

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

03/13/2025

| Name | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| PTID | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT |
| 59TH STREET_GT_1 | 40.03 | 40.61 | 40.41 | 40.32 | 40.35 | 39.30 | 49.06 | 58.61 | 46.99 | 39.83 | 33.86 | 27.49 | 14.35 | 23.19 | 18.98 | 25.40 | 37.85 | 44.55 | 49.01 | 58.62 | 64.99 | 51.03 | 41.17 | 39.82 |
| 24138 | 1.28 | 1.09 | 0.98 | 0.88 | 0.99 | 0.97 | 1.66 | 2.71 | 2.29 | 2.06 | 1.75 | 1.48 | 0.83 | 1.28 | 1.06 | 1.12 | 0.36 | 1.55 | 2.12 | 2.64 | 2.79 | 2.12 | 1.78 | 1.72 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.54 | -1.34 | 0.00 | 0.00 | 0.00 | -5.24 | -30.92 | -12.56 | -4.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_1 | 40.20 | 40.79 | 40.60 | 40.49 | 40.50 | 39.44 | 49.23 | 58.76 | 47.07 | 39.87 | 33.88 | 27.48 | 14.34 | 23.18 | 18.97 | 25.39 | 37.80 | 44.54 | 49.05 | 58.76 | 65.24 | 51.22 | 41.34 | 39.96 |
| 24260 | 1.45 | 1.27 | 1.16 | 1.05 | 1.13 | 1.11 | 1.83 | 2.85 | 2.36 | 2.10 | 1.77 | 1.48 | 0.82 | 1.28 | 1.05 | 1.11 | 0.36 | 1.56 | 2.16 | 2.78 | 3.03 | 2.30 | 1.95 | 1.87 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.54 | -1.34 | 0.00 | 0.00 | 0.00 | -5.24 | -30.87 | -12.54 | -4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_2 | 40.20 | 40.79 | 40.60 | 40.49 | 40.50 | 39.44 | 49.23 | 58.76 | 47.07 | 39.87 | 33.88 | 27.48 | 14.34 | 23.18 | 18.97 | 25.39 | 37.80 | 44.54 | 49.05 | 58.76 | 65.24 | 51.22 | 41.34 | 39.96 |
| 24261 | 1.45 | 1.27 | 1.16 | 1.05 | 1.13 | 1.11 | 1.83 | 2.85 | 2.36 | 2.10 | 1.77 | 1.48 | 0.82 | 1.28 | 1.05 | 1.11 | 0.36 | 1.56 | 2.16 | 2.78 | 3.03 | 2.30 | 1.95 | 1.87 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.54 | -1.34 | 0.00 | 0.00 | 0.00 | -5.24 | -30.87 | -12.54 | -4.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK HUDSON___FALLS | 40.62 | 41.30 | 41.31 | 41.32 | 41.30 | 40.35 | 50.20 | 59.31 | 47.23 | 39.74 | 32.13 | 25.90 | 13.90 | 22.49 | 18.44 | 21.00 | 14.92 | 35.16 | 45.93 | 59.11 | 65.49 | 51.39 | 41.38 | 40.08 |
| 24011 | 1.87 | 1.78 | 1.87 | 1.87 | 1.94 | 2.03 | 2.80 | 3.41 | 2.53 | 1.97 | 1.16 | 0.88 | 0.38 | 0.58 | 0.52 | 0.58 | 0.23 | 1.41 | 2.05 | 3.13 | 3.29 | 2.48 | 1.99 | 1.98 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.41 | -0.35 | 0.00 | 0.00 | 0.00 | -1.38 | -8.14 | -3.30 | -1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK RESOURCE___RCVRY | 40.66 | 41.31 | 41.42 | 41.43 | 41.41 | 40.47 | 50.36 | 59.49 | 47.34 | 39.84 | 32.11 | 25.88 | 13.88 | 22.46 | 18.43 | 21.00 | 14.89 | 35.23 | 46.02 | 59.38 | 65.77 | 51.58 | 41.53 | 40.24 |
| 23798 | 1.92 | 1.79 | 1.99 | 1.99 | 2.05 | 2.14 | 2.96 | 3.59 | 2.63 | 2.07 | 1.14 | 0.87 | 0.36 | 0.55 | 0.51 | 0.59 | 0.23 | 1.50 | 2.14 | 3.40 | 3.56 | 2.67 | 2.14 | 2.14 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.40 | -0.35 | 0.00 | 0.00 | 0.00 | -1.38 | -8.10 | -3.29 | -1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK S GLENS___FALLS | 40.62 | 41.30 | 41.31 | 41.32 | 41.30 | 40.35 | 50.20 | 59.31 | 47.23 | 39.74 | 32.13 | 25.90 | 13.90 | 22.49 | 18.44 | 21.00 | 14.92 | 35.16 | 45.93 | 59.11 | 65.49 | 51.39 | 41.38 | 40.08 |
| 24028 | 1.87 | 1.78 | 1.87 | 1.87 | 1.94 | 2.03 | 2.80 | 3.41 | 2.53 | 1.97 | 1.16 | 0.88 | 0.38 | 0.58 | 0.52 | 0.58 | 0.23 | 1.41 | 2.05 | 3.13 | 3.29 | 2.48 | 1.99 | 1.98 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.41 | -0.35 | 0.00 | 0.00 | 0.00 | -1.38 | -8.14 | -3.30 | -1.08 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK_NYS___DAM | 40.38 | 41.07 | 40.77 | 40.75 | 40.70 | 39.70 | 49.10 | 57.86 | 46.39 | 39.17 | 31.95 | 25.76 | 13.82 | 22.39 | 18.41 | 21.26 | 16.55 | 35.34 | 45.33 | 57.89 | 64.16 | 50.52 | 40.81 | 39.55 |
| 23527 | 1.63 | 1.55 | 1.34 | 1.31 | 1.33 | 1.37 | 1.70 | 1.96 | 1.68 | 1.40 | 0.89 | 0.67 | 0.30 | 0.48 | 0.49 | 0.56 | 0.18 | 0.91 | 1.22 | 1.91 | 1.96 | 1.60 | 1.41 | 1.45 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.49 | -0.42 | 0.00 | 0.00 | 0.00 | -1.66 | -9.81 | -3.98 | -1.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AIR_PRODUCTS___DRP | 39.62 | 40.47 | 40.31 | 40.28 | 40.21 | 39.18 | 48.58 | 57.46 | 45.95 | 38.82 | 31.83 | 25.68 | 13.83 | 22.42 | 18.36 | 20.97 | 15.36 | 34.74 | 44.99 | 57.44 | 63.76 | 50.17 | 40.43 | 39.15 |
| 24190 | 0.88 | 0.95 | 0.87 | 0.84 | 0.85 | 0.85 | 1.18 | 1.56 | 1.25 | 1.05 | 0.82 | 0.64 | 0.31 | 0.50 | 0.44 | 0.47 | 0.17 | 0.79 | 1.04 | 1.45 | 1.56 | 1.26 | 1.03 | 1.05 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.43 | -0.37 | 0.00 | 0.00 | 0.00 | -1.47 | -8.64 | -3.51 | -1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AKWESSNE_115KV_BK | 39.77 | 40.64 | 40.67 | 40.74 | 40.64 | 39.52 | 48.60 | 56.91 | 45.64 | 38.61 | 31.29 | 25.22 | 13.83 | 22.43 | 18.35 | 19.54 | 6.75 | 31.27 | 43.87 | 57.11 | 63.62 | 50.16 | 40.38 | 38.95 |
| 355683 | 1.02 | 1.12 | 1.23 | 1.29 | 1.27 | 1.19 | 1.20 | 1.01 | 0.93 | 0.84 | 0.72 | 0.56 | 0.31 | 0.51 | 0.43 | 0.50 | 0.19 | 0.82 | 1.06 | 1.13 | 1.42 | 1.24 | 0.99 | 0.86 |
| | 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_SOLAR | 39.44 | 40.78 | 40.69 | 40.67 | 40.62 | 39.58 | 49.09 | 58.01 | 46.15 | 38.77 | 31.77 | 25.57 | 13.74 | 22.24 | 18.24 | 20.68 | 14.39 | 34.43 | 45.21 | 57.95 | 64.33 | 50.61 | 40.77 | 39.46 |
| 323833 | 0.69 | 1.25 | 1.25 | 1.22 | 1.25 | 1.26 | 1.69 | 2.11 | 1.45 | 1.00 | 0.82 | 0.57 | 0.21 | 0.34 | 0.33 | 0.34 | 0.12 | 0.85 | 1.38 | 1.97 | 2.12 | 1.69 | 1.38 | 1.37 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.39 | -0.33 | 0.00 | 0.00 | 0.00 | -1.31 | -7.71 | -3.13 | -1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY_2_SOLAR | 39.42 | 40.76 | 40.68 | 40.67 | 40.61 | 39.58 | 49.08 | 58.00 | 46.15 | 38.76 | 31.76 | 25.57 | 13.74 | 22.24 | 18.24 | 20.68 | 14.39 | 34.43 | 45.20 | 57.94 | 64.31 | 50.60 | 40.75 | 39.45 |
| 323834 | 0.68 | 1.23 | 1.24 | 1.22 | 1.24 | 1.25 | 1.68 | 2.10 | 1.44 | 0.99 | 0.81 | 0.57 | 0.21 | 0.34 | 0.32 | 0.34 | 0.12 | 0.84 | 1.37 | 1.95 | 2.11 | 1.68 | 1.36 | 1.36 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.39 | -0.33 | 0.00 | 0.00 | 0.00 | -1.31 | -7.71 | -3.13 | -1.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY___1 | 39.62 | 40.47 | 40.31 | 40.28 | 40.21 | 39.18 | 48.58 | 57.46 | 45.95 | 38.82 | 31.83 | 25.68 | 13.83 | 22.42 | 18.36 | 20.97 | 15.36 | 34.74 | 44.99 | 57.44 | 63.76 | 50.17 | 40.43 | 39.15 |
| 23571 | 0.88 | 0.95 | 0.87 | 0.84 | 0.85 | 0.85 | 1.18 | 1.56 | 1.25 | 1.05 | 0.82 | 0.64 | 0.31 | 0.50 | 0.44 | 0.47 | 0.17 | 0.79 | 1.04 | 1.45 | 1.56 | 1.26 | 1.03 | 1.05 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.43 | -0.37 | 0.00 | 0.00 | 0.00 | -1.47 | -8.64 | -3.51 | -1.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| ALBANY___2 23572 | 39.62 0.88 0.00 | 40.47 0.95 0.00 | 40.31 0.87 0.00 | 40.28 0.84 0.00 | 40.21 0.85 0.00 | 39.18 0.85 0.00 | 48.58 1.18 0.00 | 57.46 1.56 0.00 | 45.95 1.25 0.00 | 38.82 1.05 0.00 | 31.83 0.82 -0.43 | 25.68 0.64 -0.37 | 13.83 0.31 0.00 | 22.42 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.36 0.17 -8.64 | 34.74 0.79 -3.51 | 44.99 1.04 -1.14 | 57.44 1.45 0.00 | 63.76 1.56 0.00 | 50.17 1.26 0.00 | 40.43 1.03 0.00 | 39.15 1.05 0.00 |
| ALBANY___3 23573 | 39.62 0.88 0.00 | 40.47 0.95 0.00 | 40.31 0.87 0.00 | 40.28 0.84 0.00 | 40.21 0.85 0.00 | 39.18 0.85 0.00 | 48.58 1.18 0.00 | 57.46 1.56 0.00 | 45.95 1.25 0.00 | 38.82 1.05 0.00 | 31.83 0.82 -0.43 | 25.68 0.64 -0.37 | 13.83 0.31 0.00 | 22.42 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.36 0.17 -8.64 | 34.74 0.79 -3.51 | 44.99 1.04 -1.14 | 57.44 1.45 0.00 | 63.76 1.56 0.00 | 50.17 1.26 0.00 | 40.43 1.03 0.00 | 39.15 1.05 0.00 |
| ALBANY___4 23574 | 39.62 0.88 0.00 | 40.47 0.95 0.00 | 40.31 0.87 0.00 | 40.28 0.84 0.00 | 40.21 0.85 0.00 | 39.18 0.85 0.00 | 48.58 1.18 0.00 | 57.46 1.56 0.00 | 45.95 1.25 0.00 | 38.82 1.05 0.00 | 31.83 0.82 -0.43 | 25.68 0.64 -0.37 | 13.83 0.31 0.00 | 22.42 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.36 0.17 -8.64 | 34.74 0.79 -3.51 | 44.99 1.04 -1.14 | 57.44 1.45 0.00 | 63.76 1.56 0.00 | 50.17 1.26 0.00 | 40.43 1.03 0.00 | 39.15 1.05 0.00 |
| ALBANY___LFGE 323615 | 39.86 1.11 0.00 | 40.70 1.17 0.00 | 40.53 1.09 0.00 | 40.50 1.05 0.00 | 40.43 1.06 0.00 | 39.40 1.07 0.00 | 48.88 1.48 0.00 | 57.82 1.92 0.00 | 46.22 1.52 0.00 | 39.03 1.26 0.00 | 31.98 0.99 -0.43 | 25.81 0.78 -0.37 | 13.90 0.38 0.00 | 22.52 0.61 0.00 | 18.45 0.53 0.00 | 21.04 0.56 -1.45 | 15.31 0.21 -8.54 | 34.89 0.97 -3.47 | 45.24 1.30 -1.13 | 57.79 1.81 0.00 | 64.14 1.94 0.00 | 50.45 1.54 0.00 | 40.65 1.25 0.00 | 39.34 1.24 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 39.92 1.17 0.00 | 40.80 1.28 0.00 | 40.84 1.41 0.00 | 40.91 1.47 0.00 | 40.81 1.44 0.00 | 39.69 1.36 0.00 | 48.82 1.42 0.00 | 57.17 1.27 0.00 | 45.81 1.10 0.00 | 38.72 0.95 0.00 | 31.29 0.72 0.00 | 25.27 0.61 0.00 | 13.86 0.33 0.00 | 22.46 0.55 0.00 | 18.38 0.46 0.00 | 19.57 0.54 0.00 | 6.77 0.21 0.00 | 31.37 0.92 0.00 | 44.04 1.24 0.00 | 57.38 1.40 0.00 | 63.90 1.69 0.00 | 50.37 1.46 0.00 | 40.54 1.15 0.00 | 39.09 1.00 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 39.92 1.17 0.00 | 40.80 1.28 0.00 | 40.84 1.41 0.00 | 40.91 1.47 0.00 | 40.81 1.44 0.00 | 39.69 1.36 0.00 | 48.82 1.42 0.00 | 57.17 1.27 0.00 | 45.81 1.10 0.00 | 38.72 0.95 0.00 | 31.29 0.72 0.00 | 25.27 0.61 0.00 | 13.86 0.33 0.00 | 22.46 0.55 0.00 | 18.38 0.46 0.00 | 19.57 0.54 0.00 | 6.77 0.21 0.00 | 31.37 0.92 0.00 | 44.04 1.24 0.00 | 57.38 1.40 0.00 | 63.90 1.69 0.00 | 50.37 1.46 0.00 | 40.54 1.15 0.00 | 39.09 1.00 0.00 |
| ALCOA___DSASP 323711 | 39.92 1.17 0.00 | 40.80 1.28 0.00 | 40.84 1.41 0.00 | 40.91 1.47 0.00 | 40.81 1.45 0.00 | 39.69 1.36 0.00 | 48.83 1.42 0.00 | 57.17 1.27 0.00 | 45.80 1.10 0.00 | 38.72 0.95 0.00 | 31.29 0.72 0.00 | 25.27 0.61 0.00 | 13.86 0.33 0.00 | 22.46 0.55 0.00 | 18.38 0.46 0.00 | 19.57 0.54 0.00 | 6.77 0.21 0.00 | 31.37 0.92 0.00 | 44.04 1.23 0.00 | 57.38 1.39 0.00 | 63.90 1.69 0.00 | 50.37 1.45 0.00 | 40.54 1.15 0.00 | 39.09 1.00 0.00 |
| ALLEGHENY___COGEN 23514 | 38.05 -0.70 0.00 | 38.89 -0.64 0.00 | 38.85 -0.59 0.00 | 39.10 -0.34 0.00 | 39.14 -0.23 0.00 | 38.36 0.03 0.00 | 47.55 0.15 0.00 | 55.89 -0.01 0.00 | 44.39 -0.32 0.00 | 36.45 -1.32 0.00 | 29.33 -1.24 0.00 | 23.60 -1.06 0.00 | 13.04 -0.49 0.00 | 21.08 -0.83 0.00 | 17.22 -0.70 0.00 | 18.29 -0.75 0.00 | 6.25 -0.31 0.00 | 29.29 -1.15 0.00 | 41.91 -0.90 0.00 | 55.82 -0.16 0.00 | 62.22 0.02 0.00 | 48.84 -0.07 0.00 | 39.20 -0.20 0.00 | 37.96 -0.14 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 39.41 0.67 0.00 | 40.23 0.71 0.00 | 40.09 0.65 0.00 | 40.05 0.61 0.00 | 39.98 0.61 0.00 | 38.95 0.62 0.00 | 48.30 0.90 0.00 | 57.15 1.25 0.00 | 45.67 0.97 0.00 | 38.56 0.79 0.00 | 31.60 0.62 -0.42 | 25.51 0.48 -0.36 | 13.76 0.23 0.00 | 22.29 0.38 0.00 | 18.24 0.32 0.00 | 20.79 0.33 -1.42 | 15.05 0.12 -8.38 | 34.43 0.58 -3.40 | 44.73 0.81 -1.11 | 57.14 1.16 0.00 | 63.46 1.25 0.00 | 49.91 1.00 0.00 | 40.21 0.82 0.00 | 38.91 0.82 0.00 |
| ALTONA_WT_PWR 323606 | 41.16 2.41 0.00 | 41.98 2.46 0.00 | 42.19 2.75 0.00 | 42.26 2.82 0.00 | 42.07 2.71 0.00 | 40.81 2.48 0.00 | 50.10 2.69 0.00 | 58.70 2.80 0.00 | 46.92 2.22 0.00 | 39.70 1.93 0.00 | 32.18 1.61 0.00 | 25.94 1.28 0.00 | 14.16 0.64 0.00 | 22.93 1.02 0.00 | 18.84 0.92 0.00 | 20.07 1.04 0.00 | 6.89 0.33 0.00 | 31.98 1.54 0.00 | 44.92 2.11 0.00 | 58.68 2.70 0.00 | 64.98 2.77 0.00 | 50.54 1.63 0.00 | 40.50 1.11 0.00 | 39.10 1.01 0.00 |
| AMERICAN_REF_FUEL 24010 | 35.68 -3.06 0.00 | 36.57 -2.96 0.00 | 36.57 -2.87 0.00 | 36.88 -2.57 0.00 | 36.87 -2.50 0.00 | 36.11 -2.22 0.00 | 44.10 -3.31 0.00 | 51.08 -4.82 0.00 | 41.09 -3.61 0.00 | 34.79 -2.98 0.00 | 28.02 -2.55 0.00 | 22.65 -2.02 0.00 | 12.59 -0.93 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.68 -1.36 0.00 | 5.97 -0.58 0.00 | 27.72 -2.73 0.00 | 39.03 -3.78 0.00 | 50.38 -5.60 0.00 | 55.96 -6.24 0.00 | 44.13 -4.78 0.00 | 35.84 -3.55 0.00 | 35.21 -2.88 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 36.80 -1.95 0.00 | 37.96 -1.57 0.00 | 38.04 -1.41 0.00 | 38.14 -1.30 0.00 | 38.51 -0.86 0.00 | 37.82 -0.51 0.00 | 46.77 -0.64 0.00 | 54.57 -1.33 0.00 | 43.76 -0.95 0.00 | 37.30 -0.47 0.00 | 30.09 -0.48 0.00 | 24.24 -0.42 0.00 | 13.48 -0.04 0.00 | 21.73 -0.18 0.00 | 17.77 -0.15 0.00 | 18.85 -0.19 0.00 | 6.31 -0.25 0.00 | 29.67 -0.78 0.00 | 42.03 -0.78 0.00 | 54.83 -1.15 0.00 | 60.99 -1.22 0.00 | 47.70 -1.22 0.00 | 38.32 -1.07 0.00 | 37.19 -0.91 0.00 |
| ARTHUR KILL_GT_1 23520 | 56.66 1.57 -16.34 | 55.92 1.38 -15.02 | 55.94 1.31 -15.19 | 55.94 1.15 -15.34 | 55.95 1.24 -15.34 | 56.33 1.10 -16.90 | 57.32 1.77 -8.15 | 59.36 2.76 -0.69 | 58.11 2.36 -11.04 | 58.03 2.10 -18.16 | 57.60 1.79 -25.24 | 55.91 1.53 -29.73 | 57.07 0.84 -42.71 | 56.44 1.30 -33.24 | 55.78 1.08 -36.79 | 55.78 1.14 -35.62 | 61.32 0.36 -54.40 | 58.67 1.51 -26.71 | 62.42 2.14 -17.47 | 78.99 2.59 -20.42 | 70.16 2.92 -5.03 | 64.13 2.37 -12.85 | 57.42 2.09 -15.94 | 57.15 1.95 -17.11 |
| ARTHUR_KILL_2 23512 | 56.56 1.47 -16.34 | 55.83 1.29 -15.02 | 55.83 1.20 -15.19 | 55.83 1.05 -15.34 | 55.83 1.12 -15.34 | 56.22 0.99 -16.90 | 57.18 1.63 -8.15 | 59.18 2.58 -0.69 | 57.98 2.23 -11.04 | 57.93 2.00 -18.16 | 57.53 1.72 -25.24 | 55.86 1.47 -29.73 | 57.04 0.81 -42.71 | 56.40 1.25 -33.24 | 55.75 1.04 -36.79 | 55.75 1.09 -35.62 | 61.30 0.34 -54.40 | 58.60 1.44 -26.71 | 62.29 2.01 -17.47 | 78.83 2.42 -20.42 | 69.97 2.74 -5.03 | 63.99 2.23 -12.85 | 57.31 1.97 -15.94 | 57.04 1.84 -17.11 |
| ARTHUR_KILL_3 23513 | 56.19 1.02 -16.42 | 55.40 0.85 -15.03 | 55.68 0.75 -15.48 | 56.27 0.63 -16.19 | 56.30 0.74 -16.19 | 56.86 0.69 -17.84 | 57.30 1.29 -8.60 | 58.83 2.21 -0.72 | 57.57 1.82 -11.05 | 57.84 1.62 -18.44 | 57.31 1.39 -25.35 | 55.57 1.17 -29.74 | 56.90 0.66 -42.72 | 56.16 1.01 -33.24 | 55.56 0.84 -36.80 | 55.54 0.88 -35.63 | 61.68 0.28 -54.84 | 58.34 1.17 -26.73 | 61.92 1.63 -17.48 | 79.04 2.10 -20.95 | 64.80 2.31 -0.28 | 63.08 1.77 -12.40 | 57.02 1.51 -16.12 | 57.03 1.44 -17.50 |

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|-----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| ARTHUR_KILL_COGEN 323718 | 56.66 1.57 -16.34 | 55.92 1.38 -15.02 | 55.94 1.31 -15.19 | 55.94 1.15 -15.34 | 55.95 1.24 -15.34 | 56.33 1.10 -16.90 | 57.32 1.77 -8.15 | 59.36 2.76 -0.69 | 58.11 2.36 -11.04 | 58.03 2.10 -18.16 | 57.60 1.79 -25.24 | 55.91 1.53 -29.73 | 57.07 0.84 -42.71 | 56.44 1.30 -33.24 | 55.78 1.08 -36.79 | 55.78 1.14 -35.62 | 61.32 0.36 -54.40 | 58.67 1.51 -26.71 | 62.42 2.14 -17.47 | 78.99 2.59 -20.42 | 70.16 2.92 -5.03 | 64.13 2.37 -12.85 | 57.42 2.09 -15.94 | 57.15 1.95 -17.11 |
| ASHOKAN____ 23654 | 40.60 1.85 0.00 | 41.36 1.84 0.00 | 41.21 1.77 0.00 | 41.15 1.71 0.00 | 41.10 1.74 0.00 | 40.12 1.79 0.00 | 50.04 2.64 0.00 | 59.41 3.51 0.00 | 47.48 2.78 0.00 | 39.87 2.10 0.00 | 32.24 1.67 0.00 | 25.96 1.30 0.00 | 13.99 0.47 0.00 | 22.61 0.70 0.00 | 18.54 0.62 0.00 | 19.73 0.70 0.00 | 6.86 0.30 0.00 | 32.06 1.61 0.00 | 45.17 2.36 0.00 | 59.14 3.16 0.00 | 65.69 3.49 0.00 | 51.62 2.71 0.00 | 41.53 2.14 0.00 | 40.10 2.01 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 40.04 1.29 0.00 | 40.52 0.99 0.00 | 40.44 1.00 0.00 | 40.35 0.90 0.00 | 40.27 0.91 0.00 | 39.15 0.82 0.00 | 48.83 1.43 0.00 | 58.33 2.42 0.00 | 46.81 2.11 0.00 | 39.64 1.87 0.00 | 33.66 1.56 -1.54 | 27.32 1.32 -1.33 | 14.25 0.74 0.01 | 23.04 1.13 0.01 | 18.85 0.94 0.01 | 25.26 0.99 -5.23 | 37.75 0.32 -30.87 | 44.26 1.27 -12.53 | 48.66 1.78 -4.08 | 58.17 2.18 0.00 | 64.68 2.47 0.00 | 50.91 2.00 0.00 | 41.12 1.72 0.00 | 39.56 1.46 -0.01 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 40.04 1.29 0.00 | 40.52 0.99 0.00 | 40.44 1.00 0.00 | 40.35 0.90 0.00 | 40.27 0.90 0.00 | 39.15 0.82 0.00 | 48.83 1.43 0.00 | 58.33 2.42 0.00 | 46.81 2.11 0.00 | 39.64 1.87 0.00 | 33.66 1.56 -1.54 | 27.32 1.32 -1.33 | 14.25 0.74 0.01 | 23.04 1.13 0.01 | 18.85 0.94 0.01 | 25.26 0.99 -5.23 | 37.74 0.32 -30.87 | 44.26 1.27 -12.53 | 48.66 1.78 -4.08 | 58.17 2.18 0.00 | 64.68 2.47 0.00 | 50.91 2.00 0.00 | 41.12 1.72 0.00 | 39.56 1.46 -0.01 |
| ASTORIA_GT2_1 24094 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT2_2 24095 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT2_3 24096 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT2_4 24097 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT3_1 24098 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT3_2 24099 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT3_3 24100 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT3_4 24101 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT4_1 24102 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT4_2 24103 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT4_3 24104 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |

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|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|-------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| ASTORIA_GT4_4 24105 | 40.05 1.30 0.00 | 40.53 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.20 0.83 0.00 | 39.16 0.83 0.00 | 48.86 1.46 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.64 1.88 0.00 | 33.68 1.57 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.75 0.32 -30.87 | 44.28 1.29 -12.54 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.51 0.00 | 50.91 2.00 0.00 | 41.13 1.73 0.00 | 39.58 1.47 -0.01 |
| ASTORIA_GT_1 23523 | 40.11 1.36 0.00 | 40.59 1.06 0.00 | 40.52 1.08 0.00 | 40.41 0.97 0.00 | 40.34 0.98 0.00 | 39.22 0.89 0.00 | 48.93 1.53 0.00 | 58.45 2.54 0.00 | 46.91 2.21 0.00 | 39.72 1.95 0.00 | 33.73 1.63 -1.54 | 27.37 1.38 -1.33 | 14.28 0.77 0.01 | 23.09 1.18 0.01 | 18.89 0.98 0.01 | 25.29 1.03 -5.23 | 37.76 0.33 -30.87 | 44.32 1.34 -12.53 | 48.75 1.87 -4.08 | 58.29 2.31 0.00 | 64.82 2.61 0.00 | 51.03 2.11 0.00 | 41.20 1.80 0.00 | 39.63 1.53 -0.01 |
| ASTORIA_GT_10 24110 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.03 0.00 | 40.34 0.89 0.00 | 40.33 0.96 0.00 | 39.27 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.85 2.15 0.00 | 39.71 1.94 0.00 | 33.76 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.11 1.20 0.00 | 18.91 0.99 0.00 | 25.32 1.05 -5.24 | 37.77 0.33 -30.87 | 44.37 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.98 2.07 0.00 | 41.19 1.79 0.00 | 40.25 1.77 -0.38 |
| ASTORIA_GT_11 24225 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.03 0.00 | 40.34 0.89 0.00 | 40.33 0.96 0.00 | 39.27 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.85 2.15 0.00 | 39.71 1.94 0.00 | 33.76 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.11 1.20 0.00 | 18.91 0.99 0.00 | 25.32 1.05 -5.24 | 37.77 0.33 -30.87 | 44.37 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.98 2.07 0.00 | 41.19 1.79 0.00 | 40.25 1.77 -0.38 |
| ASTORIA_GT_12 24226 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.03 0.00 | 40.34 0.89 0.00 | 40.33 0.96 0.00 | 39.27 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.85 2.15 0.00 | 39.71 1.94 0.00 | 33.76 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.11 1.20 0.00 | 18.91 0.99 0.00 | 25.32 1.05 -5.24 | 37.77 0.33 -30.87 | 44.37 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.98 2.07 0.00 | 41.19 1.79 0.00 | 40.25 1.77 -0.38 |
| ASTORIA_GT_13 24227 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.03 0.00 | 40.34 0.89 0.00 | 40.33 0.96 0.00 | 39.27 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.85 2.15 0.00 | 39.71 1.94 0.00 | 33.76 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.11 1.20 0.00 | 18.91 0.99 0.00 | 25.32 1.05 -5.24 | 37.77 0.33 -30.87 | 44.37 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.98 2.07 0.00 | 41.19 1.79 0.00 | 40.25 1.77 -0.38 |
| ASTORIA_GT_5 24106 | 40.11 1.36 0.00 | 40.59 1.06 0.00 | 40.51 1.07 0.00 | 40.41 0.97 0.00 | 40.25 0.89 0.00 | 39.22 0.89 0.00 | 48.93 1.53 0.00 | 58.45 2.54 0.00 | 46.91 2.21 0.00 | 39.72 1.95 0.00 | 33.74 1.63 -1.54 | 27.38 1.38 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.90 0.98 0.00 | 25.31 1.03 -5.24 | 37.76 0.33 -30.87 | 44.33 1.34 -12.54 | 48.75 1.87 -4.08 | 58.29 2.31 0.00 | 64.81 2.61 0.00 | 50.99 2.08 0.00 | 41.19 1.80 0.00 | 39.64 1.54 -0.01 |
| ASTORIA_GT_7 24107 | 40.11 1.36 0.00 | 40.59 1.06 0.00 | 40.51 1.07 0.00 | 40.41 0.97 0.00 | 40.25 0.89 0.00 | 39.22 0.89 0.00 | 48.93 1.53 0.00 | 58.45 2.54 0.00 | 46.91 2.21 0.00 | 39.72 1.95 0.00 | 33.74 1.63 -1.54 | 27.38 1.38 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.90 0.98 0.00 | 25.31 1.03 -5.24 | 37.76 0.33 -30.87 | 44.33 1.34 -12.54 | 48.75 1.87 -4.08 | 58.29 2.31 0.00 | 64.81 2.61 0.00 | 50.99 2.08 0.00 | 41.19 1.80 0.00 | 39.64 1.54 -0.01 |
| ASTORIA_GT_8 24108 | 40.11 1.36 0.00 | 40.59 1.06 0.00 | 40.51 1.07 0.00 | 40.41 0.97 0.00 | 40.25 0.89 0.00 | 39.22 0.89 0.00 | 48.93 1.53 0.00 | 58.45 2.54 0.00 | 46.91 2.21 0.00 | 39.72 1.95 0.00 | 33.74 1.63 -1.54 | 27.38 1.38 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.90 0.98 0.00 | 25.31 1.03 -5.24 | 37.76 0.33 -30.87 | 44.33 1.34 -12.54 | 48.75 1.87 -4.08 | 58.29 2.31 0.00 | 64.81 2.61 0.00 | 50.99 2.08 0.00 | 41.19 1.80 0.00 | 39.64 1.54 -0.01 |
| ASTORIA___2 24149 | 40.05 1.30 0.00 | 40.54 1.01 0.00 | 40.46 1.02 0.00 | 40.36 0.92 0.00 | 40.28 0.92 0.00 | 39.16 0.83 0.00 | 48.85 1.45 0.00 | 58.34 2.44 0.00 | 46.84 2.13 0.00 | 39.65 1.88 0.00 | 33.68 1.57 -1.54 | 27.32 1.33 -1.33 | 14.25 0.74 0.01 | 23.04 1.14 0.01 | 18.86 0.95 0.01 | 25.26 1.00 -5.23 | 37.75 0.32 -30.87 | 44.27 1.28 -12.53 | 48.69 1.80 -4.08 | 58.20 2.22 0.00 | 64.71 2.50 0.00 | 50.94 2.03 0.00 | 41.13 1.74 0.00 | 39.58 1.47 -0.01 |
| ASTORIA___3 23516 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.02 0.00 | 40.34 0.90 0.00 | 40.37 1.01 0.00 | 39.28 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.86 2.15 0.00 | 39.71 1.94 0.00 | 33.75 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.91 0.99 0.00 | 25.31 1.04 -5.24 | 37.77 0.33 -30.87 | 44.36 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.99 2.08 0.00 | 41.20 1.80 0.00 | 40.24 1.76 -0.38 |
| ASTORIA___4 23517 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.03 0.00 | 40.34 0.89 0.00 | 40.33 0.96 0.00 | 39.27 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.85 2.15 0.00 | 39.71 1.94 0.00 | 33.76 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.11 1.20 0.00 | 18.91 0.99 0.00 | 25.32 1.05 -5.24 | 37.77 0.33 -30.87 | 44.37 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.98 2.07 0.00 | 41.19 1.79 0.00 | 40.25 1.77 -0.38 |
| ASTORIA___5 23518 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.02 0.00 | 40.34 0.90 0.00 | 40.37 1.01 0.00 | 39.28 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.86 2.15 0.00 | 39.71 1.94 0.00 | 33.75 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.91 0.99 0.00 | 25.31 1.04 -5.24 | 37.77 0.33 -30.87 | 44.36 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.99 2.08 0.00 | 41.20 1.80 0.00 | 40.24 1.76 -0.38 |
| AST_ENERGY_2_CC3 323677 | 39.95 1.20 0.00 | 40.53 1.01 0.00 | 40.35 0.91 0.00 | 40.24 0.80 0.00 | 40.26 0.90 0.00 | 39.20 0.87 0.00 | 48.91 1.50 0.00 | 58.36 2.45 0.00 | 46.74 2.04 0.00 | 39.59 1.82 0.00 | 33.67 1.56 -1.54 | 27.30 1.30 -1.34 | 14.25 0.73 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.25 0.98 -5.24 | 37.77 0.32 -30.90 | 44.34 1.34 -12.55 | 48.75 1.86 -4.08 | 58.36 2.38 0.00 | 64.80 2.60 0.00 | 50.90 1.99 0.00 | 41.09 1.69 0.00 | 39.74 1.64 0.00 |
| AST_ENERGY_2_CC4 323678 | 39.95 1.20 0.00 | 40.53 1.01 0.00 | 40.35 0.91 0.00 | 40.24 0.80 0.00 | 40.26 0.90 0.00 | 39.20 0.87 0.00 | 48.91 1.50 0.00 | 58.36 2.45 0.00 | 46.74 2.04 0.00 | 39.59 1.82 0.00 | 33.67 1.56 -1.54 | 27.30 1.30 -1.34 | 14.25 0.73 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.25 0.98 -5.24 | 37.77 0.32 -30.90 | 44.34 1.34 -12.55 | 48.75 1.86 -4.08 | 58.36 2.38 0.00 | 64.80 2.60 0.00 | 50.90 1.99 0.00 | 41.09 1.69 0.00 | 39.74 1.64 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ATHENS_STG_1 23668 | 39.40 0.66 0.00 | 40.13 0.61 0.00 | 39.96 0.51 0.00 | 39.87 0.43 0.00 | 39.80 0.44 0.00 | 38.74 0.42 0.00 | 48.11 0.70 0.00 | 57.05 1.15 0.00 | 45.62 0.92 0.00 | 38.60 0.84 0.00 | 31.88 0.69 -0.62 | 25.78 0.58 -0.54 | 13.83 0.31 0.00 | 22.42 0.51 0.00 | 18.33 0.41 0.00 | 21.56 0.42 -2.11 | 19.12 0.13 -12.43 | 36.10 0.60 -5.05 | 45.21 0.76 -1.64 | 57.07 1.09 0.00 | 63.38 1.18 0.00 | 49.83 0.92 0.00 | 40.18 0.79 0.00 | 38.85 0.75 0.00 |
| ATHENS_STG_2 23670 | 39.40 0.66 0.00 | 40.13 0.61 0.00 | 39.96 0.51 0.00 | 39.87 0.43 0.00 | 39.80 0.44 0.00 | 38.74 0.42 0.00 | 48.11 0.70 0.00 | 57.05 1.15 0.00 | 45.62 0.92 0.00 | 38.60 0.84 0.00 | 31.88 0.69 -0.62 | 25.78 0.58 -0.54 | 13.83 0.31 0.00 | 22.42 0.51 0.00 | 18.33 0.41 0.00 | 21.56 0.42 -2.11 | 19.12 0.13 -12.43 | 36.10 0.60 -5.05 | 45.21 0.76 -1.64 | 57.07 1.09 0.00 | 63.38 1.18 0.00 | 49.83 0.92 0.00 | 40.18 0.79 0.00 | 38.85 0.75 0.00 |
| ATHENS_STG_3 23677 | 39.40 0.66 0.00 | 40.13 0.61 0.00 | 39.96 0.51 0.00 | 39.87 0.43 0.00 | 39.80 0.44 0.00 | 38.74 0.42 0.00 | 48.11 0.70 0.00 | 57.05 1.15 0.00 | 45.62 0.92 0.00 | 38.60 0.84 0.00 | 31.88 0.69 -0.62 | 25.78 0.58 -0.54 | 13.83 0.31 0.00 | 22.42 0.51 0.00 | 18.33 0.41 0.00 | 21.56 0.42 -2.11 | 19.12 0.13 -12.43 | 36.10 0.60 -5.05 | 45.21 0.76 -1.64 | 57.07 1.09 0.00 | 63.38 1.18 0.00 | 49.83 0.92 0.00 | 40.18 0.79 0.00 | 38.85 0.75 0.00 |
| AUBURN___LFGE 323710 | 38.04 -0.70 0.00 | 38.82 -0.71 0.00 | 38.74 -0.69 0.00 | 38.79 -0.65 0.00 | 38.75 -0.62 0.00 | 37.84 -0.49 0.00 | 46.88 -0.52 0.00 | 55.26 -0.65 0.00 | 44.03 -0.67 0.00 | 36.97 -0.80 0.00 | 29.80 -0.77 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.33 -0.58 0.00 | 17.42 -0.50 0.00 | 18.48 -0.55 0.00 | 6.36 -0.20 0.00 | 29.69 -0.76 0.00 | 42.04 -0.77 0.00 | 55.06 -0.93 0.00 | 61.13 -1.08 0.00 | 47.97 -0.94 0.00 | 38.59 -0.80 0.00 | 37.38 -0.72 0.00 |
| BABYLON_RES_REC 323704 | 40.30 1.55 0.00 | 40.87 1.35 0.00 | 40.63 1.19 0.00 | 40.45 1.01 0.00 | 40.34 0.97 0.00 | 39.06 0.74 0.00 | 48.69 1.28 0.00 | 58.14 2.24 0.00 | 46.13 1.63 0.21 | 38.69 1.49 0.57 | 32.98 1.31 -1.10 | 26.47 1.04 -0.77 | 14.03 0.55 0.05 | 22.74 0.83 0.00 | 18.62 0.70 0.00 | 25.05 0.76 -5.26 | 37.87 0.31 -31.00 | 44.29 1.34 -12.50 | 48.88 1.97 -4.09 | 58.62 2.64 0.00 | 64.80 2.60 0.00 | 50.88 1.97 0.00 | 41.22 1.83 0.00 | 39.83 1.74 0.00 |
| BABYLON__69_KV_BK2 356345 | 40.67 1.93 0.00 | 41.23 1.71 0.00 | 40.98 1.55 0.00 | 40.81 1.37 0.00 | 40.67 1.31 0.00 | 39.39 1.06 0.00 | 49.13 1.73 0.00 | 58.69 2.79 0.00 | 46.13 2.08 0.65 | 37.91 1.89 1.75 | 32.37 1.61 -0.19 | 25.54 1.30 0.42 | 14.07 0.68 0.14 | 22.92 1.01 0.00 | 18.77 0.85 0.00 | 25.21 0.92 -5.26 | 37.93 0.37 -31.00 | 44.47 1.70 -12.32 | 49.41 2.51 -4.09 | 59.34 3.35 0.00 | 65.52 3.31 0.00 | 51.37 2.46 0.00 | 41.60 2.21 0.00 | 40.18 2.09 0.00 |
| BALL_HILL_WT_PWR 323825 | 36.91 -1.84 0.00 | 37.86 -1.66 0.00 | 37.82 -1.62 0.00 | 37.98 -1.46 0.00 | 38.22 -1.15 0.00 | 37.51 -0.82 0.00 | 46.26 -1.15 0.00 | 54.13 -1.78 0.00 | 43.33 -1.38 0.00 | 36.81 -0.96 0.00 | 29.66 -0.91 0.00 | 23.93 -0.73 0.00 | 13.30 -0.22 0.00 | 21.45 -0.46 0.00 | 17.53 -0.39 0.00 | 18.62 -0.42 0.00 | 6.24 -0.32 0.00 | 29.28 -1.16 0.00 | 41.45 -1.36 0.00 | 54.02 -1.96 0.00 | 60.05 -2.15 0.00 | 47.03 -1.88 0.00 | 37.86 -1.53 0.00 | 36.82 -1.27 0.00 |
| BARON_WINDS___WT_PWR 323822 | 36.10 -2.64 0.00 | 36.92 -2.61 0.00 | 36.90 -2.53 0.00 | 37.13 -2.31 0.00 | 37.03 -2.34 0.00 | 36.14 -2.19 0.00 | 44.71 -2.69 0.00 | 52.65 -3.25 0.00 | 41.97 -2.73 0.00 | 35.52 -2.25 0.00 | 28.81 -1.77 0.00 | 23.26 -1.40 0.00 | 12.94 -0.58 0.00 | 20.92 -0.99 0.00 | 17.08 -0.84 0.00 | 18.13 -0.91 0.00 | 6.13 -0.43 0.00 | 28.97 -1.48 0.00 | 41.31 -1.50 0.00 | 54.06 -1.93 0.00 | 59.97 -2.23 0.00 | 47.04 -1.87 0.00 | 37.80 -1.59 0.00 | 36.67 -1.43 0.00 |
| BARRETT_IC_1 23704 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_10 23701 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_11 23702 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_12 23703 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_2 23705 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_3 23706 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_4 23707 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |

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| BARRETT_IC_5 23708 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_6 23709 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_7 23710 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.23 0.86 0.00 | 39.08 0.75 0.00 | 48.62 1.21 0.00 | 57.87 1.97 0.00 | 46.21 1.51 0.00 | 39.20 1.44 0.00 | 33.47 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.60 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.25 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.52 1.60 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_8 23711 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT_IC_9 23700 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT___1 23545 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BARRETT___2 23546 | 40.12 1.38 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.25 0.89 0.00 | 39.08 0.75 0.00 | 48.61 1.21 0.00 | 57.87 1.97 0.00 | 46.22 1.51 0.00 | 39.21 1.44 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.59 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.13 0.83 -5.26 | 37.85 0.29 -31.00 | 44.24 1.21 -12.59 | 48.46 1.56 -4.09 | 58.10 2.12 0.00 | 64.35 2.15 0.00 | 50.53 1.61 0.00 | 40.98 1.59 0.00 | 39.61 1.52 0.00 |
| BATAVIA__115KV_TB1 55881 | 37.41 -1.34 0.00 | 38.31 -1.22 0.00 | 38.27 -1.16 0.00 | 38.53 -0.91 0.00 | 38.56 -0.80 0.00 | 37.83 -0.49 0.00 | 46.55 -0.86 0.00 | 54.32 -1.58 0.00 | 43.47 -1.23 0.00 | 36.45 -1.32 0.00 | 29.12 -1.45 0.00 | 23.40 -1.26 0.00 | 13.09 -0.43 0.00 | 20.88 -1.04 0.00 | 17.02 -0.90 0.00 | 18.12 -0.91 0.00 | 6.19 -0.37 0.00 | 28.84 -1.61 0.00 | 40.99 -1.82 0.00 | 53.45 -2.53 0.00 | 59.38 -2.83 0.00 | 46.70 -2.21 0.00 | 37.75 -1.64 0.00 | 36.87 -1.23 0.00 |
| BAYONEEC___CTG1 323682 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BAYONEEC___CTG10 323750 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BAYONEEC___CTG2 323683 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BAYONEEC___CTG3 323684 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BAYONEEC___CTG4 323685 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BAYONEEC___CTG5 323686 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BAYONEEC___CTG6 323687 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |

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| BAYONEEC___CTG7 323688 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BAYONEEC___CTG8 323689 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BAYONEEC___CTG9 323749 | 39.89 1.14 0.00 | 40.48 0.96 0.00 | 40.30 0.86 0.00 | 40.19 0.75 0.00 | 40.22 0.85 0.00 | 39.13 0.80 0.00 | 48.83 1.43 0.00 | 58.26 2.36 0.00 | 46.67 1.97 0.00 | 39.53 1.76 0.00 | 33.61 1.50 -1.54 | 27.26 1.25 -1.34 | 14.22 0.70 0.00 | 22.99 1.08 0.00 | 18.81 0.90 0.00 | 25.22 0.94 -5.24 | 37.76 0.31 -30.90 | 44.27 1.28 -12.55 | 48.67 1.79 -4.08 | 58.27 2.29 0.00 | 64.71 2.51 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| BEACON___LESR 323632 | 39.85 1.10 0.00 | 40.83 1.30 0.00 | 40.63 1.19 0.00 | 40.60 1.16 0.00 | 40.56 1.19 0.00 | 39.52 1.19 0.00 | 49.11 1.71 0.00 | 58.19 2.29 0.00 | 46.42 1.71 0.00 | 39.20 1.44 0.00 | 32.07 1.07 -0.43 | 25.90 0.86 -0.38 | 13.93 0.41 0.00 | 22.54 0.63 0.00 | 18.46 0.54 0.00 | 21.11 0.60 -1.47 | 15.47 0.23 -8.68 | 35.10 1.13 -3.52 | 45.48 1.53 -1.15 | 58.01 2.03 0.00 | 64.46 2.25 0.00 | 50.63 1.72 0.00 | 40.76 1.37 0.00 | 39.41 1.31 0.00 |
| BEAVER RIVER___HYD 24048 | 39.33 0.58 0.00 | 39.79 0.27 0.00 | 40.08 0.65 0.00 | 40.27 0.83 0.00 | 40.00 0.64 0.00 | 38.72 0.39 0.00 | 48.24 0.83 0.00 | 56.81 0.91 0.00 | 45.33 0.63 0.00 | 37.79 0.03 0.00 | 30.41 -0.16 0.00 | 24.32 -0.34 0.00 | 13.23 -0.29 0.00 | 21.45 -0.46 0.00 | 17.53 -0.39 0.00 | 18.76 -0.28 0.00 | 6.60 0.04 0.00 | 30.99 0.54 0.00 | 44.04 1.23 0.00 | 57.91 1.93 0.00 | 64.20 1.99 0.00 | 50.01 1.10 0.00 | 40.05 0.66 0.00 | 38.20 0.10 0.00 |
| BEEBEE_GT_13 23619 | 37.17 -1.58 0.00 | 38.05 -1.48 0.00 | 37.98 -1.46 0.00 | 38.18 -1.26 0.00 | 38.18 -1.19 0.00 | 37.33 -1.00 0.00 | 45.96 -1.44 0.00 | 53.87 -2.04 0.00 | 43.10 -1.61 0.00 | 36.29 -1.48 0.00 | 29.21 -1.36 0.00 | 23.56 -1.10 0.00 | 12.96 -0.56 0.00 | 20.99 -0.92 0.00 | 17.15 -0.77 0.00 | 18.24 -0.79 0.00 | 6.23 -0.33 0.00 | 29.02 -1.43 0.00 | 40.99 -1.82 0.00 | 53.34 -2.64 0.00 | 59.23 -2.97 0.00 | 46.57 -2.35 0.00 | 37.53 -1.87 0.00 | 36.50 -1.60 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 56.92 1.83 -16.34 | 56.17 1.63 -15.02 | 56.16 1.54 -15.19 | 56.17 1.38 -15.34 | 56.15 1.44 -15.34 | 56.63 1.41 -16.90 | 57.75 2.20 -8.15 | 59.89 3.30 -0.69 | 58.51 2.76 -11.04 | 58.37 2.44 -18.16 | 57.85 2.05 -25.24 | 56.12 1.73 -29.73 | 57.20 0.96 -42.71 | 56.65 1.50 -33.24 | 55.95 1.24 -36.79 | 55.96 1.31 -35.62 | 61.38 0.42 -54.40 | 58.97 1.81 -26.71 | 62.80 2.51 -17.47 | 79.60 3.19 -20.42 | 70.78 3.54 -5.03 | 64.53 2.77 -12.85 | 57.69 2.36 -15.94 | 57.45 2.24 -17.11 |
| BETHLEHEM___GRP 23843 | 39.62 0.88 0.00 | 40.47 0.95 0.00 | 40.31 0.87 0.00 | 40.28 0.84 0.00 | 40.21 0.85 0.00 | 39.18 0.85 0.00 | 48.58 1.18 0.00 | 57.46 1.56 0.00 | 45.95 1.25 0.00 | 38.82 1.05 0.00 | 31.83 0.82 -0.43 | 25.68 0.64 -0.37 | 13.83 0.31 0.00 | 22.42 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.36 0.17 -8.64 | 34.74 0.79 -3.51 | 44.99 1.04 -1.14 | 57.44 1.45 0.00 | 63.76 1.56 0.00 | 50.17 1.26 0.00 | 40.43 1.03 0.00 | 39.15 1.05 0.00 |
| BETHLEHEM___GS1 323560 | 39.62 0.88 0.00 | 40.47 0.95 0.00 | 40.31 0.87 0.00 | 40.28 0.84 0.00 | 40.21 0.85 0.00 | 39.18 0.85 0.00 | 48.58 1.18 0.00 | 57.46 1.56 0.00 | 45.95 1.24 0.00 | 38.82 1.05 0.00 | 31.82 0.82 -0.43 | 25.68 0.64 -0.37 | 13.83 0.31 0.00 | 22.41 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.36 0.17 -8.64 | 34.74 0.79 -3.51 | 44.99 1.04 -1.14 | 57.44 1.45 0.00 | 63.76 1.56 0.00 | 50.17 1.26 0.00 | 40.43 1.03 0.00 | 39.15 1.05 0.00 |
| BETHLEHEM___GS2 323561 | 39.62 0.88 0.00 | 40.47 0.95 0.00 | 40.31 0.87 0.00 | 40.28 0.84 0.00 | 40.21 0.85 0.00 | 39.18 0.85 0.00 | 48.58 1.18 0.00 | 57.46 1.56 0.00 | 45.95 1.24 0.00 | 38.82 1.05 0.00 | 31.82 0.82 -0.43 | 25.68 0.64 -0.37 | 13.83 0.31 0.00 | 22.41 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.36 0.17 -8.64 | 34.74 0.79 -3.51 | 44.99 1.04 -1.14 | 57.44 1.45 0.00 | 63.76 1.56 0.00 | 50.17 1.26 0.00 | 40.43 1.03 0.00 | 39.15 1.05 0.00 |
| BETHLEHEM___GS3 323562 | 39.62 0.88 0.00 | 40.47 0.95 0.00 | 40.31 0.87 0.00 | 40.28 0.84 0.00 | 40.21 0.85 0.00 | 39.18 0.85 0.00 | 48.58 1.18 0.00 | 57.46 1.56 0.00 | 45.95 1.24 0.00 | 38.82 1.05 0.00 | 31.82 0.82 -0.43 | 25.68 0.64 -0.37 | 13.83 0.31 0.00 | 22.41 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.36 0.17 -8.64 | 34.74 0.79 -3.51 | 44.99 1.04 -1.14 | 57.44 1.45 0.00 | 63.76 1.56 0.00 | 50.17 1.26 0.00 | 40.43 1.03 0.00 | 39.15 1.05 0.00 |
| BETHLEHEM___STEEL 23779 | 37.01 -1.74 0.00 | 37.96 -1.57 0.00 | 37.90 -1.54 0.00 | 38.18 -1.26 0.00 | 38.23 -1.13 0.00 | 37.43 -0.90 0.00 | 45.84 -1.56 0.00 | 53.43 -2.48 0.00 | 42.88 -1.83 0.00 | 36.36 -1.41 0.00 | 29.26 -1.31 0.00 | 23.64 -1.02 0.00 | 13.11 -0.41 0.00 | 21.16 -0.76 0.00 | 17.28 -0.63 0.00 | 18.41 -0.63 0.00 | 6.21 -0.35 0.00 | 28.94 -1.51 0.00 | 40.82 -1.99 0.00 | 52.85 -3.13 0.00 | 58.72 -3.49 0.00 | 46.21 -2.71 0.00 | 37.34 -2.05 0.00 | 36.49 -1.60 0.00 |
| BETHLHEM_115KV_TB1 79974 | 39.57 0.82 0.00 | 40.42 0.89 0.00 | 40.26 0.82 0.00 | 40.22 0.78 0.00 | 40.14 0.77 0.00 | 39.11 0.78 0.00 | 48.51 1.11 0.00 | 57.38 1.48 0.00 | 45.88 1.18 0.00 | 38.75 0.99 0.00 | 31.78 0.78 -0.43 | 25.65 0.62 -0.37 | 13.82 0.30 0.00 | 22.39 0.48 0.00 | 18.34 0.42 0.00 | 20.94 0.44 -1.46 | 15.33 0.16 -8.61 | 34.69 0.74 -3.50 | 44.94 0.99 -1.14 | 57.37 1.39 0.00 | 63.69 1.48 0.00 | 50.10 1.19 0.00 | 40.37 0.98 0.00 | 39.09 0.99 0.00 |
| BETHPAGE_CC_5 323564 | 40.21 1.46 0.00 | 40.79 1.27 0.00 | 40.54 1.11 0.00 | 40.38 0.93 0.00 | 40.24 0.88 0.00 | 38.97 0.64 0.00 | 48.50 1.10 0.00 | 57.87 1.96 0.00 | 46.12 1.41 0.00 | 39.11 1.34 0.00 | 33.33 1.21 -1.55 | 26.99 0.99 -1.35 | 14.05 0.53 0.00 | 22.73 0.81 0.00 | 18.61 0.70 0.00 | 25.03 0.74 -5.26 | 37.84 0.28 -31.00 | 44.25 1.21 -12.59 | 48.56 1.66 -4.09 | 58.24 2.26 0.00 | 64.42 2.21 0.00 | 50.64 1.73 0.00 | 41.04 1.65 0.00 | 39.76 1.66 0.00 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 37.15 -1.60 0.00 | 38.09 -1.44 0.00 | 38.04 -1.40 0.00 | 38.33 -1.12 0.00 | 38.38 -0.99 0.00 | 37.55 -0.78 0.00 | 46.01 -1.40 0.00 | 53.66 -2.24 0.00 | 43.07 -1.63 0.00 | 36.54 -1.23 0.00 | 29.41 -1.16 0.00 | 23.75 -0.91 0.00 | 13.17 -0.35 0.00 | 21.25 -0.66 0.00 | 17.37 -0.55 0.00 | 18.49 -0.55 0.00 | 6.24 -0.32 0.00 | 29.07 -1.38 0.00 | 41.02 -1.79 0.00 | 53.12 -2.87 0.00 | 59.02 -3.19 0.00 | 46.44 -2.47 0.00 | 37.51 -1.88 0.00 | 36.65 -1.45 0.00 |

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| BINGHAMTON___COGEN 23790 | 38.09 -0.65 0.00 | 38.81 -0.72 0.00 | 38.69 -0.75 0.00 | 38.70 -0.74 0.00 | 38.66 -0.71 0.00 | 37.75 -0.58 0.00 | 46.78 -0.63 0.00 | 55.24 -0.66 0.00 | 44.04 -0.67 0.00 | 37.18 -0.60 0.00 | 30.01 -0.56 0.00 | 24.22 -0.45 0.00 | 13.35 -0.17 0.00 | 21.60 -0.31 0.00 | 17.65 -0.27 0.00 | 18.73 -0.30 0.00 | 6.40 -0.16 0.00 | 29.90 -0.55 0.00 | 42.24 -0.57 0.00 | 55.32 -0.66 0.00 | 61.40 -0.80 0.00 | 48.13 -0.79 0.00 | 38.70 -0.70 0.00 | 37.48 -0.62 0.00 |
| BIXINCNT_115KV_LOAD 355685 | 36.98 -1.77 0.00 | 37.87 -1.65 0.00 | 38.15 -1.29 0.00 | 38.39 -1.06 0.00 | 38.41 -0.96 0.00 | 37.43 -0.90 0.00 | 45.86 -1.54 0.00 | 53.91 -2.00 0.00 | 43.39 -1.32 0.00 | 37.14 -0.63 0.00 | 29.99 -0.58 0.00 | 24.22 -0.44 0.00 | 13.42 -0.10 0.00 | 21.66 -0.25 0.00 | 17.69 -0.23 0.00 | 18.80 -0.24 0.00 | 6.31 -0.25 0.00 | 29.46 -0.99 0.00 | 41.63 -1.18 0.00 | 54.10 -1.88 0.00 | 60.20 -2.00 0.00 | 47.28 -1.63 0.00 | 38.18 -1.21 0.00 | 37.23 -0.87 0.00 |
| BLACK RIVER___HYD 24047 | 39.42 0.67 0.00 | 39.80 0.28 0.00 | 40.14 0.70 0.00 | 40.32 0.88 0.00 | 40.03 0.67 0.00 | 38.77 0.44 0.00 | 48.45 1.05 0.00 | 57.12 1.22 0.00 | 45.52 0.81 0.00 | 37.76 -0.01 0.00 | 30.23 -0.34 0.00 | 24.11 -0.56 0.00 | 13.06 -0.46 0.00 | 21.16 -0.75 0.00 | 17.29 -0.63 0.00 | 18.52 -0.52 0.00 | 6.56 0.01 0.00 | 30.92 0.48 0.00 | 44.11 1.30 0.00 | 58.15 2.16 0.00 | 64.44 2.24 0.00 | 50.17 1.26 0.00 | 40.10 0.71 0.00 | 38.10 0.00 0.00 |
| BLACKRVR_115KV_TB2 79977 | 39.42 0.67 0.00 | 39.80 0.28 0.00 | 40.14 0.70 0.00 | 40.32 0.88 0.00 | 40.03 0.67 0.00 | 38.77 0.44 0.00 | 48.45 1.05 0.00 | 57.11 1.21 0.00 | 45.52 0.81 0.00 | 37.76 -0.01 0.00 | 30.23 -0.34 0.00 | 24.10 -0.56 0.00 | 13.06 -0.46 0.00 | 21.17 -0.75 0.00 | 17.29 -0.63 0.00 | 18.52 -0.52 0.00 | 6.56 0.01 0.00 | 30.92 0.47 0.00 | 44.11 1.30 0.00 | 58.15 2.16 0.00 | 64.44 2.24 0.00 | 50.17 1.26 0.00 | 40.11 0.71 0.00 | 38.10 0.00 0.00 |
| BLISS_WT_PWR 323608 | 36.77 -1.98 0.00 | 37.64 -1.88 0.00 | 38.02 -1.41 0.00 | 38.25 -1.19 0.00 | 38.28 -1.09 0.00 | 37.29 -1.04 0.00 | 45.64 -1.76 0.00 | 53.70 -2.20 0.00 | 43.29 -1.42 0.00 | 37.13 -0.64 0.00 | 30.03 -0.54 0.00 | 24.24 -0.41 0.00 | 13.43 -0.09 0.00 | 21.68 -0.23 0.00 | 17.71 -0.21 0.00 | 18.82 -0.22 0.00 | 6.32 -0.24 0.00 | 29.50 -0.95 0.00 | 41.67 -1.14 0.00 | 54.13 -1.85 0.00 | 60.26 -1.94 0.00 | 47.32 -1.59 0.00 | 38.21 -1.18 0.00 | 37.25 -0.84 0.00 |
| BLUESTONE___WT_PWR 323821 | 38.68 -0.07 0.00 | 38.41 -1.11 0.00 | 38.06 -1.38 0.00 | 37.87 -1.57 0.00 | 37.89 -1.48 0.00 | 37.11 -1.22 0.00 | 46.16 -1.25 0.00 | 54.53 -1.37 0.00 | 43.28 -1.43 0.00 | 36.36 -1.41 0.00 | 29.33 -1.24 0.00 | 23.99 -0.68 0.00 | 13.36 -0.16 0.00 | 21.89 -0.03 0.00 | 17.92 0.00 0.00 | 19.06 0.03 0.00 | 6.52 -0.04 0.00 | 30.77 0.32 0.00 | 43.80 0.99 0.00 | 57.36 1.38 0.00 | 62.67 0.47 0.00 | 48.13 -0.78 0.00 | 38.46 -0.93 0.00 | 37.27 -0.82 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 39.05 0.31 0.00 | 40.47 0.95 0.00 | 40.38 0.95 0.00 | 40.37 0.93 0.00 | 40.30 0.93 0.00 | 39.27 0.95 0.00 | 48.68 1.28 0.00 | 57.52 1.62 0.00 | 45.87 1.17 0.00 | 38.65 0.88 0.00 | 31.69 0.72 -0.39 | 25.54 0.54 -0.34 | 13.76 0.24 0.00 | 22.28 0.37 0.00 | 18.27 0.35 0.00 | 20.73 0.36 -1.33 | 14.54 0.13 -7.85 | 34.37 0.74 -3.19 | 44.92 1.08 -1.04 | 57.49 1.51 0.00 | 63.83 1.63 0.00 | 50.23 1.31 0.00 | 40.47 1.08 0.00 | 39.19 1.09 0.00 |
| BOC_GAS_DRP 24189 | 39.26 0.52 0.00 | 40.11 0.59 0.00 | 39.98 0.54 0.00 | 39.94 0.49 0.00 | 39.86 0.49 0.00 | 38.83 0.49 0.00 | 48.14 0.73 0.00 | 56.95 1.05 0.00 | 45.54 0.83 0.00 | 38.49 0.72 0.00 | 31.58 0.59 -0.42 | 25.51 0.48 -0.37 | 13.76 0.24 0.00 | 22.30 0.39 0.00 | 18.25 0.33 0.00 | 20.81 0.34 -1.43 | 15.12 0.12 -8.45 | 34.41 0.53 -3.43 | 44.61 0.69 -1.12 | 56.96 0.98 0.00 | 63.26 1.05 0.00 | 49.76 0.84 0.00 | 40.09 0.70 0.00 | 38.81 0.72 0.00 |
| BOONVILLE_115KV_TB1 79983 | 39.52 0.77 0.00 | 40.10 0.58 0.00 | 40.17 0.73 0.00 | 40.26 0.82 0.00 | 40.10 0.73 0.00 | 38.98 0.65 0.00 | 48.48 1.08 0.00 | 57.23 1.33 0.00 | 45.67 0.97 0.00 | 38.30 0.53 0.00 | 30.84 0.27 0.00 | 24.75 0.08 0.00 | 13.52 0.00 0.00 | 21.91 -0.01 0.00 | 17.92 0.00 0.00 | 19.09 0.06 0.00 | 6.64 0.08 0.00 | 31.11 0.66 0.00 | 44.07 1.26 0.00 | 57.84 1.86 0.00 | 64.15 1.94 0.00 | 50.13 1.21 0.00 | 40.24 0.85 0.00 | 38.65 0.55 0.00 |
| BORALEX_4TH_BRANCH 23824 | 40.38 1.63 0.00 | 41.07 1.55 0.00 | 40.77 1.34 0.00 | 40.75 1.31 0.00 | 40.69 1.32 0.00 | 39.70 1.37 0.00 | 49.10 1.69 0.00 | 57.87 1.96 0.00 | 46.38 1.68 0.00 | 39.17 1.40 0.00 | 31.95 0.89 -0.49 | 25.76 0.67 -0.42 | 13.82 0.30 0.00 | 22.39 0.48 0.00 | 18.41 0.50 0.00 | 21.26 0.56 -1.66 | 16.55 0.18 -9.81 | 35.35 0.92 -3.98 | 45.33 1.22 -1.30 | 57.89 1.91 0.00 | 64.16 1.96 0.00 | 50.52 1.61 0.00 | 40.81 1.42 0.00 | 39.55 1.45 0.00 |
| BOWLINE___1 23526 | 39.49 0.75 0.00 | 40.14 0.62 0.00 | 39.99 0.55 0.00 | 39.86 0.42 0.00 | 39.82 0.45 0.00 | 38.77 0.44 0.00 | 48.34 0.94 0.00 | 57.55 1.65 0.00 | 46.01 1.31 0.00 | 38.93 1.16 0.00 | 30.01 0.97 1.53 | 24.14 0.81 1.33 | 13.97 0.45 0.00 | 22.59 0.68 0.00 | 18.49 0.57 0.00 | 14.44 0.60 5.20 | -23.88 0.19 30.63 | 18.82 0.81 12.43 | 39.89 1.12 4.04 | 57.62 1.64 0.00 | 64.04 1.83 0.00 | 50.28 1.36 0.00 | 40.52 1.13 0.00 | 39.13 1.03 0.00 |
| BOWLINE___2 23595 | 39.49 0.75 0.00 | 40.15 0.62 0.00 | 39.99 0.55 0.00 | 39.86 0.42 0.00 | 39.82 0.45 0.00 | 38.77 0.44 0.00 | 48.34 0.94 0.00 | 57.55 1.65 0.00 | 46.01 1.31 0.00 | 38.93 1.16 0.00 | 30.01 0.97 1.53 | 24.14 0.81 1.33 | 13.97 0.45 0.00 | 22.59 0.68 0.00 | 18.49 0.57 0.00 | 14.44 0.60 5.19 | -23.87 0.19 30.62 | 18.82 0.81 12.43 | 39.89 1.12 4.04 | 57.62 1.64 0.00 | 64.04 1.83 0.00 | 50.28 1.36 0.00 | 40.52 1.13 0.00 | 39.13 1.03 0.00 |
| BRADY___115KV_TB2 356060 | 40.38 1.63 0.00 | 41.26 1.74 0.00 | 41.32 1.88 0.00 | 41.40 1.96 0.00 | 41.30 1.93 0.00 | 40.20 1.87 0.00 | 49.51 2.11 0.00 | 57.97 2.07 0.00 | 46.34 1.63 0.00 | 38.95 1.18 0.00 | 31.36 0.79 0.00 | 25.28 0.62 0.00 | 13.86 0.33 0.00 | 22.46 0.55 0.00 | 18.38 0.47 0.00 | 19.59 0.56 0.00 | 6.80 0.24 0.00 | 31.56 1.11 0.00 | 44.45 1.65 0.00 | 58.15 2.17 0.00 | 64.75 2.55 0.00 | 51.02 2.11 0.00 | 41.04 1.65 0.00 | 39.53 1.43 0.00 |
| BRANSCOMB___SOLAR 323811 | 40.27 1.52 0.00 | 40.99 1.47 0.00 | 40.87 1.44 0.00 | 40.86 1.42 0.00 | 40.83 1.46 0.00 | 39.84 1.51 0.00 | 49.47 2.06 0.00 | 58.50 2.60 0.00 | 46.63 1.92 0.00 | 39.27 1.50 0.00 | 31.87 0.89 -0.42 | 25.69 0.67 -0.36 | 13.81 0.29 0.00 | 22.36 0.45 0.00 | 18.34 0.42 0.00 | 20.90 0.45 -1.41 | 15.04 0.18 -8.30 | 34.91 1.09 -3.37 | 45.52 1.61 -1.10 | 58.39 2.41 0.00 | 64.74 2.54 0.00 | 50.85 1.94 0.00 | 40.95 1.55 0.00 | 39.65 1.55 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 40.52 1.78 0.00 | 41.11 1.59 0.00 | 40.89 1.45 0.00 | 40.70 1.25 0.00 | 40.57 1.20 0.00 | 39.27 0.94 0.00 | 48.94 1.53 0.00 | 58.46 2.56 0.00 | 46.16 1.94 0.49 | 38.29 1.83 1.31 | 32.68 1.58 -0.53 | 25.98 1.30 -0.02 | 14.09 0.67 0.10 | 22.89 0.98 0.00 | 18.75 0.83 0.00 | 25.19 0.90 -5.26 | 37.92 0.36 -31.00 | 44.44 1.60 -12.39 | 49.28 2.38 -4.09 | 59.08 3.10 0.00 | 65.22 3.01 0.00 | 51.10 2.19 0.00 | 41.40 2.01 0.00 | 40.02 1.92 0.00 |

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| BRISTLHL_115KV_TB1 79998 | 37.29 -1.45 0.00 | 38.05 -1.48 0.00 | 37.99 -1.45 0.00 | 38.04 -1.40 0.00 | 37.97 -1.39 0.00 | 36.99 -1.34 0.00 | 45.77 -1.64 0.00 | 53.97 -1.94 0.00 | 43.07 -1.63 0.00 | 36.28 -1.49 0.00 | 29.36 -1.22 0.00 | 23.65 -1.01 0.00 | 12.97 -0.55 0.00 | 21.00 -0.91 0.00 | 17.16 -0.76 0.00 | 18.21 -0.82 0.00 | 6.27 -0.29 0.00 | 29.20 -1.25 0.00 | 41.14 -1.66 0.00 | 53.85 -2.13 0.00 | 59.78 -2.43 0.00 | 46.94 -1.97 0.00 | 37.78 -1.61 0.00 | 36.60 -1.49 0.00 |
| BROOKHAVEN___DRP 24191 | 39.95 1.21 0.00 | 40.53 1.01 0.00 | 40.27 0.84 0.00 | 40.05 0.61 0.00 | 39.91 0.54 0.00 | 38.22 -0.11 0.00 | 47.78 0.38 0.00 | 56.99 1.09 0.00 | 40.30 0.43 4.83 | 25.34 0.52 12.96 | 22.67 0.62 8.52 | 13.49 0.55 11.73 | 12.81 0.29 0.99 | 22.36 0.44 0.00 | 18.28 0.37 0.01 | 24.73 0.44 -5.26 | 37.78 0.22 -31.00 | 41.81 0.76 -10.60 | 48.15 1.24 -4.09 | 57.82 1.84 0.00 | 63.66 1.45 0.00 | 50.19 1.27 0.00 | 40.77 1.38 0.00 | 39.32 1.23 0.00 |
| BROOKLYN_NAVY_YARD 23515 | 39.87 1.12 0.00 | 40.43 0.91 0.00 | 40.24 0.80 0.00 | 40.16 0.72 0.00 | 40.23 0.87 0.00 | 39.12 0.79 0.00 | 48.76 1.36 0.00 | 58.19 2.29 0.00 | 46.61 1.91 0.00 | 39.49 1.72 0.00 | 33.59 1.48 -1.54 | 27.24 1.24 -1.34 | 14.21 0.69 0.00 | 22.98 1.07 0.00 | 18.80 0.88 0.00 | 25.20 0.93 -5.24 | 37.76 0.30 -30.90 | 44.23 1.24 -12.55 | 48.64 1.75 -4.08 | 58.25 2.26 0.00 | 64.71 2.50 0.00 | 50.81 1.89 0.00 | 41.03 1.63 0.00 | 39.71 1.61 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| BROOKVLE_69_KV_TB1 55790 | 40.37 1.62 0.00 | 40.96 1.43 0.00 | 40.71 1.27 0.00 | 40.57 1.12 0.00 | 40.47 1.10 0.00 | 39.30 0.97 0.00 | 49.02 1.62 0.00 | 58.47 2.57 0.00 | 46.66 1.96 0.00 | 39.53 1.76 0.00 | 33.66 1.54 -1.55 | 27.26 1.26 -1.35 | 14.21 0.68 0.00 | 22.97 1.06 0.00 | 18.81 0.89 0.00 | 25.24 0.94 -5.26 | 37.91 0.35 -31.00 | 44.58 1.54 -12.59 | 48.99 2.09 -4.09 | 58.78 2.80 0.00 | 65.09 2.88 0.00 | 51.07 2.16 0.00 | 41.34 1.94 0.00 | 39.93 1.83 0.00 |
| BROOME_2_LFGE 323671 | 38.09 -0.66 0.00 | 38.81 -0.72 0.00 | 38.69 -0.75 0.00 | 38.70 -0.74 0.00 | 38.66 -0.71 0.00 | 37.75 -0.58 0.00 | 46.78 -0.63 0.00 | 55.24 -0.66 0.00 | 44.04 -0.67 0.00 | 37.17 -0.60 0.00 | 30.01 -0.56 0.00 | 24.21 -0.45 0.00 | 13.35 -0.18 0.00 | 21.60 -0.31 0.00 | 17.65 -0.27 0.00 | 18.73 -0.30 0.00 | 6.39 -0.17 0.00 | 29.90 -0.55 0.00 | 42.24 -0.57 0.00 | 55.33 -0.66 0.00 | 61.40 -0.80 0.00 | 48.13 -0.79 0.00 | 38.69 -0.70 0.00 | 37.48 -0.62 0.00 |
| BROOME___LFGE 323600 | 38.09 -0.66 0.00 | 38.81 -0.72 0.00 | 38.69 -0.75 0.00 | 38.70 -0.74 0.00 | 38.66 -0.71 0.00 | 37.75 -0.58 0.00 | 46.78 -0.63 0.00 | 55.24 -0.66 0.00 | 44.04 -0.67 0.00 | 37.17 -0.60 0.00 | 30.01 -0.56 0.00 | 24.21 -0.45 0.00 | 13.35 -0.18 0.00 | 21.60 -0.31 0.00 | 17.65 -0.27 0.00 | 18.73 -0.30 0.00 | 6.39 -0.17 0.00 | 29.90 -0.55 0.00 | 42.24 -0.57 0.00 | 55.33 -0.66 0.00 | 61.40 -0.80 0.00 | 48.13 -0.79 0.00 | 38.69 -0.70 0.00 | 37.48 -0.62 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 39.31 0.56 0.00 | 39.93 0.41 0.00 | 40.14 0.71 0.00 | 40.29 0.85 0.00 | 40.08 0.72 0.00 | 38.88 0.55 0.00 | 48.19 0.79 0.00 | 56.61 0.71 0.00 | 45.23 0.52 0.00 | 37.88 0.11 0.00 | 30.51 -0.06 0.00 | 24.48 -0.18 0.00 | 13.36 -0.16 0.00 | 21.65 -0.26 0.00 | 17.71 -0.21 0.00 | 18.91 -0.12 0.00 | 6.62 0.06 0.00 | 30.91 0.46 0.00 | 43.69 0.88 0.00 | 57.27 1.29 0.00 | 63.61 1.40 0.00 | 49.80 0.89 0.00 | 39.95 0.56 0.00 | 38.25 0.16 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 40.27 1.53 0.00 | 40.86 1.34 0.00 | 40.67 1.23 0.00 | 40.56 1.11 0.00 | 40.56 1.19 0.00 | 39.51 1.18 0.00 | 49.36 1.95 0.00 | 58.90 2.99 0.00 | 47.18 2.48 0.00 | 39.94 2.17 0.00 | 33.94 1.83 -1.54 | 27.52 1.51 -1.34 | 14.37 0.85 0.00 | 23.22 1.31 0.00 | 19.00 1.08 0.00 | 25.42 1.14 -5.24 | 37.83 0.38 -30.90 | 44.62 1.63 -12.55 | 49.16 2.27 -4.08 | 58.92 2.94 0.00 | 65.42 3.22 0.00 | 51.37 2.46 0.00 | 41.46 2.07 0.00 | 40.06 1.96 0.00 |
| BURROWS___LYONSDAL 23803 | 39.43 0.68 0.00 | 39.96 0.44 0.00 | 40.11 0.67 0.00 | 40.23 0.79 0.00 | 40.02 0.66 0.00 | 38.84 0.51 0.00 | 48.35 0.94 0.00 | 57.04 1.14 0.00 | 45.53 0.83 0.00 | 38.12 0.35 0.00 | 30.70 0.13 0.00 | 24.61 -0.05 0.00 | 13.44 -0.08 0.00 | 21.78 -0.13 0.00 | 17.81 -0.10 0.00 | 19.01 -0.03 0.00 | 6.63 0.07 0.00 | 31.08 0.63 0.00 | 44.06 1.25 0.00 | 57.86 1.88 0.00 | 64.15 1.94 0.00 | 50.07 1.15 0.00 | 40.15 0.76 0.00 | 38.48 0.39 0.00 |
| CAITHNESS_CC_1 323624 | 39.96 1.21 0.00 | 40.53 1.01 0.00 | 40.27 0.83 0.00 | 40.06 0.62 0.00 | 39.94 0.58 0.00 | 38.32 -0.01 0.00 | 47.83 0.42 0.00 | 57.06 1.16 0.00 | 40.43 0.56 4.83 | 25.45 0.65 12.97 | 22.76 0.71 8.53 | 13.54 0.62 11.74 | 12.85 0.32 1.00 | 22.40 0.49 0.00 | 18.32 0.41 0.01 | 24.77 0.47 -5.26 | 37.78 0.22 -31.00 | 41.84 0.79 -10.60 | 48.17 1.27 -4.09 | 57.81 1.83 0.00 | 63.71 1.51 0.00 | 50.25 1.33 0.00 | 40.80 1.41 0.00 | 39.38 1.29 0.00 |
| CALPINE BETH_PAGE_GT4 24209 | 40.13 1.38 0.00 | 40.71 1.19 0.00 | 40.46 1.03 0.00 | 40.30 0.86 0.00 | 40.16 0.79 0.00 | 38.93 0.60 0.00 | 48.49 1.09 0.00 | 57.86 1.96 0.00 | 46.12 1.42 0.00 | 39.10 1.33 0.00 | 33.31 1.20 -1.55 | 26.99 0.98 -1.35 | 14.05 0.52 0.00 | 22.71 0.80 0.00 | 18.61 0.69 0.00 | 25.02 0.74 -5.26 | 37.84 0.28 -31.00 | 44.25 1.21 -12.59 | 48.59 1.69 -4.09 | 58.28 2.29 0.00 | 64.46 2.25 0.00 | 50.63 1.72 0.00 | 41.02 1.63 0.00 | 39.68 1.59 0.00 |
| CALPINE_BETH_PAGE_GT_4 323586 | 40.13 1.38 0.00 | 40.71 1.19 0.00 | 40.46 1.03 0.00 | 40.30 0.85 0.00 | 40.18 0.82 0.00 | 38.93 0.60 0.00 | 48.49 1.08 0.00 | 57.86 1.96 0.00 | 46.13 1.42 0.00 | 39.10 1.33 0.00 | 33.32 1.20 -1.55 | 26.98 0.98 -1.35 | 14.05 0.52 0.00 | 22.71 0.80 0.00 | 18.60 0.69 0.00 | 25.02 0.73 -5.26 | 37.84 0.28 -31.00 | 44.25 1.21 -12.59 | 48.59 1.69 -4.09 | 58.27 2.29 0.00 | 64.46 2.25 0.00 | 50.63 1.72 0.00 | 41.02 1.62 0.00 | 39.68 1.59 0.00 |
| CALPINE_BP_GT1 23823 | 40.13 1.38 0.00 | 40.71 1.19 0.00 | 40.46 1.03 0.00 | 40.30 0.85 0.00 | 40.18 0.82 0.00 | 38.93 0.60 0.00 | 48.49 1.08 0.00 | 57.86 1.96 0.00 | 46.13 1.42 0.00 | 39.10 1.33 0.00 | 33.32 1.20 -1.55 | 26.98 0.98 -1.35 | 14.05 0.52 0.00 | 22.71 0.80 0.00 | 18.60 0.69 0.00 | 25.02 0.73 -5.26 | 37.84 0.28 -31.00 | 44.25 1.21 -12.59 | 48.59 1.69 -4.09 | 58.27 2.29 0.00 | 64.46 2.25 0.00 | 50.63 1.72 0.00 | 41.02 1.62 0.00 | 39.68 1.59 0.00 |
| CALSPAN___DRP 24200 | 37.01 -1.74 0.00 | 37.96 -1.57 0.00 | 37.90 -1.54 0.00 | 38.18 -1.26 0.00 | 38.23 -1.13 0.00 | 37.43 -0.90 0.00 | 45.84 -1.56 0.00 | 53.43 -2.48 0.00 | 42.88 -1.83 0.00 | 36.36 -1.41 0.00 | 29.26 -1.31 0.00 | 23.64 -1.02 0.00 | 13.11 -0.41 0.00 | 21.16 -0.76 0.00 | 17.28 -0.63 0.00 | 18.41 -0.63 0.00 | 6.21 -0.35 0.00 | 28.94 -1.51 0.00 | 40.82 -1.99 0.00 | 52.85 -3.13 0.00 | 58.72 -3.49 0.00 | 46.21 -2.71 0.00 | 37.34 -2.05 0.00 | 36.49 -1.60 0.00 |

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| CALVERTON___SOLAR 323806 | 40.00 1.26 0.00 | 40.60 1.08 0.00 | 40.32 0.88 0.00 | 40.09 0.65 0.00 | 39.99 0.62 0.00 | 38.22 -0.11 0.00 | 47.82 0.41 0.00 | 56.99 1.09 0.00 | 40.27 0.39 4.83 | 25.29 0.48 12.96 | 22.65 0.60 8.52 | 13.47 0.54 11.73 | 12.81 0.28 0.99 | 22.35 0.44 0.00 | 18.27 0.36 0.01 | 24.73 0.44 -5.26 | 37.79 0.23 -31.00 | 41.80 0.75 -10.60 | 48.16 1.26 -4.09 | 57.86 1.88 0.00 | 63.66 1.45 0.00 | 50.19 1.28 0.00 | 40.74 1.35 0.00 | 39.28 1.19 0.00 |
| CANDIGU_WT_PWR 323617 | 36.10 -2.64 0.00 | 36.92 -2.61 0.00 | 36.90 -2.53 0.00 | 37.13 -2.31 0.00 | 37.03 -2.34 0.00 | 36.14 -2.19 0.00 | 44.71 -2.69 0.00 | 52.65 -3.25 0.00 | 41.97 -2.73 0.00 | 35.52 -2.25 0.00 | 28.81 -1.77 0.00 | 23.26 -1.40 0.00 | 12.94 -0.58 0.00 | 20.92 -0.99 0.00 | 17.08 -0.84 0.00 | 18.13 -0.91 0.00 | 6.13 -0.43 0.00 | 28.97 -1.48 0.00 | 41.31 -1.50 0.00 | 54.06 -1.93 0.00 | 59.97 -2.23 0.00 | 47.04 -1.87 0.00 | 37.80 -1.59 0.00 | 36.67 -1.43 0.00 |
| CARR STREET_E_SYR 24060 | 37.61 -1.14 0.00 | 38.38 -1.15 0.00 | 38.30 -1.13 0.00 | 38.35 -1.09 0.00 | 38.28 -1.08 0.00 | 37.32 -1.01 0.00 | 46.18 -1.22 0.00 | 54.47 -1.43 0.00 | 43.48 -1.23 0.00 | 36.64 -1.13 0.00 | 29.64 -0.93 0.00 | 23.90 -0.76 0.00 | 13.11 -0.41 0.00 | 21.24 -0.67 0.00 | 17.35 -0.57 0.00 | 18.39 -0.64 0.00 | 6.32 -0.24 0.00 | 29.39 -1.06 0.00 | 41.41 -1.40 0.00 | 54.17 -1.81 0.00 | 60.14 -2.06 0.00 | 47.23 -1.68 0.00 | 38.13 -1.27 0.00 | 36.94 -1.16 0.00 |
| CARTHAGE___PAPER 23857 | 39.73 0.99 0.00 | 40.17 0.65 0.00 | 40.48 1.04 0.00 | 40.66 1.21 0.00 | 40.39 1.03 0.00 | 39.12 0.79 0.00 | 48.81 1.41 0.00 | 57.50 1.60 0.00 | 45.81 1.10 0.00 | 38.05 0.28 0.00 | 30.54 -0.03 0.00 | 24.38 -0.29 0.00 | 13.22 -0.30 0.00 | 21.43 -0.48 0.00 | 17.51 -0.41 0.00 | 18.75 -0.29 0.00 | 6.63 0.07 0.00 | 31.21 0.76 0.00 | 44.46 1.65 0.00 | 58.56 2.58 0.00 | 64.90 2.70 0.00 | 50.55 1.63 0.00 | 40.45 1.06 0.00 | 38.48 0.38 0.00 |
| CASSADAGA_WT_PWR 323784 | 36.95 -1.80 0.00 | 38.08 -1.44 0.00 | 38.23 -1.21 0.00 | 38.36 -1.08 0.00 | 38.70 -0.67 0.00 | 37.98 -0.35 0.00 | 47.05 -0.35 0.00 | 55.02 -0.89 0.00 | 44.13 -0.58 0.00 | 37.68 -0.08 0.00 | 30.46 -0.11 0.00 | 24.54 -0.12 0.00 | 13.64 0.11 0.00 | 21.98 0.07 0.00 | 17.96 0.04 0.00 | 19.04 0.01 0.00 | 6.37 -0.19 0.00 | 29.94 -0.50 0.00 | 42.42 -0.39 0.00 | 55.36 -0.62 0.00 | 61.58 -0.62 0.00 | 48.16 -0.75 0.00 | 38.69 -0.70 0.00 | 37.50 -0.60 0.00 |
| CE_DUNWOOD___DRP 24194 | 39.80 1.06 0.00 | 40.43 0.90 0.00 | 40.23 0.79 0.00 | 40.12 0.68 0.00 | 40.06 0.70 0.00 | 39.04 0.71 0.00 | 48.69 1.28 0.00 | 58.01 2.11 0.00 | 46.41 1.71 0.00 | 39.29 1.52 0.00 | 33.48 1.30 -1.61 | 27.13 1.08 -1.40 | 14.11 0.59 0.00 | 22.82 0.91 0.00 | 18.68 0.76 0.00 | 25.30 0.81 -5.46 | 39.00 0.26 -32.17 | 44.64 1.13 -13.06 | 48.61 1.56 -4.25 | 58.06 2.08 0.00 | 64.47 2.26 0.00 | 50.63 1.72 0.00 | 40.84 1.46 0.00 | 39.46 1.36 0.00 |
| CE_MILLWOOD___DRP 24193 | 39.68 0.94 0.00 | 40.33 0.80 0.00 | 40.15 0.71 0.00 | 40.02 0.58 0.00 | 39.97 0.60 0.00 | 38.93 0.60 0.00 | 48.55 1.15 0.00 | 57.82 1.92 0.00 | 46.25 1.55 0.00 | 39.14 1.37 0.00 | 37.94 1.16 -6.21 | 31.03 0.97 -5.40 | 14.05 0.53 0.00 | 22.72 0.81 0.00 | 18.60 0.68 0.00 | 40.84 0.72 -21.09 | 131.13 0.24 -124.34 | 81.94 1.00 -50.49 | 60.60 1.37 -16.42 | 57.88 1.90 0.00 | 64.28 2.08 0.00 | 50.48 1.56 0.00 | 40.71 1.32 0.00 | 39.32 1.23 0.00 |
| CE_NYC2_DRP 24202 | 40.09 1.34 0.00 | 40.66 1.14 0.00 | 40.49 1.05 0.00 | 40.37 0.93 0.00 | 40.35 0.99 0.00 | 39.31 0.97 0.00 | 49.01 1.60 0.00 | 58.49 2.59 0.00 | 46.89 2.18 0.00 | 39.73 1.96 0.00 | 33.77 1.66 -1.54 | 27.41 1.41 -1.34 | 14.30 0.78 0.00 | 23.12 1.21 0.00 | 18.92 1.00 0.00 | 25.33 1.06 -5.24 | 37.77 0.34 -30.87 | 44.40 1.42 -12.54 | 48.84 1.95 -4.08 | 58.47 2.49 0.00 | 64.96 2.75 0.00 | 51.02 2.11 0.00 | 41.22 1.83 0.00 | 40.26 1.78 -0.38 |
| CE_NYC_DRP 24195 | 39.93 1.18 0.00 | 40.52 1.00 0.00 | 40.33 0.90 0.00 | 40.23 0.79 0.00 | 40.23 0.86 0.00 | 39.17 0.84 0.00 | 48.90 1.49 0.00 | 58.36 2.46 0.00 | 46.74 2.03 0.00 | 39.59 1.82 0.00 | 33.66 1.54 -1.54 | 27.30 1.29 -1.34 | 14.24 0.72 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.25 0.98 -5.24 | 37.78 0.32 -30.91 | 44.34 1.35 -12.55 | 48.75 1.86 -4.08 | 58.36 2.38 0.00 | 64.80 2.60 0.00 | 50.88 1.96 0.00 | 41.07 1.68 0.00 | 39.71 1.61 0.00 |
| CHAFFEE___LFGE 323603 | 37.67 -1.08 0.00 | 38.61 -0.91 0.00 | 38.41 -1.03 0.00 | 38.57 -0.87 0.00 | 38.52 -0.85 0.00 | 37.35 -0.98 0.00 | 46.22 -1.19 0.00 | 54.57 -1.33 0.00 | 43.67 -1.04 0.00 | 36.99 -0.78 0.00 | 29.84 -0.73 0.00 | 24.13 -0.54 0.00 | 13.39 -0.13 0.00 | 21.61 -0.30 0.00 | 17.65 -0.27 0.00 | 18.72 -0.32 0.00 | 6.24 -0.31 0.00 | 29.20 -1.25 0.00 | 41.35 -1.46 0.00 | 53.99 -1.99 0.00 | 60.13 -2.07 0.00 | 47.05 -1.87 0.00 | 37.99 -1.41 0.00 | 36.91 -1.18 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 40.24 1.50 0.00 | 41.12 1.60 0.00 | 41.18 1.74 0.00 | 41.27 1.82 0.00 | 41.14 1.77 0.00 | 39.97 1.64 0.00 | 49.16 1.76 0.00 | 57.63 1.73 0.00 | 46.08 1.38 0.00 | 38.94 1.17 0.00 | 31.51 0.94 0.00 | 25.37 0.71 0.00 | 13.89 0.37 0.00 | 22.52 0.61 0.00 | 18.45 0.53 0.00 | 19.64 0.60 0.00 | 6.78 0.22 0.00 | 31.45 1.00 0.00 | 44.20 1.39 0.00 | 57.69 1.71 0.00 | 64.14 1.94 0.00 | 50.34 1.42 0.00 | 40.38 0.99 0.00 | 38.82 0.73 0.00 |
| CHATEAUG_WT_PWR 323614 | 40.14 1.40 0.00 | 40.99 1.47 0.00 | 41.08 1.64 0.00 | 41.15 1.70 0.00 | 41.02 1.66 0.00 | 39.85 1.52 0.00 | 48.99 1.59 0.00 | 57.43 1.53 0.00 | 45.99 1.28 0.00 | 38.89 1.12 0.00 | 31.50 0.93 0.00 | 25.39 0.73 0.00 | 13.90 0.38 0.00 | 22.53 0.62 0.00 | 18.46 0.54 0.00 | 19.65 0.62 0.00 | 6.78 0.22 0.00 | 31.42 0.97 0.00 | 44.12 1.31 0.00 | 57.52 1.54 0.00 | 63.94 1.74 0.00 | 50.12 1.20 0.00 | 40.23 0.84 0.00 | 38.72 0.63 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 40.24 1.50 0.00 | 41.12 1.60 0.00 | 41.18 1.74 0.00 | 41.27 1.82 0.00 | 41.14 1.77 0.00 | 39.97 1.64 0.00 | 49.16 1.76 0.00 | 57.63 1.73 0.00 | 46.08 1.38 0.00 | 38.94 1.17 0.00 | 31.51 0.94 0.00 | 25.37 0.71 0.00 | 13.89 0.37 0.00 | 22.52 0.61 0.00 | 18.45 0.53 0.00 | 19.64 0.60 0.00 | 6.78 0.22 0.00 | 31.45 1.00 0.00 | 44.20 1.39 0.00 | 57.69 1.71 0.00 | 64.14 1.94 0.00 | 50.34 1.42 0.00 | 40.38 0.99 0.00 | 38.82 0.73 0.00 |
| CHAUTAUQUA___LFGE 323629 | 37.04 -1.71 0.00 | 38.06 -1.47 0.00 | 38.06 -1.38 0.00 | 38.17 -1.27 0.00 | 38.46 -0.90 0.00 | 37.78 -0.55 0.00 | 46.68 -0.73 0.00 | 54.58 -1.32 0.00 | 43.70 -1.00 0.00 | 37.14 -0.63 0.00 | 29.92 -0.65 0.00 | 24.12 -0.54 0.00 | 13.41 -0.11 0.00 | 21.62 -0.29 0.00 | 17.68 -0.24 0.00 | 18.76 -0.27 0.00 | 6.28 -0.28 0.00 | 29.52 -0.93 0.00 | 41.83 -0.98 0.00 | 54.60 -1.38 0.00 | 60.72 -1.48 0.00 | 47.50 -1.41 0.00 | 38.19 -1.20 0.00 | 37.10 -0.99 0.00 |
| CHERRYST_13_KV_LD 356241 | 40.03 1.28 0.00 | 40.62 1.10 0.00 | 40.43 1.00 0.00 | 40.33 0.89 0.00 | 40.34 0.97 0.00 | 39.29 0.96 0.00 | 49.04 1.64 0.00 | 58.54 2.64 0.00 | 46.91 2.20 0.00 | 39.73 1.96 0.00 | 33.77 1.66 -1.54 | 27.39 1.39 -1.34 | 14.30 0.78 0.00 | 23.11 1.20 0.00 | 18.91 0.99 0.00 | 25.33 1.05 -5.24 | 37.80 0.34 -30.90 | 44.46 1.46 -12.55 | 48.90 2.01 -4.08 | 58.56 2.58 0.00 | 64.99 2.78 0.00 | 51.01 2.10 0.00 | 41.18 1.79 0.00 | 39.81 1.72 0.00 |

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| CHESTROR_138KV_BK263 355645 | 39.42 0.68 0.00 | 40.09 0.57 0.00 | 39.94 0.50 0.00 | 39.82 0.38 0.00 | 39.77 0.40 0.00 | 38.74 0.41 0.00 | 48.25 0.85 0.00 | 57.28 1.38 0.00 | 45.77 1.07 0.00 | 38.69 0.92 0.00 | 28.63 0.73 2.67 | 22.97 0.63 2.32 | 13.87 0.35 0.00 | 22.44 0.53 0.00 | 18.35 0.44 0.00 | 10.42 0.45 9.07 | -46.76 0.15 53.47 | 9.38 0.64 21.71 | 36.69 0.95 7.06 | 57.44 1.45 0.00 | 63.82 1.62 0.00 | 50.13 1.22 0.00 | 40.40 1.01 0.00 | 39.02 0.92 0.00 |
| CH_MIDHUDSON___DRP 24192 | 39.82 1.07 0.00 | 40.48 0.95 0.00 | 40.27 0.83 0.00 | 40.17 0.73 0.00 | 40.09 0.73 0.00 | 39.08 0.75 0.00 | 48.73 1.32 0.00 | 57.91 2.01 0.00 | 46.31 1.60 0.00 | 39.16 1.39 0.00 | 32.16 1.17 -0.42 | 25.99 0.96 -0.37 | 14.03 0.51 0.00 | 22.70 0.79 0.00 | 18.58 0.66 0.00 | 21.18 0.71 -1.44 | 15.29 0.23 -8.51 | 34.93 1.03 -3.45 | 45.33 1.40 -1.12 | 57.93 1.95 0.00 | 64.32 2.12 0.00 | 50.53 1.62 0.00 | 40.73 1.34 0.00 | 39.35 1.26 0.00 |
| CH_MISC_IPPS 23765 | 40.01 1.26 0.00 | 40.67 1.14 0.00 | 40.46 1.03 0.00 | 40.36 0.92 0.00 | 40.31 0.95 0.00 | 39.29 0.96 0.00 | 49.02 1.61 0.00 | 58.45 2.55 0.00 | 46.71 2.00 0.00 | 39.44 1.67 0.00 | 31.93 1.36 0.00 | 25.78 1.12 0.00 | 14.11 0.59 0.00 | 22.84 0.93 0.00 | 18.67 0.76 0.00 | 19.85 0.81 0.00 | 6.84 0.28 0.00 | 31.73 1.28 0.00 | 44.61 1.80 0.00 | 58.52 2.54 0.00 | 64.99 2.78 0.00 | 51.03 2.11 0.00 | 41.11 1.71 0.00 | 39.68 1.58 0.00 |
| CH_RES_BVR_FALLS 23983 | 39.15 0.40 0.00 | 39.95 0.43 0.00 | 39.84 0.41 0.00 | 39.84 0.40 0.00 | 39.79 0.43 0.00 | 38.65 0.32 0.00 | 47.58 0.17 0.00 | 55.77 -0.13 0.00 | 44.71 0.00 0.00 | 37.86 0.09 0.00 | 30.72 0.15 0.00 | 24.79 0.13 0.00 | 13.61 0.09 0.00 | 22.07 0.15 0.00 | 18.07 0.15 0.00 | 19.23 0.19 0.00 | 6.65 0.09 0.00 | 30.81 0.37 0.00 | 43.29 0.48 0.00 | 56.48 0.50 0.00 | 62.73 0.52 0.00 | 49.13 0.21 0.00 | 39.35 -0.04 0.00 | 37.88 -0.22 0.00 |
| CH_RES_NIAGARA 23895 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.86 -2.51 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.03 -4.87 0.00 | 41.04 -3.67 0.00 | 34.80 -2.97 0.00 | 28.00 -2.57 0.00 | 22.66 -2.00 0.00 | 12.58 -0.95 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.74 -2.71 0.00 | 39.04 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.34 0.00 | 44.08 -4.83 0.00 | 35.74 -3.65 0.00 | 35.02 -3.08 0.00 |
| CH_RES_SYRACUSE 23985 | 37.85 -0.89 0.00 | 38.62 -0.91 0.00 | 38.55 -0.88 0.00 | 38.59 -0.85 0.00 | 38.52 -0.84 0.00 | 37.57 -0.76 0.00 | 46.52 -0.89 0.00 | 54.85 -1.05 0.00 | 43.75 -0.95 0.00 | 36.84 -0.92 0.00 | 29.78 -0.79 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.34 -0.58 0.00 | 17.43 -0.49 0.00 | 18.50 -0.54 0.00 | 6.37 -0.19 0.00 | 29.65 -0.79 0.00 | 41.82 -0.99 0.00 | 54.70 -1.28 0.00 | 60.72 -1.48 0.00 | 47.67 -1.24 0.00 | 38.38 -1.01 0.00 | 37.17 -0.92 0.00 |
| CLINTON_WT_PWR 323605 | 40.14 1.40 0.00 | 40.99 1.47 0.00 | 41.08 1.64 0.00 | 41.15 1.70 0.00 | 41.02 1.66 0.00 | 39.85 1.52 0.00 | 48.99 1.59 0.00 | 57.43 1.53 0.00 | 45.99 1.28 0.00 | 38.89 1.12 0.00 | 31.50 0.93 0.00 | 25.39 0.73 0.00 | 13.90 0.38 0.00 | 22.53 0.62 0.00 | 18.46 0.54 0.00 | 19.65 0.62 0.00 | 6.78 0.22 0.00 | 31.42 0.97 0.00 | 44.12 1.31 0.00 | 57.52 1.54 0.00 | 63.94 1.74 0.00 | 50.12 1.20 0.00 | 40.23 0.84 0.00 | 38.72 0.63 0.00 |
| CLINTON___LFGE 323618 | 41.20 2.45 0.00 | 42.05 2.52 0.00 | 42.22 2.78 0.00 | 42.28 2.84 0.00 | 42.12 2.75 0.00 | 40.90 2.57 0.00 | 50.27 2.87 0.00 | 58.99 3.08 0.00 | 47.15 2.45 0.00 | 39.82 2.05 0.00 | 32.22 1.65 0.00 | 25.92 1.26 0.00 | 14.16 0.64 0.00 | 22.93 1.02 0.00 | 18.82 0.90 0.00 | 20.05 1.02 0.00 | 6.89 0.34 0.00 | 32.02 1.57 0.00 | 45.02 2.21 0.00 | 58.82 2.83 0.00 | 65.21 3.01 0.00 | 50.88 1.97 0.00 | 40.81 1.42 0.00 | 39.38 1.28 0.00 |
| COBBLENY_34_KV_TB1 80064 | 37.67 -1.08 0.00 | 38.61 -0.92 0.00 | 38.41 -1.03 0.00 | 38.57 -0.87 0.00 | 38.53 -0.84 0.00 | 37.35 -0.98 0.00 | 46.21 -1.19 0.00 | 54.56 -1.35 0.00 | 43.67 -1.04 0.00 | 37.01 -0.76 0.00 | 29.84 -0.73 0.00 | 24.13 -0.53 0.00 | 13.39 -0.13 0.00 | 21.61 -0.30 0.00 | 17.65 -0.27 0.00 | 18.72 -0.31 0.00 | 6.24 -0.32 0.00 | 29.18 -1.26 0.00 | 41.35 -1.46 0.00 | 53.99 -1.99 0.00 | 60.13 -2.08 0.00 | 47.06 -1.85 0.00 | 37.98 -1.41 0.00 | 36.91 -1.19 0.00 |
| COFFEEN___115KV_TB3 355620 | 39.64 0.89 0.00 | 40.03 0.51 0.00 | 40.35 0.91 0.00 | 40.53 1.08 0.00 | 40.27 0.90 0.00 | 39.03 0.70 0.00 | 48.80 1.39 0.00 | 57.56 1.65 0.00 | 45.83 1.13 0.00 | 37.94 0.17 0.00 | 30.30 -0.27 0.00 | 24.12 -0.55 0.00 | 13.06 -0.46 0.00 | 21.15 -0.76 0.00 | 17.28 -0.64 0.00 | 18.50 -0.54 0.00 | 6.57 0.02 0.00 | 31.02 0.57 0.00 | 44.31 1.50 0.00 | 58.47 2.48 0.00 | 64.81 2.61 0.00 | 50.47 1.55 0.00 | 40.32 0.93 0.00 | 38.30 0.21 0.00 |
| COLDSPRG_115KV_BK1 355956 | 38.03 -0.72 0.00 | 39.06 -0.46 0.00 | 38.99 -0.44 0.00 | 39.15 -0.29 0.00 | 39.30 -0.07 0.00 | 38.45 0.12 0.00 | 47.61 0.20 0.00 | 55.95 0.05 0.00 | 44.83 0.13 0.00 | 38.10 0.33 0.00 | 30.70 0.13 0.00 | 24.76 0.10 0.00 | 13.74 0.22 0.00 | 22.15 0.24 0.00 | 18.09 0.17 0.00 | 19.19 0.16 0.00 | 6.41 -0.14 0.00 | 30.08 -0.36 0.00 | 42.63 -0.18 0.00 | 55.65 -0.33 0.00 | 61.91 -0.29 0.00 | 48.45 -0.46 0.00 | 39.00 -0.40 0.00 | 37.84 -0.25 0.00 |
| COLONIE_LFGE___ 323577 | 39.82 1.07 0.00 | 40.58 1.06 0.00 | 40.37 0.94 0.00 | 40.36 0.92 0.00 | 40.30 0.93 0.00 | 39.29 0.96 0.00 | 48.72 1.31 0.00 | 57.60 1.71 0.00 | 46.05 1.34 0.00 | 38.87 1.10 0.00 | 31.75 0.74 -0.44 | 25.60 0.56 -0.38 | 13.77 0.25 0.00 | 22.31 0.40 0.00 | 18.30 0.38 0.00 | 20.93 0.41 -1.48 | 15.45 0.15 -8.74 | 34.77 0.77 -3.55 | 45.01 1.05 -1.16 | 57.55 1.57 0.00 | 63.85 1.65 0.00 | 50.22 1.31 0.00 | 40.47 1.08 0.00 | 39.20 1.10 0.00 |
| COOPERNY_115KV_TB1 80082 | 39.18 0.43 0.00 | 39.87 0.34 0.00 | 39.72 0.28 0.00 | 39.64 0.20 0.00 | 39.58 0.22 0.00 | 38.57 0.24 0.00 | 47.94 0.54 0.00 | 56.80 0.89 0.00 | 45.38 0.67 0.00 | 38.38 0.61 0.00 | 29.43 0.46 1.60 | 23.68 0.42 1.40 | 13.76 0.24 0.00 | 22.29 0.38 0.00 | 18.21 0.30 0.00 | 13.88 0.29 5.45 | -25.48 0.09 32.13 | 17.82 0.42 13.04 | 39.17 0.61 4.24 | 56.92 0.94 0.00 | 63.26 1.06 0.00 | 49.69 0.78 0.00 | 40.04 0.65 0.00 | 38.69 0.59 0.00 |
| COPENHAGEN_WT_PWR 323753 | 39.09 0.34 0.00 | 39.41 -0.11 0.00 | 39.82 0.38 0.00 | 40.00 0.56 0.00 | 39.67 0.30 0.00 | 38.35 0.02 0.00 | 47.93 0.53 0.00 | 56.51 0.61 0.00 | 45.10 0.39 0.00 | 37.47 -0.30 0.00 | 30.07 -0.50 0.00 | 24.02 -0.64 0.00 | 13.01 -0.51 0.00 | 21.10 -0.81 0.00 | 17.24 -0.67 0.00 | 18.47 -0.56 0.00 | 6.53 -0.03 0.00 | 30.74 0.30 0.00 | 43.82 1.01 0.00 | 57.73 1.75 0.00 | 63.94 1.74 0.00 | 49.76 0.85 0.00 | 39.78 0.39 0.00 | 37.70 -0.39 0.00 |
| CORNELL_____ 23752 | 38.67 -0.08 0.00 | 39.38 -0.15 0.00 | 39.29 -0.15 0.00 | 39.33 -0.12 0.00 | 39.27 -0.09 0.00 | 38.38 0.05 0.00 | 47.64 0.23 0.00 | 56.23 0.33 0.00 | 44.73 0.02 0.00 | 37.41 -0.36 0.00 | 30.04 -0.53 0.00 | 24.19 -0.47 0.00 | 13.28 -0.24 0.00 | 21.51 -0.40 0.00 | 17.56 -0.36 0.00 | 18.63 -0.41 0.00 | 6.40 -0.16 0.00 | 30.06 -0.39 0.00 | 42.75 -0.06 0.00 | 56.19 0.21 0.00 | 62.37 0.17 0.00 | 48.86 -0.05 0.00 | 39.25 -0.14 0.00 | 37.97 -0.13 0.00 |

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| CORONA__69_KV_TB1 355595 | 40.32 1.57 0.00 | 40.90 1.38 0.00 | 40.65 1.21 0.00 | 40.50 1.06 0.00 | 40.41 1.05 0.00 | 39.27 0.94 0.00 | 48.92 1.52 0.00 | 58.31 2.42 0.00 | 46.55 1.85 0.00 | 39.41 1.64 0.00 | 33.58 1.46 -1.55 | 27.20 1.19 -1.35 | 14.17 0.64 0.00 | 22.91 1.00 0.00 | 18.78 0.86 0.00 | 25.21 0.92 -5.26 | 37.89 0.33 -31.00 | 44.46 1.43 -12.59 | 48.86 1.95 -4.09 | 58.61 2.63 0.00 | 64.94 2.74 0.00 | 50.96 2.05 0.00 | 41.27 1.88 0.00 | 39.87 1.78 0.00 |
| CORTLAND__115KV_TB3 80093 | 38.44 -0.30 0.00 | 39.18 -0.35 0.00 | 39.08 -0.36 0.00 | 39.10 -0.35 0.00 | 39.04 -0.32 0.00 | 38.11 -0.22 0.00 | 47.27 -0.13 0.00 | 55.83 -0.07 0.00 | 44.49 -0.22 0.00 | 37.37 -0.39 0.00 | 30.12 -0.45 0.00 | 24.26 -0.40 0.00 | 13.32 -0.20 0.00 | 21.59 -0.32 0.00 | 17.63 -0.29 0.00 | 18.71 -0.32 0.00 | 6.43 -0.13 0.00 | 30.06 -0.39 0.00 | 42.55 -0.26 0.00 | 55.81 -0.17 0.00 | 61.95 -0.25 0.00 | 48.56 -0.36 0.00 | 39.04 -0.36 0.00 | 37.77 -0.33 0.00 |
| COXSACKIE__GT 23611 | 40.98 2.23 0.00 | 42.00 2.47 0.00 | 41.88 2.44 0.00 | 41.90 2.46 0.00 | 41.85 2.48 0.00 | 40.87 2.54 0.00 | 50.94 3.53 0.00 | 60.34 4.44 0.00 | 48.13 3.43 0.00 | 40.14 2.38 0.00 | 32.50 1.62 -0.30 | 26.20 1.27 -0.26 | 13.79 0.26 0.00 | 21.85 -0.07 0.00 | 18.07 0.15 0.00 | 20.49 0.43 -1.02 | 12.89 0.29 -6.04 | 34.56 1.66 -2.45 | 46.45 2.84 -0.80 | 60.11 4.14 0.00 | 66.64 4.44 0.00 | 52.31 3.39 0.00 | 42.04 2.64 0.00 | 40.62 2.52 0.00 |
| CPV_VALLEY__CC1 323721 | 39.18 0.43 0.00 | 39.85 0.32 0.00 | 39.68 0.25 0.00 | 39.59 0.15 0.00 | 39.54 0.18 0.00 | 38.51 0.18 0.00 | 47.91 0.50 0.00 | 56.84 0.93 0.00 | 45.44 0.73 0.00 | 38.42 0.65 0.00 | 28.83 0.54 2.28 | 23.17 0.50 1.99 | 13.80 0.28 0.00 | 22.34 0.43 0.00 | 18.26 0.34 0.00 | 11.63 0.35 7.76 | -39.06 0.11 45.73 | 12.36 0.48 18.57 | 37.42 0.65 6.04 | 57.00 1.02 0.00 | 63.35 1.14 0.00 | 49.75 0.84 0.00 | 40.11 0.72 0.00 | 38.75 0.65 0.00 |
| CPV_VALLEY__CC2 323722 | 39.18 0.43 0.00 | 39.85 0.32 0.00 | 39.68 0.25 0.00 | 39.59 0.15 0.00 | 39.54 0.18 0.00 | 38.51 0.18 0.00 | 47.91 0.50 0.00 | 56.84 0.93 0.00 | 45.44 0.73 0.00 | 38.42 0.65 0.00 | 28.83 0.54 2.28 | 23.17 0.50 1.99 | 13.80 0.28 0.00 | 22.34 0.43 0.00 | 18.26 0.34 0.00 | 11.63 0.35 7.76 | -39.06 0.11 45.73 | 12.36 0.48 18.57 | 37.42 0.65 6.04 | 57.00 1.02 0.00 | 63.35 1.14 0.00 | 49.75 0.84 0.00 | 40.11 0.72 0.00 | 38.75 0.65 0.00 |
| CRESCENT__HYD 24018 | 39.82 1.07 0.00 | 40.58 1.06 0.00 | 40.37 0.94 0.00 | 40.36 0.92 0.00 | 40.30 0.93 0.00 | 39.29 0.96 0.00 | 48.72 1.31 0.00 | 57.60 1.71 0.00 | 46.05 1.34 0.00 | 38.87 1.10 0.00 | 31.75 0.74 -0.44 | 25.60 0.56 -0.38 | 13.77 0.25 0.00 | 22.31 0.40 0.00 | 18.30 0.38 0.00 | 20.93 0.41 -1.48 | 15.45 0.15 -8.74 | 34.77 0.77 -3.55 | 45.01 1.05 -1.16 | 57.55 1.57 0.00 | 63.85 1.65 0.00 | 50.22 1.31 0.00 | 40.47 1.08 0.00 | 39.20 1.10 0.00 |
| CRICKET__VALLEY_CC1 323756 | 39.38 0.63 0.00 | 40.04 0.52 0.00 | 39.82 0.39 0.00 | 39.71 0.27 0.00 | 39.64 0.28 0.00 | 38.61 0.29 0.00 | 48.12 0.72 0.00 | 57.23 1.33 0.00 | 45.77 1.06 0.00 | 38.74 0.97 0.00 | 32.46 0.89 -1.00 | 26.29 0.76 -0.87 | 13.90 0.38 0.00 | 22.47 0.56 0.00 | 18.42 0.50 0.00 | 22.98 0.55 -3.39 | 26.72 0.16 -20.01 | 39.27 0.69 -8.12 | 46.30 0.85 -2.64 | 57.27 1.29 0.00 | 63.56 1.35 0.00 | 49.98 1.07 0.00 | 40.29 0.89 0.00 | 38.95 0.85 0.00 |
| CRICKET__VALLEY_CC2 323757 | 39.38 0.63 0.00 | 40.04 0.52 0.00 | 39.82 0.39 0.00 | 39.71 0.27 0.00 | 39.64 0.28 0.00 | 38.61 0.29 0.00 | 48.12 0.72 0.00 | 57.23 1.33 0.00 | 45.77 1.06 0.00 | 38.74 0.97 0.00 | 32.46 0.89 -1.00 | 26.29 0.76 -0.87 | 13.90 0.38 0.00 | 22.47 0.56 0.00 | 18.42 0.50 0.00 | 22.98 0.55 -3.39 | 26.72 0.16 -20.01 | 39.27 0.69 -8.12 | 46.30 0.85 -2.64 | 57.27 1.29 0.00 | 63.56 1.35 0.00 | 49.98 1.07 0.00 | 40.29 0.89 0.00 | 38.95 0.85 0.00 |
| CRICKET__VALLEY_CC3 323758 | 39.38 0.63 0.00 | 40.04 0.52 0.00 | 39.82 0.39 0.00 | 39.71 0.27 0.00 | 39.64 0.28 0.00 | 38.61 0.29 0.00 | 48.12 0.72 0.00 | 57.23 1.33 0.00 | 45.77 1.06 0.00 | 38.74 0.97 0.00 | 32.46 0.89 -1.00 | 26.29 0.76 -0.87 | 13.90 0.38 0.00 | 22.47 0.56 0.00 | 18.42 0.50 0.00 | 22.98 0.55 -3.39 | 26.72 0.16 -20.01 | 39.27 0.69 -8.12 | 46.30 0.85 -2.64 | 57.27 1.29 0.00 | 63.56 1.35 0.00 | 49.98 1.07 0.00 | 40.29 0.89 0.00 | 38.95 0.85 0.00 |
| CRUCIBLE__METL_DRP 24180 | 37.85 -0.90 0.00 | 38.62 -0.91 0.00 | 38.56 -0.88 0.00 | 38.59 -0.85 0.00 | 38.54 -0.83 0.00 | 37.57 -0.76 0.00 | 46.52 -0.89 0.00 | 54.85 -1.05 0.00 | 43.75 -0.95 0.00 | 36.84 -0.92 0.00 | 29.78 -0.79 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.34 -0.58 0.00 | 17.43 -0.49 0.00 | 18.50 -0.54 0.00 | 6.37 -0.19 0.00 | 29.65 -0.80 0.00 | 41.81 -0.99 0.00 | 54.70 -1.28 0.00 | 60.72 -1.48 0.00 | 47.67 -1.24 0.00 | 38.38 -1.02 0.00 | 37.17 -0.92 0.00 |
| DAHOWA__HYDRO 323763 | 40.45 1.70 0.00 | 41.16 1.64 0.00 | 41.08 1.64 0.00 | 41.08 1.63 0.00 | 41.04 1.68 0.00 | 40.06 1.73 0.00 | 49.79 2.39 0.00 | 58.85 2.95 0.00 | 46.91 2.20 0.00 | 39.49 1.72 0.00 | 32.01 1.03 -0.41 | 25.79 0.77 -0.36 | 13.86 0.34 0.00 | 22.44 0.52 0.00 | 18.40 0.48 0.00 | 20.95 0.51 -1.40 | 15.00 0.20 -8.24 | 35.03 1.24 -3.35 | 45.72 1.83 -1.09 | 58.72 2.74 0.00 | 65.09 2.88 0.00 | 51.10 2.19 0.00 | 41.15 1.76 0.00 | 39.84 1.74 0.00 |
| DANC__LFGE 323619 | 38.43 -0.31 0.00 | 38.91 -0.61 0.00 | 39.13 -0.30 0.00 | 39.25 -0.20 0.00 | 39.01 -0.35 0.00 | 37.82 -0.51 0.00 | 47.08 -0.32 0.00 | 55.51 -0.39 0.00 | 44.30 -0.41 0.00 | 37.02 -0.75 0.00 | 29.78 -0.79 0.00 | 23.88 -0.78 0.00 | 12.99 -0.53 0.00 | 21.04 -0.88 0.00 | 17.19 -0.73 0.00 | 18.35 -0.68 0.00 | 6.43 -0.13 0.00 | 30.12 -0.33 0.00 | 42.77 -0.04 0.00 | 56.22 0.23 0.00 | 62.33 0.12 0.00 | 48.68 -0.23 0.00 | 39.02 -0.38 0.00 | 37.29 -0.80 0.00 |
| DANSKAMMER__1 23586 | 40.01 1.26 0.00 | 40.67 1.14 0.00 | 40.46 1.03 0.00 | 40.36 0.92 0.00 | 40.31 0.95 0.00 | 39.29 0.96 0.00 | 49.02 1.61 0.00 | 58.45 2.55 0.00 | 46.71 2.00 0.00 | 39.44 1.67 0.00 | 31.93 1.36 0.00 | 25.78 1.12 0.00 | 14.11 0.59 0.00 | 22.84 0.93 0.00 | 18.67 0.76 0.00 | 19.85 0.81 0.00 | 6.84 0.28 0.00 | 31.73 1.28 0.00 | 44.61 1.80 0.00 | 58.52 2.54 0.00 | 64.99 2.78 0.00 | 51.03 2.11 0.00 | 41.11 1.71 0.00 | 39.68 1.58 0.00 |
| DANSKAMMER__2 23589 | 40.01 1.26 0.00 | 40.67 1.14 0.00 | 40.46 1.03 0.00 | 40.36 0.92 0.00 | 40.31 0.95 0.00 | 39.29 0.96 0.00 | 49.02 1.61 0.00 | 58.45 2.55 0.00 | 46.71 2.00 0.00 | 39.44 1.67 0.00 | 31.93 1.36 0.00 | 25.78 1.12 0.00 | 14.11 0.59 0.00 | 22.84 0.93 0.00 | 18.67 0.76 0.00 | 19.85 0.81 0.00 | 6.84 0.28 0.00 | 31.73 1.28 0.00 | 44.61 1.80 0.00 | 58.52 2.54 0.00 | 64.99 2.78 0.00 | 51.03 2.11 0.00 | 41.11 1.71 0.00 | 39.68 1.58 0.00 |
| DANSKAMMER__3 23590 | 40.01 1.26 0.00 | 40.67 1.14 0.00 | 40.46 1.03 0.00 | 40.36 0.92 0.00 | 40.31 0.95 0.00 | 39.29 0.96 0.00 | 49.02 1.61 0.00 | 58.45 2.55 0.00 | 46.71 2.00 0.00 | 39.44 1.67 0.00 | 31.93 1.36 0.00 | 25.78 1.12 0.00 | 14.11 0.59 0.00 | 22.84 0.93 0.00 | 18.67 0.76 0.00 | 19.85 0.81 0.00 | 6.84 0.28 0.00 | 31.73 1.28 0.00 | 44.61 1.80 0.00 | 58.52 2.54 0.00 | 64.99 2.78 0.00 | 51.03 2.11 0.00 | 41.11 1.71 0.00 | 39.68 1.58 0.00 |

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| DANSKAMMER___4 23591 | 40.01 1.26 0.00 | 40.67 1.14 0.00 | 40.46 1.03 0.00 | 40.36 0.92 0.00 | 40.31 0.95 0.00 | 39.29 0.96 0.00 | 49.02 1.61 0.00 | 58.45 2.55 0.00 | 46.71 2.00 0.00 | 39.44 1.67 0.00 | 31.93 1.36 0.00 | 25.78 1.12 0.00 | 14.11 0.59 0.00 | 22.84 0.93 0.00 | 18.67 0.76 0.00 | 19.85 0.81 0.00 | 6.84 0.28 0.00 | 31.73 1.28 0.00 | 44.61 1.80 0.00 | 58.52 2.54 0.00 | 64.99 2.78 0.00 | 51.03 2.11 0.00 | 41.11 1.71 0.00 | 39.68 1.58 0.00 |
| DANSKAMMER___DIESEL 23592 | 40.01 1.26 0.00 | 40.67 1.14 0.00 | 40.46 1.03 0.00 | 40.36 0.92 0.00 | 40.29 0.93 0.00 | 39.29 0.96 0.00 | 49.02 1.61 0.00 | 58.45 2.55 0.00 | 46.71 2.00 0.00 | 39.44 1.67 0.00 | 31.93 1.36 0.00 | 25.78 1.12 0.00 | 14.11 0.59 0.00 | 22.84 0.93 0.00 | 18.67 0.76 0.00 | 19.85 0.81 0.00 | 6.84 0.28 0.00 | 31.73 1.28 0.00 | 44.61 1.80 0.00 | 58.52 2.54 0.00 | 64.99 2.78 0.00 | 51.02 2.11 0.00 | 41.11 1.71 0.00 | 39.68 1.58 0.00 |
| DARBY___SOLAR 323810 | 40.26 1.51 0.00 | 40.97 1.45 0.00 | 40.87 1.44 0.00 | 40.87 1.43 0.00 | 40.83 1.47 0.00 | 39.85 1.51 0.00 | 49.50 2.10 0.00 | 58.51 2.61 0.00 | 46.64 1.94 0.00 | 39.28 1.51 0.00 | 31.87 0.89 -0.42 | 25.69 0.67 -0.36 | 13.81 0.29 0.00 | 22.35 0.44 0.00 | 18.33 0.41 0.00 | 20.90 0.45 -1.41 | 15.04 0.18 -8.30 | 34.92 1.10 -3.37 | 45.51 1.61 -1.10 | 58.40 2.41 0.00 | 64.74 2.54 0.00 | 50.86 1.95 0.00 | 40.95 1.56 0.00 | 39.65 1.56 0.00 |
| DASHVILLE___HYD 23610 | 39.85 1.10 0.00 | 40.47 0.95 0.00 | 40.28 0.84 0.00 | 40.17 0.73 0.00 | 40.09 0.73 0.00 | 39.08 0.75 0.00 | 48.71 1.31 0.00 | 57.97 2.07 0.00 | 46.35 1.65 0.00 | 39.16 1.40 0.00 | 31.77 1.20 0.00 | 25.65 0.99 0.00 | 14.01 0.49 0.00 | 22.71 0.80 0.00 | 18.55 0.63 0.00 | 19.72 0.69 0.00 | 6.79 0.24 0.00 | 31.53 1.08 0.00 | 44.25 1.44 0.00 | 57.93 1.95 0.00 | 64.34 2.13 0.00 | 50.54 1.62 0.00 | 40.73 1.34 0.00 | 39.34 1.25 0.00 |
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 40.36 1.61 0.00 | 41.06 1.54 0.00 | 40.74 1.30 0.00 | 40.44 1.00 0.00 | 40.35 0.98 0.00 | 38.55 0.22 0.00 | 48.13 0.73 0.00 | 57.10 1.20 0.00 | 40.33 0.44 4.82 | 25.47 0.63 12.93 | 23.02 0.95 8.50 | 13.78 0.82 11.71 | 12.97 0.44 0.99 | 22.58 0.67 0.00 | 18.46 0.55 0.01 | 24.94 0.65 -5.26 | 37.88 0.32 -31.00 | 41.67 0.62 -10.60 | 47.90 1.00 -4.09 | 57.77 1.79 0.00 | 63.67 1.47 0.00 | 50.30 1.39 0.00 | 40.80 1.41 0.00 | 39.21 1.12 0.00 |
| DELAWARE___LFGE 323621 | 39.32 0.57 0.00 | 40.00 0.48 0.00 | 39.87 0.43 0.00 | 39.84 0.39 0.00 | 39.77 0.40 0.00 | 38.78 0.45 0.00 | 48.12 0.72 0.00 | 56.94 1.03 0.00 | 45.44 0.73 0.00 | 38.39 0.62 0.00 | 30.78 0.46 0.24 | 24.86 0.41 0.21 | 13.78 0.26 0.00 | 22.34 0.43 0.00 | 18.23 0.31 0.00 | 18.51 0.31 0.83 | 1.75 0.10 4.91 | 28.97 0.51 1.99 | 42.94 0.78 0.65 | 57.03 1.05 0.00 | 63.34 1.14 0.00 | 49.70 0.79 0.00 | 40.01 0.61 0.00 | 38.67 0.58 0.00 |
| DERFIELD_115KV_TB7 355931 | 38.80 0.05 0.00 | 39.54 0.02 0.00 | 39.42 -0.02 0.00 | 39.40 -0.04 0.00 | 39.33 -0.04 0.00 | 38.31 -0.02 0.00 | 47.45 0.05 0.00 | 56.05 0.14 0.00 | 44.80 0.10 0.00 | 37.83 0.06 0.00 | 30.61 0.04 0.00 | 24.68 0.02 0.00 | 13.52 0.00 0.00 | 21.92 0.01 0.00 | 17.93 0.02 0.00 | 19.05 0.02 0.00 | 6.57 0.01 0.00 | 30.53 0.08 0.00 | 42.96 0.16 0.00 | 56.25 0.27 0.00 | 62.46 0.25 0.00 | 49.06 0.14 0.00 | 39.47 0.08 0.00 | 38.17 0.07 0.00 |
| DOGLEVILLE___HYD 23807 | 38.50 -0.24 0.00 | 39.16 -0.37 0.00 | 39.01 -0.43 0.00 | 38.96 -0.48 0.00 | 38.95 -0.42 0.00 | 38.04 -0.29 0.00 | 47.38 -0.02 0.00 | 56.12 0.21 0.00 | 44.61 -0.10 0.00 | 37.32 -0.45 0.00 | 30.10 -0.47 0.00 | 24.11 -0.55 0.00 | 13.11 -0.41 0.00 | 21.23 -0.68 0.00 | 17.36 -0.55 0.00 | 18.40 -0.64 0.00 | 6.36 -0.19 0.00 | 30.05 -0.40 0.00 | 42.75 -0.06 0.00 | 56.46 0.48 0.00 | 62.49 0.29 0.00 | 49.08 0.17 0.00 | 39.50 0.11 0.00 | 38.23 0.13 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 37.04 -1.70 0.00 | 38.03 -1.49 0.00 | 38.03 -1.41 0.00 | 38.14 -1.30 0.00 | 38.42 -0.95 0.00 | 37.74 -0.59 0.00 | 46.60 -0.80 0.00 | 54.51 -1.39 0.00 | 43.64 -1.07 0.00 | 37.08 -0.69 0.00 | 29.86 -0.71 0.00 | 24.07 -0.59 0.00 | 13.39 -0.13 0.00 | 21.58 -0.33 0.00 | 17.64 -0.27 0.00 | 18.73 -0.31 0.00 | 6.26 -0.29 0.00 | 29.47 -0.98 0.00 | 41.75 -1.06 0.00 | 54.48 -1.50 0.00 | 60.58 -1.63 0.00 | 47.42 -1.49 0.00 | 38.11 -1.28 0.00 | 37.03 -1.07 0.00 |
| DUNKIRK___1 23563 | 37.04 -1.70 0.00 | 38.03 -1.49 0.00 | 38.03 -1.41 0.00 | 38.14 -1.30 0.00 | 38.42 -0.95 0.00 | 37.74 -0.59 0.00 | 46.60 -0.80 0.00 | 54.51 -1.39 0.00 | 43.64 -1.07 0.00 | 37.08 -0.69 0.00 | 29.86 -0.71 0.00 | 24.07 -0.59 0.00 | 13.39 -0.13 0.00 | 21.58 -0.33 0.00 | 17.64 -0.27 0.00 | 18.73 -0.31 0.00 | 6.26 -0.29 0.00 | 29.47 -0.98 0.00 | 41.75 -1.06 0.00 | 54.48 -1.50 0.00 | 60.58 -1.63 0.00 | 47.42 -1.49 0.00 | 38.11 -1.28 0.00 | 37.03 -1.07 0.00 |
| DUNKIRK___2 23564 | 37.04 -1.70 0.00 | 38.03 -1.49 0.00 | 38.03 -1.41 0.00 | 38.14 -1.30 0.00 | 38.42 -0.95 0.00 | 37.74 -0.59 0.00 | 46.60 -0.80 0.00 | 54.51 -1.39 0.00 | 43.64 -1.07 0.00 | 37.08 -0.69 0.00 | 29.86 -0.71 0.00 | 24.07 -0.59 0.00 | 13.39 -0.13 0.00 | 21.58 -0.33 0.00 | 17.64 -0.27 0.00 | 18.73 -0.31 0.00 | 6.26 -0.29 0.00 | 29.47 -0.98 0.00 | 41.75 -1.06 0.00 | 54.48 -1.50 0.00 | 60.58 -1.63 0.00 | 47.42 -1.49 0.00 | 38.11 -1.28 0.00 | 37.03 -1.07 0.00 |
| DUNKIRK___3 23565 | 36.98 -1.77 0.00 | 37.94 -1.58 0.00 | 37.91 -1.53 0.00 | 38.05 -1.39 0.00 | 38.26 -1.10 0.00 | 37.54 -0.79 0.00 | 46.29 -1.11 0.00 | 54.16 -1.74 0.00 | 43.35 -1.35 0.00 | 36.83 -0.94 0.00 | 29.66 -0.91 0.00 | 23.93 -0.74 0.00 | 13.30 -0.22 0.00 | 21.45 -0.47 0.00 | 17.53 -0.39 0.00 | 18.62 -0.42 0.00 | 6.24 -0.32 0.00 | 29.28 -1.17 0.00 | 41.45 -1.36 0.00 | 54.02 -1.96 0.00 | 60.05 -2.15 0.00 | 47.04 -1.87 0.00 | 37.86 -1.53 0.00 | 36.82 -1.27 0.00 |
| DUNKIRK___4 23566 | 36.98 -1.77 0.00 | 37.94 -1.58 0.00 | 37.91 -1.53 0.00 | 38.05 -1.39 0.00 | 38.26 -1.10 0.00 | 37.54 -0.79 0.00 | 46.29 -1.11 0.00 | 54.16 -1.74 0.00 | 43.35 -1.35 0.00 | 36.83 -0.94 0.00 | 29.66 -0.91 0.00 | 23.93 -0.74 0.00 | 13.30 -0.22 0.00 | 21.45 -0.47 0.00 | 17.53 -0.39 0.00 | 18.62 -0.42 0.00 | 6.24 -0.32 0.00 | 29.28 -1.17 0.00 | 41.45 -1.36 0.00 | 54.02 -1.96 0.00 | 60.05 -2.15 0.00 | 47.04 -1.87 0.00 | 37.86 -1.53 0.00 | 36.82 -1.27 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 39.88 1.13 0.00 | 40.50 0.97 0.00 | 40.30 0.87 0.00 | 40.18 0.74 0.00 | 40.14 0.77 0.00 | 39.11 0.79 0.00 | 48.77 1.36 0.00 | 58.12 2.22 0.00 | 46.52 1.81 0.00 | 39.40 1.63 0.00 | 33.50 1.39 -1.54 | 27.16 1.16 -1.34 | 14.16 0.64 0.00 | 22.89 0.98 0.00 | 18.74 0.82 0.00 | 25.14 0.87 -5.23 | 37.70 0.28 -30.86 | 44.19 1.21 -12.53 | 48.54 1.65 -4.08 | 58.18 2.20 0.00 | 64.60 2.39 0.00 | 50.73 1.82 0.00 | 40.94 1.54 0.00 | 39.55 1.45 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 39.70 0.95 0.00 | 40.35 0.83 0.00 | 40.18 0.74 0.00 | 40.06 0.62 0.00 | 40.00 0.64 0.00 | 38.99 0.66 0.00 | 48.61 1.21 0.00 | 57.79 1.89 0.00 | 46.18 1.48 0.00 | 39.02 1.25 0.00 | 30.45 1.00 1.12 | 24.52 0.84 0.97 | 13.97 0.45 0.00 | 22.62 0.71 0.00 | 18.49 0.57 0.00 | 15.83 0.60 3.80 | -15.66 0.20 22.42 | 22.25 0.91 9.11 | 41.16 1.32 2.96 | 57.91 1.93 0.00 | 64.36 2.16 0.00 | 50.53 1.62 0.00 | 40.71 1.32 0.00 | 39.31 1.21 0.00 |

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| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 39.97 1.23 0.00 | 40.51 0.99 0.00 | 40.41 0.97 0.00 | 40.28 0.84 0.00 | 40.26 0.89 0.00 | 39.14 0.81 0.00 | 48.84 1.43 0.00 | 58.30 2.40 0.00 | 46.75 2.05 0.00 | 39.54 1.77 0.00 | 33.57 1.45 -1.54 | 27.24 1.24 -1.34 | 14.21 0.69 0.00 | 22.97 1.06 0.00 | 18.80 0.88 0.00 | 25.19 0.92 -5.24 | 37.73 0.30 -30.87 | 44.22 1.23 -12.54 | 48.62 1.73 -4.08 | 58.19 2.20 0.00 | 64.68 2.48 0.00 | 50.84 1.93 0.00 | 41.05 1.66 0.00 | 39.65 1.55 -0.01 |
| E179THST_13_KV_LOAD 356214 | 40.13 1.38 0.00 | 40.66 1.14 0.00 | 40.55 1.11 0.00 | 40.43 0.98 0.00 | 40.39 1.03 0.00 | 39.26 0.93 0.00 | 49.03 1.62 0.00 | 58.56 2.66 0.00 | 46.95 2.24 0.00 | 39.72 1.95 0.00 | 33.70 1.59 -1.54 | 27.35 1.35 -1.34 | 14.27 0.75 0.00 | 23.06 1.15 0.00 | 18.88 0.96 0.00 | 25.28 1.01 -5.24 | 37.76 0.33 -30.87 | 44.36 1.37 -12.54 | 48.83 1.94 -4.08 | 58.47 2.48 0.00 | 64.99 2.78 0.00 | 51.08 2.17 0.00 | 41.23 1.84 0.00 | 39.81 1.71 -0.01 |
| EAST HAMPTON___GT 23717 | 40.32 1.57 0.00 | 41.14 1.62 0.00 | 40.77 1.33 0.00 | 40.38 0.93 0.00 | 40.33 0.97 0.00 | 38.48 0.15 0.00 | 47.90 0.50 0.00 | 56.52 0.61 0.00 | 39.91 0.02 4.82 | 25.30 0.46 12.93 | 23.16 1.09 8.50 | 13.90 0.94 11.71 | 13.02 0.50 0.99 | 22.67 0.76 0.00 | 18.53 0.62 0.01 | 25.02 0.73 -5.26 | 37.91 0.36 -31.00 | 41.24 0.18 -10.60 | 47.16 0.26 -4.09 | 56.96 0.98 0.00 | 62.94 0.74 0.00 | 49.90 0.98 0.00 | 40.45 1.06 0.00 | 38.78 0.69 0.00 |
| EAST RIVER___6 23660 | 39.93 1.18 0.00 | 40.52 1.00 0.00 | 40.33 0.90 0.00 | 40.23 0.79 0.00 | 40.26 0.89 0.00 | 39.17 0.84 0.00 | 48.89 1.49 0.00 | 58.36 2.46 0.00 | 46.75 2.04 0.00 | 39.60 1.83 0.00 | 33.67 1.56 -1.54 | 27.31 1.31 -1.34 | 14.25 0.73 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.26 0.99 -5.24 | 37.78 0.32 -30.90 | 44.36 1.36 -12.55 | 48.77 1.88 -4.08 | 58.38 2.39 0.00 | 64.81 2.60 0.00 | 50.90 1.99 0.00 | 41.08 1.69 0.00 | 39.71 1.61 0.00 |
| EAST RIVER___7 23524 | 39.93 1.18 0.00 | 40.52 1.00 0.00 | 40.33 0.90 0.00 | 40.23 0.79 0.00 | 40.26 0.89 0.00 | 39.17 0.84 0.00 | 48.89 1.49 0.00 | 58.36 2.46 0.00 | 46.75 2.04 0.00 | 39.60 1.83 0.00 | 33.67 1.56 -1.54 | 27.31 1.31 -1.34 | 14.25 0.73 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.26 0.99 -5.24 | 37.78 0.32 -30.90 | 44.36 1.36 -12.55 | 48.77 1.88 -4.08 | 58.38 2.39 0.00 | 64.81 2.60 0.00 | 50.90 1.99 0.00 | 41.08 1.69 0.00 | 39.71 1.61 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 39.80 1.06 0.00 | 40.43 0.90 0.00 | 40.23 0.79 0.00 | 40.12 0.68 0.00 | 40.06 0.70 0.00 | 39.04 0.71 0.00 | 48.69 1.28 0.00 | 58.01 2.11 0.00 | 46.41 1.71 0.00 | 39.29 1.52 0.00 | 33.48 1.30 -1.61 | 27.13 1.08 -1.40 | 14.11 0.59 0.00 | 22.82 0.91 0.00 | 18.68 0.76 0.00 | 25.30 0.81 -5.46 | 39.00 0.26 -32.17 | 44.64 1.13 -13.06 | 48.61 1.56 -4.25 | 58.06 2.08 0.00 | 64.47 2.26 0.00 | 50.63 1.72 0.00 | 40.84 1.46 0.00 | 39.46 1.36 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 40.29 1.54 0.00 | 41.13 1.61 0.00 | 40.75 1.31 0.00 | 40.34 0.90 0.00 | 40.30 0.93 0.00 | 38.45 0.12 0.00 | 47.83 0.43 0.00 | 56.39 0.49 0.00 | 39.82 -0.06 4.82 | 25.25 0.41 12.93 | 23.15 1.08 8.50 | 13.90 0.94 11.71 | 13.02 0.50 0.99 | 22.67 0.76 0.00 | 18.53 0.62 0.01 | 25.02 0.73 -5.26 | 37.91 0.36 -31.00 | 41.16 0.11 -10.60 | 47.02 0.12 -4.09 | 56.80 0.82 0.00 | 62.78 0.58 0.00 | 49.79 0.88 0.00 | 40.36 0.97 0.00 | 38.69 0.60 0.00 |
| EAST_POINT___SOLAR 323840 | 41.01 2.26 0.00 | 41.72 2.19 0.00 | 41.66 2.22 0.00 | 41.74 2.29 0.00 | 41.71 2.34 0.00 | 40.64 2.31 0.00 | 50.48 3.08 0.00 | 59.68 3.78 0.00 | 46.80 2.09 0.00 | 38.11 0.34 0.00 | 31.58 0.72 -0.30 | 25.18 0.26 -0.26 | 13.54 0.03 0.00 | 22.00 0.09 0.00 | 17.88 -0.04 0.00 | 19.84 -0.19 -1.00 | 12.47 0.01 -5.90 | 33.84 0.99 -2.40 | 46.17 2.58 -0.78 | 59.65 3.66 0.00 | 66.32 4.12 0.00 | 52.07 3.16 0.00 | 41.80 2.41 0.00 | 40.27 2.17 0.00 |
| EAST_PULASKI___ESR 323781 | 37.84 -0.91 0.00 | 38.49 -1.04 0.00 | 38.53 -0.90 0.00 | 38.57 -0.87 0.00 | 38.44 -0.93 0.00 | 37.38 -0.95 0.00 | 46.32 -1.08 0.00 | 54.63 -1.27 0.00 | 43.60 -1.11 0.00 | 36.64 -1.13 0.00 | 29.58 -0.99 0.00 | 23.79 -0.87 0.00 | 12.99 -0.53 0.00 | 21.03 -0.88 0.00 | 17.18 -0.74 0.00 | 18.27 -0.76 0.00 | 6.34 -0.22 0.00 | 29.58 -0.87 0.00 | 41.83 -0.98 0.00 | 54.83 -1.15 0.00 | 60.82 -1.38 0.00 | 47.70 -1.21 0.00 | 38.34 -1.05 0.00 | 36.95 -1.15 0.00 |
| EAST_RIVER___1 323558 | 39.93 1.18 0.00 | 40.52 1.00 0.00 | 40.33 0.90 0.00 | 40.23 0.79 0.00 | 40.26 0.89 0.00 | 39.17 0.84 0.00 | 48.90 1.50 0.00 | 58.36 2.46 0.00 | 46.74 2.04 0.00 | 39.59 1.82 0.00 | 33.66 1.54 -1.54 | 27.30 1.30 -1.34 | 14.24 0.72 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.25 0.98 -5.24 | 37.78 0.32 -30.91 | 44.34 1.34 -12.55 | 48.75 1.86 -4.08 | 58.36 2.38 0.00 | 64.80 2.60 0.00 | 50.89 1.98 0.00 | 41.07 1.68 0.00 | 39.71 1.61 0.00 |
| EAST_RIVER___2 323559 | 39.93 1.18 0.00 | 40.52 1.00 0.00 | 40.33 0.90 0.00 | 40.23 0.79 0.00 | 40.26 0.89 0.00 | 39.17 0.84 0.00 | 48.89 1.49 0.00 | 58.36 2.46 0.00 | 46.75 2.04 0.00 | 39.60 1.83 0.00 | 33.67 1.56 -1.54 | 27.31 1.31 -1.34 | 14.25 0.73 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.26 0.99 -5.24 | 37.78 0.32 -30.90 | 44.36 1.36 -12.55 | 48.77 1.88 -4.08 | 58.38 2.39 0.00 | 64.81 2.60 0.00 | 50.90 1.99 0.00 | 41.08 1.69 0.00 | 39.71 1.61 0.00 |
| EAST___DELAWARE_HYD 23607 | 40.33 1.58 0.00 | 40.98 1.46 0.00 | 40.81 1.37 0.00 | 40.71 1.27 0.00 | 40.70 1.33 0.00 | 39.71 1.38 0.00 | 49.54 2.14 0.00 | 58.77 2.87 0.00 | 46.90 2.19 0.00 | 39.54 1.77 0.00 | 31.06 1.35 0.86 | 24.95 1.04 0.75 | 14.09 0.57 0.00 | 22.89 0.98 0.00 | 18.63 0.71 0.00 | 16.78 0.66 2.92 | -10.40 0.24 17.20 | 24.66 1.20 6.99 | 42.35 1.81 2.27 | 58.58 2.60 0.00 | 65.03 2.82 0.00 | 51.03 2.12 0.00 | 41.07 1.67 0.00 | 39.67 1.57 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 35.74 -3.01 0.00 | 36.54 -2.98 0.00 | 36.32 -3.12 0.00 | 36.61 -2.83 0.00 | 36.71 -2.65 0.00 | 35.90 -2.43 0.00 | 44.61 -2.79 0.00 | 52.51 -3.39 0.00 | 41.88 -2.82 0.00 | 35.53 -2.24 0.00 | 28.83 -1.74 0.00 | 23.30 -1.36 0.00 | 12.97 -0.55 0.00 | 20.97 -0.94 0.00 | 17.12 -0.79 0.00 | 18.17 -0.87 0.00 | 6.15 -0.41 0.00 | 29.15 -1.30 0.00 | 41.71 -1.10 0.00 | 54.57 -1.41 0.00 | 60.50 -1.71 0.00 | 47.43 -1.48 0.00 | 37.99 -1.41 0.00 | 36.59 -1.50 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 37.64 -1.11 0.00 | 38.41 -1.11 0.00 | 38.34 -1.09 0.00 | 38.38 -1.06 0.00 | 38.33 -1.04 0.00 | 37.37 -0.96 0.00 | 46.25 -1.16 0.00 | 54.53 -1.37 0.00 | 43.51 -1.20 0.00 | 36.63 -1.13 0.00 | 29.61 -0.97 0.00 | 23.87 -0.79 0.00 | 13.10 -0.42 0.00 | 21.22 -0.70 0.00 | 17.33 -0.58 0.00 | 18.40 -0.64 0.00 | 6.32 -0.23 0.00 | 29.46 -0.99 0.00 | 41.56 -1.25 0.00 | 54.39 -1.59 0.00 | 60.37 -1.83 0.00 | 47.41 -1.50 0.00 | 38.16 -1.23 0.00 | 36.98 -1.12 0.00 |
| ELEC_TRO_TEK 24086 | 40.12 1.37 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.23 0.86 0.00 | 39.07 0.74 0.00 | 48.69 1.28 0.00 | 58.06 2.16 0.00 | 46.35 1.64 0.00 | 39.27 1.50 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.60 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.12 0.83 -5.26 | 37.86 0.30 -31.00 | 44.33 1.29 -12.59 | 48.67 1.77 -4.09 | 58.35 2.37 0.00 | 64.63 2.42 0.00 | 50.72 1.81 0.00 | 41.06 1.67 0.00 | 39.69 1.59 0.00 |

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| ELLENBURG_WT_PWR 323604 | 40.14 1.40 0.00 | 40.99 1.47 0.00 | 41.08 1.64 0.00 | 41.15 1.70 0.00 | 41.02 1.66 0.00 | 39.85 1.52 0.00 | 48.99 1.59 0.00 | 57.43 1.53 0.00 | 45.99 1.28 0.00 | 38.89 1.12 0.00 | 31.50 0.93 0.00 | 25.39 0.73 0.00 | 13.90 0.38 0.00 | 22.53 0.62 0.00 | 18.46 0.54 0.00 | 19.65 0.62 0.00 | 6.78 0.22 0.00 | 31.42 0.97 0.00 | 44.12 1.31 0.00 | 57.52 1.54 0.00 | 63.94 1.74 0.00 | 50.12 1.20 0.00 | 40.23 0.84 0.00 | 38.72 0.63 0.00 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 36.69 -2.06 0.00 | 37.63 -1.90 0.00 | 37.60 -1.84 0.00 | 37.87 -1.57 0.00 | 37.91 -1.45 0.00 | 37.12 -1.21 0.00 | 45.45 -1.96 0.00 | 52.92 -2.98 0.00 | 42.50 -2.21 0.00 | 36.03 -1.74 0.00 | 29.01 -1.56 0.00 | 23.44 -1.22 0.00 | 13.00 -0.52 0.00 | 20.98 -0.93 0.00 | 17.14 -0.78 0.00 | 18.26 -0.77 0.00 | 6.16 -0.40 0.00 | 28.69 -1.76 0.00 | 40.46 -2.35 0.00 | 52.34 -3.64 0.00 | 58.14 -4.07 0.00 | 45.77 -3.14 0.00 | 37.00 -2.39 0.00 | 36.16 -1.93 0.00 |
| EMPIRE_CC_1 323656 | 39.45 0.70 0.00 | 40.23 0.70 0.00 | 40.01 0.57 0.00 | 39.98 0.54 0.00 | 39.91 0.54 0.00 | 38.85 0.52 0.00 | 48.05 0.64 0.00 | 56.78 0.88 0.00 | 45.42 0.71 0.00 | 38.43 0.66 0.00 | 31.67 0.55 -0.55 | 25.56 0.42 -0.48 | 13.71 0.19 0.00 | 22.21 0.30 0.00 | 18.22 0.30 0.00 | 21.23 0.33 -1.87 | 17.70 0.11 -11.03 | 35.43 0.50 -4.48 | 44.77 0.51 -1.46 | 56.70 0.72 0.00 | 62.92 0.71 0.00 | 49.62 0.71 0.00 | 40.01 0.62 0.00 | 38.86 0.76 0.00 |
| EMPIRE_CC_2 323658 | 39.45 0.70 0.00 | 40.23 0.70 0.00 | 40.01 0.57 0.00 | 39.98 0.54 0.00 | 39.91 0.54 0.00 | 38.85 0.52 0.00 | 48.05 0.64 0.00 | 56.78 0.88 0.00 | 45.42 0.71 0.00 | 38.43 0.66 0.00 | 31.67 0.55 -0.55 | 25.56 0.42 -0.48 | 13.71 0.19 0.00 | 22.21 0.30 0.00 | 18.22 0.30 0.00 | 21.23 0.33 -1.87 | 17.70 0.11 -11.03 | 35.43 0.50 -4.48 | 44.77 0.51 -1.46 | 56.70 0.72 0.00 | 62.92 0.71 0.00 | 49.62 0.71 0.00 | 40.01 0.62 0.00 | 38.86 0.76 0.00 |
| ENORWICH_115KV_TB1 80156 | 40.42 1.68 0.00 | 40.75 1.23 0.00 | 40.63 1.19 0.00 | 40.63 1.18 0.00 | 40.51 1.14 0.00 | 39.81 1.48 0.00 | 49.60 2.20 0.00 | 58.51 2.61 0.00 | 46.03 1.33 0.00 | 38.17 0.40 0.00 | 30.39 -0.18 0.00 | 24.55 -0.11 0.00 | 13.59 0.07 0.00 | 22.16 0.25 0.00 | 18.12 0.21 0.00 | 19.23 0.19 0.00 | 6.62 0.07 0.00 | 31.46 1.02 0.00 | 45.09 2.28 0.00 | 59.27 3.29 0.00 | 65.45 3.25 0.00 | 50.69 1.78 0.00 | 40.48 1.08 0.00 | 39.07 0.98 0.00 |
| ERIE_ST_34_KV_TB1-2 80199 | 37.45 -1.29 0.00 | 38.38 -1.14 0.00 | 38.28 -1.15 0.00 | 38.56 -0.88 0.00 | 38.59 -0.78 0.00 | 37.73 -0.60 0.00 | 46.28 -1.13 0.00 | 54.04 -1.86 0.00 | 43.39 -1.32 0.00 | 36.77 -1.00 0.00 | 29.58 -0.99 0.00 | 23.89 -0.77 0.00 | 13.24 -0.28 0.00 | 21.36 -0.55 0.00 | 17.45 -0.47 0.00 | 18.58 -0.46 0.00 | 6.27 -0.29 0.00 | 29.20 -1.25 0.00 | 41.22 -1.59 0.00 | 53.46 -2.53 0.00 | 59.41 -2.79 0.00 | 46.74 -2.18 0.00 | 37.72 -1.67 0.00 | 36.82 -1.27 0.00 |
| ERIE_WT_PWR 323693 | 37.04 -1.71 0.00 | 37.97 -1.56 0.00 | 37.92 -1.52 0.00 | 38.18 -1.26 0.00 | 38.24 -1.12 0.00 | 37.44 -0.88 0.00 | 45.87 -1.53 0.00 | 53.46 -2.44 0.00 | 42.89 -1.81 0.00 | 36.37 -1.40 0.00 | 29.29 -1.28 0.00 | 23.65 -1.02 0.00 | 13.11 -0.41 0.00 | 21.16 -0.75 0.00 | 17.29 -0.62 0.00 | 18.42 -0.62 0.00 | 6.22 -0.34 0.00 | 28.98 -1.47 0.00 | 40.86 -1.95 0.00 | 52.89 -3.09 0.00 | 58.75 -3.46 0.00 | 46.22 -2.69 0.00 | 37.35 -2.04 0.00 | 36.50 -1.60 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 39.99 1.24 0.00 | 40.65 1.12 0.00 | 40.63 1.19 0.00 | 40.68 1.24 0.00 | 40.62 1.26 0.00 | 39.54 1.21 0.00 | 49.03 1.63 0.00 | 57.93 2.03 0.00 | 46.08 1.37 0.00 | 38.72 0.96 0.00 | 31.40 0.83 0.00 | 25.29 0.63 0.00 | 13.91 0.39 0.00 | 22.56 0.64 0.00 | 18.37 0.45 0.00 | 19.47 0.44 0.00 | 6.72 0.16 0.00 | 31.44 1.00 0.00 | 44.48 1.67 0.00 | 58.09 2.11 0.00 | 64.58 2.37 0.00 | 50.65 1.74 0.00 | 40.68 1.29 0.00 | 39.23 1.13 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 38.62 -0.13 0.00 | 39.33 -0.19 0.00 | 39.24 -0.20 0.00 | 39.27 -0.17 0.00 | 39.22 -0.14 0.00 | 38.32 -0.01 0.00 | 47.56 0.16 0.00 | 56.15 0.25 0.00 | 44.65 -0.05 0.00 | 37.37 -0.39 0.00 | 30.03 -0.54 0.00 | 24.19 -0.47 0.00 | 13.28 -0.24 0.00 | 21.51 -0.40 0.00 | 17.56 -0.36 0.00 | 18.63 -0.40 0.00 | 6.40 -0.16 0.00 | 30.04 -0.41 0.00 | 42.69 -0.12 0.00 | 56.11 0.13 0.00 | 62.25 0.04 0.00 | 48.78 -0.13 0.00 | 39.19 -0.20 0.00 | 37.91 -0.18 0.00 |
| ETNA____115KV_TB2 80207 | 38.62 -0.13 0.00 | 39.33 -0.19 0.00 | 39.24 -0.20 0.00 | 39.27 -0.17 0.00 | 39.22 -0.14 0.00 | 38.32 -0.01 0.00 | 47.56 0.16 0.00 | 56.15 0.25 0.00 | 44.65 -0.05 0.00 | 37.37 -0.39 0.00 | 30.03 -0.54 0.00 | 24.19 -0.47 0.00 | 13.28 -0.24 0.00 | 21.51 -0.40 0.00 | 17.56 -0.36 0.00 | 18.63 -0.40 0.00 | 6.40 -0.16 0.00 | 30.04 -0.41 0.00 | 42.69 -0.12 0.00 | 56.11 0.13 0.00 | 62.25 0.04 0.00 | 48.78 -0.13 0.00 | 39.19 -0.20 0.00 | 37.91 -0.18 0.00 |
| EUCLID____115KV_TB2 356179 | 37.44 -1.31 0.00 | 38.21 -1.32 0.00 | 38.15 -1.29 0.00 | 38.19 -1.25 0.00 | 38.13 -1.24 0.00 | 37.14 -1.19 0.00 | 45.94 -1.46 0.00 | 54.16 -1.74 0.00 | 43.24 -1.46 0.00 | 36.46 -1.31 0.00 | 29.50 -1.07 0.00 | 23.79 -0.87 0.00 | 13.05 -0.47 0.00 | 21.15 -0.76 0.00 | 17.28 -0.64 0.00 | 18.34 -0.70 0.00 | 6.30 -0.25 0.00 | 29.31 -1.13 0.00 | 41.29 -1.51 0.00 | 54.01 -1.97 0.00 | 59.97 -2.24 0.00 | 47.10 -1.81 0.00 | 37.94 -1.45 0.00 | 36.76 -1.33 0.00 |
| E_CANADA_CAP_HY 24051 | 40.38 1.64 0.00 | 41.09 1.56 0.00 | 41.10 1.66 0.00 | 41.19 1.75 0.00 | 41.14 1.78 0.00 | 39.96 1.64 0.00 | 49.51 2.11 0.00 | 58.43 2.52 0.00 | 46.37 1.67 0.00 | 38.74 0.97 0.00 | 31.80 0.98 -0.25 | 25.54 0.66 -0.22 | 13.86 0.34 0.00 | 22.47 0.56 0.00 | 18.30 0.39 0.00 | 20.20 0.31 -0.85 | 11.72 0.14 -5.02 | 33.58 1.09 -2.04 | 45.47 2.00 -0.66 | 58.59 2.62 0.00 | 65.18 2.97 0.00 | 51.27 2.35 0.00 | 41.18 1.79 0.00 | 39.70 1.60 0.00 |
| E_CANADA_MHWK_HY 24050 | 38.50 -0.24 0.00 | 39.16 -0.37 0.00 | 39.01 -0.43 0.00 | 38.96 -0.48 0.00 | 38.95 -0.42 0.00 | 38.04 -0.29 0.00 | 47.38 -0.02 0.00 | 56.12 0.21 0.00 | 44.61 -0.10 0.00 | 37.32 -0.45 0.00 | 30.10 -0.47 0.00 | 24.11 -0.55 0.00 | 13.11 -0.41 0.00 | 21.23 -0.68 0.00 | 17.36 -0.55 0.00 | 18.40 -0.64 0.00 | 6.36 -0.19 0.00 | 30.05 -0.40 0.00 | 42.75 -0.06 0.00 | 56.46 0.48 0.00 | 62.49 0.29 0.00 | 49.08 0.17 0.00 | 39.50 0.11 0.00 | 38.23 0.13 0.00 |
| E_FISHKILL____LBMP 23776 | 39.61 0.87 0.00 | 40.27 0.74 0.00 | 40.07 0.63 0.00 | 39.97 0.52 0.00 | 39.90 0.53 0.00 | 38.88 0.55 0.00 | 48.44 1.03 0.00 | 57.68 1.78 0.00 | 46.14 1.44 0.00 | 39.06 1.29 0.00 | 32.73 1.10 -1.06 | 26.51 0.92 -0.92 | 14.01 0.49 0.00 | 22.67 0.76 0.00 | 18.56 0.64 0.00 | 23.32 0.68 -3.60 | 28.02 0.22 -21.25 | 40.02 0.95 -8.63 | 46.86 1.24 -2.81 | 57.67 1.69 0.00 | 64.05 1.85 0.00 | 50.31 1.40 0.00 | 40.58 1.19 0.00 | 39.20 1.11 0.00 |
| FALCON____SEABRD_CC1 323796 | 41.21 2.46 0.00 | 42.03 2.51 0.00 | 42.23 2.79 0.00 | 42.31 2.87 0.00 | 42.14 2.77 0.00 | 40.88 2.55 0.00 | 50.20 2.80 0.00 | 58.88 2.98 0.00 | 47.08 2.38 0.00 | 39.78 2.01 0.00 | 32.22 1.65 0.00 | 25.97 1.30 0.00 | 14.18 0.66 0.00 | 22.95 1.04 0.00 | 18.86 0.95 0.00 | 20.09 1.06 0.00 | 6.89 0.33 0.00 | 31.98 1.53 0.00 | 44.88 2.07 0.00 | 58.61 2.63 0.00 | 64.92 2.72 0.00 | 50.57 1.66 0.00 | 40.59 1.20 0.00 | 39.28 1.19 0.00 |

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| FALCON___SEABRD_CC2 323797 | 41.21 2.46 0.00 | 42.03 2.51 0.00 | 42.23 2.79 0.00 | 42.31 2.87 0.00 | 42.14 2.77 0.00 | 40.88 2.55 0.00 | 50.20 2.80 0.00 | 58.88 2.98 0.00 | 47.08 2.38 0.00 | 39.78 2.01 0.00 | 32.22 1.65 0.00 | 25.97 1.30 0.00 | 14.18 0.66 0.00 | 22.95 1.04 0.00 | 18.86 0.95 0.00 | 20.09 1.06 0.00 | 6.89 0.33 0.00 | 31.98 1.53 0.00 | 44.88 2.07 0.00 | 58.61 2.63 0.00 | 64.92 2.72 0.00 | 50.57 1.66 0.00 | 40.59 1.20 0.00 | 39.28 1.19 0.00 |
| FAR ROCKAWAY___4 23548 | 40.62 1.87 0.00 | 41.18 1.65 0.00 | 40.91 1.48 0.00 | 40.77 1.33 0.00 | 40.69 1.33 0.00 | 39.56 1.23 0.00 | 49.31 1.91 0.00 | 58.76 2.86 0.00 | 46.89 2.19 0.00 | 39.55 1.78 0.00 | 33.69 1.57 -1.55 | 27.29 1.28 -1.35 | 14.22 0.70 0.00 | 23.01 1.09 0.00 | 18.91 1.00 0.00 | 25.35 1.06 -5.26 | 37.94 0.38 -31.00 | 44.72 1.68 -12.59 | 49.24 2.34 -4.09 | 59.11 3.13 0.00 | 65.49 3.28 0.00 | 51.37 2.45 0.00 | 41.59 2.19 0.00 | 40.15 2.05 0.00 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 39.96 1.22 0.00 | 40.56 1.04 0.00 | 40.37 0.94 0.00 | 40.27 0.83 0.00 | 40.26 0.90 0.00 | 39.21 0.88 0.00 | 48.94 1.54 0.00 | 58.40 2.50 0.00 | 46.78 2.07 0.00 | 39.61 1.85 0.00 | 33.68 1.57 -1.54 | 27.32 1.32 -1.34 | 14.26 0.74 0.00 | 23.04 1.13 0.00 | 18.86 0.94 0.00 | 25.27 0.99 -5.24 | 37.78 0.32 -30.90 | 44.36 1.36 -12.55 | 48.78 1.89 -4.08 | 58.41 2.43 0.00 | 64.86 2.66 0.00 | 50.93 2.01 0.00 | 41.11 1.72 0.00 | 39.75 1.65 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 39.99 1.24 0.00 | 40.58 1.06 0.00 | 40.39 0.96 0.00 | 40.28 0.84 0.00 | 40.28 0.91 0.00 | 39.23 0.91 0.00 | 48.96 1.56 0.00 | 58.43 2.53 0.00 | 46.80 2.10 0.00 | 39.63 1.86 0.00 | 33.69 1.58 -1.54 | 27.32 1.32 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.86 0.94 0.00 | 25.27 0.99 -5.24 | 37.78 0.32 -30.90 | 44.37 1.37 -12.55 | 48.79 1.90 -4.08 | 58.44 2.46 0.00 | 64.88 2.68 0.00 | 50.95 2.04 0.00 | 41.13 1.74 0.00 | 39.77 1.67 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 39.95 1.20 0.00 | 40.55 1.03 0.00 | 40.36 0.92 0.00 | 40.25 0.81 0.00 | 40.25 0.89 0.00 | 39.20 0.87 0.00 | 48.92 1.51 0.00 | 58.38 2.48 0.00 | 46.78 2.07 0.00 | 39.61 1.84 0.00 | 33.67 1.56 -1.54 | 27.31 1.31 -1.34 | 14.25 0.73 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.26 0.99 -5.24 | 37.78 0.32 -30.90 | 44.35 1.36 -12.55 | 48.77 1.88 -4.08 | 58.39 2.41 0.00 | 64.82 2.61 0.00 | 50.90 1.99 0.00 | 41.09 1.70 0.00 | 39.73 1.63 0.00 |
| FARRAGUT___LBMP 323566 | 39.93 1.18 0.00 | 40.52 1.00 0.00 | 40.33 0.90 0.00 | 40.23 0.79 0.00 | 40.22 0.86 0.00 | 39.17 0.84 0.00 | 48.88 1.47 0.00 | 58.33 2.43 0.00 | 46.72 2.02 0.00 | 39.56 1.79 0.00 | 33.64 1.53 -1.54 | 27.28 1.28 -1.34 | 14.24 0.71 0.00 | 23.01 1.10 0.00 | 18.83 0.91 0.00 | 25.23 0.96 -5.24 | 37.77 0.31 -30.90 | 44.32 1.33 -12.55 | 48.73 1.84 -4.08 | 58.34 2.35 0.00 | 64.77 2.57 0.00 | 50.86 1.95 0.00 | 41.06 1.66 0.00 | 39.70 1.61 0.00 |
| FENNER___WINDPWR 24204 | 38.96 0.22 0.00 | 39.72 0.20 0.00 | 39.66 0.23 0.00 | 39.68 0.24 0.00 | 39.61 0.25 0.00 | 38.67 0.34 0.00 | 48.00 0.60 0.00 | 56.59 0.69 0.00 | 45.14 0.43 0.00 | 37.94 0.17 0.00 | 30.53 -0.04 0.00 | 24.55 -0.11 0.00 | 13.47 -0.05 0.00 | 21.83 -0.08 0.00 | 17.84 -0.08 0.00 | 18.96 -0.08 0.00 | 6.54 -0.02 0.00 | 30.61 0.16 0.00 | 43.31 0.51 0.00 | 56.80 0.82 0.00 | 63.01 0.80 0.00 | 49.31 0.40 0.00 | 39.60 0.20 0.00 | 38.24 0.14 0.00 |
| FIBERTEK___ENERGY 23856 | 37.85 -0.90 0.00 | 38.62 -0.91 0.00 | 38.56 -0.88 0.00 | 38.59 -0.85 0.00 | 38.54 -0.83 0.00 | 37.57 -0.76 0.00 | 46.52 -0.89 0.00 | 54.85 -1.05 0.00 | 43.75 -0.95 0.00 | 36.84 -0.92 0.00 | 29.78 -0.79 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.34 -0.58 0.00 | 17.43 -0.49 0.00 | 18.50 -0.54 0.00 | 6.37 -0.19 0.00 | 29.65 -0.80 0.00 | 41.81 -0.99 0.00 | 54.70 -1.28 0.00 | 60.72 -1.48 0.00 | 47.67 -1.24 0.00 | 38.38 -1.02 0.00 | 37.17 -0.92 0.00 |
| FITZPATRICK____ 23598 | 37.08 -1.67 0.00 | 37.85 -1.68 0.00 | 37.79 -1.64 0.00 | 37.83 -1.62 0.00 | 37.75 -1.62 0.00 | 36.75 -1.58 0.00 | 45.40 -2.00 0.00 | 53.51 -2.39 0.00 | 42.75 -1.96 0.00 | 36.08 -1.69 0.00 | 29.25 -1.33 0.00 | 23.60 -1.07 0.00 | 12.94 -0.58 0.00 | 20.97 -0.94 0.00 | 17.13 -0.78 0.00 | 18.19 -0.84 0.00 | 6.26 -0.30 0.00 | 29.06 -1.39 0.00 | 40.88 -1.92 0.00 | 53.46 -2.53 0.00 | 59.36 -2.85 0.00 | 46.63 -2.28 0.00 | 37.56 -1.83 0.00 | 36.40 -1.70 0.00 |
| FLOWRFLD_69_KV_BK1 356044 | 40.24 1.50 0.00 | 40.81 1.29 0.00 | 40.56 1.12 0.00 | 40.36 0.92 0.00 | 40.22 0.85 0.00 | 38.74 0.41 0.00 | 48.31 0.91 0.00 | 57.69 1.79 0.00 | 40.26 1.13 5.57 | 23.91 1.09 14.95 | 21.54 1.04 10.07 | 11.76 0.85 13.74 | 12.81 0.44 1.15 | 22.58 0.67 0.00 | 18.48 0.57 0.01 | 24.92 0.63 -5.26 | 37.83 0.27 -31.00 | 41.88 1.13 -10.29 | 48.65 1.75 -4.09 | 58.41 2.43 0.00 | 64.42 2.22 0.00 | 50.73 1.82 0.00 | 41.17 1.78 0.00 | 39.74 1.64 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 40.09 1.34 0.00 | 40.74 1.22 0.00 | 40.54 1.10 0.00 | 40.43 0.99 0.00 | 40.37 1.01 0.00 | 39.37 1.04 0.00 | 49.13 1.73 0.00 | 58.58 2.68 0.00 | 46.81 2.11 0.00 | 39.52 1.75 0.00 | 31.99 1.43 0.00 | 25.84 1.17 0.00 | 14.14 0.62 0.00 | 22.88 0.97 0.00 | 18.71 0.79 0.00 | 19.89 0.86 0.00 | 6.85 0.29 0.00 | 31.80 1.35 0.00 | 44.70 1.89 0.00 | 58.64 2.65 0.00 | 65.11 2.90 0.00 | 51.13 2.21 0.00 | 41.18 1.79 0.00 | 39.75 1.65 0.00 |
| FORT ORANGE____ 23900 | 39.79 1.04 0.00 | 40.69 1.17 0.00 | 40.54 1.10 0.00 | 40.52 1.08 0.00 | 40.45 1.08 0.00 | 39.42 1.09 0.00 | 48.93 1.53 0.00 | 57.87 1.97 0.00 | 46.23 1.52 0.00 | 38.97 1.20 0.00 | 31.89 0.90 -0.42 | 25.74 0.71 -0.37 | 13.84 0.32 0.00 | 22.40 0.49 0.00 | 18.36 0.44 0.00 | 20.94 0.47 -1.43 | 15.17 0.18 -8.43 | 34.75 0.88 -3.42 | 45.19 1.27 -1.11 | 57.82 1.84 0.00 | 64.17 1.97 0.00 | 50.49 1.57 0.00 | 40.66 1.27 0.00 | 39.36 1.27 0.00 |
| FORT_DRUM_COGEN 23780 | 39.42 0.68 0.00 | 39.82 0.29 0.00 | 40.15 0.71 0.00 | 40.33 0.89 0.00 | 40.05 0.69 0.00 | 38.79 0.45 0.00 | 48.46 1.05 0.00 | 57.14 1.24 0.00 | 45.53 0.82 0.00 | 37.78 0.02 0.00 | 30.26 -0.31 0.00 | 24.14 -0.53 0.00 | 13.08 -0.44 0.00 | 21.19 -0.72 0.00 | 17.32 -0.60 0.00 | 18.54 -0.49 0.00 | 6.57 0.01 0.00 | 30.94 0.49 0.00 | 44.13 1.32 0.00 | 58.16 2.17 0.00 | 64.46 2.26 0.00 | 50.18 1.27 0.00 | 40.12 0.73 0.00 | 38.11 0.02 0.00 |
| FOX_HILLS___ESR 323835 | 56.67 1.58 -16.34 | 55.94 1.39 -15.02 | 55.94 1.31 -15.19 | 55.94 1.15 -15.34 | 55.91 1.20 -15.34 | 56.37 1.15 -16.90 | 57.38 1.83 -8.15 | 59.43 2.84 -0.69 | 58.16 2.41 -11.04 | 58.07 2.14 -18.16 | 57.63 1.82 -25.24 | 55.94 1.55 -29.73 | 57.09 0.86 -42.71 | 56.48 1.33 -33.24 | 55.82 1.10 -36.79 | 55.82 1.16 -35.62 | 61.33 0.37 -54.40 | 58.72 1.56 -26.71 | 62.46 2.18 -17.47 | 79.10 2.69 -20.42 | 70.25 3.02 -5.03 | 64.15 2.39 -12.85 | 57.42 2.09 -15.94 | 57.17 1.97 -17.11 |
| FPL FAR_ROCK_GT1 24212 | 40.62 1.87 0.00 | 41.18 1.66 0.00 | 40.91 1.48 0.00 | 40.77 1.33 0.00 | 40.72 1.35 0.00 | 39.56 1.23 0.00 | 49.31 1.90 0.00 | 58.76 2.86 0.00 | 46.89 2.18 0.00 | 39.55 1.78 0.00 | 33.68 1.57 -1.55 | 27.29 1.28 -1.35 | 14.22 0.70 0.00 | 23.01 1.09 0.00 | 18.91 0.99 0.00 | 25.35 1.06 -5.26 | 37.94 0.38 -31.00 | 44.72 1.68 -12.59 | 49.23 2.33 -4.09 | 59.11 3.13 0.00 | 65.49 3.28 0.00 | 51.36 2.45 0.00 | 41.58 2.19 0.00 | 40.15 2.05 0.00 |

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| FPL FAR_ROCK_GT2 23815 | 40.62 1.87 0.00 | 41.18 1.66 0.00 | 40.91 1.48 0.00 | 40.77 1.33 0.00 | 40.72 1.35 0.00 | 39.56 1.23 0.00 | 49.31 1.90 0.00 | 58.76 2.86 0.00 | 46.89 2.18 0.00 | 39.55 1.78 0.00 | 33.68 1.57 -1.55 | 27.29 1.28 -1.35 | 14.22 0.70 0.00 | 23.01 1.09 0.00 | 18.91 0.99 0.00 | 25.35 1.06 -5.26 | 37.94 0.38 -31.00 | 44.72 1.68 -12.59 | 49.23 2.33 -4.09 | 59.11 3.13 0.00 | 65.49 3.28 0.00 | 51.36 2.45 0.00 | 41.58 2.19 0.00 | 40.15 2.05 0.00 |
| FRANKLIN_FALL_HYD 24054 | 40.52 1.77 0.00 | 41.40 1.87 0.00 | 41.49 2.05 0.00 | 41.56 2.12 0.00 | 41.44 2.08 0.00 | 40.30 1.97 0.00 | 49.66 2.26 0.00 | 58.22 2.31 0.00 | 46.61 1.91 0.00 | 39.33 1.56 0.00 | 31.82 1.25 0.00 | 25.56 0.90 0.00 | 13.99 0.47 0.00 | 22.66 0.75 0.00 | 18.54 0.63 0.00 | 19.75 0.72 0.00 | 6.83 0.28 0.00 | 31.72 1.27 0.00 | 44.60 1.80 0.00 | 58.25 2.26 0.00 | 64.82 2.62 0.00 | 50.92 2.01 0.00 | 40.85 1.45 0.00 | 39.22 1.13 0.00 |
| FREEPORT_EQUS_GT1 23764 | 40.29 1.54 0.00 | 40.87 1.34 0.00 | 40.61 1.17 0.00 | 40.46 1.01 0.00 | 40.37 1.00 0.00 | 39.16 0.83 0.00 | 48.80 1.40 0.00 | 58.23 2.33 0.00 | 46.44 1.74 0.00 | 39.33 1.57 0.00 | 33.51 1.39 -1.55 | 27.13 1.12 -1.35 | 14.13 0.60 0.00 | 22.84 0.93 0.00 | 18.70 0.79 0.00 | 25.13 0.83 -5.26 | 37.87 0.31 -31.00 | 44.42 1.39 -12.59 | 48.82 1.92 -4.09 | 58.60 2.61 0.00 | 64.90 2.69 0.00 | 50.93 2.01 0.00 | 41.24 1.85 0.00 | 39.85 1.75 0.00 |
| FREEPORT___CT2 23818 | 40.29 1.54 0.00 | 40.87 1.34 0.00 | 40.61 1.17 0.00 | 40.46 1.01 0.00 | 40.37 1.00 0.00 | 39.16 0.83 0.00 | 48.80 1.40 0.00 | 58.23 2.33 0.00 | 46.44 1.74 0.00 | 39.33 1.57 0.00 | 33.51 1.39 -1.55 | 27.13 1.12 -1.35 | 14.13 0.60 0.00 | 22.84 0.93 0.00 | 18.70 0.79 0.00 | 25.13 0.83 -5.26 | 37.87 0.31 -31.00 | 44.42 1.39 -12.59 | 48.82 1.92 -4.09 | 58.60 2.61 0.00 | 64.90 2.69 0.00 | 50.93 2.01 0.00 | 41.24 1.85 0.00 | 39.85 1.75 0.00 |
| FRESHKLS_33_KV_LOAD 356253 | 56.66 1.57 -16.34 | 55.92 1.38 -15.02 | 55.94 1.31 -15.19 | 55.94 1.15 -15.34 | 55.91 1.20 -15.34 | 56.33 1.10 -16.90 | 57.32 1.77 -8.15 | 59.36 2.77 -0.69 | 58.11 2.37 -11.04 | 58.02 2.09 -18.16 | 57.60 1.79 -25.24 | 55.91 1.52 -29.73 | 57.07 0.84 -42.71 | 56.44 1.30 -33.24 | 55.78 1.08 -36.79 | 55.78 1.14 -35.62 | 61.32 0.36 -54.40 | 58.67 1.51 -26.71 | 62.42 2.14 -17.47 | 78.99 2.59 -20.42 | 70.16 2.92 -5.03 | 64.13 2.37 -12.85 | 57.42 2.09 -15.94 | 57.15 1.94 -17.11 |
| FULTON COGEN____ 23766 | 37.29 -1.45 0.00 | 38.05 -1.48 0.00 | 37.99 -1.45 0.00 | 38.04 -1.40 0.00 | 37.97 -1.39 0.00 | 36.99 -1.34 0.00 | 45.77 -1.64 0.00 | 53.97 -1.94 0.00 | 43.07 -1.63 0.00 | 36.28 -1.49 0.00 | 29.36 -1.22 0.00 | 23.65 -1.01 0.00 | 12.97 -0.55 0.00 | 21.00 -0.91 0.00 | 17.16 -0.76 0.00 | 18.21 -0.82 0.00 | 6.27 -0.29 0.00 | 29.20 -1.25 0.00 | 41.14 -1.66 0.00 | 53.85 -2.13 0.00 | 59.78 -2.43 0.00 | 46.94 -1.97 0.00 | 37.78 -1.61 0.00 | 36.60 -1.49 0.00 |
| FULTON___LFGE 323630 | 40.63 1.89 0.00 | 41.36 1.84 0.00 | 41.29 1.86 0.00 | 41.34 1.89 0.00 | 41.29 1.92 0.00 | 40.23 1.90 0.00 | 49.94 2.54 0.00 | 59.05 3.15 0.00 | 46.70 1.99 0.00 | 38.88 1.11 0.00 | 31.82 0.94 -0.31 | 25.51 0.58 -0.27 | 13.72 0.20 0.00 | 22.23 0.32 0.00 | 18.14 0.22 0.00 | 20.13 0.05 -1.04 | 12.73 0.04 -6.13 | 34.01 1.07 -2.49 | 45.80 2.19 -0.81 | 59.08 3.10 0.00 | 65.65 3.45 0.00 | 51.57 2.65 0.00 | 41.41 2.02 0.00 | 39.95 1.85 0.00 |
| G.F.CEMENT___DRP 24184 | 40.62 1.87 0.00 | 41.30 1.78 0.00 | 41.31 1.87 0.00 | 41.32 1.87 0.00 | 41.30 1.94 0.00 | 40.35 2.03 0.00 | 50.20 2.80 0.00 | 59.31 3.41 0.00 | 47.23 2.53 0.00 | 39.74 1.97 0.00 | 32.13 1.16 -0.41 | 25.90 0.88 -0.35 | 13.90 0.38 0.00 | 22.49 0.58 0.00 | 18.44 0.52 0.00 | 21.00 0.58 -1.38 | 14.92 0.23 -8.14 | 35.16 1.41 -3.30 | 45.93 2.05 -1.08 | 59.11 3.13 0.00 | 65.49 3.29 0.00 | 51.39 2.48 0.00 | 41.38 1.99 0.00 | 40.08 1.98 0.00 |
| GARDENVILLE___LBMP 24039 | 36.86 -1.89 0.00 | 37.80 -1.72 0.00 | 37.75 -1.68 0.00 | 38.02 -1.42 0.00 | 38.08 -1.29 0.00 | 37.28 -1.05 0.00 | 45.67 -1.74 0.00 | 53.22 -2.68 0.00 | 42.72 -1.99 0.00 | 36.22 -1.54 0.00 | 29.16 -1.41 0.00 | 23.55 -1.11 0.00 | 13.07 -0.46 0.00 | 21.08 -0.82 0.00 | 17.23 -0.69 0.00 | 18.34 -0.69 0.00 | 6.19 -0.37 0.00 | 28.83 -1.62 0.00 | 40.68 -2.13 0.00 | 52.67 -3.31 0.00 | 58.51 -3.70 0.00 | 46.04 -2.87 0.00 | 37.21 -2.18 0.00 | 36.36 -1.74 0.00 |
| GARDNVLA_35_KV_LD 355827 | 37.12 -1.63 0.00 | 38.06 -1.47 0.00 | 38.01 -1.43 0.00 | 38.29 -1.16 0.00 | 38.34 -1.03 0.00 | 37.54 -0.79 0.00 | 45.97 -1.43 0.00 | 53.59 -2.31 0.00 | 43.02 -1.69 0.00 | 36.48 -1.29 0.00 | 29.37 -1.21 0.00 | 23.72 -0.94 0.00 | 13.15 -0.37 0.00 | 21.23 -0.68 0.00 | 17.34 -0.58 0.00 | 18.47 -0.56 0.00 | 6.23 -0.33 0.00 | 29.04 -1.41 0.00 | 40.98 -1.83 0.00 | 53.04 -2.94 0.00 | 58.92 -3.29 0.00 | 46.36 -2.55 0.00 | 37.46 -1.93 0.00 | 36.61 -1.49 0.00 |
| GELCKHM__115KV_LOAD 80723 | 37.58 -1.16 0.00 | 38.35 -1.17 0.00 | 38.29 -1.15 0.00 | 38.33 -1.12 0.00 | 38.27 -1.10 0.00 | 37.29 -1.04 0.00 | 46.13 -1.27 0.00 | 54.39 -1.51 0.00 | 43.41 -1.30 0.00 | 36.59 -1.18 0.00 | 29.59 -0.98 0.00 | 23.86 -0.80 0.00 | 13.09 -0.43 0.00 | 21.21 -0.71 0.00 | 17.32 -0.60 0.00 | 18.38 -0.65 0.00 | 6.32 -0.23 0.00 | 29.43 -1.02 0.00 | 41.47 -1.34 0.00 | 54.25 -1.73 0.00 | 60.22 -1.98 0.00 | 47.30 -1.61 0.00 | 38.09 -1.30 0.00 | 36.90 -1.19 0.00 |
| GENERAL___MILLS 23808 | 37.01 -1.74 0.00 | 37.96 -1.57 0.00 | 37.90 -1.54 0.00 | 38.18 -1.26 0.00 | 38.23 -1.13 0.00 | 37.43 -0.90 0.00 | 45.84 -1.56 0.00 | 53.43 -2.48 0.00 | 42.88 -1.83 0.00 | 36.36 -1.41 0.00 | 29.26 -1.31 0.00 | 23.64 -1.02 0.00 | 13.11 -0.41 0.00 | 21.16 -0.76 0.00 | 17.28 -0.63 0.00 | 18.41 -0.63 0.00 | 6.21 -0.35 0.00 | 28.94 -1.51 0.00 | 40.82 -1.99 0.00 | 52.85 -3.13 0.00 | 58.72 -3.49 0.00 | 46.21 -2.71 0.00 | 37.34 -2.05 0.00 | 36.49 -1.60 0.00 |
| GE_PLASTICS___DRP 24183 | 39.21 0.46 0.00 | 40.24 0.71 0.00 | 40.18 0.74 0.00 | 40.14 0.70 0.00 | 40.06 0.70 0.00 | 39.04 0.71 0.00 | 48.42 1.01 0.00 | 57.27 1.37 0.00 | 45.78 1.07 0.00 | 38.67 0.90 0.00 | 31.70 0.71 -0.42 | 25.59 0.57 -0.37 | 13.79 0.27 0.00 | 22.34 0.43 0.00 | 18.30 0.38 0.00 | 20.86 0.40 -1.43 | 15.12 0.14 -8.42 | 34.54 0.67 -3.42 | 44.82 0.90 -1.11 | 57.26 1.28 0.00 | 63.57 1.37 0.00 | 50.02 1.10 0.00 | 40.30 0.90 0.00 | 39.01 0.91 0.00 |
| GILBOA___1 23756 | 39.22 0.47 0.00 | 39.95 0.43 0.00 | 39.81 0.37 0.00 | 39.75 0.31 0.00 | 39.68 0.31 0.00 | 38.66 0.33 0.00 | 47.90 0.50 0.00 | 56.69 0.79 0.00 | 45.32 0.62 0.00 | 38.38 0.61 0.00 | 31.05 0.48 0.00 | 25.09 0.43 0.00 | 13.79 0.26 0.00 | 22.39 0.47 0.00 | 18.25 0.33 0.00 | 19.32 0.29 0.00 | 6.65 0.09 0.00 | 30.87 0.42 0.00 | 43.31 0.50 0.00 | 56.73 0.75 0.00 | 63.06 0.86 0.00 | 49.60 0.68 0.00 | 39.96 0.57 0.00 | 38.66 0.57 0.00 |
| GILBOA___2 23757 | 39.22 0.47 0.00 | 39.95 0.43 0.00 | 39.81 0.37 0.00 | 39.75 0.31 0.00 | 39.68 0.31 0.00 | 38.66 0.33 0.00 | 47.90 0.50 0.00 | 56.69 0.79 0.00 | 45.32 0.62 0.00 | 38.38 0.61 0.00 | 31.05 0.48 0.00 | 25.09 0.43 0.00 | 13.79 0.26 0.00 | 22.39 0.47 0.00 | 18.25 0.33 0.00 | 19.32 0.29 0.00 | 6.65 0.09 0.00 | 30.87 0.42 0.00 | 43.31 0.50 0.00 | 56.73 0.75 0.00 | 63.06 0.86 0.00 | 49.60 0.68 0.00 | 39.96 0.57 0.00 | 38.66 0.57 0.00 |

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| GILBOA___3 23758 | 39.22 0.47 0.00 | 39.95 0.43 0.00 | 39.81 0.37 0.00 | 39.75 0.31 0.00 | 39.68 0.31 0.00 | 38.66 0.33 0.00 | 47.90 0.50 0.00 | 56.69 0.79 0.00 | 45.32 0.62 0.00 | 38.38 0.61 0.00 | 31.05 0.48 0.00 | 25.09 0.43 0.00 | 13.79 0.26 0.00 | 22.39 0.47 0.00 | 18.25 0.33 0.00 | 19.32 0.29 0.00 | 6.65 0.09 0.00 | 30.87 0.42 0.00 | 43.31 0.50 0.00 | 56.73 0.75 0.00 | 63.06 0.86 0.00 | 49.60 0.68 0.00 | 39.96 0.57 0.00 | 38.66 0.57 0.00 |
| GILBOA___4 23759 | 39.22 0.47 0.00 | 39.95 0.43 0.00 | 39.81 0.37 0.00 | 39.75 0.31 0.00 | 39.68 0.31 0.00 | 38.66 0.33 0.00 | 47.90 0.50 0.00 | 56.69 0.79 0.00 | 45.32 0.62 0.00 | 38.38 0.61 0.00 | 31.05 0.48 0.00 | 25.09 0.43 0.00 | 13.79 0.26 0.00 | 22.39 0.47 0.00 | 18.25 0.33 0.00 | 19.32 0.29 0.00 | 6.65 0.09 0.00 | 30.87 0.42 0.00 | 43.31 0.50 0.00 | 56.73 0.75 0.00 | 63.06 0.86 0.00 | 49.60 0.68 0.00 | 39.96 0.57 0.00 | 38.66 0.57 0.00 |
| GILBOA___ 23599 | 39.22 0.48 0.00 | 39.95 0.43 0.00 | 39.81 0.37 0.00 | 39.75 0.31 0.00 | 39.67 0.31 0.00 | 38.66 0.33 0.00 | 47.90 0.49 0.00 | 56.69 0.79 0.00 | 45.32 0.62 0.00 | 38.38 0.61 0.00 | 31.05 0.48 0.00 | 25.09 0.43 0.00 | 13.79 0.26 0.00 | 22.39 0.47 0.00 | 18.25 0.33 0.00 | 19.32 0.29 0.00 | 6.65 0.09 0.00 | 30.88 0.43 0.00 | 43.31 0.51 0.00 | 56.73 0.75 0.00 | 63.06 0.86 0.00 | 49.60 0.69 0.00 | 39.96 0.57 0.00 | 38.66 0.56 0.00 |
| GINNA___ 23603 | 35.67 -3.08 0.00 | 36.49 -3.03 0.00 | 36.43 -3.01 0.00 | 36.61 -2.83 0.00 | 36.61 -2.75 0.00 | 35.80 -2.53 0.00 | 44.15 -3.26 0.00 | 51.31 -4.59 0.00 | 41.04 -3.66 0.00 | 34.51 -3.26 0.00 | 27.74 -2.83 0.00 | 22.35 -2.31 0.00 | 12.24 -1.28 0.00 | 19.86 -2.04 0.00 | 16.23 -1.69 0.00 | 17.26 -1.77 0.00 | 5.97 -0.58 0.00 | 27.92 -2.53 0.00 | 39.44 -3.37 0.00 | 51.33 -4.65 0.00 | 56.95 -5.25 0.00 | 44.74 -4.17 0.00 | 36.04 -3.36 0.00 | 35.01 -3.09 0.00 |
| GLEN PARK___ 23778 | 39.58 0.83 0.00 | 39.97 0.45 0.00 | 40.29 0.84 0.00 | 40.46 1.02 0.00 | 40.19 0.82 0.00 | 38.95 0.63 0.00 | 48.70 1.29 0.00 | 57.44 1.54 0.00 | 45.74 1.04 0.00 | 37.88 0.11 0.00 | 30.29 -0.28 0.00 | 24.11 -0.55 0.00 | 13.06 -0.46 0.00 | 21.15 -0.76 0.00 | 17.28 -0.64 0.00 | 18.50 -0.54 0.00 | 6.57 0.01 0.00 | 30.99 0.54 0.00 | 44.26 1.45 0.00 | 58.38 2.40 0.00 | 64.73 2.52 0.00 | 50.38 1.46 0.00 | 40.26 0.87 0.00 | 38.25 0.15 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 40.24 1.49 0.00 | 40.80 1.27 0.00 | 40.63 1.19 0.00 | 40.50 1.06 0.00 | 40.49 1.12 0.00 | 39.45 1.12 0.00 | 49.20 1.80 0.00 | 58.75 2.85 0.00 | 47.09 2.39 0.00 | 39.90 2.13 0.00 | 33.91 1.80 -1.54 | 27.52 1.51 -1.34 | 14.36 0.84 0.00 | 23.22 1.31 0.00 | 19.00 1.08 0.00 | 25.41 1.14 -5.24 | 37.80 0.37 -30.87 | 44.53 1.55 -12.54 | 49.03 2.15 -4.08 | 58.73 2.75 0.00 | 65.25 3.05 0.00 | 51.26 2.34 0.00 | 41.40 2.00 0.00 | 40.41 1.93 -0.38 |
| GLENWOOD_IC_1_G5 23712 | 40.28 1.53 0.00 | 40.86 1.34 0.00 | 40.62 1.18 0.00 | 40.46 1.02 0.00 | 40.37 1.01 0.00 | 39.22 0.89 0.00 | 48.88 1.48 0.00 | 58.31 2.41 0.00 | 46.55 1.85 0.00 | 39.42 1.65 0.00 | 33.58 1.47 -1.55 | 27.21 1.20 -1.35 | 14.17 0.65 0.00 | 22.92 1.01 0.00 | 18.77 0.85 0.00 | 25.20 0.91 -5.26 | 37.89 0.33 -31.00 | 44.49 1.45 -12.59 | 48.90 1.99 -4.09 | 58.63 2.65 0.00 | 64.94 2.74 0.00 | 50.96 2.05 0.00 | 41.25 1.85 0.00 | 39.85 1.76 0.00 |
| GLENWOOD_IC_2_G1 23688 | 40.19 1.44 0.00 | 40.78 1.26 0.00 | 40.54 1.11 0.00 | 40.39 0.95 0.00 | 40.33 0.97 0.00 | 39.15 0.82 0.00 | 48.78 1.38 0.00 | 58.20 2.30 0.00 | 46.46 1.75 0.00 | 39.35 1.58 0.00 | 33.52 1.40 -1.55 | 27.16 1.15 -1.35 | 14.15 0.62 0.00 | 22.88 0.96 0.00 | 18.73 0.82 0.00 | 25.16 0.87 -5.26 | 37.87 0.31 -31.00 | 44.40 1.37 -12.59 | 48.79 1.89 -4.09 | 58.51 2.53 0.00 | 64.80 2.59 0.00 | 50.87 1.96 0.00 | 41.17 1.77 0.00 | 39.77 1.67 0.00 |
| GLENWOOD_IC_3_G1 23689 | 40.19 1.44 0.00 | 40.78 1.26 0.00 | 40.54 1.11 0.00 | 40.39 0.95 0.00 | 40.33 0.97 0.00 | 39.15 0.82 0.00 | 48.78 1.38 0.00 | 58.20 2.30 0.00 | 46.46 1.75 0.00 | 39.35 1.58 0.00 | 33.52 1.40 -1.55 | 27.16 1.15 -1.35 | 14.15 0.62 0.00 | 22.88 0.96 0.00 | 18.73 0.82 0.00 | 25.16 0.87 -5.26 | 37.87 0.31 -31.00 | 44.40 1.37 -12.59 | 48.79 1.89 -4.09 | 58.51 2.53 0.00 | 64.80 2.59 0.00 | 50.87 1.96 0.00 | 41.17 1.77 0.00 | 39.77 1.67 0.00 |
| GLENWOOD___4 23550 | 40.28 1.53 0.00 | 40.86 1.34 0.00 | 40.62 1.18 0.00 | 40.46 1.02 0.00 | 40.37 1.01 0.00 | 39.22 0.89 0.00 | 48.88 1.48 0.00 | 58.31 2.41 0.00 | 46.55 1.85 0.00 | 39.42 1.65 0.00 | 33.58 1.47 -1.55 | 27.21 1.20 -1.35 | 14.17 0.65 0.00 | 22.92 1.01 0.00 | 18.77 0.85 0.00 | 25.20 0.91 -5.26 | 37.89 0.33 -31.00 | 44.49 1.45 -12.59 | 48.90 1.99 -4.09 | 58.63 2.65 0.00 | 64.94 2.74 0.00 | 50.96 2.05 0.00 | 41.25 1.85 0.00 | 39.85 1.76 0.00 |
| GLENWOOD___5 23614 | 40.28 1.53 0.00 | 40.86 1.34 0.00 | 40.62 1.18 0.00 | 40.46 1.02 0.00 | 40.37 1.01 0.00 | 39.22 0.89 0.00 | 48.88 1.48 0.00 | 58.31 2.41 0.00 | 46.55 1.85 0.00 | 39.42 1.65 0.00 | 33.58 1.47 -1.55 | 27.21 1.20 -1.35 | 14.17 0.65 0.00 | 22.92 1.01 0.00 | 18.77 0.85 0.00 | 25.20 0.91 -5.26 | 37.89 0.33 -31.00 | 44.49 1.45 -12.59 | 48.90 1.99 -4.09 | 58.63 2.65 0.00 | 64.94 2.74 0.00 | 50.96 2.05 0.00 | 41.25 1.85 0.00 | 39.85 1.76 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 40.35 1.61 0.00 | 41.12 1.59 0.00 | 40.77 1.33 0.00 | 40.43 0.99 0.00 | 40.36 0.99 0.00 | 38.54 0.21 0.00 | 48.06 0.66 0.00 | 56.87 0.97 0.00 | 40.18 0.29 4.82 | 25.43 0.59 12.93 | 23.08 1.01 8.50 | 13.86 0.90 11.70 | 13.00 0.47 0.99 | 22.64 0.73 0.00 | 18.50 0.59 0.01 | 24.99 0.70 -5.26 | 37.90 0.34 -31.00 | 41.51 0.45 -10.60 | 47.72 0.81 -4.09 | 57.60 1.62 0.00 | 63.58 1.37 0.00 | 50.29 1.37 0.00 | 40.77 1.37 0.00 | 39.15 1.05 0.00 |
| GLOBE___DSASP 323697 | 35.52 -3.23 0.00 | 36.49 -3.03 0.00 | 36.47 -2.97 0.00 | 36.79 -2.66 0.00 | 36.79 -2.58 0.00 | 36.01 -2.32 0.00 | 43.92 -3.48 0.00 | 50.92 -4.98 0.00 | 40.95 -3.76 0.00 | 34.72 -3.05 0.00 | 27.95 -2.62 0.00 | 22.61 -2.05 0.00 | 12.55 -0.97 0.00 | 20.25 -1.66 0.00 | 16.55 -1.37 0.00 | 17.66 -1.37 0.00 | 5.97 -0.59 0.00 | 27.68 -2.77 0.00 | 38.96 -3.85 0.00 | 50.21 -5.77 0.00 | 55.76 -6.45 0.00 | 44.00 -4.92 0.00 | 35.67 -3.73 0.00 | 34.96 -3.14 0.00 |
| GOETHSLN___LBMP 323567 | 39.76 1.02 0.00 | 40.36 0.84 0.00 | 40.19 0.75 0.00 | 40.07 0.63 0.00 | 40.07 0.70 0.00 | 39.02 0.68 0.00 | 48.68 1.28 0.00 | 58.10 2.20 0.00 | 46.52 1.81 0.00 | 39.39 1.62 0.00 | 33.49 1.38 -1.54 | 27.17 1.17 -1.34 | 14.18 0.66 0.00 | 22.92 1.00 0.00 | 18.76 0.84 0.00 | 25.15 0.87 -5.24 | 37.74 0.28 -30.90 | 44.16 1.17 -12.55 | 48.51 1.62 -4.08 | 58.07 2.09 0.00 | 64.52 2.31 0.00 | 50.66 1.75 0.00 | 40.89 1.50 0.00 | 39.53 1.43 0.00 |
| GOLAH___69_KV_TB 1_2 80279 | 37.37 -1.38 0.00 | 38.25 -1.28 0.00 | 38.18 -1.26 0.00 | 38.38 -1.06 0.00 | 38.39 -0.98 0.00 | 37.65 -0.68 0.00 | 46.34 -1.06 0.00 | 54.25 -1.66 0.00 | 43.34 -1.37 0.00 | 36.40 -1.36 0.00 | 29.23 -1.34 0.00 | 23.54 -1.12 0.00 | 12.97 -0.55 0.00 | 20.95 -0.95 0.00 | 17.11 -0.81 0.00 | 18.21 -0.83 0.00 | 6.22 -0.34 0.00 | 28.99 -1.46 0.00 | 41.08 -1.72 0.00 | 53.55 -2.43 0.00 | 59.46 -2.75 0.00 | 46.75 -2.17 0.00 | 37.68 -1.71 0.00 | 36.68 -1.42 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| GOODYEAR_LAKE_HYD 323669 | 39.70 0.95 0.00 | 40.38 0.85 0.00 | 40.27 0.83 0.00 | 40.25 0.81 0.00 | 40.20 0.83 0.00 | 39.21 0.88 0.00 | 48.68 1.27 0.00 | 57.59 1.68 0.00 | 45.88 1.18 0.00 | 38.70 0.93 0.00 | 31.27 0.70 0.00 | 25.24 0.58 0.00 | 13.89 0.37 0.00 | 22.51 0.60 0.00 | 18.35 0.43 0.00 | 19.47 0.43 0.00 | 6.71 0.15 0.00 | 31.26 0.82 0.00 | 44.09 1.28 0.00 | 57.65 1.66 0.00 | 64.05 1.84 0.00 | 50.22 1.31 0.00 | 40.38 0.99 0.00 | 38.99 0.90 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 38.12 -0.63 0.00 | 38.83 -0.70 0.00 | 38.71 -0.73 0.00 | 38.71 -0.73 0.00 | 38.67 -0.69 0.00 | 37.76 -0.57 0.00 | 46.80 -0.61 0.00 | 55.25 -0.65 0.00 | 44.04 -0.67 0.00 | 37.16 -0.61 0.00 | 29.99 -0.58 0.00 | 24.21 -0.45 0.00 | 13.35 -0.17 0.00 | 21.62 -0.29 0.00 | 17.66 -0.25 0.00 | 18.74 -0.29 0.00 | 6.39 -0.17 0.00 | 29.90 -0.55 0.00 | 42.26 -0.55 0.00 | 55.34 -0.64 0.00 | 61.43 -0.78 0.00 | 48.13 -0.78 0.00 | 38.71 -0.68 0.00 | 37.49 -0.61 0.00 |
| GOUDEY___7 23579 | 38.12 -0.63 0.00 | 38.83 -0.70 0.00 | 38.71 -0.73 0.00 | 38.71 -0.73 0.00 | 38.67 -0.69 0.00 | 37.76 -0.57 0.00 | 46.80 -0.61 0.00 | 55.25 -0.65 0.00 | 44.04 -0.67 0.00 | 37.16 -0.61 0.00 | 29.99 -0.58 0.00 | 24.21 -0.45 0.00 | 13.35 -0.17 0.00 | 21.62 -0.29 0.00 | 17.66 -0.25 0.00 | 18.74 -0.29 0.00 | 6.39 -0.17 0.00 | 29.90 -0.55 0.00 | 42.26 -0.55 0.00 | 55.34 -0.64 0.00 | 61.43 -0.78 0.00 | 48.13 -0.78 0.00 | 38.71 -0.68 0.00 | 37.49 -0.61 0.00 |
| GOUDEY___8 23580 | 38.12 -0.63 0.00 | 38.83 -0.70 0.00 | 38.71 -0.73 0.00 | 38.71 -0.73 0.00 | 38.67 -0.69 0.00 | 37.76 -0.57 0.00 | 46.80 -0.61 0.00 | 55.25 -0.65 0.00 | 44.04 -0.67 0.00 | 37.16 -0.61 0.00 | 29.99 -0.58 0.00 | 24.21 -0.45 0.00 | 13.35 -0.17 0.00 | 21.62 -0.29 0.00 | 17.66 -0.25 0.00 | 18.74 -0.29 0.00 | 6.39 -0.17 0.00 | 29.90 -0.55 0.00 | 42.26 -0.55 0.00 | 55.34 -0.64 0.00 | 61.43 -0.78 0.00 | 48.13 -0.78 0.00 | 38.71 -0.68 0.00 | 37.49 -0.61 0.00 |
| GOWANUS_GT1_1 24077 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.86 -20.42 | 70.41 3.17 -5.03 | 64.24 2.48 -12.85 | 57.47 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT1_2 24078 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.86 -20.42 | 70.41 3.17 -5.03 | 64.24 2.48 -12.85 | 57.47 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT1_3 24079 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.86 -20.42 | 70.41 3.17 -5.03 | 64.24 2.48 -12.85 | 57.47 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT1_4 24080 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.86 -20.42 | 70.41 3.17 -5.03 | 64.24 2.48 -12.85 | 57.47 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT1_5 24084 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.86 -20.42 | 70.41 3.17 -5.03 | 64.24 2.48 -12.85 | 57.47 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT1_6 24111 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.86 -20.42 | 70.41 3.17 -5.03 | 64.24 2.48 -12.85 | 57.47 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT1_7 24112 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.86 -20.42 | 70.41 3.17 -5.03 | 64.24 2.48 -12.85 | 57.47 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT1_8 24113 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.86 -20.42 | 70.41 3.17 -5.03 | 64.24 2.48 -12.85 | 57.47 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT2_1 24114 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT2_2 24115 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT2_3 24116 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |

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|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT2_4 24117 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT2_5 24118 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT2_6 24119 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT2_7 24120 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT2_8 24121 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT3_1 24122 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.25 2.49 -12.85 | 57.47 2.13 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT3_2 24123 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.25 2.49 -12.85 | 57.47 2.13 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT3_3 24124 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.25 2.49 -12.85 | 57.47 2.13 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT3_4 24125 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.25 2.49 -12.85 | 57.47 2.13 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT3_5 24126 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.25 2.49 -12.85 | 57.47 2.13 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT3_6 24127 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.25 2.49 -12.85 | 57.47 2.13 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT3_7 24128 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.25 2.49 -12.85 | 57.47 2.13 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT3_8 24129 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.54 2.26 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.25 2.49 -12.85 | 57.47 2.13 -15.94 | 57.25 2.04 -17.11 |
| GOWANUS_GT4_1 24130 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT4_2 24131 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT4_3 24132 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT4_4 24133 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT4_5 24134 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT4_6 24135 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT4_7 24136 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| GOWANUS_GT4_8 24137 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| GREENBSH_115KV_TB3 55895 | 39.62 0.88 0.00 | 40.49 0.97 0.00 | 40.33 0.90 0.00 | 40.30 0.86 0.00 | 40.22 0.85 0.00 | 39.20 0.87 0.00 | 48.61 1.20 0.00 | 57.49 1.59 0.00 | 45.97 1.26 0.00 | 38.82 1.05 0.00 | 31.83 0.83 -0.43 | 25.69 0.65 -0.38 | 13.83 0.31 0.00 | 22.41 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.41 0.17 -8.68 | 34.77 0.79 -3.52 | 45.01 1.06 -1.15 | 57.48 1.49 0.00 | 63.80 1.59 0.00 | 50.19 1.28 0.00 | 40.44 1.05 0.00 | 39.16 1.07 0.00 |
| GREENDGE_115KV_TB5 80291 | 37.59 -1.16 0.00 | 38.37 -1.15 0.00 | 38.30 -1.13 0.00 | 38.43 -1.01 0.00 | 38.43 -0.94 0.00 | 37.62 -0.71 0.00 | 46.64 -0.76 0.00 | 54.70 -1.20 0.00 | 43.65 -1.05 0.00 | 36.68 -1.09 0.00 | 29.46 -1.11 0.00 | 23.68 -0.99 0.00 | 13.05 -0.47 0.00 | 21.11 -0.80 0.00 | 17.25 -0.67 0.00 | 18.31 -0.73 0.00 | 6.24 -0.31 0.00 | 29.42 -1.02 0.00 | 41.92 -0.89 0.00 | 54.85 -1.14 0.00 | 60.84 -1.36 0.00 | 47.84 -1.07 0.00 | 38.43 -0.96 0.00 | 37.22 -0.88 0.00 |
| GREENIDGE___3 23582 | 37.59 -1.16 0.00 | 38.37 -1.15 0.00 | 38.30 -1.13 0.00 | 38.43 -1.01 0.00 | 38.43 -0.94 0.00 | 37.62 -0.71 0.00 | 46.64 -0.76 0.00 | 54.70 -1.20 0.00 | 43.65 -1.05 0.00 | 36.68 -1.09 0.00 | 29.46 -1.11 0.00 | 23.68 -0.99 0.00 | 13.05 -0.47 0.00 | 21.11 -0.80 0.00 | 17.25 -0.67 0.00 | 18.31 -0.73 0.00 | 6.24 -0.31 0.00 | 29.42 -1.02 0.00 | 41.92 -0.89 0.00 | 54.85 -1.14 0.00 | 60.84 -1.36 0.00 | 47.84 -1.07 0.00 | 38.43 -0.96 0.00 | 37.22 -0.88 0.00 |
| GREENIDGE___4 23583 | 37.59 -1.16 0.00 | 38.37 -1.15 0.00 | 38.30 -1.13 0.00 | 38.43 -1.01 0.00 | 38.43 -0.94 0.00 | 37.61 -0.72 0.00 | 46.64 -0.76 0.00 | 54.73 -1.17 0.00 | 43.64 -1.06 0.00 | 36.67 -1.10 0.00 | 29.46 -1.11 0.00 | 23.68 -0.99 0.00 | 13.05 -0.47 0.00 | 21.11 -0.80 0.00 | 17.25 -0.67 0.00 | 18.31 -0.73 0.00 | 6.24 -0.31 0.00 | 29.42 -1.03 0.00 | 41.91 -0.89 0.00 | 54.85 -1.13 0.00 | 60.84 -1.37 0.00 | 47.84 -1.07 0.00 | 38.43 -0.96 0.00 | 37.22 -0.88 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 40.09 1.34 0.00 | 40.70 1.18 0.00 | 40.44 1.01 0.00 | 40.27 0.83 0.00 | 40.12 0.76 0.00 | 38.83 0.50 0.00 | 48.26 0.86 0.00 | 57.61 1.71 0.00 | 46.52 1.19 -0.63 | 40.56 1.12 -1.67 | 34.55 1.14 -2.85 | 28.60 0.90 -3.03 | 14.13 0.48 -0.13 | 22.69 0.78 0.00 | 18.59 0.67 0.00 | 25.01 0.72 -5.26 | 37.83 0.27 -31.00 | 44.45 1.16 -12.84 | 48.50 1.60 -4.09 | 58.06 2.08 0.00 | 64.18 1.97 0.00 | 50.35 1.44 0.00 | 40.87 1.47 0.00 | 39.57 1.47 0.00 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |
| GRISSOM___SOLAR 323813 | 40.60 1.85 0.00 | 41.32 1.79 0.00 | 41.22 1.78 0.00 | 41.26 1.82 0.00 | 41.20 1.83 0.00 | 40.17 1.84 0.00 | 49.86 2.45 0.00 | 58.98 3.08 0.00 | 46.63 1.93 0.00 | 38.85 1.08 0.00 | 31.76 0.87 -0.32 | 25.46 0.52 -0.27 | 13.67 0.15 0.00 | 22.14 0.23 0.00 | 18.08 0.16 0.00 | 20.06 -0.05 -1.07 | 12.88 0.00 -6.33 | 33.98 0.96 -2.57 | 45.71 2.07 -0.84 | 58.99 3.01 0.00 | 65.54 3.33 0.00 | 51.48 2.56 0.00 | 41.35 1.96 0.00 | 39.91 1.81 0.00 |
| GROVEVILLE___HYD 323602 | 40.09 1.34 0.00 | 40.74 1.22 0.00 | 40.54 1.10 0.00 | 40.43 0.99 0.00 | 40.37 1.01 0.00 | 39.37 1.04 0.00 | 49.13 1.73 0.00 | 58.58 2.68 0.00 | 46.81 2.11 0.00 | 39.52 1.75 0.00 | 31.99 1.43 0.00 | 25.84 1.17 0.00 | 14.14 0.62 0.00 | 22.88 0.97 0.00 | 18.71 0.79 0.00 | 19.89 0.86 0.00 | 6.85 0.29 0.00 | 31.80 1.35 0.00 | 44.70 1.89 0.00 | 58.64 2.65 0.00 | 65.11 2.90 0.00 | 51.13 2.21 0.00 | 41.18 1.79 0.00 | 39.75 1.65 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 37.85 -0.90 0.00 | 38.62 -0.91 0.00 | 38.56 -0.88 0.00 | 38.59 -0.85 0.00 | 38.54 -0.83 0.00 | 37.57 -0.76 0.00 | 46.52 -0.89 0.00 | 54.85 -1.05 0.00 | 43.75 -0.95 0.00 | 36.84 -0.92 0.00 | 29.78 -0.79 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.34 -0.58 0.00 | 17.43 -0.49 0.00 | 18.50 -0.54 0.00 | 6.37 -0.19 0.00 | 29.65 -0.80 0.00 | 41.81 -0.99 0.00 | 54.70 -1.28 0.00 | 60.72 -1.48 0.00 | 47.67 -1.24 0.00 | 38.38 -1.02 0.00 | 37.17 -0.92 0.00 |

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| HAMLTNNY_34_KV_TB 80303 | 37.90 -0.85 0.00 | 38.67 -0.85 0.00 | 38.61 -0.83 0.00 | 38.64 -0.80 0.00 | 38.59 -0.78 0.00 | 37.64 -0.69 0.00 | 46.63 -0.78 0.00 | 54.96 -0.94 0.00 | 43.81 -0.89 0.00 | 36.85 -0.92 0.00 | 29.73 -0.84 0.00 | 23.96 -0.71 0.00 | 13.14 -0.38 0.00 | 21.30 -0.62 0.00 | 17.40 -0.52 0.00 | 18.48 -0.55 0.00 | 6.36 -0.20 0.00 | 29.63 -0.81 0.00 | 41.86 -0.95 0.00 | 54.78 -1.20 0.00 | 60.81 -1.40 0.00 | 47.73 -1.18 0.00 | 38.41 -0.99 0.00 | 37.21 -0.88 0.00 |
| HAMPSHIRE___PAPER_HYD 323593 | 39.31 0.56 0.00 | 39.93 0.41 0.00 | 40.14 0.70 0.00 | 40.29 0.85 0.00 | 40.08 0.72 0.00 | 38.88 0.55 0.00 | 48.20 0.79 0.00 | 56.61 0.71 0.00 | 45.23 0.52 0.00 | 37.88 0.11 0.00 | 30.51 -0.06 0.00 | 24.48 -0.18 0.00 | 13.36 -0.16 0.00 | 21.65 -0.26 0.00 | 17.71 -0.21 0.00 | 18.92 -0.12 0.00 | 6.62 0.06 0.00 | 30.91 0.46 0.00 | 43.69 0.88 0.00 | 57.27 1.29 0.00 | 63.61 1.40 0.00 | 49.80 0.89 0.00 | 39.95 0.56 0.00 | 38.25 0.16 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 38.42 -0.33 0.00 | 39.06 -0.46 0.00 | 38.96 -0.48 0.00 | 38.95 -0.49 0.00 | 38.94 -0.42 0.00 | 38.00 -0.33 0.00 | 47.24 -0.16 0.00 | 55.90 0.00 0.00 | 44.54 -0.17 0.00 | 37.39 -0.38 0.00 | 30.20 -0.37 0.00 | 24.22 -0.44 0.00 | 13.20 -0.32 0.00 | 21.38 -0.53 0.00 | 17.47 -0.45 0.00 | 18.53 -0.51 0.00 | 6.41 -0.15 0.00 | 30.15 -0.30 0.00 | 42.79 -0.02 0.00 | 56.38 0.40 0.00 | 62.45 0.24 0.00 | 49.05 0.13 0.00 | 39.49 0.09 0.00 | 38.19 0.09 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 39.70 0.95 0.00 | 40.36 0.84 0.00 | 40.19 0.75 0.00 | 40.07 0.63 0.00 | 40.01 0.65 0.00 | 39.00 0.67 0.00 | 48.65 1.24 0.00 | 57.83 1.93 0.00 | 46.21 1.51 0.00 | 39.05 1.28 0.00 | 28.79 1.03 2.81 | 23.09 0.87 2.44 | 13.99 0.46 0.00 | 22.64 0.73 0.00 | 18.52 0.60 0.00 | 10.12 0.63 9.55 | -49.53 0.22 56.30 | 8.54 0.95 22.86 | 36.74 1.37 7.44 | 58.00 2.02 0.00 | 64.44 2.24 0.00 | 50.59 1.67 0.00 | 40.74 1.35 0.00 | 39.32 1.22 0.00 |
| HARSNRAD_115KV_TB1 81005 | 36.05 -2.70 0.00 | 36.98 -2.54 0.00 | 36.97 -2.47 0.00 | 37.27 -2.17 0.00 | 37.27 -2.10 0.00 | 36.50 -1.83 0.00 | 44.63 -2.78 0.00 | 51.82 -4.08 0.00 | 41.66 -3.05 0.00 | 35.24 -2.53 0.00 | 28.34 -2.23 0.00 | 22.89 -1.77 0.00 | 12.74 -0.78 0.00 | 20.49 -1.42 0.00 | 16.74 -1.18 0.00 | 17.84 -1.19 0.00 | 6.03 -0.52 0.00 | 28.05 -2.40 0.00 | 39.59 -3.22 0.00 | 51.22 -4.76 0.00 | 56.88 -5.32 0.00 | 44.84 -4.07 0.00 | 36.35 -3.04 0.00 | 35.63 -2.47 0.00 |
| HARZA MOOSE___RIVER 24016 | 39.43 0.68 0.00 | 39.96 0.44 0.00 | 40.11 0.67 0.00 | 40.23 0.79 0.00 | 40.02 0.66 0.00 | 38.84 0.51 0.00 | 48.35 0.94 0.00 | 57.04 1.14 0.00 | 45.53 0.83 0.00 | 38.12 0.35 0.00 | 30.70 0.13 0.00 | 24.61 -0.05 0.00 | 13.44 -0.08 0.00 | 21.78 -0.13 0.00 | 17.81 -0.10 0.00 | 19.01 -0.03 0.00 | 6.63 0.07 0.00 | 31.08 0.63 0.00 | 44.06 1.25 0.00 | 57.86 1.88 0.00 | 64.15 1.94 0.00 | 50.07 1.15 0.00 | 40.15 0.76 0.00 | 38.48 0.39 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 37.59 -1.16 0.00 | 38.35 -1.17 0.00 | 38.29 -1.15 0.00 | 38.33 -1.11 0.00 | 38.27 -1.10 0.00 | 37.30 -1.03 0.00 | 46.15 -1.26 0.00 | 54.44 -1.47 0.00 | 43.45 -1.26 0.00 | 36.61 -1.15 0.00 | 29.62 -0.95 0.00 | 23.89 -0.77 0.00 | 13.11 -0.42 0.00 | 21.24 -0.68 0.00 | 17.34 -0.57 0.00 | 18.40 -0.63 0.00 | 6.32 -0.23 0.00 | 29.42 -1.03 0.00 | 41.46 -1.35 0.00 | 54.23 -1.75 0.00 | 60.21 -2.00 0.00 | 47.28 -1.64 0.00 | 38.10 -1.29 0.00 | 36.92 -1.18 0.00 |
| HELLGATE_13_KV_LD 55870 | 40.07 1.33 0.00 | 40.63 1.10 0.00 | 40.47 1.03 0.00 | 40.35 0.91 0.00 | 40.33 0.97 0.00 | 39.28 0.95 0.00 | 48.97 1.56 0.00 | 58.46 2.55 0.00 | 46.86 2.16 0.00 | 39.71 1.94 0.00 | 33.75 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.91 0.99 0.00 | 25.31 1.04 -5.24 | 37.77 0.33 -30.87 | 44.37 1.38 -12.54 | 48.79 1.91 -4.08 | 58.41 2.43 0.00 | 64.90 2.70 0.00 | 50.99 2.08 0.00 | 41.19 1.80 0.00 | 40.24 1.76 -0.38 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 40.07 1.33 0.00 | 40.63 1.10 0.00 | 40.47 1.03 0.00 | 40.35 0.91 0.00 | 40.33 0.97 0.00 | 39.28 0.95 0.00 | 48.97 1.56 0.00 | 58.46 2.55 0.00 | 46.86 2.16 0.00 | 39.71 1.94 0.00 | 33.75 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.91 0.99 0.00 | 25.31 1.04 -5.24 | 37.77 0.33 -30.87 | 44.37 1.38 -12.54 | 48.79 1.91 -4.08 | 58.41 2.43 0.00 | 64.90 2.70 0.00 | 50.99 2.08 0.00 | 41.19 1.80 0.00 | 40.24 1.76 -0.38 |
| HEMPSTEAD____ 23647 | 40.07 1.32 0.00 | 40.66 1.14 0.00 | 40.40 0.97 0.00 | 40.25 0.81 0.00 | 40.17 0.81 0.00 | 38.98 0.65 0.00 | 48.56 1.16 0.00 | 57.95 2.05 0.00 | 46.25 1.54 0.00 | 39.18 1.41 0.00 | 33.39 1.27 -1.55 | 27.04 1.03 -1.35 | 14.08 0.56 0.00 | 22.77 0.85 0.00 | 18.65 0.73 0.00 | 25.06 0.77 -5.26 | 37.85 0.29 -31.00 | 44.29 1.25 -12.59 | 48.63 1.73 -4.09 | 58.30 2.31 0.00 | 64.55 2.35 0.00 | 50.67 1.76 0.00 | 41.02 1.62 0.00 | 39.65 1.55 0.00 |
| HEWLETT_69_KV_BK3 55828 | 40.44 1.69 0.00 | 41.00 1.47 0.00 | 40.75 1.32 0.00 | 40.61 1.17 0.00 | 40.52 1.16 0.00 | 39.38 1.05 0.00 | 49.07 1.66 0.00 | 58.48 2.58 0.00 | 46.68 1.97 0.00 | 39.46 1.69 0.00 | 33.61 1.50 -1.55 | 27.23 1.22 -1.35 | 14.19 0.66 0.00 | 22.95 1.04 0.00 | 18.83 0.92 0.00 | 25.27 0.98 -5.26 | 37.91 0.35 -31.00 | 44.56 1.53 -12.59 | 49.00 2.10 -4.09 | 58.81 2.82 0.00 | 65.15 2.95 0.00 | 51.11 2.20 0.00 | 41.39 2.00 0.00 | 39.98 1.88 0.00 |
| HICKLING___1 23621 | 37.33 -1.42 0.00 | 38.07 -1.45 0.00 | 38.00 -1.44 0.00 | 38.10 -1.34 0.00 | 38.08 -1.29 0.00 | 37.25 -1.08 0.00 | 46.19 -1.22 0.00 | 54.45 -1.45 0.00 | 43.33 -1.37 0.00 | 36.56 -1.21 0.00 | 29.51 -1.06 0.00 | 23.80 -0.86 0.00 | 13.20 -0.32 0.00 | 21.33 -0.58 0.00 | 17.41 -0.51 0.00 | 18.48 -0.55 0.00 | 6.25 -0.31 0.00 | 29.53 -0.92 0.00 | 41.98 -0.83 0.00 | 54.96 -1.02 0.00 | 60.95 -1.25 0.00 | 47.73 -1.18 0.00 | 38.32 -1.07 0.00 | 37.13 -0.97 0.00 |
| HICKLING___2 23622 | 37.33 -1.42 0.00 | 38.07 -1.45 0.00 | 38.00 -1.44 0.00 | 38.10 -1.34 0.00 | 38.08 -1.29 0.00 | 37.25 -1.08 0.00 | 46.19 -1.22 0.00 | 54.45 -1.45 0.00 | 43.33 -1.37 0.00 | 36.56 -1.21 0.00 | 29.51 -1.06 0.00 | 23.80 -0.86 0.00 | 13.20 -0.32 0.00 | 21.33 -0.58 0.00 | 17.41 -0.51 0.00 | 18.48 -0.55 0.00 | 6.25 -0.31 0.00 | 29.53 -0.92 0.00 | 41.98 -0.83 0.00 | 54.96 -1.02 0.00 | 60.95 -1.25 0.00 | 47.73 -1.18 0.00 | 38.32 -1.07 0.00 | 37.13 -0.97 0.00 |
| HIGH FALLS___HY 23754 | 40.17 1.43 0.00 | 40.74 1.22 0.00 | 40.54 1.10 0.00 | 40.42 0.98 0.00 | 40.37 1.01 0.00 | 39.38 1.05 0.00 | 49.18 1.78 0.00 | 58.53 2.63 0.00 | 46.77 2.06 0.00 | 39.46 1.70 0.00 | 31.60 1.28 0.25 | 25.42 0.97 0.21 | 14.07 0.55 0.00 | 22.96 1.05 0.00 | 18.60 0.68 0.00 | 18.87 0.67 0.84 | 1.87 0.23 4.92 | 29.56 1.11 2.00 | 43.86 1.70 0.65 | 58.49 2.50 0.00 | 65.00 2.80 0.00 | 51.02 2.10 0.00 | 41.08 1.69 0.00 | 39.64 1.55 0.00 |
| HIGH_RIVER___SOLAR 323847 | 39.92 1.17 0.00 | 40.67 1.14 0.00 | 40.54 1.10 0.00 | 40.55 1.10 0.00 | 40.49 1.13 0.00 | 39.45 1.12 0.00 | 48.95 1.55 0.00 | 57.86 1.95 0.00 | 45.96 1.25 0.00 | 38.52 0.75 0.00 | 31.39 0.46 -0.35 | 25.17 0.20 -0.31 | 13.53 0.01 0.00 | 21.94 0.03 0.00 | 17.93 0.01 0.00 | 20.26 0.02 -1.21 | 13.71 0.03 -7.12 | 33.94 0.61 -2.89 | 45.03 1.28 -0.94 | 57.90 1.91 0.00 | 64.30 2.10 0.00 | 50.54 1.62 0.00 | 40.65 1.26 0.00 | 39.29 1.20 0.00 |

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| HILLBURN___GT 23639 | 39.54 0.80 0.00 | 40.20 0.68 0.00 | 40.04 0.60 0.00 | 39.90 0.46 0.00 | 39.87 0.50 0.00 | 38.83 0.49 0.00 | 48.43 1.02 0.00 | 57.67 1.76 0.00 | 46.09 1.39 0.00 | 39.00 1.23 0.00 | 28.59 1.02 3.00 | 22.91 0.85 2.61 | 13.99 0.46 0.00 | 22.63 0.72 0.00 | 18.52 0.60 0.00 | 9.49 0.63 10.18 | -53.28 0.21 60.04 | 6.92 0.86 24.38 | 36.08 1.20 7.93 | 57.75 1.77 0.00 | 64.21 2.00 0.00 | 50.39 1.48 0.00 | 40.60 1.20 0.00 | 39.17 1.08 0.00 |
| HILLSIDE_115KV_TB1 80332 | 37.13 -1.62 0.00 | 37.84 -1.69 0.00 | 37.72 -1.71 0.00 | 37.76 -1.68 0.00 | 37.75 -1.62 0.00 | 36.93 -1.40 0.00 | 45.77 -1.63 0.00 | 53.99 -1.92 0.00 | 42.97 -1.74 0.00 | 36.31 -1.46 0.00 | 29.30 -1.27 0.00 | 23.64 -1.02 0.00 | 13.11 -0.41 0.00 | 21.19 -0.72 0.00 | 17.30 -0.61 0.00 | 18.37 -0.67 0.00 | 6.19 -0.36 0.00 | 29.22 -1.22 0.00 | 41.45 -1.36 0.00 | 54.31 -1.68 0.00 | 60.26 -1.94 0.00 | 47.16 -1.75 0.00 | 37.85 -1.54 0.00 | 36.68 -1.41 0.00 |
| HISHELDN_WT_PWR 323625 | 35.59 -3.16 0.00 | 36.60 -2.92 0.00 | 36.65 -2.79 0.00 | 36.89 -2.55 0.00 | 36.78 -2.59 0.00 | 35.96 -2.37 0.00 | 44.19 -3.21 0.00 | 51.75 -4.15 0.00 | 41.45 -3.25 0.00 | 35.08 -2.69 0.00 | 28.36 -2.21 0.00 | 22.87 -1.79 0.00 | 12.72 -0.80 0.00 | 20.54 -1.38 0.00 | 16.77 -1.15 0.00 | 17.84 -1.19 0.00 | 6.03 -0.52 0.00 | 28.34 -2.11 0.00 | 40.30 -2.51 0.00 | 52.41 -3.57 0.00 | 58.17 -4.04 0.00 | 45.77 -3.15 0.00 | 36.93 -2.47 0.00 | 35.98 -2.11 0.00 |
| HOLTSVILLE_IC_1 23690 | 40.10 1.35 0.00 | 40.68 1.15 0.00 | 40.42 0.99 0.00 | 40.22 0.78 0.00 | 40.10 0.74 0.00 | 38.58 0.25 0.00 | 48.09 0.69 0.00 | 57.40 1.50 0.00 | 40.79 0.93 4.84 | 25.74 0.96 12.98 | 22.98 0.95 8.54 | 13.69 0.79 11.76 | 12.93 0.41 1.00 | 22.53 0.62 0.00 | 18.43 0.52 0.01 | 24.87 0.58 -5.26 | 37.80 0.24 -31.00 | 42.01 0.97 -10.60 | 48.37 1.47 -4.09 | 58.03 2.05 0.00 | 64.03 1.83 0.00 | 50.51 1.59 0.00 | 41.01 1.62 0.00 | 39.61 1.51 0.00 |
| HOLTSVILLE_IC_10 23699 | 40.24 1.49 0.00 | 40.81 1.28 0.00 | 40.55 1.11 0.00 | 40.35 0.91 0.00 | 40.23 0.87 0.00 | 38.70 0.37 0.00 | 48.28 0.88 0.00 | 57.64 1.73 0.00 | 41.13 1.09 4.67 | 26.32 1.07 12.51 | 23.41 1.01 8.18 | 14.22 0.84 11.28 | 12.99 0.43 0.96 | 22.57 0.66 0.00 | 18.46 0.55 0.01 | 24.91 0.62 -5.26 | 37.83 0.27 -31.00 | 42.21 1.10 -10.67 | 48.60 1.70 -4.09 | 58.35 2.37 0.00 | 64.34 2.14 0.00 | 50.72 1.81 0.00 | 41.16 1.76 0.00 | 39.73 1.63 0.00 |
| HOLTSVILLE_IC_2 23691 | 40.10 1.35 0.00 | 40.68 1.15 0.00 | 40.42 0.99 0.00 | 40.22 0.78 0.00 | 40.10 0.74 0.00 | 38.58 0.25 0.00 | 48.09 0.69 0.00 | 57.40 1.50 0.00 | 40.79 0.93 4.84 | 25.74 0.96 12.98 | 22.98 0.95 8.54 | 13.69 0.79 11.76 | 12.93 0.41 1.00 | 22.53 0.62 0.00 | 18.43 0.52 0.01 | 24.87 0.58 -5.26 | 37.80 0.24 -31.00 | 42.01 0.97 -10.60 | 48.37 1.47 -4.09 | 58.03 2.05 0.00 | 64.03 1.83 0.00 | 50.51 1.59 0.00 | 41.01 1.62 0.00 | 39.61 1.51 0.00 |
| HOLTSVILLE_IC_3 23692 | 40.10 1.35 0.00 | 40.68 1.15 0.00 | 40.42 0.99 0.00 | 40.22 0.78 0.00 | 40.10 0.74 0.00 | 38.58 0.25 0.00 | 48.09 0.69 0.00 | 57.40 1.50 0.00 | 40.79 0.93 4.84 | 25.74 0.96 12.98 | 22.98 0.95 8.54 | 13.69 0.79 11.76 | 12.93 0.41 1.00 | 22.53 0.62 0.00 | 18.43 0.52 0.01 | 24.87 0.58 -5.26 | 37.80 0.24 -31.00 | 42.01 0.97 -10.60 | 48.37 1.47 -4.09 | 58.03 2.05 0.00 | 64.03 1.83 0.00 | 50.51 1.59 0.00 | 41.01 1.62 0.00 | 39.61 1.51 0.00 |
| HOLTSVILLE_IC_4 23693 | 40.10 1.35 0.00 | 40.68 1.15 0.00 | 40.42 0.99 0.00 | 40.22 0.78 0.00 | 40.10 0.74 0.00 | 38.58 0.25 0.00 | 48.09 0.69 0.00 | 57.40 1.50 0.00 | 40.79 0.93 4.84 | 25.74 0.96 12.98 | 22.98 0.95 8.54 | 13.69 0.79 11.76 | 12.93 0.41 1.00 | 22.53 0.62 0.00 | 18.43 0.52 0.01 | 24.87 0.58 -5.26 | 37.80 0.24 -31.00 | 42.01 0.97 -10.60 | 48.37 1.47 -4.09 | 58.03 2.05 0.00 | 64.03 1.83 0.00 | 50.51 1.59 0.00 | 41.01 1.62 0.00 | 39.61 1.51 0.00 |
| HOLTSVILLE_IC_5 23694 | 40.10 1.35 0.00 | 40.68 1.15 0.00 | 40.42 0.99 0.00 | 40.22 0.78 0.00 | 40.10 0.74 0.00 | 38.58 0.25 0.00 | 48.09 0.69 0.00 | 57.40 1.50 0.00 | 40.79 0.93 4.84 | 25.74 0.96 12.98 | 22.98 0.95 8.54 | 13.69 0.79 11.76 | 12.93 0.41 1.00 | 22.53 0.62 0.00 | 18.43 0.52 0.01 | 24.87 0.58 -5.26 | 37.80 0.24 -31.00 | 42.01 0.97 -10.60 | 48.37 1.47 -4.09 | 58.03 2.05 0.00 | 64.03 1.83 0.00 | 50.51 1.59 0.00 | 41.01 1.62 0.00 | 39.61 1.51 0.00 |
| HOLTSVILLE_IC_6 23695 | 40.24 1.49 0.00 | 40.81 1.28 0.00 | 40.55 1.11 0.00 | 40.35 0.91 0.00 | 40.23 0.87 0.00 | 38.70 0.37 0.00 | 48.28 0.88 0.00 | 57.64 1.73 0.00 | 41.13 1.09 4.67 | 26.32 1.07 12.51 | 23.41 1.01 8.18 | 14.22 0.84 11.28 | 12.99 0.43 0.96 | 22.57 0.66 0.00 | 18.46 0.55 0.01 | 24.91 0.62 -5.26 | 37.83 0.27 -31.00 | 42.21 1.10 -10.67 | 48.60 1.70 -4.09 | 58.35 2.37 0.00 | 64.34 2.14 0.00 | 50.72 1.81 0.00 | 41.16 1.76 0.00 | 39.73 1.63 0.00 |
| HOLTSVILLE_IC_7 23696 | 40.24 1.49 0.00 | 40.81 1.28 0.00 | 40.55 1.11 0.00 | 40.35 0.91 0.00 | 40.23 0.87 0.00 | 38.70 0.37 0.00 | 48.28 0.88 0.00 | 57.64 1.73 0.00 | 41.13 1.09 4.67 | 26.32 1.07 12.51 | 23.41 1.01 8.18 | 14.22 0.84 11.28 | 12.99 0.43 0.96 | 22.57 0.66 0.00 | 18.46 0.55 0.01 | 24.91 0.62 -5.26 | 37.83 0.27 -31.00 | 42.21 1.10 -10.67 | 48.60 1.70 -4.09 | 58.35 2.37 0.00 | 64.34 2.14 0.00 | 50.72 1.81 0.00 | 41.16 1.76 0.00 | 39.73 1.63 0.00 |
| HOLTSVILLE_IC_8 23697 | 40.24 1.49 0.00 | 40.81 1.28 0.00 | 40.55 1.11 0.00 | 40.35 0.91 0.00 | 40.23 0.87 0.00 | 38.70 0.37 0.00 | 48.28 0.88 0.00 | 57.64 1.73 0.00 | 41.13 1.09 4.67 | 26.32 1.07 12.51 | 23.41 1.01 8.18 | 14.22 0.84 11.28 | 12.99 0.43 0.96 | 22.57 0.66 0.00 | 18.46 0.55 0.01 | 24.91 0.62 -5.26 | 37.83 0.27 -31.00 | 42.21 1.10 -10.67 | 48.60 1.70 -4.09 | 58.35 2.37 0.00 | 64.34 2.14 0.00 | 50.72 1.81 0.00 | 41.16 1.76 0.00 | 39.73 1.63 0.00 |
| HOLTSVILLE_IC_9 23698 | 40.24 1.49 0.00 | 40.81 1.28 0.00 | 40.55 1.11 0.00 | 40.35 0.91 0.00 | 40.23 0.87 0.00 | 38.70 0.37 0.00 | 48.28 0.88 0.00 | 57.64 1.73 0.00 | 41.13 1.09 4.67 | 26.32 1.07 12.51 | 23.41 1.01 8.18 | 14.22 0.84 11.28 | 12.99 0.43 0.96 | 22.57 0.66 0.00 | 18.46 0.55 0.01 | 24.91 0.62 -5.26 | 37.83 0.27 -31.00 | 42.21 1.10 -10.67 | 48.60 1.70 -4.09 | 58.35 2.37 0.00 | 64.34 2.14 0.00 | 50.72 1.81 0.00 | 41.16 1.76 0.00 | 39.73 1.63 0.00 |
| HOMER_HL_115KV_TB2 355744 | 37.73 -1.02 0.00 | 38.68 -0.84 0.00 | 38.49 -0.95 0.00 | 38.67 -0.77 0.00 | 38.61 -0.76 0.00 | 37.48 -0.85 0.00 | 46.29 -1.12 0.00 | 54.57 -1.33 0.00 | 43.70 -1.00 0.00 | 37.11 -0.66 0.00 | 29.94 -0.63 0.00 | 24.22 -0.44 0.00 | 13.45 -0.07 0.00 | 21.69 -0.22 0.00 | 17.72 -0.19 0.00 | 18.82 -0.21 0.00 | 6.27 -0.28 0.00 | 29.36 -1.09 0.00 | 41.58 -1.23 0.00 | 54.27 -1.71 0.00 | 60.38 -1.83 0.00 | 47.28 -1.64 0.00 | 38.17 -1.22 0.00 | 37.08 -1.02 0.00 |
| HOWARD_WT_PWR 323690 | 35.82 -2.93 0.00 | 36.58 -2.94 0.00 | 36.38 -3.06 0.00 | 36.70 -2.74 0.00 | 36.82 -2.55 0.00 | 35.99 -2.35 0.00 | 44.70 -2.70 0.00 | 52.61 -3.29 0.00 | 41.98 -2.73 0.00 | 35.62 -2.15 0.00 | 28.90 -1.67 0.00 | 23.35 -1.31 0.00 | 13.01 -0.51 0.00 | 21.02 -0.90 0.00 | 17.16 -0.76 0.00 | 18.20 -0.84 0.00 | 6.16 -0.40 0.00 | 29.19 -1.26 0.00 | 41.76 -1.05 0.00 | 54.63 -1.35 0.00 | 60.57 -1.63 0.00 | 47.49 -1.42 0.00 | 38.05 -1.34 0.00 | 36.66 -1.44 0.00 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| HQ_GEN_CEDARS 23644 | 39.92 1.17 0.00 | 40.80 1.28 0.00 | 40.84 1.41 0.00 | 40.92 1.48 0.00 | 40.81 1.45 0.00 | 39.69 1.36 0.00 | 48.82 1.42 0.00 | 57.17 1.27 0.00 | 45.81 1.10 0.00 | 38.71 0.94 0.00 | 31.27 0.70 0.00 | 25.24 0.58 0.00 | 13.84 0.32 0.00 | 22.44 0.53 0.00 | 18.36 0.44 0.00 | 19.56 0.52 0.00 | 6.77 0.21 0.00 | 31.37 0.92 0.00 | 44.04 1.23 0.00 | 57.38 1.40 0.00 | 63.90 1.69 0.00 | 50.38 1.47 0.00 | 40.55 1.15 0.00 | 39.08 0.99 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 39.92 1.17 0.00 | 40.80 1.28 0.00 | 40.84 1.41 0.00 | 40.92 1.48 0.00 | 40.81 1.45 0.00 | 39.69 1.36 0.00 | 48.83 1.42 0.00 | 57.16 1.26 0.00 | 45.80 1.10 0.00 | 38.71 0.94 0.00 | 31.27 0.70 0.00 | 25.24 0.58 0.00 | 13.84 0.32 0.00 | 22.44 0.53 0.00 | 18.36 0.44 0.00 | 19.55 0.52 0.00 | 6.77 0.21 0.00 | 31.37 0.92 0.00 | 44.04 1.23 0.00 | 57.38 1.40 0.00 | 63.90 1.69 0.00 | 50.38 1.47 0.00 | 40.55 1.15 0.00 | 39.08 0.99 0.00 |
| HQ_GEN_IMPORT 323601 | 39.36 0.62 0.00 | 40.20 0.68 0.00 | 40.18 0.74 0.00 | 40.22 0.78 0.00 | 40.11 0.75 0.00 | 39.04 0.71 0.00 | 48.12 0.72 0.00 | 56.50 0.60 0.00 | 45.27 0.57 0.00 | 38.29 0.51 0.00 | 31.00 0.43 0.00 | 25.00 0.34 0.00 | 13.71 0.19 0.00 | 22.22 0.31 0.00 | 18.18 0.27 0.00 | 19.34 0.30 0.00 | 6.67 0.12 0.00 | 30.94 0.49 0.00 | 43.46 0.65 0.00 | 56.67 0.69 0.00 | 60.70 0.86 2.36 | 49.66 0.75 0.00 | 39.99 0.60 0.00 | 38.62 0.52 0.00 |
| HQ_GEN_WHEEL 23651 | 39.36 0.62 0.00 | 40.20 0.68 0.00 | 40.18 0.74 0.00 | 40.22 0.78 0.00 | 40.11 0.75 0.00 | 39.04 0.71 0.00 | 48.12 0.72 0.00 | 56.50 0.60 0.00 | 45.27 0.57 0.00 | 38.29 0.51 0.00 | 31.00 0.43 0.00 | 25.00 0.34 0.00 | 13.71 0.19 0.00 | 22.22 0.31 0.00 | 18.18 0.27 0.00 | 19.34 0.30 0.00 | 6.67 0.12 0.00 | 30.94 0.49 0.00 | 43.46 0.65 0.00 | 56.67 0.69 0.00 | 60.70 0.86 2.36 | 49.66 0.75 0.00 | 39.99 0.60 0.00 | 38.62 0.52 0.00 |
| HUDSON AVE_GT_3 23810 | 39.99 1.24 0.00 | 40.57 1.05 0.00 | 40.38 0.95 0.00 | 40.28 0.84 0.00 | 40.28 0.91 0.00 | 39.23 0.90 0.00 | 48.95 1.54 0.00 | 58.41 2.51 0.00 | 46.79 2.08 0.00 | 39.63 1.86 0.00 | 33.70 1.59 -1.54 | 27.33 1.32 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.86 0.95 0.00 | 25.27 1.00 -5.24 | 37.78 0.32 -30.90 | 44.37 1.37 -12.55 | 48.79 1.90 -4.08 | 58.43 2.45 0.00 | 64.89 2.68 0.00 | 50.95 2.04 0.00 | 41.13 1.74 0.00 | 39.77 1.67 0.00 |
| HUDSON AVE_GT_4 23540 | 39.99 1.24 0.00 | 40.57 1.05 0.00 | 40.38 0.95 0.00 | 40.28 0.84 0.00 | 40.28 0.91 0.00 | 39.23 0.90 0.00 | 48.95 1.54 0.00 | 58.41 2.51 0.00 | 46.79 2.08 0.00 | 39.63 1.86 0.00 | 33.70 1.59 -1.54 | 27.33 1.32 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.86 0.95 0.00 | 25.27 1.00 -5.24 | 37.78 0.32 -30.90 | 44.37 1.37 -12.55 | 48.79 1.90 -4.08 | 58.43 2.45 0.00 | 64.89 2.68 0.00 | 50.95 2.04 0.00 | 41.13 1.74 0.00 | 39.77 1.67 0.00 |
| HUDSON AVE_GT_5 23657 | 39.99 1.24 0.00 | 40.57 1.05 0.00 | 40.38 0.95 0.00 | 40.28 0.84 0.00 | 40.28 0.91 0.00 | 39.23 0.90 0.00 | 48.95 1.54 0.00 | 58.41 2.51 0.00 | 46.79 2.08 0.00 | 39.63 1.86 0.00 | 33.70 1.59 -1.54 | 27.33 1.32 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.86 0.95 0.00 | 25.27 1.00 -5.24 | 37.78 0.32 -30.90 | 44.37 1.37 -12.55 | 48.79 1.90 -4.08 | 58.43 2.45 0.00 | 64.89 2.68 0.00 | 50.95 2.04 0.00 | 41.13 1.74 0.00 | 39.77 1.67 0.00 |
| HUDSON_AVE_10 24168 | 39.87 1.12 0.00 | 40.43 0.91 0.00 | 40.24 0.81 0.00 | 40.16 0.72 0.00 | 40.20 0.83 0.00 | 39.12 0.79 0.00 | 48.76 1.36 0.00 | 58.19 2.29 0.00 | 46.62 1.91 0.00 | 39.49 1.72 0.00 | 33.59 1.48 -1.54 | 27.24 1.24 -1.34 | 14.21 0.69 0.00 | 22.98 1.07 0.00 | 18.80 0.88 0.00 | 25.20 0.93 -5.24 | 37.76 0.30 -30.90 | 44.23 1.24 -12.55 | 48.64 1.75 -4.08 | 58.25 2.26 0.00 | 64.71 2.50 0.00 | 50.81 1.90 0.00 | 41.03 1.63 0.00 | 39.70 1.61 0.00 |
| HUDSON___115KV_TB 4 355613 | 40.26 1.51 0.00 | 41.22 1.69 0.00 | 41.08 1.65 0.00 | 41.07 1.63 0.00 | 41.01 1.64 0.00 | 40.02 1.69 0.00 | 49.73 2.32 0.00 | 58.84 2.94 0.00 | 46.94 2.23 0.00 | 39.38 1.61 0.00 | 32.07 1.13 -0.37 | 25.88 0.89 -0.32 | 13.86 0.34 0.00 | 22.37 0.46 0.00 | 18.35 0.44 0.00 | 20.80 0.50 -1.26 | 14.17 0.21 -7.40 | 34.59 1.13 -3.01 | 45.63 1.85 -0.98 | 58.71 2.73 0.00 | 65.16 2.95 0.00 | 51.21 2.30 0.00 | 41.20 1.81 0.00 | 39.86 1.77 0.00 |
| HUNTER MOUNT___DRP 323613 | 40.42 1.67 0.00 | 41.45 1.92 0.00 | 41.35 1.91 0.00 | 41.34 1.90 0.00 | 41.28 1.91 0.00 | 40.29 1.96 0.00 | 50.09 2.69 0.00 | 59.26 3.36 0.00 | 47.27 2.56 0.00 | 39.60 1.83 0.00 | 32.17 1.30 -0.30 | 25.94 1.02 -0.26 | 13.85 0.33 0.00 | 22.31 0.39 0.00 | 18.32 0.40 0.00 | 20.57 0.51 -1.02 | 12.83 0.24 -6.04 | 34.23 1.33 -2.45 | 45.77 2.16 -0.80 | 59.11 3.13 0.00 | 65.57 3.36 0.00 | 51.52 2.61 0.00 | 41.44 2.05 0.00 | 40.08 1.99 0.00 |
| HUNTINGTON_RES_REC 323705 | 40.14 1.39 0.00 | 40.71 1.19 0.00 | 40.47 1.03 0.00 | 40.28 0.84 0.00 | 40.15 0.78 0.00 | 38.75 0.42 0.00 | 48.24 0.84 0.00 | 57.60 1.70 0.00 | 37.09 1.12 8.73 | 15.42 1.07 23.42 | 14.96 1.05 16.66 | 3.20 0.83 22.30 | 12.16 0.44 1.80 | 22.60 0.69 0.00 | 18.49 0.59 0.01 | 24.93 0.64 -5.26 | 37.82 0.26 -31.00 | 40.55 1.11 -8.99 | 48.54 1.64 -4.09 | 58.21 2.23 0.00 | 64.27 2.06 0.00 | 50.51 1.59 0.00 | 40.98 1.58 0.00 | 39.62 1.52 0.00 |
| HUNTLEY___63 23557 | 36.49 -2.25 0.00 | 37.44 -2.08 0.00 | 37.40 -2.03 0.00 | 37.70 -1.74 0.00 | 37.71 -1.66 0.00 | 36.94 -1.39 0.00 | 45.17 -2.24 0.00 | 52.53 -3.37 0.00 | 42.20 -2.50 0.00 | 35.76 -2.01 0.00 | 28.77 -1.80 0.00 | 23.24 -1.42 0.00 | 12.90 -0.62 0.00 | 20.80 -1.11 0.00 | 16.99 -0.93 0.00 | 18.11 -0.92 0.00 | 6.11 -0.45 0.00 | 28.46 -1.98 0.00 | 40.14 -2.67 0.00 | 51.88 -4.10 0.00 | 57.62 -4.59 0.00 | 45.40 -3.51 0.00 | 36.77 -2.62 0.00 | 35.99 -2.10 0.00 |
| HUNTLEY___64 23558 | 36.49 -2.25 0.00 | 37.44 -2.08 0.00 | 37.40 -2.03 0.00 | 37.70 -1.74 0.00 | 37.71 -1.66 0.00 | 36.94 -1.39 0.00 | 45.17 -2.24 0.00 | 52.53 -3.37 0.00 | 42.20 -2.50 0.00 | 35.76 -2.01 0.00 | 28.77 -1.80 0.00 | 23.24 -1.42 0.00 | 12.90 -0.62 0.00 | 20.80 -1.11 0.00 | 16.99 -0.93 0.00 | 18.11 -0.92 0.00 | 6.11 -0.45 0.00 | 28.46 -1.98 0.00 | 40.14 -2.67 0.00 | 51.88 -4.10 0.00 | 57.62 -4.59 0.00 | 45.40 -3.51 0.00 | 36.77 -2.62 0.00 | 35.99 -2.10 0.00 |
| HUNTLEY___65 23559 | 36.49 -2.25 0.00 | 37.44 -2.08 0.00 | 37.40 -2.03 0.00 | 37.70 -1.74 0.00 | 37.71 -1.66 0.00 | 36.94 -1.39 0.00 | 45.17 -2.24 0.00 | 52.53 -3.37 0.00 | 42.20 -2.50 0.00 | 35.76 -2.01 0.00 | 28.77 -1.80 0.00 | 23.24 -1.42 0.00 | 12.90 -0.62 0.00 | 20.80 -1.11 0.00 | 16.99 -0.93 0.00 | 18.11 -0.92 0.00 | 6.11 -0.45 0.00 | 28.46 -1.98 0.00 | 40.14 -2.67 0.00 | 51.88 -4.10 0.00 | 57.62 -4.59 0.00 | 45.40 -3.51 0.00 | 36.77 -2.62 0.00 | 35.99 -2.10 0.00 |
| HUNTLEY___66 23560 | 36.49 -2.25 0.00 | 37.44 -2.08 0.00 | 37.40 -2.03 0.00 | 37.70 -1.74 0.00 | 37.71 -1.66 0.00 | 36.94 -1.39 0.00 | 45.17 -2.24 0.00 | 52.53 -3.37 0.00 | 42.20 -2.50 0.00 | 35.76 -2.01 0.00 | 28.77 -1.80 0.00 | 23.24 -1.42 0.00 | 12.90 -0.62 0.00 | 20.80 -1.11 0.00 | 16.99 -0.93 0.00 | 18.11 -0.92 0.00 | 6.11 -0.45 0.00 | 28.46 -1.98 0.00 | 40.14 -2.67 0.00 | 51.88 -4.10 0.00 | 57.62 -4.59 0.00 | 45.40 -3.51 0.00 | 36.77 -2.62 0.00 | 35.99 -2.10 0.00 |

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| HUNTLEY___67 23561 | 36.38 -2.36 0.00 | 37.33 -2.19 0.00 | 37.30 -2.14 0.00 | 37.58 -1.86 0.00 | 37.61 -1.76 0.00 | 36.82 -1.51 0.00 | 45.03 -2.38 0.00 | 52.37 -3.53 0.00 | 42.07 -2.63 0.00 | 35.67 -2.10 0.00 | 28.71 -1.86 0.00 | 23.21 -1.45 0.00 | 12.87 -0.65 0.00 | 20.78 -1.13 0.00 | 16.97 -0.95 0.00 | 18.09 -0.94 0.00 | 6.11 -0.45 0.00 | 28.41 -2.03 0.00 | 40.04 -2.77 0.00 | 51.76 -4.23 0.00 | 57.49 -4.71 0.00 | 45.29 -3.62 0.00 | 36.64 -2.75 0.00 | 35.84 -2.26 0.00 |
| HUNTLEY___68 23562 | 36.38 -2.36 0.00 | 37.33 -2.19 0.00 | 37.30 -2.14 0.00 | 37.58 -1.86 0.00 | 37.61 -1.76 0.00 | 36.82 -1.51 0.00 | 45.03 -2.38 0.00 | 52.37 -3.53 0.00 | 42.07 -2.63 0.00 | 35.67 -2.10 0.00 | 28.71 -1.86 0.00 | 23.21 -1.45 0.00 | 12.87 -0.65 0.00 | 20.78 -1.13 0.00 | 16.97 -0.95 0.00 | 18.09 -0.94 0.00 | 6.11 -0.45 0.00 | 28.41 -2.03 0.00 | 40.04 -2.77 0.00 | 51.76 -4.23 0.00 | 57.49 -4.71 0.00 | 45.29 -3.62 0.00 | 36.64 -2.75 0.00 | 35.84 -2.26 0.00 |
| HYLAND___LFGE 323620 | 38.21 -0.54 0.00 | 39.05 -0.48 0.00 | 39.01 -0.43 0.00 | 39.25 -0.19 0.00 | 39.30 -0.07 0.00 | 38.53 0.20 0.00 | 47.80 0.39 0.00 | 56.20 0.30 0.00 | 44.57 -0.13 0.00 | 36.42 -1.35 0.00 | 29.29 -1.28 0.00 | 23.57 -1.09 0.00 | 13.02 -0.51 0.00 | 21.06 -0.85 0.00 | 17.19 -0.72 0.00 | 18.27 -0.77 0.00 | 6.24 -0.32 0.00 | 29.26 -1.19 0.00 | 41.88 -0.93 0.00 | 56.03 0.04 0.00 | 62.52 0.31 0.00 | 49.08 0.16 0.00 | 39.37 -0.03 0.00 | 38.11 0.02 0.00 |
| INDECK___CORINTH 23802 | 39.83 1.08 0.00 | 40.50 0.98 0.00 | 40.52 1.08 0.00 | 40.51 1.07 0.00 | 40.51 1.15 0.00 | 39.58 1.25 0.00 | 49.19 1.79 0.00 | 58.18 2.28 0.00 | 46.32 1.62 0.00 | 38.98 1.21 0.00 | 31.55 0.58 -0.40 | 25.42 0.41 -0.35 | 13.64 0.11 0.00 | 22.05 0.14 0.00 | 18.08 0.16 0.00 | 20.59 0.19 -1.37 | 14.70 0.10 -8.05 | 34.44 0.73 -3.27 | 44.96 1.09 -1.06 | 57.83 1.85 0.00 | 64.09 1.89 0.00 | 50.30 1.38 0.00 | 40.56 1.16 0.00 | 39.31 1.21 0.00 |
| INDECK___ILION 23567 | 38.73 -0.02 0.00 | 39.44 -0.09 0.00 | 39.31 -0.13 0.00 | 39.29 -0.16 0.00 | 39.25 -0.12 0.00 | 38.27 -0.06 0.00 | 47.51 0.10 0.00 | 56.18 0.28 0.00 | 44.81 0.11 0.00 | 37.71 -0.06 0.00 | 30.48 -0.09 0.00 | 24.51 -0.15 0.00 | 13.40 -0.13 0.00 | 21.70 -0.21 0.00 | 17.74 -0.18 0.00 | 18.83 -0.21 0.00 | 6.50 -0.06 0.00 | 30.41 -0.04 0.00 | 42.98 0.17 0.00 | 56.44 0.46 0.00 | 62.59 0.39 0.00 | 49.16 0.25 0.00 | 39.57 0.17 0.00 | 38.26 0.16 0.00 |
| INDECK___OLEAN 23982 | 37.73 -1.02 0.00 | 38.68 -0.84 0.00 | 38.49 -0.95 0.00 | 38.67 -0.78 0.00 | 38.60 -0.77 0.00 | 37.48 -0.85 0.00 | 46.29 -1.12 0.00 | 54.57 -1.33 0.00 | 43.71 -1.00 0.00 | 37.09 -0.68 0.00 | 29.94 -0.63 0.00 | 24.21 -0.45 0.00 | 13.45 -0.07 0.00 | 21.69 -0.22 0.00 | 17.72 -0.19 0.00 | 18.82 -0.21 0.00 | 6.27 -0.28 0.00 | 29.37 -1.08 0.00 | 41.58 -1.23 0.00 | 54.27 -1.71 0.00 | 60.38 -1.82 0.00 | 47.27 -1.64 0.00 | 38.16 -1.23 0.00 | 37.09 -1.01 0.00 |
| INDECK___OSWEGO 23783 | 37.27 -1.47 0.00 | 38.02 -1.50 0.00 | 37.99 -1.45 0.00 | 38.01 -1.43 0.00 | 37.92 -1.45 0.00 | 36.92 -1.41 0.00 | 45.65 -1.75 0.00 | 53.85 -2.05 0.00 | 42.99 -1.72 0.00 | 36.23 -1.54 0.00 | 29.34 -1.23 0.00 | 23.66 -1.00 0.00 | 12.96 -0.56 0.00 | 20.99 -0.92 0.00 | 17.16 -0.76 0.00 | 18.22 -0.81 0.00 | 6.28 -0.28 0.00 | 29.20 -1.24 0.00 | 41.13 -1.68 0.00 | 53.85 -2.13 0.00 | 59.76 -2.44 0.00 | 46.93 -1.99 0.00 | 37.77 -1.62 0.00 | 36.56 -1.54 0.00 |
| INDECK___YERKES 23781 | 36.53 -2.21 0.00 | 37.48 -2.05 0.00 | 37.44 -1.99 0.00 | 37.74 -1.71 0.00 | 37.73 -1.64 0.00 | 36.97 -1.36 0.00 | 45.22 -2.19 0.00 | 52.59 -3.32 0.00 | 42.25 -2.46 0.00 | 35.78 -1.99 0.00 | 28.80 -1.77 0.00 | 23.27 -1.39 0.00 | 12.91 -0.61 0.00 | 20.83 -1.09 0.00 | 17.01 -0.91 0.00 | 18.13 -0.90 0.00 | 6.12 -0.43 0.00 | 28.52 -1.92 0.00 | 40.20 -2.61 0.00 | 51.94 -4.04 0.00 | 57.68 -4.52 0.00 | 45.44 -3.47 0.00 | 36.82 -2.57 0.00 | 36.02 -2.07 0.00 |
| INDIAN POINT_GT_1 24139 | 39.60 0.86 0.00 | 40.25 0.73 0.00 | 40.07 0.63 0.00 | 39.95 0.51 0.00 | 39.90 0.53 0.00 | 38.87 0.54 0.00 | 48.47 1.06 0.00 | 57.71 1.81 0.00 | 46.15 1.44 0.00 | 39.05 1.28 0.00 | 41.18 1.07 -9.54 | 33.85 0.89 -8.30 | 14.01 0.49 0.00 | 22.66 0.75 0.00 | 18.55 0.63 0.00 | 52.10 0.66 -32.40 | 197.83 0.22 -191.06 | 108.95 0.92 -77.58 | 69.31 1.27 -25.24 | 57.78 1.80 0.00 | 64.20 1.99 0.00 | 50.40 1.48 0.00 | 40.63 1.24 0.00 | 39.24 1.15 0.00 |
| INDIAN POINT_GT_2 23659 | 39.60 0.86 0.00 | 40.25 0.73 0.00 | 40.07 0.63 0.00 | 39.95 0.51 0.00 | 39.90 0.53 0.00 | 38.87 0.54 0.00 | 48.47 1.06 0.00 | 57.71 1.81 0.00 | 46.15 1.44 0.00 | 39.05 1.28 0.00 | 41.18 1.07 -9.54 | 33.85 0.89 -8.30 | 14.01 0.49 0.00 | 22.66 0.75 0.00 | 18.55 0.63 0.00 | 52.10 0.66 -32.40 | 197.83 0.22 -191.06 | 108.95 0.92 -77.58 | 69.31 1.27 -25.24 | 57.78 1.80 0.00 | 64.20 1.99 0.00 | 50.40 1.48 0.00 | 40.63 1.24 0.00 | 39.24 1.15 0.00 |
| INDIAN POINT_GT_3 24019 | 39.60 0.86 0.00 | 40.25 0.73 0.00 | 40.07 0.63 0.00 | 39.95 0.51 0.00 | 39.90 0.53 0.00 | 38.87 0.54 0.00 | 48.47 1.06 0.00 | 57.71 1.81 0.00 | 46.15 1.44 0.00 | 39.05 1.28 0.00 | 41.18 1.07 -9.54 | 33.85 0.89 -8.30 | 14.01 0.49 0.00 | 22.66 0.75 0.00 | 18.55 0.63 0.00 | 52.10 0.66 -32.40 | 197.83 0.22 -191.06 | 108.95 0.92 -77.58 | 69.31 1.27 -25.24 | 57.78 1.80 0.00 | 64.20 1.99 0.00 | 50.40 1.48 0.00 | 40.63 1.24 0.00 | 39.24 1.15 0.00 |
| INDIAN POINT___2 23530 | 39.45 0.70 0.00 | 40.10 0.58 0.00 | 39.95 0.51 0.00 | 39.82 0.37 0.00 | 39.78 0.41 0.00 | 38.72 0.40 0.00 | 48.29 0.88 0.00 | 57.48 1.58 0.00 | 45.95 1.24 0.00 | 38.87 1.10 4.42 | 27.07 0.92 3.84 | 21.59 0.77 0.00 | 13.95 0.42 0.00 | 22.55 0.64 0.00 | 18.46 0.54 0.00 | 4.60 0.57 15.01 | -81.75 0.18 88.48 | -4.72 0.76 35.93 | 32.18 1.06 11.69 | 57.56 1.58 0.00 | 63.98 1.77 0.00 | 50.23 1.31 0.00 | 40.48 1.08 0.00 | 39.08 0.98 0.00 |
| INDIAN POINT___3 23531 | 39.61 0.87 0.00 | 40.26 0.73 0.00 | 40.08 0.64 0.00 | 39.96 0.52 0.00 | 39.90 0.53 0.00 | 38.88 0.55 0.00 | 48.47 1.06 0.00 | 57.72 1.82 0.00 | 46.16 1.46 0.00 | 39.06 1.29 0.00 | 33.19 1.10 -1.52 | 26.90 0.92 -1.33 | 14.02 0.50 0.00 | 22.68 0.77 0.00 | 18.56 0.64 0.00 | 24.89 0.68 -5.18 | 37.30 0.22 -30.52 | 43.77 0.93 -12.40 | 48.12 1.28 -4.03 | 57.78 1.79 0.00 | 64.19 1.98 0.00 | 50.39 1.48 0.00 | 40.63 1.24 0.00 | 39.25 1.15 0.00 |
| INGHAM_C_115KV_TB7 356103 | 38.50 -0.24 0.00 | 39.16 -0.37 0.00 | 39.01 -0.43 0.00 | 38.96 -0.48 0.00 | 38.94 -0.42 0.00 | 38.04 -0.29 0.00 | 47.38 -0.02 0.00 | 56.12 0.21 0.00 | 44.61 -0.10 0.00 | 37.32 -0.45 0.00 | 30.10 -0.47 0.00 | 24.11 -0.55 0.00 | 13.11 -0.41 0.00 | 21.23 -0.68 0.00 | 17.36 -0.55 0.00 | 18.40 -0.64 0.00 | 6.36 -0.19 0.00 | 30.05 -0.40 0.00 | 42.75 -0.06 0.00 | 56.46 0.48 0.00 | 62.49 0.28 0.00 | 49.08 0.16 0.00 | 39.50 0.10 0.00 | 38.23 0.13 0.00 |
| IP CORINTH___1 23988 | 40.03 1.29 0.00 | 40.71 1.19 0.00 | 40.73 1.30 0.00 | 40.72 1.28 0.00 | 40.71 1.35 0.00 | 39.78 1.45 0.00 | 49.47 2.07 0.00 | 58.51 2.60 0.00 | 46.58 1.88 0.00 | 39.20 1.43 0.00 | 31.71 0.74 -0.40 | 25.56 0.55 -0.35 | 13.70 0.18 0.00 | 22.17 0.26 0.00 | 18.17 0.25 0.00 | 20.69 0.29 -1.37 | 14.74 0.13 -8.05 | 34.62 0.90 -3.27 | 45.21 1.34 -1.06 | 58.16 2.18 0.00 | 64.44 2.24 0.00 | 50.57 1.66 0.00 | 40.76 1.37 0.00 | 39.50 1.40 0.00 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| IP__TICONDEROGA 23804 | 41.61 2.86 0.00 | 42.13 2.61 0.00 | 42.54 3.11 0.00 | 42.60 3.16 0.00 | 42.61 3.24 0.00 | 41.69 3.36 0.00 | 51.95 4.55 0.00 | 61.27 5.37 0.00 | 48.44 3.74 0.00 | 40.73 2.96 0.00 | 32.66 1.68 -0.40 | 26.33 1.31 -0.35 | 14.09 0.57 0.00 | 22.82 0.91 0.00 | 18.82 0.90 0.00 | 21.49 1.08 -1.38 | 15.03 0.37 -8.10 | 36.11 2.37 -3.29 | 47.31 3.43 -1.07 | 61.58 5.60 0.00 | 68.20 6.00 0.00 | 53.33 4.42 0.00 | 42.81 3.42 0.00 | 41.44 3.35 0.00 |
| ISLIP_RES_REC 323679 | 40.37 1.62 0.00 | 40.93 1.41 0.00 | 40.67 1.24 0.00 | 40.48 1.03 0.00 | 40.36 1.00 0.00 | 38.83 0.50 0.00 | 48.49 1.08 0.00 | 57.91 2.01 0.00 | 41.83 1.28 4.16 | 27.87 1.24 11.14 | 24.59 1.13 7.11 | 15.69 0.93 9.90 | 13.14 0.48 0.86 | 22.64 0.73 0.00 | 18.52 0.61 0.01 | 24.97 0.68 -5.26 | 37.85 0.30 -31.00 | 42.56 1.24 -10.88 | 48.82 1.92 -4.09 | 58.63 2.65 0.00 | 64.65 2.45 0.00 | 50.94 2.03 0.00 | 41.30 1.91 0.00 | 39.85 1.75 0.00 |
| JAMAICA__27_KV_LOAD 355505 | 40.12 1.37 0.00 | 40.60 1.08 0.00 | 40.43 1.00 0.00 | 40.39 0.95 0.00 | 40.55 1.18 0.00 | 39.39 1.06 0.00 | 48.94 1.54 0.00 | 58.36 2.46 0.00 | 46.76 2.06 0.00 | 39.64 1.88 0.00 | 33.74 1.63 -1.54 | 27.36 1.36 -1.34 | 14.28 0.75 0.00 | 23.09 1.18 0.00 | 18.88 0.96 0.00 | 25.28 1.01 -5.24 | 37.78 0.32 -30.90 | 44.29 1.30 -12.55 | 48.80 1.91 -4.08 | 58.58 2.60 0.00 | 65.15 2.94 0.00 | 51.14 2.23 0.00 | 41.31 1.92 0.00 | 40.09 2.00 0.00 |
| JANIS__SOLAR 323808 | 39.54 0.79 0.00 | 40.09 0.56 0.00 | 39.98 0.55 0.00 | 40.01 0.57 0.00 | 39.93 0.57 0.00 | 39.15 0.82 0.00 | 48.69 1.28 0.00 | 57.49 1.59 0.00 | 45.35 0.64 0.00 | 37.49 -0.28 0.00 | 29.92 -0.65 0.00 | 24.12 -0.54 0.00 | 13.29 -0.23 0.00 | 21.58 -0.33 0.00 | 17.63 -0.29 0.00 | 18.71 -0.32 0.00 | 6.44 -0.11 0.00 | 30.52 0.07 0.00 | 43.72 0.91 0.00 | 57.68 1.70 0.00 | 63.90 1.69 0.00 | 49.79 0.88 0.00 | 39.86 0.47 0.00 | 38.53 0.43 0.00 |
| JARVIS____ 23743 | 38.80 0.05 0.00 | 39.54 0.02 0.00 | 39.42 -0.02 0.00 | 39.40 -0.04 0.00 | 39.33 -0.04 0.00 | 38.31 -0.02 0.00 | 47.45 0.04 0.00 | 56.05 0.14 0.00 | 44.80 0.10 0.00 | 37.83 0.06 0.00 | 30.61 0.04 0.00 | 24.68 0.02 0.00 | 13.52 0.00 0.00 | 21.92 0.01 0.00 | 17.93 0.02 0.00 | 19.05 0.02 0.00 | 6.57 0.01 0.00 | 30.53 0.08 0.00 | 42.97 0.16 0.00 | 56.25 0.27 0.00 | 62.46 0.26 0.00 | 49.06 0.14 0.00 | 39.47 0.08 0.00 | 38.17 0.07 0.00 |
| JENNISON__1 23625 | 39.09 0.34 0.00 | 39.24 -0.28 0.00 | 39.00 -0.44 0.00 | 38.91 -0.53 0.00 | 38.87 -0.49 0.00 | 38.06 -0.26 0.00 | 47.34 -0.07 0.00 | 55.94 0.04 0.00 | 44.37 -0.33 0.00 | 37.20 -0.57 0.00 | 29.92 -0.65 0.00 | 24.30 -0.36 0.00 | 13.46 -0.06 0.00 | 21.96 0.05 0.00 | 17.96 0.04 0.00 | 19.08 0.05 0.00 | 6.54 -0.02 0.00 | 30.81 0.36 0.00 | 43.84 1.03 0.00 | 57.47 1.49 0.00 | 63.24 1.04 0.00 | 48.97 0.06 0.00 | 39.19 -0.20 0.00 | 37.92 -0.17 0.00 |
| JENNISON__2 23626 | 39.09 0.34 0.00 | 39.24 -0.28 0.00 | 39.00 -0.44 0.00 | 38.91 -0.53 0.00 | 38.87 -0.49 0.00 | 38.06 -0.26 0.00 | 47.34 -0.07 0.00 | 55.94 0.04 0.00 | 44.37 -0.33 0.00 | 37.20 -0.57 0.00 | 29.92 -0.65 0.00 | 24.30 -0.36 0.00 | 13.46 -0.06 0.00 | 21.96 0.05 0.00 | 17.96 0.04 0.00 | 19.08 0.05 0.00 | 6.54 -0.02 0.00 | 30.81 0.36 0.00 | 43.84 1.03 0.00 | 57.47 1.49 0.00 | 63.24 1.04 0.00 | 48.97 0.06 0.00 | 39.19 -0.20 0.00 | 37.92 -0.17 0.00 |
| JERICHO_RISE_WT_PWR 323719 | 40.08 1.33 0.00 | 40.94 1.42 0.00 | 41.02 1.58 0.00 | 41.09 1.65 0.00 | 40.96 1.59 0.00 | 39.78 1.45 0.00 | 48.92 1.52 0.00 | 57.34 1.43 0.00 | 45.92 1.22 0.00 | 38.84 1.07 0.00 | 31.47 0.90 0.00 | 25.36 0.70 0.00 | 13.89 0.37 0.00 | 22.51 0.60 0.00 | 18.44 0.52 0.00 | 19.63 0.59 0.00 | 6.78 0.22 0.00 | 31.40 0.95 0.00 | 44.09 1.28 0.00 | 57.46 1.47 0.00 | 63.91 1.70 0.00 | 50.17 1.25 0.00 | 40.26 0.87 0.00 | 38.71 0.62 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 40.00 1.26 0.00 | 40.65 1.13 0.00 | 40.45 1.02 0.00 | 40.34 0.90 0.00 | 40.29 0.93 0.00 | 39.31 0.98 0.00 | 49.05 1.65 0.00 | 58.46 2.56 0.00 | 46.74 2.04 0.00 | 39.53 1.76 0.00 | 33.25 1.46 -1.22 | 26.92 1.20 -1.06 | 14.17 0.65 0.00 | 22.91 1.00 0.00 | 18.76 0.84 0.00 | 24.07 0.89 -4.14 | 31.28 0.29 -24.43 | 41.67 1.31 -9.92 | 47.86 1.82 -3.23 | 58.46 2.48 0.00 | 64.89 2.69 0.00 | 50.95 2.04 0.00 | 41.07 1.68 0.00 | 39.65 1.56 0.00 |
| KCE_NY_1 323755 | 40.22 1.48 0.00 | 41.00 1.48 0.00 | 40.83 1.39 0.00 | 40.82 1.38 0.00 | 40.81 1.45 0.00 | 39.77 1.44 0.00 | 49.38 1.98 0.00 | 58.43 2.53 0.00 | 46.56 1.86 0.00 | 39.29 1.52 0.00 | 31.95 0.97 -0.40 | 25.77 0.75 -0.35 | 13.87 0.35 0.00 | 22.45 0.54 0.00 | 18.40 0.48 0.00 | 20.91 0.51 -1.37 | 14.82 0.20 -8.07 | 34.91 1.19 -3.28 | 45.55 1.67 -1.07 | 58.41 2.43 0.00 | 64.75 2.54 0.00 | 50.82 1.90 0.00 | 40.89 1.49 0.00 | 39.57 1.48 0.00 |
| KCE_NY_6_ESR 323823 | 37.04 -1.71 0.00 | 37.97 -1.56 0.00 | 37.92 -1.52 0.00 | 38.18 -1.26 0.00 | 38.24 -1.12 0.00 | 37.44 -0.88 0.00 | 45.87 -1.53 0.00 | 53.46 -2.44 0.00 | 42.89 -1.81 0.00 | 36.37 -1.40 0.00 | 29.29 -1.28 0.00 | 23.65 -1.02 0.00 | 13.11 -0.41 0.00 | 21.16 -0.75 0.00 | 17.29 -0.62 0.00 | 18.42 -0.62 0.00 | 6.22 -0.34 0.00 | 28.98 -1.47 0.00 | 40.86 -1.95 0.00 | 52.89 -3.09 0.00 | 58.75 -3.46 0.00 | 46.22 -2.69 0.00 | 37.35 -2.04 0.00 | 36.50 -1.60 0.00 |
| KEDC_PORT_JEFF_GT2 24210 | 40.19 1.45 0.00 | 40.77 1.24 0.00 | 40.51 1.08 0.00 | 40.32 0.87 0.00 | 40.19 0.83 0.00 | 38.66 0.33 0.00 | 48.23 0.82 0.00 | 57.58 1.68 0.00 | 40.54 1.04 5.19 | 24.85 1.02 13.94 | 22.27 0.99 9.28 | 12.75 0.81 12.72 | 12.87 0.42 1.07 | 22.55 0.64 0.00 | 18.45 0.54 0.01 | 24.90 0.61 -5.26 | 37.82 0.26 -31.00 | 41.96 1.06 -10.45 | 48.56 1.66 -4.09 | 58.28 2.30 0.00 | 64.28 2.08 0.00 | 50.68 1.76 0.00 | 41.12 1.73 0.00 | 39.69 1.60 0.00 |
| KEDC_PORT_JEFF_GT3 24211 | 40.19 1.45 0.00 | 40.77 1.24 0.00 | 40.51 1.08 0.00 | 40.32 0.87 0.00 | 40.19 0.83 0.00 | 38.66 0.33 0.00 | 48.23 0.82 0.00 | 57.58 1.68 0.00 | 40.54 1.04 5.19 | 24.85 1.02 13.94 | 22.27 0.99 9.28 | 12.75 0.81 12.72 | 12.87 0.42 1.07 | 22.55 0.64 0.00 | 18.45 0.54 0.01 | 24.90 0.61 -5.26 | 37.82 0.26 -31.00 | 41.96 1.06 -10.45 | 48.56 1.66 -4.09 | 58.28 2.30 0.00 | 64.28 2.08 0.00 | 50.68 1.76 0.00 | 41.12 1.73 0.00 | 39.69 1.60 0.00 |
| KEDC_GLWD_GT4 24219 | 40.28 1.53 0.00 | 40.86 1.34 0.00 | 40.62 1.18 0.00 | 40.46 1.02 0.00 | 40.40 1.03 0.00 | 39.22 0.89 0.00 | 48.88 1.48 0.00 | 58.31 2.41 0.00 | 46.55 1.85 0.00 | 39.43 1.66 0.00 | 33.58 1.47 -1.55 | 27.21 1.20 -1.35 | 14.17 0.65 0.00 | 22.92 1.01 0.00 | 18.77 0.85 0.00 | 25.20 0.91 -5.26 | 37.89 0.33 -31.00 | 44.49 1.45 -12.59 | 48.89 1.99 -4.09 | 58.63 2.65 0.00 | 64.94 2.74 0.00 | 50.97 2.05 0.00 | 41.24 1.85 0.00 | 39.85 1.75 0.00 |
| KEDC_GLWD_GT5 24220 | 40.28 1.53 0.00 | 40.86 1.34 0.00 | 40.62 1.18 0.00 | 40.46 1.02 0.00 | 40.40 1.03 0.00 | 39.22 0.89 0.00 | 48.88 1.48 0.00 | 58.31 2.41 0.00 | 46.55 1.85 0.00 | 39.43 1.66 0.00 | 33.58 1.47 -1.55 | 27.21 1.20 -1.35 | 14.17 0.65 0.00 | 22.92 1.01 0.00 | 18.77 0.85 0.00 | 25.20 0.91 -5.26 | 37.89 0.33 -31.00 | 44.49 1.45 -12.59 | 48.89 1.99 -4.09 | 58.63 2.65 0.00 | 64.94 2.74 0.00 | 50.97 2.05 0.00 | 41.24 1.85 0.00 | 39.85 1.75 0.00 |

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| KENSICO____ 23655 | 39.80 1.06 0.00 | 40.43 0.90 0.00 | 40.23 0.79 0.00 | 40.12 0.68 0.00 | 40.06 0.70 0.00 | 39.04 0.71 0.00 | 48.69 1.28 0.00 | 58.01 2.11 0.00 | 46.41 1.71 0.00 | 39.29 1.52 0.00 | 33.48 1.30 -1.61 | 27.13 1.08 -1.40 | 14.11 0.59 0.00 | 22.82 0.91 0.00 | 18.68 0.76 0.00 | 25.30 0.81 -5.46 | 39.00 0.26 -32.17 | 44.64 1.13 -13.06 | 48.61 1.56 -4.25 | 58.06 2.08 0.00 | 64.47 2.26 0.00 | 50.63 1.72 0.00 | 40.84 1.46 0.00 | 39.46 1.36 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 40.27 1.52 0.00 | 40.87 1.35 0.00 | 40.69 1.26 0.00 | 40.58 1.13 0.00 | 40.53 1.17 0.00 | 39.55 1.21 0.00 | 49.36 1.96 0.00 | 58.70 2.80 0.00 | 46.86 2.16 0.00 | 39.54 1.76 0.00 | 31.33 1.33 0.57 | 25.17 1.01 0.50 | 14.07 0.55 0.00 | 23.04 1.12 0.00 | 18.61 0.70 0.00 | 17.76 0.68 1.95 | -4.69 0.24 11.49 | 26.97 1.18 4.66 | 43.11 1.82 1.52 | 58.64 2.66 0.00 | 65.16 2.95 0.00 | 51.14 2.23 0.00 | 41.17 1.78 0.00 | 39.74 1.65 0.00 |
| KIAC_JFK_GT1 23816 | 39.88 1.14 0.00 | 40.37 0.84 0.00 | 40.20 0.76 0.00 | 40.15 0.71 0.00 | 40.31 0.95 0.00 | 39.10 0.77 0.00 | 48.44 1.03 0.00 | 57.77 1.87 0.00 | 46.30 1.59 0.00 | 39.25 1.48 0.00 | 33.44 1.32 -1.54 | 27.12 1.11 -1.34 | 14.16 0.64 0.00 | 22.90 0.99 0.00 | 18.72 0.81 0.00 | 25.12 0.84 -5.24 | 37.72 0.27 -30.90 | 43.99 0.99 -12.55 | 48.37 1.48 -4.08 | 58.00 2.02 0.00 | 64.48 2.27 0.00 | 50.62 1.71 0.00 | 41.05 1.66 0.00 | 39.85 1.75 0.00 |
| KIAC_JFK_GT2 23817 | 39.88 1.14 0.00 | 40.37 0.84 0.00 | 40.20 0.76 0.00 | 40.15 0.71 0.00 | 40.31 0.95 0.00 | 39.10 0.77 0.00 | 48.44 1.03 0.00 | 57.77 1.87 0.00 | 46.30 1.59 0.00 | 39.25 1.48 0.00 | 33.44 1.32 -1.54 | 27.12 1.11 -1.34 | 14.16 0.64 0.00 | 22.90 0.99 0.00 | 18.72 0.81 0.00 | 25.12 0.84 -5.24 | 37.72 0.27 -30.90 | 43.99 0.99 -12.55 | 48.37 1.48 -4.08 | 58.00 2.02 0.00 | 64.48 2.27 0.00 | 50.62 1.71 0.00 | 41.05 1.66 0.00 | 39.85 1.75 0.00 |
| KIAC_JFK____ 323774 | 39.88 1.14 0.00 | 40.37 0.84 0.00 | 40.20 0.76 0.00 | 40.15 0.71 0.00 | 40.34 0.97 0.00 | 39.10 0.77 0.00 | 48.44 1.04 0.00 | 57.77 1.87 0.00 | 46.30 1.59 0.00 | 39.25 1.48 0.00 | 33.44 1.32 -1.54 | 27.12 1.11 -1.34 | 14.16 0.64 0.00 | 22.90 0.99 0.00 | 18.72 0.81 0.00 | 25.12 0.84 -5.24 | 37.72 0.27 -30.90 | 43.99 0.99 -12.55 | 48.37 1.48 -4.08 | 58.00 2.02 0.00 | 64.48 2.27 0.00 | 50.63 1.72 0.00 | 41.06 1.66 0.00 | 39.85 1.76 0.00 |
| KINTIGH____ 23543 | 36.27 -2.48 0.00 | 37.19 -2.33 0.00 | 37.15 -2.29 0.00 | 37.40 -2.04 0.00 | 37.38 -1.98 0.00 | 36.55 -1.77 0.00 | 44.79 -2.61 0.00 | 52.24 -3.66 0.00 | 41.92 -2.79 0.00 | 35.48 -2.29 0.00 | 28.58 -1.99 0.00 | 23.09 -1.57 0.00 | 12.78 -0.74 0.00 | 20.64 -1.27 0.00 | 16.86 -1.05 0.00 | 17.97 -1.07 0.00 | 6.09 -0.47 0.00 | 28.29 -2.16 0.00 | 39.88 -2.92 0.00 | 51.64 -4.34 0.00 | 57.35 -4.85 0.00 | 45.17 -3.75 0.00 | 36.51 -2.88 0.00 | 35.65 -2.44 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 41.19 2.45 0.00 | 42.05 2.52 0.00 | 42.22 2.78 0.00 | 42.28 2.84 0.00 | 42.12 2.76 0.00 | 40.90 2.57 0.00 | 50.27 2.87 0.00 | 58.99 3.09 0.00 | 47.15 2.45 0.00 | 39.82 2.05 0.00 | 32.22 1.65 0.00 | 25.92 1.26 0.00 | 14.16 0.64 0.00 | 22.93 1.02 0.00 | 18.82 0.90 0.00 | 20.05 1.02 0.00 | 6.89 0.34 0.00 | 32.02 1.57 0.00 | 45.02 2.21 0.00 | 58.82 2.83 0.00 | 65.21 3.00 0.00 | 50.88 1.97 0.00 | 40.81 1.42 0.00 | 39.38 1.28 0.00 |
| LACHUTE__HYDRO 323717 | 41.61 2.87 0.00 | 42.13 2.61 0.00 | 42.54 3.11 0.00 | 42.60 3.16 0.00 | 42.61 3.24 0.00 | 41.69 3.36 0.00 | 51.95 4.55 0.00 | 61.27 5.36 0.00 | 48.45 3.74 0.00 | 40.73 2.96 0.00 | 32.65 1.68 -0.40 | 26.33 1.31 -0.35 | 14.09 0.57 0.00 | 22.82 0.91 0.00 | 18.82 0.90 0.00 | 21.48 1.07 -1.38 | 15.03 0.37 -8.10 | 36.11 2.37 -3.29 | 47.31 3.43 -1.07 | 61.58 5.60 0.00 | 68.20 6.00 0.00 | 53.33 4.42 0.00 | 42.81 3.42 0.00 | 41.44 3.35 0.00 |
| LAWRNCV_115KV_TB1 80681 | 39.80 1.06 0.00 | 40.64 1.12 0.00 | 40.74 1.30 0.00 | 40.82 1.38 0.00 | 40.70 1.33 0.00 | 39.57 1.24 0.00 | 48.76 1.35 0.00 | 57.06 1.17 0.00 | 45.70 0.99 0.00 | 38.51 0.74 0.00 | 31.06 0.49 0.00 | 25.02 0.36 0.00 | 13.71 0.18 0.00 | 22.21 0.30 0.00 | 18.18 0.26 0.00 | 19.38 0.34 0.00 | 6.73 0.17 0.00 | 31.24 0.79 0.00 | 43.94 1.13 0.00 | 57.36 1.37 0.00 | 63.85 1.65 0.00 | 50.29 1.37 0.00 | 40.44 1.04 0.00 | 38.89 0.79 0.00 |
| LEDERLE____ 23769 | 39.68 0.93 0.00 | 40.33 0.81 0.00 | 40.17 0.73 0.00 | 40.04 0.59 0.00 | 39.98 0.61 0.00 | 38.95 0.62 0.00 | 48.59 1.19 0.00 | 57.88 1.98 0.00 | 46.27 1.57 0.00 | 39.14 1.37 0.00 | 28.73 1.14 2.98 | 23.02 0.95 2.59 | 14.04 0.52 0.00 | 22.72 0.80 0.00 | 18.59 0.67 0.00 | 9.62 0.71 10.12 | -52.88 0.23 59.67 | 7.21 0.99 24.23 | 36.31 1.39 7.88 | 57.97 1.99 0.00 | 64.44 2.24 0.00 | 50.57 1.65 0.00 | 40.74 1.35 0.00 | 39.32 1.23 0.00 |
| LIGHTRSE_115KV_TB6 355974 | 37.95 -0.80 0.00 | 38.58 -0.94 0.00 | 38.65 -0.79 0.00 | 38.70 -0.75 0.00 | 38.56 -0.81 0.00 | 37.47 -0.86 0.00 | 46.45 -0.95 0.00 | 54.79 -1.11 0.00 | 43.72 -0.99 0.00 | 36.70 -1.07 0.00 | 29.60 -0.97 0.00 | 23.80 -0.86 0.00 | 12.98 -0.53 0.00 | 21.02 -0.89 0.00 | 17.17 -0.75 0.00 | 18.28 -0.75 0.00 | 6.35 -0.21 0.00 | 29.66 -0.79 0.00 | 41.99 -0.82 0.00 | 55.07 -0.91 0.00 | 61.10 -1.10 0.00 | 47.89 -1.02 0.00 | 38.47 -0.92 0.00 | 37.01 -1.09 0.00 |
| LINDEN COGEN____ 23786 | 39.74 1.00 0.00 | 40.35 0.82 0.00 | 40.17 0.74 0.00 | 40.04 0.60 0.00 | 40.08 0.71 0.00 | 38.99 0.66 0.00 | 48.66 1.26 0.00 | 58.08 2.17 0.00 | 46.52 1.81 0.00 | 39.37 1.60 0.00 | 33.48 1.37 -1.54 | 27.16 1.15 -1.34 | 14.17 0.65 0.00 | 22.91 1.00 0.00 | 18.75 0.83 0.00 | 25.15 0.87 -5.24 | 37.73 0.28 -30.90 | 44.14 1.15 -12.55 | 48.49 1.60 -4.08 | 58.05 2.07 0.00 | 64.49 2.28 0.00 | 50.64 1.73 0.00 | 40.86 1.47 0.00 | 39.51 1.41 0.00 |
| LINDHRST_69_KV_BK1 356055 | 40.52 1.77 0.00 | 41.07 1.55 0.00 | 40.82 1.39 0.00 | 40.65 1.21 0.00 | 40.52 1.15 0.00 | 39.27 0.93 0.00 | 48.95 1.55 0.00 | 58.47 2.57 0.00 | 46.34 1.91 0.28 | 38.74 1.72 0.75 | 33.02 1.49 -0.97 | 26.45 1.20 -0.59 | 14.10 0.63 0.06 | 22.86 0.95 0.00 | 18.72 0.81 0.00 | 25.17 0.88 -5.26 | 37.90 0.35 -31.00 | 44.48 1.56 -12.47 | 49.14 2.24 -4.09 | 59.01 3.03 0.00 | 65.22 3.01 0.00 | 51.19 2.28 0.00 | 41.46 2.07 0.00 | 40.03 1.94 0.00 |
| LIPA_MISC_IPP 23656 | 39.95 1.21 0.00 | 40.53 1.01 0.00 | 40.27 0.84 0.00 | 40.05 0.61 0.00 | 39.91 0.54 0.00 | 38.22 -0.11 0.00 | 47.78 0.38 0.00 | 56.99 1.09 0.00 | 40.30 0.43 4.83 | 25.34 0.52 12.96 | 22.67 0.62 8.52 | 13.49 0.55 11.73 | 12.81 0.29 0.99 | 22.36 0.44 0.00 | 18.28 0.37 0.01 | 24.73 0.44 -5.26 | 37.78 0.22 -31.00 | 41.81 0.76 -10.60 | 48.15 1.24 -4.09 | 57.82 1.84 0.00 | 63.66 1.45 0.00 | 50.19 1.27 0.00 | 40.77 1.38 0.00 | 39.32 1.23 0.00 |
| LISF__SOLAR 323691 | 40.01 1.27 0.00 | 40.60 1.08 0.00 | 40.32 0.88 0.00 | 40.11 0.67 0.00 | 39.99 0.62 0.00 | 38.28 -0.04 0.00 | 47.86 0.45 0.00 | 57.08 1.18 0.00 | 40.40 0.50 4.80 | 25.46 0.55 12.86 | 22.75 0.63 8.45 | 13.58 0.56 11.64 | 12.82 0.28 0.99 | 22.35 0.44 0.00 | 18.28 0.37 0.01 | 24.74 0.45 -5.26 | 37.78 0.22 -31.00 | 41.85 0.79 -10.61 | 48.22 1.32 -4.09 | 57.93 1.95 0.00 | 63.77 1.57 0.00 | 50.29 1.38 0.00 | 40.84 1.45 0.00 | 39.38 1.29 0.00 |

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| LITTLE FALLS___HYD 24013 | 38.50 -0.24 0.00 | 39.16 -0.37 0.00 | 39.01 -0.43 0.00 | 38.96 -0.48 0.00 | 38.94 -0.42 0.00 | 38.04 -0.29 0.00 | 47.38 -0.02 0.00 | 56.12 0.21 0.00 | 44.61 -0.10 0.00 | 37.32 -0.45 0.00 | 30.10 -0.47 0.00 | 24.11 -0.55 0.00 | 13.11 -0.41 0.00 | 21.23 -0.68 0.00 | 17.36 -0.55 0.00 | 18.40 -0.64 0.00 | 6.36 -0.19 0.00 | 30.05 -0.40 0.00 | 42.75 -0.06 0.00 | 56.46 0.48 0.00 | 62.49 0.28 0.00 | 49.08 0.16 0.00 | 39.50 0.10 0.00 | 38.23 0.13 0.00 |
| LITTLRIV_115KV_TB1 356100 | 40.45 1.70 0.00 | 41.31 1.78 0.00 | 41.40 1.96 0.00 | 41.49 2.05 0.00 | 41.38 2.01 0.00 | 40.27 1.95 0.00 | 49.67 2.27 0.00 | 58.16 2.26 0.00 | 46.43 1.73 0.00 | 38.98 1.21 0.00 | 31.30 0.73 0.00 | 25.18 0.51 0.00 | 13.78 0.26 0.00 | 22.33 0.42 0.00 | 18.29 0.37 0.00 | 19.51 0.48 0.00 | 6.80 0.24 0.00 | 31.60 1.15 0.00 | 44.58 1.77 0.00 | 58.36 2.38 0.00 | 64.96 2.75 0.00 | 51.16 2.25 0.00 | 41.12 1.73 0.00 | 39.55 1.45 0.00 |
| LI_NEWBRDGE___DRP 323616 | 39.96 1.21 0.00 | 40.55 1.03 0.00 | 40.31 0.87 0.00 | 40.15 0.71 0.00 | 40.05 0.69 0.00 | 38.86 0.53 0.00 | 48.41 1.00 0.00 | 57.75 1.84 0.00 | 46.08 1.37 0.00 | 39.05 1.28 0.00 | 33.30 1.18 -1.55 | 26.97 0.96 -1.35 | 14.04 0.52 0.00 | 22.71 0.80 0.00 | 18.59 0.67 0.00 | 25.01 0.72 -5.26 | 37.83 0.27 -31.00 | 44.17 1.14 -12.59 | 48.47 1.57 -4.09 | 58.07 2.09 0.00 | 64.30 2.10 0.00 | 50.49 1.57 0.00 | 40.89 1.50 0.00 | 39.52 1.42 0.00 |
| LOCKPORT_115KV_TB60_63_64 80432 | 36.12 -2.63 0.00 | 37.02 -2.50 0.00 | 37.01 -2.43 0.00 | 37.31 -2.13 0.00 | 37.32 -2.05 0.00 | 36.55 -1.78 0.00 | 44.70 -2.70 0.00 | 51.90 -4.00 0.00 | 41.72 -2.99 0.00 | 35.28 -2.49 0.00 | 28.36 -2.21 0.00 | 22.90 -1.76 0.00 | 12.75 -0.77 0.00 | 20.49 -1.42 0.00 | 16.74 -1.18 0.00 | 17.84 -1.19 0.00 | 6.04 -0.52 0.00 | 28.05 -2.40 0.00 | 39.59 -3.22 0.00 | 51.23 -4.75 0.00 | 56.90 -5.30 0.00 | 44.87 -4.04 0.00 | 36.37 -3.02 0.00 | 35.67 -2.42 0.00 |
| LOCKPORT___CC1 323769 | 36.05 -2.70 0.00 | 36.98 -2.55 0.00 | 36.97 -2.47 0.00 | 37.27 -2.17 0.00 | 37.25 -2.11 0.00 | 36.50 -1.83 0.00 | 44.63 -2.77 0.00 | 51.83 -4.07 0.00 | 41.66 -3.05 0.00 | 35.22 -2.55 0.00 | 28.34 -2.23 0.00 | 22.89 -1.78 0.00 | 12.74 -0.78 0.00 | 20.50 -1.42 0.00 | 16.74 -1.18 0.00 | 17.84 -1.19 0.00 | 6.04 -0.52 0.00 | 28.07 -2.38 0.00 | 39.61 -3.20 0.00 | 51.23 -4.75 0.00 | 56.88 -5.32 0.00 | 44.83 -4.08 0.00 | 36.35 -3.04 0.00 | 35.63 -2.46 0.00 |
| LOCKPORT___CC2 323770 | 36.05 -2.70 0.00 | 36.98 -2.55 0.00 | 36.97 -2.47 0.00 | 37.27 -2.17 0.00 | 37.25 -2.11 0.00 | 36.50 -1.83 0.00 | 44.63 -2.77 0.00 | 51.83 -4.07 0.00 | 41.66 -3.05 0.00 | 35.22 -2.55 0.00 | 28.34 -2.23 0.00 | 22.89 -1.78 0.00 | 12.74 -0.78 0.00 | 20.50 -1.42 0.00 | 16.74 -1.18 0.00 | 17.84 -1.19 0.00 | 6.04 -0.52 0.00 | 28.07 -2.38 0.00 | 39.61 -3.20 0.00 | 51.23 -4.75 0.00 | 56.88 -5.32 0.00 | 44.83 -4.08 0.00 | 36.35 -3.04 0.00 | 35.63 -2.46 0.00 |
| LOCKPORT___CC3 323771 | 36.05 -2.70 0.00 | 36.98 -2.55 0.00 | 36.97 -2.47 0.00 | 37.27 -2.17 0.00 | 37.25 -2.11 0.00 | 36.50 -1.83 0.00 | 44.63 -2.77 0.00 | 51.83 -4.07 0.00 | 41.66 -3.05 0.00 | 35.22 -2.55 0.00 | 28.34 -2.23 0.00 | 22.89 -1.78 0.00 | 12.74 -0.78 0.00 | 20.50 -1.42 0.00 | 16.74 -1.18 0.00 | 17.84 -1.19 0.00 | 6.04 -0.52 0.00 | 28.07 -2.38 0.00 | 39.61 -3.20 0.00 | 51.23 -4.75 0.00 | 56.88 -5.32 0.00 | 44.83 -4.08 0.00 | 36.35 -3.04 0.00 | 35.63 -2.46 0.00 |
| LONG_LAKE_PHOENIX 24014 | 37.29 -1.45 0.00 | 38.05 -1.48 0.00 | 37.99 -1.45 0.00 | 38.04 -1.40 0.00 | 37.97 -1.39 0.00 | 36.99 -1.34 0.00 | 45.77 -1.64 0.00 | 53.97 -1.94 0.00 | 43.07 -1.63 0.00 | 36.28 -1.49 0.00 | 29.36 -1.22 0.00 | 23.65 -1.01 0.00 | 12.97 -0.55 0.00 | 21.00 -0.91 0.00 | 17.16 -0.76 0.00 | 18.21 -0.82 0.00 | 6.27 -0.29 0.00 | 29.20 -1.25 0.00 | 41.14 -1.66 0.00 | 53.85 -2.13 0.00 | 59.78 -2.43 0.00 | 46.94 -1.97 0.00 | 37.78 -1.61 0.00 | 36.60 -1.49 0.00 |
| LOVETT___3 23632 | 39.53 0.79 0.00 | 40.18 0.65 0.00 | 40.02 0.58 0.00 | 39.88 0.44 0.00 | 39.83 0.46 0.00 | 38.80 0.47 0.00 | 48.38 0.98 0.00 | 57.61 1.71 0.00 | 46.05 1.35 0.00 | 38.98 1.20 0.00 | 28.67 1.02 2.92 | 22.98 0.86 2.53 | 13.99 0.47 0.00 | 22.63 0.72 0.00 | 18.52 0.60 0.00 | 9.76 0.63 9.90 | -51.64 0.21 58.41 | 7.59 0.86 23.72 | 36.28 1.19 7.71 | 57.68 1.70 0.00 | 64.09 1.88 0.00 | 50.31 1.39 0.00 | 40.56 1.17 0.00 | 39.17 1.08 0.00 |
| LOVETT___4 23642 | 39.53 0.79 0.00 | 40.18 0.65 0.00 | 40.02 0.58 0.00 | 39.88 0.44 0.00 | 39.83 0.46 0.00 | 38.80 0.47 0.00 | 48.38 0.98 0.00 | 57.61 1.71 0.00 | 46.05 1.35 0.00 | 38.98 1.20 0.00 | 28.67 1.02 2.92 | 22.98 0.86 2.53 | 13.99 0.47 0.00 | 22.63 0.72 0.00 | 18.52 0.60 0.00 | 9.76 0.63 9.90 | -51.64 0.21 58.41 | 7.59 0.86 23.72 | 36.28 1.19 7.71 | 57.68 1.70 0.00 | 64.09 1.88 0.00 | 50.31 1.39 0.00 | 40.56 1.17 0.00 | 39.17 1.08 0.00 |
| LOVETT___5 23593 | 39.53 0.79 0.00 | 40.18 0.65 0.00 | 40.02 0.58 0.00 | 39.88 0.44 0.00 | 39.83 0.46 0.00 | 38.80 0.47 0.00 | 48.38 0.98 0.00 | 57.61 1.71 0.00 | 46.05 1.35 0.00 | 38.98 1.20 0.00 | 28.67 1.02 2.92 | 22.98 0.86 2.53 | 13.99 0.47 0.00 | 22.63 0.72 0.00 | 18.52 0.60 0.00 | 9.76 0.63 9.90 | -51.64 0.21 58.41 | 7.59 0.86 23.72 | 36.28 1.19 7.71 | 57.68 1.70 0.00 | 64.09 1.88 0.00 | 50.31 1.39 0.00 | 40.56 1.17 0.00 | 39.17 1.08 0.00 |
| LOWER RAQUET___HYD 24057 | 39.76 1.01 0.00 | 40.59 1.07 0.00 | 40.69 1.26 0.00 | 40.79 1.35 0.00 | 40.67 1.30 0.00 | 39.54 1.21 0.00 | 48.73 1.32 0.00 | 57.05 1.16 0.00 | 45.66 0.95 0.00 | 38.44 0.67 0.00 | 30.99 0.43 0.00 | 24.95 0.29 0.00 | 13.66 0.14 0.00 | 22.14 0.23 0.00 | 18.12 0.20 0.00 | 19.32 0.29 0.00 | 6.72 0.16 0.00 | 31.20 0.75 0.00 | 43.91 1.10 0.00 | 57.35 1.36 0.00 | 63.83 1.63 0.00 | 50.25 1.34 0.00 | 40.39 1.00 0.00 | 38.83 0.73 0.00 |
| LOWER___HUDSON 24059 | 39.82 1.07 0.00 | 40.58 1.06 0.00 | 40.37 0.94 0.00 | 40.36 0.92 0.00 | 40.30 0.93 0.00 | 39.29 0.96 0.00 | 48.72 1.31 0.00 | 57.60 1.71 0.00 | 46.05 1.34 0.00 | 38.87 1.10 0.00 | 31.75 0.74 -0.44 | 25.60 0.56 -0.38 | 13.77 0.25 0.00 | 22.31 0.40 0.00 | 18.30 0.38 0.00 | 20.93 0.41 -1.48 | 15.45 0.15 -8.74 | 34.77 0.77 -3.55 | 45.01 1.05 -1.16 | 57.55 1.57 0.00 | 63.85 1.65 0.00 | 50.22 1.31 0.00 | 40.47 1.08 0.00 | 39.20 1.10 0.00 |
| LOWVILLE_115KV_TB2 356335 | 39.40 0.65 0.00 | 39.82 0.30 0.00 | 40.13 0.69 0.00 | 40.34 0.90 0.00 | 40.03 0.67 0.00 | 38.71 0.38 0.00 | 48.27 0.86 0.00 | 56.88 0.98 0.00 | 45.41 0.71 0.00 | 37.91 0.14 0.00 | 30.52 -0.05 0.00 | 24.42 -0.24 0.00 | 13.31 -0.21 0.00 | 21.58 -0.32 0.00 | 17.65 -0.27 0.00 | 18.88 -0.15 0.00 | 6.62 0.06 0.00 | 31.10 0.65 0.00 | 44.20 1.40 0.00 | 58.13 2.14 0.00 | 64.40 2.20 0.00 | 50.10 1.19 0.00 | 40.13 0.74 0.00 | 38.28 0.19 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 40.22 1.47 0.00 | 40.97 1.45 0.00 | 40.84 1.40 0.00 | 40.82 1.38 0.00 | 40.78 1.41 0.00 | 39.78 1.45 0.00 | 49.40 2.00 0.00 | 58.41 2.51 0.00 | 46.57 1.86 0.00 | 39.26 1.49 0.00 | 31.95 0.98 -0.40 | 25.75 0.74 -0.35 | 13.86 0.34 0.00 | 22.45 0.53 0.00 | 18.39 0.47 0.00 | 20.91 0.50 -1.37 | 14.82 0.20 -8.07 | 34.84 1.12 -3.28 | 45.49 1.62 -1.07 | 58.34 2.35 0.00 | 64.68 2.48 0.00 | 50.81 1.89 0.00 | 40.90 1.51 0.00 | 39.58 1.49 0.00 |

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|---------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| LUTHERNY_35_KV_BK2 355980 | 40.22 1.48 0.00 | 41.00 1.48 0.00 | 40.83 1.39 0.00 | 40.82 1.38 0.00 | 40.80 1.44 0.00 | 39.78 1.45 0.00 | 49.38 1.98 0.00 | 58.43 2.53 0.00 | 46.57 1.86 0.00 | 39.29 1.52 0.00 | 31.94 0.97 -0.40 | 25.77 0.75 -0.35 | 13.87 0.35 0.00 | 22.45 0.54 0.00 | 18.40 0.48 0.00 | 20.91 0.51 -1.37 | 14.82 0.20 -8.07 | 34.91 1.19 -3.28 | 45.55 1.67 -1.07 | 58.41 2.43 0.00 | 64.75 2.54 0.00 | 50.81 1.90 0.00 | 40.88 1.49 0.00 | 39.57 1.48 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 39.31 0.56 0.00 | 39.93 0.41 0.00 | 40.14 0.71 0.00 | 40.29 0.85 0.00 | 40.08 0.72 0.00 | 38.88 0.55 0.00 | 48.19 0.79 0.00 | 56.61 0.71 0.00 | 45.23 0.52 0.00 | 37.88 0.11 0.00 | 30.51 -0.06 0.00 | 24.48 -0.18 0.00 | 13.36 -0.16 0.00 | 21.65 -0.26 0.00 | 17.71 -0.21 0.00 | 18.91 -0.12 0.00 | 6.62 0.06 0.00 | 30.91 0.46 0.00 | 43.69 0.88 0.00 | 57.27 1.29 0.00 | 63.61 1.40 0.00 | 49.80 0.89 0.00 | 39.95 0.56 0.00 | 38.25 0.16 0.00 |
| LYONS_FALL_HYD 23570 | 39.43 0.68 0.00 | 39.96 0.44 0.00 | 40.11 0.67 0.00 | 40.24 0.80 0.00 | 40.02 0.66 0.00 | 38.84 0.51 0.00 | 48.35 0.94 0.00 | 57.04 1.14 0.00 | 45.53 0.83 0.00 | 38.12 0.35 0.00 | 30.70 0.13 0.00 | 24.61 -0.05 0.00 | 13.44 -0.08 0.00 | 21.78 -0.13 0.00 | 17.81 -0.10 0.00 | 19.01 -0.03 0.00 | 6.63 0.07 0.00 | 31.08 0.63 0.00 | 44.06 1.25 0.00 | 57.86 1.88 0.00 | 64.15 1.94 0.00 | 50.06 1.15 0.00 | 40.15 0.76 0.00 | 38.48 0.39 0.00 |
| MADISON___COUNTY_LFGE 323628 | 39.37 0.62 0.00 | 40.08 0.56 0.00 | 40.01 0.57 0.00 | 40.02 0.58 0.00 | 39.94 0.57 0.00 | 39.00 0.67 0.00 | 48.49 1.08 0.00 | 57.25 1.35 0.00 | 45.66 0.95 0.00 | 38.32 0.55 0.00 | 30.79 0.22 0.00 | 24.73 0.07 0.00 | 13.55 0.02 0.00 | 21.95 0.04 0.00 | 17.94 0.02 0.00 | 19.08 0.04 0.00 | 6.60 0.04 0.00 | 30.88 0.44 0.00 | 43.73 0.92 0.00 | 57.40 1.42 0.00 | 63.68 1.47 0.00 | 49.86 0.95 0.00 | 40.06 0.67 0.00 | 38.65 0.56 0.00 |
| MALONE___115KV_TB1 356076 | 40.52 1.77 0.00 | 41.40 1.87 0.00 | 41.49 2.05 0.00 | 41.56 2.12 0.00 | 41.44 2.08 0.00 | 40.30 1.97 0.00 | 49.66 2.26 0.00 | 58.22 2.31 0.00 | 46.61 1.91 0.00 | 39.33 1.56 0.00 | 31.82 1.25 0.00 | 25.56 0.90 0.00 | 13.99 0.47 0.00 | 22.66 0.75 0.00 | 18.54 0.63 0.00 | 19.75 0.72 0.00 | 6.83 0.28 0.00 | 31.72 1.27 0.00 | 44.60 1.80 0.00 | 58.25 2.26 0.00 | 64.82 2.62 0.00 | 50.92 2.01 0.00 | 40.85 1.45 0.00 | 39.22 1.13 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 39.87 1.13 0.00 | 40.67 1.15 0.00 | 40.49 1.05 0.00 | 40.46 1.01 0.00 | 40.38 1.01 0.00 | 39.37 1.04 0.00 | 48.84 1.43 0.00 | 57.77 1.87 0.00 | 46.18 1.47 0.00 | 38.99 1.22 0.00 | 31.92 0.92 -0.43 | 25.75 0.71 -0.38 | 13.86 0.34 0.00 | 22.45 0.54 0.00 | 18.40 0.48 0.00 | 21.02 0.51 -1.47 | 15.44 0.19 -8.69 | 34.89 0.91 -3.53 | 45.18 1.23 -1.15 | 57.71 1.73 0.00 | 64.06 1.86 0.00 | 50.41 1.50 0.00 | 40.61 1.21 0.00 | 39.31 1.22 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 38.99 0.24 0.00 | 39.75 0.23 0.00 | 39.58 0.14 0.00 | 39.55 0.11 0.00 | 39.51 0.15 0.00 | 38.38 0.05 0.00 | 47.24 -0.17 0.00 | 55.41 -0.49 0.00 | 44.42 -0.29 0.00 | 37.61 -0.16 0.00 | 30.55 -0.02 0.00 | 24.65 -0.01 0.00 | 13.54 0.02 0.00 | 21.96 0.05 0.00 | 17.99 0.07 0.00 | 19.15 0.11 0.00 | 6.61 0.05 0.00 | 30.69 0.24 0.00 | 43.17 0.36 0.00 | 56.36 0.38 0.00 | 62.50 0.29 0.00 | 48.88 -0.03 0.00 | 39.15 -0.24 0.00 | 37.67 -0.43 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 38.99 0.24 0.00 | 39.75 0.23 0.00 | 39.58 0.14 0.00 | 39.55 0.11 0.00 | 39.51 0.15 0.00 | 38.38 0.05 0.00 | 47.24 -0.17 0.00 | 55.41 -0.49 0.00 | 44.42 -0.29 0.00 | 37.61 -0.16 0.00 | 30.55 -0.02 0.00 | 24.65 -0.01 0.00 | 13.54 0.02 0.00 | 21.96 0.05 0.00 | 17.99 0.07 0.00 | 19.15 0.11 0.00 | 6.61 0.05 0.00 | 30.69 0.24 0.00 | 43.17 0.36 0.00 | 56.36 0.38 0.00 | 62.50 0.29 0.00 | 48.88 -0.03 0.00 | 39.15 -0.24 0.00 | 37.67 -0.43 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 41.16 2.41 0.00 | 41.98 2.46 0.00 | 42.19 2.75 0.00 | 42.26 2.82 0.00 | 42.06 2.70 0.00 | 40.77 2.44 0.00 | 50.04 2.64 0.00 | 58.57 2.67 0.00 | 46.85 2.14 0.00 | 39.68 1.91 0.00 | 32.18 1.61 0.00 | 25.94 1.28 0.00 | 14.16 0.64 0.00 | 22.93 1.02 0.00 | 18.84 0.92 0.00 | 20.06 1.03 0.00 | 6.89 0.33 0.00 | 31.98 1.54 0.00 | 44.92 2.11 0.00 | 58.68 2.70 0.00 | 64.98 2.77 0.00 | 50.51 1.60 0.00 | 40.40 1.01 0.00 | 38.93 0.84 0.00 |
| MARSHVLE_115KV_TB1 80742 | 40.50 1.76 0.00 | 41.21 1.69 0.00 | 41.21 1.77 0.00 | 41.28 1.84 0.00 | 41.24 1.88 0.00 | 40.10 1.77 0.00 | 49.71 2.31 0.00 | 58.69 2.79 0.00 | 46.50 1.79 0.00 | 38.74 0.97 0.00 | 31.81 0.98 -0.26 | 25.52 0.63 -0.23 | 13.82 0.30 0.00 | 22.42 0.51 0.00 | 18.26 0.34 0.00 | 20.19 0.26 -0.90 | 11.97 0.13 -5.29 | 33.71 1.12 -2.15 | 45.64 2.13 -0.70 | 58.81 2.82 0.00 | 65.41 3.20 0.00 | 51.42 2.51 0.00 | 41.29 1.90 0.00 | 39.81 1.71 0.00 |
| MARSH_HILL_WT_PWR 323713 | 35.74 -3.01 0.00 | 36.54 -2.98 0.00 | 36.32 -3.12 0.00 | 36.61 -2.83 0.00 | 36.71 -2.65 0.00 | 35.90 -2.43 0.00 | 44.61 -2.79 0.00 | 52.51 -3.39 0.00 | 41.88 -2.82 0.00 | 35.53 -2.24 0.00 | 28.83 -1.74 0.00 | 23.30 -1.36 0.00 | 12.97 -0.55 0.00 | 20.97 -0.94 0.00 | 17.12 -0.79 0.00 | 18.17 -0.87 0.00 | 6.15 -0.41 0.00 | 29.15 -1.30 0.00 | 41.71 -1.10 0.00 | 54.57 -1.41 0.00 | 60.50 -1.71 0.00 | 47.43 -1.48 0.00 | 37.99 -1.41 0.00 | 36.59 -1.50 0.00 |
| MCINTYRE_115KV_TB2 80467 | 40.81 2.06 0.00 | 41.69 2.17 0.00 | 41.77 2.33 0.00 | 41.86 2.42 0.00 | 41.76 2.40 0.00 | 40.67 2.34 0.00 | 50.13 2.73 0.00 | 58.69 2.79 0.00 | 46.82 2.11 0.00 | 39.24 1.47 0.00 | 31.48 0.91 0.00 | 25.34 0.68 0.00 | 13.88 0.36 0.00 | 22.49 0.58 0.00 | 18.42 0.51 0.00 | 19.66 0.62 0.00 | 6.84 0.29 0.00 | 31.79 1.34 0.00 | 44.88 2.08 0.00 | 58.84 2.86 0.00 | 65.51 3.30 0.00 | 51.63 2.72 0.00 | 41.51 2.12 0.00 | 39.94 1.84 0.00 |
| MECO_____69_KV_BK1 80468 | 40.97 2.22 0.00 | 41.70 2.17 0.00 | 41.61 2.18 0.00 | 41.66 2.22 0.00 | 41.62 2.26 0.00 | 40.61 2.28 0.00 | 50.47 3.07 0.00 | 59.70 3.80 0.00 | 47.20 2.49 0.00 | 39.21 1.44 0.00 | 32.00 1.13 -0.31 | 25.57 0.64 -0.27 | 13.73 0.21 0.00 | 22.24 0.33 0.00 | 18.16 0.25 0.00 | 20.21 0.13 -1.05 | 12.81 0.08 -6.17 | 34.25 1.30 -2.51 | 46.22 2.60 -0.82 | 59.71 3.73 0.00 | 66.33 4.12 0.00 | 52.07 3.16 0.00 | 41.79 2.40 0.00 | 40.29 2.20 0.00 |
| MENANDS___115KV_TB5 355628 | 39.76 1.02 0.00 | 40.58 1.06 0.00 | 40.38 0.95 0.00 | 40.36 0.92 0.00 | 40.29 0.92 0.00 | 39.26 0.93 0.00 | 48.68 1.27 0.00 | 57.57 1.67 0.00 | 46.05 1.34 0.00 | 38.90 1.13 0.00 | 31.88 0.88 -0.44 | 25.73 0.69 -0.38 | 13.85 0.33 0.00 | 22.44 0.52 0.00 | 18.39 0.47 0.00 | 21.02 0.50 -1.48 | 15.47 0.18 -8.73 | 34.84 0.85 -3.55 | 45.07 1.11 -1.15 | 57.54 1.55 0.00 | 63.85 1.65 0.00 | 50.26 1.35 0.00 | 40.50 1.10 0.00 | 39.22 1.13 0.00 |
| MG INDUSTRY___DRP 24185 | 39.05 0.31 0.00 | 40.47 0.95 0.00 | 40.38 0.95 0.00 | 40.37 0.93 0.00 | 40.30 0.93 0.00 | 39.27 0.95 0.00 | 48.68 1.28 0.00 | 57.52 1.62 0.00 | 45.87 1.17 0.00 | 38.65 0.88 0.00 | 31.69 0.72 -0.39 | 25.54 0.54 -0.34 | 13.76 0.24 0.00 | 22.28 0.37 0.00 | 18.27 0.35 0.00 | 20.73 0.36 -1.33 | 14.54 0.13 -7.85 | 34.37 0.74 -3.19 | 44.92 1.08 -1.04 | 57.49 1.51 0.00 | 63.83 1.63 0.00 | 50.23 1.31 0.00 | 40.47 1.08 0.00 | 39.19 1.09 0.00 |

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| MID___OSWEGATCHIE_HYD 23849 | 39.31 0.56 0.00 | 39.93 0.41 0.00 | 40.14 0.71 0.00 | 40.29 0.85 0.00 | 40.08 0.72 0.00 | 38.88 0.55 0.00 | 48.19 0.79 0.00 | 56.61 0.71 0.00 | 45.23 0.52 0.00 | 37.88 0.11 0.00 | 30.51 -0.06 0.00 | 24.48 -0.18 0.00 | 13.36 -0.16 0.00 | 21.65 -0.26 0.00 | 17.71 -0.21 0.00 | 18.91 -0.12 0.00 | 6.62 0.06 0.00 | 30.91 0.46 0.00 | 43.69 0.88 0.00 | 57.27 1.29 0.00 | 63.61 1.40 0.00 | 49.80 0.89 0.00 | 39.95 0.56 0.00 | 38.25 0.16 0.00 |
| MID___RAQUETTE_HYD 23851 | 39.76 1.01 0.00 | 40.59 1.07 0.00 | 40.70 1.26 0.00 | 40.79 1.35 0.00 | 40.66 1.29 0.00 | 39.54 1.21 0.00 | 48.73 1.32 0.00 | 57.06 1.16 0.00 | 45.66 0.95 0.00 | 38.44 0.67 0.00 | 30.99 0.43 0.00 | 24.95 0.29 0.00 | 13.66 0.14 0.00 | 22.14 0.23 0.00 | 18.12 0.20 0.00 | 19.32 0.29 0.00 | 6.72 0.16 0.00 | 31.20 0.75 0.00 | 43.91 1.10 0.00 | 57.35 1.36 0.00 | 63.83 1.63 0.00 | 50.25 1.34 0.00 | 40.40 1.00 0.00 | 38.83 0.74 0.00 |
| MILLIKEN___1 23584 | 38.60 -0.15 0.00 | 39.32 -0.20 0.00 | 39.23 -0.21 0.00 | 39.27 -0.18 0.00 | 39.22 -0.15 0.00 | 38.31 -0.02 0.00 | 47.55 0.14 0.00 | 56.13 0.23 0.00 | 44.65 -0.06 0.00 | 37.37 -0.40 0.00 | 30.04 -0.54 0.00 | 24.20 -0.46 0.00 | 13.28 -0.24 0.00 | 21.50 -0.41 0.00 | 17.55 -0.37 0.00 | 18.61 -0.42 0.00 | 6.40 -0.16 0.00 | 30.01 -0.44 0.00 | 42.63 -0.17 0.00 | 56.01 0.03 0.00 | 62.19 -0.02 0.00 | 48.73 -0.18 0.00 | 39.15 -0.24 0.00 | 37.89 -0.21 0.00 |
| MILLIKEN___2 23585 | 38.60 -0.15 0.00 | 39.32 -0.20 0.00 | 39.23 -0.21 0.00 | 39.27 -0.18 0.00 | 39.22 -0.15 0.00 | 38.31 -0.02 0.00 | 47.55 0.14 0.00 | 56.13 0.23 0.00 | 44.65 -0.06 0.00 | 37.37 -0.40 0.00 | 30.04 -0.54 0.00 | 24.20 -0.46 0.00 | 13.28 -0.24 0.00 | 21.50 -0.41 0.00 | 17.55 -0.37 0.00 | 18.61 -0.42 0.00 | 6.40 -0.16 0.00 | 30.01 -0.44 0.00 | 42.63 -0.17 0.00 | 56.01 0.03 0.00 | 62.19 -0.02 0.00 | 48.73 -0.18 0.00 | 39.15 -0.24 0.00 | 37.89 -0.21 0.00 |
| MILLIKEN___DIESEL 23629 | 38.60 -0.15 0.00 | 39.32 -0.20 0.00 | 39.23 -0.21 0.00 | 39.27 -0.18 0.00 | 39.22 -0.15 0.00 | 38.31 -0.02 0.00 | 47.55 0.14 0.00 | 56.13 0.23 0.00 | 44.65 -0.06 0.00 | 37.37 -0.40 0.00 | 30.04 -0.54 0.00 | 24.20 -0.46 0.00 | 13.28 -0.24 0.00 | 21.50 -0.41 0.00 | 17.55 -0.37 0.00 | 18.61 -0.42 0.00 | 6.40 -0.16 0.00 | 30.01 -0.44 0.00 | 42.63 -0.17 0.00 | 56.01 0.03 0.00 | 62.19 -0.02 0.00 | 48.73 -0.18 0.00 | 39.15 -0.24 0.00 | 37.89 -0.21 0.00 |
| MILLSEAT___LFGE 323607 | 36.99 -1.76 0.00 | 37.89 -1.63 0.00 | 37.86 -1.58 0.00 | 38.14 -1.30 0.00 | 38.15 -1.22 0.00 | 37.43 -0.90 0.00 | 45.96 -1.44 0.00 | 53.57 -2.33 0.00 | 42.92 -1.79 0.00 | 36.05 -1.72 0.00 | 28.86 -1.72 0.00 | 23.21 -1.45 0.00 | 12.96 -0.56 0.00 | 20.72 -1.19 0.00 | 16.91 -1.01 0.00 | 18.02 -1.01 0.00 | 6.14 -0.42 0.00 | 28.59 -1.86 0.00 | 40.55 -2.26 0.00 | 52.75 -3.23 0.00 | 58.61 -3.60 0.00 | 46.11 -2.80 0.00 | 37.33 -2.07 0.00 | 36.48 -1.61 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 39.68 0.94 0.00 | 40.33 0.80 0.00 | 40.15 0.71 0.00 | 40.02 0.58 0.00 | 39.97 0.60 0.00 | 38.93 0.60 0.00 | 48.55 1.15 0.00 | 57.82 1.92 0.00 | 46.25 1.55 0.00 | 39.14 1.37 0.00 | 37.94 1.16 -6.21 | 31.03 0.97 -5.40 | 14.05 0.53 0.00 | 22.72 0.81 0.00 | 18.60 0.68 0.00 | 40.84 0.72 -21.09 | 131.13 0.24 -124.34 | 81.94 1.00 -50.49 | 60.60 1.37 -16.42 | 57.88 1.90 0.00 | 64.28 2.08 0.00 | 50.48 1.56 0.00 | 40.71 1.32 0.00 | 39.32 1.23 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 39.73 0.98 0.00 | 40.37 0.84 0.00 | 40.19 0.75 0.00 | 40.06 0.62 0.00 | 40.01 0.65 0.00 | 38.98 0.65 0.00 | 48.62 1.22 0.00 | 57.92 2.02 0.00 | 46.32 1.61 0.00 | 39.18 1.42 0.00 | 37.97 1.19 -6.21 | 31.06 1.00 -5.40 | 14.06 0.54 0.00 | 22.75 0.83 0.00 | 18.61 0.70 0.00 | 40.86 0.74 -21.09 | 131.14 0.24 -124.34 | 81.98 1.04 -50.49 | 60.68 1.45 -16.42 | 57.97 1.99 0.00 | 64.39 2.18 0.00 | 50.54 1.63 0.00 | 40.77 1.37 0.00 | 39.37 1.27 0.00 |
| MODEL_CITY_ENERGY 24167 | 35.79 -2.95 0.00 | 36.67 -2.85 0.00 | 36.68 -2.76 0.00 | 36.98 -2.46 0.00 | 36.97 -2.40 0.00 | 36.22 -2.11 0.00 | 44.25 -3.16 0.00 | 51.30 -4.61 0.00 | 41.26 -3.45 0.00 | 34.92 -2.85 0.00 | 28.10 -2.47 0.00 | 22.70 -1.96 0.00 | 12.63 -0.89 0.00 | 20.33 -1.58 0.00 | 16.61 -1.31 0.00 | 17.71 -1.33 0.00 | 5.99 -0.57 0.00 | 27.79 -2.66 0.00 | 39.16 -3.65 0.00 | 50.62 -5.37 0.00 | 56.21 -6.00 0.00 | 44.32 -4.59 0.00 | 35.98 -3.41 0.00 | 35.34 -2.76 0.00 |
| MODERN_LFGE___ 323580 | 35.79 -2.95 0.00 | 36.67 -2.85 0.00 | 36.68 -2.76 0.00 | 36.98 -2.46 0.00 | 36.97 -2.40 0.00 | 36.22 -2.11 0.00 | 44.25 -3.16 0.00 | 51.30 -4.61 0.00 | 41.26 -3.45 0.00 | 34.92 -2.85 0.00 | 28.10 -2.47 0.00 | 22.70 -1.96 0.00 | 12.63 -0.89 0.00 | 20.33 -1.58 0.00 | 16.61 -1.31 0.00 | 17.71 -1.33 0.00 | 5.99 -0.57 0.00 | 27.79 -2.66 0.00 | 39.16 -3.65 0.00 | 50.62 -5.37 0.00 | 56.21 -6.00 0.00 | 44.32 -4.59 0.00 | 35.98 -3.41 0.00 | 35.34 -2.76 0.00 |
| MOHAWK_PAPER___DRP 24187 | 39.87 1.13 0.00 | 40.67 1.15 0.00 | 40.49 1.05 0.00 | 40.46 1.01 0.00 | 40.38 1.01 0.00 | 39.37 1.04 0.00 | 48.84 1.43 0.00 | 57.77 1.87 0.00 | 46.18 1.47 0.00 | 38.99 1.22 0.00 | 31.92 0.92 -0.43 | 25.75 0.71 -0.38 | 13.86 0.34 0.00 | 22.45 0.54 0.00 | 18.40 0.48 0.00 | 21.02 0.51 -1.47 | 15.44 0.19 -8.69 | 34.89 0.91 -3.53 | 45.18 1.23 -1.15 | 57.71 1.73 0.00 | 64.06 1.86 0.00 | 50.41 1.50 0.00 | 40.61 1.21 0.00 | 39.31 1.22 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 40.62 1.87 0.00 | 41.30 1.78 0.00 | 41.31 1.87 0.00 | 41.32 1.87 0.00 | 41.30 1.94 0.00 | 40.35 2.03 0.00 | 50.20 2.80 0.00 | 59.31 3.41 0.00 | 47.23 2.53 0.00 | 39.74 1.97 0.00 | 32.13 1.16 -0.41 | 25.90 0.88 -0.35 | 13.90 0.38 0.00 | 22.49 0.58 0.00 | 18.44 0.52 0.00 | 21.00 0.58 -1.38 | 14.92 0.23 -8.14 | 35.16 1.41 -3.30 | 45.93 2.05 -1.08 | 59.11 3.13 0.00 | 65.49 3.29 0.00 | 51.39 2.48 0.00 | 41.38 1.99 0.00 | 40.08 1.98 0.00 |
| MONGAUP___HYD 23641 | 40.09 1.34 0.00 | 40.75 1.22 0.00 | 40.57 1.14 0.00 | 40.48 1.03 0.00 | 40.41 1.05 0.00 | 39.15 0.82 0.00 | 48.51 1.11 0.00 | 57.57 1.67 0.00 | 45.87 1.16 0.00 | 38.65 0.88 0.00 | 28.49 0.50 2.58 | 22.97 0.56 2.24 | 13.80 0.27 0.00 | 22.33 0.42 0.00 | 18.25 0.33 0.00 | 10.61 0.34 8.76 | -45.05 0.07 51.68 | 9.89 0.42 20.98 | 36.83 0.85 6.83 | 57.71 1.72 0.00 | 64.23 2.02 0.00 | 50.78 1.87 0.00 | 40.85 1.46 0.00 | 39.42 1.33 0.00 |
| MONTAUK___DIESEL 23721 | 40.32 1.57 0.00 | 41.14 1.62 0.00 | 40.77 1.33 0.00 | 40.38 0.93 0.00 | 40.31 0.94 0.00 | 38.48 0.15 0.00 | 47.91 0.50 0.00 | 56.52 0.62 0.00 | 39.90 0.02 4.82 | 25.30 0.46 12.93 | 23.16 1.09 8.50 | 13.90 0.95 11.71 | 13.03 0.50 0.99 | 22.67 0.76 0.00 | 18.53 0.62 0.01 | 25.02 0.73 -5.26 | 37.91 0.36 -31.00 | 41.24 0.19 -10.60 | 47.16 0.26 -4.09 | 56.97 0.99 0.00 | 62.94 0.74 0.00 | 49.89 0.97 0.00 | 40.45 1.06 0.00 | 38.78 0.69 0.00 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 36.95 -1.80 0.00 | 38.08 -1.44 0.00 | 38.23 -1.21 0.00 | 38.36 -1.09 0.00 | 38.70 -0.66 0.00 | 37.98 -0.35 0.00 | 47.05 -0.35 0.00 | 55.01 -0.89 0.00 | 44.13 -0.58 0.00 | 37.70 -0.07 0.00 | 30.46 -0.11 0.00 | 24.54 -0.12 0.00 | 13.64 0.11 0.00 | 21.98 0.07 0.00 | 17.96 0.04 0.00 | 19.04 0.01 0.00 | 6.37 -0.18 0.00 | 29.94 -0.51 0.00 | 42.42 -0.39 0.00 | 55.36 -0.62 0.00 | 61.58 -0.63 0.00 | 48.17 -0.74 0.00 | 38.70 -0.70 0.00 | 37.50 -0.60 0.00 |

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| MORRIS_RIDGE___SOLAR 323848 | 35.87 -2.88 0.00 | 36.77 -2.75 0.00 | 36.79 -2.65 0.00 | 37.02 -2.42 0.00 | 36.92 -2.44 0.00 | 36.08 -2.25 0.00 | 44.54 -2.86 0.00 | 52.32 -3.58 0.00 | 41.71 -2.99 0.00 | 35.15 -2.62 0.00 | 28.44 -2.13 0.00 | 22.92 -1.74 0.00 | 12.75 -0.77 0.00 | 20.61 -1.30 0.00 | 16.83 -1.09 0.00 | 17.87 -1.16 0.00 | 6.05 -0.51 0.00 | 28.61 -1.84 0.00 | 40.89 -1.91 0.00 | 53.46 -2.52 0.00 | 59.33 -2.87 0.00 | 46.59 -2.32 0.00 | 37.49 -1.90 0.00 | 36.41 -1.68 0.00 |
| MORTIMER_115KV_TB3 55949 | 37.09 -1.66 0.00 | 37.97 -1.56 0.00 | 37.91 -1.53 0.00 | 38.11 -1.33 0.00 | 38.10 -1.26 0.00 | 37.25 -1.08 0.00 | 45.87 -1.54 0.00 | 53.74 -2.16 0.00 | 43.01 -1.70 0.00 | 36.21 -1.56 0.00 | 29.15 -1.42 0.00 | 23.51 -1.15 0.00 | 12.94 -0.58 0.00 | 20.94 -0.97 0.00 | 17.11 -0.81 0.00 | 18.20 -0.83 0.00 | 6.21 -0.34 0.00 | 28.95 -1.49 0.00 | 40.91 -1.90 0.00 | 53.22 -2.77 0.00 | 59.09 -3.12 0.00 | 46.47 -2.45 0.00 | 37.45 -1.95 0.00 | 36.43 -1.67 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 39.96 1.21 0.00 | 40.56 1.04 0.00 | 40.37 0.93 0.00 | 40.26 0.82 0.00 | 40.25 0.88 0.00 | 39.20 0.87 0.00 | 48.90 1.50 0.00 | 58.34 2.44 0.00 | 46.73 2.02 0.00 | 39.57 1.80 0.00 | 33.64 1.53 -1.54 | 27.28 1.28 -1.34 | 14.23 0.71 0.00 | 23.01 1.10 0.00 | 18.83 0.91 0.00 | 25.23 0.96 -5.23 | 37.73 0.31 -30.86 | 44.31 1.33 -12.53 | 48.72 1.83 -4.08 | 58.35 2.37 0.00 | 64.80 2.59 0.00 | 50.88 1.97 0.00 | 41.07 1.68 0.00 | 39.71 1.62 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 40.71 1.96 0.00 | 41.01 1.49 0.00 | 40.90 1.46 0.00 | 40.92 1.48 0.00 | 40.76 1.40 0.00 | 40.11 1.78 0.00 | 49.98 2.57 0.00 | 58.95 3.05 0.00 | 46.28 1.57 0.00 | 38.37 0.60 0.00 | 30.51 -0.06 0.00 | 24.65 -0.01 0.00 | 13.66 0.14 0.00 | 22.29 0.38 0.00 | 18.23 0.31 0.00 | 19.35 0.31 0.00 | 6.67 0.11 0.00 | 31.70 1.26 0.00 | 45.44 2.63 0.00 | 59.70 3.72 0.00 | 65.92 3.71 0.00 | 51.00 2.09 0.00 | 40.67 1.28 0.00 | 39.26 1.16 0.00 |
| N SALMON___HYD 24042 | 40.52 1.77 0.00 | 41.40 1.88 0.00 | 41.49 2.05 0.00 | 41.56 2.12 0.00 | 41.44 2.08 0.00 | 40.30 1.97 0.00 | 49.66 2.26 0.00 | 58.22 2.32 0.00 | 46.61 1.91 0.00 | 39.33 1.56 0.00 | 31.82 1.25 0.00 | 25.56 0.90 0.00 | 13.99 0.47 0.00 | 22.66 0.75 0.00 | 18.54 0.63 0.00 | 19.75 0.72 0.00 | 6.83 0.28 0.00 | 31.72 1.27 0.00 | 44.60 1.80 0.00 | 58.25 2.26 0.00 | 64.82 2.62 0.00 | 50.93 2.01 0.00 | 40.85 1.45 0.00 | 39.22 1.13 0.00 |
| N.AKRON__115KV_KNAPP 355671 | 36.91 -1.83 0.00 | 37.83 -1.70 0.00 | 37.80 -1.64 0.00 | 38.08 -1.36 0.00 | 38.10 -1.26 0.00 | 37.36 -0.96 0.00 | 45.85 -1.56 0.00 | 53.41 -2.49 0.00 | 42.82 -1.89 0.00 | 36.03 -1.74 0.00 | 28.85 -1.72 0.00 | 23.25 -1.42 0.00 | 13.14 -0.38 0.00 | 20.79 -1.12 0.00 | 16.93 -0.98 0.00 | 18.04 -1.00 0.00 | 6.17 -0.39 0.00 | 28.56 -1.89 0.00 | 40.45 -2.36 0.00 | 52.57 -3.41 0.00 | 58.40 -3.80 0.00 | 45.97 -2.94 0.00 | 37.23 -2.16 0.00 | 36.42 -1.68 0.00 |
| N.BELMOR_69_KV_BK1 55787 | 40.23 1.49 0.00 | 40.82 1.30 0.00 | 40.56 1.12 0.00 | 40.41 0.97 0.00 | 40.29 0.92 0.00 | 39.11 0.79 0.00 | 48.75 1.34 0.00 | 58.16 2.26 0.00 | 46.39 1.68 0.00 | 39.29 1.52 0.00 | 33.47 1.35 -1.55 | 27.10 1.09 -1.35 | 14.11 0.59 0.00 | 22.82 0.91 0.00 | 18.68 0.77 0.00 | 25.11 0.81 -5.26 | 37.87 0.31 -31.00 | 44.38 1.35 -12.59 | 48.78 1.87 -4.09 | 58.52 2.54 0.00 | 64.80 2.60 0.00 | 50.86 1.95 0.00 | 41.18 1.79 0.00 | 39.80 1.70 0.00 |
| N.E_GEN_SANDY PD 24062 | 39.68 0.93 0.00 | 40.39 0.87 0.00 | 40.14 0.71 0.00 | 40.09 0.65 0.00 | 40.02 0.65 0.00 | 38.99 0.66 0.00 | 49.89 1.03 -1.46 | 57.34 1.43 0.00 | 46.36 1.19 -0.47 | 38.83 1.06 0.00 | 32.13 0.83 -0.73 | 25.95 0.66 -0.63 | 13.84 0.31 0.00 | 22.40 0.49 0.00 | 18.39 0.47 0.00 | 22.03 0.52 -2.48 | 21.35 0.17 -14.62 | 37.12 0.73 -5.94 | 45.07 0.92 -1.34 | 57.90 1.40 -0.52 | 61.16 1.45 2.49 | 50.09 1.18 0.00 | 40.39 1.00 0.00 | 39.11 1.01 0.00 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 39.58 0.84 0.00 | 40.23 0.70 0.00 | 40.07 0.63 0.00 | 39.94 0.49 0.00 | 39.87 0.50 0.00 | 38.84 0.51 0.00 | 48.45 1.04 0.00 | 57.71 1.81 0.00 | 46.12 1.41 0.00 | 39.02 1.25 0.00 | 28.66 1.04 2.96 | 22.97 0.88 2.57 | 14.00 0.48 0.00 | 22.65 0.74 0.00 | 18.53 0.62 0.00 | 9.64 0.65 10.04 | -52.45 0.21 59.22 | 7.29 0.89 24.05 | 36.23 1.24 7.82 | 57.78 1.79 0.00 | 64.21 2.00 0.00 | 50.39 1.48 0.00 | 40.62 1.23 0.00 | 39.21 1.12 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 40.11 1.36 0.00 | 40.59 1.06 0.00 | 40.51 1.07 0.00 | 40.41 0.97 0.00 | 40.25 0.89 0.00 | 39.22 0.89 0.00 | 48.93 1.53 0.00 | 58.45 2.54 0.00 | 46.91 2.21 0.00 | 39.72 1.95 0.00 | 33.74 1.63 -1.54 | 27.38 1.38 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.90 0.98 0.00 | 25.31 1.03 -5.24 | 37.76 0.33 -30.87 | 44.33 1.34 -12.54 | 48.75 1.87 -4.08 | 58.29 2.31 0.00 | 64.81 2.61 0.00 | 50.99 2.08 0.00 | 41.19 1.80 0.00 | 39.64 1.54 -0.01 |
| N.TROY___115KV_TB1 355778 | 39.82 1.08 0.00 | 40.58 1.06 0.00 | 40.37 0.94 0.00 | 40.36 0.92 0.00 | 40.29 0.93 0.00 | 39.29 0.96 0.00 | 48.72 1.32 0.00 | 57.60 1.70 0.00 | 46.05 1.34 0.00 | 38.87 1.10 0.00 | 31.75 0.75 -0.44 | 25.60 0.56 -0.38 | 13.77 0.25 0.00 | 22.31 0.40 0.00 | 18.30 0.38 0.00 | 20.93 0.41 -1.48 | 15.45 0.15 -8.74 | 34.77 0.77 -3.55 | 45.01 1.05 -1.16 | 57.56 1.57 0.00 | 63.85 1.65 0.00 | 50.21 1.30 0.00 | 40.47 1.08 0.00 | 39.20 1.10 0.00 |
| NARROWS_GT1_1 24228 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT1_2 24229 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT1_3 24230 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT1_4 24231 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| NARROWS_GT1_5 24232 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT1_6 24233 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT1_7 24234 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT1_8 24235 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT2_1 24236 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT2_2 24237 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT2_3 24238 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT2_4 24239 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT2_5 24240 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT2_6 24241 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT2_7 24242 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NARROWS_GT2_8 24243 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 40.42 1.67 0.00 | 41.45 1.92 0.00 | 41.35 1.91 0.00 | 41.34 1.90 0.00 | 41.28 1.91 0.00 | 40.29 1.96 0.00 | 50.09 2.69 0.00 | 59.26 3.36 0.00 | 47.27 2.56 0.00 | 39.60 1.83 0.00 | 32.17 1.30 -0.30 | 25.94 1.02 -0.26 | 13.85 0.33 0.00 | 22.31 0.39 0.00 | 18.32 0.40 0.00 | 20.57 0.51 -1.02 | 12.83 0.24 -6.04 | 34.23 1.33 -2.45 | 45.77 2.16 -0.80 | 59.11 3.13 0.00 | 65.57 3.36 0.00 | 51.52 2.61 0.00 | 41.44 2.05 0.00 | 40.08 1.99 0.00 |
| NCHELSEA_115KV_TR2 355582 | 40.01 1.27 0.00 | 40.68 1.16 0.00 | 40.48 1.05 0.00 | 40.38 0.93 0.00 | 40.31 0.95 0.00 | 39.30 0.97 0.00 | 49.06 1.65 0.00 | 58.50 2.60 0.00 | 46.75 2.05 0.00 | 39.47 1.70 0.00 | 31.95 1.38 0.00 | 25.80 1.14 0.00 | 14.13 0.61 0.00 | 22.85 0.94 0.00 | 18.69 0.77 0.00 | 19.86 0.83 0.00 | 6.84 0.29 0.00 | 31.75 1.31 0.00 | 44.65 1.84 0.00 | 58.57 2.58 0.00 | 65.04 2.83 0.00 | 51.06 2.15 0.00 | 41.13 1.74 0.00 | 39.71 1.61 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 40.30 1.56 0.00 | 41.05 1.53 0.00 | 40.89 1.46 0.00 | 40.88 1.44 0.00 | 40.83 1.46 0.00 | 39.85 1.52 0.00 | 49.50 2.09 0.00 | 58.52 2.62 0.00 | 46.68 1.98 0.00 | 39.34 1.57 0.00 | 32.04 1.06 -0.41 | 25.83 0.80 -0.36 | 13.90 0.38 0.00 | 22.51 0.60 0.00 | 18.44 0.53 0.00 | 21.00 0.55 -1.41 | 15.06 0.22 -8.28 | 35.00 1.19 -3.36 | 45.63 1.72 -1.09 | 58.47 2.48 0.00 | 64.84 2.63 0.00 | 50.94 2.02 0.00 | 40.99 1.59 0.00 | 39.66 1.56 0.00 |

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| NEG CENTRAL_HIGH_ACRES 23767 | 36.68 -2.07 0.00 | 37.52 -2.00 0.00 | 37.47 -1.97 0.00 | 37.64 -1.80 0.00 | 37.61 -1.75 0.00 | 36.79 -1.54 0.00 | 45.41 -2.00 0.00 | 53.35 -2.55 0.00 | 42.66 -2.04 0.00 | 35.88 -1.89 0.00 | 28.87 -1.70 0.00 | 23.28 -1.38 0.00 | 12.78 -0.74 0.00 | 20.71 -1.20 0.00 | 16.91 -1.01 0.00 | 17.98 -1.05 0.00 | 6.15 -0.40 0.00 | 28.68 -1.77 0.00 | 40.51 -2.30 0.00 | 52.79 -3.20 0.00 | 58.58 -3.62 0.00 | 46.02 -2.90 0.00 | 37.06 -2.33 0.00 | 36.01 -2.08 0.00 |
| NEG CENTRAL___DRP 24199 | 37.76 -0.98 0.00 | 38.54 -0.98 0.00 | 38.47 -0.97 0.00 | 38.55 -0.90 0.00 | 38.54 -0.82 0.00 | 37.68 -0.65 0.00 | 46.72 -0.69 0.00 | 54.97 -0.93 0.00 | 43.81 -0.89 0.00 | 36.80 -0.97 0.00 | 29.61 -0.96 0.00 | 23.83 -0.83 0.00 | 13.09 -0.43 0.00 | 21.20 -0.71 0.00 | 17.31 -0.60 0.00 | 18.38 -0.66 0.00 | 6.29 -0.26 0.00 | 29.51 -0.94 0.00 | 41.87 -0.94 0.00 | 54.83 -1.15 0.00 | 60.84 -1.37 0.00 | 47.78 -1.13 0.00 | 38.41 -0.99 0.00 | 37.20 -0.90 0.00 |
| NEG CENTRAL___INDECK 23768 | 37.74 -1.01 0.00 | 38.59 -0.94 0.00 | 38.55 -0.89 0.00 | 38.81 -0.63 0.00 | 38.81 -0.55 0.00 | 38.02 -0.31 0.00 | 47.07 -0.33 0.00 | 55.33 -0.58 0.00 | 44.05 -0.66 0.00 | 36.51 -1.26 0.00 | 29.41 -1.17 0.00 | 23.66 -1.00 0.00 | 13.06 -0.46 0.00 | 21.14 -0.77 0.00 | 17.26 -0.66 0.00 | 18.34 -0.70 0.00 | 6.26 -0.30 0.00 | 29.36 -1.08 0.00 | 41.94 -0.86 0.00 | 55.44 -0.54 0.00 | 61.67 -0.54 0.00 | 48.40 -0.51 0.00 | 38.86 -0.54 0.00 | 37.66 -0.44 0.00 |
| NEG CENTRAL___SENECA 23627 | 37.77 -0.98 0.00 | 38.55 -0.97 0.00 | 38.47 -0.97 0.00 | 38.58 -0.87 0.00 | 38.58 -0.78 0.00 | 37.78 -0.55 0.00 | 46.86 -0.55 0.00 | 55.05 -0.85 0.00 | 43.87 -0.84 0.00 | 36.82 -0.95 0.00 | 29.59 -0.98 0.00 | 23.80 -0.87 0.00 | 13.09 -0.43 0.00 | 21.19 -0.72 0.00 | 17.30 -0.62 0.00 | 18.37 -0.67 0.00 | 6.27 -0.28 0.00 | 29.51 -0.94 0.00 | 41.97 -0.84 0.00 | 54.94 -1.04 0.00 | 60.94 -1.26 0.00 | 47.86 -1.05 0.00 | 38.45 -0.94 0.00 | 37.25 -0.85 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 38.04 -0.70 0.00 | 38.82 -0.71 0.00 | 38.74 -0.69 0.00 | 38.79 -0.65 0.00 | 38.75 -0.62 0.00 | 37.84 -0.49 0.00 | 46.88 -0.52 0.00 | 55.26 -0.65 0.00 | 44.03 -0.67 0.00 | 36.97 -0.80 0.00 | 29.80 -0.77 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.33 -0.58 0.00 | 17.42 -0.50 0.00 | 18.48 -0.55 0.00 | 6.36 -0.20 0.00 | 29.69 -0.76 0.00 | 42.04 -0.77 0.00 | 55.06 -0.93 0.00 | 61.13 -1.08 0.00 | 47.97 -0.94 0.00 | 38.59 -0.80 0.00 | 37.38 -0.72 0.00 |
| NEG MILLWOOD___DRP 24198 | 40.12 1.37 0.00 | 40.77 1.25 0.00 | 40.58 1.14 0.00 | 40.46 1.02 0.00 | 40.41 1.05 0.00 | 39.42 1.09 0.00 | 49.20 1.79 0.00 | 58.64 2.74 0.00 | 46.87 2.16 0.00 | 39.60 1.83 0.00 | 32.74 1.50 -0.67 | 26.47 1.23 -0.58 | 14.18 0.66 0.00 | 22.94 1.02 0.00 | 18.76 0.85 0.00 | 22.21 0.90 -2.27 | 20.22 0.30 -13.36 | 37.26 1.38 -5.43 | 46.51 1.94 -1.76 | 58.66 2.68 0.00 | 65.12 2.91 0.00 | 51.13 2.22 0.00 | 41.19 1.80 0.00 | 39.76 1.67 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 41.21 2.46 0.00 | 42.03 2.51 0.00 | 42.23 2.79 0.00 | 42.31 2.87 0.00 | 42.14 2.77 0.00 | 40.88 2.55 0.00 | 50.21 2.80 0.00 | 58.88 2.98 0.00 | 47.09 2.38 0.00 | 39.78 2.01 0.00 | 32.22 1.65 0.00 | 25.97 1.30 0.00 | 14.18 0.66 0.00 | 22.95 1.04 0.00 | 18.86 0.95 0.00 | 20.09 1.06 0.00 | 6.89 0.33 0.00 | 31.98 1.53 0.00 | 44.88 2.07 0.00 | 58.61 2.63 0.00 | 64.93 2.72 0.00 | 50.57 1.65 0.00 | 40.59 1.20 0.00 | 39.28 1.19 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 40.24 1.50 0.00 | 41.12 1.60 0.00 | 41.18 1.74 0.00 | 41.27 1.82 0.00 | 41.14 1.77 0.00 | 39.97 1.64 0.00 | 49.16 1.76 0.00 | 57.63 1.73 0.00 | 46.08 1.38 0.00 | 38.94 1.17 0.00 | 31.51 0.94 0.00 | 25.37 0.71 0.00 | 13.89 0.37 0.00 | 22.52 0.61 0.00 | 18.45 0.53 0.00 | 19.64 0.60 0.00 | 6.78 0.22 0.00 | 31.45 1.00 0.00 | 44.20 1.39 0.00 | 57.69 1.71 0.00 | 64.14 1.94 0.00 | 50.34 1.42 0.00 | 40.38 0.99 0.00 | 38.82 0.73 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 41.19 2.45 0.00 | 42.05 2.52 0.00 | 42.22 2.78 0.00 | 42.28 2.84 0.00 | 42.12 2.76 0.00 | 40.90 2.57 0.00 | 50.27 2.87 0.00 | 58.99 3.09 0.00 | 47.15 2.45 0.00 | 39.82 2.05 0.00 | 32.22 1.65 0.00 | 25.92 1.26 0.00 | 14.16 0.64 0.00 | 22.93 1.02 0.00 | 18.82 0.90 0.00 | 20.05 1.02 0.00 | 6.89 0.34 0.00 | 32.02 1.57 0.00 | 45.02 2.21 0.00 | 58.82 2.83 0.00 | 65.21 3.00 0.00 | 50.88 1.97 0.00 | 40.81 1.42 0.00 | 39.38 1.28 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 41.19 2.45 0.00 | 42.05 2.52 0.00 | 42.22 2.78 0.00 | 42.28 2.84 0.00 | 42.12 2.76 0.00 | 40.90 2.57 0.00 | 50.27 2.87 0.00 | 58.99 3.09 0.00 | 47.15 2.45 0.00 | 39.82 2.05 0.00 | 32.22 1.65 0.00 | 25.92 1.26 0.00 | 14.16 0.64 0.00 | 22.93 1.02 0.00 | 18.82 0.90 0.00 | 20.05 1.02 0.00 | 6.89 0.34 0.00 | 32.02 1.57 0.00 | 45.02 2.21 0.00 | 58.82 2.83 0.00 | 65.21 3.00 0.00 | 50.88 1.97 0.00 | 40.81 1.42 0.00 | 39.38 1.28 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 41.20 2.45 0.00 | 42.05 2.52 0.00 | 42.22 2.78 0.00 | 42.28 2.84 0.00 | 42.12 2.75 0.00 | 40.90 2.57 0.00 | 50.27 2.87 0.00 | 58.99 3.08 0.00 | 47.15 2.45 0.00 | 39.82 2.05 0.00 | 32.22 1.65 0.00 | 25.92 1.26 0.00 | 14.16 0.64 0.00 | 22.93 1.02 0.00 | 18.82 0.90 0.00 | 20.05 1.02 0.00 | 6.89 0.34 0.00 | 32.02 1.57 0.00 | 45.02 2.21 0.00 | 58.82 2.83 0.00 | 65.21 3.01 0.00 | 50.88 1.97 0.00 | 40.81 1.42 0.00 | 39.38 1.28 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 36.05 -2.70 0.00 | 36.98 -2.54 0.00 | 36.97 -2.47 0.00 | 37.27 -2.17 0.00 | 37.27 -2.10 0.00 | 36.50 -1.83 0.00 | 44.63 -2.78 0.00 | 51.82 -4.08 0.00 | 41.66 -3.05 0.00 | 35.24 -2.53 0.00 | 28.34 -2.23 0.00 | 22.89 -1.77 0.00 | 12.74 -0.78 0.00 | 20.49 -1.42 0.00 | 16.74 -1.18 0.00 | 17.84 -1.19 0.00 | 6.03 -0.52 0.00 | 28.05 -2.40 0.00 | 39.59 -3.22 0.00 | 51.22 -4.76 0.00 | 56.88 -5.32 0.00 | 44.84 -4.07 0.00 | 36.35 -3.04 0.00 | 35.63 -2.47 0.00 |
| NEG WEST___LANCASTR 23811 | 37.55 -1.20 0.00 | 38.49 -1.04 0.00 | 38.37 -1.07 0.00 | 38.65 -0.80 0.00 | 38.65 -0.72 0.00 | 37.73 -0.61 0.00 | 46.29 -1.12 0.00 | 54.10 -1.80 0.00 | 43.39 -1.32 0.00 | 36.79 -0.98 0.00 | 29.62 -0.95 0.00 | 23.93 -0.73 0.00 | 13.27 -0.25 0.00 | 21.42 -0.49 0.00 | 17.50 -0.42 0.00 | 18.63 -0.40 0.00 | 6.28 -0.28 0.00 | 29.29 -1.16 0.00 | 41.34 -1.47 0.00 | 53.64 -2.34 0.00 | 59.61 -2.60 0.00 | 46.85 -2.06 0.00 | 37.82 -1.57 0.00 | 36.91 -1.19 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 38.11 -0.63 0.00 | 38.84 -0.69 0.00 | 38.71 -0.73 0.00 | 38.72 -0.72 0.00 | 38.68 -0.69 0.00 | 37.78 -0.55 0.00 | 46.84 -0.57 0.00 | 55.31 -0.59 0.00 | 44.09 -0.61 0.00 | 37.23 -0.54 0.00 | 30.06 -0.51 0.00 | 24.25 -0.41 0.00 | 13.36 -0.16 0.00 | 21.62 -0.30 0.00 | 17.65 -0.27 0.00 | 18.74 -0.30 0.00 | 6.39 -0.16 0.00 | 29.92 -0.53 0.00 | 42.28 -0.53 0.00 | 55.37 -0.61 0.00 | 61.46 -0.75 0.00 | 48.16 -0.75 0.00 | 38.73 -0.66 0.00 | 37.49 -0.61 0.00 |
| NEG___GEN_MONROE 24207 | 37.37 -1.38 0.00 | 38.25 -1.28 0.00 | 38.18 -1.26 0.00 | 38.38 -1.06 0.00 | 38.39 -0.98 0.00 | 37.65 -0.68 0.00 | 46.34 -1.06 0.00 | 54.25 -1.66 0.00 | 43.34 -1.37 0.00 | 36.40 -1.36 0.00 | 29.23 -1.34 0.00 | 23.54 -1.12 0.00 | 12.97 -0.55 0.00 | 20.95 -0.95 0.00 | 17.11 -0.81 0.00 | 18.21 -0.83 0.00 | 6.22 -0.34 0.00 | 28.99 -1.46 0.00 | 41.08 -1.72 0.00 | 53.55 -2.43 0.00 | 59.46 -2.75 0.00 | 46.75 -2.17 0.00 | 37.68 -1.71 0.00 | 36.68 -1.42 0.00 |

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| NEPA___ENERGY 23901 | 36.99 -1.75 0.00 | 37.88 -1.64 0.00 | 37.81 -1.63 0.00 | 37.89 -1.55 0.00 | 38.04 -1.32 0.00 | 37.33 -1.00 0.00 | 46.10 -1.31 0.00 | 54.10 -1.80 0.00 | 43.18 -1.52 0.00 | 36.65 -1.12 0.00 | 29.52 -1.05 0.00 | 23.81 -0.85 0.00 | 13.25 -0.27 0.00 | 21.37 -0.54 0.00 | 17.47 -0.44 0.00 | 18.55 -0.48 0.00 | 6.19 -0.37 0.00 | 29.18 -1.27 0.00 | 41.33 -1.48 0.00 | 54.00 -1.98 0.00 | 60.04 -2.17 0.00 | 46.95 -1.97 0.00 | 37.72 -1.68 0.00 | 36.64 -1.46 0.00 |
| NEVERSink___HYD 23608 | 40.45 1.71 0.00 | 41.11 1.59 0.00 | 40.94 1.50 0.00 | 40.84 1.40 0.00 | 40.83 1.46 0.00 | 39.85 1.52 0.00 | 49.71 2.30 0.00 | 58.95 3.04 0.00 | 47.03 2.32 0.00 | 39.66 1.88 0.00 | 31.13 1.45 0.88 | 25.02 1.12 0.77 | 14.15 0.63 0.00 | 22.94 1.03 0.00 | 18.71 0.79 0.00 | 16.77 0.74 3.00 | -10.86 0.27 17.68 | 24.59 1.32 7.18 | 42.47 2.00 2.34 | 58.79 2.81 0.00 | 65.26 3.05 0.00 | 51.20 2.29 0.00 | 41.21 1.82 0.00 | 39.81 1.72 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 39.80 1.06 0.00 | 40.63 1.11 0.00 | 40.46 1.02 0.00 | 40.44 1.00 0.00 | 40.36 0.99 0.00 | 39.34 1.01 0.00 | 48.80 1.40 0.00 | 57.72 1.82 0.00 | 46.15 1.45 0.00 | 38.97 1.20 0.00 | 31.94 0.94 -0.43 | 25.77 0.74 -0.37 | 13.88 0.36 0.00 | 22.49 0.58 0.00 | 18.42 0.50 0.00 | 21.03 0.54 -1.45 | 15.33 0.19 -8.57 | 34.85 0.92 -3.48 | 45.17 1.23 -1.13 | 57.70 1.72 0.00 | 64.04 1.83 0.00 | 50.37 1.46 0.00 | 40.58 1.19 0.00 | 39.29 1.20 0.00 |
| NEWTON___FALLS_HYD 23847 | 39.31 0.56 0.00 | 39.93 0.41 0.00 | 40.14 0.71 0.00 | 40.29 0.85 0.00 | 40.08 0.72 0.00 | 38.88 0.55 0.00 | 48.19 0.79 0.00 | 56.61 0.71 0.00 | 45.23 0.52 0.00 | 37.88 0.11 0.00 | 30.51 -0.06 0.00 | 24.48 -0.18 0.00 | 13.36 -0.16 0.00 | 21.65 -0.26 0.00 | 17.71 -0.21 0.00 | 18.91 -0.12 0.00 | 6.62 0.06 0.00 | 30.91 0.46 0.00 | 43.69 0.88 0.00 | 57.27 1.29 0.00 | 63.61 1.40 0.00 | 49.80 0.89 0.00 | 39.95 0.56 0.00 | 38.25 0.16 0.00 |
| NGRID_A1_DSASP 323792 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.84 -2.53 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.02 -4.87 0.00 | 41.04 -3.67 0.00 | 34.78 -2.99 0.00 | 28.00 -2.57 0.00 | 22.66 -2.01 0.00 | 12.58 -0.94 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.77 -2.68 0.00 | 39.05 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.33 0.00 | 44.08 -4.84 0.00 | 35.74 -3.66 0.00 | 35.02 -3.07 0.00 |
| NGRID_A2_DSASP 323793 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.84 -2.53 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.02 -4.87 0.00 | 41.04 -3.67 0.00 | 34.78 -2.99 0.00 | 28.00 -2.57 0.00 | 22.66 -2.01 0.00 | 12.58 -0.94 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.77 -2.68 0.00 | 39.05 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.33 0.00 | 44.08 -4.84 0.00 | 35.74 -3.66 0.00 | 35.02 -3.07 0.00 |
| NGRID_A4_DSASP 323807 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.84 -2.53 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.02 -4.87 0.00 | 41.04 -3.67 0.00 | 34.78 -2.99 0.00 | 28.00 -2.57 0.00 | 22.66 -2.01 0.00 | 12.58 -0.94 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.77 -2.68 0.00 | 39.05 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.33 0.00 | 44.08 -4.84 0.00 | 35.74 -3.66 0.00 | 35.02 -3.07 0.00 |
| NIAGARA_115E_LBMP 323715 | 35.63 -3.12 0.00 | 36.49 -3.04 0.00 | 36.49 -2.95 0.00 | 36.80 -2.65 0.00 | 36.79 -2.58 0.00 | 36.03 -2.30 0.00 | 44.00 -3.41 0.00 | 50.96 -4.95 0.00 | 41.00 -3.70 0.00 | 34.72 -3.05 0.00 | 27.96 -2.61 0.00 | 22.60 -2.06 0.00 | 12.57 -0.95 0.00 | 20.24 -1.67 0.00 | 16.54 -1.37 0.00 | 17.63 -1.40 0.00 | 5.96 -0.59 0.00 | 27.64 -2.81 0.00 | 38.92 -3.88 0.00 | 50.26 -5.73 0.00 | 55.81 -6.40 0.00 | 44.03 -4.88 0.00 | 35.77 -3.62 0.00 | 35.16 -2.94 0.00 |
| NIAGARA_115W_LBMP 323714 | 35.52 -3.23 0.00 | 36.49 -3.04 0.00 | 36.47 -2.97 0.00 | 36.78 -2.66 0.00 | 36.77 -2.60 0.00 | 36.01 -2.32 0.00 | 43.93 -3.48 0.00 | 50.92 -4.98 0.00 | 40.95 -3.75 0.00 | 34.70 -3.07 0.00 | 27.94 -2.63 0.00 | 22.61 -2.05 0.00 | 12.55 -0.97 0.00 | 20.25 -1.66 0.00 | 16.54 -1.37 0.00 | 17.66 -1.37 0.00 | 5.97 -0.59 0.00 | 27.70 -2.74 0.00 | 38.98 -3.83 0.00 | 50.22 -5.76 0.00 | 55.76 -6.45 0.00 | 43.99 -4.93 0.00 | 35.66 -3.73 0.00 | 34.96 -3.14 0.00 |
| NIAGARA_230_LBMP 323716 | 35.86 -2.89 0.00 | 36.81 -2.71 0.00 | 36.78 -2.66 0.00 | 37.09 -2.35 0.00 | 37.06 -2.30 0.00 | 36.29 -2.04 0.00 | 44.32 -3.09 0.00 | 51.45 -4.45 0.00 | 41.37 -3.33 0.00 | 35.04 -2.73 0.00 | 28.23 -2.34 0.00 | 22.82 -1.84 0.00 | 12.67 -0.85 0.00 | 20.44 -1.47 0.00 | 16.70 -1.22 0.00 | 17.82 -1.22 0.00 | 6.02 -0.54 0.00 | 27.96 -2.49 0.00 | 39.35 -3.46 0.00 | 50.78 -5.20 0.00 | 56.39 -5.81 0.00 | 44.47 -4.45 0.00 | 36.01 -3.38 0.00 | 35.27 -2.83 0.00 |
| NIAGARA___115KV_198_GIBSON 55903 | 35.52 -3.23 0.00 | 36.49 -3.03 0.00 | 36.47 -2.97 0.00 | 36.79 -2.66 0.00 | 36.79 -2.58 0.00 | 36.01 -2.32 0.00 | 43.92 -3.48 0.00 | 50.92 -4.98 0.00 | 40.95 -3.76 0.00 | 34.72 -3.05 0.00 | 27.95 -2.62 0.00 | 22.61 -2.05 0.00 | 12.55 -0.97 0.00 | 20.25 -1.66 0.00 | 16.55 -1.37 0.00 | 17.66 -1.37 0.00 | 5.97 -0.59 0.00 | 27.68 -2.77 0.00 | 38.96 -3.85 0.00 | 50.21 -5.77 0.00 | 55.76 -6.45 0.00 | 44.00 -4.92 0.00 | 35.67 -3.73 0.00 | 34.96 -3.14 0.00 |
| NIAGARA___ 23760 | 35.86 -2.89 0.00 | 36.81 -2.71 0.00 | 36.78 -2.66 0.00 | 37.09 -2.35 0.00 | 37.06 -2.30 0.00 | 36.29 -2.04 0.00 | 44.32 -3.09 0.00 | 51.45 -4.45 0.00 | 41.37 -3.33 0.00 | 35.04 -2.73 0.00 | 28.23 -2.34 0.00 | 22.82 -1.84 0.00 | 12.67 -0.85 0.00 | 20.44 -1.47 0.00 | 16.70 -1.22 0.00 | 17.82 -1.22 0.00 | 6.02 -0.54 0.00 | 27.96 -2.49 0.00 | 39.35 -3.46 0.00 | 50.78 -5.20 0.00 | 56.39 -5.81 0.00 | 44.47 -4.45 0.00 | 36.01 -3.38 0.00 | 35.27 -2.83 0.00 |
| NINE_MILE_1 23575 | 37.08 -1.67 0.00 | 37.85 -1.68 0.00 | 37.79 -1.64 0.00 | 37.82 -1.62 0.00 | 37.75 -1.62 0.00 | 36.75 -1.58 0.00 | 45.40 -2.00 0.00 | 53.51 -2.39 0.00 | 42.74 -1.96 0.00 | 36.08 -1.69 0.00 | 29.25 -1.33 0.00 | 23.59 -1.07 0.00 | 12.94 -0.59 0.00 | 20.96 -0.94 0.00 | 17.13 -0.79 0.00 | 18.19 -0.84 0.00 | 6.26 -0.30 0.00 | 29.06 -1.39 0.00 | 40.87 -1.93 0.00 | 53.45 -2.53 0.00 | 59.36 -2.85 0.00 | 46.63 -2.28 0.00 | 37.56 -1.83 0.00 | 36.40 -1.70 0.00 |
| NINE_MILE_2 23744 | 37.08 -1.67 0.00 | 37.85 -1.68 0.00 | 37.79 -1.64 0.00 | 37.83 -1.62 0.00 | 37.75 -1.62 0.00 | 36.75 -1.58 0.00 | 45.40 -2.00 0.00 | 53.51 -2.39 0.00 | 42.75 -1.96 0.00 | 36.08 -1.69 0.00 | 29.25 -1.33 0.00 | 23.60 -1.07 0.00 | 12.94 -0.58 0.00 | 20.97 -0.94 0.00 | 17.13 -0.78 0.00 | 18.19 -0.84 0.00 | 6.26 -0.30 0.00 | 29.06 -1.39 0.00 | 40.88 -1.92 0.00 | 53.46 -2.53 0.00 | 59.36 -2.85 0.00 | 46.63 -2.28 0.00 | 37.56 -1.83 0.00 | 36.40 -1.70 0.00 |
| NM_CAPITAL___DRP 24208 | 39.73 0.99 0.00 | 40.55 1.03 0.00 | 40.38 0.94 0.00 | 40.35 0.91 0.00 | 40.27 0.90 0.00 | 39.25 0.92 0.00 | 48.66 1.26 0.00 | 57.55 1.65 0.00 | 46.02 1.32 0.00 | 38.88 1.12 0.00 | 31.88 0.87 -0.44 | 25.73 0.68 -0.38 | 13.85 0.33 0.00 | 22.44 0.52 0.00 | 18.39 0.47 0.00 | 21.02 0.50 -1.49 | 15.51 0.18 -8.77 | 34.85 0.84 -3.56 | 45.06 1.10 -1.16 | 57.52 1.54 0.00 | 63.84 1.64 0.00 | 50.24 1.33 0.00 | 40.49 1.09 0.00 | 39.21 1.12 0.00 |

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| NM_CENTRAL___DRP 24181 | 37.64 -1.11 0.00 | 38.41 -1.12 0.00 | 38.34 -1.09 0.00 | 38.38 -1.07 0.00 | 38.32 -1.04 0.00 | 37.35 -0.98 0.00 | 46.23 -1.18 0.00 | 54.53 -1.37 0.00 | 43.52 -1.19 0.00 | 36.67 -1.10 0.00 | 29.66 -0.91 0.00 | 23.92 -0.74 0.00 | 13.12 -0.40 0.00 | 21.26 -0.66 0.00 | 17.36 -0.56 0.00 | 18.42 -0.61 0.00 | 6.33 -0.23 0.00 | 29.46 -0.98 0.00 | 41.51 -1.29 0.00 | 54.32 -1.66 0.00 | 60.29 -1.92 0.00 | 47.34 -1.57 0.00 | 38.16 -1.23 0.00 | 36.97 -1.13 0.00 |
| NM_FRONTIER___DRP 24179 | 35.52 -3.23 0.00 | 36.49 -3.03 0.00 | 36.47 -2.97 0.00 | 36.79 -2.66 0.00 | 36.79 -2.58 0.00 | 36.01 -2.32 0.00 | 43.92 -3.48 0.00 | 50.92 -4.98 0.00 | 40.95 -3.76 0.00 | 34.72 -3.05 0.00 | 27.95 -2.62 0.00 | 22.61 -2.05 0.00 | 12.55 -0.97 0.00 | 20.25 -1.66 0.00 | 16.55 -1.37 0.00 | 17.66 -1.37 0.00 | 5.97 -0.59 0.00 | 27.68 -2.77 0.00 | 38.96 -3.85 0.00 | 50.21 -5.77 0.00 | 55.76 -6.45 0.00 | 44.00 -4.92 0.00 | 35.67 -3.73 0.00 | 34.96 -3.14 0.00 |
| NM_ST_REGIS___HYD 24053 | 40.01 1.26 0.00 | 40.86 1.33 0.00 | 40.96 1.53 0.00 | 41.06 1.62 0.00 | 40.93 1.57 0.00 | 39.80 1.47 0.00 | 49.05 1.64 0.00 | 57.43 1.53 0.00 | 45.97 1.26 0.00 | 38.72 0.95 0.00 | 31.25 0.67 0.00 | 25.14 0.48 0.00 | 13.76 0.24 0.00 | 22.30 0.39 0.00 | 18.25 0.33 0.00 | 19.46 0.42 0.00 | 6.76 0.20 0.00 | 31.38 0.93 0.00 | 44.16 1.35 0.00 | 57.68 1.70 0.00 | 64.21 2.00 0.00 | 50.52 1.60 0.00 | 40.58 1.18 0.00 | 38.99 0.89 0.00 |
| NORTHPORT___1 23551 | 40.11 1.36 0.00 | 40.68 1.16 0.00 | 40.46 1.02 0.00 | 40.28 0.84 0.00 | 40.15 0.79 0.00 | 38.80 0.46 0.00 | 48.22 0.82 0.00 | 57.59 1.69 0.00 | 45.98 1.28 0.00 | 39.08 1.31 0.00 | 33.36 1.25 -1.55 | 27.05 1.04 -1.35 | 14.06 0.54 0.00 | 22.70 0.79 0.00 | 18.58 0.66 0.00 | 24.99 0.71 -5.26 | 37.84 0.28 -31.00 | 44.28 1.24 -12.59 | 48.60 1.70 -4.09 | 58.16 2.18 0.00 | 64.31 2.10 0.00 | 50.49 1.58 0.00 | 40.97 1.58 0.00 | 39.62 1.52 0.00 |
| NORTHPORT___2 23552 | 40.11 1.36 0.00 | 40.68 1.16 0.00 | 40.46 1.02 0.00 | 40.28 0.84 0.00 | 40.15 0.79 0.00 | 38.80 0.46 0.00 | 48.22 0.82 0.00 | 57.59 1.69 0.00 | 45.98 1.28 0.00 | 39.08 1.31 0.00 | 33.36 1.25 -1.55 | 27.05 1.04 -1.35 | 14.06 0.54 0.00 | 22.70 0.79 0.00 | 18.58 0.66 0.00 | 24.99 0.71 -5.26 | 37.84 0.28 -31.00 | 44.28 1.24 -12.59 | 48.60 1.70 -4.09 | 58.16 2.18 0.00 | 64.31 2.10 0.00 | 50.49 1.58 0.00 | 40.97 1.58 0.00 | 39.62 1.52 0.00 |
| NORTHPORT___3 23553 | 40.04 1.29 0.00 | 40.64 1.12 0.00 | 40.39 0.95 0.00 | 40.21 0.77 0.00 | 40.06 0.70 0.00 | 38.73 0.40 0.00 | 48.10 0.70 0.00 | 57.41 1.51 0.00 | 45.97 1.01 -0.24 | 39.40 0.98 -0.66 | 33.67 1.04 -2.06 | 27.50 0.83 -2.01 | 14.02 0.45 -0.05 | 22.64 0.73 0.00 | 18.54 0.63 0.00 | 24.95 0.66 -5.26 | 37.81 0.25 -31.00 | 44.21 1.07 -12.69 | 48.37 1.46 -4.09 | 57.85 1.87 0.00 | 63.93 1.73 0.00 | 50.17 1.25 0.00 | 40.74 1.35 0.00 | 39.48 1.38 0.00 |
| NORTHPORT___4 23650 | 40.04 1.29 0.00 | 40.64 1.12 0.00 | 40.39 0.95 0.00 | 40.21 0.77 0.00 | 40.06 0.70 0.00 | 38.73 0.40 0.00 | 48.10 0.70 0.00 | 57.41 1.51 0.00 | 45.97 1.01 -0.24 | 39.40 0.98 -0.66 | 33.67 1.04 -2.06 | 27.50 0.83 -2.01 | 14.02 0.45 -0.05 | 22.64 0.73 0.00 | 18.54 0.63 0.00 | 24.95 0.66 -5.26 | 37.81 0.25 -31.00 | 44.21 1.07 -12.69 | 48.37 1.46 -4.09 | 57.85 1.87 0.00 | 63.93 1.73 0.00 | 50.17 1.25 0.00 | 40.74 1.35 0.00 | 39.48 1.38 0.00 |
| NORTHPORT___IC 23718 | 40.11 1.36 0.00 | 40.69 1.16 0.00 | 40.46 1.03 0.00 | 40.28 0.84 0.00 | 40.13 0.76 0.00 | 38.80 0.47 0.00 | 48.23 0.83 0.00 | 57.59 1.69 0.00 | 45.98 1.28 0.00 | 39.07 1.30 0.00 | 33.36 1.25 -1.55 | 27.05 1.04 -1.35 | 14.06 0.54 0.00 | 22.70 0.79 0.00 | 18.58 0.66 0.00 | 24.99 0.70 -5.26 | 37.84 0.28 -31.00 | 44.28 1.24 -12.59 | 48.60 1.70 -4.09 | 58.16 2.18 0.00 | 64.32 2.11 0.00 | 50.49 1.57 0.00 | 40.97 1.58 0.00 | 39.62 1.52 0.00 |
| NORTH___COUNTRY_ESR 323785 | 40.08 1.33 0.00 | 40.94 1.42 0.00 | 41.02 1.58 0.00 | 41.09 1.65 0.00 | 40.96 1.59 0.00 | 39.78 1.45 0.00 | 48.92 1.52 0.00 | 57.34 1.43 0.00 | 45.92 1.22 0.00 | 38.84 1.07 0.00 | 31.47 0.90 0.00 | 25.36 0.70 0.00 | 13.89 0.37 0.00 | 22.51 0.60 0.00 | 18.44 0.52 0.00 | 19.63 0.59 0.00 | 6.78 0.22 0.00 | 31.40 0.95 0.00 | 44.09 1.28 0.00 | 57.46 1.47 0.00 | 63.91 1.70 0.00 | 50.17 1.25 0.00 | 40.26 0.87 0.00 | 38.71 0.62 0.00 |
| NPX_GEN_1385_PROXY 323591 | 40.11 1.36 0.00 | 40.68 1.16 0.00 | 40.46 1.02 0.00 | 40.28 0.84 0.00 | 40.15 0.79 0.00 | 38.77 0.44 0.00 | 47.64 0.24 0.00 | 57.31 1.41 0.00 | 45.98 1.28 0.00 | 38.95 1.18 0.00 | 33.25 1.14 -1.55 | 26.99 0.99 -1.35 | 14.00 0.48 0.00 | 22.53 0.62 0.00 | 18.43 0.52 0.00 | 24.75 0.46 -5.26 | 37.81 0.25 -31.00 | 44.38 1.35 -12.59 | 48.74 1.84 -4.09 | 57.97 1.99 0.00 | 64.30 2.09 0.00 | 50.33 1.42 0.00 | 40.88 1.49 0.00 | 39.49 1.39 0.00 |
| NPX_GEN_CSC 323557 | 39.79 1.04 0.00 | 40.37 0.85 0.00 | 40.09 0.65 0.00 | 39.88 0.43 0.00 | 39.75 0.38 0.00 | 37.79 -0.54 0.00 | 47.43 0.03 0.00 | 56.55 0.65 0.00 | 39.76 -0.10 4.84 | 24.85 0.07 12.98 | 22.29 0.27 8.54 | 13.21 0.31 11.76 | 12.70 0.18 1.00 | 22.20 0.29 0.00 | 18.14 0.23 0.01 | 24.59 0.30 -5.26 | 37.75 0.19 -31.00 | 41.63 0.59 -10.60 | 47.96 1.06 -4.09 | 57.60 1.62 0.00 | 63.20 0.99 0.00 | 49.87 0.95 0.00 | 40.51 1.12 0.00 | 39.05 0.95 0.00 |
| NSINS_S__GLNS_FALLS 23858 | 40.80 2.05 0.00 | 41.47 1.95 0.00 | 41.48 2.05 0.00 | 41.50 2.06 0.00 | 41.48 2.11 0.00 | 40.53 2.20 0.00 | 50.44 3.04 0.00 | 59.59 3.69 0.00 | 47.44 2.74 0.00 | 39.92 2.15 0.00 | 32.27 1.29 -0.41 | 26.00 0.99 -0.35 | 13.95 0.43 0.00 | 22.58 0.67 0.00 | 18.51 0.60 0.00 | 21.07 0.66 -1.38 | 14.96 0.27 -8.14 | 35.32 1.57 -3.30 | 46.14 2.26 -1.08 | 59.38 3.40 0.00 | 65.79 3.59 0.00 | 51.61 2.70 0.00 | 41.56 2.16 0.00 | 40.25 2.15 0.00 |
| NUCOR_STEEL___DRP 24197 | 38.02 -0.73 0.00 | 38.78 -0.74 0.00 | 38.72 -0.72 0.00 | 38.77 -0.68 0.00 | 38.71 -0.65 0.00 | 37.79 -0.54 0.00 | 46.82 -0.59 0.00 | 55.19 -0.72 0.00 | 43.97 -0.73 0.00 | 36.93 -0.84 0.00 | 29.78 -0.79 0.00 | 24.00 -0.66 0.00 | 13.17 -0.36 0.00 | 21.33 -0.59 0.00 | 17.42 -0.50 0.00 | 18.48 -0.56 0.00 | 6.36 -0.20 0.00 | 29.67 -0.78 0.00 | 41.99 -0.82 0.00 | 54.96 -1.02 0.00 | 61.04 -1.17 0.00 | 47.92 -0.99 0.00 | 38.55 -0.84 0.00 | 37.34 -0.76 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 39.34 0.59 0.00 | 39.75 0.23 0.00 | 40.08 0.65 0.00 | 40.30 0.86 0.00 | 39.98 0.61 0.00 | 38.64 0.31 0.00 | 48.19 0.79 0.00 | 56.78 0.88 0.00 | 45.34 0.63 0.00 | 37.85 0.08 0.00 | 30.49 -0.08 0.00 | 24.40 -0.27 0.00 | 13.29 -0.23 0.00 | 21.56 -0.35 0.00 | 17.63 -0.29 0.00 | 18.87 -0.17 0.00 | 6.61 0.05 0.00 | 31.07 0.63 0.00 | 44.16 1.36 0.00 | 58.07 2.09 0.00 | 64.34 2.13 0.00 | 50.05 1.14 0.00 | 40.08 0.68 0.00 | 38.22 0.13 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 38.75 0.00 0.00 | 39.52 0.00 0.00 | 39.44 0.00 0.00 | 39.44 0.00 0.00 | 39.37 0.00 0.00 | 38.33 0.00 0.00 | 47.41 0.00 0.00 | 55.90 0.00 0.00 | 44.70 0.00 0.00 | 37.77 0.00 0.00 | 30.57 0.00 0.00 | 24.66 0.00 0.00 | 13.52 0.00 0.00 | 21.91 0.00 0.00 | 17.92 0.00 0.00 | 19.04 0.00 0.00 | 6.56 0.00 0.00 | 30.45 0.00 0.00 | 42.81 0.00 0.00 | 55.98 0.00 0.00 | 62.20 0.00 0.00 | 48.91 0.00 0.00 | 39.39 0.00 0.00 | 38.10 0.00 0.00 |

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| NYPA_BRENTWD____GT 24164 | 40.53 1.78 0.00 | 41.11 1.59 0.00 | 40.89 1.45 0.00 | 40.70 1.26 0.00 | 40.59 1.23 0.00 | 39.27 0.94 0.00 | 48.93 1.53 0.00 | 58.46 2.56 0.00 | 46.16 1.94 0.49 | 38.29 1.84 1.31 | 32.68 1.58 -0.53 | 25.98 1.30 -0.02 | 14.09 0.67 0.10 | 22.89 0.98 0.00 | 18.75 0.83 0.00 | 25.19 0.90 -5.26 | 37.92 0.36 -31.00 | 44.44 1.61 -12.39 | 49.28 2.38 -4.09 | 59.08 3.10 0.00 | 65.21 3.00 0.00 | 51.11 2.19 0.00 | 41.40 2.01 0.00 | 40.02 1.92 0.00 |
| NYPA_GOWANUS____GT5 24156 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NYPA_GOWANUS____GT6 24157 | 56.74 1.64 -16.34 | 55.99 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 56.02 1.31 -15.34 | 56.45 1.23 -16.90 | 57.51 1.95 -8.15 | 59.58 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.85 -20.42 | 70.41 3.17 -5.03 | 64.26 2.50 -12.85 | 57.47 2.14 -15.94 | 57.25 2.04 -17.11 |
| NYPA_HARLEM__RVR__GT1 24160 | 40.03 1.28 0.00 | 40.53 1.01 0.00 | 40.44 1.00 0.00 | 40.33 0.89 0.00 | 40.29 0.93 0.00 | 39.16 0.83 0.00 | 48.84 1.44 0.00 | 58.33 2.43 0.00 | 46.81 2.10 0.00 | 39.62 1.85 0.00 | 33.64 1.53 -1.54 | 27.30 1.30 -1.33 | 14.24 0.72 0.01 | 23.02 1.12 0.01 | 18.84 0.93 0.01 | 25.24 0.98 -5.23 | 37.74 0.31 -30.87 | 44.24 1.26 -12.53 | 48.65 1.77 -4.08 | 58.18 2.20 0.00 | 64.68 2.48 0.00 | 50.92 2.01 0.00 | 41.11 1.72 0.00 | 39.60 1.49 -0.01 |
| NYPA_HARLEM__RVR__GT2 24161 | 40.03 1.28 0.00 | 40.53 1.01 0.00 | 40.44 1.00 0.00 | 40.33 0.89 0.00 | 40.29 0.93 0.00 | 39.16 0.83 0.00 | 48.84 1.44 0.00 | 58.33 2.43 0.00 | 46.81 2.10 0.00 | 39.62 1.85 0.00 | 33.64 1.53 -1.54 | 27.30 1.30 -1.33 | 14.24 0.72 0.01 | 23.02 1.12 0.01 | 18.84 0.93 0.01 | 25.24 0.98 -5.23 | 37.74 0.31 -30.87 | 44.24 1.26 -12.53 | 48.65 1.77 -4.08 | 58.18 2.20 0.00 | 64.68 2.48 0.00 | 50.92 2.01 0.00 | 41.11 1.72 0.00 | 39.60 1.49 -0.01 |
| NYPA_KENT____GT 24152 | 50.23 1.51 -9.98 | 50.00 1.30 -9.17 | 49.93 1.22 -9.28 | 49.89 1.08 -9.37 | 49.91 1.18 -9.37 | 49.76 1.11 -10.32 | 54.17 1.79 -4.98 | 59.14 2.81 -0.42 | 53.81 2.36 -6.74 | 50.97 2.11 -11.09 | 48.37 1.78 -16.01 | 44.84 1.51 -18.67 | 40.44 0.84 -26.08 | 43.51 1.30 -20.29 | 41.46 1.08 -22.47 | 43.95 1.14 -23.79 | 52.16 0.37 -45.24 | 53.17 1.53 -21.19 | 57.19 2.13 -12.26 | 71.14 2.69 -12.47 | 68.26 2.98 -3.07 | 59.09 2.33 -7.85 | 51.13 2.00 -9.73 | 50.65 1.92 -10.64 |
| NYPA_POUCH1____GT 24155 | 56.67 1.58 -16.34 | 55.94 1.39 -15.02 | 55.94 1.31 -15.19 | 55.94 1.15 -15.34 | 55.95 1.24 -15.34 | 56.37 1.14 -16.90 | 57.37 1.82 -8.15 | 59.43 2.83 -0.69 | 58.15 2.41 -11.04 | 58.08 2.15 -18.16 | 57.63 1.82 -25.24 | 55.94 1.55 -29.73 | 57.09 0.85 -42.71 | 56.48 1.33 -33.24 | 55.82 1.11 -36.79 | 55.82 1.16 -35.62 | 61.33 0.37 -54.40 | 58.71 1.56 -26.71 | 62.45 2.17 -17.47 | 79.09 2.69 -20.42 | 70.25 3.02 -5.03 | 64.16 2.40 -12.85 | 57.42 2.09 -15.94 | 57.18 1.97 -17.11 |
| NYPA_VERNON____GT2 24162 | 43.73 1.37 -3.61 | 44.00 1.15 -3.32 | 43.87 1.07 -3.36 | 43.78 0.95 -3.39 | 43.81 1.05 -3.39 | 43.06 0.99 -3.74 | 50.85 1.64 -1.80 | 58.68 2.63 -0.15 | 49.37 2.22 -2.44 | 43.78 1.99 -4.02 | 39.03 1.67 -6.78 | 33.70 1.42 -7.62 | 23.76 0.79 -9.45 | 30.49 1.22 -7.35 | 27.07 1.02 -8.14 | 32.06 1.07 -11.96 | 42.98 0.35 -36.08 | 47.55 1.43 -15.67 | 51.83 1.98 -7.04 | 63.01 2.51 -4.52 | 66.11 2.79 -1.11 | 53.90 2.15 -2.84 | 44.77 1.85 -3.53 | 44.07 1.81 -4.17 |
| NYPA_VERNON____GT3 24163 | 43.73 1.37 -3.61 | 44.00 1.15 -3.32 | 43.87 1.07 -3.36 | 43.78 0.95 -3.39 | 43.81 1.05 -3.39 | 43.06 0.99 -3.74 | 50.85 1.64 -1.80 | 58.68 2.63 -0.15 | 49.37 2.22 -2.44 | 43.78 1.99 -4.02 | 39.03 1.67 -6.78 | 33.70 1.42 -7.62 | 23.76 0.79 -9.45 | 30.49 1.22 -7.35 | 27.07 1.02 -8.14 | 32.06 1.07 -11.96 | 42.98 0.35 -36.08 | 47.55 1.43 -15.67 | 51.83 1.98 -7.04 | 63.01 2.51 -4.52 | 66.11 2.79 -1.11 | 53.90 2.15 -2.84 | 44.77 1.85 -3.53 | 44.07 1.81 -4.17 |
| NYPA__ASTORIA_CC1 323568 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.02 0.00 | 40.34 0.90 0.00 | 40.37 1.01 0.00 | 39.28 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.86 2.15 0.00 | 39.71 1.94 0.00 | 33.75 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.91 0.99 0.00 | 25.31 1.04 -5.24 | 37.77 0.33 -30.87 | 44.36 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.99 2.08 0.00 | 41.20 1.80 0.00 | 40.24 1.76 -0.38 |
| NYPA__ASTORIA_CC2 323569 | 40.07 1.32 0.00 | 40.62 1.10 0.00 | 40.46 1.02 0.00 | 40.34 0.90 0.00 | 40.37 1.01 0.00 | 39.28 0.94 0.00 | 48.96 1.55 0.00 | 58.44 2.54 0.00 | 46.86 2.15 0.00 | 39.71 1.94 0.00 | 33.75 1.64 -1.54 | 27.39 1.39 -1.34 | 14.29 0.77 0.00 | 23.10 1.19 0.00 | 18.91 0.99 0.00 | 25.31 1.04 -5.24 | 37.77 0.33 -30.87 | 44.36 1.38 -12.54 | 48.78 1.90 -4.08 | 58.41 2.43 0.00 | 64.89 2.68 0.00 | 50.99 2.08 0.00 | 41.20 1.80 0.00 | 40.24 1.76 -0.38 |
| NYPA__HOLTSVILL 23794 | 40.10 1.35 0.00 | 40.68 1.15 0.00 | 40.42 0.99 0.00 | 40.22 0.78 0.00 | 40.10 0.73 0.00 | 38.58 0.25 0.00 | 48.08 0.68 0.00 | 57.37 1.47 0.00 | 40.79 0.93 4.84 | 25.73 0.95 12.98 | 22.97 0.94 8.54 | 13.68 0.78 11.76 | 12.93 0.41 1.00 | 22.53 0.61 0.00 | 18.43 0.52 0.01 | 24.87 0.57 -5.26 | 37.80 0.24 -31.00 | 42.00 0.96 -10.60 | 48.36 1.46 -4.09 | 58.01 2.03 0.00 | 64.03 1.82 0.00 | 50.49 1.58 0.00 | 41.01 1.62 0.00 | 39.61 1.51 0.00 |
| NYPA____HELLGATE_GT1 24158 | 40.03 1.28 0.00 | 40.53 1.01 0.00 | 40.44 1.00 0.00 | 40.33 0.89 0.00 | 40.29 0.93 0.00 | 39.16 0.83 0.00 | 48.83 1.43 0.00 | 58.33 2.43 0.00 | 46.81 2.10 0.00 | 39.62 1.85 0.00 | 33.64 1.53 -1.54 | 27.30 1.30 -1.33 | 14.24 0.72 0.01 | 23.02 1.12 0.01 | 18.84 0.93 0.01 | 25.24 0.98 -5.23 | 37.74 0.31 -30.87 | 44.24 1.26 -12.53 | 48.65 1.77 -4.08 | 58.18 2.20 0.00 | 64.68 2.48 0.00 | 50.92 2.01 0.00 | 41.11 1.72 0.00 | 39.60 1.49 -0.01 |
| NYPA____HELLGATE_GT2 24159 | 40.03 1.28 0.00 | 40.53 1.01 0.00 | 40.44 1.00 0.00 | 40.33 0.89 0.00 | 40.29 0.93 0.00 | 39.16 0.83 0.00 | 48.83 1.43 0.00 | 58.33 2.43 0.00 | 46.81 2.10 0.00 | 39.62 1.85 0.00 | 33.64 1.53 -1.54 | 27.30 1.30 -1.33 | 14.24 0.72 0.01 | 23.02 1.12 0.01 | 18.84 0.93 0.01 | 25.24 0.98 -5.23 | 37.74 0.31 -30.87 | 44.24 1.26 -12.53 | 48.65 1.77 -4.08 | 58.18 2.20 0.00 | 64.68 2.48 0.00 | 50.92 2.01 0.00 | 41.11 1.72 0.00 | 39.60 1.49 -0.01 |
| NYS_BARGE__HYD 23848 | 36.12 -2.63 0.00 | 37.02 -2.50 0.00 | 37.01 -2.43 0.00 | 37.31 -2.13 0.00 | 37.30 -2.07 0.00 | 36.55 -1.78 0.00 | 44.71 -2.69 0.00 | 51.90 -4.00 0.00 | 41.72 -2.99 0.00 | 35.26 -2.51 0.00 | 28.36 -2.21 0.00 | 22.90 -1.76 0.00 | 12.75 -0.77 0.00 | 20.50 -1.41 0.00 | 16.74 -1.18 0.00 | 17.84 -1.19 0.00 | 6.05 -0.51 0.00 | 28.06 -2.38 0.00 | 39.61 -3.20 0.00 | 51.23 -4.75 0.00 | 56.91 -5.30 0.00 | 44.85 -4.06 0.00 | 36.38 -3.01 0.00 | 35.67 -2.42 0.00 |

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| OAK ORCHARD___HYD 24046 | 37.09 -1.65 0.00 | 37.97 -1.56 0.00 | 37.91 -1.53 0.00 | 38.11 -1.34 0.00 | 38.09 -1.28 0.00 | 37.26 -1.07 0.00 | 45.87 -1.53 0.00 | 53.75 -2.15 0.00 | 43.01 -1.70 0.00 | 36.20 -1.57 0.00 | 29.15 -1.43 0.00 | 23.51 -1.15 0.00 | 12.94 -0.58 0.00 | 20.94 -0.97 0.00 | 17.11 -0.81 0.00 | 18.21 -0.83 0.00 | 6.22 -0.34 0.00 | 28.96 -1.48 0.00 | 40.91 -1.89 0.00 | 53.22 -2.77 0.00 | 59.10 -3.11 0.00 | 46.46 -2.46 0.00 | 37.44 -1.95 0.00 | 36.43 -1.67 0.00 |
| OAKDALE___35_KV_LOAD 356122 | 38.07 -0.68 0.00 | 38.79 -0.74 0.00 | 38.67 -0.77 0.00 | 38.67 -0.77 0.00 | 38.63 -0.74 0.00 | 37.71 -0.62 0.00 | 46.73 -0.68 0.00 | 55.19 -0.72 0.00 | 43.99 -0.71 0.00 | 37.14 -0.63 0.00 | 29.98 -0.59 0.00 | 24.20 -0.46 0.00 | 13.34 -0.18 0.00 | 21.61 -0.30 0.00 | 17.65 -0.27 0.00 | 18.73 -0.30 0.00 | 6.39 -0.17 0.00 | 29.89 -0.56 0.00 | 42.21 -0.60 0.00 | 55.27 -0.72 0.00 | 61.33 -0.88 0.00 | 48.08 -0.84 0.00 | 38.68 -0.71 0.00 | 37.45 -0.65 0.00 |
| OCC_CHEM___DRP 24175 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.86 -2.51 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.03 -4.87 0.00 | 41.04 -3.67 0.00 | 34.80 -2.97 0.00 | 28.00 -2.57 0.00 | 22.66 -2.00 0.00 | 12.58 -0.95 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.74 -2.71 0.00 | 39.04 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.34 0.00 | 44.08 -4.83 0.00 | 35.74 -3.65 0.00 | 35.02 -3.08 0.00 |
| OH_GEN_PROXY 24063 | 35.92 -2.83 0.00 | 36.87 -2.65 0.00 | 36.84 -2.60 0.00 | 37.13 -2.31 0.00 | 37.10 -2.26 0.00 | 36.32 -2.01 0.00 | 44.39 -3.02 0.00 | 51.58 -4.32 0.00 | 41.47 -3.24 0.00 | 35.12 -2.65 0.00 | 28.29 -2.28 0.00 | 22.88 -1.78 0.00 | 12.69 -0.83 0.00 | 20.48 -1.43 0.00 | 16.73 -1.19 0.00 | 17.85 -1.18 0.00 | 6.04 -0.52 0.00 | 28.03 -2.41 0.00 | 39.47 -3.34 0.00 | 50.95 -5.04 0.00 | 56.58 -5.63 0.00 | 44.59 -4.32 0.00 | 36.09 -3.30 0.00 | 35.32 -2.78 0.00 |
| OLIN_CORP_DRP 24177 | 35.69 -3.06 0.00 | 36.57 -2.96 0.00 | 36.57 -2.87 0.00 | 36.88 -2.56 0.00 | 36.88 -2.48 0.00 | 36.11 -2.22 0.00 | 44.09 -3.31 0.00 | 51.08 -4.82 0.00 | 41.09 -3.61 0.00 | 34.82 -2.95 0.00 | 28.01 -2.56 0.00 | 22.65 -2.01 0.00 | 12.59 -0.93 0.00 | 20.28 -1.63 0.00 | 16.58 -1.34 0.00 | 17.67 -1.36 0.00 | 5.97 -0.59 0.00 | 27.69 -2.75 0.00 | 39.02 -3.79 0.00 | 50.38 -5.61 0.00 | 55.95 -6.26 0.00 | 44.14 -4.77 0.00 | 35.84 -3.55 0.00 | 35.21 -2.88 0.00 |
| OLIN_CORP_DSASP 323712 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.84 -2.53 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.02 -4.87 0.00 | 41.04 -3.67 0.00 | 34.78 -2.99 0.00 | 28.00 -2.57 0.00 | 22.66 -2.01 0.00 | 12.58 -0.94 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.77 -2.68 0.00 | 39.05 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.33 0.00 | 44.08 -4.84 0.00 | 35.74 -3.66 0.00 | 35.02 -3.07 0.00 |
| ONEIDA_HERK_LFGE 323681 | 39.50 0.75 0.00 | 40.09 0.57 0.00 | 40.16 0.72 0.00 | 40.23 0.79 0.00 | 40.07 0.70 0.00 | 38.96 0.63 0.00 | 48.46 1.06 0.00 | 57.19 1.29 0.00 | 45.66 0.95 0.00 | 38.30 0.53 0.00 | 30.84 0.27 0.00 | 24.75 0.09 0.00 | 13.53 0.01 0.00 | 21.92 0.01 0.00 | 17.93 0.01 0.00 | 19.10 0.06 0.00 | 6.64 0.08 0.00 | 31.10 0.65 0.00 | 44.04 1.23 0.00 | 57.78 1.80 0.00 | 64.08 1.88 0.00 | 50.11 1.20 0.00 | 40.21 0.82 0.00 | 38.64 0.54 0.00 |
| ONEIDA___115KV_TB4 55905 | 39.37 0.62 0.00 | 40.08 0.56 0.00 | 40.01 0.57 0.00 | 40.02 0.58 0.00 | 39.94 0.57 0.00 | 39.00 0.67 0.00 | 48.49 1.08 0.00 | 57.25 1.35 0.00 | 45.66 0.95 0.00 | 38.32 0.55 0.00 | 30.79 0.22 0.00 | 24.73 0.07 0.00 | 13.55 0.02 0.00 | 21.95 0.04 0.00 | 17.94 0.02 0.00 | 19.08 0.04 0.00 | 6.60 0.04 0.00 | 30.88 0.44 0.00 | 43.73 0.92 0.00 | 57.40 1.42 0.00 | 63.68 1.47 0.00 | 49.86 0.95 0.00 | 40.06 0.67 0.00 | 38.65 0.56 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 37.91 -0.84 0.00 | 38.67 -0.85 0.00 | 38.60 -0.84 0.00 | 38.64 -0.81 0.00 | 38.58 -0.78 0.00 | 37.62 -0.71 0.00 | 46.58 -0.82 0.00 | 54.96 -0.94 0.00 | 43.84 -0.87 0.00 | 36.90 -0.87 0.00 | 29.82 -0.75 0.00 | 24.04 -0.62 0.00 | 13.19 -0.33 0.00 | 21.37 -0.54 0.00 | 17.45 -0.47 0.00 | 18.52 -0.51 0.00 | 6.37 -0.19 0.00 | 29.67 -0.78 0.00 | 41.85 -0.96 0.00 | 54.78 -1.20 0.00 | 60.82 -1.38 0.00 | 47.73 -1.18 0.00 | 38.44 -0.95 0.00 | 37.23 -0.87 0.00 |
| ONONDAGA___COGEN 23986 | 37.85 -0.90 0.00 | 38.62 -0.91 0.00 | 38.56 -0.88 0.00 | 38.59 -0.85 0.00 | 38.54 -0.83 0.00 | 37.57 -0.76 0.00 | 46.52 -0.89 0.00 | 54.85 -1.05 0.00 | 43.75 -0.95 0.00 | 36.84 -0.92 0.00 | 29.78 -0.79 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.34 -0.58 0.00 | 17.43 -0.49 0.00 | 18.50 -0.54 0.00 | 6.37 -0.19 0.00 | 29.65 -0.80 0.00 | 41.81 -0.99 0.00 | 54.70 -1.28 0.00 | 60.72 -1.48 0.00 | 47.67 -1.24 0.00 | 38.38 -1.02 0.00 | 37.17 -0.92 0.00 |
| ONTARIO___LFGE 23819 | 37.77 -0.98 0.00 | 38.55 -0.98 0.00 | 38.47 -0.97 0.00 | 38.58 -0.86 0.00 | 38.57 -0.79 0.00 | 37.78 -0.55 0.00 | 46.86 -0.54 0.00 | 55.07 -0.83 0.00 | 43.86 -0.85 0.00 | 36.81 -0.96 0.00 | 29.59 -0.98 0.00 | 23.80 -0.87 0.00 | 13.09 -0.43 0.00 | 21.19 -0.72 0.00 | 17.30 -0.61 0.00 | 18.37 -0.67 0.00 | 6.27 -0.28 0.00 | 29.51 -0.94 0.00 | 41.96 -0.85 0.00 | 54.94 -1.04 0.00 | 60.95 -1.26 0.00 | 47.86 -1.05 0.00 | 38.45 -0.94 0.00 | 37.25 -0.85 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 35.58 -3.17 0.00 | 36.58 -2.95 0.00 | 36.64 -2.80 0.00 | 36.87 -2.57 0.00 | 36.76 -2.61 0.00 | 35.94 -2.39 0.00 | 44.23 -3.18 0.00 | 51.84 -4.06 0.00 | 41.49 -3.22 0.00 | 35.09 -2.69 0.00 | 28.38 -2.19 0.00 | 22.87 -1.79 0.00 | 12.73 -0.79 0.00 | 20.55 -1.36 0.00 | 16.78 -1.14 0.00 | 17.84 -1.19 0.00 | 6.04 -0.52 0.00 | 28.41 -2.04 0.00 | 40.46 -2.35 0.00 | 52.69 -3.29 0.00 | 58.48 -3.73 0.00 | 46.00 -2.91 0.00 | 37.07 -2.32 0.00 | 36.09 -2.01 0.00 |
| ORANGEVILLE___ESR 323794 | 35.58 -3.17 0.00 | 36.58 -2.95 0.00 | 36.64 -2.80 0.00 | 36.87 -2.57 0.00 | 36.76 -2.61 0.00 | 35.94 -2.39 0.00 | 44.23 -3.18 0.00 | 51.84 -4.06 0.00 | 41.49 -3.22 0.00 | 35.09 -2.69 0.00 | 28.38 -2.19 0.00 | 22.87 -1.79 0.00 | 12.73 -0.79 0.00 | 20.55 -1.36 0.00 | 16.78 -1.14 0.00 | 17.84 -1.19 0.00 | 6.04 -0.52 0.00 | 28.41 -2.04 0.00 | 40.46 -2.35 0.00 | 52.69 -3.29 0.00 | 58.48 -3.73 0.00 | 46.00 -2.91 0.00 | 37.07 -2.32 0.00 | 36.09 -2.01 0.00 |
| OSWEGATCHIE___HYD 24044 | 39.31 0.56 0.00 | 39.93 0.41 0.00 | 40.14 0.70 0.00 | 40.29 0.85 0.00 | 40.08 0.72 0.00 | 38.88 0.55 0.00 | 48.20 0.79 0.00 | 56.61 0.71 0.00 | 45.23 0.52 0.00 | 37.88 0.11 0.00 | 30.51 -0.06 0.00 | 24.48 -0.18 0.00 | 13.36 -0.16 0.00 | 21.65 -0.26 0.00 | 17.71 -0.21 0.00 | 18.92 -0.12 0.00 | 6.62 0.06 0.00 | 30.91 0.46 0.00 | 43.69 0.88 0.00 | 57.27 1.29 0.00 | 63.61 1.40 0.00 | 49.80 0.89 0.00 | 39.95 0.56 0.00 | 38.25 0.16 0.00 |
| OSWEGO___5 23606 | 37.34 -1.41 0.00 | 38.11 -1.41 0.00 | 38.05 -1.39 0.00 | 38.09 -1.35 0.00 | 38.01 -1.36 0.00 | 37.02 -1.31 0.00 | 45.75 -1.65 0.00 | 53.94 -1.97 0.00 | 43.07 -1.64 0.00 | 36.34 -1.43 0.00 | 29.44 -1.14 0.00 | 23.75 -0.92 0.00 | 13.03 -0.50 0.00 | 21.10 -0.81 0.00 | 17.24 -0.68 0.00 | 18.31 -0.73 0.00 | 6.30 -0.26 0.00 | 29.26 -1.19 0.00 | 41.18 -1.62 0.00 | 53.87 -2.11 0.00 | 59.82 -2.39 0.00 | 46.99 -1.92 0.00 | 37.84 -1.55 0.00 | 36.66 -1.44 0.00 |

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| OSWEGO___6 23613 | 37.34 -1.41 0.00 | 38.11 -1.41 0.00 | 38.05 -1.39 0.00 | 38.09 -1.35 0.00 | 38.01 -1.36 0.00 | 37.02 -1.31 0.00 | 45.75 -1.65 0.00 | 53.94 -1.97 0.00 | 43.07 -1.64 0.00 | 36.34 -1.43 0.00 | 29.44 -1.14 0.00 | 23.75 -0.92 0.00 | 13.03 -0.50 0.00 | 21.10 -0.81 0.00 | 17.24 -0.68 0.00 | 18.31 -0.73 0.00 | 6.30 -0.26 0.00 | 29.26 -1.19 0.00 | 41.18 -1.62 0.00 | 53.87 -2.11 0.00 | 59.82 -2.39 0.00 | 46.99 -1.92 0.00 | 37.84 -1.55 0.00 | 36.66 -1.44 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 36.49 -2.25 0.00 | 37.44 -2.08 0.00 | 37.40 -2.03 0.00 | 37.70 -1.74 0.00 | 37.71 -1.66 0.00 | 36.94 -1.39 0.00 | 45.17 -2.24 0.00 | 52.53 -3.37 0.00 | 42.20 -2.50 0.00 | 35.76 -2.01 0.00 | 28.77 -1.80 0.00 | 23.24 -1.42 0.00 | 12.90 -0.62 0.00 | 20.80 -1.11 0.00 | 16.99 -0.93 0.00 | 18.11 -0.92 0.00 | 6.11 -0.45 0.00 | 28.46 -1.98 0.00 | 40.14 -2.67 0.00 | 51.88 -4.10 0.00 | 57.62 -4.59 0.00 | 45.40 -3.51 0.00 | 36.77 -2.62 0.00 | 35.99 -2.10 0.00 |
| OXBOW___BTM 323836 | 35.99 -2.76 0.00 | 36.94 -2.58 0.00 | 36.91 -2.53 0.00 | 37.21 -2.23 0.00 | 37.20 -2.17 0.00 | 36.46 -1.87 0.00 | 44.54 -2.87 0.00 | 51.72 -4.18 0.00 | 41.58 -3.13 0.00 | 35.21 -2.55 0.00 | 28.35 -2.22 0.00 | 22.92 -1.75 0.00 | 12.72 -0.80 0.00 | 20.52 -1.39 0.00 | 16.76 -1.16 0.00 | 17.89 -1.15 0.00 | 6.05 -0.51 0.00 | 28.09 -2.35 0.00 | 39.56 -3.25 0.00 | 51.04 -4.94 0.00 | 56.69 -5.52 0.00 | 44.68 -4.24 0.00 | 36.21 -3.18 0.00 | 35.46 -2.64 0.00 |
| OXBOW____ 24026 | 35.99 -2.76 0.00 | 36.95 -2.57 0.00 | 36.92 -2.52 0.00 | 37.22 -2.23 0.00 | 37.22 -2.15 0.00 | 36.45 -1.88 0.00 | 44.53 -2.87 0.00 | 51.71 -4.19 0.00 | 41.57 -3.14 0.00 | 35.23 -2.54 0.00 | 28.34 -2.23 0.00 | 22.92 -1.74 0.00 | 12.72 -0.80 0.00 | 20.52 -1.39 0.00 | 16.76 -1.16 0.00 | 17.88 -1.16 0.00 | 6.04 -0.52 0.00 | 28.07 -2.38 0.00 | 39.55 -3.26 0.00 | 51.04 -4.94 0.00 | 56.68 -5.52 0.00 | 44.69 -4.23 0.00 | 36.21 -3.18 0.00 | 35.46 -2.64 0.00 |
| OXY_CHEM_DSASP 323612 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.86 -2.51 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.03 -4.87 0.00 | 41.04 -3.67 0.00 | 34.80 -2.97 0.00 | 28.00 -2.57 0.00 | 22.66 -2.00 0.00 | 12.58 -0.95 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.74 -2.71 0.00 | 39.04 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.34 0.00 | 44.08 -4.83 0.00 | 35.74 -3.65 0.00 | 35.02 -3.08 0.00 |
| OZONE_PARK_ESR 323760 | 40.26 1.51 0.00 | 40.86 1.34 0.00 | 40.65 1.21 0.00 | 40.54 1.09 0.00 | 40.54 1.17 0.00 | 39.50 1.17 0.00 | 49.34 1.93 0.00 | 58.90 2.99 0.00 | 47.16 2.46 0.00 | 39.92 2.15 0.00 | 33.92 1.80 -1.54 | 27.50 1.49 -1.34 | 14.36 0.83 0.00 | 23.21 1.30 0.00 | 18.98 1.07 0.00 | 25.41 1.13 -5.24 | 37.83 0.37 -30.90 | 44.61 1.61 -12.55 | 49.14 2.25 -4.08 | 58.91 2.93 0.00 | 65.42 3.22 0.00 | 51.35 2.44 0.00 | 41.45 2.06 0.00 | 40.05 1.95 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.86 -2.51 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.03 -4.87 0.00 | 41.04 -3.67 0.00 | 34.80 -2.97 0.00 | 28.00 -2.57 0.00 | 22.66 -2.00 0.00 | 12.58 -0.95 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.74 -2.71 0.00 | 39.04 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.34 0.00 | 44.08 -4.83 0.00 | 35.74 -3.65 0.00 | 35.02 -3.08 0.00 |
| PACKARD__115KV_DUPONT_184 80571 | 35.59 -3.16 0.00 | 36.56 -2.96 0.00 | 36.54 -2.90 0.00 | 36.86 -2.59 0.00 | 36.86 -2.51 0.00 | 36.09 -2.24 0.00 | 44.02 -3.39 0.00 | 51.03 -4.87 0.00 | 41.04 -3.67 0.00 | 34.80 -2.97 0.00 | 28.00 -2.57 0.00 | 22.66 -2.00 0.00 | 12.58 -0.95 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.70 -1.34 0.00 | 5.98 -0.58 0.00 | 27.74 -2.71 0.00 | 39.04 -3.76 0.00 | 50.32 -5.66 0.00 | 55.87 -6.34 0.00 | 44.08 -4.83 0.00 | 35.74 -3.65 0.00 | 35.02 -3.08 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 39.96 1.22 0.00 | 40.50 0.98 0.00 | 40.39 0.96 0.00 | 40.28 0.84 0.00 | 40.24 0.88 0.00 | 39.13 0.79 0.00 | 48.84 1.43 0.00 | 58.30 2.40 0.00 | 46.73 2.02 0.00 | 39.53 1.76 0.00 | 33.55 1.43 -1.54 | 27.23 1.23 -1.34 | 14.20 0.68 0.00 | 22.96 1.04 0.00 | 18.79 0.87 0.00 | 25.18 0.91 -5.24 | 37.72 0.29 -30.87 | 44.21 1.22 -12.54 | 48.61 1.72 -4.08 | 58.16 2.17 0.00 | 64.66 2.45 0.00 | 50.82 1.91 0.00 | 41.03 1.64 0.00 | 39.62 1.52 -0.01 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 40.11 1.36 0.00 | 40.65 1.13 0.00 | 40.54 1.10 0.00 | 40.46 1.02 0.00 | 40.44 1.08 0.00 | 39.49 1.16 0.00 | 49.26 1.86 0.00 | 58.69 2.79 0.00 | 46.99 2.28 0.00 | 39.65 1.88 0.00 | 33.56 1.45 -1.54 | 27.23 1.23 -1.34 | 14.21 0.68 0.00 | 22.96 1.04 0.00 | 18.79 0.87 0.00 | 25.18 0.91 -5.24 | 37.73 0.30 -30.87 | 44.21 1.22 -12.54 | 48.69 1.80 -4.08 | 58.29 2.31 0.00 | 64.88 2.67 0.00 | 51.02 2.10 0.00 | 41.15 1.76 0.00 | 39.68 1.57 -0.01 |
| PATROON__115KV_TB1 80586 | 39.86 1.11 0.00 | 40.70 1.17 0.00 | 40.53 1.09 0.00 | 40.50 1.05 0.00 | 40.42 1.05 0.00 | 39.40 1.07 0.00 | 48.88 1.48 0.00 | 57.82 1.91 0.00 | 46.23 1.52 0.00 | 39.03 1.26 0.00 | 31.98 0.99 -0.43 | 25.81 0.78 -0.37 | 13.90 0.38 0.00 | 22.52 0.61 0.00 | 18.45 0.53 0.00 | 21.04 0.56 -1.45 | 15.31 0.21 -8.54 | 34.89 0.98 -3.47 | 45.24 1.30 -1.13 | 57.79 1.81 0.00 | 64.14 1.94 0.00 | 50.46 1.54 0.00 | 40.64 1.25 0.00 | 39.34 1.24 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 39.80 1.05 0.00 | 40.54 1.02 0.00 | 40.42 0.98 0.00 | 40.42 0.97 0.00 | 40.35 0.99 0.00 | 39.32 0.99 0.00 | 48.78 1.38 0.00 | 57.68 1.77 0.00 | 45.90 1.20 0.00 | 38.57 0.80 0.00 | 31.48 0.55 -0.36 | 25.32 0.34 -0.31 | 13.64 0.12 0.00 | 22.10 0.19 0.00 | 18.07 0.16 0.00 | 20.40 0.14 -1.22 | 13.83 0.06 -7.21 | 34.00 0.63 -2.93 | 44.92 1.16 -0.95 | 57.70 1.72 0.00 | 64.08 1.87 0.00 | 50.36 1.44 0.00 | 40.53 1.14 0.00 | 39.18 1.08 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 37.41 -1.34 0.00 | 38.35 -1.17 0.00 | 38.24 -1.19 0.00 | 38.53 -0.91 0.00 | 38.55 -0.81 0.00 | 37.68 -0.65 0.00 | 46.21 -1.20 0.00 | 53.96 -1.94 0.00 | 43.31 -1.40 0.00 | 36.69 -1.07 0.00 | 29.53 -1.04 0.00 | 23.85 -0.81 0.00 | 13.23 -0.29 0.00 | 21.34 -0.57 0.00 | 17.44 -0.48 0.00 | 18.56 -0.47 0.00 | 6.26 -0.30 0.00 | 29.19 -1.26 0.00 | 41.20 -1.61 0.00 | 53.43 -2.55 0.00 | 59.37 -2.83 0.00 | 46.69 -2.23 0.00 | 37.71 -1.68 0.00 | 36.81 -1.28 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 40.12 1.37 0.00 | 40.77 1.25 0.00 | 40.58 1.14 0.00 | 40.46 1.02 0.00 | 40.41 1.05 0.00 | 39.42 1.09 0.00 | 49.20 1.79 0.00 | 58.64 2.74 0.00 | 46.87 2.16 0.00 | 39.60 1.83 0.00 | 32.74 1.50 -0.67 | 26.47 1.23 -0.58 | 14.18 0.66 0.00 | 22.94 1.02 0.00 | 18.76 0.85 0.00 | 22.21 0.90 -2.27 | 20.22 0.30 -13.36 | 37.26 1.38 -5.43 | 46.51 1.94 -1.76 | 58.66 2.68 0.00 | 65.12 2.91 0.00 | 51.13 2.22 0.00 | 41.19 1.80 0.00 | 39.76 1.67 0.00 |
| PEEKSKILL____ 23653 | 39.60 0.86 0.00 | 40.25 0.72 0.00 | 40.07 0.63 0.00 | 39.95 0.51 0.00 | 39.92 0.55 0.00 | 38.87 0.54 0.00 | 48.47 1.06 0.00 | 57.72 1.82 0.00 | 46.15 1.44 0.00 | 39.05 1.28 0.00 | 41.18 1.07 -9.54 | 33.86 0.90 -8.30 | 14.01 0.49 0.00 | 22.66 0.75 0.00 | 18.55 0.63 0.00 | 52.10 0.66 -32.40 | 197.83 0.21 -191.06 | 108.95 0.92 -77.58 | 69.31 1.27 -25.24 | 57.78 1.80 0.00 | 64.19 1.99 0.00 | 50.41 1.49 0.00 | 40.63 1.24 0.00 | 39.24 1.14 0.00 |

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| PGE MADISON___WINDPWR 24146 | 40.71 1.96 0.00 | 41.01 1.49 0.00 | 40.90 1.46 0.00 | 40.92 1.48 0.00 | 40.76 1.40 0.00 | 40.11 1.78 0.00 | 49.98 2.57 0.00 | 58.95 3.05 0.00 | 46.28 1.57 0.00 | 38.37 0.60 0.00 | 30.51 -0.06 0.00 | 24.65 -0.01 0.00 | 13.66 0.14 0.00 | 22.29 0.38 0.00 | 18.23 0.31 0.00 | 19.35 0.31 0.00 | 6.67 0.11 0.00 | 31.70 1.26 0.00 | 45.44 2.63 0.00 | 59.70 3.72 0.00 | 65.92 3.71 0.00 | 51.00 2.09 0.00 | 40.67 1.28 0.00 | 39.26 1.16 0.00 |
| PIERCEFIELD___HYD 23852 | 39.76 1.01 0.00 | 40.59 1.07 0.00 | 40.70 1.26 0.00 | 40.79 1.35 0.00 | 40.66 1.29 0.00 | 39.54 1.21 0.00 | 48.73 1.32 0.00 | 57.06 1.16 0.00 | 45.66 0.95 0.00 | 38.44 0.67 0.00 | 30.99 0.43 0.00 | 24.95 0.29 0.00 | 13.66 0.14 0.00 | 22.14 0.23 0.00 | 18.12 0.20 0.00 | 19.32 0.29 0.00 | 6.72 0.16 0.00 | 31.20 0.75 0.00 | 43.91 1.10 0.00 | 57.35 1.36 0.00 | 63.83 1.63 0.00 | 50.25 1.34 0.00 | 40.40 1.00 0.00 | 38.83 0.74 0.00 |
| PINELAWN_CC_1 323563 | 40.30 1.55 0.00 | 40.87 1.35 0.00 | 40.63 1.19 0.00 | 40.45 1.01 0.00 | 40.34 0.97 0.00 | 39.06 0.74 0.00 | 48.69 1.28 0.00 | 58.14 2.24 0.00 | 46.13 1.63 0.21 | 38.69 1.49 0.57 | 32.98 1.31 -1.10 | 26.47 1.04 -0.77 | 14.03 0.55 0.05 | 22.74 0.83 0.00 | 18.62 0.70 0.00 | 25.05 0.76 -5.26 | 37.87 0.31 -31.00 | 44.29 1.34 -12.50 | 48.88 1.97 -4.09 | 58.62 2.64 0.00 | 64.80 2.60 0.00 | 50.88 1.97 0.00 | 41.22 1.83 0.00 | 39.83 1.74 0.00 |
| PJM_GEN_HTP_PROXY 323702 | 39.87 1.12 0.00 | 40.47 0.94 0.00 | 40.27 0.84 0.00 | 40.17 0.73 0.00 | 40.20 0.83 0.00 | 39.12 0.79 0.00 | 48.82 1.41 0.00 | 58.26 2.36 0.00 | 46.65 1.94 0.00 | 39.50 1.73 0.00 | 33.58 1.47 -1.54 | 27.24 1.24 -1.34 | 14.21 0.69 0.00 | 22.97 1.06 0.00 | 18.80 0.88 0.00 | 25.21 0.93 -5.24 | 37.79 0.31 -30.92 | 44.29 1.28 -12.56 | 48.67 1.78 -4.09 | 58.25 2.26 0.00 | 62.31 2.47 2.36 | 50.79 1.88 0.00 | 41.00 1.61 0.00 | 39.63 1.54 0.00 |
| PJM_GEN_KEystone 24065 | 38.05 -0.70 0.00 | 38.80 -0.73 0.00 | 38.66 -0.78 0.00 | 38.64 -0.81 0.00 | 38.59 -0.77 0.00 | 37.62 -0.71 0.00 | 46.69 -0.71 0.00 | 55.28 -0.62 0.00 | 44.19 -0.51 0.00 | 37.41 -0.36 0.00 | 28.79 -0.32 1.46 | 23.18 -0.22 1.27 | 13.48 -0.04 0.00 | 21.79 -0.12 0.00 | 17.82 -0.10 0.00 | 13.98 -0.11 4.95 | -22.78 -0.12 29.21 | 18.07 -0.52 11.86 | 38.32 -0.63 3.86 | 55.18 -0.80 0.00 | 58.97 -0.88 2.36 | 48.11 -0.81 0.00 | 38.77 -0.62 0.00 | 37.56 -0.53 0.00 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 39.93 1.18 0.00 | 40.51 0.99 0.00 | 40.28 0.84 0.00 | 40.13 0.69 0.00 | 40.05 0.68 0.00 | 38.83 0.50 0.00 | 48.37 0.96 0.00 | 57.70 1.80 0.00 | 46.05 1.35 0.00 | 39.02 1.26 0.00 | 33.27 1.15 -1.55 | 26.96 0.95 -1.35 | 14.03 0.51 0.00 | 22.69 0.78 0.00 | 18.58 0.66 0.00 | 25.00 0.71 -5.26 | 37.82 0.26 -31.00 | 44.16 1.12 -12.59 | 48.44 1.54 -4.09 | 58.05 2.07 0.00 | 61.90 2.06 2.36 | 50.47 1.55 0.00 | 40.86 1.47 0.00 | 39.49 1.40 0.00 |
| PJM_GEN_VFT_PROXY 323633 | 39.74 1.00 0.00 | 40.35 0.82 0.00 | 40.17 0.74 0.00 | 40.04 0.60 0.00 | 40.08 0.71 0.00 | 38.99 0.66 0.00 | 48.66 1.26 0.00 | 58.08 2.17 0.00 | 46.52 1.81 0.00 | 39.37 1.60 0.00 | 33.48 1.37 -1.54 | 27.16 1.15 -1.34 | 14.17 0.65 0.00 | 22.91 1.00 0.00 | 18.75 0.83 0.00 | 25.15 0.87 -5.24 | 37.73 0.28 -30.90 | 44.14 1.15 -12.55 | 48.49 1.60 -4.08 | 58.05 2.07 0.00 | 62.12 2.28 2.36 | 50.64 1.73 0.00 | 40.86 1.47 0.00 | 39.51 1.41 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 41.17 2.42 0.00 | 41.99 2.47 0.00 | 42.20 2.76 0.00 | 42.27 2.83 0.00 | 42.10 2.74 0.00 | 40.85 2.52 0.00 | 50.16 2.75 0.00 | 58.83 2.93 0.00 | 47.04 2.34 0.00 | 39.76 1.99 0.00 | 32.20 1.63 0.00 | 25.95 1.29 0.00 | 14.17 0.65 0.00 | 22.94 1.03 0.00 | 18.86 0.94 0.00 | 20.08 1.05 0.00 | 6.89 0.33 0.00 | 32.01 1.56 0.00 | 44.93 2.13 0.00 | 58.68 2.70 0.00 | 65.00 2.79 0.00 | 50.65 1.73 0.00 | 40.64 1.25 0.00 | 39.26 1.16 0.00 |
| PLEASANTVLY___LBMP 24000 | 39.59 0.84 0.00 | 40.25 0.73 0.00 | 40.06 0.62 0.00 | 39.96 0.51 0.00 | 39.89 0.52 0.00 | 38.87 0.54 0.00 | 48.42 1.01 0.00 | 57.62 1.72 0.00 | 46.09 1.38 0.00 | 39.00 1.23 0.00 | 32.66 1.06 -1.03 | 26.45 0.89 -0.89 | 13.99 0.47 0.00 | 22.64 0.73 0.00 | 18.53 0.62 0.00 | 23.19 0.66 -3.49 | 27.37 0.21 -20.60 | 39.72 0.90 -8.36 | 46.72 1.18 -2.72 | 57.62 1.64 0.00 | 64.00 1.79 0.00 | 50.27 1.36 0.00 | 40.54 1.15 0.00 | 39.17 1.08 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 39.81 1.06 0.00 | 40.45 0.92 0.00 | 40.27 0.83 0.00 | 40.16 0.72 0.00 | 40.09 0.73 0.00 | 39.09 0.76 0.00 | 48.72 1.32 0.00 | 58.07 2.17 0.00 | 46.46 1.75 0.00 | 39.35 1.58 0.00 | 33.27 1.33 -1.37 | 26.96 1.10 -1.19 | 14.12 0.60 0.00 | 22.84 0.93 0.00 | 18.70 0.78 0.00 | 24.52 0.82 -4.66 | 34.30 0.27 -27.48 | 42.75 1.14 -11.16 | 48.00 1.56 -3.63 | 58.09 2.10 0.00 | 64.47 2.27 0.00 | 50.63 1.72 0.00 | 40.84 1.45 0.00 | 39.46 1.36 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 39.81 1.06 0.00 | 40.45 0.92 0.00 | 40.27 0.83 0.00 | 40.16 0.72 0.00 | 40.09 0.73 0.00 | 39.09 0.76 0.00 | 48.72 1.32 0.00 | 58.07 2.17 0.00 | 46.46 1.75 0.00 | 39.35 1.58 0.00 | 33.27 1.33 -1.37 | 26.96 1.10 -1.19 | 14.12 0.60 0.00 | 22.84 0.93 0.00 | 18.70 0.78 0.00 | 24.52 0.82 -4.66 | 34.30 0.27 -27.48 | 42.75 1.14 -11.16 | 48.00 1.56 -3.63 | 58.09 2.10 0.00 | 64.47 2.27 0.00 | 50.63 1.72 0.00 | 40.84 1.45 0.00 | 39.46 1.36 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 39.91 1.16 0.00 | 40.56 1.04 0.00 | 40.36 0.92 0.00 | 40.25 0.81 0.00 | 40.18 0.82 0.00 | 39.19 0.86 0.00 | 48.88 1.47 0.00 | 58.08 2.18 0.00 | 46.43 1.72 0.00 | 39.22 1.45 0.00 | 32.24 1.22 -0.45 | 26.05 1.00 -0.39 | 14.05 0.52 0.00 | 22.71 0.80 0.00 | 18.58 0.67 0.00 | 21.29 0.72 -1.53 | 15.84 0.23 -9.05 | 35.21 1.09 -3.67 | 45.52 1.51 -1.20 | 58.12 2.14 0.00 | 64.53 2.32 0.00 | 50.68 1.77 0.00 | 40.84 1.45 0.00 | 39.45 1.35 0.00 |
| POLETTI___ 23519 | 39.95 1.20 0.00 | 40.53 1.01 0.00 | 40.34 0.91 0.00 | 40.24 0.80 0.00 | 40.24 0.88 0.00 | 39.20 0.87 0.00 | 48.90 1.50 0.00 | 58.35 2.46 0.00 | 46.74 2.03 0.00 | 39.59 1.82 0.00 | 33.67 1.56 -1.54 | 27.30 1.30 -1.34 | 14.25 0.73 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.25 0.98 -5.24 | 37.77 0.32 -30.90 | 44.34 1.34 -12.55 | 48.75 1.86 -4.08 | 58.36 2.38 0.00 | 64.80 2.60 0.00 | 50.90 1.98 0.00 | 41.08 1.69 0.00 | 39.74 1.64 0.00 |
| POMONA___ESR 323819 | 39.58 0.84 0.00 | 40.23 0.71 0.00 | 40.07 0.63 0.00 | 39.94 0.49 0.00 | 39.89 0.53 0.00 | 38.84 0.51 0.00 | 48.45 1.04 0.00 | 57.71 1.81 0.00 | 46.11 1.41 0.00 | 39.02 1.24 0.00 | 28.66 1.04 2.96 | 22.97 0.88 2.57 | 14.00 0.48 0.00 | 22.64 0.73 0.00 | 18.53 0.62 0.00 | 9.64 0.65 10.04 | -52.45 0.21 59.22 | 7.29 0.89 24.05 | 36.23 1.24 7.82 | 57.78 1.79 0.00 | 64.21 2.00 0.00 | 50.40 1.48 0.00 | 40.62 1.23 0.00 | 39.21 1.12 0.00 |
| PORT_JEFF_3 23555 | 40.21 1.46 0.00 | 40.79 1.26 0.00 | 40.52 1.08 0.00 | 40.34 0.89 0.00 | 40.21 0.85 0.00 | 38.70 0.37 0.00 | 48.25 0.84 0.00 | 57.60 1.70 0.00 | 40.81 1.07 4.97 | 25.50 1.06 13.32 | 22.78 1.02 8.81 | 13.39 0.83 12.10 | 12.93 0.43 1.03 | 22.57 0.66 0.00 | 18.47 0.56 0.01 | 24.92 0.62 -5.26 | 37.82 0.27 -31.00 | 42.07 1.07 -10.54 | 48.56 1.66 -4.09 | 58.28 2.30 0.00 | 64.30 2.09 0.00 | 50.70 1.78 0.00 | 41.14 1.74 0.00 | 39.72 1.62 0.00 |

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| PORT_JEFF_4 23616 | 40.21 1.46 0.00 | 40.79 1.26 0.00 | 40.52 1.08 0.00 | 40.34 0.89 0.00 | 40.21 0.85 0.00 | 38.70 0.37 0.00 | 48.25 0.84 0.00 | 57.60 1.70 0.00 | 40.81 1.07 4.97 | 25.50 1.06 13.32 | 22.78 1.02 8.81 | 13.39 0.83 12.10 | 12.93 0.43 1.03 | 22.57 0.66 0.00 | 18.47 0.56 0.01 | 24.92 0.62 -5.26 | 37.82 0.27 -31.00 | 42.07 1.07 -10.54 | 48.56 1.66 -4.09 | 58.28 2.30 0.00 | 64.30 2.09 0.00 | 50.70 1.78 0.00 | 41.14 1.74 0.00 | 39.72 1.62 0.00 |
| PORT_JEFF_IC 23713 | 40.20 1.45 0.00 | 40.77 1.25 0.00 | 40.51 1.08 0.00 | 40.32 0.88 0.00 | 40.17 0.81 0.00 | 38.66 0.33 0.00 | 48.23 0.82 0.00 | 57.58 1.68 0.00 | 40.54 1.03 5.19 | 24.85 1.01 13.94 | 22.27 0.98 9.28 | 12.75 0.81 12.72 | 12.87 0.42 1.07 | 22.55 0.64 0.00 | 18.45 0.54 0.01 | 24.90 0.61 -5.26 | 37.82 0.26 -31.00 | 41.96 1.06 -10.45 | 48.56 1.65 -4.09 | 58.28 2.30 0.00 | 64.28 2.08 0.00 | 50.67 1.75 0.00 | 41.13 1.73 0.00 | 39.69 1.60 0.00 |
| PPL PILGRIM_ST_GT1 24216 | 40.53 1.78 0.00 | 41.11 1.59 0.00 | 40.89 1.45 0.00 | 40.70 1.26 0.00 | 40.59 1.23 0.00 | 39.27 0.94 0.00 | 48.93 1.53 0.00 | 58.46 2.56 0.00 | 46.16 1.94 0.49 | 38.29 1.84 1.31 | 32.68 1.58 -0.53 | 25.98 1.30 -0.02 | 14.09 0.67 0.10 | 22.89 0.98 0.00 | 18.75 0.83 0.00 | 25.19 0.90 -5.26 | 37.92 0.36 -31.00 | 44.44 1.61 -12.39 | 49.28 2.38 -4.09 | 59.08 3.10 0.00 | 65.21 3.00 0.00 | 51.11 2.19 0.00 | 41.40 2.01 0.00 | 40.02 1.92 0.00 |
| PPL PILGRIM_ST_GT2 24217 | 40.53 1.78 0.00 | 41.11 1.59 0.00 | 40.89 1.45 0.00 | 40.70 1.26 0.00 | 40.59 1.23 0.00 | 39.27 0.94 0.00 | 48.93 1.53 0.00 | 58.46 2.56 0.00 | 46.16 1.94 0.49 | 38.29 1.84 1.31 | 32.68 1.58 -0.53 | 25.98 1.30 -0.02 | 14.09 0.67 0.10 | 22.89 0.98 0.00 | 18.75 0.83 0.00 | 25.19 0.90 -5.26 | 37.92 0.36 -31.00 | 44.44 1.61 -12.39 | 49.28 2.38 -4.09 | 59.08 3.10 0.00 | 65.21 3.00 0.00 | 51.11 2.19 0.00 | 41.40 2.01 0.00 | 40.02 1.92 0.00 |
| PPL_SHRM_GT3 24213 | 39.83 1.08 0.00 | 40.41 0.89 0.00 | 40.12 0.69 0.00 | 39.92 0.47 0.00 | 39.78 0.42 0.00 | 37.86 -0.47 0.00 | 47.49 0.08 0.00 | 56.61 0.71 0.00 | 39.80 -0.02 4.89 | 24.78 0.12 13.11 | 22.23 0.30 8.64 | 13.11 0.33 11.88 | 12.70 0.19 1.01 | 22.21 0.30 0.00 | 18.15 0.24 0.01 | 24.61 0.32 -5.26 | 37.75 0.19 -31.00 | 41.62 0.60 -10.58 | 47.96 1.06 -4.09 | 57.62 1.64 0.00 | 63.27 1.07 0.00 | 49.93 1.02 0.00 | 40.57 1.18 0.00 | 39.10 1.01 0.00 |
| PPL_SHRM_GT4 24214 | 39.83 1.08 0.00 | 40.41 0.89 0.00 | 40.12 0.69 0.00 | 39.92 0.47 0.00 | 39.78 0.42 0.00 | 37.86 -0.47 0.00 | 47.49 0.08 0.00 | 56.61 0.71 0.00 | 39.80 -0.02 4.89 | 24.78 0.12 13.11 | 22.23 0.30 8.64 | 13.11 0.33 11.88 | 12.70 0.19 1.01 | 22.21 0.30 0.00 | 18.15 0.24 0.01 | 24.61 0.32 -5.26 | 37.75 0.19 -31.00 | 41.62 0.60 -10.58 | 47.96 1.06 -4.09 | 57.62 1.64 0.00 | 63.27 1.07 0.00 | 49.93 1.02 0.00 | 40.57 1.18 0.00 | 39.10 1.01 0.00 |
| PROJECT___ORANGE 1 24174 | 37.65 -1.10 0.00 | 38.42 -1.11 0.00 | 38.34 -1.09 0.00 | 38.39 -1.05 0.00 | 38.33 -1.03 0.00 | 37.36 -0.97 0.00 | 46.24 -1.16 0.00 | 54.54 -1.36 0.00 | 43.53 -1.18 0.00 | 36.69 -1.09 0.00 | 29.67 -0.90 0.00 | 23.93 -0.73 0.00 | 13.13 -0.39 0.00 | 21.27 -0.64 0.00 | 17.37 -0.55 0.00 | 18.43 -0.61 0.00 | 6.34 -0.22 0.00 | 29.48 -0.97 0.00 | 41.53 -1.28 0.00 | 54.33 -1.65 0.00 | 60.31 -1.89 0.00 | 47.36 -1.55 0.00 | 38.17 -1.23 0.00 | 36.98 -1.12 0.00 |
| PROJECT___ORANGE 2 24166 | 37.65 -1.10 0.00 | 38.42 -1.11 0.00 | 38.34 -1.09 0.00 | 38.39 -1.05 0.00 | 38.33 -1.03 0.00 | 37.36 -0.97 0.00 | 46.24 -1.16 0.00 | 54.54 -1.36 0.00 | 43.53 -1.18 0.00 | 36.69 -1.09 0.00 | 29.67 -0.90 0.00 | 23.93 -0.73 0.00 | 13.13 -0.39 0.00 | 21.27 -0.64 0.00 | 17.37 -0.55 0.00 | 18.43 -0.61 0.00 | 6.34 -0.22 0.00 | 29.48 -0.97 0.00 | 41.53 -1.28 0.00 | 54.33 -1.65 0.00 | 60.31 -1.89 0.00 | 47.36 -1.55 0.00 | 38.17 -1.23 0.00 | 36.98 -1.12 0.00 |
| PUCKETT___SOLAR 323809 | 38.56 -0.18 0.00 | 39.10 -0.42 0.00 | 38.94 -0.50 0.00 | 38.93 -0.51 0.00 | 38.89 -0.47 0.00 | 38.02 -0.31 0.00 | 47.20 -0.20 0.00 | 55.76 -0.14 0.00 | 44.28 -0.42 0.00 | 37.11 -0.66 0.00 | 29.76 -0.81 0.00 | 24.02 -0.64 0.00 | 13.26 -0.26 0.00 | 21.53 -0.38 0.00 | 17.59 -0.33 0.00 | 18.68 -0.36 0.00 | 6.39 -0.17 0.00 | 30.08 -0.37 0.00 | 42.81 0.00 0.00 | 56.21 0.22 0.00 | 62.23 0.02 0.00 | 48.58 -0.33 0.00 | 39.00 -0.40 0.00 | 37.75 -0.34 0.00 |
| PYRITES___HYD 24023 | 40.66 1.92 0.00 | 41.54 2.01 0.00 | 41.62 2.18 0.00 | 41.72 2.28 0.00 | 41.61 2.25 0.00 | 40.52 2.20 0.00 | 49.98 2.58 0.00 | 58.53 2.63 0.00 | 46.69 1.99 0.00 | 39.15 1.38 0.00 | 31.40 0.84 0.00 | 25.24 0.58 0.00 | 13.82 0.30 0.00 | 22.40 0.48 0.00 | 18.34 0.42 0.00 | 19.58 0.54 0.00 | 6.82 0.26 0.00 | 31.72 1.27 0.00 | 44.79 1.98 0.00 | 58.69 2.71 0.00 | 65.32 3.11 0.00 | 51.46 2.55 0.00 | 41.36 1.97 0.00 | 39.78 1.68 0.00 |
| QUAKERRD_115KV_BK1 80622 | 36.50 -2.25 0.00 | 37.34 -2.19 0.00 | 37.29 -2.15 0.00 | 37.45 -1.99 0.00 | 37.44 -1.92 0.00 | 36.59 -1.74 0.00 | 45.12 -2.29 0.00 | 53.00 -2.90 0.00 | 42.38 -2.32 0.00 | 35.70 -2.07 0.00 | 28.75 -1.82 0.00 | 23.19 -1.47 0.00 | 12.74 -0.78 0.00 | 20.63 -1.28 0.00 | 16.85 -1.06 0.00 | 17.93 -1.11 0.00 | 6.13 -0.43 0.00 | 28.54 -1.91 0.00 | 40.30 -2.51 0.00 | 52.46 -3.53 0.00 | 58.22 -3.99 0.00 | 45.77 -3.14 0.00 | 36.87 -2.52 0.00 | 35.83 -2.26 0.00 |
| QUEENSBRY_115KV_TB8 356137 | 40.34 1.60 0.00 | 41.00 1.47 0.00 | 41.05 1.62 0.00 | 41.06 1.62 0.00 | 41.05 1.68 0.00 | 40.12 1.79 0.00 | 49.92 2.51 0.00 | 59.02 3.11 0.00 | 46.97 2.27 0.00 | 39.53 1.76 0.00 | 31.93 0.96 -0.40 | 25.74 0.73 -0.35 | 13.80 0.28 0.00 | 22.33 0.42 0.00 | 18.30 0.38 0.00 | 20.84 0.44 -1.37 | 14.82 0.18 -8.07 | 34.92 1.19 -3.28 | 45.61 1.74 -1.07 | 58.74 2.76 0.00 | 65.08 2.87 0.00 | 51.05 2.13 0.00 | 41.12 1.73 0.00 | 39.85 1.75 0.00 |
| RAMAPO___LBMP 323565 | 39.41 0.67 0.00 | 40.08 0.55 0.00 | 39.91 0.48 0.00 | 39.79 0.35 0.00 | 39.73 0.37 0.00 | 38.70 0.37 0.00 | 48.26 0.85 0.00 | 57.44 1.54 0.00 | 45.91 1.21 0.00 | 38.83 1.06 0.00 | 28.25 0.89 3.21 | 22.62 0.74 2.79 | 13.93 0.41 0.00 | 22.53 0.62 0.00 | 18.44 0.52 0.00 | 8.68 0.55 10.90 | -57.54 0.17 64.27 | 5.08 0.73 26.10 | 35.34 1.02 8.49 | 57.52 1.53 0.00 | 63.93 1.72 0.00 | 50.18 1.26 0.00 | 40.44 1.05 0.00 | 39.05 0.96 0.00 |
| RANKINE____ 23646 | 37.01 -1.74 0.00 | 37.96 -1.57 0.00 | 37.90 -1.54 0.00 | 38.18 -1.26 0.00 | 38.23 -1.13 0.00 | 37.43 -0.90 0.00 | 45.84 -1.56 0.00 | 53.43 -2.48 0.00 | 42.88 -1.83 0.00 | 36.36 -1.41 0.00 | 29.26 -1.31 0.00 | 23.64 -1.02 0.00 | 13.11 -0.41 0.00 | 21.16 -0.76 0.00 | 17.28 -0.63 0.00 | 18.41 -0.63 0.00 | 6.21 -0.35 0.00 | 28.94 -1.51 0.00 | 40.82 -1.99 0.00 | 52.85 -3.13 0.00 | 58.72 -3.49 0.00 | 46.21 -2.71 0.00 | 37.34 -2.05 0.00 | 36.49 -1.60 0.00 |
| RAVENSWOOD_GT2_1 24244 | 39.96 1.21 0.00 | 40.55 1.03 0.00 | 40.36 0.93 0.00 | 40.25 0.81 0.00 | 40.25 0.88 0.00 | 39.20 0.87 0.00 | 48.90 1.50 0.00 | 58.35 2.45 0.00 | 46.73 2.03 0.00 | 39.57 1.81 0.00 | 33.64 1.53 -1.54 | 27.29 1.29 -1.34 | 14.24 0.72 0.00 | 23.02 1.11 0.00 | 18.84 0.92 0.00 | 25.24 0.97 -5.24 | 37.75 0.32 -30.87 | 44.31 1.33 -12.54 | 48.73 1.84 -4.08 | 58.34 2.36 0.00 | 64.80 2.59 0.00 | 50.88 1.97 0.00 | 41.08 1.68 0.00 | 39.72 1.63 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| RAVENSWOOD_GT2_2 24245 | 39.96 1.21 0.00 | 40.55 1.03 0.00 | 40.36 0.93 0.00 | 40.25 0.81 0.00 | 40.25 0.88 0.00 | 39.20 0.87 0.00 | 48.90 1.50 0.00 | 58.35 2.45 0.00 | 46.73 2.03 0.00 | 39.57 1.81 0.00 | 33.64 1.53 -1.54 | 27.29 1.29 -1.34 | 14.24 0.72 0.00 | 23.02 1.11 0.00 | 18.84 0.92 0.00 | 25.24 0.97 -5.24 | 37.75 0.32 -30.87 | 44.31 1.33 -12.54 | 48.73 1.84 -4.08 | 58.34 2.36 0.00 | 64.80 2.59 0.00 | 50.88 1.97 0.00 | 41.08 1.68 0.00 | 39.72 1.63 0.00 |
| RAVENSWOOD_GT2_3 24246 | 39.98 1.23 0.00 | 40.56 1.04 0.00 | 40.38 0.94 0.00 | 40.27 0.83 0.00 | 40.26 0.90 0.00 | 39.21 0.88 0.00 | 48.92 1.52 0.00 | 58.37 2.47 0.00 | 46.76 2.05 0.00 | 39.60 1.83 0.00 | 33.67 1.56 -1.54 | 27.30 1.30 -1.34 | 14.24 0.72 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.25 0.98 -5.24 | 37.75 0.32 -30.87 | 44.33 1.34 -12.54 | 48.75 1.86 -4.08 | 58.37 2.39 0.00 | 64.82 2.62 0.00 | 50.90 1.99 0.00 | 41.09 1.70 0.00 | 39.74 1.64 0.00 |
| RAVENSWOOD_GT2_4 24247 | 39.98 1.23 0.00 | 40.56 1.04 0.00 | 40.38 0.94 0.00 | 40.27 0.83 0.00 | 40.26 0.90 0.00 | 39.21 0.88 0.00 | 48.92 1.52 0.00 | 58.37 2.47 0.00 | 46.76 2.05 0.00 | 39.60 1.83 0.00 | 33.67 1.56 -1.54 | 27.30 1.30 -1.34 | 14.24 0.72 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.25 0.98 -5.24 | 37.75 0.32 -30.87 | 44.33 1.34 -12.54 | 48.75 1.86 -4.08 | 58.37 2.39 0.00 | 64.82 2.62 0.00 | 50.90 1.99 0.00 | 41.09 1.70 0.00 | 39.74 1.64 0.00 |
| RAVENSWOOD_GT3_1 24248 | 39.96 1.21 0.00 | 40.55 1.03 0.00 | 40.36 0.93 0.00 | 40.26 0.82 0.00 | 40.25 0.89 0.00 | 39.20 0.87 0.00 | 48.90 1.50 0.00 | 58.35 2.45 0.00 | 46.73 2.03 0.00 | 39.57 1.81 0.00 | 33.64 1.53 -1.54 | 27.29 1.29 -1.34 | 14.24 0.72 0.00 | 23.02 1.11 0.00 | 18.84 0.92 0.00 | 25.24 0.97 -5.24 | 37.75 0.32 -30.87 | 44.31 1.33 -12.54 | 48.73 1.84 -4.08 | 58.35 2.37 0.00 | 64.80 2.59 0.00 | 50.89 1.98 0.00 | 41.08 1.68 0.00 | 39.72 1.63 0.00 |
| RAVENSWOOD_GT3_2 24249 | 39.96 1.21 0.00 | 40.55 1.03 0.00 | 40.36 0.93 0.00 | 40.26 0.82 0.00 | 40.25 0.89 0.00 | 39.20 0.87 0.00 | 48.90 1.50 0.00 | 58.35 2.45 0.00 | 46.73 2.03 0.00 | 39.57 1.81 0.00 | 33.64 1.53 -1.54 | 27.29 1.29 -1.34 | 14.24 0.72 0.00 | 23.02 1.11 0.00 | 18.84 0.92 0.00 | 25.24 0.97 -5.24 | 37.75 0.32 -30.87 | 44.31 1.33 -12.54 | 48.73 1.84 -4.08 | 58.35 2.37 0.00 | 64.80 2.59 0.00 | 50.89 1.98 0.00 | 41.08 1.68 0.00 | 39.72 1.63 0.00 |
| RAVENSWOOD_GT3_3 24250 | 40.01 1.27 0.00 | 40.60 1.08 0.00 | 40.41 0.98 0.00 | 40.31 0.87 0.00 | 40.30 0.94 0.00 | 39.25 0.92 0.00 | 48.97 1.57 0.00 | 58.43 2.53 0.00 | 46.80 2.10 0.00 | 39.64 1.88 0.00 | 33.70 1.59 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.76 0.33 -30.87 | 44.36 1.38 -12.54 | 48.79 1.90 -4.08 | 58.44 2.46 0.00 | 64.88 2.68 0.00 | 50.95 2.04 0.00 | 41.14 1.74 0.00 | 39.78 1.68 0.00 |
| RAVENSWOOD_GT3_4 24251 | 40.01 1.27 0.00 | 40.60 1.08 0.00 | 40.41 0.98 0.00 | 40.31 0.87 0.00 | 40.30 0.94 0.00 | 39.25 0.92 0.00 | 48.97 1.57 0.00 | 58.43 2.53 0.00 | 46.80 2.10 0.00 | 39.64 1.88 0.00 | 33.70 1.59 -1.54 | 27.33 1.33 -1.34 | 14.26 0.74 0.00 | 23.05 1.14 0.00 | 18.87 0.95 0.00 | 25.27 1.00 -5.24 | 37.76 0.33 -30.87 | 44.36 1.38 -12.54 | 48.79 1.90 -4.08 | 58.44 2.46 0.00 | 64.88 2.68 0.00 | 50.95 2.04 0.00 | 41.14 1.74 0.00 | 39.78 1.68 0.00 |
| RAVENSWOOD_GT_1 23729 | 43.73 1.37 -3.61 | 44.00 1.15 -3.32 | 43.87 1.07 -3.36 | 43.79 0.95 -3.39 | 43.77 1.01 -3.39 | 43.06 0.99 -3.74 | 50.85 1.64 -1.80 | 58.69 2.64 -0.15 | 49.37 2.22 -2.44 | 43.78 1.99 -4.02 | 39.03 1.67 -6.78 | 33.70 1.42 -7.62 | 23.76 0.79 -9.45 | 30.49 1.23 -7.35 | 27.07 1.02 -8.14 | 32.06 1.07 -11.96 | 42.98 0.35 -36.08 | 47.55 1.43 -15.67 | 51.82 1.97 -7.04 | 63.01 2.51 -4.52 | 66.11 2.79 -1.11 | 53.90 2.15 -2.84 | 44.77 1.85 -3.53 | 44.07 1.81 -4.17 |
| RAVENSWOOD_GT_10 24258 | 40.37 1.20 -0.42 | 40.93 1.03 -0.38 | 40.75 0.92 -0.39 | 40.64 0.81 -0.39 | 40.63 0.88 -0.39 | 39.63 0.87 -0.43 | 49.11 1.50 -0.21 | 58.36 2.44 -0.02 | 47.01 2.02 -0.28 | 40.04 1.80 -0.46 | 34.25 1.53 -2.15 | 28.01 1.28 -2.06 | 15.33 0.71 -1.09 | 23.86 1.10 -0.85 | 19.77 0.91 -0.94 | 26.01 0.97 -6.01 | 38.35 0.31 -31.48 | 44.67 1.33 -12.90 | 49.07 1.84 -4.42 | 58.86 2.36 -0.52 | 64.92 2.59 -0.13 | 51.20 1.96 -0.33 | 41.48 1.68 -0.41 | 40.10 1.62 -0.39 |
| RAVENSWOOD_GT_11 24259 | 40.37 1.20 -0.42 | 40.93 1.03 -0.38 | 40.75 0.92 -0.39 | 40.64 0.81 -0.39 | 40.63 0.88 -0.39 | 39.63 0.87 -0.43 | 49.11 1.50 -0.21 | 58.36 2.44 -0.02 | 47.01 2.02 -0.28 | 40.04 1.80 -0.46 | 34.25 1.53 -2.15 | 28.01 1.28 -2.06 | 15.33 0.71 -1.09 | 23.86 1.10 -0.85 | 19.77 0.91 -0.94 | 26.01 0.97 -6.01 | 38.35 0.31 -31.48 | 44.67 1.33 -12.90 | 49.07 1.84 -4.42 | 58.86 2.36 -0.52 | 64.92 2.59 -0.13 | 51.20 1.96 -0.33 | 41.48 1.68 -0.41 | 40.10 1.62 -0.39 |
| RAVENSWOOD_GT_4 24252 | 42.69 1.19 -2.75 | 43.06 1.01 -2.53 | 42.90 0.90 -2.56 | 42.81 0.79 -2.58 | 42.81 0.86 -2.58 | 42.02 0.85 -2.85 | 50.25 1.48 -1.37 | 58.43 2.42 -0.12 | 48.56 1.99 -1.86 | 42.61 1.78 -3.06 | 37.61 1.51 -5.53 | 32.05 1.27 -6.12 | 21.42 0.70 -7.19 | 28.59 1.08 -5.60 | 25.02 0.90 -6.20 | 30.34 0.95 -10.35 | 41.71 0.31 -34.84 | 46.69 1.31 -14.93 | 50.96 1.82 -6.33 | 61.77 2.35 -3.44 | 65.60 2.55 -0.85 | 53.01 1.94 -2.16 | 43.73 1.66 -2.68 | 42.27 1.59 -2.58 |
| RAVENSWOOD_GT_5 24254 | 42.69 1.19 -2.75 | 43.06 1.01 -2.53 | 42.90 0.90 -2.56 | 42.81 0.79 -2.58 | 42.81 0.86 -2.58 | 42.02 0.85 -2.85 | 50.25 1.48 -1.37 | 58.43 2.42 -0.12 | 48.56 1.99 -1.86 | 42.61 1.78 -3.06 | 37.61 1.51 -5.53 | 32.05 1.27 -6.12 | 21.42 0.70 -7.19 | 28.59 1.08 -5.60 | 25.02 0.90 -6.20 | 30.34 0.95 -10.35 | 41.71 0.31 -34.84 | 46.69 1.31 -14.93 | 50.96 1.82 -6.33 | 61.77 2.35 -3.44 | 65.60 2.55 -0.85 | 53.01 1.94 -2.16 | 43.73 1.66 -2.68 | 42.27 1.59 -2.58 |
| RAVENSWOOD_GT_6 24253 | 42.69 1.19 -2.75 | 43.06 1.01 -2.53 | 42.90 0.90 -2.56 | 42.81 0.79 -2.58 | 42.81 0.86 -2.58 | 42.02 0.85 -2.85 | 50.25 1.48 -1.37 | 58.43 2.42 -0.12 | 48.56 1.99 -1.86 | 42.61 1.78 -3.06 | 37.61 1.51 -5.53 | 32.05 1.27 -6.12 | 21.42 0.70 -7.19 | 28.59 1.08 -5.60 | 25.02 0.90 -6.20 | 30.34 0.95 -10.35 | 41.71 0.31 -34.84 | 46.69 1.31 -14.93 | 50.96 1.82 -6.33 | 61.77 2.35 -3.44 | 65.60 2.55 -0.85 | 53.01 1.94 -2.16 | 43.73 1.66 -2.68 | 42.27 1.59 -2.58 |
| RAVENSWOOD_GT_7 24255 | 42.69 1.19 -2.75 | 43.06 1.01 -2.53 | 42.90 0.90 -2.56 | 42.81 0.79 -2.58 | 42.81 0.86 -2.58 | 42.02 0.85 -2.85 | 50.25 1.48 -1.37 | 58.43 2.42 -0.12 | 48.56 1.99 -1.86 | 42.61 1.78 -3.06 | 37.61 1.51 -5.53 | 32.05 1.27 -6.12 | 21.42 0.70 -7.19 | 28.59 1.08 -5.60 | 25.02 0.90 -6.20 | 30.34 0.95 -10.35 | 41.71 0.31 -34.84 | 46.69 1.31 -14.93 | 50.96 1.82 -6.33 | 61.77 2.35 -3.44 | 65.60 2.55 -0.85 | 53.01 1.94 -2.16 | 43.73 1.66 -2.68 | 42.27 1.59 -2.58 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 40.37 1.20 -0.42 | 40.93 1.03 -0.38 | 40.75 0.92 -0.39 | 40.64 0.81 -0.39 | 40.63 0.88 -0.39 | 39.63 0.87 -0.43 | 49.11 1.50 -0.21 | 58.36 2.44 -0.02 | 47.01 2.02 -0.28 | 40.04 1.80 -0.46 | 34.25 1.53 -2.15 | 28.01 1.28 -2.06 | 15.33 0.71 -1.09 | 23.86 1.10 -0.85 | 19.77 0.91 -0.94 | 26.01 0.97 -6.01 | 38.35 0.31 -31.48 | 44.67 1.33 -12.90 | 49.07 1.84 -4.42 | 58.86 2.36 -0.52 | 64.92 2.59 -0.13 | 51.20 1.96 -0.33 | 41.48 1.68 -0.41 | 40.10 1.62 -0.39 |

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|----------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| RAVENSWOOD_GT_9 24257 | 40.37 1.20 -0.42 | 40.93 1.03 -0.38 | 40.75 0.92 -0.39 | 40.64 0.81 -0.39 | 40.63 0.88 -0.39 | 39.63 0.87 -0.43 | 49.11 1.50 -0.21 | 58.36 2.44 -0.02 | 47.01 2.02 -0.28 | 40.04 1.80 -0.46 | 34.25 1.53 -2.15 | 28.01 1.28 -2.06 | 15.33 0.71 -1.09 | 23.86 1.10 -0.85 | 19.77 0.91 -0.94 | 26.01 0.97 -6.01 | 38.35 0.31 -31.48 | 44.67 1.33 -12.90 | 49.07 1.84 -4.42 | 58.86 2.36 -0.52 | 64.92 2.59 -0.13 | 51.20 1.96 -0.33 | 41.48 1.68 -0.41 | 40.10 1.62 -0.39 |
| RAVENSWOOD___1 23533 | 36.52 1.33 3.56 | 37.39 1.14 3.27 | 37.18 1.05 3.31 | 37.02 0.92 3.34 | 37.05 1.02 3.34 | 35.62 0.97 3.68 | 47.23 1.60 1.78 | 58.32 2.57 0.15 | 44.46 2.16 2.40 | 35.76 1.94 3.95 | 28.59 1.65 3.62 | 21.22 1.40 4.84 | 5.00 0.78 9.30 | 15.87 1.20 7.24 | 10.90 1.00 8.01 | 18.71 1.05 1.38 | 32.65 0.34 -25.75 | 41.29 1.40 -9.45 | 45.90 1.93 -1.16 | 54.01 2.48 4.45 | 63.86 2.75 1.10 | 48.23 2.12 2.80 | 37.75 1.83 3.47 | 36.53 1.77 3.34 |
| RAVENSWOOD___2 23534 | 36.52 1.33 3.56 | 37.39 1.14 3.27 | 37.18 1.05 3.31 | 37.02 0.92 3.34 | 37.05 1.02 3.34 | 35.62 0.97 3.68 | 47.23 1.60 1.78 | 58.32 2.57 0.15 | 44.46 2.16 2.40 | 35.76 1.94 3.95 | 28.59 1.65 3.62 | 21.22 1.40 4.84 | 5.00 0.78 9.30 | 15.87 1.20 7.24 | 10.90 1.00 8.01 | 18.71 1.05 1.38 | 32.65 0.34 -25.75 | 41.29 1.40 -9.45 | 45.90 1.93 -1.16 | 54.01 2.48 4.45 | 63.86 2.75 1.10 | 48.23 2.12 2.80 | 37.75 1.83 3.47 | 36.53 1.77 3.34 |
| RAVENSWOOD___3 23535 | 39.96 1.21 0.00 | 40.55 1.03 0.00 | 40.36 0.93 0.00 | 40.26 0.82 0.00 | 40.28 0.92 0.00 | 39.20 0.87 0.00 | 48.91 1.50 0.00 | 58.36 2.45 0.00 | 46.74 2.03 0.00 | 39.58 1.82 0.00 | 33.65 1.53 -1.54 | 27.29 1.29 -1.34 | 14.24 0.72 0.00 | 23.02 1.11 0.00 | 18.84 0.92 0.00 | 25.24 0.97 -5.24 | 37.75 0.32 -30.87 | 44.32 1.33 -12.54 | 48.73 1.84 -4.08 | 58.35 2.37 0.00 | 64.80 2.60 0.00 | 50.90 1.99 0.00 | 41.08 1.69 0.00 | 39.72 1.63 0.00 |
| RAVENSWOOD___4 23820 | 36.52 1.33 3.56 | 37.39 1.14 3.27 | 37.18 1.05 3.31 | 37.02 0.92 3.34 | 37.05 1.02 3.34 | 35.62 0.97 3.68 | 47.23 1.60 1.78 | 58.32 2.57 0.15 | 44.46 2.16 2.40 | 35.76 1.94 3.95 | 28.59 1.65 3.62 | 21.22 1.40 4.84 | 5.00 0.78 9.30 | 15.87 1.20 7.24 | 10.90 1.00 8.01 | 18.71 1.05 1.38 | 32.65 0.34 -25.75 | 41.29 1.40 -9.45 | 45.90 1.93 -1.16 | 54.01 2.48 4.45 | 63.86 2.75 1.10 | 48.23 2.12 2.80 | 37.75 1.83 3.47 | 36.53 1.77 3.34 |
| RCPL_TRUST___DRP 24196 | 39.91 1.16 0.00 | 40.50 0.97 0.00 | 40.31 0.87 0.00 | 40.20 0.76 0.00 | 40.20 0.84 0.00 | 39.16 0.83 0.00 | 48.87 1.47 0.00 | 58.33 2.43 0.00 | 46.72 2.02 0.00 | 39.56 1.79 0.00 | 33.64 1.53 -1.54 | 27.29 1.28 -1.34 | 14.24 0.71 0.00 | 23.01 1.10 0.00 | 18.83 0.91 0.00 | 25.24 0.97 -5.24 | 37.80 0.31 -30.92 | 44.34 1.34 -12.56 | 48.74 1.85 -4.09 | 58.31 2.33 0.00 | 64.73 2.52 0.00 | 50.82 1.91 0.00 | 41.02 1.63 0.00 | 39.66 1.57 0.00 |
| RED___ROCHESTER 323720 | 37.37 -1.38 0.00 | 38.24 -1.29 0.00 | 38.17 -1.27 0.00 | 38.37 -1.07 0.00 | 38.35 -1.01 0.00 | 37.52 -0.81 0.00 | 46.23 -1.18 0.00 | 54.20 -1.71 0.00 | 43.34 -1.37 0.00 | 36.47 -1.31 0.00 | 29.34 -1.23 0.00 | 23.66 -1.00 0.00 | 13.01 -0.51 0.00 | 21.07 -0.83 0.00 | 17.22 -0.70 0.00 | 18.32 -0.72 0.00 | 6.26 -0.30 0.00 | 29.19 -1.26 0.00 | 41.26 -1.55 0.00 | 53.67 -2.31 0.00 | 59.60 -2.60 0.00 | 46.84 -2.07 0.00 | 37.74 -1.65 0.00 | 36.69 -1.41 0.00 |
| REGAN___SOLAR 323812 | 40.80 2.05 0.00 | 41.53 2.01 0.00 | 41.44 2.01 0.00 | 41.48 2.04 0.00 | 41.45 2.08 0.00 | 40.42 2.09 0.00 | 50.23 2.82 0.00 | 59.41 3.51 0.00 | 46.88 2.18 0.00 | 38.92 1.15 0.00 | 31.76 0.88 -0.31 | 25.37 0.43 -0.27 | 13.58 0.06 0.00 | 22.01 0.10 0.00 | 18.00 0.09 0.00 | 19.97 -0.13 -1.07 | 12.84 -0.02 -6.30 | 34.07 1.07 -2.56 | 45.99 2.35 -0.83 | 59.42 3.43 0.00 | 66.00 3.79 0.00 | 51.82 2.91 0.00 | 41.61 2.21 0.00 | 40.14 2.04 0.00 |
| RENSSELAER___COGEN 23796 | 39.62 0.88 0.00 | 40.49 0.97 0.00 | 40.33 0.90 0.00 | 40.30 0.86 0.00 | 40.24 0.87 0.00 | 39.20 0.87 0.00 | 48.61 1.21 0.00 | 57.49 1.59 0.00 | 45.96 1.26 0.00 | 38.83 1.06 0.00 | 31.83 0.83 -0.43 | 25.69 0.65 -0.38 | 13.83 0.31 0.00 | 22.41 0.50 0.00 | 18.36 0.44 0.00 | 20.97 0.47 -1.47 | 15.41 0.17 -8.68 | 34.76 0.79 -3.52 | 45.01 1.06 -1.15 | 57.48 1.49 0.00 | 63.79 1.59 0.00 | 50.19 1.28 0.00 | 40.44 1.05 0.00 | 39.16 1.07 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 41.88 3.14 0.00 | 42.42 2.89 0.00 | 42.84 3.40 0.00 | 42.88 3.44 0.00 | 42.94 3.57 0.00 | 42.04 3.70 0.00 | 52.39 4.99 0.00 | 61.82 5.92 0.00 | 48.87 4.16 0.00 | 41.08 3.31 0.00 | 32.93 1.95 -0.40 | 26.52 1.51 -0.35 | 14.19 0.67 0.00 | 22.97 1.06 0.00 | 18.95 1.03 0.00 | 21.62 1.21 -1.38 | 15.08 0.42 -8.10 | 36.37 2.63 -3.29 | 47.66 3.78 -1.07 | 62.09 6.10 0.00 | 68.76 6.56 0.00 | 53.72 4.81 0.00 | 43.10 3.71 0.00 | 41.71 3.61 0.00 |
| REVERE_CPFR_DRP 24186 | 39.88 1.13 0.00 | 40.52 1.00 0.00 | 40.49 1.05 0.00 | 40.52 1.07 0.00 | 40.42 1.05 0.00 | 39.44 1.11 0.00 | 49.07 1.67 0.00 | 57.96 2.06 0.00 | 46.21 1.50 0.00 | 38.73 0.96 0.00 | 31.10 0.52 0.00 | 24.94 0.28 0.00 | 13.64 0.11 0.00 | 22.09 0.18 0.00 | 18.06 0.15 0.00 | 19.23 0.20 0.00 | 6.67 0.12 0.00 | 31.32 0.87 0.00 | 44.40 1.60 0.00 | 58.29 2.30 0.00 | 64.65 2.45 0.00 | 50.59 1.67 0.00 | 40.60 1.21 0.00 | 39.11 1.02 0.00 |
| REYNOLDS_115KV_TB3 80639 | 39.69 0.94 0.00 | 40.49 0.97 0.00 | 40.30 0.86 0.00 | 40.28 0.84 0.00 | 40.19 0.83 0.00 | 39.17 0.84 0.00 | 48.55 1.15 0.00 | 57.39 1.49 0.00 | 45.91 1.21 0.00 | 38.80 1.03 0.00 | 31.82 0.80 -0.45 | 25.67 0.62 -0.39 | 13.82 0.30 0.00 | 22.39 0.48 0.00 | 18.35 0.43 0.00 | 21.02 0.47 -1.52 | 15.66 0.17 -8.93 | 34.85 0.77 -3.63 | 44.97 0.98 -1.18 | 57.36 1.38 0.00 | 63.66 1.45 0.00 | 50.12 1.21 0.00 | 40.39 1.00 0.00 | 39.14 1.05 0.00 |
| RIVERBAY____ 323610 | 40.11 1.36 0.00 | 40.65 1.13 0.00 | 40.54 1.10 0.00 | 40.46 1.02 0.00 | 40.44 1.08 0.00 | 39.49 1.16 0.00 | 49.26 1.86 0.00 | 58.69 2.79 0.00 | 46.99 2.28 0.00 | 39.65 1.88 0.00 | 33.56 1.45 -1.54 | 27.23 1.23 -1.34 | 14.21 0.68 0.00 | 22.96 1.04 0.00 | 18.79 0.87 0.00 | 25.18 0.91 -5.24 | 37.73 0.30 -30.87 | 44.21 1.22 -12.54 | 48.69 1.80 -4.08 | 58.29 2.31 0.00 | 64.88 2.67 0.00 | 51.02 2.10 0.00 | 41.15 1.76 0.00 | 39.68 1.57 -0.01 |
| RIVERSIDE_115KV_TB3 55908 | 39.73 0.99 0.00 | 40.55 1.03 0.00 | 40.38 0.94 0.00 | 40.35 0.91 0.00 | 40.27 0.90 0.00 | 39.25 0.92 0.00 | 48.66 1.26 0.00 | 57.55 1.65 0.00 | 46.02 1.32 0.00 | 38.88 1.12 0.00 | 31.88 0.87 -0.44 | 25.73 0.68 -0.38 | 13.85 0.33 0.00 | 22.44 0.52 0.00 | 18.39 0.47 0.00 | 21.02 0.50 -1.49 | 15.51 0.18 -8.77 | 34.85 0.84 -3.56 | 45.06 1.10 -1.16 | 57.52 1.54 0.00 | 63.84 1.64 0.00 | 50.24 1.33 0.00 | 40.49 1.09 0.00 | 39.21 1.12 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 38.99 0.24 0.00 | 39.75 0.23 0.00 | 39.58 0.14 0.00 | 39.55 0.11 0.00 | 39.51 0.15 0.00 | 38.38 0.05 0.00 | 47.24 -0.17 0.00 | 55.41 -0.49 0.00 | 44.42 -0.29 0.00 | 37.61 -0.16 0.00 | 30.55 -0.02 0.00 | 24.65 -0.01 0.00 | 13.54 0.02 0.00 | 21.96 0.05 0.00 | 17.99 0.07 0.00 | 19.15 0.11 0.00 | 6.61 0.05 0.00 | 30.69 0.24 0.00 | 43.17 0.36 0.00 | 56.36 0.38 0.00 | 62.50 0.29 0.00 | 48.88 -0.03 0.00 | 39.15 -0.24 0.00 | 37.67 -0.43 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| ROCHESRG_115KV_T4 355643 | 36.96 -1.79 0.00 | 37.84 -1.69 0.00 | 37.78 -1.66 0.00 | 37.97 -1.47 0.00 | 37.96 -1.41 0.00 | 37.10 -1.23 0.00 | 45.66 -1.74 0.00 | 53.51 -2.39 0.00 | 42.81 -1.89 0.00 | 36.09 -1.68 0.00 | 29.06 -1.51 0.00 | 23.45 -1.21 0.00 | 12.91 -0.61 0.00 | 20.90 -1.02 0.00 | 17.06 -0.85 0.00 | 18.16 -0.87 0.00 | 6.20 -0.36 0.00 | 28.86 -1.59 0.00 | 40.74 -2.07 0.00 | 52.99 -2.99 0.00 | 58.83 -3.37 0.00 | 46.27 -2.64 0.00 | 37.30 -2.09 0.00 | 36.30 -1.80 0.00 |
| ROCHESTER_9_IC 23652 | 37.17 -1.58 0.00 | 38.05 -1.48 0.00 | 37.98 -1.46 0.00 | 38.18 -1.26 0.00 | 38.18 -1.19 0.00 | 37.33 -1.00 0.00 | 45.96 -1.44 0.00 | 53.87 -2.04 0.00 | 43.10 -1.61 0.00 | 36.29 -1.48 0.00 | 29.21 -1.36 0.00 | 23.56 -1.10 0.00 | 12.96 -0.56 0.00 | 20.99 -0.92 0.00 | 17.15 -0.77 0.00 | 18.24 -0.79 0.00 | 6.23 -0.33 0.00 | 29.02 -1.43 0.00 | 40.99 -1.82 0.00 | 53.34 -2.64 0.00 | 59.23 -2.97 0.00 | 46.57 -2.35 0.00 | 37.53 -1.87 0.00 | 36.50 -1.60 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 39.96 1.22 0.00 | 40.58 1.06 0.00 | 40.39 0.95 0.00 | 40.27 0.83 0.00 | 40.22 0.86 0.00 | 39.20 0.87 0.00 | 48.90 1.50 0.00 | 58.29 2.39 0.00 | 46.65 1.94 0.00 | 39.51 1.74 0.00 | 33.59 1.48 -1.54 | 27.23 1.23 -1.34 | 14.20 0.68 0.00 | 22.96 1.05 0.00 | 18.79 0.87 0.00 | 25.19 0.92 -5.23 | 37.72 0.31 -30.86 | 44.29 1.31 -12.53 | 48.69 1.81 -4.08 | 58.38 2.40 0.00 | 64.81 2.61 0.00 | 50.90 1.99 0.00 | 41.06 1.67 0.00 | 39.66 1.56 0.00 |
| ROME____115KV_TB2 80656 | 39.88 1.13 0.00 | 40.52 1.00 0.00 | 40.49 1.05 0.00 | 40.52 1.07 0.00 | 40.42 1.05 0.00 | 39.44 1.11 0.00 | 49.07 1.67 0.00 | 57.96 2.06 0.00 | 46.21 1.50 0.00 | 38.73 0.96 0.00 | 31.10 0.52 0.00 | 24.94 0.28 0.00 | 13.64 0.11 0.00 | 22.09 0.18 0.00 | 18.06 0.15 0.00 | 19.23 0.20 0.00 | 6.67 0.12 0.00 | 31.32 0.87 0.00 | 44.40 1.60 0.00 | 58.29 2.30 0.00 | 64.65 2.45 0.00 | 50.59 1.67 0.00 | 40.60 1.21 0.00 | 39.11 1.02 0.00 |
| ROSETON___1 23587 | 39.54 0.79 0.00 | 40.21 0.68 0.00 | 40.02 0.58 0.00 | 39.91 0.47 0.00 | 39.87 0.51 0.00 | 38.83 0.50 0.00 | 48.37 0.96 0.00 | 57.63 1.73 0.00 | 46.11 1.40 0.00 | 39.02 1.25 0.00 | 32.64 1.07 -1.00 | 26.42 0.90 -0.87 | 14.00 0.48 0.00 | 22.65 0.74 0.00 | 18.54 0.63 0.00 | 23.09 0.66 -3.39 | 26.76 0.21 -19.99 | 39.49 0.92 -8.12 | 46.63 1.18 -2.64 | 57.56 1.58 0.00 | 63.93 1.73 0.00 | 50.23 1.32 0.00 | 40.50 1.10 0.00 | 39.12 1.03 0.00 |
| ROSETON___2 23588 | 39.54 0.79 0.00 | 40.21 0.68 0.00 | 40.02 0.58 0.00 | 39.91 0.47 0.00 | 39.87 0.51 0.00 | 38.83 0.50 0.00 | 48.37 0.96 0.00 | 57.63 1.73 0.00 | 46.11 1.40 0.00 | 39.02 1.25 0.00 | 32.64 1.07 -1.00 | 26.42 0.90 -0.87 | 14.00 0.48 0.00 | 22.65 0.74 0.00 | 18.54 0.63 0.00 | 23.09 0.66 -3.39 | 26.76 0.21 -19.99 | 39.49 0.92 -8.12 | 46.63 1.18 -2.64 | 57.56 1.58 0.00 | 63.93 1.73 0.00 | 50.23 1.32 0.00 | 40.50 1.10 0.00 | 39.12 1.03 0.00 |
| ROTRRDAM_115KV_TB3 80664 | 39.50 0.76 0.00 | 40.24 0.71 0.00 | 40.09 0.65 0.00 | 40.08 0.63 0.00 | 40.01 0.64 0.00 | 38.99 0.66 0.00 | 48.36 0.96 0.00 | 57.19 1.28 0.00 | 45.65 0.95 0.00 | 38.51 0.75 0.00 | 31.48 0.54 -0.38 | 25.40 0.41 -0.33 | 13.71 0.19 0.00 | 22.21 0.30 0.00 | 18.17 0.25 0.00 | 20.57 0.25 -1.28 | 14.18 0.10 -7.53 | 34.05 0.54 -3.06 | 44.61 0.81 -0.99 | 57.19 1.21 0.00 | 63.49 1.29 0.00 | 49.91 1.00 0.00 | 40.19 0.80 0.00 | 38.88 0.78 0.00 |
| RUSSELL___1 23602 | 37.37 -1.38 0.00 | 38.24 -1.29 0.00 | 38.17 -1.27 0.00 | 38.37 -1.08 0.00 | 38.36 -1.01 0.00 | 37.52 -0.81 0.00 | 46.23 -1.18 0.00 | 54.19 -1.71 0.00 | 43.34 -1.37 0.00 | 36.48 -1.29 0.00 | 29.34 -1.23 0.00 | 23.67 -1.00 0.00 | 13.01 -0.51 0.00 | 21.07 -0.83 0.00 | 17.22 -0.70 0.00 | 18.31 -0.72 0.00 | 6.25 -0.31 0.00 | 29.18 -1.26 0.00 | 41.24 -1.57 0.00 | 53.67 -2.31 0.00 | 59.61 -2.60 0.00 | 46.85 -2.07 0.00 | 37.74 -1.66 0.00 | 36.69 -1.41 0.00 |
| RUSSELL___2 23532 | 37.37 -1.38 0.00 | 38.24 -1.29 0.00 | 38.17 -1.27 0.00 | 38.37 -1.08 0.00 | 38.36 -1.01 0.00 | 37.52 -0.81 0.00 | 46.23 -1.18 0.00 | 54.19 -1.71 0.00 | 43.34 -1.37 0.00 | 36.48 -1.29 0.00 | 29.34 -1.23 0.00 | 23.67 -1.00 0.00 | 13.01 -0.51 0.00 | 21.07 -0.83 0.00 | 17.22 -0.70 0.00 | 18.31 -0.72 0.00 | 6.25 -0.31 0.00 | 29.18 -1.26 0.00 | 41.24 -1.57 0.00 | 53.67 -2.31 0.00 | 59.61 -2.60 0.00 | 46.85 -2.07 0.00 | 37.74 -1.66 0.00 | 36.69 -1.41 0.00 |
| RUSSELL___3 23549 | 37.37 -1.38 0.00 | 38.24 -1.29 0.00 | 38.17 -1.27 0.00 | 38.37 -1.08 0.00 | 38.36 -1.01 0.00 | 37.52 -0.81 0.00 | 46.23 -1.18 0.00 | 54.19 -1.71 0.00 | 43.34 -1.37 0.00 | 36.48 -1.29 0.00 | 29.34 -1.23 0.00 | 23.67 -1.00 0.00 | 13.01 -0.51 0.00 | 21.07 -0.83 0.00 | 17.22 -0.70 0.00 | 18.31 -0.72 0.00 | 6.25 -0.31 0.00 | 29.18 -1.26 0.00 | 41.24 -1.57 0.00 | 53.67 -2.31 0.00 | 59.61 -2.60 0.00 | 46.85 -2.07 0.00 | 37.74 -1.66 0.00 | 36.69 -1.41 0.00 |
| RUSSELL___4 23556 | 37.37 -1.38 0.00 | 38.24 -1.29 0.00 | 38.17 -1.27 0.00 | 38.37 -1.08 0.00 | 38.36 -1.01 0.00 | 37.52 -0.81 0.00 | 46.23 -1.18 0.00 | 54.19 -1.71 0.00 | 43.34 -1.37 0.00 | 36.48 -1.29 0.00 | 29.34 -1.23 0.00 | 23.67 -1.00 0.00 | 13.01 -0.51 0.00 | 21.07 -0.83 0.00 | 17.22 -0.70 0.00 | 18.31 -0.72 0.00 | 6.25 -0.31 0.00 | 29.18 -1.26 0.00 | 41.24 -1.57 0.00 | 53.67 -2.31 0.00 | 59.61 -2.60 0.00 | 46.85 -2.07 0.00 | 37.74 -1.66 0.00 | 36.69 -1.41 0.00 |
| RUSSELL___STATION 23914 | 37.37 -1.38 0.00 | 38.24 -1.29 0.00 | 38.17 -1.27 0.00 | 38.37 -1.08 0.00 | 38.36 -1.01 0.00 | 37.52 -0.81 0.00 | 46.23 -1.18 0.00 | 54.19 -1.71 0.00 | 43.34 -1.37 0.00 | 36.48 -1.29 0.00 | 29.34 -1.23 0.00 | 23.67 -1.00 0.00 | 13.01 -0.51 0.00 | 21.07 -0.83 0.00 | 17.22 -0.70 0.00 | 18.31 -0.72 0.00 | 6.25 -0.31 0.00 | 29.18 -1.26 0.00 | 41.24 -1.57 0.00 | 53.67 -2.31 0.00 | 59.61 -2.60 0.00 | 46.85 -2.07 0.00 | 37.74 -1.66 0.00 | 36.69 -1.41 0.00 |
| S SALMON___HYD 24043 | 37.95 -0.80 0.00 | 38.58 -0.94 0.00 | 38.65 -0.79 0.00 | 38.70 -0.75 0.00 | 38.55 -0.82 0.00 | 37.47 -0.86 0.00 | 46.46 -0.95 0.00 | 54.79 -1.11 0.00 | 43.72 -0.99 0.00 | 36.70 -1.07 0.00 | 29.60 -0.97 0.00 | 23.80 -0.86 0.00 | 12.98 -0.53 0.00 | 21.02 -0.90 0.00 | 17.17 -0.75 0.00 | 18.28 -0.75 0.00 | 6.35 -0.21 0.00 | 29.66 -0.79 0.00 | 41.99 -0.82 0.00 | 55.07 -0.91 0.00 | 61.10 -1.10 0.00 | 47.89 -1.02 0.00 | 38.47 -0.92 0.00 | 37.01 -1.09 0.00 |
| S.PERRY__115KV_TB1 80734 | 37.74 -1.01 0.00 | 38.59 -0.94 0.00 | 38.55 -0.89 0.00 | 38.81 -0.63 0.00 | 38.83 -0.54 0.00 | 38.02 -0.31 0.00 | 47.07 -0.34 0.00 | 55.32 -0.58 0.00 | 44.04 -0.66 0.00 | 36.52 -1.25 0.00 | 29.41 -1.17 0.00 | 23.66 -1.00 0.00 | 13.07 -0.45 0.00 | 21.14 -0.77 0.00 | 17.25 -0.66 0.00 | 18.33 -0.71 0.00 | 6.26 -0.30 0.00 | 29.35 -1.09 0.00 | 41.94 -0.87 0.00 | 55.44 -0.54 0.00 | 61.67 -0.54 0.00 | 48.41 -0.51 0.00 | 38.86 -0.54 0.00 | 37.66 -0.44 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 36.48 -2.27 0.00 | 37.43 -2.09 0.00 | 37.40 -2.04 0.00 | 37.68 -1.76 0.00 | 37.71 -1.66 0.00 | 36.91 -1.42 0.00 | 45.15 -2.25 0.00 | 52.52 -3.38 0.00 | 42.20 -2.51 0.00 | 35.77 -2.00 0.00 | 28.78 -1.79 0.00 | 23.26 -1.40 0.00 | 12.91 -0.61 0.00 | 20.83 -1.09 0.00 | 17.01 -0.90 0.00 | 18.13 -0.90 0.00 | 6.13 -0.43 0.00 | 28.49 -1.96 0.00 | 40.16 -2.65 0.00 | 51.91 -4.08 0.00 | 57.66 -4.55 0.00 | 45.43 -3.49 0.00 | 36.73 -2.66 0.00 | 35.93 -2.16 0.00 |

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| SAWYER___23_KV_LOAD 55526 | 36.48 -2.27 0.00 | 37.43 -2.09 0.00 | 37.40 -2.04 0.00 | 37.68 -1.76 0.00 | 37.71 -1.66 0.00 | 36.91 -1.42 0.00 | 45.15 -2.25 0.00 | 52.52 -3.38 0.00 | 42.20 -2.51 0.00 | 35.77 -2.00 0.00 | 28.78 -1.79 0.00 | 23.26 -1.40 0.00 | 12.91 -0.61 0.00 | 20.83 -1.09 0.00 | 17.01 -0.90 0.00 | 18.13 -0.90 0.00 | 6.13 -0.43 0.00 | 28.49 -1.96 0.00 | 40.16 -2.65 0.00 | 51.91 -4.08 0.00 | 57.66 -4.55 0.00 | 45.43 -3.49 0.00 | 36.73 -2.66 0.00 | 35.93 -2.16 0.00 |
| SELKIRK___I 23801 | 39.06 0.31 0.00 | 40.47 0.95 0.00 | 40.39 0.95 0.00 | 40.37 0.93 0.00 | 40.31 0.94 0.00 | 39.27 0.95 0.00 | 48.68 1.28 0.00 | 57.52 1.62 0.00 | 45.87 1.16 0.00 | 38.65 0.88 0.00 | 31.69 0.72 -0.39 | 25.54 0.54 -0.34 | 13.76 0.24 0.00 | 22.28 0.37 0.00 | 18.26 0.35 0.00 | 20.72 0.36 -1.33 | 14.54 0.13 -7.85 | 34.37 0.73 -3.19 | 44.92 1.07 -1.04 | 57.49 1.51 0.00 | 63.83 1.63 0.00 | 50.23 1.31 0.00 | 40.47 1.08 0.00 | 39.19 1.09 0.00 |
| SELKIRK___II 23799 | 39.20 0.46 0.00 | 40.24 0.71 0.00 | 40.18 0.74 0.00 | 40.14 0.70 0.00 | 40.07 0.71 0.00 | 39.04 0.71 0.00 | 48.42 1.01 0.00 | 57.27 1.37 0.00 | 45.78 1.07 0.00 | 38.67 0.90 0.00 | 31.70 0.71 -0.42 | 25.59 0.57 -0.37 | 13.79 0.27 0.00 | 22.34 0.43 0.00 | 18.30 0.38 0.00 | 20.86 0.40 -1.43 | 15.12 0.14 -8.42 | 34.54 0.67 -3.42 | 44.82 0.91 -1.11 | 57.26 1.28 0.00 | 63.57 1.37 0.00 | 50.01 1.10 0.00 | 40.30 0.90 0.00 | 39.01 0.91 0.00 |
| SENECA OSWGO___HYD 24041 | 37.29 -1.45 0.00 | 38.05 -1.48 0.00 | 37.99 -1.45 0.00 | 38.04 -1.40 0.00 | 37.96 -1.41 0.00 | 36.99 -1.34 0.00 | 45.77 -1.64 0.00 | 53.96 -1.94 0.00 | 43.07 -1.64 0.00 | 36.28 -1.49 0.00 | 29.36 -1.22 0.00 | 23.65 -1.01 0.00 | 12.97 -0.55 0.00 | 21.00 -0.91 0.00 | 17.16 -0.76 0.00 | 18.21 -0.82 0.00 | 6.27 -0.28 0.00 | 29.20 -1.24 0.00 | 41.14 -1.66 0.00 | 53.85 -2.13 0.00 | 59.78 -2.43 0.00 | 46.94 -1.98 0.00 | 37.78 -1.61 0.00 | 36.60 -1.49 0.00 |
| SENECA___115KV_TB3 355854 | 37.08 -1.67 0.00 | 38.02 -1.51 0.00 | 37.97 -1.47 0.00 | 38.25 -1.20 0.00 | 38.30 -1.07 0.00 | 37.48 -0.84 0.00 | 45.93 -1.48 0.00 | 53.52 -2.38 0.00 | 42.96 -1.74 0.00 | 36.43 -1.34 0.00 | 29.32 -1.25 0.00 | 23.68 -0.98 0.00 | 13.13 -0.39 0.00 | 21.19 -0.72 0.00 | 17.32 -0.60 0.00 | 18.44 -0.60 0.00 | 6.22 -0.34 0.00 | 28.99 -1.46 0.00 | 40.89 -1.91 0.00 | 52.95 -3.03 0.00 | 58.82 -3.39 0.00 | 46.29 -2.62 0.00 | 37.40 -1.99 0.00 | 36.54 -1.55 0.00 |
| SENECA___ENERGY 23797 | 37.53 -1.22 0.00 | 38.30 -1.22 0.00 | 38.22 -1.22 0.00 | 38.31 -1.14 0.00 | 38.29 -1.08 0.00 | 37.44 -0.89 0.00 | 46.39 -1.01 0.00 | 54.63 -1.28 0.00 | 43.57 -1.13 0.00 | 36.60 -1.17 0.00 | 29.46 -1.11 0.00 | 23.71 -0.96 0.00 | 13.03 -0.49 0.00 | 21.10 -0.81 0.00 | 17.23 -0.69 0.00 | 18.29 -0.74 0.00 | 6.27 -0.29 0.00 | 29.33 -1.12 0.00 | 41.58 -1.23 0.00 | 54.46 -1.52 0.00 | 60.45 -1.76 0.00 | 47.46 -1.45 0.00 | 38.16 -1.24 0.00 | 36.97 -1.13 0.00 |
| SHOEMAKER___GT 23640 | 39.42 0.67 0.00 | 40.09 0.57 0.00 | 39.94 0.50 0.00 | 39.84 0.39 0.00 | 39.80 0.43 0.00 | 38.74 0.42 0.00 | 48.21 0.81 0.00 | 57.17 1.27 0.00 | 45.66 0.96 0.00 | 38.56 0.79 0.00 | 28.59 0.60 2.58 | 22.96 0.54 2.24 | 13.81 0.29 0.00 | 22.36 0.45 0.00 | 18.28 0.36 0.00 | 10.64 0.36 8.76 | -45.00 0.12 51.68 | 10.01 0.55 20.98 | 36.83 0.85 6.83 | 57.34 1.36 0.00 | 63.73 1.52 0.00 | 50.07 1.16 0.00 | 40.35 0.95 0.00 | 38.97 0.88 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 39.39 0.64 0.00 | 40.07 0.54 0.00 | 39.91 0.47 0.00 | 39.81 0.37 0.00 | 39.74 0.37 0.00 | 38.72 0.40 0.00 | 48.19 0.78 0.00 | 57.16 1.25 0.00 | 45.66 0.95 0.00 | 38.57 0.80 0.00 | 28.66 0.63 2.54 | 23.01 0.55 2.21 | 13.82 0.30 0.00 | 22.37 0.46 0.00 | 18.29 0.37 0.00 | 10.81 0.38 8.61 | -44.10 0.13 50.78 | 10.39 0.57 20.62 | 36.95 0.85 6.71 | 57.32 1.34 0.00 | 63.70 1.49 0.00 | 50.04 1.13 0.00 | 40.33 0.93 0.00 | 38.94 0.85 0.00 |
| SHOREHAM_IC_1 23715 | 39.83 1.08 0.00 | 40.41 0.89 0.00 | 40.12 0.69 0.00 | 39.92 0.47 0.00 | 39.78 0.42 0.00 | 37.86 -0.47 0.00 | 47.49 0.08 0.00 | 56.61 0.71 0.00 | 39.80 -0.02 4.89 | 24.78 0.12 13.11 | 22.23 0.30 8.64 | 13.11 0.33 11.88 | 12.70 0.19 1.01 | 22.21 0.30 0.00 | 18.15 0.24 0.01 | 24.61 0.32 -5.26 | 37.75 0.19 -31.00 | 41.62 0.60 -10.58 | 47.96 1.06 -4.09 | 57.62 1.64 0.00 | 63.27 1.07 0.00 | 49.93 1.02 0.00 | 40.57 1.18 0.00 | 39.10 1.01 0.00 |
| SHOREHAM_IC_2 23716 | 39.83 1.08 0.00 | 40.41 0.89 0.00 | 40.12 0.69 0.00 | 39.92 0.47 0.00 | 39.78 0.42 0.00 | 37.86 -0.47 0.00 | 47.49 0.08 0.00 | 56.61 0.71 0.00 | 39.80 -0.02 4.89 | 24.78 0.12 13.11 | 22.23 0.30 8.64 | 13.11 0.33 11.88 | 12.70 0.19 1.01 | 22.21 0.30 0.00 | 18.15 0.24 0.01 | 24.61 0.32 -5.26 | 37.75 0.19 -31.00 | 41.62 0.60 -10.58 | 47.96 1.06 -4.09 | 57.62 1.64 0.00 | 63.27 1.07 0.00 | 49.93 1.02 0.00 | 40.57 1.18 0.00 | 39.10 1.01 0.00 |
| SISSONVILLE____ 23735 | 39.76 1.01 0.00 | 40.59 1.07 0.00 | 40.70 1.26 0.00 | 40.79 1.35 0.00 | 40.66 1.29 0.00 | 39.54 1.21 0.00 | 48.73 1.32 0.00 | 57.06 1.16 0.00 | 45.66 0.95 0.00 | 38.44 0.67 0.00 | 30.99 0.43 0.00 | 24.95 0.29 0.00 | 13.66 0.14 0.00 | 22.14 0.23 0.00 | 18.12 0.20 0.00 | 19.32 0.29 0.00 | 6.72 0.16 0.00 | 31.20 0.75 0.00 | 43.91 1.10 0.00 | 57.35 1.36 0.00 | 63.83 1.63 0.00 | 50.25 1.34 0.00 | 40.40 1.00 0.00 | 38.83 0.74 0.00 |
| SITHE_IND_GS1 24169 | 37.05 -1.69 0.00 | 37.83 -1.70 0.00 | 37.78 -1.66 0.00 | 37.82 -1.63 0.00 | 37.72 -1.65 0.00 | 36.72 -1.61 0.00 | 45.35 -2.05 0.00 | 53.45 -2.45 0.00 | 42.70 -2.01 0.00 | 36.04 -1.73 0.00 | 29.23 -1.34 0.00 | 23.58 -1.08 0.00 | 12.93 -0.59 0.00 | 20.96 -0.96 0.00 | 17.13 -0.79 0.00 | 18.18 -0.85 0.00 | 6.26 -0.30 0.00 | 29.03 -1.42 0.00 | 40.84 -1.97 0.00 | 53.39 -2.59 0.00 | 59.29 -2.92 0.00 | 46.58 -2.33 0.00 | 37.52 -1.87 0.00 | 36.37 -1.73 0.00 |
| SITHE_IND_GS2 24170 | 37.05 -1.69 0.00 | 37.83 -1.70 0.00 | 37.78 -1.66 0.00 | 37.82 -1.63 0.00 | 37.72 -1.65 0.00 | 36.72 -1.61 0.00 | 45.35 -2.05 0.00 | 53.45 -2.45 0.00 | 42.70 -2.01 0.00 | 36.04 -1.73 0.00 | 29.23 -1.34 0.00 | 23.58 -1.08 0.00 | 12.93 -0.59 0.00 | 20.96 -0.96 0.00 | 17.13 -0.79 0.00 | 18.18 -0.85 0.00 | 6.26 -0.30 0.00 | 29.03 -1.42 0.00 | 40.84 -1.97 0.00 | 53.39 -2.59 0.00 | 59.29 -2.92 0.00 | 46.58 -2.33 0.00 | 37.52 -1.87 0.00 | 36.37 -1.73 0.00 |
| SITHE_IND_GS3 24171 | 37.05 -1.69 0.00 | 37.83 -1.70 0.00 | 37.78 -1.66 0.00 | 37.82 -1.63 0.00 | 37.72 -1.65 0.00 | 36.72 -1.61 0.00 | 45.35 -2.05 0.00 | 53.45 -2.45 0.00 | 42.70 -2.01 0.00 | 36.04 -1.73 0.00 | 29.23 -1.34 0.00 | 23.58 -1.08 0.00 | 12.93 -0.59 0.00 | 20.96 -0.96 0.00 | 17.13 -0.79 0.00 | 18.18 -0.85 0.00 | 6.26 -0.30 0.00 | 29.03 -1.42 0.00 | 40.84 -1.97 0.00 | 53.39 -2.59 0.00 | 59.29 -2.92 0.00 | 46.58 -2.33 0.00 | 37.52 -1.87 0.00 | 36.37 -1.73 0.00 |
| SITHE_IND_GS4 24172 | 37.05 -1.69 0.00 | 37.83 -1.70 0.00 | 37.78 -1.66 0.00 | 37.82 -1.63 0.00 | 37.72 -1.65 0.00 | 36.72 -1.61 0.00 | 45.35 -2.05 0.00 | 53.45 -2.45 0.00 | 42.70 -2.01 0.00 | 36.04 -1.73 0.00 | 29.23 -1.34 0.00 | 23.58 -1.08 0.00 | 12.93 -0.59 0.00 | 20.96 -0.96 0.00 | 17.13 -0.79 0.00 | 18.18 -0.85 0.00 | 6.26 -0.30 0.00 | 29.03 -1.42 0.00 | 40.84 -1.97 0.00 | 53.39 -2.59 0.00 | 59.29 -2.92 0.00 | 46.58 -2.33 0.00 | 37.52 -1.87 0.00 | 36.37 -1.73 0.00 |

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| SITHE___BATAVIA 24024 | 37.47 -1.28 0.00 | 38.36 -1.16 0.00 | 38.32 -1.12 0.00 | 38.58 -0.86 0.00 | 38.60 -0.77 0.00 | 37.88 -0.45 0.00 | 46.62 -0.78 0.00 | 54.42 -1.48 0.00 | 43.54 -1.16 0.00 | 36.48 -1.29 0.00 | 29.16 -1.41 0.00 | 23.43 -1.23 0.00 | 13.09 -0.43 0.00 | 20.89 -1.02 0.00 | 17.04 -0.88 0.00 | 18.14 -0.89 0.00 | 6.20 -0.35 0.00 | 28.89 -1.56 0.00 | 41.06 -1.75 0.00 | 53.55 -2.43 0.00 | 59.48 -2.73 0.00 | 46.77 -2.14 0.00 | 37.81 -1.59 0.00 | 36.91 -1.19 0.00 |
| SITHE___INDEPEND 23800 | 37.05 -1.70 0.00 | 37.83 -1.69 0.00 | 37.77 -1.66 0.00 | 37.81 -1.63 0.00 | 37.73 -1.63 0.00 | 36.72 -1.61 0.00 | 45.35 -2.06 0.00 | 53.45 -2.45 0.00 | 42.70 -2.01 0.00 | 36.04 -1.73 0.00 | 29.23 -1.34 0.00 | 23.58 -1.08 0.00 | 12.93 -0.59 0.00 | 20.96 -0.96 0.00 | 17.12 -0.79 0.00 | 18.18 -0.86 0.00 | 6.26 -0.30 0.00 | 29.02 -1.43 0.00 | 40.83 -1.98 0.00 | 53.39 -2.59 0.00 | 59.29 -2.92 0.00 | 46.59 -2.33 0.00 | 37.52 -1.87 0.00 | 36.37 -1.73 0.00 |
| SITHE___MASSENA 23902 | 39.93 1.18 0.00 | 40.81 1.29 0.00 | 40.85 1.41 0.00 | 40.92 1.48 0.00 | 40.82 1.45 0.00 | 39.69 1.37 0.00 | 48.83 1.42 0.00 | 57.17 1.27 0.00 | 45.81 1.11 0.00 | 38.72 0.95 0.00 | 31.29 0.72 0.00 | 25.27 0.61 0.00 | 13.86 0.33 0.00 | 22.46 0.55 0.00 | 18.38 0.46 0.00 | 19.57 0.54 0.00 | 6.77 0.21 0.00 | 31.38 0.93 0.00 | 44.04 1.23 0.00 | 57.38 1.39 0.00 | 63.90 1.69 0.00 | 50.37 1.46 0.00 | 40.55 1.15 0.00 | 39.10 1.00 0.00 |
| SITHE___OGDNSBRG 24021 | 40.67 1.92 0.00 | 41.56 2.04 0.00 | 41.63 2.20 0.00 | 41.72 2.28 0.00 | 41.61 2.25 0.00 | 40.53 2.20 0.00 | 49.95 2.54 0.00 | 58.47 2.57 0.00 | 46.68 1.97 0.00 | 39.16 1.39 0.00 | 31.45 0.88 0.00 | 25.32 0.66 0.00 | 13.87 0.35 0.00 | 22.48 0.57 0.00 | 18.41 0.49 0.00 | 19.64 0.60 0.00 | 6.83 0.27 0.00 | 31.72 1.27 0.00 | 44.76 1.95 0.00 | 58.62 2.64 0.00 | 65.28 3.08 0.00 | 51.45 2.54 0.00 | 41.36 1.97 0.00 | 39.81 1.72 0.00 |
| SITHE___STERLING 23777 | 39.37 0.62 0.00 | 40.08 0.56 0.00 | 40.00 0.56 0.00 | 40.02 0.58 0.00 | 39.93 0.57 0.00 | 39.00 0.67 0.00 | 48.49 1.08 0.00 | 57.25 1.35 0.00 | 45.66 0.95 0.00 | 38.32 0.55 0.00 | 30.79 0.22 0.00 | 24.73 0.07 0.00 | 13.55 0.02 0.00 | 21.95 0.04 0.00 | 17.94 0.02 0.00 | 19.08 0.04 0.00 | 6.60 0.04 0.00 | 30.88 0.44 0.00 | 43.73 0.92 0.00 | 57.40 1.42 0.00 | 63.68 1.47 0.00 | 49.86 0.95 0.00 | 40.06 0.67 0.00 | 38.65 0.56 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 37.28 -1.47 0.00 | 38.10 -1.42 0.00 | 38.05 -1.39 0.00 | 38.18 -1.26 0.00 | 38.17 -1.19 0.00 | 37.33 -1.00 0.00 | 46.16 -1.25 0.00 | 54.28 -1.62 0.00 | 43.33 -1.37 0.00 | 36.41 -1.36 0.00 | 29.28 -1.29 0.00 | 23.59 -1.07 0.00 | 12.94 -0.58 0.00 | 20.96 -0.95 0.00 | 17.12 -0.79 0.00 | 18.20 -0.84 0.00 | 6.24 -0.32 0.00 | 29.11 -1.33 0.00 | 41.21 -1.59 0.00 | 53.74 -2.24 0.00 | 59.65 -2.56 0.00 | 46.85 -2.06 0.00 | 37.71 -1.68 0.00 | 36.61 -1.49 0.00 |
| SOUTH CAIRO___GT 23612 | 40.90 2.15 0.00 | 41.92 2.39 0.00 | 41.80 2.36 0.00 | 41.82 2.37 0.00 | 41.76 2.39 0.00 | 40.79 2.46 0.00 | 50.79 3.39 0.00 | 60.13 4.22 0.00 | 47.94 3.24 0.00 | 40.01 2.24 0.00 | 32.42 1.55 -0.30 | 26.12 1.19 -0.26 | 13.88 0.36 0.00 | 22.27 0.37 0.00 | 18.32 0.40 0.00 | 20.58 0.52 -1.02 | 12.86 0.27 -6.04 | 34.47 1.57 -2.45 | 46.28 2.67 -0.80 | 59.92 3.94 0.00 | 66.46 4.26 0.00 | 52.19 3.28 0.00 | 41.94 2.55 0.00 | 40.54 2.44 0.00 |
| SOUTH HAMPTN___IC 23720 | 40.30 1.55 0.00 | 40.97 1.45 0.00 | 40.66 1.22 0.00 | 40.38 0.94 0.00 | 40.30 0.93 0.00 | 38.49 0.16 0.00 | 48.11 0.71 0.00 | 57.16 1.26 0.00 | 40.37 0.48 4.82 | 25.47 0.63 12.93 | 22.94 0.87 8.50 | 13.72 0.76 11.71 | 12.93 0.41 0.99 | 22.53 0.62 0.00 | 18.42 0.51 0.01 | 24.90 0.60 -5.26 | 37.86 0.30 -31.00 | 41.77 0.72 -10.60 | 48.07 1.17 -4.09 | 57.91 1.93 0.00 | 63.77 1.56 0.00 | 50.34 1.43 0.00 | 40.83 1.44 0.00 | 39.29 1.19 0.00 |
| SOUTHDOW_115KV_TB1 355954 | 37.92 -0.83 0.00 | 38.98 -0.54 0.00 | 38.98 -0.46 0.00 | 39.11 -0.33 0.00 | 39.35 -0.02 0.00 | 38.62 0.29 0.00 | 47.85 0.45 0.00 | 56.14 0.24 0.00 | 44.99 0.28 0.00 | 38.27 0.50 0.00 | 30.83 0.26 0.00 | 24.84 0.18 0.00 | 13.80 0.27 0.00 | 22.23 0.32 0.00 | 18.16 0.24 0.00 | 19.25 0.21 0.00 | 6.44 -0.12 0.00 | 30.23 -0.22 0.00 | 42.82 0.01 0.00 | 55.90 -0.08 0.00 | 62.18 -0.03 0.00 | 48.66 -0.25 0.00 | 39.12 -0.28 0.00 | 37.94 -0.15 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 40.35 1.61 0.00 | 41.11 1.59 0.00 | 40.77 1.33 0.00 | 40.43 0.99 0.00 | 40.34 0.98 0.00 | 38.54 0.21 0.00 | 48.06 0.66 0.00 | 56.87 0.97 0.00 | 40.18 0.29 4.82 | 25.43 0.59 12.93 | 23.08 1.01 8.50 | 13.86 0.90 11.70 | 13.00 0.47 0.99 | 22.64 0.73 0.00 | 18.50 0.59 0.01 | 24.99 0.70 -5.26 | 37.90 0.34 -31.00 | 41.51 0.45 -10.60 | 47.72 0.82 -4.09 | 57.60 1.62 0.00 | 63.58 1.38 0.00 | 50.28 1.36 0.00 | 40.77 1.38 0.00 | 39.14 1.05 0.00 |
| SOUTHOLD___IC 23719 | 40.35 1.61 0.00 | 41.12 1.59 0.00 | 40.77 1.33 0.00 | 40.43 0.99 0.00 | 40.36 0.99 0.00 | 38.54 0.21 0.00 | 48.06 0.66 0.00 | 56.87 0.97 0.00 | 40.18 0.29 4.82 | 25.43 0.59 12.93 | 23.08 1.01 8.50 | 13.86 0.90 11.70 | 13.00 0.47 0.99 | 22.64 0.73 0.00 | 18.50 0.59 0.01 | 24.99 0.70 -5.26 | 37.90 0.34 -31.00 | 41.51 0.45 -10.60 | 47.72 0.81 -4.09 | 57.60 1.62 0.00 | 63.58 1.37 0.00 | 50.29 1.37 0.00 | 40.77 1.37 0.00 | 39.15 1.05 0.00 |
| SOUTH_FORK_WT_PWR 323839 | 40.29 1.54 0.00 | 41.13 1.61 0.00 | 40.75 1.31 0.00 | 40.34 0.90 0.00 | 40.30 0.93 0.00 | 38.45 0.12 0.00 | 47.83 0.43 0.00 | 56.39 0.49 0.00 | 39.82 -0.06 4.82 | 25.25 0.41 12.93 | 23.15 1.08 8.50 | 13.90 0.94 11.71 | 13.02 0.50 0.99 | 22.67 0.76 0.00 | 18.53 0.62 0.01 | 25.02 0.73 -5.26 | 37.91 0.36 -31.00 | 41.16 0.11 -10.60 | 47.02 0.12 -4.09 | 56.80 0.82 0.00 | 62.78 0.58 0.00 | 49.79 0.88 0.00 | 40.36 0.97 0.00 | 38.69 0.60 0.00 |
| SPIERFLS_115KV_TB 1 80737 | 40.03 1.29 0.00 | 40.71 1.19 0.00 | 40.73 1.30 0.00 | 40.72 1.28 0.00 | 40.71 1.35 0.00 | 39.78 1.45 0.00 | 49.47 2.07 0.00 | 58.51 2.60 0.00 | 46.58 1.88 0.00 | 39.20 1.43 0.00 | 31.71 0.74 -0.40 | 25.56 0.55 -0.35 | 13.70 0.18 0.00 | 22.17 0.26 0.00 | 18.17 0.25 0.00 | 20.69 0.29 -1.37 | 14.74 0.13 -8.05 | 34.62 0.90 -3.27 | 45.21 1.34 -1.06 | 58.16 2.18 0.00 | 64.44 2.24 0.00 | 50.57 1.66 0.00 | 40.76 1.37 0.00 | 39.50 1.40 0.00 |
| ST LAWRENCE____ 23600 | 39.45 0.71 0.00 | 40.31 0.78 0.00 | 40.32 0.88 0.00 | 40.39 0.94 0.00 | 40.28 0.92 0.00 | 39.17 0.84 0.00 | 48.19 0.79 0.00 | 56.48 0.58 0.00 | 45.29 0.59 0.00 | 38.32 0.55 0.00 | 31.03 0.46 0.00 | 25.04 0.38 0.00 | 13.73 0.21 0.00 | 22.25 0.34 0.00 | 18.21 0.29 0.00 | 19.38 0.34 0.00 | 6.70 0.14 0.00 | 31.01 0.56 0.00 | 43.51 0.70 0.00 | 56.68 0.70 0.00 | 63.12 0.92 0.00 | 49.76 0.85 0.00 | 40.07 0.67 0.00 | 38.66 0.56 0.00 |
| STATE_CA_115KV_115_LB 55624 | 39.86 1.11 0.00 | 40.70 1.17 0.00 | 40.53 1.09 0.00 | 40.50 1.05 0.00 | 40.42 1.05 0.00 | 39.40 1.07 0.00 | 48.88 1.48 0.00 | 57.82 1.92 0.00 | 46.23 1.52 0.00 | 39.03 1.26 0.00 | 31.99 0.99 -0.43 | 25.82 0.79 -0.37 | 13.90 0.38 0.00 | 22.52 0.61 0.00 | 18.45 0.53 0.00 | 21.04 0.56 -1.45 | 15.29 0.21 -8.53 | 34.89 0.98 -3.46 | 45.24 1.30 -1.13 | 57.80 1.81 0.00 | 64.14 1.94 0.00 | 50.46 1.54 0.00 | 40.64 1.25 0.00 | 39.34 1.24 0.00 |

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| STATE_ST_34_KV_LOAD 55959 | 38.04 -0.70 0.00 | 38.82 -0.71 0.00 | 38.74 -0.69 0.00 | 38.79 -0.65 0.00 | 38.75 -0.62 0.00 | 37.84 -0.49 0.00 | 46.88 -0.52 0.00 | 55.26 -0.65 0.00 | 44.03 -0.67 0.00 | 36.97 -0.80 0.00 | 29.80 -0.77 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.33 -0.58 0.00 | 17.42 -0.50 0.00 | 18.48 -0.55 0.00 | 6.36 -0.20 0.00 | 29.69 -0.76 0.00 | 42.04 -0.77 0.00 | 55.06 -0.93 0.00 | 61.13 -1.08 0.00 | 47.97 -0.94 0.00 | 38.59 -0.80 0.00 | 37.38 -0.72 0.00 |
| STATION 5_MISC_HYD 23604 | 37.17 -1.58 0.00 | 38.05 -1.48 0.00 | 37.98 -1.46 0.00 | 38.18 -1.26 0.00 | 38.16 -1.20 0.00 | 37.33 -1.00 0.00 | 45.97 -1.44 0.00 | 53.87 -2.03 0.00 | 43.10 -1.61 0.00 | 36.28 -1.49 0.00 | 29.20 -1.36 0.00 | 23.56 -1.10 0.00 | 12.96 -0.56 0.00 | 20.99 -0.92 0.00 | 17.15 -0.77 0.00 | 18.25 -0.79 0.00 | 6.23 -0.33 0.00 | 29.04 -1.41 0.00 | 41.00 -1.80 0.00 | 53.34 -2.64 0.00 | 59.23 -2.97 0.00 | 46.56 -2.36 0.00 | 37.53 -1.87 0.00 | 36.50 -1.60 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 37.80 -0.95 0.00 | 38.63 -0.89 0.00 | 38.56 -0.87 0.00 | 38.68 -0.76 0.00 | 38.67 -0.69 0.00 | 37.85 -0.47 0.00 | 46.86 -0.54 0.00 | 55.09 -0.81 0.00 | 43.96 -0.74 0.00 | 36.92 -0.85 0.00 | 29.70 -0.87 0.00 | 23.90 -0.76 0.00 | 13.10 -0.42 0.00 | 21.24 -0.67 0.00 | 17.35 -0.56 0.00 | 18.44 -0.60 0.00 | 6.32 -0.24 0.00 | 29.57 -0.88 0.00 | 41.86 -0.94 0.00 | 54.65 -1.34 0.00 | 60.63 -1.57 0.00 | 47.61 -1.30 0.00 | 38.29 -1.11 0.00 | 37.14 -0.95 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 37.01 -1.74 0.00 | 37.87 -1.65 0.00 | 37.81 -1.63 0.00 | 38.00 -1.45 0.00 | 37.99 -1.37 0.00 | 37.14 -1.19 0.00 | 45.76 -1.64 0.00 | 53.67 -2.23 0.00 | 42.94 -1.77 0.00 | 36.16 -1.61 0.00 | 29.11 -1.46 0.00 | 23.48 -1.18 0.00 | 12.91 -0.61 0.00 | 20.90 -1.01 0.00 | 17.08 -0.84 0.00 | 18.17 -0.87 0.00 | 6.20 -0.35 0.00 | 28.92 -1.53 0.00 | 40.86 -1.95 0.00 | 53.16 -2.82 0.00 | 59.01 -3.19 0.00 | 46.40 -2.51 0.00 | 37.38 -2.02 0.00 | 36.33 -1.76 0.00 |
| STA_56___34_KV_BUS2 355983 | 37.01 -1.74 0.00 | 37.87 -1.65 0.00 | 37.81 -1.63 0.00 | 38.00 -1.45 0.00 | 37.99 -1.37 0.00 | 37.14 -1.19 0.00 | 45.76 -1.64 0.00 | 53.67 -2.23 0.00 | 42.94 -1.77 0.00 | 36.16 -1.61 0.00 | 29.11 -1.46 0.00 | 23.48 -1.18 0.00 | 12.91 -0.61 0.00 | 20.90 -1.01 0.00 | 17.08 -0.84 0.00 | 18.17 -0.87 0.00 | 6.20 -0.35 0.00 | 28.92 -1.53 0.00 | 40.86 -1.95 0.00 | 53.16 -2.82 0.00 | 59.01 -3.19 0.00 | 46.40 -2.51 0.00 | 37.38 -2.02 0.00 | 36.33 -1.76 0.00 |
| STA_67___115KV_BK2 355882 | 37.08 -1.67 0.00 | 37.96 -1.57 0.00 | 37.90 -1.54 0.00 | 38.10 -1.34 0.00 | 38.08 -1.28 0.00 | 37.23 -1.10 0.00 | 45.84 -1.57 0.00 | 53.72 -2.18 0.00 | 42.98 -1.72 0.00 | 36.21 -1.56 0.00 | 29.15 -1.42 0.00 | 23.51 -1.15 0.00 | 12.94 -0.58 0.00 | 20.95 -0.96 0.00 | 17.11 -0.81 0.00 | 18.21 -0.83 0.00 | 6.21 -0.34 0.00 | 28.96 -1.49 0.00 | 40.89 -1.92 0.00 | 53.20 -2.78 0.00 | 59.06 -3.14 0.00 | 46.45 -2.47 0.00 | 37.44 -1.95 0.00 | 36.42 -1.68 0.00 |
| STA_7___115KV_9TRANS 80674 | 37.37 -1.38 0.00 | 38.24 -1.29 0.00 | 38.17 -1.27 0.00 | 38.37 -1.08 0.00 | 38.36 -1.01 0.00 | 37.52 -0.81 0.00 | 46.23 -1.18 0.00 | 54.19 -1.71 0.00 | 43.34 -1.37 0.00 | 36.48 -1.29 0.00 | 29.34 -1.23 0.00 | 23.67 -1.00 0.00 | 13.01 -0.51 0.00 | 21.07 -0.83 0.00 | 17.22 -0.70 0.00 | 18.31 -0.72 0.00 | 6.25 -0.31 0.00 | 29.18 -1.26 0.00 | 41.24 -1.57 0.00 | 53.67 -2.31 0.00 | 59.61 -2.60 0.00 | 46.85 -2.07 0.00 | 37.74 -1.66 0.00 | 36.69 -1.41 0.00 |
| STA_82___115KV_TB1 80780 | 37.09 -1.66 0.00 | 37.97 -1.56 0.00 | 37.90 -1.54 0.00 | 38.10 -1.34 0.00 | 38.10 -1.26 0.00 | 37.24 -1.08 0.00 | 45.86 -1.55 0.00 | 53.74 -2.16 0.00 | 42.99 -1.71 0.00 | 36.21 -1.56 0.00 | 29.15 -1.42 0.00 | 23.51 -1.15 0.00 | 12.94 -0.58 0.00 | 20.94 -0.97 0.00 | 17.11 -0.81 0.00 | 18.20 -0.83 0.00 | 6.21 -0.34 0.00 | 28.95 -1.49 0.00 | 40.89 -1.91 0.00 | 53.22 -2.77 0.00 | 59.08 -3.12 0.00 | 46.46 -2.46 0.00 | 37.44 -1.95 0.00 | 36.42 -1.68 0.00 |
| STEEL___WIND 323596 | 37.04 -1.71 0.00 | 37.97 -1.56 0.00 | 37.92 -1.52 0.00 | 38.18 -1.26 0.00 | 38.24 -1.12 0.00 | 37.44 -0.88 0.00 | 45.87 -1.53 0.00 | 53.46 -2.44 0.00 | 42.89 -1.81 0.00 | 36.37 -1.40 0.00 | 29.29 -1.28 0.00 | 23.65 -1.02 0.00 | 13.11 -0.41 0.00 | 21.16 -0.75 0.00 | 17.29 -0.62 0.00 | 18.42 -0.62 0.00 | 6.22 -0.34 0.00 | 28.98 -1.47 0.00 | 40.86 -1.95 0.00 | 52.89 -3.09 0.00 | 58.75 -3.46 0.00 | 46.22 -2.69 0.00 | 37.35 -2.04 0.00 | 36.50 -1.60 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 39.85 1.10 0.00 | 40.83 1.30 0.00 | 40.63 1.19 0.00 | 40.60 1.16 0.00 | 40.54 1.18 0.00 | 39.52 1.19 0.00 | 49.12 1.72 0.00 | 58.19 2.29 0.00 | 46.42 1.71 0.00 | 39.20 1.43 0.00 | 32.07 1.07 -0.43 | 25.90 0.86 -0.38 | 13.93 0.41 0.00 | 22.54 0.63 0.00 | 18.46 0.54 0.00 | 21.11 0.60 -1.47 | 15.47 0.23 -8.68 | 35.11 1.13 -3.52 | 45.48 1.53 -1.15 | 58.02 2.03 0.00 | 64.46 2.25 0.00 | 50.64 1.72 0.00 | 40.76 1.37 0.00 | 39.41 1.31 0.00 |
| STEUBEN_REC_LFGE 323667 | 36.28 -2.47 0.00 | 37.07 -2.45 0.00 | 36.87 -2.57 0.00 | 37.20 -2.24 0.00 | 37.30 -2.07 0.00 | 36.45 -1.87 0.00 | 45.26 -2.15 0.00 | 53.27 -2.63 0.00 | 42.52 -2.19 0.00 | 36.01 -1.76 0.00 | 29.16 -1.41 0.00 | 23.54 -1.12 0.00 | 13.09 -0.43 0.00 | 21.15 -0.77 0.00 | 17.27 -0.65 0.00 | 18.31 -0.73 0.00 | 6.20 -0.36 0.00 | 29.32 -1.13 0.00 | 41.93 -0.88 0.00 | 54.85 -1.13 0.00 | 60.83 -1.37 0.00 | 47.71 -1.20 0.00 | 38.26 -1.14 0.00 | 36.89 -1.21 0.00 |
| STILLWATER___SOLAR 323814 | 40.20 1.45 0.00 | 40.95 1.42 0.00 | 40.81 1.37 0.00 | 40.80 1.36 0.00 | 40.76 1.40 0.00 | 39.76 1.43 0.00 | 49.38 1.97 0.00 | 58.38 2.47 0.00 | 46.54 1.83 0.00 | 39.22 1.45 0.00 | 31.90 0.92 -0.41 | 25.72 0.70 -0.35 | 13.84 0.32 0.00 | 22.40 0.48 0.00 | 18.36 0.44 0.00 | 20.89 0.48 -1.39 | 14.92 0.19 -8.17 | 34.85 1.09 -3.32 | 45.46 1.57 -1.08 | 58.30 2.31 0.00 | 64.64 2.44 0.00 | 50.79 1.88 0.00 | 40.88 1.49 0.00 | 39.58 1.48 0.00 |
| STONY___BROOK 24151 | 40.19 1.45 0.00 | 40.77 1.24 0.00 | 40.51 1.07 0.00 | 40.31 0.87 0.00 | 40.19 0.83 0.00 | 38.68 0.35 0.00 | 48.25 0.85 0.00 | 57.64 1.73 0.00 | 40.33 1.08 5.45 | 24.21 1.05 14.61 | 21.77 1.01 9.81 | 12.09 0.82 13.40 | 12.82 0.42 1.13 | 22.56 0.65 0.00 | 18.46 0.55 0.01 | 24.90 0.61 -5.26 | 37.82 0.27 -31.00 | 41.89 1.10 -10.35 | 48.60 1.70 -4.09 | 58.34 2.36 0.00 | 64.34 2.13 0.00 | 50.70 1.78 0.00 | 41.12 1.73 0.00 | 39.70 1.60 0.00 |
| STURGEON_POOL_HYD 23609 | 39.81 1.07 0.00 | 40.41 0.89 0.00 | 40.21 0.77 0.00 | 40.09 0.65 0.00 | 40.01 0.65 0.00 | 39.00 0.67 0.00 | 48.63 1.23 0.00 | 57.89 1.99 0.00 | 46.30 1.60 0.00 | 39.15 1.38 0.00 | 31.75 1.18 0.00 | 25.63 0.97 0.00 | 14.03 0.51 0.00 | 22.74 0.83 0.00 | 18.57 0.65 0.00 | 19.73 0.69 0.00 | 6.79 0.23 0.00 | 31.47 1.02 0.00 | 44.18 1.37 0.00 | 57.88 1.89 0.00 | 64.30 2.10 0.00 | 50.49 1.58 0.00 | 40.69 1.30 0.00 | 39.30 1.20 0.00 |
| ST_LAW_115_BK7_LBMP 345037 | 39.52 0.77 0.00 | 40.38 0.85 0.00 | 40.41 0.97 0.00 | 40.49 1.04 0.00 | 40.38 1.02 0.00 | 39.27 0.94 0.00 | 48.29 0.88 0.00 | 56.56 0.66 0.00 | 45.35 0.65 0.00 | 38.38 0.61 0.00 | 31.07 0.50 0.00 | 25.07 0.41 0.00 | 13.75 0.22 0.00 | 22.28 0.37 0.00 | 18.23 0.32 0.00 | 19.41 0.38 0.00 | 6.71 0.15 0.00 | 31.07 0.62 0.00 | 43.59 0.78 0.00 | 56.77 0.79 0.00 | 63.25 1.04 0.00 | 49.85 0.94 0.00 | 40.13 0.74 0.00 | 38.71 0.62 0.00 |

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| ST_LAW_115_BK8_LBMP 345038 | 39.52 0.77 0.00 | 40.38 0.85 0.00 | 40.41 0.97 0.00 | 40.49 1.04 0.00 | 40.38 1.02 0.00 | 39.27 0.94 0.00 | 48.29 0.88 0.00 | 56.56 0.66 0.00 | 45.35 0.65 0.00 | 38.38 0.61 0.00 | 31.07 0.50 0.00 | 25.07 0.41 0.00 | 13.75 0.22 0.00 | 22.28 0.37 0.00 | 18.23 0.32 0.00 | 19.41 0.38 0.00 | 6.71 0.15 0.00 | 31.07 0.62 0.00 | 43.59 0.78 0.00 | 56.77 0.79 0.00 | 63.25 1.04 0.00 | 49.85 0.94 0.00 | 40.13 0.74 0.00 | 38.71 0.62 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 39.45 0.71 0.00 | 40.31 0.78 0.00 | 40.32 0.88 0.00 | 40.39 0.94 0.00 | 40.28 0.92 0.00 | 39.17 0.84 0.00 | 48.19 0.79 0.00 | 56.48 0.58 0.00 | 45.29 0.59 0.00 | 38.32 0.55 0.00 | 31.03 0.46 0.00 | 25.04 0.38 0.00 | 13.73 0.21 0.00 | 22.25 0.34 0.00 | 18.21 0.29 0.00 | 19.38 0.34 0.00 | 6.70 0.14 0.00 | 31.01 0.56 0.00 | 43.51 0.70 0.00 | 56.68 0.70 0.00 | 63.12 0.92 0.00 | 49.76 0.85 0.00 | 40.07 0.67 0.00 | 38.66 0.56 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 39.45 0.71 0.00 | 40.31 0.78 0.00 | 40.32 0.88 0.00 | 40.39 0.94 0.00 | 40.28 0.92 0.00 | 39.17 0.84 0.00 | 48.19 0.79 0.00 | 56.48 0.58 0.00 | 45.29 0.59 0.00 | 38.32 0.55 0.00 | 31.03 0.46 0.00 | 25.04 0.38 0.00 | 13.73 0.21 0.00 | 22.25 0.34 0.00 | 18.21 0.29 0.00 | 19.38 0.34 0.00 | 6.70 0.14 0.00 | 31.01 0.56 0.00 | 43.51 0.70 0.00 | 56.68 0.70 0.00 | 63.12 0.92 0.00 | 49.76 0.85 0.00 | 40.07 0.67 0.00 | 38.66 0.56 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 39.46 0.71 0.00 | 40.13 0.60 0.00 | 39.95 0.51 0.00 | 39.84 0.40 0.00 | 39.78 0.41 0.00 | 38.77 0.44 0.00 | 48.30 0.90 0.00 | 57.39 1.49 0.00 | 45.85 1.15 0.00 | 38.76 0.99 0.00 | 28.65 0.81 2.73 | 22.98 0.69 2.37 | 13.90 0.38 0.00 | 22.49 0.57 0.00 | 18.39 0.48 0.00 | 10.26 0.49 9.27 | -47.95 0.16 54.67 | 8.95 0.70 22.20 | 36.60 1.01 7.22 | 57.52 1.53 0.00 | 63.93 1.72 0.00 | 50.19 1.28 0.00 | 40.45 1.06 0.00 | 39.06 0.97 0.00 |
| SWANROAD_115KV_TB1 355699 | 35.73 -3.02 0.00 | 36.60 -2.93 0.00 | 36.61 -2.83 0.00 | 36.91 -2.53 0.00 | 36.91 -2.46 0.00 | 36.14 -2.19 0.00 | 44.14 -3.26 0.00 | 51.14 -4.76 0.00 | 41.15 -3.55 0.00 | 34.85 -2.92 0.00 | 28.04 -2.54 0.00 | 22.66 -2.00 0.00 | 12.60 -0.92 0.00 | 20.29 -1.62 0.00 | 16.58 -1.34 0.00 | 17.67 -1.37 0.00 | 5.97 -0.59 0.00 | 27.70 -2.75 0.00 | 39.05 -3.76 0.00 | 50.45 -5.53 0.00 | 56.03 -6.17 0.00 | 44.21 -4.71 0.00 | 35.90 -3.50 0.00 | 35.27 -2.83 0.00 |
| SYNERGY___BIOGAS 323694 | 37.47 -1.28 0.00 | 38.36 -1.16 0.00 | 38.32 -1.12 0.00 | 38.58 -0.86 0.00 | 38.60 -0.77 0.00 | 37.88 -0.45 0.00 | 46.62 -0.78 0.00 | 54.42 -1.48 0.00 | 43.54 -1.16 0.00 | 36.48 -1.29 0.00 | 29.16 -1.41 0.00 | 23.43 -1.23 0.00 | 13.09 -0.43 0.00 | 20.89 -1.02 0.00 | 17.04 -0.88 0.00 | 18.14 -0.89 0.00 | 6.20 -0.35 0.00 | 28.89 -1.56 0.00 | 41.06 -1.75 0.00 | 53.55 -2.43 0.00 | 59.48 -2.73 0.00 | 46.77 -2.14 0.00 | 37.81 -1.59 0.00 | 36.91 -1.19 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 37.85 -0.90 0.00 | 38.62 -0.91 0.00 | 38.56 -0.88 0.00 | 38.59 -0.85 0.00 | 38.54 -0.83 0.00 | 37.57 -0.76 0.00 | 46.52 -0.89 0.00 | 54.85 -1.05 0.00 | 43.75 -0.95 0.00 | 36.84 -0.92 0.00 | 29.78 -0.79 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.34 -0.58 0.00 | 17.43 -0.49 0.00 | 18.50 -0.54 0.00 | 6.37 -0.19 0.00 | 29.65 -0.80 0.00 | 41.81 -0.99 0.00 | 54.70 -1.28 0.00 | 60.72 -1.48 0.00 | 47.67 -1.24 0.00 | 38.38 -1.02 0.00 | 37.17 -0.92 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 37.85 -0.90 0.00 | 38.62 -0.91 0.00 | 38.56 -0.88 0.00 | 38.59 -0.85 0.00 | 38.54 -0.83 0.00 | 37.57 -0.76 0.00 | 46.52 -0.89 0.00 | 54.85 -1.05 0.00 | 43.75 -0.95 0.00 | 36.84 -0.92 0.00 | 29.78 -0.79 0.00 | 24.01 -0.65 0.00 | 13.17 -0.35 0.00 | 21.34 -0.58 0.00 | 17.43 -0.49 0.00 | 18.50 -0.54 0.00 | 6.37 -0.19 0.00 | 29.65 -0.80 0.00 | 41.81 -0.99 0.00 | 54.70 -1.28 0.00 | 60.72 -1.48 0.00 | 47.67 -1.24 0.00 | 38.38 -1.02 0.00 | 37.17 -0.92 0.00 |
| SYRACUSE___POWER 24017 | 37.87 -0.88 0.00 | 38.62 -0.91 0.00 | 38.55 -0.89 0.00 | 38.59 -0.86 0.00 | 38.53 -0.83 0.00 | 37.57 -0.76 0.00 | 46.52 -0.88 0.00 | 54.88 -1.02 0.00 | 43.78 -0.93 0.00 | 36.86 -0.91 0.00 | 29.79 -0.78 0.00 | 24.03 -0.64 0.00 | 13.18 -0.34 0.00 | 21.35 -0.56 0.00 | 17.44 -0.48 0.00 | 18.50 -0.53 0.00 | 6.36 -0.20 0.00 | 29.63 -0.82 0.00 | 41.79 -1.02 0.00 | 54.71 -1.28 0.00 | 60.72 -1.49 0.00 | 47.68 -1.24 0.00 | 38.39 -1.00 0.00 | 37.19 -0.91 0.00 |
| TALLMAN___138KV_BK151 55660 | 39.50 0.76 0.00 | 40.16 0.64 0.00 | 40.00 0.56 0.00 | 39.86 0.42 0.00 | 39.81 0.44 0.00 | 38.78 0.45 0.00 | 48.37 0.96 0.00 | 57.60 1.70 0.00 | 46.04 1.34 0.00 | 38.95 1.18 0.00 | 28.53 0.98 3.02 | 22.86 0.83 2.63 | 13.98 0.46 0.00 | 22.61 0.70 0.00 | 18.50 0.58 0.00 | 9.39 0.62 10.27 | -53.78 0.20 60.54 | 6.69 0.83 24.58 | 35.97 1.16 7.99 | 57.68 1.70 0.00 | 64.11 1.90 0.00 | 50.32 1.41 0.00 | 40.55 1.16 0.00 | 39.14 1.04 0.00 |
| TEALLAVE_115KV_TB7 355573 | 37.64 -1.11 0.00 | 38.41 -1.12 0.00 | 38.34 -1.09 0.00 | 38.38 -1.07 0.00 | 38.32 -1.04 0.00 | 37.35 -0.98 0.00 | 46.23 -1.18 0.00 | 54.53 -1.37 0.00 | 43.52 -1.19 0.00 | 36.67 -1.10 0.00 | 29.66 -0.91 0.00 | 23.92 -0.74 0.00 | 13.12 -0.40 0.00 | 21.26 -0.66 0.00 | 17.36 -0.56 0.00 | 18.42 -0.61 0.00 | 6.33 -0.23 0.00 | 29.46 -0.98 0.00 | 41.51 -1.29 0.00 | 54.32 -1.66 0.00 | 60.29 -1.92 0.00 | 47.34 -1.57 0.00 | 38.16 -1.23 0.00 | 36.97 -1.13 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 36.60 -2.14 0.00 | 37.51 -2.02 0.00 | 37.48 -1.96 0.00 | 37.78 -1.67 0.00 | 37.79 -1.57 0.00 | 37.04 -1.29 0.00 | 45.39 -2.01 0.00 | 52.84 -3.07 0.00 | 42.40 -2.31 0.00 | 35.75 -2.03 0.00 | 28.67 -1.90 0.00 | 23.13 -1.53 0.00 | 12.92 -0.60 0.00 | 20.68 -1.23 0.00 | 16.88 -1.04 0.00 | 17.98 -1.05 0.00 | 6.11 -0.45 0.00 | 28.38 -2.06 0.00 | 40.14 -2.67 0.00 | 52.06 -3.92 0.00 | 57.82 -4.39 0.00 | 45.54 -3.37 0.00 | 36.90 -2.49 0.00 | 36.11 -1.98 0.00 |
| TEMPLE___115KV_TB 2 55572 | 37.65 -1.10 0.00 | 38.42 -1.11 0.00 | 38.34 -1.09 0.00 | 38.39 -1.05 0.00 | 38.33 -1.03 0.00 | 37.36 -0.97 0.00 | 46.24 -1.16 0.00 | 54.54 -1.36 0.00 | 43.53 -1.18 0.00 | 36.69 -1.09 0.00 | 29.67 -0.90 0.00 | 23.93 -0.73 0.00 | 13.13 -0.39 0.00 | 21.27 -0.64 0.00 | 17.37 -0.55 0.00 | 18.43 -0.61 0.00 | 6.34 -0.22 0.00 | 29.48 -0.97 0.00 | 41.53 -1.28 0.00 | 54.33 -1.65 0.00 | 60.31 -1.89 0.00 | 47.36 -1.55 0.00 | 38.17 -1.23 0.00 | 36.98 -1.12 0.00 |
| TIANA____69_KV_BK 1 55817 | 40.24 1.49 0.00 | 40.89 1.36 0.00 | 40.58 1.14 0.00 | 40.33 0.89 0.00 | 40.21 0.85 0.00 | 38.44 0.11 0.00 | 48.09 0.69 0.00 | 57.20 1.30 0.00 | 40.41 0.52 4.82 | 25.46 0.62 12.93 | 22.87 0.80 8.50 | 13.66 0.70 11.70 | 12.90 0.37 0.99 | 22.49 0.58 0.00 | 18.38 0.47 0.01 | 24.85 0.55 -5.26 | 37.84 0.28 -31.00 | 41.84 0.78 -10.60 | 48.20 1.30 -4.09 | 58.03 2.05 0.00 | 63.87 1.67 0.00 | 50.38 1.47 0.00 | 40.88 1.49 0.00 | 39.34 1.25 0.00 |
| TILDEN___115KV_TB1 80814 | 37.87 -0.88 0.00 | 38.62 -0.91 0.00 | 38.55 -0.89 0.00 | 38.59 -0.86 0.00 | 38.53 -0.83 0.00 | 37.57 -0.76 0.00 | 46.52 -0.88 0.00 | 54.88 -1.02 0.00 | 43.78 -0.93 0.00 | 36.86 -0.91 0.00 | 29.79 -0.78 0.00 | 24.03 -0.64 0.00 | 13.18 -0.34 0.00 | 21.35 -0.56 0.00 | 17.44 -0.48 0.00 | 18.50 -0.53 0.00 | 6.36 -0.20 0.00 | 29.63 -0.82 0.00 | 41.79 -1.02 0.00 | 54.71 -1.28 0.00 | 60.72 -1.49 0.00 | 47.68 -1.24 0.00 | 38.39 -1.00 0.00 | 37.19 -0.91 0.00 |

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| TRIGEN___CC 323695 | 40.12 1.37 0.00 | 40.71 1.18 0.00 | 40.46 1.03 0.00 | 40.32 0.88 0.00 | 40.23 0.86 0.00 | 39.07 0.74 0.00 | 48.69 1.28 0.00 | 58.06 2.16 0.00 | 46.35 1.64 0.00 | 39.27 1.50 0.00 | 33.46 1.35 -1.55 | 27.11 1.10 -1.35 | 14.12 0.60 0.00 | 22.83 0.92 0.00 | 18.70 0.78 0.00 | 25.12 0.83 -5.26 | 37.86 0.30 -31.00 | 44.33 1.29 -12.59 | 48.67 1.77 -4.09 | 58.35 2.37 0.00 | 64.63 2.42 0.00 | 50.72 1.81 0.00 | 41.06 1.67 0.00 | 39.69 1.59 0.00 |
| TRINITY___115KV___4 BK 55933 | 39.71 0.96 0.00 | 40.54 1.02 0.00 | 40.37 0.94 0.00 | 40.34 0.90 0.00 | 40.26 0.90 0.00 | 39.24 0.91 0.00 | 48.66 1.25 0.00 | 57.54 1.64 0.00 | 46.02 1.32 0.00 | 38.87 1.11 0.00 | 31.86 0.86 -0.43 | 25.71 0.67 -0.38 | 13.85 0.33 0.00 | 22.44 0.52 0.00 | 18.38 0.46 0.00 | 21.00 0.49 -1.47 | 15.43 0.18 -8.69 | 34.81 0.84 -3.53 | 45.05 1.09 -1.15 | 57.52 1.54 0.00 | 63.85 1.64 0.00 | 50.23 1.32 0.00 | 40.48 1.09 0.00 | 39.20 1.10 0.00 |
| UNION___PROCESSING_DRP 323587 | 37.09 -1.66 0.00 | 37.97 -1.56 0.00 | 37.91 -1.53 0.00 | 38.11 -1.33 0.00 | 38.10 -1.26 0.00 | 37.25 -1.08 0.00 | 45.87 -1.54 0.00 | 53.74 -2.16 0.00 | 43.01 -1.70 0.00 | 36.21 -1.56 0.00 | 29.15 -1.42 0.00 | 23.51 -1.15 0.00 | 12.94 -0.58 0.00 | 20.94 -0.97 0.00 | 17.11 -0.81 0.00 | 18.20 -0.83 0.00 | 6.21 -0.34 0.00 | 28.95 -1.49 0.00 | 40.91 -1.90 0.00 | 53.22 -2.77 0.00 | 59.09 -3.12 0.00 | 46.47 -2.45 0.00 | 37.45 -1.95 0.00 | 36.43 -1.67 0.00 |
| UPPER HUDSON___HYD 24058 | 40.03 1.29 0.00 | 40.71 1.19 0.00 | 40.73 1.29 0.00 | 40.72 1.28 0.00 | 40.72 1.36 0.00 | 39.78 1.45 0.00 | 49.47 2.07 0.00 | 58.51 2.61 0.00 | 46.58 1.88 0.00 | 39.20 1.43 0.00 | 31.71 0.74 -0.40 | 25.56 0.55 -0.35 | 13.70 0.18 0.00 | 22.17 0.26 0.00 | 18.17 0.25 0.00 | 20.69 0.29 -1.37 | 14.74 0.13 -8.05 | 34.62 0.90 -3.27 | 45.21 1.34 -1.06 | 58.16 2.18 0.00 | 64.44 2.24 0.00 | 50.57 1.66 0.00 | 40.76 1.36 0.00 | 39.50 1.40 0.00 |
| UPPER RAQUET___HYD 24056 | 39.76 1.01 0.00 | 40.59 1.07 0.00 | 40.69 1.26 0.00 | 40.79 1.35 0.00 | 40.67 1.30 0.00 | 39.54 1.21 0.00 | 48.73 1.32 0.00 | 57.05 1.16 0.00 | 45.66 0.95 0.00 | 38.44 0.67 0.00 | 30.99 0.43 0.00 | 24.95 0.29 0.00 | 13.66 0.14 0.00 | 22.14 0.23 0.00 | 18.12 0.20 0.00 | 19.32 0.29 0.00 | 6.72 0.16 0.00 | 31.20 0.75 0.00 | 43.91 1.10 0.00 | 57.35 1.36 0.00 | 63.83 1.63 0.00 | 50.25 1.34 0.00 | 40.39 1.00 0.00 | 38.83 0.73 0.00 |
| VALLEY44_115KV_TB2 355964 | 37.76 -0.99 0.00 | 38.71 -0.82 0.00 | 38.51 -0.93 0.00 | 38.67 -0.78 0.00 | 38.60 -0.76 0.00 | 37.47 -0.86 0.00 | 46.26 -1.15 0.00 | 54.56 -1.34 0.00 | 43.68 -1.03 0.00 | 37.08 -0.69 0.00 | 29.91 -0.66 0.00 | 24.20 -0.47 0.00 | 13.43 -0.09 0.00 | 21.67 -0.24 0.00 | 17.71 -0.21 0.00 | 18.80 -0.23 0.00 | 6.27 -0.29 0.00 | 29.32 -1.13 0.00 | 41.49 -1.32 0.00 | 54.16 -1.82 0.00 | 60.25 -1.95 0.00 | 47.18 -1.73 0.00 | 38.10 -1.30 0.00 | 37.03 -1.07 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 38.53 -0.22 0.00 | 39.20 -0.32 0.00 | 39.10 -0.34 0.00 | 39.08 -0.37 0.00 | 39.06 -0.31 0.00 | 38.10 -0.23 0.00 | 47.34 -0.06 0.00 | 56.00 0.10 0.00 | 44.65 -0.06 0.00 | 37.53 -0.24 0.00 | 30.32 -0.25 0.00 | 24.35 -0.31 0.00 | 13.28 -0.24 0.00 | 21.52 -0.40 0.00 | 17.59 -0.33 0.00 | 18.66 -0.38 0.00 | 6.45 -0.11 0.00 | 30.25 -0.20 0.00 | 42.87 0.07 0.00 | 56.42 0.44 0.00 | 62.51 0.31 0.00 | 49.10 0.19 0.00 | 39.52 0.13 0.00 | 38.22 0.12 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 40.21 1.47 0.00 | 40.93 1.41 0.00 | 40.82 1.38 0.00 | 40.78 1.34 0.00 | 40.73 1.37 0.00 | 39.75 1.42 0.00 | 49.38 1.98 0.00 | 58.39 2.49 0.00 | 46.59 1.88 0.00 | 39.36 1.59 0.00 | 31.51 1.18 0.24 | 25.41 0.96 0.21 | 14.07 0.55 0.00 | 22.78 0.87 0.00 | 18.56 0.65 0.00 | 18.89 0.69 0.83 | 1.89 0.24 4.91 | 29.63 1.18 1.99 | 43.87 1.72 0.65 | 58.25 2.27 0.00 | 64.69 2.49 0.00 | 50.75 1.83 0.00 | 40.88 1.49 0.00 | 39.53 1.43 0.00 |
| VISCHER___FERRY HYD 24020 | 39.82 1.07 0.00 | 40.58 1.06 0.00 | 40.37 0.94 0.00 | 40.36 0.92 0.00 | 40.30 0.93 0.00 | 39.29 0.96 0.00 | 48.72 1.31 0.00 | 57.60 1.71 0.00 | 46.05 1.34 0.00 | 38.87 1.10 0.00 | 31.75 0.74 -0.44 | 25.60 0.56 -0.38 | 13.77 0.25 0.00 | 22.31 0.40 0.00 | 18.30 0.38 0.00 | 20.93 0.41 -1.48 | 15.45 0.15 -8.74 | 34.77 0.77 -3.55 | 45.01 1.05 -1.16 | 57.55 1.57 0.00 | 63.85 1.65 0.00 | 50.22 1.31 0.00 | 40.47 1.08 0.00 | 39.20 1.10 0.00 |
| V_A_10_SYNC_DSASP 323832 | 36.27 -2.48 0.00 | 37.19 -2.33 0.00 | 37.15 -2.29 0.00 | 37.40 -2.04 0.00 | 37.37 -1.99 0.00 | 36.56 -1.77 0.00 | 44.80 -2.61 0.00 | 52.24 -3.66 0.00 | 41.92 -2.78 0.00 | 35.46 -2.31 0.00 | 28.58 -1.99 0.00 | 23.09 -1.57 0.00 | 12.78 -0.74 0.00 | 20.64 -1.27 0.00 | 16.86 -1.05 0.00 | 17.97 -1.07 0.00 | 6.09 -0.47 0.00 | 28.31 -2.14 0.00 | 39.89 -2.91 0.00 | 51.65 -4.33 0.00 | 57.36 -4.85 0.00 | 45.16 -3.75 0.00 | 36.51 -2.88 0.00 | 35.65 -2.44 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 39.70 0.96 0.00 | 40.59 1.07 0.00 | 40.62 1.18 0.00 | 40.69 1.24 0.00 | 40.59 1.22 0.00 | 39.47 1.14 0.00 | 48.54 1.14 0.00 | 56.84 0.94 0.00 | 45.58 0.87 0.00 | 38.57 0.80 0.00 | 31.25 0.67 0.00 | 25.20 0.54 0.00 | 13.82 0.30 0.00 | 22.40 0.49 0.00 | 18.33 0.41 0.00 | 19.51 0.48 0.00 | 6.74 0.19 0.00 | 31.23 0.78 0.00 | 43.82 1.01 0.00 | 57.05 1.06 0.00 | 63.55 1.34 0.00 | 50.10 1.19 0.00 | 40.34 0.95 0.00 | 38.91 0.81 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 41.17 2.42 0.00 | 42.00 2.47 0.00 | 42.20 2.76 0.00 | 42.27 2.83 0.00 | 42.10 2.74 0.00 | 40.85 2.52 0.00 | 50.16 2.75 0.00 | 58.83 2.93 0.00 | 47.04 2.34 0.00 | 39.76 1.99 0.00 | 32.19 1.62 0.00 | 25.95 1.29 0.00 | 14.17 0.65 0.00 | 22.94 1.03 0.00 | 18.86 0.94 0.00 | 20.08 1.05 0.00 | 6.89 0.33 0.00 | 32.01 1.56 0.00 | 44.93 2.13 0.00 | 58.68 2.70 0.00 | 65.00 2.79 0.00 | 50.64 1.73 0.00 | 40.64 1.25 0.00 | 39.26 1.16 0.00 |
| V_D_10_SYNC_DSASP 323841 | 39.92 1.17 0.00 | 40.80 1.28 0.00 | 40.84 1.41 0.00 | 40.91 1.47 0.00 | 40.81 1.45 0.00 | 39.69 1.36 0.00 | 48.83 1.42 0.00 | 57.17 1.27 0.00 | 45.80 1.10 0.00 | 38.72 0.95 0.00 | 31.29 0.72 0.00 | 25.27 0.61 0.00 | 13.86 0.33 0.00 | 22.46 0.55 0.00 | 18.38 0.46 0.00 | 19.57 0.54 0.00 | 6.77 0.21 0.00 | 31.37 0.92 0.00 | 44.04 1.23 0.00 | 57.38 1.39 0.00 | 63.90 1.69 0.00 | 50.37 1.45 0.00 | 40.54 1.15 0.00 | 39.09 1.00 0.00 |
| V_E_10_SYNC_DSASP 323830 | 40.71 1.96 0.00 | 41.01 1.49 0.00 | 40.90 1.46 0.00 | 40.92 1.48 0.00 | 40.76 1.40 0.00 | 40.11 1.78 0.00 | 49.98 2.57 0.00 | 58.95 3.05 0.00 | 46.28 1.57 0.00 | 38.37 0.60 0.00 | 30.51 -0.06 0.00 | 24.65 -0.01 0.00 | 13.66 0.14 0.00 | 22.29 0.38 0.00 | 18.23 0.31 0.00 | 19.35 0.31 0.00 | 6.67 0.11 0.00 | 31.70 1.26 0.00 | 45.44 2.63 0.00 | 59.70 3.72 0.00 | 65.92 3.71 0.00 | 51.00 2.09 0.00 | 40.67 1.28 0.00 | 39.26 1.16 0.00 |
| V_F_30_NSYNC___DSASP 323816 | 40.22 1.47 0.00 | 40.97 1.45 0.00 | 40.83 1.39 0.00 | 40.82 1.38 0.00 | 40.79 1.42 0.00 | 39.78 1.45 0.00 | 49.40 1.99 0.00 | 58.41 2.51 0.00 | 46.56 1.86 0.00 | 39.26 1.49 0.00 | 31.95 0.98 -0.40 | 25.75 0.74 -0.35 | 13.86 0.34 0.00 | 22.45 0.53 0.00 | 18.39 0.47 0.00 | 20.90 0.50 -1.37 | 14.82 0.20 -8.07 | 34.84 1.12 -3.28 | 45.49 1.62 -1.07 | 58.34 2.35 0.00 | 64.68 2.48 0.00 | 50.81 1.90 0.00 | 40.90 1.51 0.00 | 39.58 1.49 0.00 |

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| V_F_30_SYNC_DSASP 323786 | 39.86 1.11 0.00 | 40.70 1.17 0.00 | 40.53 1.09 0.00 | 40.50 1.05 0.00 | 40.42 1.05 0.00 | 39.40 1.07 0.00 | 48.88 1.48 0.00 | 57.82 1.91 0.00 | 46.23 1.52 0.00 | 39.03 1.26 0.00 | 31.98 0.99 -0.43 | 25.81 0.78 -0.37 | 13.90 0.38 0.00 | 22.52 0.61 0.00 | 18.45 0.53 0.00 | 21.04 0.56 -1.45 | 15.31 0.21 -8.54 | 34.89 0.98 -3.47 | 45.24 1.30 -1.13 | 57.79 1.81 0.00 | 64.14 1.94 0.00 | 50.46 1.54 0.00 | 40.64 1.25 0.00 | 39.34 1.24 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 41.17 2.42 0.00 | 42.00 2.47 0.00 | 42.20 2.76 0.00 | 42.27 2.83 0.00 | 42.10 2.74 0.00 | 40.85 2.52 0.00 | 50.16 2.75 0.00 | 58.83 2.93 0.00 | 47.04 2.34 0.00 | 39.76 1.99 0.00 | 32.19 1.62 0.00 | 25.95 1.29 0.00 | 14.17 0.65 0.00 | 22.94 1.03 0.00 | 18.86 0.94 0.00 | 20.08 1.05 0.00 | 6.89 0.33 0.00 | 32.01 1.56 0.00 | 44.93 2.13 0.00 | 58.68 2.70 0.00 | 65.00 2.79 0.00 | 50.64 1.73 0.00 | 40.64 1.25 0.00 | 39.26 1.16 0.00 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 39.66 0.91 0.00 | 40.31 0.79 0.00 | 40.15 0.71 0.00 | 40.02 0.57 0.00 | 39.95 0.58 0.00 | 38.93 0.60 0.00 | 48.56 1.16 0.00 | 57.83 1.93 0.00 | 46.23 1.53 0.00 | 39.11 1.34 0.00 | 28.73 1.12 2.95 | 23.02 0.93 2.57 | 14.03 0.51 0.00 | 22.70 0.79 0.00 | 18.57 0.66 0.00 | 9.69 0.69 10.03 | -52.39 0.23 59.17 | 7.39 0.97 24.03 | 36.34 1.35 7.82 | 57.91 1.93 0.00 | 64.38 2.17 0.00 | 50.52 1.61 0.00 | 40.72 1.33 0.00 | 39.30 1.20 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 39.91 1.16 0.00 | 40.50 0.97 0.00 | 40.31 0.87 0.00 | 40.20 0.76 0.00 | 40.20 0.84 0.00 | 39.16 0.83 0.00 | 48.87 1.47 0.00 | 58.36 2.45 0.00 | 46.73 2.03 0.00 | 39.58 1.81 0.00 | 33.66 1.55 -1.54 | 27.30 1.30 -1.34 | 14.25 0.73 0.00 | 23.03 1.12 0.00 | 18.85 0.93 0.00 | 25.26 0.98 -5.24 | 37.80 0.32 -30.92 | 44.36 1.36 -12.56 | 48.76 1.87 -4.09 | 58.34 2.36 0.00 | 64.74 2.54 0.00 | 50.83 1.92 0.00 | 41.04 1.64 0.00 | 39.68 1.58 0.00 |
| W50THST__13_KV_LOAD 356117 | 40.03 1.28 0.00 | 40.61 1.09 0.00 | 40.41 0.97 0.00 | 40.32 0.88 0.00 | 40.33 0.96 0.00 | 39.30 0.97 0.00 | 49.07 1.66 0.00 | 58.62 2.72 0.00 | 47.00 2.30 0.00 | 39.84 2.07 0.00 | 33.88 1.77 -1.54 | 27.49 1.49 -1.34 | 14.36 0.83 0.00 | 23.20 1.29 0.00 | 18.99 1.07 0.00 | 25.41 1.13 -5.24 | 37.85 0.37 -30.92 | 44.57 1.56 -12.56 | 49.02 2.13 -4.09 | 58.64 2.66 0.00 | 65.00 2.79 0.00 | 51.01 2.10 0.00 | 41.17 1.78 0.00 | 39.82 1.73 0.00 |
| WADING RIVER_IC_1 23522 | 39.79 1.04 0.00 | 40.37 0.84 0.00 | 40.08 0.64 0.00 | 39.86 0.42 0.00 | 39.74 0.37 0.00 | 37.77 -0.56 0.00 | 47.41 0.01 0.00 | 56.53 0.63 0.00 | 39.74 -0.13 4.84 | 24.82 0.04 12.98 | 22.27 0.24 8.54 | 13.20 0.30 11.76 | 12.69 0.17 1.00 | 22.19 0.28 0.00 | 18.13 0.22 0.01 | 24.59 0.30 -5.26 | 37.75 0.19 -31.00 | 41.63 0.58 -10.60 | 47.95 1.05 -4.09 | 57.59 1.61 0.00 | 63.17 0.96 0.00 | 49.84 0.93 0.00 | 40.50 1.10 0.00 | 39.03 0.93 0.00 |
| WADING RIVER_IC_2 23547 | 39.79 1.04 0.00 | 40.37 0.84 0.00 | 40.08 0.64 0.00 | 39.86 0.42 0.00 | 39.74 0.37 0.00 | 37.77 -0.56 0.00 | 47.41 0.01 0.00 | 56.53 0.63 0.00 | 39.74 -0.13 4.84 | 24.82 0.04 12.98 | 22.27 0.24 8.54 | 13.20 0.30 11.76 | 12.69 0.17 1.00 | 22.19 0.28 0.00 | 18.13 0.22 0.01 | 24.59 0.30 -5.26 | 37.75 0.19 -31.00 | 41.63 0.58 -10.60 | 47.95 1.05 -4.09 | 57.59 1.61 0.00 | 63.17 0.96 0.00 | 49.84 0.93 0.00 | 40.50 1.10 0.00 | 39.03 0.93 0.00 |
| WADING RIVER_IC_3 23601 | 39.79 1.04 0.00 | 40.37 0.84 0.00 | 40.08 0.64 0.00 | 39.86 0.42 0.00 | 39.74 0.37 0.00 | 37.77 -0.56 0.00 | 47.41 0.01 0.00 | 56.53 0.63 0.00 | 39.74 -0.13 4.84 | 24.82 0.04 12.98 | 22.27 0.24 8.54 | 13.20 0.30 11.76 | 12.69 0.17 1.00 | 22.19 0.28 0.00 | 18.13 0.22 0.01 | 24.59 0.30 -5.26 | 37.75 0.19 -31.00 | 41.63 0.58 -10.60 | 47.95 1.05 -4.09 | 57.59 1.61 0.00 | 63.17 0.96 0.00 | 49.84 0.93 0.00 | 40.50 1.10 0.00 | 39.03 0.93 0.00 |
| WALDENNY_12_KV_BK2 80841 | 37.02 -1.72 0.00 | 37.94 -1.58 0.00 | 37.91 -1.53 0.00 | 38.18 -1.26 0.00 | 38.23 -1.14 0.00 | 37.44 -0.89 0.00 | 45.87 -1.54 0.00 | 53.43 -2.48 0.00 | 42.89 -1.81 0.00 | 36.37 -1.41 0.00 | 29.27 -1.30 0.00 | 23.65 -1.02 0.00 | 13.11 -0.41 0.00 | 21.16 -0.75 0.00 | 17.29 -0.63 0.00 | 18.41 -0.63 0.00 | 6.22 -0.34 0.00 | 28.93 -1.52 0.00 | 40.81 -2.00 0.00 | 52.83 -3.15 0.00 | 58.69 -3.52 0.00 | 46.19 -2.72 0.00 | 37.34 -2.05 0.00 | 36.49 -1.60 0.00 |
| WALDEN__HYDRO 24148 | 39.72 0.97 0.00 | 40.37 0.84 0.00 | 40.19 0.75 0.00 | 40.08 0.64 0.00 | 40.01 0.65 0.00 | 39.01 0.68 0.00 | 48.63 1.23 0.00 | 57.84 1.94 0.00 | 46.21 1.51 0.00 | 39.04 1.27 0.00 | 30.45 1.00 1.12 | 24.52 0.84 0.97 | 13.97 0.45 0.00 | 22.62 0.71 0.00 | 18.49 0.57 0.00 | 15.83 0.60 3.80 | -15.66 0.20 22.42 | 22.25 0.91 9.11 | 41.17 1.32 2.96 | 57.96 1.97 0.00 | 64.39 2.18 0.00 | 50.56 1.65 0.00 | 40.74 1.35 0.00 | 39.33 1.23 0.00 |
| WARRENSBURG____ 23737 | 40.03 1.29 0.00 | 40.71 1.19 0.00 | 40.73 1.30 0.00 | 40.72 1.28 0.00 | 40.71 1.35 0.00 | 39.78 1.45 0.00 | 49.47 2.07 0.00 | 58.51 2.60 0.00 | 46.58 1.88 0.00 | 39.20 1.43 0.00 | 31.71 0.74 -0.40 | 25.56 0.55 -0.35 | 13.70 0.18 0.00 | 22.17 0.26 0.00 | 18.17 0.25 0.00 | 20.69 0.29 -1.37 | 14.74 0.13 -8.05 | 34.62 0.90 -3.27 | 45.21 1.34 -1.06 | 58.16 2.18 0.00 | 64.44 2.24 0.00 | 50.57 1.66 0.00 | 40.76 1.37 0.00 | 39.50 1.40 0.00 |
| WATERSIDE____6 8 9 23538 | 36.52 1.33 3.56 | 37.39 1.14 3.27 | 37.18 1.05 3.31 | 37.02 0.92 3.34 | 37.01 0.98 3.34 | 35.62 0.97 3.68 | 47.23 1.60 1.78 | 58.33 2.58 0.15 | 44.47 2.17 2.40 | 35.76 1.94 3.95 | 28.59 1.65 3.62 | 21.22 1.40 4.84 | 5.00 0.78 9.30 | 15.88 1.20 7.24 | 10.90 1.00 8.01 | 18.71 1.05 1.38 | 32.65 0.34 -25.75 | 41.29 1.40 -9.45 | 45.90 1.93 -1.16 | 54.01 2.48 4.45 | 63.85 2.75 1.10 | 48.22 2.11 2.80 | 37.75 1.83 3.47 | 36.53 1.77 3.34 |
| WATKINRD_115KV_LN8_ILLION 55919 | 38.73 -0.02 0.00 | 39.44 -0.09 0.00 | 39.31 -0.13 0.00 | 39.29 -0.16 0.00 | 39.25 -0.12 0.00 | 38.27 -0.06 0.00 | 47.51 0.10 0.00 | 56.18 0.28 0.00 | 44.81 0.11 0.00 | 37.71 -0.06 0.00 | 30.48 -0.09 0.00 | 24.51 -0.15 0.00 | 13.40 -0.13 0.00 | 21.70 -0.21 0.00 | 17.74 -0.18 0.00 | 18.83 -0.21 0.00 | 6.50 -0.06 0.00 | 30.41 -0.04 0.00 | 42.98 0.17 0.00 | 56.44 0.46 0.00 | 62.59 0.39 0.00 | 49.16 0.25 0.00 | 39.57 0.17 0.00 | 38.26 0.16 0.00 |
| WATSON__69_KV_BK 1 55734 | 40.72 1.97 0.00 | 41.27 1.75 0.00 | 41.04 1.61 0.00 | 40.86 1.42 0.00 | 40.73 1.36 0.00 | 39.42 1.09 0.00 | 49.18 1.78 0.00 | 58.76 2.86 0.00 | 45.17 2.15 1.68 | 35.24 1.99 4.52 | 30.28 1.68 1.96 | 22.82 1.37 3.22 | 13.88 0.71 0.35 | 22.93 1.02 0.00 | 18.78 0.87 0.00 | 25.23 0.94 -5.26 | 37.94 0.39 -31.00 | 44.09 1.75 -11.89 | 49.57 2.66 -4.09 | 59.48 3.50 0.00 | 65.59 3.38 0.00 | 51.39 2.48 0.00 | 41.63 2.24 0.00 | 40.20 2.11 0.00 |
| WDELAWARE__HYD 323627 | 40.33 1.59 0.00 | 40.98 1.46 0.00 | 40.81 1.37 0.00 | 40.71 1.27 0.00 | 40.70 1.33 0.00 | 39.71 1.38 0.00 | 49.56 2.15 0.00 | 58.77 2.87 0.00 | 46.90 2.19 0.00 | 39.54 1.77 0.00 | 31.06 1.35 0.86 | 24.95 1.04 0.75 | 14.09 0.57 0.00 | 22.88 0.97 0.00 | 18.63 0.71 0.00 | 16.76 0.66 2.93 | -10.49 0.24 17.29 | 24.63 1.20 7.02 | 42.34 1.81 2.28 | 58.58 2.60 0.00 | 65.03 2.82 0.00 | 51.02 2.10 0.00 | 41.06 1.67 0.00 | 39.66 1.57 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| WEST BABYLON___IC 23714 | 40.61 1.86 0.00 | 41.16 1.64 0.00 | 40.93 1.49 0.00 | 40.73 1.29 0.00 | 40.60 1.23 0.00 | 39.34 1.01 0.00 | 49.06 1.66 0.00 | 58.59 2.69 0.00 | 46.31 2.00 0.39 | 38.53 1.80 1.04 | 32.86 1.55 -0.74 | 26.21 1.25 -0.30 | 14.10 0.66 0.08 | 22.89 0.98 0.00 | 18.75 0.83 0.00 | 25.19 0.90 -5.26 | 37.92 0.36 -31.00 | 44.51 1.63 -12.43 | 49.30 2.40 -4.09 | 59.19 3.21 0.00 | 65.38 3.17 0.00 | 51.31 2.39 0.00 | 41.55 2.16 0.00 | 40.12 2.02 0.00 |
| WEST CANADA___HYD 24049 | 38.80 0.05 0.00 | 39.54 0.02 0.00 | 39.42 -0.02 0.00 | 39.40 -0.04 0.00 | 39.33 -0.04 0.00 | 38.31 -0.02 0.00 | 47.45 0.04 0.00 | 56.05 0.14 0.00 | 44.80 0.10 0.00 | 37.83 0.06 0.00 | 30.61 0.04 0.00 | 24.68 0.02 0.00 | 13.52 0.00 0.00 | 21.92 0.01 0.00 | 17.93 0.02 0.00 | 19.05 0.02 0.00 | 6.57 0.01 0.00 | 30.53 0.08 0.00 | 42.97 0.16 0.00 | 56.25 0.27 0.00 | 62.46 0.26 0.00 | 49.06 0.14 0.00 | 39.47 0.08 0.00 | 38.17 0.07 0.00 |
| WESTERN_NY_WIND 24143 | 37.41 -1.34 0.00 | 38.31 -1.22 0.00 | 38.27 -1.16 0.00 | 38.53 -0.91 0.00 | 38.56 -0.80 0.00 | 37.83 -0.49 0.00 | 46.55 -0.86 0.00 | 54.32 -1.58 0.00 | 43.47 -1.23 0.00 | 36.45 -1.32 0.00 | 29.12 -1.45 0.00 | 23.40 -1.26 0.00 | 13.09 -0.43 0.00 | 20.88 -1.04 0.00 | 17.02 -0.90 0.00 | 18.12 -0.91 0.00 | 6.19 -0.37 0.00 | 28.84 -1.61 0.00 | 40.99 -1.82 0.00 | 53.45 -2.53 0.00 | 59.38 -2.83 0.00 | 46.70 -2.21 0.00 | 37.75 -1.64 0.00 | 36.87 -1.23 0.00 |
| WESTOVER___LESR 323668 | 38.12 -0.63 0.00 | 38.83 -0.70 0.00 | 38.71 -0.73 0.00 | 38.71 -0.73 0.00 | 38.67 -0.69 0.00 | 37.76 -0.57 0.00 | 46.80 -0.61 0.00 | 55.25 -0.65 0.00 | 44.04 -0.67 0.00 | 37.16 -0.61 0.00 | 29.99 -0.58 0.00 | 24.21 -0.45 0.00 | 13.35 -0.17 0.00 | 21.62 -0.29 0.00 | 17.66 -0.25 0.00 | 18.74 -0.29 0.00 | 6.39 -0.17 0.00 | 29.90 -0.55 0.00 | 42.26 -0.55 0.00 | 55.34 -0.64 0.00 | 61.43 -0.78 0.00 | 48.13 -0.78 0.00 | 38.71 -0.68 0.00 | 37.49 -0.61 0.00 |
| WETHRSFD_WT_PWR 323626 | 35.61 -3.14 0.00 | 36.59 -2.93 0.00 | 36.64 -2.80 0.00 | 36.89 -2.56 0.00 | 36.77 -2.60 0.00 | 35.94 -2.39 0.00 | 44.25 -3.15 0.00 | 51.88 -4.02 0.00 | 41.49 -3.21 0.00 | 35.09 -2.68 0.00 | 28.38 -2.19 0.00 | 22.88 -1.78 0.00 | 12.73 -0.79 0.00 | 20.55 -1.36 0.00 | 16.78 -1.13 0.00 | 17.85 -1.19 0.00 | 6.04 -0.52 0.00 | 28.43 -2.02 0.00 | 40.50 -2.31 0.00 | 52.77 -3.21 0.00 | 58.57 -3.64 0.00 | 46.05 -2.87 0.00 | 37.12 -2.28 0.00 | 36.12 -1.97 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 39.52 0.77 0.00 | 40.18 0.65 0.00 | 40.00 0.56 0.00 | 39.88 0.43 0.00 | 39.83 0.46 0.00 | 38.79 0.45 0.00 | 48.37 0.97 0.00 | 57.60 1.70 0.00 | 46.05 1.35 0.00 | 38.96 1.19 0.00 | 28.64 1.00 2.94 | 22.94 0.84 2.56 | 13.98 0.46 0.00 | 22.62 0.71 0.00 | 18.51 0.59 0.00 | 9.67 0.62 9.98 | -52.12 0.20 58.88 | 7.38 0.84 23.91 | 36.20 1.17 7.78 | 57.67 1.69 0.00 | 64.09 1.88 0.00 | 50.30 1.39 0.00 | 40.55 1.16 0.00 | 39.16 1.06 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 39.52 0.77 0.00 | 40.18 0.65 0.00 | 40.00 0.56 0.00 | 39.88 0.43 0.00 | 39.83 0.46 0.00 | 38.79 0.45 0.00 | 48.37 0.97 0.00 | 57.60 1.70 0.00 | 46.05 1.35 0.00 | 38.96 1.19 0.00 | 28.64 1.00 2.94 | 22.94 0.84 2.56 | 13.98 0.46 0.00 | 22.62 0.71 0.00 | 18.51 0.59 0.00 | 9.67 0.62 9.98 | -52.12 0.20 58.88 | 7.38 0.84 23.91 | 36.20 1.17 7.78 | 57.67 1.69 0.00 | 64.09 1.88 0.00 | 50.30 1.39 0.00 | 40.55 1.16 0.00 | 39.16 1.06 0.00 |
| WHITEHAL_115KV_TB1 80871 | 40.98 2.24 0.00 | 41.50 1.97 0.00 | 41.86 2.43 0.00 | 41.91 2.47 0.00 | 41.86 2.50 0.00 | 40.90 2.57 0.00 | 50.87 3.47 0.00 | 59.99 4.09 0.00 | 47.67 2.97 0.00 | 40.18 2.41 0.00 | 32.20 1.22 -0.40 | 26.00 0.98 -0.35 | 13.92 0.40 0.00 | 22.54 0.63 0.00 | 18.59 0.67 0.00 | 21.27 0.86 -1.38 | 14.95 0.29 -8.10 | 35.70 1.96 -3.29 | 46.60 2.72 -1.07 | 60.45 4.47 0.00 | 66.93 4.73 0.00 | 52.48 3.57 0.00 | 42.17 2.78 0.00 | 40.86 2.77 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 40.14 1.39 0.00 | 40.77 1.24 0.00 | 40.55 1.11 0.00 | 40.45 1.00 0.00 | 40.38 1.02 0.00 | 39.37 1.04 0.00 | 49.15 1.75 0.00 | 58.61 2.71 0.00 | 46.90 2.20 0.00 | 39.69 1.92 0.00 | 33.78 1.61 -1.61 | 27.38 1.32 -1.40 | 14.24 0.72 0.00 | 23.03 1.11 0.00 | 18.85 0.93 0.00 | 25.48 0.99 -5.46 | 39.06 0.33 -32.17 | 44.97 1.46 -13.06 | 49.09 2.03 -4.25 | 58.72 2.74 0.00 | 65.15 2.95 0.00 | 51.15 2.24 0.00 | 41.24 1.84 0.00 | 39.81 1.72 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 40.11 1.36 0.00 | 40.68 1.16 0.00 | 40.40 0.96 0.00 | 40.20 0.76 0.00 | 40.05 0.69 0.00 | 38.38 0.05 0.00 | 47.99 0.58 0.00 | 57.24 1.34 0.00 | 40.56 0.63 4.77 | 25.63 0.66 12.80 | 22.88 0.71 8.40 | 13.69 0.61 11.58 | 12.85 0.31 0.98 | 22.40 0.48 0.00 | 18.32 0.41 0.01 | 24.78 0.49 -5.26 | 37.80 0.24 -31.00 | 41.94 0.87 -10.62 | 48.35 1.44 -4.09 | 58.09 2.11 0.00 | 63.96 1.75 0.00 | 50.42 1.51 0.00 | 40.95 1.56 0.00 | 39.49 1.39 0.00 |
| WOODARD___115KV_TB2 355635 | 37.61 -1.14 0.00 | 38.38 -1.15 0.00 | 38.30 -1.13 0.00 | 38.36 -1.09 0.00 | 38.29 -1.08 0.00 | 37.31 -1.02 0.00 | 46.17 -1.24 0.00 | 54.44 -1.46 0.00 | 43.45 -1.25 0.00 | 36.63 -1.14 0.00 | 29.63 -0.94 0.00 | 23.89 -0.77 0.00 | 13.10 -0.42 0.00 | 21.24 -0.68 0.00 | 17.34 -0.58 0.00 | 18.41 -0.63 0.00 | 6.33 -0.23 0.00 | 29.45 -1.00 0.00 | 41.49 -1.32 0.00 | 54.29 -1.70 0.00 | 60.26 -1.94 0.00 | 47.32 -1.60 0.00 | 38.12 -1.27 0.00 | 36.93 -1.17 0.00 |
| YORK___WARBASSE 23770 | 56.73 1.64 -16.34 | 56.00 1.45 -15.02 | 55.99 1.36 -15.19 | 56.00 1.21 -15.34 | 55.98 1.27 -15.34 | 56.45 1.23 -16.90 | 57.51 1.96 -8.15 | 59.59 2.99 -0.69 | 58.26 2.51 -11.04 | 58.16 2.23 -18.16 | 57.70 1.88 -25.24 | 55.98 1.60 -29.73 | 57.12 0.89 -42.71 | 56.53 1.38 -33.24 | 55.85 1.14 -36.79 | 55.86 1.21 -35.62 | 61.34 0.38 -54.40 | 58.79 1.63 -26.71 | 62.55 2.27 -17.47 | 79.26 2.86 -20.42 | 70.41 3.18 -5.03 | 64.24 2.48 -12.85 | 57.48 2.14 -15.94 | 57.25 2.05 -17.11 |