 1.62 0.00 | 34.44 1.76 0.00 | 31.89 2.00 0.00 | 34.69 2.08 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT3_2 24249 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.18 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.01 1.59 0.00 | 27.89 1.61 0.00 | 27.20 1.52 0.00 | 30.47 1.62 0.00 | 34.44 1.76 0.00 | 31.89 2.00 0.00 | 34.69 2.08 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT3_3 24250 | 15.24 0.83 0.00 | 13.99 0.73 0.00 | 14.06 0.72 0.00 | 14.54 0.72 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.35 1.05 0.00 | 24.33 1.29 0.00 | 27.68 1.53 0.00 | 27.22 1.57 0.00 | 26.79 1.45 0.00 | 31.91 1.66 0.00 | 30.05 1.64 0.00 | 27.93 1.65 0.00 | 27.24 1.56 0.00 | 30.52 1.67 0.00 | 34.49 1.81 0.00 | 31.94 2.04 0.00 | 34.74 2.13 0.00 | 31.43 1.86 0.00 | 30.19 1.59 0.00 | 31.74 1.27 0.00 | 32.20 1.09 0.00 | 25.78 0.93 0.00 |
| RAVENSWOOD_GT3_4 24251 | 15.24 0.83 0.00 | 13.99 0.73 0.00 | 14.06 0.72 0.00 | 14.54 0.72 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.35 1.05 0.00 | 24.33 1.29 0.00 | 27.68 1.53 0.00 | 27.22 1.57 0.00 | 26.79 1.45 0.00 | 31.91 1.66 0.00 | 30.05 1.64 0.00 | 27.93 1.65 0.00 | 27.24 1.56 0.00 | 30.52 1.67 0.00 | 34.49 1.81 0.00 | 31.94 2.04 0.00 | 34.74 2.13 0.00 | 31.43 1.86 0.00 | 30.19 1.59 0.00 | 31.74 1.27 0.00 | 32.20 1.09 0.00 | 25.78 0.93 0.00 |
| RAVENSWOOD_GT_1 23729 | 15.26 0.84 0.00 | 14.00 0.73 0.00 | 14.06 0.72 0.00 | 14.55 0.73 0.00 | 16.06 0.77 0.00 | 17.18 0.78 0.00 | 23.36 1.07 0.00 | 24.36 1.32 0.00 | 27.72 1.57 0.00 | 27.26 1.62 0.00 | 26.84 1.50 0.00 | 31.97 1.72 0.00 | 30.11 1.69 0.00 | 27.98 1.70 0.00 | 27.29 1.61 0.00 | 30.58 1.73 0.00 | 34.54 1.85 0.00 | 31.98 2.09 0.00 | 34.77 2.16 0.00 | 31.47 1.90 0.00 | 30.23 1.63 0.00 | 31.76 1.29 0.00 | 32.22 1.11 0.00 | 25.80 0.94 0.00 |
| RAVENSWOOD_GT_10 24258 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.00 1.59 0.00 | 27.88 1.60 0.00 | 27.20 1.51 0.00 | 30.47 1.62 0.00 | 34.44 1.76 0.00 | 31.89 2.00 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT_11 24259 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.00 1.59 0.00 | 27.88 1.60 0.00 | 27.20 1.51 0.00 | 30.47 1.62 0.00 | 34.44 1.76 0.00 | 31.89 2.00 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT_4 24252 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.33 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.52 0.00 | 26.74 1.40 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.46 1.61 0.00 | 34.43 1.75 0.00 | 31.89 1.99 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT_5 24254 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.33 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.52 0.00 | 26.74 1.40 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.46 1.61 0.00 | 34.43 1.75 0.00 | 31.89 1.99 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT_6 24253 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.33 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.52 0.00 | 26.74 1.40 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.46 1.61 0.00 | 34.43 1.75 0.00 | 31.89 1.99 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT_7 24255 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.33 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.52 0.00 | 26.74 1.40 0.00 | 31.86 1.61 0.00 | 30.00 1.58 0.00 | 27.88 1.60 0.00 | 27.19 1.51 0.00 | 30.46 1.61 0.00 | 34.43 1.75 0.00 | 31.89 1.99 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.00 1.59 0.00 | 27.88 1.60 0.00 | 27.20 1.51 0.00 | 30.47 1.62 0.00 | 34.44 1.76 0.00 | 31.89 2.00 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD_GT_9 24257 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.04 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.17 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.00 1.59 0.00 | 27.88 1.60 0.00 | 27.20 1.51 0.00 | 30.47 1.62 0.00 | 34.44 1.76 0.00 | 31.89 2.00 0.00 | 34.69 2.07 0.00 | 31.38 1.81 0.00 | 30.15 1.54 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD___1 23533 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.64 0.00 | 27.24 1.55 0.00 | 30.52 1.67 0.00 | 34.48 1.79 0.00 | 31.92 2.02 0.00 | 34.72 2.10 0.00 | 31.41 1.84 0.00 | 30.18 1.57 0.00 | 31.71 1.23 0.00 | 32.17 1.06 0.00 | 25.75 0.90 0.00 |
| RAVENSWOOD___2 23534 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.64 0.00 | 27.24 1.55 0.00 | 30.52 1.67 0.00 | 34.48 1.79 0.00 | 31.92 2.02 0.00 | 34.72 2.10 0.00 | 31.41 1.84 0.00 | 30.18 1.57 0.00 | 31.71 1.23 0.00 | 32.17 1.06 0.00 | 25.75 0.90 0.00 |

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| RAVENSWOOD___3 23535 | 15.23 0.81 0.00 | 13.98 0.71 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.03 0.75 0.00 | 17.16 0.76 0.00 | 23.32 1.03 0.00 | 24.30 1.26 0.00 | 27.64 1.49 0.00 | 27.18 1.53 0.00 | 26.75 1.41 0.00 | 31.87 1.62 0.00 | 30.00 1.58 0.00 | 27.89 1.61 0.00 | 27.20 1.52 0.00 | 30.47 1.62 0.00 | 34.45 1.76 0.00 | 31.89 1.99 0.00 | 34.70 2.08 0.00 | 31.38 1.81 0.00 | 30.15 1.55 0.00 | 31.69 1.22 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| RAVENSWOOD___4 23820 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.64 0.00 | 27.24 1.55 0.00 | 30.52 1.67 0.00 | 34.48 1.79 0.00 | 31.92 2.02 0.00 | 34.72 2.10 0.00 | 31.41 1.84 0.00 | 30.18 1.57 0.00 | 31.71 1.23 0.00 | 32.17 1.06 0.00 | 25.75 0.90 0.00 |
| RCPL_TRUST___DRP 24196 | 15.23 0.82 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.05 0.76 0.00 | 17.16 0.76 0.00 | 23.33 1.03 0.00 | 24.32 1.27 0.00 | 27.65 1.51 0.00 | 27.20 1.55 0.00 | 26.77 1.43 0.00 | 31.90 1.65 0.00 | 30.03 1.62 0.00 | 27.91 1.63 0.00 | 27.22 1.54 0.00 | 30.51 1.65 0.00 | 34.48 1.79 0.00 | 31.92 2.02 0.00 | 34.72 2.11 0.00 | 31.40 1.83 0.00 | 30.17 1.56 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.75 0.89 0.00 |
| RED___ROCHESTER 323720 | 12.89 -0.63 0.89 | 12.07 -0.58 0.63 | 12.29 -0.63 0.41 | 12.77 -0.54 0.51 | 14.10 -0.49 0.70 | 15.40 -0.55 0.45 | 20.45 -0.89 0.97 | 20.73 -1.01 1.30 | 21.93 -1.22 3.00 | 22.31 -1.14 2.20 | 22.05 -1.21 2.07 | 28.00 -1.42 0.83 | 26.50 -1.20 0.71 | 24.42 -1.09 0.77 | 23.07 -0.95 1.67 | 25.77 -0.99 2.09 | 30.55 -1.05 1.09 | 27.71 -1.20 0.98 | 30.26 -1.17 1.19 | 27.35 -1.23 1.00 | 26.18 -1.00 1.43 | 27.52 -1.19 1.76 | 24.66 -1.17 5.29 | 17.76 -0.63 6.45 |
| REGAN___SOLAR 323812 | 15.49 1.07 0.00 | 14.23 0.96 0.00 | 14.32 0.98 0.00 | 14.87 1.05 0.00 | 16.52 1.24 0.00 | 17.73 1.33 0.00 | 24.38 2.08 0.00 | 25.30 2.25 0.00 | 28.59 2.45 0.00 | 27.90 2.26 0.00 | 27.64 2.30 0.00 | 32.86 2.61 0.00 | 31.04 2.62 0.00 | 28.73 2.45 0.00 | 28.07 2.39 0.00 | 31.55 2.70 0.00 | 36.10 3.42 0.00 | 33.15 3.25 0.00 | 36.33 3.72 0.00 | 32.83 3.26 0.00 | 31.64 3.03 0.00 | 33.48 3.01 0.00 | 34.06 2.95 0.00 | 27.14 2.29 0.00 |
| RENSSELAER___COGEN 23796 | 14.96 0.55 0.00 | 13.82 0.55 0.00 | 13.89 0.55 0.00 | 14.39 0.57 0.00 | 15.89 0.61 0.00 | 17.05 0.64 0.00 | 23.01 0.71 0.00 | 23.80 0.75 0.00 | 27.06 0.92 0.00 | 26.60 0.96 0.00 | 26.11 0.78 0.00 | 31.13 0.88 0.00 | 29.31 0.89 0.00 | 27.11 0.83 0.00 | 26.50 0.81 0.00 | 29.77 0.92 0.00 | 33.73 1.05 0.00 | 30.97 1.08 0.00 | 33.69 1.07 0.00 | 30.47 0.90 0.00 | 29.39 0.78 0.00 | 31.15 0.67 0.00 | 31.65 0.54 0.00 | 25.36 0.51 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 15.61 1.19 0.00 | 14.31 1.04 0.00 | 14.37 1.03 0.00 | 14.93 1.11 0.00 | 16.54 1.25 0.00 | 17.90 1.50 0.00 | 24.16 1.86 0.00 | 24.70 1.66 0.00 | 28.17 2.02 0.00 | 27.84 2.19 0.00 | 27.06 1.73 0.00 | 32.44 2.19 0.00 | 30.65 2.23 0.00 | 28.31 2.03 0.00 | 27.69 2.01 0.00 | 31.07 2.22 0.00 | 35.56 2.88 0.00 | 33.20 3.30 0.00 | 35.86 3.24 0.00 | 32.11 2.54 0.00 | 30.96 2.36 0.00 | 33.02 2.54 0.00 | 33.03 1.92 0.00 | 26.55 1.70 0.00 |
| REVERE_CPPR_DRP 24186 | 14.71 0.30 0.00 | 13.51 0.28 0.03 | 13.53 0.28 0.08 | 14.12 0.30 0.00 | 15.64 0.35 0.00 | 16.78 0.38 0.00 | 22.91 0.61 0.00 | 23.71 0.66 0.00 | 26.85 0.71 0.00 | 26.33 0.68 0.00 | 26.12 0.78 0.00 | 31.33 1.08 0.00 | 29.37 0.95 0.00 | 27.15 0.87 0.00 | 26.61 0.93 0.00 | 29.99 1.14 0.00 | 34.06 1.38 0.00 | 31.20 1.30 0.00 | 34.04 1.43 0.00 | 30.83 1.26 0.00 | 29.76 1.16 0.00 | 31.62 1.14 0.00 | 32.27 1.16 0.00 | 25.77 0.92 0.00 |
| REYNOLDS_115KV_TB3 80639 | 14.95 0.54 0.00 | 13.81 0.55 0.00 | 13.88 0.54 0.00 | 14.38 0.56 0.00 | 15.88 0.59 0.00 | 17.04 0.63 0.00 | 22.95 0.65 0.00 | 23.73 0.68 0.00 | 26.99 0.84 0.00 | 26.54 0.89 0.00 | 26.04 0.69 0.00 | 31.03 0.78 0.00 | 29.22 0.80 0.00 | 27.01 0.73 0.00 | 26.41 0.72 0.00 | 29.68 0.83 0.00 | 33.62 0.94 0.00 | 30.86 0.96 0.00 | 33.54 0.93 0.00 | 30.35 0.78 0.00 | 29.27 0.67 0.00 | 31.03 0.56 0.00 | 31.53 0.42 0.00 | 25.29 0.44 0.00 |
| RIVERBAY____ 323610 | 15.26 0.85 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.55 0.73 0.00 | 16.06 0.78 0.00 | 17.20 0.80 0.00 | 23.44 1.14 0.00 | 24.42 1.38 0.00 | 27.73 1.59 0.00 | 27.28 1.63 0.00 | 26.82 1.48 0.00 | 31.89 1.64 0.00 | 30.03 1.62 0.00 | 27.91 1.62 0.00 | 27.18 1.50 0.00 | 30.44 1.59 0.00 | 34.36 1.68 0.00 | 31.84 1.95 0.00 | 34.65 2.04 0.00 | 31.36 1.79 0.00 | 30.12 1.52 0.00 | 31.69 1.21 0.00 | 32.19 1.08 0.00 | 25.80 0.95 0.00 |
| RIVERSDE_115KV_TB3 55908 | 14.98 0.56 0.00 | 13.83 0.56 0.00 | 13.90 0.56 0.00 | 14.41 0.58 0.00 | 15.91 0.62 0.00 | 17.06 0.66 0.00 | 23.01 0.72 0.00 | 23.80 0.76 0.00 | 27.07 0.92 0.00 | 26.62 0.97 0.00 | 26.12 0.78 0.00 | 31.14 0.89 0.00 | 29.33 0.91 0.00 | 27.12 0.84 0.00 | 26.51 0.82 0.00 | 29.79 0.93 0.00 | 33.75 1.07 0.00 | 30.98 1.08 0.00 | 33.69 1.07 0.00 | 30.47 0.90 0.00 | 29.38 0.78 0.00 | 31.15 0.68 0.00 | 31.63 0.53 0.00 | 25.37 0.52 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 13.90 -0.51 0.00 | 10.79 -0.51 1.98 | 8.07 -0.51 4.76 | 13.07 -0.52 0.23 | 14.76 -0.53 0.00 | 15.90 -0.50 0.00 | 21.69 -0.61 0.00 | 22.54 -0.50 0.00 | 25.54 -0.61 0.00 | 25.02 -0.62 0.00 | 24.87 -0.47 0.00 | 29.82 -0.43 0.00 | 28.07 -0.35 0.00 | 25.93 -0.35 0.00 | 25.26 -0.43 0.00 | 28.37 -0.48 0.00 | 32.15 -0.53 0.00 | 29.26 -0.64 0.00 | 31.86 -0.75 0.00 | 28.92 -0.65 0.00 | 27.94 -0.67 0.00 | 29.93 -0.54 0.00 | 30.94 -0.17 0.00 | 24.84 -0.02 0.00 |
| ROCHESRG_115KV_T4 355643 | 13.03 -0.75 0.63 | 12.50 -0.68 0.09 | 12.61 -0.73 0.00 | 13.17 -0.65 0.00 | 14.68 -0.61 0.00 | 15.71 -0.69 0.00 | 21.21 -1.09 0.00 | 21.81 -1.24 0.00 | 24.68 -1.47 0.00 | 24.26 -1.39 0.00 | 23.90 -1.44 0.00 | 28.56 -1.69 0.00 | 26.96 -1.46 0.00 | 24.95 -1.33 0.00 | 24.50 -1.18 0.00 | 27.56 -1.29 0.00 | 31.30 -1.38 0.00 | 28.36 -1.54 0.00 | 31.07 -1.55 0.00 | 28.00 -1.57 0.00 | 27.28 -1.33 0.00 | 28.98 -1.50 0.00 | 29.63 -1.48 0.00 | 23.98 -0.87 0.00 |
| ROCHESTER_9_IC 23652 | 13.08 -0.69 0.65 | 12.56 -0.62 0.09 | 12.66 -0.68 0.00 | 13.23 -0.59 0.00 | 14.75 -0.54 0.00 | 15.79 -0.61 0.00 | 21.32 -0.98 0.00 | 21.93 -1.11 0.00 | 24.81 -1.33 0.00 | 24.39 -1.25 0.00 | 24.02 -1.32 0.00 | 28.71 -1.54 0.00 | 27.10 -1.32 0.00 | 25.09 -1.19 0.00 | 24.64 -1.05 0.00 | 27.73 -1.13 0.00 | 31.50 -1.19 0.00 | 28.54 -1.36 0.00 | 31.27 -1.35 0.00 | 28.18 -1.39 0.00 | 27.44 -1.16 0.00 | 29.14 -1.33 0.00 | 29.79 -1.32 0.00 | 24.10 -0.75 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 15.25 0.84 0.00 | 14.01 0.74 0.00 | 14.07 0.73 0.00 | 14.57 0.74 0.00 | 16.08 0.80 0.00 | 17.22 0.82 0.00 | 23.41 1.11 0.00 | 24.36 1.31 0.00 | 27.69 1.54 0.00 | 27.22 1.57 0.00 | 26.78 1.44 0.00 | 31.92 1.67 0.00 | 30.05 1.63 0.00 | 27.91 1.63 0.00 | 27.23 1.55 0.00 | 30.52 1.67 0.00 | 34.51 1.83 0.00 | 31.94 2.05 0.00 | 34.78 2.16 0.00 | 31.45 1.88 0.00 | 30.22 1.61 0.00 | 31.80 1.33 0.00 | 32.26 1.15 0.00 | 25.83 0.98 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ROME____115KV_TB2 80656 | 14.71 0.30 0.00 | 13.51 0.28 0.03 | 13.53 0.28 0.08 | 14.12 0.30 0.00 | 15.64 0.35 0.00 | 16.78 0.38 0.00 | 22.91 0.61 0.00 | 23.71 0.66 0.00 | 26.85 0.71 0.00 | 26.33 0.68 0.00 | 26.12 0.78 0.00 | 31.33 1.08 0.00 | 29.37 0.95 0.00 | 27.15 0.87 0.00 | 26.61 0.93 0.00 | 29.99 1.14 0.00 | 34.06 1.38 0.00 | 31.20 1.30 0.00 | 34.04 1.43 0.00 | 30.83 1.26 0.00 | 29.76 1.16 0.00 | 31.62 1.14 0.00 | 32.27 1.16 0.00 | 25.77 0.92 0.00 |
| ROSETON____1 23587 | 15.09 0.68 0.00 | 13.88 0.61 0.00 | 13.95 0.61 0.00 | 14.44 0.62 0.00 | 15.95 0.66 0.00 | 17.08 0.68 0.00 | 23.17 0.87 0.00 | 24.07 1.02 0.00 | 27.35 1.20 0.00 | 26.87 1.22 0.00 | 26.41 1.07 0.00 | 31.47 1.22 0.00 | 29.62 1.20 0.00 | 27.48 1.20 0.00 | 26.81 1.13 0.00 | 30.06 1.21 0.00 | 34.04 1.36 0.00 | 31.46 1.56 0.00 | 34.27 1.66 0.00 | 30.98 1.41 0.00 | 29.79 1.19 0.00 | 31.42 0.94 0.00 | 31.91 0.80 0.00 | 25.56 0.70 0.00 |
| ROSETON____2 23588 | 15.09 0.68 0.00 | 13.88 0.61 0.00 | 13.95 0.61 0.00 | 14.44 0.62 0.00 | 15.95 0.66 0.00 | 17.08 0.68 0.00 | 23.17 0.87 0.00 | 24.07 1.02 0.00 | 27.35 1.20 0.00 | 26.87 1.22 0.00 | 26.41 1.07 0.00 | 31.47 1.22 0.00 | 29.62 1.20 0.00 | 27.48 1.20 0.00 | 26.81 1.13 0.00 | 30.06 1.21 0.00 | 34.04 1.36 0.00 | 31.46 1.56 0.00 | 34.27 1.66 0.00 | 30.98 1.41 0.00 | 29.79 1.19 0.00 | 31.42 0.94 0.00 | 31.91 0.80 0.00 | 25.56 0.70 0.00 |
| ROTTTRDAM_115KV_TB3 80664 | 14.84 0.43 0.00 | 13.66 0.39 0.00 | 13.75 0.41 0.00 | 14.25 0.43 0.00 | 15.74 0.46 0.00 | 16.89 0.49 0.00 | 22.88 0.58 0.00 | 23.68 0.63 0.00 | 26.90 0.75 0.00 | 26.43 0.78 0.00 | 26.00 0.66 0.00 | 31.03 0.78 0.00 | 29.20 0.78 0.00 | 27.02 0.74 0.00 | 26.41 0.73 0.00 | 29.66 0.80 0.00 | 33.63 0.95 0.00 | 30.88 0.99 0.00 | 33.63 1.02 0.00 | 30.44 0.86 0.00 | 29.36 0.76 0.00 | 31.14 0.66 0.00 | 31.67 0.56 0.00 | 25.35 0.50 0.00 |
| RUSSELL____1 23602 | 13.13 -0.63 0.65 | 12.60 -0.58 0.09 | 12.71 -0.63 0.00 | 13.28 -0.54 0.00 | 14.80 -0.49 0.00 | 15.84 -0.56 0.00 | 21.41 -0.89 0.00 | 22.03 -1.01 0.00 | 24.92 -1.23 0.00 | 24.50 -1.15 0.00 | 24.12 -1.22 0.00 | 28.83 -1.42 0.00 | 27.21 -1.21 0.00 | 25.19 -1.09 0.00 | 24.74 -0.94 0.00 | 27.86 -0.99 0.00 | 31.64 -1.04 0.00 | 28.68 -1.22 0.00 | 31.44 -1.18 0.00 | 28.33 -1.24 0.00 | 27.58 -1.02 0.00 | 29.28 -1.19 0.00 | 29.92 -1.19 0.00 | 24.20 -0.65 0.00 |
| RUSSELL____2 23532 | 13.13 -0.63 0.65 | 12.60 -0.58 0.09 | 12.71 -0.63 0.00 | 13.28 -0.54 0.00 | 14.80 -0.49 0.00 | 15.84 -0.56 0.00 | 21.41 -0.89 0.00 | 22.03 -1.01 0.00 | 24.92 -1.23 0.00 | 24.50 -1.15 0.00 | 24.12 -1.22 0.00 | 28.83 -1.42 0.00 | 27.21 -1.21 0.00 | 25.19 -1.09 0.00 | 24.74 -0.94 0.00 | 27.86 -0.99 0.00 | 31.64 -1.04 0.00 | 28.68 -1.22 0.00 | 31.44 -1.18 0.00 | 28.33 -1.24 0.00 | 27.58 -1.02 0.00 | 29.28 -1.19 0.00 | 29.92 -1.19 0.00 | 24.20 -0.65 0.00 |
| RUSSELL____3 23549 | 13.13 -0.63 0.65 | 12.60 -0.58 0.09 | 12.71 -0.63 0.00 | 13.28 -0.54 0.00 | 14.80 -0.49 0.00 | 15.84 -0.56 0.00 | 21.41 -0.89 0.00 | 22.03 -1.01 0.00 | 24.92 -1.23 0.00 | 24.50 -1.15 0.00 | 24.12 -1.22 0.00 | 28.83 -1.42 0.00 | 27.21 -1.21 0.00 | 25.19 -1.09 0.00 | 24.74 -0.94 0.00 | 27.86 -0.99 0.00 | 31.64 -1.04 0.00 | 28.68 -1.22 0.00 | 31.44 -1.18 0.00 | 28.33 -1.24 0.00 | 27.58 -1.02 0.00 | 29.28 -1.19 0.00 | 29.92 -1.19 0.00 | 24.20 -0.65 0.00 |
| RUSSELL____4 23556 | 13.13 -0.63 0.65 | 12.60 -0.58 0.09 | 12.71 -0.63 0.00 | 13.28 -0.54 0.00 | 14.80 -0.49 0.00 | 15.84 -0.56 0.00 | 21.41 -0.89 0.00 | 22.03 -1.01 0.00 | 24.92 -1.23 0.00 | 24.50 -1.15 0.00 | 24.12 -1.22 0.00 | 28.83 -1.42 0.00 | 27.21 -1.21 0.00 | 25.19 -1.09 0.00 | 24.74 -0.94 0.00 | 27.86 -0.99 0.00 | 31.64 -1.04 0.00 | 28.68 -1.22 0.00 | 31.44 -1.18 0.00 | 28.33 -1.24 0.00 | 27.58 -1.02 0.00 | 29.28 -1.19 0.00 | 29.92 -1.19 0.00 | 24.20 -0.65 0.00 |
| RUSSELL____STATION 23914 | 13.13 -0.63 0.65 | 12.60 -0.58 0.09 | 12.71 -0.63 0.00 | 13.28 -0.54 0.00 | 14.80 -0.49 0.00 | 15.84 -0.56 0.00 | 21.41 -0.89 0.00 | 22.03 -1.01 0.00 | 24.92 -1.23 0.00 | 24.50 -1.15 0.00 | 24.12 -1.22 0.00 | 28.83 -1.42 0.00 | 27.21 -1.21 0.00 | 25.19 -1.09 0.00 | 24.74 -0.94 0.00 | 27.86 -0.99 0.00 | 31.64 -1.04 0.00 | 28.68 -1.22 0.00 | 31.44 -1.18 0.00 | 28.33 -1.24 0.00 | 27.58 -1.02 0.00 | 29.28 -1.19 0.00 | 29.92 -1.19 0.00 | 24.20 -0.65 0.00 |
| S SALMON____HYD 24043 | 14.00 -0.41 0.00 | 12.81 -0.37 0.09 | 12.75 -0.38 0.21 | 13.42 -0.39 0.01 | 14.89 -0.40 0.00 | 15.94 -0.46 0.00 | 21.60 -0.70 0.00 | 22.30 -0.74 0.00 | 25.18 -0.97 0.00 | 24.76 -0.88 0.00 | 24.56 -0.79 0.00 | 29.41 -0.84 0.00 | 27.72 -0.70 0.00 | 25.57 -0.71 0.00 | 24.97 -0.71 0.00 | 28.11 -0.75 0.00 | 31.81 -0.87 0.00 | 29.27 -0.63 0.00 | 32.00 -0.62 0.00 | 28.88 -0.69 0.00 | 27.94 -0.66 0.00 | 29.77 -0.71 0.00 | 30.50 -0.60 0.00 | 24.44 -0.41 0.00 |
| S.PERRY__115KV_TB1 80734 | 11.71 -0.46 2.25 | 12.53 -0.42 0.32 | 12.87 -0.47 0.00 | 13.50 -0.32 0.00 | 15.13 -0.15 0.00 | 16.18 -0.22 0.00 | 22.07 -0.23 0.00 | 22.94 -0.11 0.00 | 25.74 -0.41 0.00 | 25.08 -0.56 0.00 | 24.83 -0.51 0.00 | 29.71 -0.54 0.00 | 28.05 -0.37 0.00 | 26.00 -0.28 0.00 | 25.49 -0.19 0.00 | 28.64 -0.21 0.00 | 32.59 -0.10 0.00 | 29.82 -0.08 0.00 | 32.93 0.32 0.00 | 29.59 0.02 0.00 | 28.71 0.10 0.00 | 30.49 0.01 0.00 | 31.13 0.02 0.00 | 25.11 0.26 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 12.36 -1.16 0.90 | 12.10 -1.05 0.12 | 12.22 -1.12 0.00 | 12.83 -0.99 0.00 | 14.37 -0.92 0.00 | 15.35 -1.05 0.00 | 20.67 -1.63 0.00 | 21.14 -1.90 0.00 | 23.91 -2.24 0.00 | 23.60 -2.05 0.00 | 23.27 -2.07 0.00 | 27.85 -2.41 0.00 | 26.37 -2.05 0.00 | 24.41 -1.87 0.00 | 24.05 -1.64 0.00 | 27.00 -1.86 0.00 | 30.69 -1.99 0.00 | 27.52 -2.38 0.00 | 30.14 -2.48 0.00 | 27.10 -2.48 0.00 | 26.63 -1.98 0.00 | 28.33 -2.15 0.00 | 29.14 -1.98 0.00 | 23.83 -1.02 0.00 |
| SAWYER____23_KV_LOAD 55526 | 12.36 -1.16 0.90 | 12.10 -1.05 0.12 | 12.22 -1.12 0.00 | 12.83 -0.99 0.00 | 14.37 -0.92 0.00 | 15.35 -1.05 0.00 | 20.67 -1.63 0.00 | 21.14 -1.90 0.00 | 23.91 -2.24 0.00 | 23.60 -2.05 0.00 | 23.27 -2.07 0.00 | 27.85 -2.41 0.00 | 26.37 -2.05 0.00 | 24.41 -1.87 0.00 | 24.05 -1.64 0.00 | 27.00 -1.86 0.00 | 30.69 -1.99 0.00 | 27.52 -2.38 0.00 | 30.14 -2.48 0.00 | 27.10 -2.48 0.00 | 26.63 -1.98 0.00 | 28.33 -2.15 0.00 | 29.14 -1.98 0.00 | 23.83 -1.02 0.00 |
| SELKIRK____I 23801 | 14.92 0.51 0.00 | 13.78 0.51 0.00 | 13.85 0.51 0.00 | 14.36 0.54 0.00 | 15.86 0.58 0.00 | 17.02 0.62 0.00 | 22.99 0.69 0.00 | 23.76 0.71 0.00 | 27.00 0.85 0.00 | 26.52 0.88 0.00 | 26.08 0.74 0.00 | 31.09 0.84 0.00 | 29.25 0.83 0.00 | 27.05 0.77 0.00 | 26.44 0.76 0.00 | 29.72 0.86 0.00 | 33.67 0.99 0.00 | 30.90 1.00 0.00 | 33.61 1.00 0.00 | 30.41 0.83 0.00 | 29.34 0.74 0.00 | 31.13 0.65 0.00 | 31.66 0.55 0.00 | 25.37 0.52 0.00 |
| SELKIRK____II 23799 | 14.90 0.48 0.00 | 13.75 0.48 0.00 | 13.82 0.48 0.00 | 14.32 0.50 0.00 | 15.82 0.53 0.00 | 16.96 0.55 0.00 | 22.91 0.61 0.00 | 23.71 0.67 0.00 | 26.95 0.80 0.00 | 26.48 0.83 0.00 | 26.02 0.68 0.00 | 31.02 0.77 0.00 | 29.20 0.78 0.00 | 27.01 0.73 0.00 | 26.40 0.71 0.00 | 29.66 0.80 0.00 | 33.60 0.91 0.00 | 30.85 0.96 0.00 | 33.58 0.96 0.00 | 30.38 0.80 0.00 | 29.30 0.70 0.00 | 31.05 0.58 0.00 | 31.58 0.47 0.00 | 25.30 0.45 0.00 |

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|--------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|
| SENECA OSWGO___HYD 24041 | 14.18 -0.23 0.00 | 13.07 -0.20 0.00 | 13.13 -0.21 0.00 | 13.62 -0.20 0.00 | 15.06 -0.23 0.00 | 16.11 -0.29 0.00 | 21.78 -0.51 0.00 | 22.51 -0.54 0.00 | 25.50 -0.64 0.00 | 25.01 -0.64 0.00 | 24.70 -0.64 0.00 | 29.52 -0.73 0.00 | 27.78 -0.64 0.00 | 25.71 -0.57 0.00 | 25.12 -0.57 0.00 | 28.18 -0.67 0.00 | 31.93 -0.75 0.00 | 29.29 -0.61 0.00 | 32.00 -0.61 0.00 | 28.93 -0.65 0.00 | 27.97 -0.63 0.00 | 29.74 -0.74 0.00 | 30.36 -0.75 0.00 | 24.34 -0.51 0.00 |
| SENECA___115KV_TB3 355854 | 12.44 -1.00 0.97 | 12.23 -0.90 0.13 | 12.37 -0.97 0.00 | 12.99 -0.83 0.00 | 14.55 -0.73 0.00 | 15.54 -0.86 0.00 | 20.94 -1.36 0.00 | 21.46 -1.58 0.00 | 24.28 -1.87 0.00 | 23.97 -1.68 0.00 | 23.66 -1.68 0.00 | 28.35 -1.90 0.00 | 26.87 -1.55 0.00 | 24.87 -1.41 0.00 | 24.50 -1.19 0.00 | 27.50 -1.36 0.00 | 31.26 -1.42 0.00 | 28.05 -1.85 0.00 | 30.70 -1.91 0.00 | 27.57 -2.01 0.00 | 27.09 -1.52 0.00 | 28.83 -1.64 0.00 | 29.65 -1.46 0.00 | 24.23 -0.62 0.00 |
| SENECA___ENERGY 23797 | 13.73 -0.33 0.35 | 12.93 -0.29 0.05 | 13.01 -0.33 0.00 | 13.53 -0.29 0.00 | 15.05 -0.24 0.00 | 16.11 -0.29 0.00 | 21.84 -0.46 0.00 | 22.64 -0.41 0.00 | 25.56 -0.58 0.00 | 25.11 -0.54 0.00 | 24.85 -0.49 0.00 | 29.66 -0.59 0.00 | 28.00 -0.42 0.00 | 25.84 -0.44 0.00 | 25.26 -0.42 0.00 | 28.34 -0.51 0.00 | 32.13 -0.55 0.00 | 29.42 -0.48 0.00 | 32.24 -0.38 0.00 | 29.04 -0.53 0.00 | 28.13 -0.47 0.00 | 29.87 -0.61 0.00 | 30.41 -0.70 0.00 | 24.47 -0.38 0.00 |
| SHOEMAKER___GT 23640 | 15.29 0.88 0.00 | 14.05 0.78 0.00 | 14.12 0.78 0.00 | 14.62 0.80 0.00 | 16.16 0.87 0.00 | 17.31 0.91 0.00 | 23.53 1.23 0.00 | 24.47 1.42 0.00 | 27.80 1.65 0.00 | 27.33 1.69 0.00 | 26.87 1.53 0.00 | 32.03 1.78 0.00 | 30.13 1.71 0.00 | 27.96 1.68 0.00 | 27.29 1.61 0.00 | 30.60 1.74 0.00 | 34.63 1.95 0.00 | 32.08 2.18 0.00 | 34.99 2.37 0.00 | 31.59 2.02 0.00 | 30.39 1.79 0.00 | 32.01 1.53 0.00 | 32.49 1.38 0.00 | 26.00 1.14 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 15.28 0.87 0.00 | 14.04 0.77 0.00 | 14.11 0.77 0.00 | 14.61 0.79 0.00 | 16.15 0.86 0.00 | 17.30 0.90 0.00 | 23.52 1.22 0.00 | 24.45 1.40 0.00 | 27.77 1.63 0.00 | 27.30 1.66 0.00 | 26.85 1.51 0.00 | 32.01 1.76 0.00 | 30.10 1.69 0.00 | 27.94 1.66 0.00 | 27.27 1.58 0.00 | 30.57 1.71 0.00 | 34.60 1.91 0.00 | 32.05 2.16 0.00 | 34.95 2.34 0.00 | 31.57 2.00 0.00 | 30.36 1.76 0.00 | 31.98 1.51 0.00 | 32.45 1.34 0.00 | 25.98 1.13 0.00 |
| SHOREHAM_IC_1 23715 | 15.42 1.01 0.00 | 14.21 0.94 0.00 | 14.24 0.90 0.00 | 14.69 0.87 0.00 | 16.18 0.90 0.00 | 17.35 0.95 0.00 | 23.74 1.44 0.00 | 24.41 1.37 0.00 | 28.23 2.09 0.00 | 27.43 1.79 0.00 | 27.14 1.80 0.00 | 32.40 2.15 0.00 | 30.30 1.88 0.00 | 28.37 2.09 0.00 | 27.67 1.98 0.00 | 30.98 2.12 0.00 | 35.14 2.46 0.00 | 32.52 2.62 0.00 | 35.27 2.65 0.00 | 31.98 2.41 0.00 | 30.59 1.98 0.00 | 32.31 1.83 0.00 | 32.63 1.52 0.00 | 25.95 1.10 0.00 |
| SHOREHAM_IC_2 23716 | 15.42 1.01 0.00 | 14.21 0.94 0.00 | 14.24 0.90 0.00 | 14.69 0.87 0.00 | 16.18 0.90 0.00 | 17.35 0.95 0.00 | 23.74 1.44 0.00 | 24.41 1.37 0.00 | 28.23 2.09 0.00 | 27.43 1.79 0.00 | 27.14 1.80 0.00 | 32.40 2.15 0.00 | 30.30 1.88 0.00 | 28.37 2.09 0.00 | 27.67 1.98 0.00 | 30.98 2.12 0.00 | 35.14 2.46 0.00 | 32.52 2.62 0.00 | 35.27 2.65 0.00 | 31.98 2.41 0.00 | 30.59 1.98 0.00 | 32.31 1.83 0.00 | 32.63 1.52 0.00 | 25.95 1.10 0.00 |
| SISSONVILLE___ 23735 | 16.26 -0.38 -2.22 | 17.03 -0.40 -4.16 | 15.58 -0.36 -2.60 | 17.73 -0.38 -4.29 | 16.71 -0.42 -1.84 | 16.09 -0.31 0.00 | 22.08 -0.22 0.00 | 22.79 -0.26 0.00 | 25.76 -0.39 0.00 | 25.43 -0.21 0.00 | 25.26 -0.08 0.00 | 30.20 -0.05 0.00 | 28.35 -0.06 0.00 | 26.10 -0.18 0.00 | 25.46 -0.23 0.00 | 28.59 -0.27 0.00 | 32.08 -0.61 0.00 | 29.10 -0.80 0.00 | 31.80 -0.81 0.00 | 29.31 -0.26 0.00 | 28.60 0.00 0.00 | 30.78 0.31 0.00 | 31.52 0.42 0.00 | 25.04 0.19 0.00 |
| SITHE_IND_GS1 24169 | 14.09 -0.32 0.00 | 12.98 -0.29 0.00 | 13.03 -0.30 0.00 | 13.52 -0.30 0.00 | 14.94 -0.35 0.00 | 15.97 -0.43 0.00 | 21.57 -0.73 0.00 | 22.28 -0.76 0.00 | 25.27 -0.88 0.00 | 24.78 -0.86 0.00 | 24.47 -0.87 0.00 | 29.23 -1.02 0.00 | 27.50 -0.92 0.00 | 25.44 -0.84 0.00 | 24.89 -0.80 0.00 | 27.95 -0.90 0.00 | 31.67 -1.01 0.00 | 28.97 -0.93 0.00 | 31.64 -0.98 0.00 | 28.61 -0.96 0.00 | 27.68 -0.92 0.00 | 29.45 -1.03 0.00 | 30.05 -1.06 0.00 | 24.12 -0.74 0.00 |
| SITHE_IND_GS2 24170 | 14.09 -0.32 0.00 | 12.98 -0.29 0.00 | 13.03 -0.30 0.00 | 13.52 -0.30 0.00 | 14.94 -0.35 0.00 | 15.97 -0.43 0.00 | 21.57 -0.73 0.00 | 22.28 -0.76 0.00 | 25.27 -0.88 0.00 | 24.78 -0.86 0.00 | 24.47 -0.87 0.00 | 29.23 -1.02 0.00 | 27.50 -0.92 0.00 | 25.44 -0.84 0.00 | 24.89 -0.80 0.00 | 27.95 -0.90 0.00 | 31.67 -1.01 0.00 | 28.97 -0.93 0.00 | 31.64 -0.98 0.00 | 28.61 -0.96 0.00 | 27.68 -0.92 0.00 | 29.45 -1.03 0.00 | 30.05 -1.06 0.00 | 24.12 -0.74 0.00 |
| SITHE_IND_GS3 24171 | 14.09 -0.32 0.00 | 12.98 -0.29 0.00 | 13.03 -0.30 0.00 | 13.52 -0.30 0.00 | 14.94 -0.35 0.00 | 15.97 -0.43 0.00 | 21.57 -0.73 0.00 | 22.28 -0.76 0.00 | 25.27 -0.88 0.00 | 24.78 -0.86 0.00 | 24.47 -0.87 0.00 | 29.23 -1.02 0.00 | 27.50 -0.92 0.00 | 25.44 -0.84 0.00 | 24.89 -0.80 0.00 | 27.95 -0.90 0.00 | 31.67 -1.01 0.00 | 28.97 -0.93 0.00 | 31.64 -0.98 0.00 | 28.61 -0.96 0.00 | 27.68 -0.92 0.00 | 29.45 -1.03 0.00 | 30.05 -1.06 0.00 | 24.12 -0.74 0.00 |
| SITHE_IND_GS4 24172 | 14.09 -0.32 0.00 | 12.98 -0.29 0.00 | 13.03 -0.30 0.00 | 13.52 -0.30 0.00 | 14.94 -0.35 0.00 | 15.97 -0.43 0.00 | 21.57 -0.73 0.00 | 22.28 -0.76 0.00 | 25.27 -0.88 0.00 | 24.78 -0.86 0.00 | 24.47 -0.87 0.00 | 29.23 -1.02 0.00 | 27.50 -0.92 0.00 | 25.44 -0.84 0.00 | 24.89 -0.80 0.00 | 27.95 -0.90 0.00 | 31.67 -1.01 0.00 | 28.97 -0.93 0.00 | 31.64 -0.98 0.00 | 28.61 -0.96 0.00 | 27.68 -0.92 0.00 | 29.45 -1.03 0.00 | 30.05 -1.06 0.00 | 24.12 -0.74 0.00 |
| SITHE___BATAVIA 24024 | 12.44 -0.81 1.16 | 11.57 -0.74 0.95 | 11.87 -0.82 0.66 | 12.33 -0.68 0.81 | 13.59 -0.59 1.11 | 15.03 -0.66 0.72 | 19.76 -1.01 1.53 | 19.75 -1.23 2.06 | 19.88 -1.48 4.78 | 20.72 -1.43 3.50 | 20.41 -1.62 3.30 | 26.97 -1.95 1.32 | 25.62 -1.66 1.14 | 23.52 -1.53 1.23 | 21.71 -1.32 2.66 | 24.21 -1.31 3.34 | 29.58 -1.36 1.74 | 26.73 -1.60 1.57 | 29.19 -1.53 1.89 | 26.38 -1.60 1.59 | 25.09 -1.23 2.28 | 26.22 -1.45 2.81 | 21.39 -1.29 8.43 | 14.04 -0.52 10.29 |
| SITHE___INDEPEND 23800 | 14.09 -0.32 0.00 | 12.98 -0.29 0.00 | 13.03 -0.30 0.00 | 13.52 -0.30 0.00 | 14.94 -0.35 0.00 | 15.97 -0.43 0.00 | 21.57 -0.73 0.00 | 22.28 -0.76 0.00 | 25.27 -0.88 0.00 | 24.78 -0.86 0.00 | 24.47 -0.87 0.00 | 29.23 -1.02 0.00 | 27.50 -0.92 0.00 | 25.44 -0.84 0.00 | 24.89 -0.79 0.00 | 27.95 -0.90 0.00 | 31.67 -1.01 0.00 | 28.97 -0.93 0.00 | 31.64 -0.98 0.00 | 28.61 -0.97 0.00 | 27.68 -0.92 0.00 | 29.44 -1.03 0.00 | 30.05 -1.06 0.00 | 24.12 -0.74 0.00 |
| SITHE___MASSENA 23902 | 14.61 -0.21 -0.41 | 12.86 -0.24 0.18 | 11.33 -0.21 1.79 | 14.28 -0.22 -0.68 | 15.39 -0.23 -0.34 | 16.24 -0.16 0.00 | 22.24 -0.06 0.00 | 22.94 -0.10 0.00 | 26.00 -0.15 0.00 | 25.56 -0.09 0.00 | 25.37 0.03 0.00 | 30.30 0.05 0.00 | 28.41 0.00 0.00 | 26.19 -0.09 0.00 | 25.57 -0.11 0.00 | 28.76 -0.10 0.00 | 32.51 -0.17 0.00 | 29.47 -0.43 0.00 | 32.18 -0.43 0.00 | 29.39 -0.18 0.00 | 28.60 -0.01 0.00 | 30.73 0.26 0.00 | 31.47 0.36 0.00 | 25.02 0.17 0.00 |

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| SITHE___OGDNSBRG 24021 | 15.81 -0.12 -1.52 | 15.59 -0.15 -2.48 | 14.11 -0.12 -0.89 | 16.59 -0.12 -2.89 | 16.42 -0.12 -1.26 | 16.40 0.00 0.00 | 22.54 0.24 0.00 | 23.24 0.20 0.00 | 26.20 0.06 0.00 | 25.75 0.10 0.00 | 25.53 0.19 0.00 | 30.52 0.26 0.00 | 28.64 0.22 0.00 | 26.38 0.10 0.00 | 25.68 0.00 0.00 | 28.93 0.08 0.00 | 32.63 -0.05 0.00 | 29.70 -0.19 0.00 | 32.54 -0.08 0.00 | 29.84 0.27 0.00 | 29.06 0.45 0.00 | 31.24 0.76 0.00 | 31.96 0.85 0.00 | 25.36 0.50 0.00 |
| SITHE___STERLING 23777 | 14.66 0.24 0.00 | 13.50 0.23 0.00 | 13.57 0.23 0.00 | 14.07 0.25 0.00 | 15.58 0.30 0.00 | 16.72 0.32 0.00 | 22.78 0.48 0.00 | 23.59 0.54 0.00 | 26.73 0.59 0.00 | 26.20 0.55 0.00 | 25.95 0.61 0.00 | 31.08 0.83 0.00 | 29.14 0.73 0.00 | 26.96 0.68 0.00 | 26.43 0.74 0.00 | 29.75 0.89 0.00 | 33.75 1.07 0.00 | 30.90 1.00 0.00 | 33.73 1.12 0.00 | 30.52 0.95 0.00 | 29.48 0.87 0.00 | 31.31 0.84 0.00 | 31.93 0.82 0.00 | 25.51 0.66 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 13.49 -0.54 0.38 | 12.73 -0.49 0.05 | 12.80 -0.54 0.00 | 13.33 -0.49 0.00 | 14.84 -0.45 0.00 | 15.90 -0.50 0.00 | 21.51 -0.79 0.00 | 22.20 -0.85 0.00 | 25.14 -1.01 0.00 | 24.71 -0.93 0.00 | 24.37 -0.96 0.00 | 29.11 -1.14 0.00 | 27.44 -0.97 0.00 | 25.38 -0.90 0.00 | 24.87 -0.81 0.00 | 27.95 -0.90 0.00 | 31.76 -0.92 0.00 | 28.92 -0.97 0.00 | 31.68 -0.94 0.00 | 28.56 -1.01 0.00 | 27.72 -0.88 0.00 | 29.41 -1.07 0.00 | 29.99 -1.12 0.00 | 24.16 -0.70 0.00 |
| SOUTH CAIRO___GT 23612 | 15.37 0.96 0.00 | 14.21 0.94 0.00 | 14.28 0.94 0.00 | 14.82 1.00 0.00 | 16.39 1.10 0.00 | 17.60 1.20 0.00 | 23.87 1.57 0.00 | 24.71 1.67 0.00 | 28.12 1.97 0.00 | 27.63 1.98 0.00 | 27.13 1.80 0.00 | 32.36 2.11 0.00 | 30.41 1.99 0.00 | 28.11 1.83 0.00 | 27.51 1.82 0.00 | 30.96 2.11 0.00 | 35.19 2.51 0.00 | 32.29 2.40 0.00 | 35.18 2.56 0.00 | 31.74 2.17 0.00 | 30.57 1.97 0.00 | 32.38 1.91 0.00 | 32.81 1.70 0.00 | 26.24 1.39 0.00 |
| SOUTH HAMPTN___IC 23720 | 15.54 1.12 0.00 | 14.31 1.04 0.00 | 14.33 1.00 0.00 | 14.79 0.96 0.00 | 16.29 1.00 0.00 | 17.47 1.07 0.00 | 23.92 1.63 0.00 | 24.65 1.61 0.00 | 28.46 2.32 0.00 | 27.69 2.04 0.00 | 27.36 2.02 0.00 | 32.64 2.39 0.00 | 30.53 2.11 0.00 | 28.56 2.28 0.00 | 27.88 2.20 0.00 | 31.17 2.32 0.00 | 35.34 2.66 0.00 | 32.71 2.82 0.00 | 35.50 2.88 0.00 | 32.16 2.59 0.00 | 30.77 2.16 0.00 | 32.46 1.99 0.00 | 32.78 1.67 0.00 | 26.08 1.23 0.00 |
| SOUTHDOW__115KV_TB1 355954 | 12.48 -0.71 1.23 | 12.41 -0.69 0.17 | 12.76 -0.58 0.00 | 13.35 -0.48 0.00 | 14.86 -0.42 0.00 | 15.97 -0.43 0.00 | 21.69 -0.61 0.00 | 22.22 -0.83 0.00 | 25.02 -1.12 0.00 | 24.74 -0.91 0.00 | 24.63 -0.71 0.00 | 29.74 -0.51 0.00 | 28.34 -0.08 0.00 | 26.25 -0.03 0.00 | 25.79 0.11 0.00 | 28.90 0.05 0.00 | 32.84 0.16 0.00 | 29.46 -0.44 0.00 | 32.03 -0.59 0.00 | 28.74 -0.83 0.00 | 28.40 -0.21 0.00 | 30.29 -0.18 0.00 | 30.98 -0.12 0.00 | 25.21 0.36 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 15.67 1.25 0.00 | 14.42 1.16 0.00 | 14.44 1.10 0.00 | 14.89 1.07 0.00 | 16.40 1.11 0.00 | 17.60 1.20 0.00 | 24.15 1.86 0.00 | 24.93 1.89 0.00 | 28.79 2.64 0.00 | 27.97 2.32 0.00 | 27.58 2.25 0.00 | 32.90 2.65 0.00 | 30.74 2.32 0.00 | 28.73 2.45 0.00 | 28.08 2.40 0.00 | 31.34 2.49 0.00 | 35.54 2.86 0.00 | 32.93 3.03 0.00 | 35.72 3.11 0.00 | 32.37 2.80 0.00 | 30.96 2.35 0.00 | 32.61 2.14 0.00 | 32.91 1.80 0.00 | 26.16 1.30 0.00 |
| SOUTHOLD___IC 23719 | 15.67 1.25 0.00 | 14.42 1.16 0.00 | 14.44 1.10 0.00 | 14.89 1.07 0.00 | 16.40 1.12 0.00 | 17.60 1.20 0.00 | 24.15 1.86 0.00 | 24.93 1.89 0.00 | 28.79 2.65 0.00 | 27.97 2.32 0.00 | 27.59 2.25 0.00 | 32.90 2.65 0.00 | 30.73 2.32 0.00 | 28.73 2.45 0.00 | 28.09 2.40 0.00 | 31.34 2.49 0.00 | 35.55 2.86 0.00 | 32.93 3.03 0.00 | 35.73 3.11 0.00 | 32.36 2.79 0.00 | 30.95 2.35 0.00 | 32.61 2.14 0.00 | 32.91 1.80 0.00 | 26.16 1.30 0.00 |
| SOUTH_FORK_WT_PWR 323839 | 15.64 1.23 0.00 | 14.40 1.14 0.00 | 14.41 1.07 0.00 | 14.85 1.03 0.00 | 16.35 1.06 0.00 | 17.56 1.16 0.00 | 24.11 1.81 0.00 | 24.90 1.85 0.00 | 28.75 2.60 0.00 | 27.89 2.25 0.00 | 27.49 2.15 0.00 | 32.77 2.52 0.00 | 30.57 2.16 0.00 | 28.56 2.28 0.00 | 27.96 2.27 0.00 | 31.16 2.31 0.00 | 35.32 2.64 0.00 | 32.73 2.83 0.00 | 35.51 2.89 0.00 | 32.16 2.59 0.00 | 30.76 2.16 0.00 | 32.42 1.95 0.00 | 32.70 1.59 0.00 | 25.98 1.13 0.00 |
| SPIERFLS_115KV_TB 1 80737 | 14.95 0.54 0.00 | 13.75 0.48 0.00 | 13.83 0.50 0.00 | 14.35 0.52 0.00 | 15.86 0.58 0.00 | 17.07 0.67 0.00 | 23.12 0.82 0.00 | 23.87 0.82 0.00 | 27.16 1.02 0.00 | 26.73 1.08 0.00 | 26.21 0.87 0.00 | 31.47 1.22 0.00 | 29.65 1.24 0.00 | 27.54 1.26 0.00 | 26.91 1.23 0.00 | 30.17 1.32 0.00 | 34.38 1.69 0.00 | 31.68 1.78 0.00 | 34.45 1.84 0.00 | 31.12 1.55 0.00 | 29.99 1.38 0.00 | 31.80 1.33 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| ST LAWRENCE____ 23600 | 14.07 -0.35 0.00 | 11.77 -0.35 1.15 | 10.23 -0.33 2.78 | 13.34 -0.35 0.13 | 14.91 -0.38 0.00 | 16.08 -0.32 0.00 | 22.01 -0.29 0.00 | 22.71 -0.33 0.00 | 25.76 -0.39 0.00 | 25.30 -0.34 0.00 | 25.12 -0.22 0.00 | 30.00 -0.24 0.00 | 28.13 -0.29 0.00 | 25.94 -0.34 0.00 | 25.33 -0.35 0.00 | 28.48 -0.37 0.00 | 32.25 -0.44 0.00 | 29.24 -0.66 0.00 | 31.91 -0.70 0.00 | 29.11 -0.47 0.00 | 28.31 -0.30 0.00 | 30.41 -0.06 0.00 | 31.13 0.02 0.00 | 24.76 -0.09 0.00 |
| STATE_CA_115KV_115_LB 55624 | 15.04 0.62 0.00 | 13.89 0.62 0.00 | 13.96 0.62 0.00 | 14.46 0.64 0.00 | 15.97 0.69 0.00 | 17.14 0.73 0.00 | 23.13 0.84 0.00 | 23.94 0.89 0.00 | 27.23 1.08 0.00 | 26.77 1.13 0.00 | 26.29 0.95 0.00 | 31.34 1.09 0.00 | 29.52 1.11 0.00 | 27.30 1.02 0.00 | 26.68 1.00 0.00 | 29.97 1.12 0.00 | 33.98 1.30 0.00 | 31.19 1.30 0.00 | 33.92 1.30 0.00 | 30.68 1.10 0.00 | 29.57 0.96 0.00 | 31.33 0.86 0.00 | 31.82 0.71 0.00 | 25.50 0.65 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 14.72 0.00 -0.31 | 13.32 0.01 -0.04 | 13.28 -0.06 0.00 | 13.79 -0.03 0.00 | 15.34 0.05 0.00 | 16.40 0.00 0.00 | 22.17 -0.12 0.00 | 22.94 -0.10 0.00 | 26.04 -0.11 0.00 | 25.58 -0.06 0.00 | 25.28 -0.06 0.00 | 30.16 -0.09 0.00 | 28.40 -0.02 0.00 | 26.31 0.03 0.00 | 25.70 0.01 0.00 | 28.86 0.00 0.00 | 32.75 0.07 0.00 | 30.00 0.10 0.00 | 32.80 0.19 0.00 | 29.58 0.01 0.00 | 28.66 0.06 0.00 | 30.40 -0.07 0.00 | 30.98 -0.13 0.00 | 24.88 0.03 0.00 |
| STATION 5_MISC_HYD 23604 | 12.84 -0.69 0.89 | 12.02 -0.62 0.63 | 12.25 -0.67 0.41 | 12.72 -0.59 0.51 | 14.05 -0.54 0.70 | 15.34 -0.61 0.45 | 20.35 -0.97 0.97 | 20.64 -1.11 1.30 | 21.82 -1.32 3.00 | 22.21 -1.24 2.20 | 21.96 -1.31 2.07 | 27.88 -1.54 0.83 | 26.39 -1.32 0.71 | 24.32 -1.19 0.77 | 22.97 -1.05 1.67 | 25.63 -1.12 2.09 | 30.40 -1.19 1.09 | 27.57 -1.34 0.98 | 30.09 -1.33 1.19 | 27.20 -1.38 1.00 | 26.03 -1.14 1.43 | 27.39 -1.33 1.76 | 24.52 -1.30 5.29 | 17.67 -0.73 6.45 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 13.27 -0.44 0.69 | 12.77 -0.40 0.10 | 12.90 -0.44 0.00 | 13.45 -0.37 0.00 | 14.97 -0.31 0.00 | 16.05 -0.35 0.00 | 21.73 -0.57 0.00 | 22.45 -0.60 0.00 | 25.37 -0.78 0.00 | 24.92 -0.72 0.00 | 24.58 -0.76 0.00 | 29.37 -0.88 0.00 | 27.71 -0.71 0.00 | 25.61 -0.67 0.00 | 25.10 -0.58 0.00 | 28.23 -0.62 0.00 | 32.06 -0.62 0.00 | 29.21 -0.69 0.00 | 32.02 -0.59 0.00 | 28.84 -0.73 0.00 | 28.01 -0.60 0.00 | 29.72 -0.75 0.00 | 30.30 -0.82 0.00 | 24.42 -0.43 0.00 |

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| STA_56___34_KV_BUS2_REV_LBMP_B 345033 | 13.05 -0.72 0.64 | 12.53 -0.66 0.09 | 12.63 -0.71 0.00 | 13.19 -0.63 0.00 | 14.69 -0.60 0.00 | 15.74 -0.66 0.00 | 21.26 -1.04 0.00 | 21.89 -1.15 0.00 | 24.77 -1.38 0.00 | 24.34 -1.30 0.00 | 23.98 -1.36 0.00 | 28.66 -1.59 0.00 | 27.04 -1.38 0.00 | 25.03 -1.25 0.00 | 24.58 -1.10 0.00 | 27.66 -1.19 0.00 | 31.42 -1.26 0.00 | 28.50 -1.40 0.00 | 31.21 -1.40 0.00 | 28.13 -1.44 0.00 | 27.38 -1.22 0.00 | 29.07 -1.41 0.00 | 29.69 -1.42 0.00 | 23.99 -0.85 0.00 |
| STA_56___34_KV_BUS2 355983 | 13.05 -0.72 0.64 | 12.53 -0.66 0.09 | 12.63 -0.71 0.00 | 13.19 -0.63 0.00 | 14.69 -0.60 0.00 | 15.74 -0.66 0.00 | 21.26 -1.04 0.00 | 21.89 -1.15 0.00 | 24.77 -1.38 0.00 | 24.34 -1.30 0.00 | 23.98 -1.36 0.00 | 28.66 -1.59 0.00 | 27.04 -1.38 0.00 | 25.03 -1.25 0.00 | 24.58 -1.10 0.00 | 27.66 -1.19 0.00 | 31.42 -1.26 0.00 | 28.50 -1.40 0.00 | 31.21 -1.40 0.00 | 28.13 -1.44 0.00 | 27.38 -1.22 0.00 | 29.07 -1.41 0.00 | 29.69 -1.42 0.00 | 23.99 -0.85 0.00 |
| STA_67___115KV_BK2 355882 | 13.06 -0.71 0.64 | 12.54 -0.64 0.09 | 12.64 -0.70 0.00 | 13.21 -0.61 0.00 | 14.72 -0.57 0.00 | 15.76 -0.64 0.00 | 21.28 -1.02 0.00 | 21.89 -1.15 0.00 | 24.76 -1.39 0.00 | 24.34 -1.30 0.00 | 23.97 -1.37 0.00 | 28.65 -1.60 0.00 | 27.04 -1.37 0.00 | 25.03 -1.25 0.00 | 24.58 -1.10 0.00 | 27.66 -1.19 0.00 | 31.42 -1.26 0.00 | 28.46 -1.43 0.00 | 31.19 -1.42 0.00 | 28.11 -1.46 0.00 | 27.38 -1.22 0.00 | 29.08 -1.39 0.00 | 29.73 -1.38 0.00 | 24.06 -0.80 0.00 |
| STA_7___115KV_9TRANS 80674 | 13.13 -0.63 0.65 | 12.60 -0.58 0.09 | 12.71 -0.63 0.00 | 13.28 -0.54 0.00 | 14.80 -0.49 0.00 | 15.84 -0.56 0.00 | 21.41 -0.89 0.00 | 22.03 -1.01 0.00 | 24.92 -1.23 0.00 | 24.50 -1.15 0.00 | 24.12 -1.22 0.00 | 28.83 -1.42 0.00 | 27.21 -1.21 0.00 | 25.19 -1.09 0.00 | 24.74 -0.94 0.00 | 27.86 -0.99 0.00 | 31.64 -1.04 0.00 | 28.68 -1.22 0.00 | 31.44 -1.18 0.00 | 28.33 -1.24 0.00 | 27.58 -1.02 0.00 | 29.28 -1.19 0.00 | 29.92 -1.19 0.00 | 24.20 -0.65 0.00 |
| STA_82___115KV_TB1 80780 | 13.05 -0.70 0.66 | 12.54 -0.64 0.09 | 12.64 -0.70 0.00 | 13.21 -0.61 0.00 | 14.72 -0.56 0.00 | 15.77 -0.63 0.00 | 21.29 -1.01 0.00 | 21.90 -1.15 0.00 | 24.77 -1.37 0.00 | 24.35 -1.29 0.00 | 23.98 -1.36 0.00 | 28.66 -1.59 0.00 | 27.05 -1.37 0.00 | 25.04 -1.24 0.00 | 24.59 -1.09 0.00 | 27.67 -1.18 0.00 | 31.43 -1.25 0.00 | 28.48 -1.41 0.00 | 31.21 -1.40 0.00 | 28.13 -1.45 0.00 | 27.40 -1.20 0.00 | 29.09 -1.38 0.00 | 29.74 -1.37 0.00 | 24.06 -0.79 0.00 |
| STEEL___WIND 323596 | 11.86 -1.02 1.53 | 10.98 -0.92 1.37 | 11.40 -0.98 0.96 | 11.80 -0.85 1.18 | 12.91 -0.76 1.62 | 14.48 -0.88 1.05 | 18.67 -1.38 2.24 | 18.42 -1.61 3.02 | 17.26 -1.88 7.01 | 18.82 -1.70 5.13 | 18.80 -1.70 4.84 | 26.38 -1.93 1.94 | 25.17 -1.58 1.67 | 23.05 -1.43 1.80 | 20.57 -1.23 3.89 | 22.58 -1.38 4.89 | 28.66 -1.47 2.56 | 25.74 -1.85 2.30 | 27.91 -1.93 2.78 | 25.22 -2.03 2.33 | 23.75 -1.50 3.35 | 24.70 -1.65 4.12 | 17.32 -1.43 12.37 | 9.16 -0.59 15.10 |
| STEPHTWN_115KV_BK_2 55603 | 15.05 0.64 0.00 | 13.91 0.64 0.00 | 13.99 0.65 0.00 | 14.48 0.66 0.00 | 16.00 0.72 0.00 | 17.18 0.77 0.00 | 23.24 0.94 0.00 | 24.06 1.02 0.00 | 27.33 1.18 0.00 | 26.87 1.23 0.00 | 26.38 1.04 0.00 | 31.43 1.19 0.00 | 29.58 1.16 0.00 | 27.36 1.08 0.00 | 26.74 1.06 0.00 | 30.04 1.19 0.00 | 34.08 1.39 0.00 | 31.32 1.42 0.00 | 34.13 1.52 0.00 | 30.83 1.26 0.00 | 29.76 1.15 0.00 | 31.50 1.02 0.00 | 31.93 0.82 0.00 | 25.57 0.72 0.00 |
| STEUBEN_REC_LFGE 323667 | 9.14 -0.88 4.39 | 11.84 -0.82 0.61 | 12.45 -0.89 0.00 | 13.20 -0.62 0.00 | 14.93 -0.36 0.00 | 15.83 -0.57 0.00 | 21.71 -0.58 0.00 | 22.79 -0.25 0.00 | 25.80 -0.34 0.00 | 25.44 -0.21 0.00 | 25.36 0.02 0.00 | 30.34 0.08 0.00 | 28.73 0.32 0.00 | 26.57 0.29 0.00 | 25.98 0.29 0.00 | 29.05 0.19 0.00 | 32.68 -0.01 0.00 | 29.88 -0.02 0.00 | 32.82 0.21 0.00 | 29.27 -0.31 0.00 | 28.30 -0.30 0.00 | 30.19 -0.29 0.00 | 30.97 -0.14 0.00 | 25.09 0.24 0.00 |
| STILLWATER___SOLAR 323814 | 15.01 0.61 0.00 | 13.84 0.57 0.00 | 13.92 0.58 0.00 | 14.43 0.61 0.00 | 15.94 0.66 0.00 | 17.13 0.73 0.00 | 23.22 0.93 0.00 | 24.03 0.98 0.00 | 27.29 1.15 0.00 | 26.61 0.96 0.00 | 26.07 0.73 0.00 | 31.28 1.03 0.00 | 29.56 1.14 0.00 | 27.36 1.08 0.00 | 26.75 1.06 0.00 | 30.04 1.19 0.00 | 34.12 1.44 0.00 | 31.36 1.46 0.00 | 34.12 1.50 0.00 | 30.85 1.27 0.00 | 29.75 1.14 0.00 | 31.54 1.07 0.00 | 31.98 0.87 0.00 | 25.61 0.76 0.00 |
| STONY___BROOK 24151 | 15.47 1.05 0.00 | 14.22 0.95 0.00 | 14.26 0.92 0.00 | 14.71 0.89 0.00 | 16.22 0.93 0.00 | 17.38 0.98 0.00 | 23.74 1.44 0.00 | 24.56 1.51 0.00 | 28.22 2.08 0.00 | 27.60 1.96 0.00 | 27.28 1.94 0.00 | 32.49 2.24 0.00 | 30.47 2.05 0.00 | 28.48 2.20 0.00 | 27.80 2.12 0.00 | 31.08 2.23 0.00 | 35.22 2.54 0.00 | 32.59 2.70 0.00 | 35.44 2.83 0.00 | 32.07 2.50 0.00 | 30.74 2.14 0.00 | 32.38 1.91 0.00 | 32.73 1.62 0.00 | 26.10 1.24 0.00 |
| STURGEON_POOL_HYD 23609 | 15.14 0.73 0.00 | 13.92 0.65 0.00 | 13.99 0.65 0.00 | 14.47 0.65 0.00 | 15.97 0.69 0.00 | 17.10 0.70 0.00 | 23.24 0.94 0.00 | 24.16 1.12 0.00 | 27.45 1.30 0.00 | 26.95 1.31 0.00 | 26.48 1.15 0.00 | 31.52 1.28 0.00 | 29.65 1.24 0.00 | 27.53 1.25 0.00 | 26.85 1.17 0.00 | 30.09 1.24 0.00 | 34.06 1.38 0.00 | 31.61 1.72 0.00 | 34.51 1.89 0.00 | 31.20 1.63 0.00 | 29.97 1.37 0.00 | 31.55 1.08 0.00 | 32.03 0.92 0.00 | 25.64 0.79 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 15.16 0.75 0.00 | 13.93 0.66 0.00 | 14.00 0.66 0.00 | 14.50 0.67 0.00 | 16.01 0.73 0.00 | 17.15 0.75 0.00 | 23.31 1.01 0.00 | 24.22 1.18 0.00 | 27.51 1.37 0.00 | 27.03 1.38 0.00 | 26.58 1.24 0.00 | 31.69 1.44 0.00 | 29.82 1.40 0.00 | 27.67 1.39 0.00 | 27.00 1.32 0.00 | 30.26 1.41 0.00 | 34.25 1.57 0.00 | 31.71 1.81 0.00 | 34.56 1.95 0.00 | 31.23 1.66 0.00 | 30.02 1.42 0.00 | 31.63 1.16 0.00 | 32.13 1.02 0.00 | 25.74 0.88 0.00 |
| SWANROAD_115KV_TB1 355699 | 12.11 -1.44 0.86 | 11.85 -1.30 0.12 | 11.94 -1.40 0.00 | 12.55 -1.27 0.00 | 14.06 -1.23 0.00 | 15.03 -1.38 0.00 | 20.21 -2.09 0.00 | 20.59 -2.46 0.00 | 23.30 -2.85 0.00 | 22.98 -2.66 0.00 | 22.61 -2.73 0.00 | 27.00 -3.25 0.00 | 25.55 -2.87 0.00 | 23.66 -2.62 0.00 | 23.31 -2.37 0.00 | 26.17 -2.68 0.00 | 29.78 -2.90 0.00 | 26.71 -3.19 0.00 | 29.26 -3.35 0.00 | 26.33 -3.24 0.00 | 25.86 -2.74 0.00 | 27.51 -2.96 0.00 | 28.41 -2.70 0.00 | 23.38 -1.47 0.00 |
| SYNERGY___BIOGAS 323694 | 12.44 -0.81 1.16 | 11.57 -0.74 0.95 | 11.87 -0.82 0.66 | 12.33 -0.68 0.81 | 13.59 -0.59 1.11 | 15.03 -0.66 0.72 | 19.76 -1.01 1.53 | 19.75 -1.23 2.06 | 19.88 -1.48 4.78 | 20.72 -1.43 3.50 | 20.41 -1.62 3.30 | 26.97 -1.95 1.32 | 25.62 -1.66 1.14 | 23.52 -1.53 1.23 | 21.71 -1.32 2.66 | 24.21 -1.31 3.34 | 29.58 -1.36 1.74 | 26.73 -1.60 1.57 | 29.19 -1.53 1.89 | 26.38 -1.60 1.59 | 25.09 -1.23 2.28 | 26.22 -1.45 2.81 | 21.39 -1.29 8.43 | 14.04 -0.52 10.29 |
| SYRACUSE___ENERGY_ST1 323597 | 14.36 -0.05 0.00 | 13.24 -0.03 0.00 | 13.29 -0.05 0.00 | 13.79 -0.03 0.00 | 15.26 -0.03 0.00 | 16.33 -0.07 0.00 | 22.09 -0.21 0.00 | 22.83 -0.21 0.00 | 25.88 -0.26 0.00 | 25.42 -0.22 0.00 | 25.11 -0.23 0.00 | 30.00 -0.25 0.00 | 28.22 -0.19 0.00 | 26.12 -0.16 0.00 | 25.55 -0.14 0.00 | 28.68 -0.17 0.00 | 32.49 -0.19 0.00 | 29.74 -0.15 0.00 | 32.52 -0.10 0.00 | 29.35 -0.22 0.00 | 28.40 -0.20 0.00 | 30.18 -0.30 0.00 | 30.78 -0.33 0.00 | 24.68 -0.17 0.00 |

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| SYRACUSE___ENERGY_ST2 323598 | 14.36 -0.05 0.00 | 13.24 -0.03 0.00 | 13.29 -0.05 0.00 | 13.79 -0.03 0.00 | 15.26 -0.03 0.00 | 16.33 -0.07 0.00 | 22.09 -0.21 0.00 | 22.83 -0.21 0.00 | 25.88 -0.26 0.00 | 25.42 -0.22 0.00 | 25.11 -0.23 0.00 | 30.00 -0.25 0.00 | 28.22 -0.19 0.00 | 26.12 -0.16 0.00 | 25.55 -0.14 0.00 | 28.68 -0.17 0.00 | 32.49 -0.19 0.00 | 29.74 -0.15 0.00 | 32.52 -0.10 0.00 | 29.35 -0.22 0.00 | 28.40 -0.20 0.00 | 30.18 -0.30 0.00 | 30.78 -0.33 0.00 | 24.68 -0.17 0.00 |
| SYRACUSE___POWER 24017 | 14.58 -0.07 -0.23 | 13.25 -0.05 -0.03 | 13.27 -0.07 0.00 | 13.78 -0.04 0.00 | 15.25 -0.04 0.00 | 16.31 -0.09 0.00 | 22.06 -0.24 0.00 | 22.78 -0.26 0.00 | 25.80 -0.34 0.00 | 25.33 -0.32 0.00 | 25.03 -0.31 0.00 | 29.90 -0.35 0.00 | 28.14 -0.28 0.00 | 26.05 -0.23 0.00 | 25.51 -0.17 0.00 | 28.65 -0.20 0.00 | 32.43 -0.25 0.00 | 29.69 -0.21 0.00 | 32.46 -0.15 0.00 | 29.31 -0.26 0.00 | 28.34 -0.27 0.00 | 30.12 -0.35 0.00 | 30.75 -0.36 0.00 | 24.64 -0.21 0.00 |
| TALLMAN__138KV_BK151 55660 | 15.17 0.76 0.00 | 13.93 0.66 0.00 | 14.00 0.66 0.00 | 14.49 0.67 0.00 | 16.00 0.71 0.00 | 17.14 0.73 0.00 | 23.30 1.00 0.00 | 24.22 1.18 0.00 | 27.51 1.37 0.00 | 27.02 1.38 0.00 | 26.58 1.24 0.00 | 31.69 1.44 0.00 | 29.83 1.42 0.00 | 27.70 1.42 0.00 | 27.01 1.33 0.00 | 30.26 1.41 0.00 | 34.25 1.57 0.00 | 31.72 1.83 0.00 | 34.56 1.94 0.00 | 31.23 1.66 0.00 | 30.00 1.40 0.00 | 31.60 1.12 0.00 | 32.10 0.99 0.00 | 25.72 0.87 0.00 |
| TEALLAVE_115KV_TB7 355573 | 14.28 -0.14 0.00 | 13.15 -0.12 0.00 | 13.21 -0.13 0.00 | 13.71 -0.11 0.00 | 15.17 -0.12 0.00 | 16.22 -0.18 0.00 | 21.91 -0.38 0.00 | 22.62 -0.42 0.00 | 25.64 -0.50 0.00 | 25.17 -0.48 0.00 | 24.86 -0.48 0.00 | 29.71 -0.54 0.00 | 27.97 -0.45 0.00 | 25.89 -0.39 0.00 | 25.37 -0.32 0.00 | 28.48 -0.37 0.00 | 32.24 -0.44 0.00 | 29.49 -0.41 0.00 | 32.23 -0.39 0.00 | 29.11 -0.47 0.00 | 28.15 -0.46 0.00 | 29.94 -0.53 0.00 | 30.59 -0.52 0.00 | 24.53 -0.32 0.00 |
| TELEGRAPH_34_KV_EAST 80808 | 12.54 -1.06 0.81 | 12.20 -0.96 0.11 | 12.29 -1.05 0.00 | 12.91 -0.91 0.00 | 14.45 -0.83 0.00 | 15.46 -0.94 0.00 | 20.87 -1.43 0.00 | 21.33 -1.72 0.00 | 24.12 -2.02 0.00 | 23.74 -1.91 0.00 | 23.32 -2.02 0.00 | 27.85 -2.40 0.00 | 26.34 -2.08 0.00 | 24.38 -1.90 0.00 | 24.01 -1.67 0.00 | 27.03 -1.82 0.00 | 30.73 -1.95 0.00 | 27.67 -2.22 0.00 | 30.36 -2.26 0.00 | 27.30 -2.27 0.00 | 26.76 -1.84 0.00 | 28.44 -2.03 0.00 | 29.25 -1.86 0.00 | 23.95 -0.90 0.00 |
| TEMPLE___115KV_TB 2 55572 | 14.28 -0.13 0.00 | 13.16 -0.11 0.00 | 13.21 -0.12 0.00 | 13.71 -0.11 0.00 | 15.18 -0.11 0.00 | 16.23 -0.17 0.00 | 21.93 -0.37 0.00 | 22.64 -0.40 0.00 | 25.66 -0.49 0.00 | 25.18 -0.46 0.00 | 24.88 -0.46 0.00 | 29.73 -0.52 0.00 | 27.98 -0.43 0.00 | 25.91 -0.37 0.00 | 25.38 -0.30 0.00 | 28.50 -0.35 0.00 | 32.27 -0.42 0.00 | 29.51 -0.39 0.00 | 32.25 -0.37 0.00 | 29.12 -0.45 0.00 | 28.16 -0.44 0.00 | 29.95 -0.53 0.00 | 30.60 -0.51 0.00 | 24.54 -0.32 0.00 |
| TIANA____69_KV_BK 1 55817 | 15.51 1.10 0.00 | 14.29 1.02 0.00 | 14.31 0.97 0.00 | 14.77 0.94 0.00 | 16.27 0.98 0.00 | 17.45 1.05 0.00 | 23.88 1.58 0.00 | 24.61 1.57 0.00 | 28.41 2.26 0.00 | 27.64 2.00 0.00 | 27.33 1.99 0.00 | 32.60 2.35 0.00 | 30.51 2.09 0.00 | 28.54 2.26 0.00 | 27.84 2.16 0.00 | 31.15 2.29 0.00 | 35.32 2.63 0.00 | 32.70 2.80 0.00 | 35.49 2.87 0.00 | 32.16 2.59 0.00 | 30.76 2.16 0.00 | 32.45 1.98 0.00 | 32.78 1.67 0.00 | 26.08 1.23 0.00 |
| TILDEN___115KV_TB1 80814 | 14.58 -0.07 -0.23 | 13.25 -0.05 -0.03 | 13.27 -0.07 0.00 | 13.78 -0.04 0.00 | 15.25 -0.04 0.00 | 16.31 -0.09 0.00 | 22.06 -0.24 0.00 | 22.78 -0.26 0.00 | 25.80 -0.34 0.00 | 25.33 -0.32 0.00 | 25.03 -0.31 0.00 | 29.90 -0.35 0.00 | 28.14 -0.28 0.00 | 26.05 -0.23 0.00 | 25.51 -0.17 0.00 | 28.65 -0.20 0.00 | 32.43 -0.25 0.00 | 29.69 -0.21 0.00 | 32.46 -0.15 0.00 | 29.31 -0.26 0.00 | 28.34 -0.27 0.00 | 30.12 -0.35 0.00 | 30.75 -0.36 0.00 | 24.64 -0.21 0.00 |
| TRIGEN___CC 323695 | 15.36 0.95 0.00 | 14.11 0.84 0.00 | 14.16 0.82 0.00 | 14.63 0.81 0.00 | 16.15 0.86 0.00 | 17.30 0.90 0.00 | 23.56 1.26 0.00 | 24.46 1.42 0.00 | 27.93 1.78 0.00 | 27.42 1.78 0.00 | 27.06 1.72 0.00 | 32.21 1.96 0.00 | 30.28 1.86 0.00 | 28.21 1.93 0.00 | 27.52 1.84 0.00 | 30.77 1.92 0.00 | 34.78 2.10 0.00 | 32.16 2.27 0.00 | 35.03 2.42 0.00 | 31.69 2.12 0.00 | 30.47 1.86 0.00 | 32.07 1.60 0.00 | 32.49 1.38 0.00 | 25.98 1.13 0.00 |
| TRINITY__115KV__ 4 BK 55933 | 14.98 0.56 0.00 | 13.83 0.56 0.00 | 13.90 0.56 0.00 | 14.40 0.58 0.00 | 15.91 0.62 0.00 | 17.06 0.66 0.00 | 23.02 0.72 0.00 | 23.82 0.77 0.00 | 27.08 0.94 0.00 | 26.62 0.98 0.00 | 26.13 0.79 0.00 | 31.15 0.90 0.00 | 29.33 0.91 0.00 | 27.13 0.85 0.00 | 26.52 0.83 0.00 | 29.79 0.94 0.00 | 33.76 1.08 0.00 | 30.99 1.10 0.00 | 33.70 1.09 0.00 | 30.49 0.91 0.00 | 29.40 0.79 0.00 | 31.17 0.69 0.00 | 31.66 0.55 0.00 | 25.38 0.53 0.00 |
| UNION___PROCESSING_DRP 323587 | 13.06 -0.70 0.65 | 12.54 -0.64 0.09 | 12.65 -0.69 0.00 | 13.21 -0.61 0.00 | 14.73 -0.56 0.00 | 15.77 -0.63 0.00 | 21.30 -1.00 0.00 | 21.91 -1.13 0.00 | 24.78 -1.37 0.00 | 24.36 -1.29 0.00 | 23.98 -1.35 0.00 | 28.67 -1.58 0.00 | 27.06 -1.36 0.00 | 25.04 -1.24 0.00 | 24.60 -1.09 0.00 | 27.68 -1.17 0.00 | 31.45 -1.24 0.00 | 28.49 -1.41 0.00 | 31.22 -1.40 0.00 | 28.13 -1.44 0.00 | 27.41 -1.20 0.00 | 29.11 -1.37 0.00 | 29.75 -1.36 0.00 | 24.07 -0.78 0.00 |
| UPPER HUDSON___HYD 24058 | 14.95 0.54 0.00 | 13.75 0.48 0.00 | 13.84 0.50 0.00 | 14.35 0.52 0.00 | 15.86 0.57 0.00 | 17.07 0.67 0.00 | 23.12 0.82 0.00 | 23.87 0.82 0.00 | 27.16 1.02 0.00 | 26.73 1.08 0.00 | 26.21 0.87 0.00 | 31.47 1.22 0.00 | 29.65 1.24 0.00 | 27.54 1.26 0.00 | 26.91 1.23 0.00 | 30.17 1.32 0.00 | 34.38 1.69 0.00 | 31.68 1.78 0.00 | 34.45 1.84 0.00 | 31.12 1.54 0.00 | 29.99 1.39 0.00 | 31.80 1.33 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| UPPER RAQUET___HYD 24056 | 16.26 -0.38 -2.22 | 17.03 -0.40 -4.16 | 15.58 -0.36 -2.60 | 17.73 -0.38 -4.29 | 16.71 -0.42 -1.84 | 16.10 -0.31 0.00 | 22.08 -0.22 0.00 | 22.78 -0.26 0.00 | 25.76 -0.39 0.00 | 25.43 -0.21 0.00 | 25.26 -0.08 0.00 | 30.20 -0.05 0.00 | 28.35 -0.06 0.00 | 26.10 -0.18 0.00 | 25.46 -0.23 0.00 | 28.59 -0.27 0.00 | 32.08 -0.61 0.00 | 29.10 -0.79 0.00 | 31.80 -0.81 0.00 | 29.31 -0.26 0.00 | 28.60 0.00 0.00 | 30.78 0.30 0.00 | 31.53 0.42 0.00 | 25.04 0.19 0.00 |
| VALLEY44_115KV_TB2 355964 | 12.74 -0.39 1.29 | 12.76 -0.33 0.18 | 12.99 -0.35 0.00 | 13.64 -0.18 0.00 | 15.23 -0.05 0.00 | 16.19 -0.21 0.00 | 21.75 -0.54 0.00 | 22.40 -0.65 0.00 | 25.27 -0.87 0.00 | 24.95 -0.70 0.00 | 24.73 -0.61 0.00 | 29.84 -0.41 0.00 | 28.35 -0.07 0.00 | 26.23 -0.05 0.00 | 25.81 0.12 0.00 | 28.95 0.09 0.00 | 32.63 -0.06 0.00 | 29.47 -0.42 0.00 | 32.19 -0.42 0.00 | 28.87 -0.70 0.00 | 28.17 -0.44 0.00 | 30.03 -0.45 0.00 | 30.98 -0.13 0.00 | 25.23 0.38 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 14.39 -0.02 0.00 | 13.33 0.01 -0.06 | 13.48 0.01 -0.14 | 13.84 0.01 -0.01 | 15.33 0.04 0.00 | 16.46 0.06 0.00 | 22.31 0.01 0.00 | 23.12 0.08 0.00 | 26.27 0.12 0.00 | 25.86 0.21 0.00 | 25.33 -0.01 0.00 | 30.26 0.01 0.00 | 28.46 0.04 0.00 | 26.33 0.05 0.00 | 25.63 -0.06 0.00 | 28.86 0.01 0.00 | 32.89 0.20 0.00 | 30.09 0.20 0.00 | 33.03 0.41 0.00 | 29.86 0.29 0.00 | 28.77 0.16 0.00 | 30.54 0.06 0.00 | 31.00 -0.11 0.00 | 24.79 -0.06 0.00 |

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| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 14.76 0.35 0.00 | 13.61 0.34 0.00 | 13.69 0.35 0.00 | 14.19 0.37 0.00 | 15.72 0.43 0.00 | 16.80 0.40 0.00 | 22.84 0.54 0.00 | 23.65 0.61 0.00 | 26.79 0.65 0.00 | 26.31 0.66 0.00 | 25.98 0.64 0.00 | 31.05 0.80 0.00 | 29.21 0.79 0.00 | 27.02 0.74 0.00 | 26.42 0.74 0.00 | 29.67 0.82 0.00 | 33.64 0.96 0.00 | 30.90 1.00 0.00 | 33.73 1.12 0.00 | 30.49 0.92 0.00 | 29.41 0.81 0.00 | 31.16 0.69 0.00 | 31.76 0.65 0.00 | 25.42 0.57 0.00 |
| VISCHER___FERRY HYD 24020 | 14.93 0.52 0.00 | 13.80 0.53 0.00 | 13.87 0.53 0.00 | 14.37 0.55 0.00 | 15.87 0.58 0.00 | 17.03 0.63 0.00 | 22.96 0.66 0.00 | 23.72 0.67 0.00 | 26.97 0.82 0.00 | 26.52 0.88 0.00 | 26.00 0.66 0.00 | 31.02 0.77 0.00 | 29.21 0.80 0.00 | 27.00 0.72 0.00 | 26.41 0.72 0.00 | 29.68 0.82 0.00 | 33.66 0.97 0.00 | 30.87 0.98 0.00 | 33.56 0.95 0.00 | 30.37 0.79 0.00 | 29.28 0.68 0.00 | 31.09 0.61 0.00 | 31.54 0.44 0.00 | 25.30 0.45 0.00 |
| V_A_10_SYNC_DSASP 323832 | 12.15 -1.14 1.13 | 11.27 -1.03 0.97 | 11.57 -1.09 0.68 | 12.01 -0.98 0.83 | 13.21 -0.94 1.14 | 14.60 -1.07 0.74 | 19.06 -1.66 1.58 | 19.02 -1.90 2.12 | 19.00 -2.22 4.92 | 19.96 -2.08 3.61 | 19.84 -2.10 3.40 | 26.42 -2.47 1.36 | 25.11 -2.14 1.17 | 23.06 -1.96 1.26 | 21.17 -1.78 2.74 | 23.43 -1.99 3.44 | 28.69 -2.20 1.80 | 25.86 -2.42 1.62 | 28.15 -2.52 1.95 | 25.47 -2.47 1.64 | 24.17 -2.08 2.35 | 25.30 -2.28 2.90 | 20.27 -2.15 8.68 | 12.98 -1.26 10.60 |
| V_CMM_10_SYNC_DSASP 323787 | 14.12 -0.29 0.00 | 11.82 -0.29 1.15 | 10.29 -0.28 2.78 | 13.40 -0.29 0.13 | 14.98 -0.31 0.00 | 16.15 -0.25 0.00 | 22.10 -0.19 0.00 | 22.81 -0.24 0.00 | 25.87 -0.27 0.00 | 25.41 -0.23 0.00 | 25.23 -0.11 0.00 | 30.14 -0.11 0.00 | 28.25 -0.17 0.00 | 26.05 -0.23 0.00 | 25.44 -0.24 0.00 | 28.60 -0.25 0.00 | 32.38 -0.30 0.00 | 29.36 -0.54 0.00 | 32.05 -0.56 0.00 | 29.23 -0.35 0.00 | 28.42 -0.18 0.00 | 30.54 0.06 0.00 | 31.25 0.14 0.00 | 24.85 0.01 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | -0.73 -0.70 14.43 | -21.48 -0.65 34.10 | -21.24 -0.64 33.94 | -15.57 -0.69 28.71 | 2.60 -0.74 11.95 | 15.83 -0.58 0.00 | 21.62 -0.67 0.00 | 22.32 -0.73 0.00 | 25.60 -0.55 0.00 | 25.60 -0.05 0.00 | 25.43 0.09 0.00 | 30.40 0.15 0.00 | 28.68 0.26 0.00 | 26.42 0.14 0.00 | 25.79 0.11 0.00 | 29.00 0.15 0.00 | 32.84 0.16 0.00 | 29.14 -0.75 0.00 | 31.94 -0.67 0.00 | 29.47 -0.10 0.00 | 28.84 0.23 0.00 | 31.51 1.04 0.00 | 32.23 1.12 0.00 | 25.60 0.75 0.00 |
| V_D_10_SYNC_DSASP 323841 | 14.58 -0.21 -0.39 | 12.80 -0.23 0.24 | 11.27 -0.21 1.86 | 14.23 -0.22 -0.63 | 15.37 -0.23 -0.32 | 16.24 -0.16 0.00 | 22.24 -0.06 0.00 | 22.94 -0.10 0.00 | 26.00 -0.15 0.00 | 25.56 -0.09 0.00 | 25.37 0.03 0.00 | 30.30 0.05 0.00 | 28.41 0.00 0.00 | 26.19 -0.09 0.00 | 25.57 -0.11 0.00 | 28.76 -0.10 0.00 | 32.52 -0.17 0.00 | 29.47 -0.42 0.00 | 32.18 -0.43 0.00 | 29.39 -0.18 0.00 | 28.60 -0.01 0.00 | 30.73 0.26 0.00 | 31.47 0.36 0.00 | 25.02 0.17 0.00 |
| V_E_10_SYNC_DSASP 323830 | 16.84 0.53 -1.90 | 14.47 0.64 -0.56 | 14.16 0.57 -0.25 | 14.80 0.68 -0.31 | 16.60 0.89 -0.42 | 17.50 0.82 -0.27 | 24.19 1.31 -0.58 | 25.24 1.45 -0.75 | 29.06 1.26 -1.65 | 28.10 1.24 -1.21 | 27.78 1.30 -1.14 | 32.57 1.86 -0.46 | 30.56 1.75 -0.39 | 28.26 1.56 -0.42 | 28.31 1.71 -0.92 | 32.19 2.19 -1.15 | 35.95 2.64 -0.62 | 32.87 2.40 -0.57 | 36.23 2.92 -0.69 | 32.57 2.42 -0.58 | 31.43 2.00 -0.83 | 33.41 1.91 -1.02 | 35.95 1.77 -3.06 | 29.95 1.36 -3.74 |
| V_F_30_NSYNC___DSASP 323816 | 15.03 0.61 0.00 | 13.85 0.58 0.00 | 13.93 0.59 0.00 | 14.44 0.62 0.00 | 15.96 0.67 0.00 | 17.14 0.74 0.00 | 23.23 0.94 0.00 | 24.03 0.98 0.00 | 27.31 1.16 0.00 | 26.87 1.23 0.00 | 26.38 1.04 0.00 | 31.49 1.24 0.00 | 29.61 1.19 0.00 | 27.39 1.11 0.00 | 26.79 1.11 0.00 | 30.07 1.22 0.00 | 34.17 1.49 0.00 | 31.40 1.51 0.00 | 34.17 1.56 0.00 | 30.89 1.32 0.00 | 29.79 1.19 0.00 | 31.59 1.11 0.00 | 32.04 0.93 0.00 | 25.65 0.79 0.00 |
| V_F_30_SYNC_DSASP 323786 | 15.03 0.62 0.00 | 13.89 0.62 0.00 | 13.95 0.62 0.00 | 14.46 0.64 0.00 | 15.97 0.69 0.00 | 17.14 0.73 0.00 | 23.13 0.83 0.00 | 23.93 0.89 0.00 | 27.22 1.08 0.00 | 26.77 1.13 0.00 | 26.28 0.94 0.00 | 31.34 1.09 0.00 | 29.51 1.10 0.00 | 27.30 1.02 0.00 | 26.68 0.99 0.00 | 29.97 1.12 0.00 | 33.97 1.28 0.00 | 31.18 1.29 0.00 | 33.92 1.30 0.00 | 30.67 1.10 0.00 | 29.56 0.96 0.00 | 31.33 0.86 0.00 | 31.81 0.71 0.00 | 25.50 0.65 0.00 |
| V_XM_10_SYNC_DSASP 323789 | -0.73 -0.70 14.43 | -21.48 -0.65 34.10 | -21.24 -0.64 33.94 | -15.57 -0.69 28.71 | 2.60 -0.74 11.95 | 15.83 -0.58 0.00 | 21.62 -0.67 0.00 | 22.32 -0.73 0.00 | 25.60 -0.55 0.00 | 25.60 -0.05 0.00 | 25.43 0.09 0.00 | 30.40 0.15 0.00 | 28.68 0.26 0.00 | 26.42 0.14 0.00 | 25.79 0.11 0.00 | 29.00 0.15 0.00 | 32.84 0.16 0.00 | 29.14 -0.75 0.00 | 31.94 -0.67 0.00 | 29.47 -0.10 0.00 | 28.84 0.23 0.00 | 31.51 1.04 0.00 | 32.23 1.12 0.00 | 25.60 0.75 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 15.21 0.80 0.00 | 13.97 0.70 0.00 | 14.04 0.70 0.00 | 14.53 0.71 0.00 | 16.05 0.76 0.00 | 17.19 0.79 0.00 | 23.37 1.08 0.00 | 24.31 1.27 0.00 | 27.61 1.47 0.00 | 27.12 1.48 0.00 | 26.68 1.34 0.00 | 31.81 1.56 0.00 | 29.95 1.53 0.00 | 27.81 1.53 0.00 | 27.11 1.43 0.00 | 30.38 1.52 0.00 | 34.38 1.70 0.00 | 31.84 1.95 0.00 | 34.69 2.08 0.00 | 31.35 1.78 0.00 | 30.12 1.51 0.00 | 31.71 1.24 0.00 | 32.21 1.10 0.00 | 25.80 0.95 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 15.23 0.82 0.00 | 13.98 0.71 0.00 | 14.05 0.71 0.00 | 14.54 0.71 0.00 | 16.05 0.76 0.00 | 17.16 0.76 0.00 | 23.33 1.03 0.00 | 24.32 1.27 0.00 | 27.65 1.51 0.00 | 27.19 1.55 0.00 | 26.77 1.43 0.00 | 31.90 1.65 0.00 | 30.03 1.62 0.00 | 27.91 1.63 0.00 | 27.22 1.54 0.00 | 30.51 1.65 0.00 | 34.47 1.79 0.00 | 31.92 2.02 0.00 | 34.72 2.11 0.00 | 31.40 1.83 0.00 | 30.17 1.56 0.00 | 31.70 1.22 0.00 | 32.16 1.05 0.00 | 25.75 0.89 0.00 |
| W50THST__13_KV_LOAD 356117 | 15.31 0.89 0.00 | 14.05 0.78 0.00 | 14.11 0.77 0.00 | 14.61 0.79 0.00 | 16.12 0.83 0.00 | 17.25 0.84 0.00 | 23.46 1.16 0.00 | 24.47 1.43 0.00 | 27.84 1.70 0.00 | 27.40 1.75 0.00 | 26.96 1.63 0.00 | 32.15 1.90 0.00 | 30.27 1.85 0.00 | 28.12 1.84 0.00 | 27.43 1.74 0.00 | 30.73 1.88 0.00 | 34.72 2.04 0.00 | 32.14 2.25 0.00 | 34.93 2.32 0.00 | 31.59 2.02 0.00 | 30.34 1.74 0.00 | 31.86 1.39 0.00 | 32.31 1.21 0.00 | 25.86 1.01 0.00 |
| WADING RIVER_IC_1 23522 | 15.42 1.00 0.00 | 14.20 0.93 0.00 | 14.23 0.89 0.00 | 14.68 0.86 0.00 | 16.17 0.89 0.00 | 17.34 0.94 0.00 | 23.71 1.41 0.00 | 24.41 1.36 0.00 | 28.19 2.05 0.00 | 27.42 1.78 0.00 | 27.13 1.79 0.00 | 32.37 2.12 0.00 | 30.28 1.87 0.00 | 28.35 2.07 0.00 | 27.66 1.97 0.00 | 30.95 2.10 0.00 | 35.10 2.42 0.00 | 32.48 2.58 0.00 | 35.23 2.62 0.00 | 31.95 2.38 0.00 | 30.56 1.96 0.00 | 32.27 1.79 0.00 | 32.60 1.49 0.00 | 25.95 1.09 0.00 |
| WADING RIVER_IC_2 23547 | 15.42 1.00 0.00 | 14.20 0.93 0.00 | 14.23 0.89 0.00 | 14.68 0.86 0.00 | 16.17 0.89 0.00 | 17.34 0.94 0.00 | 23.71 1.41 0.00 | 24.41 1.36 0.00 | 28.19 2.05 0.00 | 27.42 1.78 0.00 | 27.13 1.79 0.00 | 32.37 2.12 0.00 | 30.28 1.87 0.00 | 28.35 2.07 0.00 | 27.66 1.97 0.00 | 30.95 2.10 0.00 | 35.10 2.42 0.00 | 32.48 2.58 0.00 | 35.23 2.62 0.00 | 31.95 2.38 0.00 | 30.56 1.96 0.00 | 32.27 1.79 0.00 | 32.60 1.49 0.00 | 25.95 1.09 0.00 |

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| WADING RIVER_IC_3 23601 | 15.42 1.00 0.00 | 14.20 0.93 0.00 | 14.23 0.89 0.00 | 14.68 0.86 0.00 | 16.17 0.89 0.00 | 17.34 0.94 0.00 | 23.71 1.41 0.00 | 24.41 1.36 0.00 | 28.19 2.05 0.00 | 27.42 1.78 0.00 | 27.13 1.79 0.00 | 32.37 2.12 0.00 | 30.28 1.87 0.00 | 28.35 2.07 0.00 | 27.66 1.97 0.00 | 30.95 2.10 0.00 | 35.10 2.42 0.00 | 32.48 2.58 0.00 | 35.23 2.62 0.00 | 31.95 2.38 0.00 | 30.56 1.96 0.00 | 32.27 1.79 0.00 | 32.60 1.49 0.00 | 25.95 1.09 0.00 |
| WALDENNY_I2_KV_BK2 80841 | 12.44 -1.01 0.96 | 12.22 -0.92 0.13 | 12.35 -0.99 0.00 | 12.97 -0.85 0.00 | 14.53 -0.76 0.00 | 15.52 -0.88 0.00 | 20.92 -1.38 0.00 | 21.43 -1.62 0.00 | 24.25 -1.90 0.00 | 23.93 -1.71 0.00 | 23.63 -1.71 0.00 | 28.28 -1.97 0.00 | 26.81 -1.61 0.00 | 24.81 -1.47 0.00 | 24.45 -1.24 0.00 | 27.44 -1.41 0.00 | 31.20 -1.49 0.00 | 27.99 -1.91 0.00 | 30.64 -1.98 0.00 | 27.51 -2.07 0.00 | 27.03 -1.58 0.00 | 28.76 -1.71 0.00 | 29.58 -1.52 0.00 | 24.19 -0.66 0.00 |
| WALDEN___HYDRO 24148 | 15.22 0.81 0.00 | 13.99 0.72 0.00 | 14.06 0.72 0.00 | 14.56 0.74 0.00 | 16.08 0.80 0.00 | 17.25 0.85 0.00 | 23.44 1.14 0.00 | 24.36 1.31 0.00 | 27.66 1.51 0.00 | 27.13 1.49 0.00 | 26.66 1.32 0.00 | 31.75 1.50 0.00 | 29.85 1.43 0.00 | 27.70 1.41 0.00 | 27.04 1.35 0.00 | 30.32 1.47 0.00 | 34.35 1.67 0.00 | 31.87 1.98 0.00 | 34.80 2.18 0.00 | 31.45 1.88 0.00 | 30.23 1.63 0.00 | 31.85 1.37 0.00 | 32.32 1.21 0.00 | 25.86 1.01 0.00 |
| WARRENSBURG____ 23737 | 14.95 0.54 0.00 | 13.75 0.48 0.00 | 13.84 0.50 0.00 | 14.35 0.52 0.00 | 15.86 0.57 0.00 | 17.07 0.67 0.00 | 23.12 0.82 0.00 | 23.87 0.82 0.00 | 27.16 1.02 0.00 | 26.73 1.08 0.00 | 26.21 0.87 0.00 | 31.47 1.22 0.00 | 29.65 1.24 0.00 | 27.54 1.26 0.00 | 26.91 1.23 0.00 | 30.17 1.32 0.00 | 34.38 1.69 0.00 | 31.68 1.78 0.00 | 34.45 1.84 0.00 | 31.12 1.54 0.00 | 29.99 1.39 0.00 | 31.80 1.33 0.00 | 32.16 1.05 0.00 | 25.74 0.89 0.00 |
| WATERSIDE___6 8 9 23538 | 15.24 0.83 0.00 | 13.98 0.72 0.00 | 14.05 0.71 0.00 | 14.54 0.72 0.00 | 16.03 0.75 0.00 | 17.15 0.75 0.00 | 23.32 1.02 0.00 | 24.32 1.27 0.00 | 27.66 1.52 0.00 | 27.21 1.56 0.00 | 26.79 1.45 0.00 | 31.90 1.65 0.00 | 30.04 1.62 0.00 | 27.92 1.63 0.00 | 27.24 1.55 0.00 | 30.52 1.67 0.00 | 34.47 1.79 0.00 | 31.92 2.03 0.00 | 34.71 2.10 0.00 | 31.42 1.84 0.00 | 30.18 1.58 0.00 | 31.71 1.23 0.00 | 32.17 1.06 0.00 | 25.75 0.90 0.00 |
| WATKINRD_115KV_LN8_ILLION 55919 | 14.50 0.08 0.00 | 13.43 0.11 -0.06 | 13.59 0.11 -0.14 | 13.94 0.11 -0.01 | 15.41 0.13 0.00 | 16.54 0.14 0.00 | 22.44 0.14 0.00 | 23.24 0.20 0.00 | 26.40 0.25 0.00 | 25.94 0.29 0.00 | 25.49 0.15 0.00 | 30.43 0.18 0.00 | 28.61 0.19 0.00 | 26.48 0.20 0.00 | 25.83 0.15 0.00 | 29.06 0.21 0.00 | 33.02 0.33 0.00 | 30.28 0.39 0.00 | 33.09 0.48 0.00 | 29.92 0.35 0.00 | 28.86 0.25 0.00 | 30.61 0.13 0.00 | 31.10 -0.01 0.00 | 24.87 0.02 0.00 |
| WATSON___69_KV_BK 1 55734 | 15.59 1.17 0.00 | 14.32 1.05 0.00 | 14.36 1.02 0.00 | 14.82 1.00 0.00 | 16.35 1.07 0.00 | 17.52 1.12 0.00 | 23.92 1.63 0.00 | 24.78 1.73 0.00 | 28.42 2.28 0.00 | 27.84 2.20 0.00 | 27.52 2.18 0.00 | 32.76 2.51 0.00 | 30.73 2.31 0.00 | 28.71 2.43 0.00 | 28.05 2.37 0.00 | 31.32 2.47 0.00 | 35.49 2.81 0.00 | 32.87 2.97 0.00 | 35.73 3.11 0.00 | 32.33 2.76 0.00 | 30.99 2.39 0.00 | 32.62 2.14 0.00 | 32.98 1.87 0.00 | 26.33 1.48 0.00 |
| WDELAWARE___HYD 323627 | 15.10 0.68 0.00 | 13.85 0.58 0.00 | 13.96 0.62 0.00 | 14.47 0.65 0.00 | 15.98 0.69 0.00 | 17.10 0.70 0.00 | 23.31 1.01 0.00 | 24.26 1.21 0.00 | 27.53 1.39 0.00 | 27.05 1.40 0.00 | 26.62 1.28 0.00 | 31.75 1.50 0.00 | 30.33 1.92 0.00 | 28.12 1.84 0.00 | 27.48 1.79 0.00 | 30.84 1.98 0.00 | 34.95 2.26 0.00 | 32.33 2.44 0.00 | 35.37 2.75 0.00 | 31.93 2.36 0.00 | 30.70 2.10 0.00 | 32.34 1.87 0.00 | 32.75 1.64 0.00 | 26.25 1.40 0.00 |
| WEST BABYLON___IC 23714 | 15.55 1.14 0.00 | 14.29 1.02 0.00 | 14.33 0.99 0.00 | 14.79 0.97 0.00 | 16.32 1.03 0.00 | 17.49 1.09 0.00 | 23.87 1.57 0.00 | 24.73 1.68 0.00 | 28.34 2.19 0.00 | 27.78 2.14 0.00 | 27.45 2.11 0.00 | 32.67 2.42 0.00 | 30.67 2.25 0.00 | 28.65 2.36 0.00 | 27.98 2.30 0.00 | 31.24 2.39 0.00 | 35.38 2.69 0.00 | 32.75 2.86 0.00 | 35.63 3.01 0.00 | 32.24 2.67 0.00 | 30.93 2.33 0.00 | 32.56 2.08 0.00 | 32.93 1.82 0.00 | 26.29 1.44 0.00 |
| WEST CANADA___HYD 24049 | 14.51 0.10 0.00 | 13.42 0.10 -0.06 | 13.57 0.09 -0.14 | 13.93 0.10 -0.01 | 15.39 0.11 0.00 | 16.50 0.10 0.00 | 22.40 0.10 0.00 | 23.18 0.14 0.00 | 26.32 0.17 0.00 | 25.82 0.17 0.00 | 25.47 0.13 0.00 | 30.41 0.15 0.00 | 28.59 0.17 0.00 | 26.44 0.16 0.00 | 25.84 0.16 0.00 | 29.02 0.17 0.00 | 32.90 0.22 0.00 | 30.15 0.26 0.00 | 32.87 0.26 0.00 | 29.78 0.21 0.00 | 28.75 0.15 0.00 | 30.57 0.09 0.00 | 31.16 0.05 0.00 | 24.92 0.07 0.00 |
| WESTERN_NY_WIND 24143 | 12.78 -0.84 0.79 | 12.39 -0.77 0.11 | 12.49 -0.85 0.00 | 13.11 -0.71 0.00 | 14.67 -0.61 0.00 | 15.71 -0.69 0.00 | 21.25 -1.05 0.00 | 21.76 -1.28 0.00 | 24.59 -1.56 0.00 | 24.16 -1.48 0.00 | 23.66 -1.69 0.00 | 28.25 -2.00 0.00 | 26.70 -1.72 0.00 | 24.70 -1.58 0.00 | 24.33 -1.36 0.00 | 27.49 -1.37 0.00 | 31.28 -1.41 0.00 | 28.21 -1.68 0.00 | 30.99 -1.62 0.00 | 27.88 -1.69 0.00 | 27.28 -1.33 0.00 | 28.96 -1.52 0.00 | 29.73 -1.38 0.00 | 24.27 -0.58 0.00 |
| WESTOVER___LESR 323668 | 14.44 0.03 0.00 | 13.32 0.05 0.00 | 13.39 0.05 0.00 | 13.91 0.09 0.00 | 15.44 0.16 0.00 | 16.50 0.10 0.00 | 22.37 0.07 0.00 | 23.17 0.13 0.00 | 26.24 0.09 0.00 | 25.79 0.14 0.00 | 25.54 0.20 0.00 | 30.54 0.29 0.00 | 28.80 0.38 0.00 | 26.63 0.34 0.00 | 26.06 0.38 0.00 | 29.25 0.40 0.00 | 33.24 0.56 0.00 | 30.47 0.57 0.00 | 33.34 0.72 0.00 | 30.04 0.47 0.00 | 29.01 0.41 0.00 | 30.81 0.34 0.00 | 31.39 0.28 0.00 | 25.14 0.29 0.00 |
| WETHRSFD_WT_PWR 323626 | 11.57 -1.39 1.46 | 10.71 -1.25 1.31 | 11.11 -1.31 0.91 | 11.54 -1.16 1.12 | 12.62 -1.13 1.54 | 14.11 -1.29 1.00 | 18.26 -1.91 2.13 | 18.06 -2.11 2.87 | 17.08 -2.40 6.67 | 18.63 -2.14 4.88 | 18.64 -2.10 4.61 | 26.00 -2.41 1.85 | 24.87 -1.96 1.59 | 22.79 -1.78 1.71 | 20.43 -1.55 3.70 | 22.49 -1.71 4.65 | 28.40 -1.85 2.43 | 25.51 -2.19 2.19 | 27.69 -2.29 2.64 | 24.88 -2.48 2.22 | 23.49 -1.93 3.19 | 24.51 -2.05 3.92 | 17.54 -1.81 11.76 | 9.58 -0.91 14.36 |
| WHAVSTOR_138KV_BK127 55557 | 15.16 0.75 0.00 | 13.92 0.65 0.00 | 13.99 0.65 0.00 | 14.48 0.66 0.00 | 15.99 0.71 0.00 | 17.12 0.72 0.00 | 23.28 0.98 0.00 | 24.21 1.17 0.00 | 27.49 1.34 0.00 | 27.00 1.36 0.00 | 26.56 1.22 0.00 | 31.67 1.42 0.00 | 29.81 1.39 0.00 | 27.67 1.39 0.00 | 26.99 1.31 0.00 | 30.25 1.39 0.00 | 34.22 1.54 0.00 | 31.69 1.80 0.00 | 34.53 1.91 0.00 | 31.20 1.63 0.00 | 29.98 1.37 0.00 | 31.57 1.09 0.00 | 32.07 0.96 0.00 | 25.69 0.85 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 15.16 0.75 0.00 | 13.92 0.65 0.00 | 13.99 0.65 0.00 | 14.48 0.66 0.00 | 15.99 0.71 0.00 | 17.12 0.72 0.00 | 23.28 0.98 0.00 | 24.21 1.17 0.00 | 27.49 1.34 0.00 | 27.00 1.36 0.00 | 26.56 1.22 0.00 | 31.67 1.42 0.00 | 29.81 1.39 0.00 | 27.67 1.39 0.00 | 26.99 1.31 0.00 | 30.25 1.39 0.00 | 34.22 1.54 0.00 | 31.69 1.80 0.00 | 34.53 1.91 0.00 | 31.20 1.63 0.00 | 29.98 1.37 0.00 | 31.57 1.09 0.00 | 32.07 0.96 0.00 | 25.69 0.85 0.00 |

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| WHITEHAL_115KV_TB1 80871 | 15.37 0.96 0.00 | 14.07 0.80 0.00 | 14.15 0.81 0.00 | 14.70 0.88 0.00 | 16.27 0.98 0.00 | 17.59 1.19 0.00 | 23.69 1.39 0.00 | 24.22 1.17 0.00 | 27.58 1.43 0.00 | 27.21 1.57 0.00 | 26.52 1.18 0.00 | 31.79 1.54 0.00 | 30.02 1.60 0.00 | 27.78 1.50 0.00 | 27.14 1.45 0.00 | 30.43 1.58 0.00 | 34.76 2.08 0.00 | 32.33 2.43 0.00 | 34.94 2.32 0.00 | 31.47 1.90 0.00 | 30.29 1.69 0.00 | 32.35 1.88 0.00 | 32.48 1.37 0.00 | 26.10 1.25 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 15.31 0.90 0.00 | 14.07 0.80 0.00 | 14.13 0.80 0.00 | 14.63 0.81 0.00 | 16.15 0.86 0.00 | 17.30 0.90 0.00 | 23.53 1.23 0.00 | 24.50 1.46 0.00 | 27.86 1.71 0.00 | 27.39 1.74 0.00 | 26.95 1.61 0.00 | 32.12 1.87 0.00 | 30.23 1.81 0.00 | 28.07 1.79 0.00 | 27.39 1.70 0.00 | 30.70 1.85 0.00 | 34.74 2.05 0.00 | 32.15 2.26 0.00 | 35.00 2.39 0.00 | 31.62 2.05 0.00 | 30.38 1.77 0.00 | 31.98 1.51 0.00 | 32.42 1.31 0.00 | 25.95 1.10 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 15.47 1.06 0.00 | 14.24 0.97 0.00 | 14.27 0.93 0.00 | 14.72 0.90 0.00 | 16.22 0.93 0.00 | 17.38 0.98 0.00 | 23.77 1.47 0.00 | 24.51 1.46 0.00 | 28.27 2.13 0.00 | 27.55 1.90 0.00 | 27.23 1.89 0.00 | 32.47 2.22 0.00 | 30.40 1.99 0.00 | 28.45 2.17 0.00 | 27.76 2.08 0.00 | 31.06 2.20 0.00 | 35.21 2.52 0.00 | 32.60 2.70 0.00 | 35.39 2.78 0.00 | 32.07 2.50 0.00 | 30.68 2.08 0.00 | 32.36 1.88 0.00 | 32.71 1.60 0.00 | 26.04 1.19 0.00 |
| WOODARD__115KV_TB2 355635 | 14.25 -0.16 0.00 | 13.14 -0.13 0.00 | 13.19 -0.15 0.00 | 13.69 -0.13 0.00 | 15.14 -0.15 0.00 | 16.20 -0.20 0.00 | 21.89 -0.42 0.00 | 22.60 -0.44 0.00 | 25.63 -0.52 0.00 | 25.14 -0.50 0.00 | 24.84 -0.49 0.00 | 29.68 -0.57 0.00 | 27.94 -0.48 0.00 | 25.86 -0.42 0.00 | 25.32 -0.37 0.00 | 28.42 -0.43 0.00 | 32.20 -0.48 0.00 | 29.44 -0.45 0.00 | 32.18 -0.43 0.00 | 29.07 -0.50 0.00 | 28.12 -0.48 0.00 | 29.90 -0.58 0.00 | 30.53 -0.58 0.00 | 24.48 -0.37 0.00 |
| YORK__WARBASSE 23770 | 15.29 0.88 0.00 | 14.03 0.76 0.00 | 14.09 0.75 0.00 | 14.58 0.76 0.00 | 16.10 0.81 0.00 | 17.23 0.82 0.00 | 23.42 1.12 0.00 | 24.42 1.38 0.00 | 27.80 1.65 0.00 | 27.34 1.69 0.00 | 26.94 1.60 0.00 | 32.07 1.82 0.00 | 30.22 1.80 0.00 | 28.09 1.81 0.00 | 27.39 1.71 0.00 | 30.70 1.85 0.00 | 34.66 1.97 0.00 | 32.10 2.21 0.00 | 34.88 2.26 0.00 | 31.61 2.04 0.00 | 30.36 1.76 0.00 | 31.89 1.42 0.00 | 32.35 1.24 0.00 | 25.90 1.05 0.00 |