

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

07/28/2023

| Name | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|
| PTID | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT |
| 59TH STREET_GT_1 | 37.66 | 29.46 | 27.86 | 25.21 | 22.90 | 24.38 | 26.71 | 32.99 | 32.26 | 31.42 | 34.48 | 36.27 | 37.49 | 43.71 | 45.40 | 43.50 | 52.70 | 64.90 | 79.40 | 65.76 | 48.11 | 40.63 | 37.41 | 47.24 |
| 24138 | 2.75 | 2.23 | 2.00 | 1.81 | 1.62 | 1.62 | 1.84 | 2.39 | 2.72 | 2.84 | 3.21 | 2.84 | 3.82 | 4.62 | 4.76 | 4.57 | 5.59 | 6.82 | 7.85 | 5.96 | 3.31 | 2.26 | 2.49 | 3.51 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| 74TH STREET_GT_1 | 37.79 | 29.56 | 27.94 | 25.28 | 22.96 | 24.43 | 26.76 | 33.03 | 32.32 | 31.44 | 34.49 | 36.26 | 37.47 | 43.71 | 45.43 | 43.56 | 52.77 | 64.97 | 79.49 | 65.88 | 48.18 | 40.69 | 37.47 | 47.35 |
| 24260 | 2.88 | 2.33 | 2.09 | 1.88 | 1.68 | 1.67 | 1.89 | 2.44 | 2.78 | 2.86 | 3.22 | 2.83 | 3.80 | 4.62 | 4.79 | 4.62 | 5.65 | 6.88 | 7.94 | 6.08 | 3.38 | 2.32 | 2.55 | 3.62 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| 74TH STREET_GT_2 | 37.79 | 29.56 | 27.94 | 25.28 | 22.96 | 24.43 | 26.76 | 33.03 | 32.32 | 31.44 | 34.49 | 36.26 | 37.47 | 43.71 | 45.43 | 43.56 | 52.77 | 64.97 | 79.49 | 65.88 | 48.18 | 40.69 | 37.47 | 47.35 |
| 24261 | 2.88 | 2.33 | 2.09 | 1.88 | 1.68 | 1.67 | 1.89 | 2.44 | 2.78 | 2.86 | 3.22 | 2.83 | 3.80 | 4.62 | 4.79 | 4.62 | 5.65 | 6.88 | 7.94 | 6.08 | 3.38 | 2.32 | 2.55 | 3.62 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| ADK HUDSON___FALLS | 37.52 | 29.18 | 27.75 | 25.22 | 22.79 | 24.45 | 26.76 | 32.85 | 31.84 | 30.79 | 34.45 | 28.53 | 36.57 | 42.45 | 43.99 | 42.27 | 50.97 | 63.06 | 78.42 | 65.36 | 71.87 | 71.24 | 57.09 | 47.41 |
| 24011 | 2.62 | 1.94 | 1.90 | 1.70 | 1.50 | 1.70 | 1.89 | 2.25 | 2.31 | 2.21 | 2.37 | 2.10 | 2.91 | 3.36 | 3.35 | 3.34 | 3.85 | 4.97 | 6.87 | 5.56 | 3.42 | 2.51 | 2.53 | 3.68 |
| | 0.00 | 0.00 | 0.00 | -0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.23 | -1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.39 | -44.16 | -28.55 | 0.00 |
| ADK RESOURCE___RCVRY | 37.82 | 29.34 | 27.94 | 25.38 | 22.92 | 24.63 | 26.99 | 33.17 | 32.13 | 31.04 | 34.72 | 28.76 | 36.91 | 42.88 | 44.38 | 42.67 | 51.45 | 63.67 | 79.29 | 66.00 | 72.36 | 71.68 | 57.46 | 47.87 |
| 23798 | 2.91 | 2.10 | 2.08 | 1.86 | 1.63 | 1.88 | 2.13 | 2.57 | 2.59 | 2.45 | 2.65 | 2.33 | 3.24 | 3.79 | 3.74 | 3.73 | 4.33 | 5.58 | 7.74 | 6.21 | 3.79 | 2.79 | 2.81 | 4.14 |
| | 0.00 | 0.00 | 0.00 | -0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.23 | -1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.52 | -44.32 | -28.65 | 0.00 |
| ADK S GLENS___FALLS | 37.52 | 29.18 | 27.75 | 25.22 | 22.79 | 24.45 | 26.76 | 32.85 | 31.84 | 30.79 | 34.45 | 28.53 | 36.57 | 42.45 | 43.99 | 42.27 | 50.97 | 63.06 | 78.42 | 65.36 | 71.87 | 71.24 | 57.09 | 47.41 |
| 24028 | 2.62 | 1.94 | 1.90 | 1.70 | 1.50 | 1.70 | 1.89 | 2.25 | 2.31 | 2.21 | 2.37 | 2.10 | 2.91 | 3.36 | 3.35 | 3.34 | 3.85 | 4.97 | 6.87 | 5.56 | 3.42 | 2.51 | 2.53 | 3.68 |
| | 0.00 | 0.00 | 0.00 | -0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.23 | -1.99 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.39 | -44.16 | -28.55 | 0.00 |
| ADK_NYS___DAM | 36.85 | 29.02 | 27.65 | 25.13 | 22.73 | 24.37 | 26.46 | 32.20 | 31.23 | 30.19 | 33.84 | 28.29 | 35.87 | 41.70 | 43.16 | 41.39 | 49.53 | 61.18 | 75.56 | 63.17 | 63.92 | 61.71 | 50.75 | 46.27 |
| 23527 | 1.94 | 1.79 | 1.79 | 1.63 | 1.44 | 1.61 | 1.59 | 1.61 | 1.69 | 1.61 | 1.90 | 1.57 | 2.20 | 2.62 | 2.52 | 2.46 | 2.42 | 3.10 | 4.00 | 3.37 | 2.26 | 1.70 | 1.84 | 2.54 |
| | 0.00 | 0.00 | 0.00 | -0.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.09 | -2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -27.60 | -35.44 | -22.92 | 0.00 |
| AIR_PRODUCTS___DRP | 35.76 | 28.02 | 26.64 | 24.24 | 21.92 | 23.44 | 25.52 | 31.22 | 30.26 | 29.30 | 32.79 | 27.20 | 34.65 | 40.26 | 41.78 | 40.10 | 48.34 | 59.60 | 73.35 | 61.19 | 58.13 | 54.96 | 45.95 | 44.44 |
| 24190 | 0.85 | 0.79 | 0.78 | 0.73 | 0.62 | 0.69 | 0.66 | 0.62 | 0.73 | 0.71 | 0.84 | 0.70 | 0.98 | 1.17 | 1.15 | 1.17 | 1.23 | 1.51 | 1.79 | 1.40 | 0.92 | 0.66 | 0.73 | 0.71 |
| | 0.00 | 0.00 | 0.00 | -0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.11 | -2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.15 | -29.73 | -19.22 | 0.00 |
| AKWESSNE_115KV_BK | 33.97 | 26.53 | 25.25 | 22.43 | 20.75 | 22.18 | 24.26 | 29.88 | 28.64 | 27.59 | 27.62 | 19.26 | 32.08 | 37.16 | 38.59 | 36.96 | 42.85 | 23.65 | 46.62 | 57.16 | 32.56 | 23.66 | 25.05 | 42.57 |
| 355683 | -0.94 | -0.70 | -0.61 | -0.59 | -0.54 | -0.57 | -0.61 | -0.71 | -0.89 | -0.99 | -1.23 | -1.13 | -1.58 | -1.94 | -2.05 | -1.98 | -2.40 | -2.89 | -3.37 | -2.64 | -1.50 | -0.92 | -0.95 | -1.16 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.05 | 0.00 | 0.00 | 0.00 | 0.00 | 1.86 | 31.54 | 21.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY___1 | 35.76 | 28.02 | 26.64 | 24.24 | 21.92 | 23.44 | 25.52 | 31.22 | 30.26 | 29.30 | 32.79 | 27.20 | 34.65 | 40.26 | 41.78 | 40.10 | 48.34 | 59.60 | 73.35 | 61.19 | 58.13 | 54.96 | 45.95 | 44.44 |
| 23571 | 0.85 | 0.79 | 0.78 | 0.73 | 0.62 | 0.69 | 0.66 | 0.62 | 0.73 | 0.71 | 0.84 | 0.70 | 0.98 | 1.17 | 1.15 | 1.17 | 1.23 | 1.51 | 1.79 | 1.40 | 0.92 | 0.66 | 0.73 | 0.71 |
| | 0.00 | 0.00 | 0.00 | -0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.11 | -2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.15 | -29.73 | -19.22 | 0.00 |
| ALBANY___2 | 35.76 | 28.02 | 26.64 | 24.24 | 21.92 | 23.44 | 25.52 | 31.22 | 30.26 | 29.30 | 32.79 | 27.20 | 34.65 | 40.26 | 41.78 | 40.10 | 48.34 | 59.60 | 73.35 | 61.19 | 58.13 | 54.96 | 45.95 | 44.44 |
| 23572 | 0.85 | 0.79 | 0.78 | 0.73 | 0.62 | 0.69 | 0.66 | 0.62 | 0.73 | 0.71 | 0.84 | 0.70 | 0.98 | 1.17 | 1.15 | 1.17 | 1.23 | 1.51 | 1.79 | 1.40 | 0.92 | 0.66 | 0.73 | 0.71 |
| | 0.00 | 0.00 | 0.00 | -0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.11 | -2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.15 | -29.73 | -19.22 | 0.00 |
| ALBANY___3 | 35.76 | 28.02 | 26.64 | 24.24 | 21.92 | 23.44 | 25.52 | 31.22 | 30.26 | 29.30 | 32.79 | 27.20 | 34.65 | 40.26 | 41.78 | 40.10 | 48.34 | 59.60 | 73.35 | 61.19 | 58.13 | 54.96 | 45.95 | 44.44 |
| 23573 | 0.85 | 0.79 | 0.78 | 0.73 | 0.62 | 0.69 | 0.66 | 0.62 | 0.73 | 0.71 | 0.84 | 0.70 | 0.98 | 1.17 | 1.15 | 1.17 | 1.23 | 1.51 | 1.79 | 1.40 | 0.92 | 0.66 | 0.73 | 0.71 |
| | 0.00 | 0.00 | 0.00 | -0.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.11 | -2.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -23.15 | -29.73 | -19.22 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| ALBANY___4 23574 | 35.76 0.85 0.00 | 28.02 0.79 0.00 | 26.64 0.78 0.00 | 24.24 0.73 -0.49 | 21.92 0.62 0.00 | 23.44 0.69 0.00 | 25.52 0.66 0.00 | 31.22 0.62 0.00 | 30.26 0.73 0.00 | 29.30 0.71 0.00 | 32.79 0.84 -3.11 | 27.20 0.70 -2.05 | 34.65 0.98 0.00 | 40.26 1.17 0.00 | 41.78 1.15 0.00 | 40.10 1.17 0.00 | 48.34 1.23 0.00 | 59.60 1.51 0.00 | 73.35 1.79 0.00 | 61.19 1.40 0.00 | 58.13 0.92 -23.15 | 54.96 0.66 -29.73 | 45.95 0.73 -19.22 | 44.44 0.71 0.00 |
| ALBANY___LFGE 323615 | 36.19 1.28 0.00 | 28.34 1.11 0.00 | 26.94 1.08 0.00 | 24.51 1.00 -0.49 | 22.16 0.88 0.00 | 23.71 0.96 0.00 | 25.83 0.97 0.00 | 31.60 1.00 0.00 | 30.66 1.13 0.00 | 29.71 1.13 0.00 | 33.27 1.28 -3.14 | 27.60 1.11 -2.05 | 35.22 1.56 0.00 | 40.95 1.86 0.00 | 42.48 1.84 0.00 | 40.77 1.84 0.00 | 49.15 2.03 0.00 | 60.61 2.52 0.00 | 74.57 3.02 0.00 | 62.19 2.39 0.00 | 62.04 1.48 -26.51 | 59.66 1.06 -34.04 | 49.14 1.13 -22.00 | 45.10 1.37 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 34.06 -0.85 0.00 | 26.59 -0.64 0.00 | 25.31 -0.55 0.00 | 22.48 -0.54 0.00 | 20.80 -0.49 0.00 | 22.25 -0.51 0.00 | 24.33 -0.53 0.00 | 29.98 -0.62 0.00 | 28.71 -0.82 0.00 | 27.66 -0.92 0.00 | 27.65 -1.20 0.00 | 19.32 -1.20 3.92 | 31.88 -1.78 0.00 | 36.97 -2.12 0.00 | 38.36 -2.28 0.00 | 36.71 -2.23 0.00 | 41.86 -2.71 2.54 | 20.11 -3.28 34.69 | 46.92 -3.76 20.88 | 56.84 -2.95 0.00 | 32.41 -1.65 0.00 | 23.71 -0.86 0.00 | 25.14 -0.86 0.00 | 42.74 -0.98 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 34.06 -0.85 0.00 | 26.59 -0.64 0.00 | 25.31 -0.55 0.00 | 22.48 -0.54 0.00 | 20.80 -0.49 0.00 | 22.25 -0.51 0.00 | 24.33 -0.53 0.00 | 29.98 -0.62 0.00 | 28.71 -0.82 0.00 | 27.66 -0.92 0.00 | 27.65 -1.20 0.00 | 19.32 -1.20 3.92 | 31.88 -1.78 0.00 | 36.97 -2.12 0.00 | 38.36 -2.28 0.00 | 36.71 -2.23 0.00 | 41.86 -2.71 2.54 | 20.11 -3.28 34.69 | 46.92 -3.76 20.88 | 56.84 -2.95 0.00 | 32.41 -1.65 0.00 | 23.71 -0.86 0.00 | 25.14 -0.86 0.00 | 42.74 -0.98 0.00 |
| ALCOA___DSASP 323711 | 34.06 -0.85 0.00 | 26.59 -0.64 0.00 | 25.31 -0.55 0.00 | 22.48 -0.54 0.00 | 20.80 -0.49 0.00 | 22.25 -0.51 0.00 | 24.33 -0.53 0.00 | 29.98 -0.62 0.00 | 28.71 -0.82 0.00 | 27.66 -0.92 0.00 | 27.65 -1.20 0.00 | 19.32 -1.20 3.92 | 31.88 -1.78 0.00 | 36.97 -2.12 0.00 | 38.36 -2.28 0.00 | 36.71 -2.22 0.00 | 41.86 -2.72 2.54 | 20.11 -3.29 34.69 | 46.92 -3.76 20.88 | 56.85 -2.95 0.00 | 32.41 -1.65 0.00 | 23.71 -0.86 0.00 | 25.15 -0.86 0.00 | 42.74 -0.98 0.00 |
| ALLEGHENY___COGEN 23514 | 36.91 2.00 0.00 | 28.58 1.34 0.00 | 26.99 1.13 0.00 | 24.04 0.96 -0.06 | 22.27 0.99 0.00 | 23.84 1.09 0.00 | 26.27 1.40 0.00 | 32.25 1.65 0.00 | 30.53 0.99 0.00 | 28.88 0.30 0.00 | 28.73 -0.51 -0.39 | 23.87 -0.58 0.00 | 32.64 -1.03 0.00 | 37.86 -1.23 0.00 | 39.88 -0.76 0.00 | 38.07 -0.87 0.00 | 46.01 -1.10 0.00 | 56.19 -1.89 0.00 | 70.13 -1.43 0.00 | 59.54 -0.26 0.00 | 36.43 0.59 -1.79 | 27.44 0.57 -2.30 | 27.88 0.40 -1.48 | 43.65 -0.08 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 36.19 1.28 0.00 | 28.31 1.08 0.00 | 26.91 1.05 0.00 | 24.48 0.98 -0.49 | 22.15 0.86 0.00 | 23.67 0.92 0.00 | 25.79 0.92 0.00 | 31.60 1.01 0.00 | 30.65 1.11 0.00 | 29.67 1.09 0.00 | 33.20 1.24 -3.11 | 27.51 1.07 -2.00 | 40.91 1.49 -5.76 | 42.35 1.73 -1.53 | 42.36 1.72 0.00 | 40.63 1.69 0.00 | 49.06 1.94 0.00 | 60.49 2.40 0.00 | 74.43 2.87 0.00 | 62.11 2.32 0.00 | 56.27 1.43 -20.78 | 52.29 1.02 -26.69 | 44.36 1.10 -17.25 | 45.13 1.40 0.00 |
| ALTONA_WT_PWR 323606 | 32.99 -1.92 0.00 | 25.73 -1.51 0.00 | 24.94 -0.91 0.00 | 22.04 -0.97 0.00 | 20.27 -1.01 0.00 | 21.68 -1.08 0.00 | 23.66 -1.20 0.00 | 29.19 -1.41 0.00 | 28.13 -1.40 0.00 | 27.07 -1.52 0.00 | 26.87 -1.98 0.00 | 18.41 -1.97 4.06 | 30.84 -2.83 0.00 | 35.83 -3.26 0.00 | 37.57 -3.07 0.00 | 36.13 -2.80 0.00 | 41.80 -3.53 1.79 | 22.13 -4.73 31.22 | 45.04 -4.88 21.64 | 56.16 -3.64 0.00 | 31.99 -2.07 0.00 | 23.20 -1.37 0.00 | 24.57 -1.43 0.00 | 42.05 -1.68 0.00 |
| AMERICAN_REF_FUEL 24010 | 35.22 0.31 0.00 | 27.38 0.15 0.00 | 25.96 0.10 0.00 | 23.02 -0.05 -0.06 | 21.27 -0.02 0.00 | 22.70 -0.05 0.00 | 25.03 0.16 0.00 | 30.70 0.11 0.00 | 29.67 0.13 0.00 | 28.84 0.25 0.00 | 29.10 -0.10 -0.35 | 24.55 0.10 0.00 | 33.80 0.13 0.00 | 38.98 -0.11 0.00 | 40.66 0.02 0.00 | 38.71 -0.22 0.00 | 46.97 -0.14 0.00 | 57.28 -0.81 0.00 | 70.09 -1.47 0.00 | 59.36 -0.44 0.00 | 35.42 -0.22 -1.58 | 26.38 -0.22 -2.03 | 27.01 -0.31 -1.31 | 43.95 0.22 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 36.21 1.30 0.00 | 28.13 0.89 0.00 | 26.62 0.76 0.00 | 23.68 0.60 -0.06 | 21.96 0.67 0.00 | 23.49 0.74 0.00 | 25.93 1.07 0.00 | 31.70 1.11 0.00 | 30.76 1.22 0.00 | 30.20 1.62 0.00 | 30.70 1.46 -0.40 | 25.89 1.45 0.00 | 35.90 2.23 0.00 | 41.69 2.60 0.00 | 43.60 2.96 0.00 | 41.00 2.07 0.00 | 50.39 3.27 0.00 | 61.71 3.63 0.00 | 75.69 4.14 0.00 | 63.22 3.43 0.00 | 37.60 1.72 -1.82 | 27.94 1.02 -2.34 | 28.49 0.97 -1.51 | 45.66 1.93 0.00 |
| ARTHUR_KILL_GT_1 23520 | 36.95 2.56 0.52 | 29.40 2.15 -0.01 | 27.78 1.93 0.00 | 25.14 1.75 -0.38 | 22.81 1.52 0.00 | 24.27 1.52 0.00 | 26.57 1.70 0.00 | 32.76 2.17 0.00 | 32.08 2.54 0.00 | 31.12 2.53 0.00 | 34.13 2.86 -2.42 | 35.92 2.50 -8.98 | 36.89 3.23 0.01 | 41.12 3.96 1.93 | 44.77 4.12 -0.01 | 42.99 4.06 -0.01 | 52.14 5.02 -0.01 | 64.16 6.07 0.00 | 78.36 6.80 0.00 | 65.04 5.25 0.00 | 47.71 2.91 -10.74 | 40.11 1.98 -13.56 | 35.30 2.18 -7.11 | 37.59 2.98 9.12 |
| ARTHUR_KILL_2 23512 | 36.80 2.40 0.52 | 29.28 2.04 -0.01 | 27.68 1.82 0.00 | 25.05 1.66 -0.38 | 22.73 1.44 0.00 | 24.20 1.44 0.00 | 26.47 1.60 0.00 | 32.64 2.04 0.00 | 31.96 2.42 0.00 | 30.99 2.41 0.00 | 34.01 2.74 -2.42 | 35.81 2.38 -8.98 | 36.75 3.09 0.01 | 40.95 3.79 1.93 | 44.56 3.92 -0.01 | 42.79 3.85 -0.01 | 51.89 4.77 -0.01 | 63.84 5.75 0.00 | 77.98 6.43 0.00 | 64.73 4.94 0.00 | 47.52 2.73 -10.74 | 39.98 1.85 -13.56 | 35.17 2.06 -7.11 | 37.40 2.79 9.12 |
| ARTHUR_KILL_3 23513 | 36.69 2.30 0.52 | 29.15 1.92 0.00 | 27.56 1.70 0.00 | 24.93 1.54 -0.38 | 22.63 1.35 0.00 | 24.07 1.32 0.00 | 26.36 1.50 0.00 | 32.54 1.94 0.00 | 31.82 2.28 0.00 | 30.99 2.40 0.00 | 34.03 2.76 -2.42 | 35.85 2.43 -8.98 | 36.93 3.26 0.00 | 41.09 3.93 1.93 | 44.70 4.06 0.00 | 42.85 3.92 0.00 | 51.92 4.80 0.00 | 63.03 5.85 0.90 | 77.56 6.67 0.67 | 64.83 5.04 0.00 | 47.48 2.81 -10.62 | 40.05 1.92 -13.56 | 35.22 2.11 -7.11 | 37.85 2.86 8.73 |
| ARTHUR_KILL_COGEN 323718 | 36.95 2.56 0.52 | 29.40 2.15 -0.01 | 27.78 1.93 0.00 | 25.14 1.75 -0.38 | 22.81 1.52 0.00 | 24.27 1.52 0.00 | 26.57 1.70 0.00 | 32.76 2.17 0.00 | 32.08 2.54 0.00 | 31.12 2.53 0.00 | 34.13 2.86 -2.42 | 35.92 2.50 -8.98 | 36.89 3.23 0.01 | 41.12 3.96 1.93 | 44.77 4.12 -0.01 | 42.99 4.06 -0.01 | 52.14 5.02 -0.01 | 64.16 6.07 0.00 | 78.36 6.80 0.00 | 65.04 5.25 0.00 | 47.71 2.91 -10.74 | 40.11 1.98 -13.56 | 35.30 2.18 -7.11 | 37.59 2.98 9.12 |
| ASHOKAN____ 23654 | 36.65 1.74 0.00 | 28.64 1.40 0.00 | 27.22 1.37 0.00 | 24.68 1.24 -0.43 | 22.37 1.08 0.00 | 23.93 1.17 0.00 | 26.13 1.26 0.00 | 32.05 1.45 0.00 | 31.04 1.50 0.00 | 30.04 1.46 0.00 | 33.13 1.54 -2.74 | 25.94 1.50 0.00 | -39.08 2.42 75.16 | 21.92 2.76 19.93 | 43.31 2.67 0.00 | 41.79 2.85 0.00 | 50.59 3.48 0.00 | 62.62 4.53 0.00 | 77.18 5.62 0.00 | 64.34 4.55 0.00 | 52.72 2.50 -16.16 | 46.88 1.56 -20.75 | 41.05 1.63 -13.41 | 46.01 2.28 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| ASTORIA_EAST_ENERGY_CC1 323581 | 37.36 | 29.24 | 27.65 | 25.05 | 22.66 | 24.10 | 26.41 | 32.60 | 31.91 | 30.99 | 34.02 | 35.83 | 37.04 | 43.23 | 44.88 | 42.93 | 51.89 | 63.89 | 78.19 | 64.89 | 47.67 | 40.34 | 37.11 | 46.79 |
| | 2.45 | 2.01 | 1.79 | 1.66 | 1.38 | 1.35 | 1.54 | 2.00 | 2.37 | 2.41 | 2.75 | 2.41 | 3.38 | 4.14 | 4.24 | 4.00 | 4.78 | 5.81 | 6.64 | 5.10 | 2.87 | 1.98 | 2.19 | 3.07 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 37.36 | 29.24 | 27.65 | 25.05 | 22.66 | 24.10 | 26.41 | 32.60 | 31.91 | 30.99 | 34.02 | 35.83 | 37.04 | 43.23 | 44.88 | 42.93 | 51.89 | 63.89 | 78.19 | 64.89 | 47.67 | 40.34 | 37.11 | 46.79 |
| | 2.45 | 2.01 | 1.79 | 1.66 | 1.38 | 1.35 | 1.54 | 2.00 | 2.37 | 2.41 | 2.75 | 2.41 | 3.38 | 4.14 | 4.24 | 4.00 | 4.78 | 5.81 | 6.64 | 5.10 | 2.87 | 1.98 | 2.19 | 3.07 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT2_1 24094 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT2_2 24095 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT2_3 24096 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT2_4 24097 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT3_1 24098 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT3_2 24099 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT3_3 24100 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT3_4 24101 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT4_1 24102 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT4_2 24103 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT4_3 24104 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT4_4 24105 | 37.38 | 29.26 | 27.66 | 25.06 | 22.67 | 24.12 | 26.42 | 32.62 | 31.92 | 31.01 | 34.03 | 35.85 | 37.05 | 43.24 | 44.92 | 42.95 | 51.92 | 63.93 | 78.22 | 64.92 | 47.68 | 40.36 | 37.13 | 46.82 |
| | 2.48 | 2.02 | 1.80 | 1.67 | 1.39 | 1.36 | 1.55 | 2.02 | 2.39 | 2.43 | 2.76 | 2.43 | 3.38 | 4.16 | 4.28 | 4.02 | 4.81 | 5.84 | 6.67 | 5.12 | 2.88 | 1.99 | 2.21 | 3.09 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| ASTORIA_GT_1 23523 | 37.46 | 29.32 | 27.72 | 25.11 | 22.72 | 24.17 | 26.48 | 32.70 | 32.01 | 31.10 | 34.12 | 35.92 | 37.16 | 43.37 | 45.05 | 43.08 | 52.07 | 64.12 | 78.46 | 65.12 | 47.78 | 40.43 | 37.20 | 46.95 |
| | 2.56 | 2.09 | 1.86 | 1.72 | 1.44 | 1.41 | 1.61 | 2.10 | 2.47 | 2.51 | 2.85 | 2.50 | 3.50 | 4.29 | 4.41 | 4.16 | 4.96 | 6.04 | 6.91 | 5.32 | 2.99 | 2.07 | 2.28 | 3.22 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------------------|-------------------------|------------------------|-----------------------|
| ASTORIA_GT_10 24110 | 37.31 2.40 0.00 | 29.19 1.96 0.00 | 27.61 1.75 0.00 | 25.02 1.62 -0.38 | 22.71 1.42 0.00 | 24.15 1.39 0.00 | 26.43 1.57 0.00 | 32.61 2.01 0.00 | 31.87 2.33 0.00 | 30.96 2.38 0.00 | 34.06 2.79 -2.42 | 35.89 2.47 -8.98 | 36.91 3.24 0.00 | 43.06 3.97 0.00 | 40.10 4.08 4.62 | 42.86 3.93 0.00 | 51.90 4.79 0.00 | 63.89 5.81 0.00 | 78.12 6.57 0.00 | 64.81 5.02 0.00 | 47.59 2.79 -10.74 | 40.28 1.92 -13.79 | 37.05 2.13 -8.92 | 46.69 2.96 0.00 |
| ASTORIA_GT_11 24225 | 37.31 2.40 0.00 | 29.19 1.96 0.00 | 27.61 1.75 0.00 | 25.02 1.62 -0.38 | 22.71 1.42 0.00 | 24.15 1.39 0.00 | 26.43 1.57 0.00 | 32.61 2.01 0.00 | 31.87 2.33 0.00 | 30.96 2.38 0.00 | 34.06 2.79 -2.42 | 35.89 2.47 -8.98 | 36.91 3.24 0.00 | 43.06 3.97 0.00 | 40.10 4.08 4.62 | 42.86 3.93 0.00 | 51.90 4.79 0.00 | 63.89 5.81 0.00 | 78.12 6.57 0.00 | 64.81 5.02 0.00 | 47.59 2.79 -10.74 | 40.28 1.92 -13.79 | 37.05 2.13 -8.92 | 46.69 2.96 0.00 |
| ASTORIA_GT_12 24226 | 37.31 2.40 0.00 | 29.19 1.96 0.00 | 27.61 1.75 0.00 | 25.02 1.62 -0.38 | 22.71 1.42 0.00 | 24.15 1.39 0.00 | 26.43 1.57 0.00 | 32.61 2.01 0.00 | 31.87 2.33 0.00 | 30.96 2.38 0.00 | 34.06 2.79 -2.42 | 35.89 2.47 -8.98 | 36.91 3.24 0.00 | 43.06 3.97 0.00 | 40.10 4.08 4.62 | 42.86 3.93 0.00 | 51.90 4.79 0.00 | 63.89 5.81 0.00 | 78.12 6.57 0.00 | 64.81 5.02 0.00 | 47.59 2.79 -10.74 | 40.28 1.92 -13.79 | 37.05 2.13 -8.92 | 46.69 2.96 0.00 |
| ASTORIA_GT_13 24227 | 37.31 2.40 0.00 | 29.19 1.96 0.00 | 27.61 1.75 0.00 | 25.02 1.62 -0.38 | 22.71 1.42 0.00 | 24.15 1.39 0.00 | 26.43 1.57 0.00 | 32.61 2.01 0.00 | 31.87 2.33 0.00 | 30.96 2.38 0.00 | 34.06 2.79 -2.42 | 35.89 2.47 -8.98 | 36.91 3.24 0.00 | 43.06 3.97 0.00 | 40.10 4.08 4.62 | 42.86 3.93 0.00 | 51.90 4.79 0.00 | 63.89 5.81 0.00 | 78.12 6.57 0.00 | 64.81 5.02 0.00 | 47.59 2.79 -10.74 | 40.28 1.92 -13.79 | 37.05 2.13 -8.92 | 46.69 2.96 0.00 |
| ASTORIA_GT_5 24106 | 37.46 2.56 0.00 | 29.32 2.09 0.00 | 27.72 1.86 0.00 | 25.11 1.72 -0.38 | 22.72 1.44 0.00 | 24.17 1.41 0.00 | 26.48 1.61 0.00 | 32.70 2.10 0.00 | 32.01 2.47 0.00 | 31.10 2.51 0.00 | 34.12 2.85 -2.42 | 35.92 2.50 -8.98 | 37.16 3.50 0.00 | 43.37 4.29 0.00 | 45.05 4.41 0.00 | 43.08 4.16 0.00 | 52.07 4.96 0.00 | 64.12 6.04 0.00 | 78.46 6.91 0.00 | 65.12 5.32 0.00 | 47.78 2.99 -10.74 | 40.43 2.07 -13.79 | 37.20 2.28 -8.92 | 46.95 3.22 0.00 |
| ASTORIA_GT_7 24107 | 37.46 2.56 0.00 | 29.32 2.09 0.00 | 27.72 1.86 0.00 | 25.11 1.72 -0.38 | 22.72 1.44 0.00 | 24.17 1.41 0.00 | 26.48 1.61 0.00 | 32.70 2.10 0.00 | 32.01 2.47 0.00 | 31.10 2.51 0.00 | 34.12 2.85 -2.42 | 35.92 2.50 -8.98 | 37.16 3.50 0.00 | 43.37 4.29 0.00 | 45.05 4.41 0.00 | 43.08 4.16 0.00 | 52.07 4.96 0.00 | 64.12 6.04 0.00 | 78.46 6.91 0.00 | 65.12 5.32 0.00 | 47.78 2.99 -10.74 | 40.43 2.07 -13.79 | 37.20 2.28 -8.92 | 46.95 3.22 0.00 |
| ASTORIA_GT_8 24108 | 37.47 2.56 0.00 | 29.32 2.09 0.00 | 27.72 1.86 0.00 | 25.11 1.72 -0.38 | 22.73 1.44 0.00 | 24.17 1.41 0.00 | 26.48 1.61 0.00 | 32.70 2.10 0.00 | 32.01 2.48 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.93 2.51 -8.98 | 37.16 3.50 0.00 | 43.38 4.29 0.00 | 45.05 4.41 0.00 | 43.08 4.16 0.00 | 52.08 4.97 0.00 | 64.12 6.04 0.00 | 78.46 6.90 0.00 | 65.12 5.33 0.00 | 47.79 2.99 -10.74 | 40.43 2.07 -13.79 | 37.20 2.28 -8.92 | 46.94 3.22 0.00 |
| ASTORIA___2 24149 | 37.38 2.48 0.00 | 29.26 2.03 0.00 | 27.65 1.80 0.00 | 25.06 1.67 -0.38 | 22.67 1.39 0.00 | 24.12 1.36 0.00 | 26.42 1.55 0.00 | 32.62 2.02 0.00 | 31.92 2.39 0.00 | 31.01 2.43 0.00 | 34.03 2.76 -2.42 | 35.85 2.42 -8.98 | 37.05 3.39 0.00 | 43.24 4.15 0.00 | 44.91 4.27 0.00 | 42.94 4.01 0.00 | 51.92 4.81 0.00 | 63.93 5.84 0.00 | 78.22 6.67 0.00 | 64.92 5.12 0.00 | 47.68 2.88 -10.74 | 40.36 1.99 -13.79 | 37.13 2.21 -8.92 | 46.82 3.10 0.00 |
| ASTORIA___3 23516 | 37.31 2.40 0.00 | 29.19 1.96 0.00 | 27.61 1.75 0.00 | 25.02 1.63 -0.38 | 22.71 1.42 0.00 | 24.15 1.39 0.00 | 26.43 1.57 0.00 | 32.60 2.00 0.00 | 31.86 2.33 0.00 | 30.96 2.38 0.00 | 34.06 2.78 -2.42 | 35.89 2.47 -8.98 | 36.91 3.24 0.00 | 43.05 3.96 0.00 | 40.10 4.08 4.62 | 42.86 3.93 0.00 | 51.90 4.78 0.00 | 63.90 5.82 0.00 | 78.12 6.57 0.00 | 64.81 5.02 0.00 | 47.59 2.79 -10.74 | 40.28 1.92 -13.79 | 37.05 2.13 -8.92 | 46.68 2.96 0.00 |
| ASTORIA___4 23517 | 37.31 2.40 0.00 | 29.19 1.96 0.00 | 27.61 1.75 0.00 | 25.02 1.62 -0.38 | 22.71 1.42 0.00 | 24.15 1.39 0.00 | 26.43 1.57 0.00 | 32.61 2.01 0.00 | 31.87 2.33 0.00 | 30.96 2.38 0.00 | 34.06 2.79 -2.42 | 35.89 2.47 -8.98 | 36.90 3.24 0.00 | 43.06 3.97 0.00 | 40.10 4.08 4.62 | 42.86 3.93 0.00 | 51.90 4.79 0.00 | 63.89 5.81 0.00 | 78.11 6.56 0.00 | 64.81 5.02 0.00 | 47.59 2.79 -10.74 | 40.28 1.92 -13.79 | 37.05 2.13 -8.92 | 46.68 2.96 0.00 |
| ASTORIA___5 23518 | 37.31 2.40 0.00 | 29.19 1.96 0.00 | 27.61 1.75 0.00 | 25.02 1.63 -0.38 | 22.71 1.42 0.00 | 24.15 1.39 0.00 | 26.43 1.57 0.00 | 32.60 2.00 0.00 | 31.86 2.33 0.00 | 30.96 2.38 0.00 | 34.06 2.78 -2.42 | 35.89 2.47 -8.98 | 36.91 3.24 0.00 | 43.05 3.96 0.00 | 40.10 4.08 4.62 | 42.86 3.93 0.00 | 51.90 4.78 0.00 | 63.90 5.82 0.00 | 78.12 6.57 0.00 | 64.81 5.02 0.00 | 47.59 2.79 -10.74 | 40.28 1.92 -13.79 | 37.05 2.13 -8.92 | 46.68 2.96 0.00 |
| AST_ENERGY_2_CC3 323677 | 37.34 2.43 0.00 | 29.25 2.02 0.00 | 27.66 1.80 0.00 | 25.04 1.65 -0.38 | 22.74 1.45 0.00 | 24.16 1.40 0.00 | 26.45 1.58 0.00 | 32.65 2.05 0.00 | 31.92 2.38 0.00 | 31.07 2.48 0.00 | 34.10 2.82 -2.42 | 35.92 2.49 -8.98 | 37.01 3.35 0.00 | 43.17 4.07 0.00 | 44.87 4.23 0.00 | 43.01 4.08 0.00 | 52.09 4.98 0.00 | 64.16 6.07 0.00 | 78.52 6.96 0.00 | 65.07 5.27 0.00 | 47.73 2.93 -10.74 | 40.38 2.01 -13.79 | 37.14 2.21 -8.92 | 46.79 3.06 0.00 |
| AST_ENERGY_2_CC4 323678 | 37.34 2.43 0.00 | 29.25 2.02 0.00 | 27.66 1.80 0.00 | 25.04 1.65 -0.38 | 22.74 1.45 0.00 | 24.16 1.40 0.00 | 26.45 1.58 0.00 | 32.65 2.05 0.00 | 31.92 2.38 0.00 | 31.07 2.48 0.00 | 34.10 2.82 -2.42 | 35.92 2.49 -8.98 | 37.01 3.35 0.00 | 43.17 4.07 0.00 | 44.87 4.23 0.00 | 43.01 4.08 0.00 | 52.09 4.98 0.00 | 64.16 6.07 0.00 | 78.52 6.96 0.00 | 65.07 5.27 0.00 | 47.73 2.93 -10.74 | 40.38 2.01 -13.79 | 37.14 2.21 -8.92 | 46.79 3.06 0.00 |
| ATHENS_STG_1 23668 | 36.39 1.48 0.00 | 28.45 1.21 0.00 | 27.01 1.15 0.00 | 24.53 1.08 -0.43 | 22.24 0.95 0.00 | 23.74 0.98 0.00 | 25.87 1.00 0.00 | 31.77 1.18 0.00 | 30.90 1.36 0.00 | 29.97 1.39 0.00 | 33.21 1.63 -2.74 | 28.25 1.40 -2.41 | 35.57 1.91 0.00 | 41.34 2.25 0.00 | 42.92 2.28 0.00 | 41.15 2.22 0.00 | 49.74 2.63 0.00 | 61.28 3.19 0.00 | 75.26 3.71 0.00 | 62.69 2.89 0.00 | 47.19 1.72 -11.41 | 40.46 1.23 -14.66 | 36.82 1.34 -9.48 | 45.49 1.76 0.00 |
| ATHENS_STG_2 23670 | 36.39 1.48 0.00 | 28.45 1.21 0.00 | 27.01 1.15 0.00 | 24.53 1.08 -0.43 | 22.24 0.95 0.00 | 23.74 0.98 0.00 | 25.87 1.00 0.00 | 31.77 1.18 0.00 | 30.90 1.36 0.00 | 29.97 1.39 0.00 | 33.21 1.63 -2.74 | 28.25 1.40 -2.41 | 35.57 1.91 0.00 | 41.34 2.25 0.00 | 42.92 2.28 0.00 | 41.15 2.22 0.00 | 49.74 2.63 0.00 | 61.28 3.19 0.00 | 75.26 3.71 0.00 | 62.69 2.89 0.00 | 47.19 1.72 -11.41 | 40.46 1.23 -14.66 | 36.82 1.34 -9.48 | 45.49 1.76 0.00 |

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|--------------------------------|-------------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|------------------------|
| ATHENS_STG_3 23677 | 36.39 1.48 0.00 | 28.45 1.21 0.00 | 27.01 1.15 0.00 | 24.53 1.08 -0.43 | 22.24 0.95 0.00 | 23.74 0.98 0.00 | 25.87 1.00 0.00 | 31.77 1.18 0.00 | 30.90 1.36 0.00 | 29.97 1.39 0.00 | 33.21 1.63 -2.74 | 28.25 1.40 -2.41 | 35.57 1.91 0.00 | 41.34 2.25 0.00 | 42.92 2.28 0.00 | 41.15 2.22 0.00 | 49.74 2.63 0.00 | 61.28 3.19 0.00 | 75.26 3.71 0.00 | 62.69 2.89 0.00 | 47.19 1.72 -11.41 | 40.46 1.23 -14.66 | 36.82 1.34 -9.48 | 45.49 1.76 0.00 |
| AUBURN___LFGE 323710 | 37.14 0.88 -1.35 | 27.91 0.57 -0.10 | 26.34 0.48 0.00 | 23.48 0.42 -0.05 | 21.72 0.43 0.00 | 23.24 0.49 0.00 | 25.57 0.61 -0.09 | 31.38 0.78 0.00 | 30.73 0.84 -0.36 | 29.92 0.92 -0.42 | 30.48 0.93 -0.70 | 25.23 0.78 0.00 | 34.80 1.13 0.00 | 40.51 1.42 0.00 | 42.28 1.65 0.00 | 40.47 1.53 0.00 | 49.46 1.99 -0.35 | 62.55 2.50 -1.97 | 74.77 3.22 0.00 | 62.46 2.66 0.00 | 36.73 1.40 -1.27 | 27.16 0.95 -1.64 | 27.89 0.83 -1.06 | 45.08 1.35 0.00 |
| BABYLON_RES_REC 323704 | 56.23 3.44 -17.88 | 29.93 2.69 0.00 | 28.28 2.42 0.00 | 25.49 2.10 -0.38 | 23.19 1.90 0.00 | 24.71 1.95 0.00 | 26.94 2.07 0.00 | 33.28 2.68 0.00 | 32.62 3.08 0.00 | 36.32 3.10 -4.64 | 70.11 3.40 -37.87 | 111.97 2.94 -84.59 | 128.96 3.95 -91.35 | 135.29 4.67 -91.54 | 134.99 4.68 -89.66 | 143.05 4.53 -99.59 | 142.55 5.53 -89.91 | 139.02 6.81 -74.12 | 183.09 7.86 -103.67 | 172.13 6.09 -106.24 | 125.36 3.59 -87.71 | 49.03 2.56 -21.89 | 43.83 3.09 -14.74 | 50.84 4.39 -2.73 |
| BABYLON__69_KV_BK2 356345 | 56.70 3.90 -17.88 | 30.27 3.03 0.00 | 28.57 2.72 0.00 | 25.75 2.35 -0.38 | 23.43 2.14 0.00 | 24.96 2.21 0.00 | 27.23 2.37 0.00 | 33.66 3.06 0.00 | 33.01 3.47 0.00 | 36.89 3.68 -4.64 | 70.75 4.03 -37.87 | 112.99 3.64 -84.91 | 131.87 4.94 -93.27 | 145.69 5.73 -100.86 | 138.24 5.70 -91.90 | 151.07 5.51 -106.63 | 148.83 6.71 -95.00 | 150.05 8.28 -83.68 | 192.95 9.64 -111.76 | 174.41 7.54 -107.08 | 129.03 4.33 -90.64 | 60.18 3.08 -32.52 | 48.71 3.52 -19.18 | 56.00 5.10 -7.17 |
| BARON_WINDS___WT_PWR 323822 | 35.96 0.74 -0.30 | 27.65 0.39 -0.02 | 26.13 0.27 0.00 | 23.40 0.30 -0.08 | 21.68 0.39 0.00 | 23.21 0.45 0.00 | 25.53 0.65 -0.02 | 31.49 0.89 0.00 | 30.64 1.02 -0.08 | 29.77 1.10 -0.09 | 30.36 0.92 -0.59 | 25.45 1.01 0.00 | 35.20 1.53 0.00 | 40.84 1.75 0.00 | 42.51 1.87 0.00 | 40.25 1.32 0.00 | 48.96 1.84 0.00 | 60.09 2.00 0.00 | 74.40 2.85 0.00 | 62.34 2.54 0.00 | 37.77 1.37 -2.35 | 28.38 0.79 -3.02 | 28.75 0.80 -1.95 | 45.12 1.39 0.00 |
| BARRETT_IC_1 23704 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_10 23701 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_11 23702 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_12 23703 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_2 23705 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_3 23706 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_4 23707 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_5 23708 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_6 23709 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_7 23710 | 82.25 3.05 -44.30 | 29.65 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.90 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.57 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.72 3.00 -37.87 | 111.43 2.58 -84.41 | 127.40 3.42 -90.31 | 129.80 4.19 -86.53 | 133.76 4.39 -88.74 | 139.34 4.23 -96.18 | 140.94 5.16 -88.66 | 135.89 6.39 -71.42 | 181.63 7.67 -102.41 | 171.87 5.98 -106.10 | 123.71 3.30 -86.34 | 42.88 2.15 -16.17 | 40.72 2.37 -12.34 | 46.95 3.22 0.00 |

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| BARRETT_IC_8 23711 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT_IC_9 23700 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT___1 23545 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BARRETT___2 23546 | 82.25 3.04 -44.30 | 29.66 2.42 0.00 | 28.02 2.16 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.46 1.70 0.00 | 26.56 1.70 0.00 | 32.72 2.12 0.00 | 32.05 2.52 0.00 | 35.82 2.60 -4.64 | 69.71 3.00 -37.87 | 111.42 2.58 -84.40 | 127.39 3.42 -90.30 | 129.80 4.19 -86.52 | 133.75 4.38 -88.73 | 139.33 4.23 -96.18 | 140.93 5.16 -88.65 | 135.89 6.38 -71.42 | 181.64 7.66 -102.42 | 171.88 5.98 -106.11 | 123.70 3.30 -86.34 | 42.88 2.14 -16.16 | 40.71 2.37 -12.34 | 46.94 3.22 0.01 |
| BATAVIA___115KV_TB1 55881 | 36.66 1.75 0.00 | 28.44 1.21 0.00 | 26.89 1.03 0.00 | 23.84 0.77 -0.05 | 22.04 0.75 0.00 | 23.57 0.81 0.00 | 25.99 1.13 0.00 | 31.99 1.39 0.00 | 30.97 1.43 0.00 | 30.00 1.42 0.00 | 30.09 0.93 -0.32 | 25.32 0.87 0.00 | 34.97 1.31 0.00 | 40.47 1.39 0.00 | 42.19 1.55 0.00 | 40.24 1.31 0.00 | 48.84 1.72 0.00 | 59.89 1.80 0.00 | 73.56 2.00 0.00 | 62.23 2.43 0.00 | 36.85 1.36 -1.43 | 27.33 0.92 -1.84 | 28.33 1.14 -1.19 | 46.13 2.40 0.00 |
| BAYONEEC___CTG1 323682 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG10 323750 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG2 323683 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG3 323684 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG4 323685 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG5 323686 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG6 323687 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG7 323688 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG8 323689 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |
| BAYONEEC___CTG9 323749 | 36.84 2.46 0.52 | 29.28 2.04 0.00 | 27.68 1.82 0.00 | 25.05 1.65 -0.38 | 22.74 1.45 0.00 | 24.19 1.43 0.00 | 26.49 1.62 0.00 | 32.68 2.08 0.00 | 31.96 2.42 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.95 2.52 -8.98 | 37.04 3.37 0.00 | 41.25 4.09 1.93 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.12 5.00 0.00 | 63.29 6.11 0.90 | 77.87 6.99 0.67 | 65.08 5.28 0.00 | 47.62 2.94 -10.62 | 40.15 2.02 -13.56 | 35.32 2.21 -7.11 | 38.06 3.07 8.73 |

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|-----------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|------------------------|
| BEACON___LESR 323632 | 36.22 1.31 0.00 | 28.37 1.14 0.00 | 26.94 1.08 0.00 | 24.51 1.01 -0.49 | 22.15 0.86 0.00 | 23.77 1.01 0.00 | 25.91 1.04 0.00 | 31.72 1.12 0.00 | 30.71 1.17 0.00 | 29.73 1.15 0.00 | 33.26 1.31 -3.11 | 27.63 1.12 -2.06 | 35.26 1.60 0.00 | 41.03 1.94 0.00 | 42.61 1.97 0.00 | 40.88 1.95 0.00 | 49.34 2.22 0.00 | 60.97 2.88 0.00 | 75.04 3.48 0.00 | 62.49 2.70 0.00 | 59.03 1.61 -23.36 | 55.64 1.07 -30.00 | 46.59 1.19 -19.39 | 45.27 1.54 0.00 |
| BEAVER RIVER___HYD 24048 | 35.95 0.31 -0.73 | 27.21 -0.09 -0.06 | 25.72 -0.14 0.00 | 22.79 -0.24 -0.01 | 21.29 0.00 0.00 | 22.95 0.20 0.00 | 25.27 0.35 -0.05 | 31.12 0.53 0.00 | 30.08 0.35 -0.19 | 28.96 0.16 -0.23 | 29.12 -0.04 -0.31 | 23.00 -0.31 1.14 | 33.14 -0.53 0.00 | 38.90 -0.19 0.00 | 40.26 -0.37 0.00 | 38.22 -0.71 0.00 | 53.09 -0.68 -6.66 | 88.95 -0.62 -31.48 | 65.45 -0.04 6.06 | 60.14 0.35 0.00 | 34.15 0.10 0.00 | 24.65 0.08 0.00 | 26.37 0.36 0.00 | 44.31 0.58 0.00 |
| BEEBEE_GT_13 23619 | 35.99 1.08 0.00 | 27.96 0.73 0.00 | 26.43 0.57 0.00 | 23.46 0.40 -0.04 | 21.69 0.40 0.00 | 23.19 0.43 0.00 | 25.50 0.63 0.00 | 31.41 0.82 0.00 | 30.44 0.91 0.00 | 29.63 1.05 0.00 | 30.06 0.93 -0.28 | 25.36 0.92 0.00 | 35.02 1.36 0.00 | 40.64 1.55 0.00 | 42.34 1.71 0.00 | 40.45 1.52 0.00 | 49.08 1.96 0.00 | 60.20 2.11 0.00 | 73.92 2.37 0.00 | 62.12 2.33 0.00 | 36.49 1.24 -1.19 | 26.92 0.82 -1.53 | 27.74 0.74 -0.99 | 45.23 1.50 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 37.92 3.00 -0.01 | 29.67 2.42 -0.01 | 28.03 2.17 0.00 | 25.36 1.96 -0.38 | 23.01 1.72 0.00 | 24.48 1.73 0.00 | 26.81 1.94 0.00 | 33.08 2.48 0.00 | 32.37 2.83 0.00 | 31.47 2.89 0.00 | 34.53 3.26 -2.42 | 36.29 2.87 -8.98 | 37.48 3.82 0.00 | 43.75 4.66 0.00 | 51.55 4.81 -6.10 | 43.59 4.65 -0.01 | 52.79 5.67 -0.01 | 64.94 6.85 0.00 | 79.39 7.83 0.00 | 65.84 6.04 0.00 | 48.16 3.36 -10.74 | 40.71 2.34 -13.80 | 37.47 2.55 -8.92 | 47.43 3.70 0.00 |
| BETHLEHEM___GRP 23843 | 35.76 0.85 0.00 | 28.02 0.79 0.00 | 26.64 0.78 0.00 | 24.24 0.73 -0.49 | 21.92 0.62 0.00 | 23.44 0.69 0.00 | 25.52 0.66 0.00 | 31.22 0.62 0.00 | 30.26 0.73 0.00 | 29.30 0.71 0.00 | 32.79 0.84 -3.11 | 27.20 0.70 -2.05 | 34.65 0.98 0.00 | 40.26 1.17 0.00 | 41.78 1.15 0.00 | 40.10 1.17 0.00 | 48.34 1.23 0.00 | 59.60 1.51 0.00 | 73.35 1.79 0.00 | 61.19 1.40 0.00 | 58.13 0.92 -23.15 | 54.96 0.66 -29.73 | 45.95 0.73 -19.22 | 44.44 0.71 0.00 |
| BETHLEHEM___GS1 323560 | 35.76 0.85 0.00 | 28.02 0.79 0.00 | 26.64 0.78 0.00 | 24.24 0.73 -0.49 | 21.92 0.62 0.00 | 23.44 0.69 0.00 | 25.52 0.66 0.00 | 31.22 0.62 0.00 | 30.26 0.73 0.00 | 29.30 0.71 0.00 | 32.79 0.83 -3.11 | 27.20 0.70 -2.05 | 34.64 0.98 0.00 | 40.26 1.17 0.00 | 41.79 1.15 0.00 | 40.10 1.17 0.00 | 48.34 1.22 0.00 | 59.60 1.52 0.00 | 73.35 1.79 0.00 | 61.19 1.40 0.00 | 58.13 0.92 -23.15 | 54.96 0.66 -29.73 | 45.95 0.73 -19.22 | 44.44 0.71 0.00 |
| BETHLEHEM___GS2 323561 | 35.76 0.85 0.00 | 28.02 0.79 0.00 | 26.64 0.78 0.00 | 24.24 0.73 -0.49 | 21.92 0.62 0.00 | 23.44 0.69 0.00 | 25.52 0.66 0.00 | 31.22 0.62 0.00 | 30.26 0.73 0.00 | 29.30 0.71 0.00 | 32.79 0.83 -3.11 | 27.20 0.70 -2.05 | 34.64 0.98 0.00 | 40.26 1.17 0.00 | 41.79 1.15 0.00 | 40.10 1.17 0.00 | 48.34 1.22 0.00 | 59.60 1.52 0.00 | 73.35 1.79 0.00 | 61.19 1.40 0.00 | 58.13 0.92 -23.15 | 54.96 0.66 -29.73 | 45.95 0.73 -19.22 | 44.44 0.71 0.00 |
| BETHLEHEM___GS3 323562 | 35.76 0.85 0.00 | 28.02 0.79 0.00 | 26.64 0.78 0.00 | 24.24 0.73 -0.49 | 21.92 0.62 0.00 | 23.44 0.69 0.00 | 25.52 0.66 0.00 | 31.22 0.62 0.00 | 30.26 0.73 0.00 | 29.30 0.71 0.00 | 32.79 0.83 -3.11 | 27.20 0.70 -2.05 | 34.64 0.98 0.00 | 40.26 1.17 0.00 | 41.79 1.15 0.00 | 40.10 1.17 0.00 | 48.34 1.22 0.00 | 59.60 1.52 0.00 | 73.35 1.79 0.00 | 61.19 1.40 0.00 | 58.13 0.92 -23.15 | 54.96 0.66 -29.73 | 45.95 0.73 -19.22 | 44.44 0.71 0.00 |
| BETHLEHEM___STEEL 23779 | 36.15 1.24 0.00 | 28.03 0.80 0.00 | 26.49 0.63 0.00 | 23.51 0.44 -0.06 | 21.76 0.47 0.00 | 23.24 0.49 0.00 | 25.62 0.75 0.00 | 31.53 0.93 0.00 | 30.57 1.04 0.00 | 29.81 1.23 0.00 | 30.19 0.96 -0.38 | 25.48 1.04 0.00 | 35.22 1.56 0.00 | 40.73 1.64 0.00 | 42.45 1.82 0.00 | 40.36 1.43 0.00 | 49.05 1.94 0.00 | 59.96 1.88 0.00 | 73.54 1.99 0.00 | 61.99 2.19 0.00 | 36.93 1.15 -1.72 | 27.51 0.73 -2.21 | 28.08 0.65 -1.43 | 45.34 1.61 0.00 |
| BETHLHEM_115KV_TB1 79974 | 35.85 0.94 0.00 | 28.09 0.85 0.00 | 26.69 0.84 0.00 | 24.30 0.79 -0.49 | 21.96 0.68 0.00 | 23.49 0.74 0.00 | 25.58 0.71 0.00 | 31.30 0.70 0.00 | 30.34 0.81 0.00 | 29.37 0.79 0.00 | 32.87 0.91 -3.11 | 27.27 0.78 -2.05 | 34.75 1.08 0.00 | 40.38 1.29 0.00 | 41.91 1.27 0.00 | 40.22 1.29 0.00 | 48.50 1.38 0.00 | 59.78 1.69 0.00 | 73.56 2.01 0.00 | 61.37 1.58 0.00 | 57.64 1.01 -22.57 | 54.28 0.73 -28.98 | 45.54 0.80 -18.74 | 44.57 0.85 0.00 |
| BETHPAGE_CC_5 323564 | 56.48 3.05 -18.52 | 29.66 2.42 0.00 | 28.03 2.17 0.00 | 25.31 1.92 -0.38 | 23.02 1.73 0.00 | 24.52 1.76 0.00 | 26.72 1.85 0.00 | 32.99 2.39 0.00 | 32.33 2.79 0.00 | 36.18 2.96 -4.64 | 70.01 3.30 -37.87 | 111.87 2.92 -84.50 | 128.38 3.95 -90.76 | 132.53 4.74 -88.69 | 134.51 4.86 -89.01 | 140.95 4.70 -97.32 | 141.99 5.72 -89.15 | 137.49 7.01 -72.39 | 182.79 8.13 -103.11 | 172.24 6.27 -106.18 | 124.33 3.54 -86.73 | 45.68 2.45 -18.66 | 42.13 2.75 -13.38 | 49.04 3.80 -1.51 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 36.23 1.32 0.00 | 28.08 0.84 0.00 | 26.54 0.68 0.00 | 23.56 0.48 -0.06 | 21.80 0.51 0.00 | 23.29 0.53 0.00 | 25.68 0.82 0.00 | 31.61 1.01 0.00 | 30.67 1.13 0.00 | 29.91 1.33 0.00 | 30.31 1.07 -0.38 | 25.60 1.16 0.00 | 35.39 1.72 0.00 | 40.94 1.85 0.00 | 42.67 2.03 0.00 | 40.56 1.63 0.00 | 49.32 2.21 0.00 | 60.29 2.21 0.00 | 73.93 2.37 0.00 | 62.28 2.49 0.00 | 37.11 1.31 -1.75 | 27.65 0.83 -2.24 | 28.21 0.75 -1.45 | 45.48 1.75 0.00 |
| BINGHAMTON___COGEN 23790 | 36.26 0.77 -0.57 | 27.74 0.47 -0.04 | 26.24 0.39 0.00 | 23.47 0.34 -0.11 | 21.64 0.35 0.00 | 23.16 0.40 0.00 | 25.44 0.53 -0.04 | 31.32 0.72 0.00 | 30.52 0.83 -0.15 | 29.68 0.92 -0.18 | 30.65 0.91 -0.89 | 25.32 0.88 0.00 | 34.98 1.31 0.00 | 40.71 1.62 0.00 | 42.36 1.72 0.00 | 40.43 1.50 0.00 | 49.06 1.94 0.00 | 60.35 2.26 0.00 | 74.36 2.80 0.00 | 62.02 2.23 0.00 | 38.90 1.19 -3.65 | 29.99 0.73 -4.69 | 29.78 0.75 -3.03 | 44.84 1.11 0.00 |
| BIXINCNT_115KV_LOAD 355685 | 36.16 1.25 0.00 | 27.91 0.67 0.00 | 26.46 0.60 0.00 | 23.54 0.47 -0.06 | 21.87 0.58 0.00 | 23.36 0.60 0.00 | 25.78 0.91 0.00 | 31.81 1.21 0.00 | 30.89 1.35 0.00 | 30.03 1.45 0.00 | 30.51 1.25 -0.40 | 25.79 1.34 0.00 | 35.65 1.98 0.00 | 41.31 2.22 0.00 | 42.86 2.22 0.00 | 40.61 1.68 0.00 | 49.50 2.39 0.00 | 60.67 2.59 0.00 | 74.46 2.91 0.00 | 62.62 2.83 0.00 | 37.34 1.42 -1.87 | 27.81 0.85 -2.39 | 28.37 0.82 -1.55 | 45.44 1.72 0.00 |
| BLACK RIVER___HYD 24047 | 36.93 0.79 -1.24 | 27.54 0.21 -0.09 | 25.99 0.14 0.00 | 23.05 0.02 -0.02 | 21.58 0.29 0.00 | 23.27 0.51 0.00 | 25.71 0.76 -0.08 | 31.65 1.05 0.00 | 30.72 0.86 -0.33 | 29.63 0.67 -0.39 | 29.86 0.52 -0.50 | 23.78 0.12 0.79 | 33.80 0.13 0.00 | 39.82 0.73 0.00 | 41.14 0.51 0.00 | 38.90 -0.03 0.00 | 51.99 0.23 -4.65 | 80.62 0.52 -22.01 | 68.83 1.47 4.19 | 61.56 1.76 0.00 | 34.88 0.82 0.00 | 25.10 0.53 0.00 | 26.85 0.84 0.00 | 45.04 1.31 0.00 |

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| BLACKRVR_115KV_TB2 79977 | 36.94 0.79 -1.24 | 27.54 0.21 -0.09 | 25.99 0.13 0.00 | 23.05 0.02 -0.02 | 21.58 0.29 0.00 | 23.27 0.51 0.00 | 25.71 0.76 -0.08 | 31.65 1.05 0.00 | 30.72 0.86 -0.33 | 29.63 0.67 -0.39 | 29.86 0.52 -0.50 | 23.78 0.13 0.79 | 33.80 0.13 0.00 | 39.82 0.73 0.00 | 41.14 0.50 0.00 | 38.90 -0.04 0.00 | 51.99 0.23 -4.65 | 80.62 0.52 -22.01 | 68.83 1.47 4.19 | 61.56 1.77 0.00 | 34.87 0.82 0.00 | 25.10 0.53 0.00 | 26.84 0.84 0.00 | 45.04 1.31 0.00 |
| BLISS_WT_PWR 323608 | 36.14 1.23 0.00 | 27.86 0.63 0.00 | 26.44 0.58 0.00 | 23.53 0.45 -0.06 | 21.88 0.59 0.00 | 23.36 0.60 0.00 | 25.78 0.92 0.00 | 31.82 1.23 0.00 | 30.94 1.39 0.00 | 30.05 1.47 0.00 | 30.53 1.28 -0.40 | 25.81 1.37 0.00 | 35.67 2.00 0.00 | 41.31 2.23 0.00 | 42.88 2.25 0.00 | 40.62 1.69 0.00 | 49.53 2.41 0.00 | 60.74 2.66 0.00 | 74.50 2.95 0.00 | 62.68 2.88 0.00 | 37.36 1.44 -1.87 | 27.82 0.86 -2.39 | 28.38 0.83 -1.55 | 45.41 1.68 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 36.25 1.34 0.00 | 28.39 1.15 0.00 | 27.00 1.14 0.00 | 24.56 1.06 -0.48 | 22.22 0.93 0.00 | 23.78 1.03 0.00 | 25.89 1.03 0.00 | 31.65 1.05 0.00 | 30.59 1.05 0.00 | 29.51 0.93 0.00 | 32.63 0.73 -3.05 | 26.85 0.51 -1.90 | -52.22 0.67 86.56 | 16.88 0.76 22.96 | 41.35 0.72 0.00 | 39.69 0.76 0.00 | 47.87 0.76 0.00 | 59.01 0.92 0.00 | 72.70 1.14 0.00 | 60.72 0.93 0.00 | 54.61 0.67 -19.88 | 50.59 0.49 -25.53 | 43.06 0.55 -16.50 | 44.18 0.45 0.00 |
| BOC_GAS_DRP 24189 | 36.04 1.13 0.00 | 28.20 0.96 0.00 | 26.80 0.95 0.00 | 24.39 0.89 -0.48 | 22.07 0.78 0.00 | 23.58 0.83 0.00 | 25.68 0.82 0.00 | 31.47 0.87 0.00 | 30.50 0.96 0.00 | 29.54 0.96 0.00 | 33.05 1.10 -3.09 | 27.39 0.94 -2.01 | 41.19 1.28 -6.25 | 42.25 1.50 -1.66 | 42.14 1.50 0.00 | 40.41 1.48 0.00 | 48.79 1.67 0.00 | 60.12 2.03 0.00 | 73.93 2.37 0.00 | 61.68 1.88 0.00 | 54.60 1.18 -19.37 | 50.29 0.84 -24.87 | 43.01 0.93 -16.08 | 44.85 1.12 0.00 |
| BOONVILLE_115KV_TB1 79983 | 36.09 0.83 -0.35 | 27.72 0.45 -0.03 | 26.22 0.36 0.00 | 23.29 0.26 -0.01 | 21.64 0.35 0.00 | 23.25 0.50 0.00 | 25.53 0.64 -0.02 | 31.43 0.84 0.00 | 30.39 0.76 -0.09 | 29.34 0.65 -0.11 | 29.62 0.58 -0.18 | 24.60 0.47 0.31 | 34.32 0.66 0.00 | 40.07 0.98 0.00 | 41.52 0.88 0.00 | 39.64 0.71 0.00 | 50.64 1.01 -2.52 | 72.00 1.38 -12.54 | 71.96 2.04 1.63 | 61.69 1.90 0.00 | 35.10 1.04 0.00 | 25.25 0.68 0.00 | 26.81 0.80 0.00 | 44.92 1.19 0.00 |
| BORALEX_4TH_BRANCH 23824 | 36.85 1.94 0.00 | 29.02 1.79 0.00 | 27.65 1.79 0.00 | 25.13 1.63 -0.48 | 22.73 1.44 0.00 | 24.37 1.61 0.00 | 26.46 1.59 0.00 | 32.20 1.61 0.00 | 31.23 1.69 0.00 | 30.19 1.61 0.00 | 33.84 1.90 -3.09 | 28.29 1.57 -2.28 | 35.87 2.20 0.00 | 41.70 2.62 0.00 | 43.16 2.52 0.00 | 41.39 2.46 0.00 | 49.53 2.42 0.00 | 61.18 3.10 0.00 | 75.56 4.00 0.00 | 63.17 3.37 0.00 | 63.92 2.26 -27.60 | 61.71 1.70 -35.44 | 50.75 1.84 -22.92 | 46.27 2.54 0.00 |
| BOWLINE___1 23526 | 36.94 2.03 0.00 | 28.88 1.65 0.00 | 27.32 1.47 0.00 | 24.71 1.33 -0.36 | 22.45 1.17 0.00 | 23.91 1.16 0.00 | 26.15 1.28 0.00 | 32.25 1.66 0.00 | 31.49 1.96 0.00 | 30.66 2.08 0.00 | 33.61 2.43 -2.33 | 13.74 2.13 12.83 | 36.57 2.90 0.00 | 42.69 3.60 0.00 | 44.40 3.76 0.00 | 42.57 3.64 0.00 | 51.60 4.48 0.00 | 63.59 5.51 0.00 | 77.93 6.38 0.00 | 64.62 4.83 0.00 | 47.04 2.66 -10.32 | 39.63 1.80 -13.25 | 36.53 1.96 -8.57 | 46.44 2.71 0.00 |
| BOWLINE___2 23595 | 37.01 2.10 0.00 | 28.94 1.70 0.00 | 27.38 1.52 0.00 | 24.75 1.37 -0.36 | 22.50 1.21 0.00 | 23.95 1.20 0.00 | 26.19 1.33 0.00 | 32.32 1.72 0.00 | 31.55 2.01 0.00 | 30.71 2.13 0.00 | 33.67 2.49 -2.33 | 13.78 2.18 12.84 | 36.63 2.97 0.00 | 42.77 3.68 0.00 | 44.49 3.85 0.00 | 42.65 3.72 0.00 | 51.68 4.56 0.00 | 63.69 5.60 0.00 | 78.05 6.49 0.00 | 64.72 4.93 0.00 | 47.10 2.73 -10.32 | 39.67 1.85 -13.25 | 36.58 2.01 -8.57 | 46.51 2.78 0.00 |
| BRADY___115KV_TB2 356060 | 34.24 -0.67 0.00 | 26.71 -0.53 0.00 | 25.41 -0.45 0.00 | 22.56 -0.45 0.00 | 20.89 -0.40 0.00 | 22.36 -0.39 0.00 | 24.48 -0.38 0.00 | 30.16 -0.43 0.00 | 28.81 -0.73 0.00 | 27.72 -0.86 0.00 | 27.69 -1.16 3.69 | 19.59 -1.16 0.00 | 31.95 -1.72 0.00 | 37.15 -1.94 0.00 | 38.42 -2.22 0.00 | 36.72 -2.20 0.00 | 40.65 -2.72 3.75 | 14.53 -3.26 40.30 | 48.46 -3.45 19.64 | 57.15 -2.64 0.00 | 32.61 -1.45 0.00 | 23.91 -0.66 0.00 | 25.35 -0.66 0.00 | 43.10 -0.63 0.00 |
| BRANSCOMB___SOLAR 323811 | 37.14 2.23 0.00 | 28.99 1.76 0.00 | 27.57 1.71 0.00 | 25.06 1.54 -0.50 | 22.66 1.37 0.00 | 24.27 1.52 0.00 | 26.50 1.63 0.00 | 32.43 1.83 0.00 | 31.41 1.88 0.00 | 30.38 1.80 0.00 | 34.04 1.98 -3.21 | 28.20 1.73 -2.02 | 36.10 2.43 0.00 | 41.91 2.82 0.00 | 43.47 2.83 0.00 | 41.73 2.80 0.00 | 50.32 3.21 0.00 | 62.22 4.14 0.00 | 77.09 5.54 0.00 | 64.38 4.59 0.00 | 70.23 2.82 -33.36 | 69.45 2.05 -42.83 | 55.80 2.10 -27.69 | 46.73 3.00 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 55.34 3.59 -16.85 | 30.04 2.81 0.00 | 28.38 2.52 0.00 | 25.57 2.18 -0.38 | 23.28 1.99 0.00 | 24.80 2.05 0.00 | 27.04 2.18 0.00 | 33.43 2.83 0.00 | 32.75 3.21 0.00 | 36.67 3.46 -4.64 | 70.51 3.80 -37.87 | 113.39 3.39 -85.55 | 131.76 4.46 -93.64 | 146.79 5.11 -102.60 | 137.36 4.99 -91.73 | 150.91 4.81 -107.16 | 145.62 5.83 -92.67 | 145.37 7.18 -80.10 | 186.32 8.32 -106.45 | 172.76 6.42 -106.54 | 128.52 3.73 -90.74 | 61.81 2.72 -34.52 | 49.26 3.24 -20.02 | 57.13 4.69 -8.71 |
| BRISTLHL_115KV_TB1 79998 | 37.25 -0.37 -2.72 | 27.10 -0.35 -0.21 | 25.48 -0.37 0.00 | 22.70 -0.34 -0.03 | 21.00 -0.29 0.00 | 22.46 -0.29 0.00 | 24.77 -0.28 -0.18 | 30.28 -0.32 0.00 | 29.99 -0.27 -0.71 | 29.24 -0.19 -0.84 | 29.68 -0.18 -1.02 | 24.36 -0.08 0.00 | 33.59 -0.08 0.00 | 39.01 -0.08 0.00 | 40.52 -0.11 0.00 | 38.82 -0.11 0.00 | 47.64 -0.06 -0.59 | 61.32 -0.07 -3.31 | 71.49 -0.06 0.00 | 59.80 0.00 0.00 | 33.96 -0.10 0.00 | 24.44 -0.13 0.00 | 25.81 -0.19 0.00 | 43.36 -0.37 0.00 |
| BROOKHAVEN___DRP 24191 | 54.85 3.29 -16.65 | 29.80 2.57 0.00 | 28.18 2.32 0.00 | 25.33 1.93 -0.38 | 23.05 1.76 0.00 | 24.55 1.80 0.00 | 26.77 1.90 0.00 | 33.12 2.52 0.00 | 32.44 2.91 0.00 | 36.43 3.21 -4.64 | 70.26 3.54 -37.87 | 112.81 3.20 -85.17 | 142.55 4.37 -104.51 | 199.57 5.19 -155.29 | 150.07 5.23 -104.20 | 190.75 5.06 -146.76 | 171.99 6.12 -118.76 | 196.03 7.57 -130.37 | 228.55 8.71 -148.29 | 177.64 6.79 -111.05 | 145.21 3.91 -107.25 | 121.90 2.76 -94.57 | 74.28 3.13 -45.14 | 82.18 4.51 -33.94 |
| BROOKLYN_NAVY_YARD 23515 | 37.37 2.46 0.00 | 29.26 2.03 0.00 | 27.66 1.81 0.00 | 25.04 1.65 -0.38 | 22.75 1.46 0.00 | 24.17 1.42 0.00 | 26.47 1.61 0.00 | 32.67 2.08 0.00 | 31.95 2.41 0.00 | 31.09 2.51 0.00 | 34.11 2.83 -2.42 | 35.93 2.51 -8.98 | 37.03 3.37 0.00 | 43.19 4.10 0.00 | 44.91 4.27 0.00 | 43.05 4.12 0.00 | 52.16 5.05 0.00 | 64.26 6.17 0.00 | 78.63 7.07 0.00 | 65.15 5.35 0.00 | 47.78 2.97 -10.74 | 40.40 2.04 -13.79 | 37.18 2.26 -8.92 | 46.85 3.13 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.21 -0.01 | 52.25 5.12 -0.01 | 64.30 6.21 0.00 | 78.57 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|
| BROOKVLE_69_KV_TB1 55790 | 58.50 | 29.70 | 28.07 | 25.43 | 23.11 | 24.60 | 26.81 | 33.08 | 32.49 | 36.29 | 70.13 | 111.91 | 128.14 | 130.66 | 134.60 | 140.15 | 141.91 | 136.98 | 182.67 | 172.61 | 124.16 | 43.38 | 41.16 | 47.57 |
| | 3.14 | 2.47 | 2.21 | 2.03 | 1.82 | 1.84 | 1.94 | 2.48 | 2.96 | 3.07 | 3.41 | 3.06 | 4.16 | 5.05 | 5.22 | 5.03 | 6.14 | 7.47 | 8.70 | 6.71 | 3.76 | 2.64 | 2.82 | 3.84 |
| | -20.45 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.64 | -37.87 | -84.41 | -90.31 | -86.53 | -88.74 | -96.18 | -88.66 | -71.42 | -102.41 | -106.10 | -86.34 | -16.17 | -12.34 | 0.00 |
| BROOME_2_LFGE 323671 | 36.26 | 27.74 | 26.24 | 23.47 | 21.64 | 23.16 | 25.44 | 31.32 | 30.52 | 29.68 | 30.64 | 25.32 | 34.97 | 40.71 | 42.35 | 40.42 | 49.05 | 60.35 | 74.36 | 62.02 | 38.90 | 29.98 | 29.78 | 44.83 |
| | 0.77 | 0.46 | 0.39 | 0.34 | 0.35 | 0.40 | 0.53 | 0.72 | 0.83 | 0.92 | 0.90 | 0.88 | 1.31 | 1.62 | 1.72 | 1.49 | 1.94 | 2.26 | 2.80 | 2.23 | 1.19 | 0.72 | 0.75 | 1.10 |
| | -0.57 | -0.04 | 0.00 | -0.11 | 0.00 | 0.00 | -0.04 | 0.00 | -0.15 | -0.18 | -0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.65 | -4.69 | -3.03 | 0.00 |
| BROOME__LFGE 323600 | 36.26 | 27.74 | 26.24 | 23.47 | 21.64 | 23.16 | 25.44 | 31.32 | 30.52 | 29.68 | 30.64 | 25.32 | 34.97 | 40.71 | 42.35 | 40.42 | 49.05 | 60.35 | 74.36 | 62.02 | 38.90 | 29.98 | 29.78 | 44.83 |
| | 0.77 | 0.46 | 0.39 | 0.34 | 0.35 | 0.40 | 0.53 | 0.72 | 0.83 | 0.92 | 0.90 | 0.88 | 1.31 | 1.62 | 1.72 | 1.49 | 1.94 | 2.26 | 2.80 | 2.23 | 1.19 | 0.72 | 0.75 | 1.10 |
| | -0.57 | -0.04 | 0.00 | -0.11 | 0.00 | 0.00 | -0.04 | 0.00 | -0.15 | -0.18 | -0.89 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.65 | -4.69 | -3.03 | 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 34.87 | 26.66 | 25.27 | 22.41 | 20.85 | 22.42 | 24.63 | 30.35 | 29.23 | 28.14 | 28.22 | 21.34 | 32.27 | 37.72 | 39.01 | 37.08 | 33.16 | -7.26 | 57.73 | 58.09 | 33.04 | 24.05 | 25.66 | 43.34 |
| | -0.54 | -0.61 | -0.58 | -0.62 | -0.44 | -0.34 | -0.27 | -0.24 | -0.44 | -0.60 | -0.85 | -0.95 | -1.39 | -1.37 | -1.63 | -1.85 | -2.15 | -2.47 | -2.36 | -1.70 | -1.02 | -0.52 | -0.34 | -0.39 |
| | -0.50 | -0.04 | 0.00 | -0.01 | 0.00 | 0.00 | -0.03 | 0.00 | -0.13 | -0.15 | -0.21 | 2.15 | 0.00 | 0.00 | 0.00 | 0.00 | 11.81 | 62.87 | 11.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 38.00 | 29.73 | 28.10 | 25.41 | 23.08 | 24.54 | 26.89 | 33.19 | 32.48 | 31.61 | 34.66 | 36.43 | 37.73 | 44.00 | 45.73 | 43.84 | 53.12 | 65.41 | 80.05 | 66.31 | 48.44 | 40.87 | 37.65 | 47.64 |
| | 3.09 | 2.50 | 2.24 | 2.02 | 1.79 | 1.79 | 2.02 | 2.60 | 2.94 | 3.03 | 3.39 | 3.00 | 4.06 | 4.91 | 5.09 | 4.91 | 6.01 | 7.32 | 8.49 | 6.51 | 3.64 | 2.51 | 2.73 | 3.91 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| BURROWS__LYONSDAL 23803 | 36.04 | 27.57 | 26.08 | 23.14 | 21.54 | 23.18 | 25.46 | 31.35 | 30.30 | 29.24 | 29.50 | 24.26 | 34.06 | 39.81 | 41.26 | 39.34 | 51.09 | 75.29 | 70.66 | 61.38 | 34.90 | 25.11 | 26.68 | 44.73 |
| | 0.70 | 0.31 | 0.22 | 0.12 | 0.25 | 0.42 | 0.56 | 0.76 | 0.65 | 0.53 | 0.44 | 0.29 | 0.39 | 0.72 | 0.62 | 0.40 | 0.64 | 0.94 | 1.61 | 1.58 | 0.84 | 0.54 | 0.68 | 1.00 |
| | -0.42 | -0.03 | 0.00 | -0.01 | 0.00 | 0.00 | -0.03 | 0.00 | -0.11 | -0.13 | -0.21 | 0.47 | 0.00 | 0.00 | 0.00 | 0.00 | -3.33 | -16.25 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CAITHNESS_CC_1 323624 | 54.78 | 29.76 | 28.13 | 25.30 | 23.02 | 24.52 | 26.74 | 33.06 | 32.39 | 36.37 | 70.20 | 112.74 | 142.47 | 199.59 | 149.80 | 190.45 | 171.23 | 194.81 | 227.10 | 177.25 | 144.97 | 122.02 | 74.29 | 82.40 |
| | 3.23 | 2.52 | 2.28 | 1.91 | 1.73 | 1.77 | 1.87 | 2.46 | 2.85 | 3.14 | 3.48 | 3.13 | 4.25 | 5.04 | 5.07 | 4.89 | 5.93 | 7.30 | 8.41 | 6.52 | 3.77 | 2.67 | 3.06 | 4.40 |
| | -16.65 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.64 | -37.87 | -85.17 | -104.55 | -155.46 | -104.09 | -146.63 | -118.19 | -129.43 | -147.13 | -110.93 | -107.15 | -94.78 | -45.23 | -34.27 |
| CALPINE BETH_PAGE_GT4 24209 | 57.25 | 29.63 | 27.99 | 25.29 | 22.99 | 24.48 | 26.68 | 32.95 | 32.30 | 36.14 | 69.98 | 111.83 | 128.24 | 131.96 | 134.43 | 140.65 | 141.85 | 137.22 | 182.56 | 172.19 | 124.21 | 45.02 | 41.83 | 48.58 |
| | 3.02 | 2.39 | 2.14 | 1.89 | 1.70 | 1.72 | 1.81 | 2.35 | 2.76 | 2.92 | 3.27 | 2.91 | 3.93 | 4.73 | 4.85 | 4.69 | 5.71 | 6.99 | 8.07 | 6.23 | 3.53 | 2.43 | 2.71 | 3.73 |
| | -19.31 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.64 | -37.87 | -84.47 | -90.65 | -88.14 | -88.94 | -97.03 | -89.02 | -72.15 | -102.93 | -106.16 | -86.63 | -18.02 | -13.12 | -1.13 |
| CALPINE_BETH_PAGE_GT_4 323586 | 57.24 | 29.63 | 27.99 | 25.29 | 22.99 | 24.48 | 26.68 | 32.95 | 32.30 | 36.15 | 69.98 | 111.82 | 128.24 | 131.96 | 134.42 | 140.65 | 141.85 | 137.21 | 182.56 | 172.19 | 124.21 | 45.02 | 41.83 | 48.58 |
| | 3.02 | 2.39 | 2.14 | 1.89 | 1.70 | 1.72 | 1.81 | 2.35 | 2.76 | 2.93 | 3.26 | 2.90 | 3.93 | 4.72 | 4.85 | 4.68 | 5.71 | 6.98 | 8.07 | 6.23 | 3.53 | 2.43 | 2.70 | 3.72 |
| | -19.31 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.64 | -37.87 | -84.47 | -90.65 | -88.14 | -88.94 | -97.03 | -89.02 | -72.14 | -102.93 | -106.16 | -86.63 | -18.02 | -13.12 | -1.13 |
| CALPINE_BP_GT1 23823 | 57.24 | 29.63 | 27.99 | 25.29 | 22.99 | 24.48 | 26.68 | 32.95 | 32.30 | 36.15 | 69.98 | 111.82 | 128.24 | 131.96 | 134.42 | 140.65 | 141.85 | 137.21 | 182.56 | 172.19 | 124.21 | 45.02 | 41.83 | 48.58 |
| | 3.02 | 2.39 | 2.14 | 1.89 | 1.70 | 1.72 | 1.81 | 2.35 | 2.76 | 2.93 | 3.26 | 2.90 | 3.93 | 4.72 | 4.85 | 4.68 | 5.71 | 6.98 | 8.07 | 6.23 | 3.53 | 2.43 | 2.70 | 3.72 |
| | -19.31 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.64 | -37.87 | -84.47 | -90.65 | -88.14 | -88.94 | -97.03 | -89.02 | -72.14 | -102.93 | -106.16 | -86.63 | -18.02 | -13.12 | -1.13 |
| CALSPAN__DRP 24200 | 36.15 | 28.03 | 26.49 | 23.51 | 21.76 | 23.24 | 25.62 | 31.53 | 30.57 | 29.81 | 30.19 | 25.48 | 35.22 | 40.73 | 42.45 | 40.36 | 49.05 | 59.96 | 73.54 | 61.99 | 36.93 | 27.51 | 28.08 | 45.34 |
| | 1.24 | 0.80 | 0.63 | 0.44 | 0.47 | 0.49 | 0.75 | 0.93 | 1.04 | 1.23 | 0.96 | 1.04 | 1.56 | 1.64 | 1.82 | 1.43 | 1.94 | 1.88 | 1.99 | 2.19 | 1.15 | 0.73 | 0.65 | 1.61 |
| | 0.00 | 0.00 | 0.00 | -0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.72 | -2.21 | -1.43 | 0.00 |
| CALVERTON__SOLAR 323806 | 54.99 | 29.91 | 28.27 | 25.41 | 23.12 | 24.63 | 26.86 | 33.24 | 32.57 | 36.58 | 70.39 | 112.93 | 142.73 | 199.77 | 150.37 | 191.10 | 172.51 | 196.74 | 229.49 | 178.10 | 145.47 | 122.00 | 74.39 | 82.28 |
| | 3.43 | 2.68 | 2.42 | 2.02 | 1.83 | 1.88 | 1.99 | 2.64 | 3.03 | 3.36 | 3.67 | 3.32 | 4.56 | 5.43 | 5.48 | 5.35 | 6.46 | 7.98 | 9.26 | 7.21 | 4.12 | 2.90 | 3.27 | 4.72 |
| | -16.65 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.64 | -37.87 | -85.17 | -104.50 | -155.25 | -104.25 | -146.82 | -118.93 | -130.68 | -148.68 | -111.10 | -107.29 | -94.53 | -45.12 | -33.83 |
| CANDIGU_WT_PWR 323617 | 35.96 | 27.65 | 26.13 | 23.40 | 21.68 | 23.21 | 25.53 | 31.49 | 30.64 | 29.77 | 30.36 | 25.45 | 35.20 | 40.84 | 42.51 | 40.25 | 48.96 | 60.09 | 74.40 | 62.34 | 37.77 | 28.38 | 28.75 | 45.12 |
| | 0.74 | 0.39 | 0.27 | 0.30 | 0.39 | 0.45 | 0.65 | 0.89 | 1.02 | 1.10 | 0.92 | 1.01 | 1.53 | 1.75 | 1.87 | 1.32 | 1.84 | 2.00 | 2.85 | 2.54 | 1.37 | 0.79 | 0.80 | 1.39 |
| | -0.30 | -0.02 | 0.00 | -0.08 | 0.00 | 0.00 | -0.02 | 0.00 | -0.08 | -0.09 | -0.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.35 | -3.02 | -1.95 | 0.00 |
| CARR STREET_E_SYR 24060 | 35.55 | 27.10 | 25.62 | 22.82 | 21.10 | 22.57 | 24.78 | 30.45 | 29.69 | 28.86 | 29.36 | 24.55 | 33.88 | 39.37 | 40.95 | 39.23 | 48.05 | 61.26 | 72.15 | 60.28 | 34.23 | 24.62 | 25.99 | 43.64 |
| | -0.17 | -0.20 | -0.24 | -0.23 | -0.19 | -0.18 | -0.14 | -0.14 | -0.06 | 0.03 | 0.05 | 0.11 | 0.21 | 0.28 | 0.32 | 0.30 | 0.46 | 0.51 | 0.60 | 0.48 | 0.17 | 0.05 | -0.01 | -0.09 |
| | -0.81 | -0.06 | 0.00 | -0.03 | 0.00 | 0.00 | -0.06 | 0.00 | -0.21 | -0.25 | -0.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.48 | -2.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CARTHAGE__PAPER 23857 | 36.60 | 27.46 | 25.94 | 22.99 | 21.50 | 23.18 | 25.57 | 31.48 | 30.48 | 29.33 | 29.45 | 23.25 | 33.01 | 38.86 | 40.22 | 38.07 | 51.75 | 83.05 | 66.61 | 60.28 | 34.19 | 24.69 | 26.68 | 44.82 |
| | 0.65 | 0.14 | 0.08 | -0.04 | 0.21 | 0.43 | 0.63 | 0.88 | 0.66 | 0.43 | 0.17 | -0.27 | -0.66 | -0.22 | -0.42 | -0.86 | -0.79 | -0.71 | -0.03 | 0.48 | 0.13 | 0.11 | 0.67 | 1.09 |
| | -1.04 | -0.08 | 0.00 | -0.02 | 0.00 | 0.00 | -0.07 | 0.00 | -0.27 | -0.32 | -0.43 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | -5.43 | -25.68 | 4.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|
| CASSADAGA_WT_PWR 323784 | 36.28 1.37 0.00 | 28.20 0.96 0.00 | 26.69 0.84 0.00 | 23.75 0.67 -0.06 | 22.02 0.73 0.00 | 23.55 0.79 0.00 | 26.01 1.15 0.00 | 31.79 1.19 0.00 | 30.86 1.32 0.00 | 30.32 1.74 0.00 | 30.81 1.56 -0.40 | 25.97 1.53 0.00 | 36.04 2.37 0.00 | 41.88 2.78 0.00 | 43.78 3.14 0.00 | 41.17 2.24 0.00 | 50.63 3.51 0.00 | 61.97 3.89 0.00 | 76.02 4.47 0.00 | 63.46 3.67 0.00 | 37.72 1.83 -1.84 | 28.01 1.08 -2.36 | 28.59 1.06 -1.52 | 45.80 2.08 0.00 |
| CE_DUNWOOD___DRP 24194 | 37.29 2.38 0.00 | 29.16 1.93 0.00 | 27.59 1.74 0.00 | 24.96 1.57 -0.38 | 22.68 1.39 0.00 | 24.14 1.39 0.00 | 26.40 1.54 0.00 | 32.56 1.97 0.00 | 31.81 2.27 0.00 | 30.96 2.38 0.00 | 34.00 2.73 -2.42 | 36.40 2.41 -9.54 | 36.92 3.25 0.00 | 43.08 3.99 0.00 | 44.77 4.14 0.00 | 42.93 3.99 0.00 | 51.99 4.88 0.00 | 64.06 5.98 0.00 | 78.47 6.92 0.00 | 65.08 5.28 0.00 | 47.72 2.94 -10.71 | 40.34 2.01 -13.76 | 37.09 2.19 -8.89 | 46.78 3.05 0.00 |
| CE_MILLWOOD___DRP 24193 | 37.21 2.30 0.00 | 29.10 1.86 0.00 | 27.53 1.67 0.00 | 24.91 1.51 -0.38 | 22.63 1.34 0.00 | 24.10 1.34 0.00 | 26.35 1.48 0.00 | 32.49 1.89 0.00 | 31.73 2.20 0.00 | 30.88 2.30 0.00 | 33.91 2.66 -2.40 | 36.75 2.34 -9.97 | 36.82 3.16 0.00 | 42.96 3.87 0.00 | 44.67 4.03 0.00 | 42.82 3.89 0.00 | 51.87 4.75 0.00 | 63.91 5.82 0.00 | 78.30 6.75 0.00 | 64.95 5.16 0.00 | 47.59 2.87 -10.66 | 40.22 1.96 -13.69 | 36.99 2.14 -8.85 | 46.69 2.96 0.00 |
| CE_NYC2_DRP 24202 | 37.35 2.45 0.00 | 29.23 1.99 0.00 | 27.64 1.78 0.00 | 25.04 1.65 -0.38 | 22.73 1.44 0.00 | 24.17 1.42 0.00 | 26.47 1.60 0.00 | 32.64 2.05 0.00 | 31.92 2.38 0.00 | 31.02 2.44 0.00 | 34.10 2.83 -2.42 | 35.93 2.51 -8.98 | 36.97 3.30 0.00 | 43.11 4.02 0.00 | 40.16 4.14 4.62 | 42.92 4.00 0.00 | 51.98 4.87 0.00 | 64.00 5.92 0.00 | 78.24 6.69 0.00 | 64.89 5.10 0.00 | 47.63 2.83 -10.74 | 40.32 1.95 -13.79 | 37.09 2.17 -8.92 | 46.75 3.03 0.00 |
| CE_NYC_DRP 24195 | 37.45 2.54 0.00 | 29.32 2.09 0.00 | 27.72 1.86 0.00 | 25.09 1.69 -0.38 | 22.78 1.49 0.00 | 24.22 1.47 0.00 | 26.54 1.67 0.00 | 32.76 2.16 0.00 | 32.03 2.50 0.00 | 31.18 2.60 0.00 | 34.21 2.94 -2.42 | 36.03 2.61 -8.98 | 37.17 3.50 0.00 | 43.35 4.26 0.00 | 45.05 4.42 0.00 | 43.19 4.25 0.00 | 52.31 5.20 0.00 | 64.43 6.34 0.00 | 78.82 7.27 0.00 | 65.30 5.51 0.00 | 47.88 3.08 -10.74 | 40.48 2.11 -13.79 | 37.24 2.32 -8.92 | 46.95 3.22 0.00 |
| CHAFFEE___LFGE 323603 | 36.16 1.25 0.00 | 28.01 0.77 0.00 | 26.46 0.60 0.00 | 23.49 0.41 -0.06 | 21.72 0.43 0.00 | 23.21 0.45 0.00 | 25.60 0.74 0.00 | 31.51 0.91 0.00 | 30.58 1.05 0.00 | 29.83 1.25 0.00 | 30.23 0.99 -0.39 | 25.55 1.10 0.00 | 35.31 1.65 0.00 | 40.86 1.77 0.00 | 42.62 1.98 0.00 | 40.45 1.52 0.00 | 49.23 2.12 0.00 | 60.23 2.14 0.00 | 73.84 2.29 0.00 | 62.19 2.40 0.00 | 37.13 1.28 -1.79 | 27.69 0.81 -2.30 | 28.21 0.72 -1.49 | 45.40 1.67 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 33.31 -1.60 0.00 | 25.98 -1.26 0.00 | 24.98 -0.88 0.00 | 22.11 -0.90 0.00 | 20.36 -0.93 0.00 | 21.78 -0.98 0.00 | 23.84 -1.03 0.00 | 29.43 -1.16 0.00 | 28.32 -1.22 0.00 | 27.21 -1.37 0.00 | 27.05 -1.79 0.00 | 18.68 -1.77 3.99 | 31.14 -2.52 0.00 | 36.14 -2.95 0.00 | 37.83 -2.80 0.00 | 36.37 -2.56 0.00 | 41.68 -3.24 2.19 | 20.77 -4.24 33.07 | 45.99 -4.33 21.23 | 56.53 -3.27 0.00 | 32.14 -1.92 0.00 | 23.34 -1.24 0.00 | 24.76 -1.25 0.00 | 42.35 -1.38 0.00 |
| CHATEAUG_WT_PWR 323614 | 33.16 -1.75 0.00 | 25.85 -1.39 0.00 | 24.93 -0.92 0.00 | 22.07 -0.95 0.00 | 20.30 -0.99 0.00 | 21.72 -1.04 0.00 | 23.74 -1.13 0.00 | 29.29 -1.31 0.00 | 28.21 -1.32 0.00 | 27.12 -1.46 0.00 | 26.95 -1.90 0.00 | 18.49 -1.88 4.07 | 30.97 -2.70 0.00 | 35.96 -3.13 0.00 | 37.68 -2.96 0.00 | 36.25 -2.68 0.00 | 41.93 -3.41 1.78 | 22.41 -4.52 31.15 | 45.27 -4.63 21.65 | 56.31 -3.49 0.00 | 32.01 -2.05 0.00 | 23.26 -1.32 0.00 | 24.66 -1.34 0.00 | 42.18 -1.54 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 33.31 -1.60 0.00 | 25.98 -1.26 0.00 | 24.98 -0.88 0.00 | 22.11 -0.90 0.00 | 20.36 -0.93 0.00 | 21.78 -0.98 0.00 | 23.84 -1.03 0.00 | 29.43 -1.16 0.00 | 28.32 -1.22 0.00 | 27.21 -1.37 0.00 | 27.05 -1.79 0.00 | 18.68 -1.77 3.99 | 31.14 -2.53 0.00 | 36.14 -2.94 0.00 | 37.84 -2.80 0.00 | 36.37 -2.56 0.00 | 41.68 -3.24 2.19 | 20.77 -4.24 33.07 | 45.99 -4.33 21.23 | 56.53 -3.27 0.00 | 32.13 -1.92 0.00 | 23.34 -1.23 0.00 | 24.76 -1.25 0.00 | 42.35 -1.38 0.00 |
| CHAUTAUQUA___LFGE 323629 | 36.31 1.40 0.00 | 28.14 0.90 0.00 | 26.61 0.75 0.00 | 23.64 0.57 -0.06 | 21.91 0.63 0.00 | 23.44 0.68 0.00 | 25.89 1.02 0.00 | 31.77 1.17 0.00 | 30.82 1.28 0.00 | 30.17 1.59 0.00 | 30.62 1.38 -0.39 | 25.85 1.41 0.00 | 35.82 2.16 0.00 | 41.63 2.55 0.00 | 43.48 2.84 0.00 | 41.04 2.11 0.00 | 50.19 3.08 0.00 | 61.43 3.34 0.00 | 75.39 3.83 0.00 | 63.10 3.31 0.00 | 37.55 1.70 -1.79 | 27.91 1.03 -2.30 | 28.48 0.98 -1.49 | 45.70 1.97 0.00 |
| CHERRYST_13_KV_LD 356241 | 37.60 2.69 0.00 | 29.43 2.20 0.00 | 27.82 1.96 0.00 | 25.18 1.78 -0.38 | 22.87 1.58 0.00 | 24.32 1.57 0.00 | 26.65 1.78 0.00 | 32.90 2.31 0.00 | 32.20 2.66 0.00 | 31.35 2.77 0.00 | 34.38 3.11 -2.42 | 36.19 2.76 -8.98 | 37.38 3.72 0.00 | 43.59 4.51 0.00 | 45.30 4.66 0.00 | 43.42 4.49 0.00 | 52.61 5.49 0.00 | 64.78 6.69 0.00 | 79.22 7.66 0.00 | 65.60 5.81 0.00 | 48.04 3.24 -10.74 | 40.58 2.22 -13.79 | 37.35 2.43 -8.92 | 47.14 3.41 0.00 |
| CHESTROR_138KV_BK263 355645 | 36.83 1.92 0.00 | 28.78 1.55 0.00 | 27.25 1.40 0.00 | 24.62 1.26 -0.34 | 22.40 1.12 0.00 | 23.87 1.12 0.00 | 26.10 1.23 0.00 | 32.17 1.57 0.00 | 31.36 1.83 0.00 | 30.51 1.92 0.00 | 33.28 2.23 -2.20 | 18.68 1.96 7.73 | 36.33 2.66 0.00 | 42.39 3.30 0.00 | 44.09 3.45 0.00 | 42.26 3.33 0.00 | 51.22 4.10 0.00 | 63.15 5.06 0.00 | 77.46 5.91 0.00 | 64.33 4.53 0.00 | 46.33 2.53 -9.75 | 38.80 1.71 -12.51 | 35.94 1.84 -8.09 | 46.29 2.56 0.00 |
| CH_MIDHUDSON___DRP 24192 | 37.24 2.34 0.00 | 29.08 1.85 0.00 | 27.55 1.69 0.00 | 24.93 1.53 -0.39 | 22.64 1.35 0.00 | 24.14 1.39 0.00 | 26.39 1.52 0.00 | 32.50 1.90 0.00 | 31.71 2.17 0.00 | 30.85 2.27 0.00 | 33.97 2.65 -2.48 | 28.73 2.32 -1.97 | 36.80 3.13 0.00 | 42.89 3.80 0.00 | 44.60 3.96 0.00 | 42.77 3.83 0.00 | 51.79 4.67 0.00 | 63.85 5.76 0.00 | 78.32 6.77 0.00 | 65.04 5.24 0.00 | 48.10 2.94 -11.10 | 40.85 2.03 -14.25 | 37.40 2.18 -9.21 | 46.78 3.05 0.00 |
| CH_MISC_IPPS 23765 | 37.50 2.59 0.00 | 29.27 2.04 0.00 | 27.71 1.85 0.00 | 25.06 1.66 -0.38 | 22.77 1.48 0.00 | 24.28 1.52 0.00 | 26.55 1.68 0.00 | 32.73 2.13 0.00 | 31.96 2.43 0.00 | 31.11 2.53 0.00 | 34.18 2.91 -2.42 | 26.99 2.54 0.00 | 37.14 3.47 0.00 | 43.31 4.22 0.00 | 45.04 4.40 0.00 | 43.20 4.27 0.00 | 52.36 5.25 0.00 | 64.57 6.49 0.00 | 79.21 7.66 0.00 | 65.75 5.96 0.00 | 48.21 3.32 -10.84 | 40.75 2.27 -13.91 | 37.41 2.41 -9.00 | 47.15 3.42 0.00 |
| CH_RES_BVR_FALLS 23983 | 34.41 -0.50 0.00 | 26.78 -0.45 0.00 | 25.45 -0.41 0.00 | 22.62 -0.39 0.00 | 20.97 -0.32 0.00 | 22.45 -0.31 0.00 | 24.54 -0.33 0.00 | 30.22 -0.37 0.00 | 29.03 -0.51 0.00 | 27.98 -0.61 0.00 | 28.10 -0.75 0.00 | 25.55 -0.75 -1.86 | 32.61 -1.06 0.00 | 37.84 -1.25 0.00 | 39.34 -1.30 0.00 | 37.70 -1.24 0.00 | 45.03 -1.51 0.58 | 62.64 -1.87 -6.42 | 79.33 -2.13 -9.90 | 58.11 -1.68 0.00 | 33.08 -0.98 0.00 | 23.91 -0.66 0.00 | 25.39 -0.62 0.00 | 42.97 -0.76 0.00 |

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|-------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|------------------------|
| CH_RES_NIAGARA 23895 | 35.24 0.33 0.00 | 27.39 0.16 0.00 | 25.88 0.02 0.00 | 22.95 -0.12 -0.06 | 21.21 -0.08 0.00 | 22.62 -0.13 0.00 | 24.94 0.07 0.00 | 30.60 0.00 0.00 | 29.62 0.08 0.00 | 28.84 0.26 0.00 | 29.12 -0.08 -0.35 | 24.55 0.11 0.00 | 33.80 0.13 0.00 | 38.86 -0.22 0.00 | 40.41 -0.23 0.00 | 38.48 -0.45 0.00 | 46.67 -0.45 0.00 | 56.91 -1.18 0.00 | 69.57 -1.99 0.00 | 58.93 -0.87 0.00 | 35.19 -0.43 -1.56 | 26.21 -0.37 -2.01 | 26.83 -0.46 -1.30 | 43.83 0.11 0.00 |
| CH_RES_SYRACUSE 23985 | 36.54 0.12 -1.51 | 27.37 0.02 -0.12 | 25.82 -0.04 0.00 | 23.02 -0.04 -0.04 | 21.27 -0.01 0.00 | 22.75 -0.01 0.00 | 24.97 0.00 -0.10 | 30.58 -0.01 0.00 | 29.97 0.03 -0.40 | 29.17 0.12 -0.47 | 29.68 0.14 -0.70 | 24.62 0.18 0.00 | 33.99 0.32 0.00 | 39.50 0.41 0.00 | 41.04 0.40 0.00 | 39.31 0.37 0.00 | 48.09 0.56 -0.42 | 61.13 0.68 -2.36 | 72.42 0.86 0.00 | 60.50 0.70 0.00 | 35.30 0.29 -0.96 | 25.94 0.14 -1.23 | 26.86 0.07 -0.79 | 43.82 0.09 0.00 |
| CLINTON_WT_PWR 323605 | 33.16 -1.75 0.00 | 25.85 -1.39 0.00 | 24.93 -0.92 0.00 | 22.07 -0.95 0.00 | 20.30 -0.99 0.00 | 21.72 -1.04 0.00 | 23.74 -1.13 0.00 | 29.29 -1.31 0.00 | 28.21 -1.32 0.00 | 27.12 -1.46 0.00 | 26.95 -1.90 0.00 | 18.49 -1.88 4.07 | 30.97 -2.70 0.00 | 35.96 -3.13 0.00 | 37.68 -2.96 0.00 | 36.25 -2.68 0.00 | 41.93 -3.41 1.78 | 22.41 -4.52 31.15 | 45.27 -4.63 21.65 | 56.31 -3.49 0.00 | 32.01 -2.05 0.00 | 23.26 -1.32 0.00 | 24.66 -1.34 0.00 | 42.18 -1.54 0.00 |
| CLINTON___LFGE 323618 | 33.05 -1.86 0.00 | 25.75 -1.48 0.00 | 25.02 -0.84 0.00 | 22.10 -0.92 0.00 | 20.32 -0.97 0.00 | 21.74 -1.01 0.00 | 23.73 -1.14 0.00 | 29.23 -1.36 0.00 | 28.18 -1.36 0.00 | 27.09 -1.49 0.00 | 26.88 -1.96 0.00 | 18.46 -1.93 4.05 | 30.92 -2.74 0.00 | 35.94 -3.15 0.00 | 37.70 -2.94 0.00 | 36.29 -2.64 0.00 | 41.90 -3.33 1.88 | 21.92 -4.51 31.66 | 45.45 -4.55 21.54 | 56.42 -3.38 0.00 | 32.14 -1.92 0.00 | 23.32 -1.25 0.00 | 24.67 -1.33 0.00 | 42.17 -1.56 0.00 |
| COBBLENY_34_KV_TB1 80064 | 36.16 1.25 0.00 | 28.01 0.77 0.00 | 26.46 0.60 0.00 | 23.49 0.41 -0.06 | 21.72 0.43 0.00 | 23.21 0.45 0.00 | 25.60 0.74 0.00 | 31.51 0.91 0.00 | 30.58 1.04 0.00 | 29.83 1.25 0.00 | 30.23 0.99 -0.39 | 25.53 1.09 0.00 | 35.31 1.64 0.00 | 40.86 1.77 0.00 | 42.59 1.95 0.00 | 40.44 1.51 0.00 | 49.21 2.10 0.00 | 60.19 2.10 0.00 | 73.84 2.29 0.00 | 62.19 2.40 0.00 | 37.12 1.27 -1.79 | 27.68 0.81 -2.30 | 28.20 0.71 -1.49 | 45.40 1.67 0.00 |
| COFFEEN___115KV_TB3 355620 | 37.31 1.13 -1.27 | 27.80 0.47 -0.10 | 26.22 0.36 0.00 | 23.26 0.22 -0.02 | 21.77 0.48 0.00 | 23.47 0.72 0.00 | 25.95 1.00 -0.09 | 31.94 1.34 0.00 | 31.00 1.13 -0.34 | 29.91 0.93 -0.39 | 30.16 0.80 -0.51 | 24.09 0.41 0.76 | 34.23 0.56 0.00 | 40.33 1.25 0.00 | 41.60 0.96 0.00 | 39.30 0.37 0.00 | 52.36 0.73 -4.51 | 80.59 1.13 -21.37 | 69.77 2.27 4.06 | 62.29 2.49 0.00 | 35.31 1.25 0.00 | 25.43 0.86 0.00 | 27.15 1.15 0.00 | 45.52 1.79 0.00 |
| COLDSPRG_115KV_BK1 355956 | 36.39 1.48 0.00 | 28.23 0.99 0.00 | 26.68 0.83 0.00 | 23.72 0.64 -0.06 | 21.98 0.69 0.00 | 23.52 0.76 0.00 | 25.99 1.12 0.00 | 31.96 1.36 0.00 | 31.04 1.51 0.00 | 30.37 1.78 0.00 | 30.82 1.56 -0.41 | 25.98 1.54 0.00 | 36.04 2.37 0.00 | 41.97 2.88 0.00 | 43.74 3.10 0.00 | 41.08 2.15 0.00 | 50.43 3.31 0.00 | 61.75 3.67 0.00 | 75.80 4.24 0.00 | 63.35 3.55 0.00 | 37.78 1.82 -1.91 | 28.12 1.10 -2.45 | 28.68 1.10 -1.58 | 45.93 2.20 0.00 |
| COLONIE_LFGE___ 323577 | 36.59 1.68 0.00 | 28.68 1.44 0.00 | 27.27 1.42 0.00 | 24.80 1.29 -0.49 | 22.42 1.14 0.00 | 24.01 1.25 0.00 | 26.14 1.27 0.00 | 31.96 1.37 0.00 | 31.01 1.47 0.00 | 30.03 1.45 0.00 | 33.68 1.67 -3.16 | 27.96 1.42 -2.10 | 35.67 2.01 0.00 | 41.44 2.35 0.00 | 42.95 2.31 0.00 | 41.21 2.28 0.00 | 49.60 2.49 0.00 | 61.24 3.15 0.00 | 75.51 3.96 0.00 | 63.04 3.25 0.00 | 66.63 2.03 -30.54 | 65.26 1.48 -39.21 | 52.93 1.58 -25.35 | 45.87 2.14 0.00 |
| COOPERNY_115KV_TB1 80082 | 36.38 1.47 0.00 | 28.40 1.17 0.00 | 26.90 1.05 0.00 | 24.22 0.95 -0.26 | 22.14 0.85 0.00 | 23.60 0.84 0.00 | 25.79 0.92 0.00 | 31.78 1.18 0.00 | 30.93 1.40 0.00 | 30.07 1.49 0.00 | 32.23 1.74 -1.64 | 23.09 1.54 2.89 | 35.83 2.16 0.00 | 41.80 2.71 0.00 | 43.48 2.84 0.00 | 41.66 2.73 0.00 | 50.48 3.37 0.00 | 62.25 4.17 0.00 | 76.44 4.88 0.00 | 63.58 3.78 0.00 | 43.36 2.11 -7.20 | 35.23 1.42 -9.24 | 33.50 1.52 -5.98 | 45.81 2.08 0.00 |
| COPENHAGEN_WT_PWR 323753 | 36.75 0.51 -1.34 | 27.32 -0.02 -0.10 | 25.77 -0.09 0.00 | 22.86 -0.17 -0.02 | 21.43 0.14 0.00 | 23.11 0.35 0.00 | 25.56 0.60 -0.09 | 31.44 0.84 0.00 | 30.55 0.67 -0.35 | 29.49 0.49 -0.41 | 29.73 0.34 -0.54 | 23.67 -0.05 0.72 | 33.59 -0.08 0.00 | 39.60 0.51 0.00 | 40.97 0.33 0.00 | 38.72 -0.21 0.00 | 51.43 0.05 -4.27 | 78.57 0.27 -20.22 | 68.89 1.18 3.83 | 61.27 1.48 0.00 | 34.66 0.60 0.00 | 24.88 0.31 0.00 | 26.59 0.59 0.00 | 44.64 0.91 0.00 |
| CORNELL___ 23752 | 36.89 1.16 -0.82 | 28.07 0.77 -0.06 | 26.51 0.65 0.00 | 23.67 0.58 -0.08 | 21.86 0.57 0.00 | 23.41 0.65 0.00 | 25.73 0.81 -0.06 | 31.64 1.04 0.00 | 30.85 1.10 -0.22 | 29.96 1.12 -0.25 | 30.64 1.04 -0.75 | 25.45 1.00 0.00 | 35.12 1.45 0.00 | 40.83 1.74 0.00 | 42.42 1.78 0.00 | 40.60 1.67 0.00 | 49.37 2.26 0.00 | 60.91 2.83 0.00 | 75.36 3.80 0.00 | 63.03 3.24 0.00 | 38.31 1.76 -2.50 | 28.93 1.15 -3.21 | 29.20 1.13 -2.08 | 45.45 1.71 0.00 |
| CORONA_AV_69_KV_TB1 355595 | 71.78 3.33 -33.54 | 29.85 2.62 0.00 | 28.19 2.34 0.00 | 25.46 2.07 -0.38 | 23.14 1.85 0.00 | 24.62 1.87 0.00 | 26.82 1.96 0.00 | 33.11 2.51 0.00 | 32.44 2.90 0.00 | 36.25 3.03 -4.64 | 70.16 3.44 -37.87 | 111.83 2.97 -84.41 | 127.98 4.01 -90.31 | 130.49 4.88 -86.53 | 134.45 5.07 -88.74 | 140.00 4.88 -96.18 | 141.74 5.96 -88.66 | 136.87 7.36 -71.42 | 182.66 8.70 -102.41 | 172.75 6.85 -106.10 | 124.17 3.77 -86.34 | 43.26 2.52 -16.17 | 41.07 2.73 -12.34 | 47.55 3.83 0.00 |
| CORTLAND_115KV_TB3 80093 | 36.56 0.80 -0.85 | 27.81 0.51 -0.07 | 26.28 0.42 0.00 | 23.45 0.37 -0.06 | 21.67 0.38 0.00 | 23.20 0.44 0.00 | 25.48 0.56 -0.06 | 31.32 0.72 0.00 | 30.54 0.78 -0.22 | 29.66 0.81 -0.26 | 30.29 0.77 -0.67 | 25.19 0.75 0.00 | 34.77 1.11 0.00 | 40.45 1.36 0.00 | 42.07 1.43 0.00 | 40.24 1.31 0.00 | 49.23 1.72 -0.40 | 62.45 2.11 -2.25 | 74.29 2.74 0.00 | 62.11 2.32 0.00 | 37.20 1.25 -1.89 | 27.80 0.80 -2.43 | 28.38 0.81 -1.57 | 44.91 1.18 0.00 |
| COXSACKIE___GT 23611 | 37.67 2.76 0.00 | 29.47 2.23 0.00 | 27.97 2.12 0.00 | 25.37 1.90 -0.46 | 22.98 1.69 0.00 | 24.67 1.91 0.00 | 26.91 2.05 0.00 | 32.83 2.24 0.00 | 31.64 2.10 0.00 | 30.35 1.77 0.00 | 33.46 1.70 -2.91 | 27.39 1.39 -1.56 | -71.95 2.08 107.70 | 13.16 2.64 28.56 | 43.39 2.75 0.00 | 41.52 2.59 0.00 | 50.21 3.10 0.00 | 62.27 4.19 0.00 | 77.29 5.74 0.00 | 65.05 5.26 0.00 | 56.04 3.25 -18.72 | 50.84 2.22 -24.04 | 43.75 2.20 -15.54 | 46.85 3.12 0.00 |
| CPV_VALLEY___CC1 323721 | 36.51 1.60 0.00 | 28.53 1.30 0.00 | 27.02 1.16 0.00 | 24.39 1.06 -0.31 | 22.23 0.94 0.00 | 23.68 0.92 0.00 | 25.88 1.02 0.00 | 31.89 1.30 0.00 | 31.09 1.55 0.00 | 30.23 1.65 0.00 | 32.79 1.94 -2.00 | 21.50 1.70 4.64 | 35.98 2.32 0.00 | 41.96 2.87 0.00 | 43.65 3.01 0.00 | 41.84 2.91 0.00 | 50.68 3.57 0.00 | 62.47 4.39 0.00 | 76.64 5.09 0.00 | 63.66 3.87 0.00 | 45.07 2.15 -8.86 | 37.40 1.45 -11.38 | 34.93 1.57 -7.36 | 45.86 2.13 0.00 |

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|--------------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|-------------------------|-------------------------|-----------------------|-----------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| CPV_VALLEY___CC2 323722 | 36.51 1.60 0.00 | 28.53 1.30 0.00 | 27.02 1.16 0.00 | 24.39 1.06 -0.31 | 22.23 0.94 0.00 | 23.68 0.92 0.00 | 25.88 1.02 0.00 | 31.89 1.30 0.00 | 31.09 1.55 0.00 | 30.23 1.65 0.00 | 32.79 1.94 -2.00 | 21.50 1.70 4.64 | 35.98 2.32 0.00 | 41.96 2.87 0.00 | 43.65 3.01 0.00 | 41.84 2.91 0.00 | 50.68 3.57 0.00 | 62.47 4.39 0.00 | 76.64 5.09 0.00 | 63.66 3.87 0.00 | 45.07 2.15 -8.86 | 37.40 1.45 -11.38 | 34.93 1.57 -7.36 | 45.86 2.13 0.00 |
| CRESCENT___HYD 24018 | 36.59 1.68 0.00 | 28.68 1.44 0.00 | 27.27 1.42 0.00 | 24.80 1.29 -0.49 | 22.42 1.14 0.00 | 24.01 1.25 0.00 | 26.14 1.27 0.00 | 31.96 1.37 0.00 | 31.01 1.47 0.00 | 30.03 1.45 0.00 | 33.68 1.67 -3.16 | 27.96 1.42 -2.10 | 35.67 2.01 0.00 | 41.44 2.35 0.00 | 42.95 2.31 0.00 | 41.21 2.28 0.00 | 49.60 2.49 0.00 | 61.24 3.15 0.00 | 75.51 3.96 0.00 | 63.04 3.25 0.00 | 66.63 2.03 -30.54 | 65.26 1.48 -39.21 | 52.93 1.58 -25.35 | 45.87 2.14 0.00 |
| CRICKET___VALLEY_CC1 323756 | 36.82 1.92 0.00 | 28.76 1.52 0.00 | 27.26 1.41 0.00 | 24.70 1.28 -0.40 | 22.40 1.11 0.00 | 23.91 1.16 0.00 | 26.13 1.26 0.00 | 32.09 1.50 0.00 | 31.27 1.74 0.00 | 30.40 1.81 0.00 | 33.69 2.26 -2.58 | 30.42 1.93 -4.04 | 36.19 2.53 0.00 | 42.17 3.08 0.00 | 43.81 3.17 0.00 | 41.99 3.06 0.00 | 50.78 3.66 0.00 | 62.59 4.50 0.00 | 76.84 5.28 0.00 | 63.87 4.08 0.00 | 48.21 2.34 -11.81 | 41.37 1.63 -15.16 | 37.63 1.83 -9.80 | 46.17 2.44 0.00 |
| CRICKET___VALLEY_CC2 323757 | 36.82 1.92 0.00 | 28.76 1.52 0.00 | 27.26 1.41 0.00 | 24.70 1.28 -0.40 | 22.40 1.11 0.00 | 23.91 1.16 0.00 | 26.13 1.26 0.00 | 32.09 1.50 0.00 | 31.27 1.74 0.00 | 30.40 1.81 0.00 | 33.69 2.26 -2.58 | 30.42 1.93 -4.04 | 36.19 2.53 0.00 | 42.17 3.08 0.00 | 43.81 3.17 0.00 | 41.99 3.06 0.00 | 50.78 3.66 0.00 | 62.59 4.50 0.00 | 76.84 5.28 0.00 | 63.87 4.08 0.00 | 48.21 2.34 -11.81 | 41.37 1.63 -15.16 | 37.63 1.83 -9.80 | 46.17 2.44 0.00 |
| CRICKET___VALLEY_CC3 323758 | 36.82 1.92 0.00 | 28.76 1.52 0.00 | 27.26 1.41 0.00 | 24.70 1.28 -0.40 | 22.40 1.11 0.00 | 23.91 1.16 0.00 | 26.13 1.26 0.00 | 32.09 1.50 0.00 | 31.27 1.74 0.00 | 30.40 1.81 0.00 | 33.69 2.26 -2.58 | 30.42 1.93 -4.04 | 36.19 2.53 0.00 | 42.17 3.08 0.00 | 43.81 3.17 0.00 | 41.99 3.06 0.00 | 50.78 3.66 0.00 | 62.59 4.50 0.00 | 76.84 5.28 0.00 | 63.87 4.08 0.00 | 48.21 2.34 -11.81 | 41.37 1.63 -15.16 | 37.63 1.83 -9.80 | 46.17 2.44 0.00 |
| CRUCIBLE_METL_DRP 24180 | 36.54 0.11 -1.51 | 27.37 0.02 -0.12 | 25.82 -0.04 0.00 | 23.02 -0.04 -0.04 | 21.27 -0.01 0.00 | 22.75 0.00 0.00 | 24.97 0.00 -0.10 | 30.58 -0.01 0.00 | 29.96 0.03 -0.40 | 29.17 0.12 -0.47 | 29.68 0.14 -0.70 | 24.62 0.18 0.00 | 33.99 0.32 0.00 | 39.50 0.41 0.00 | 41.05 0.41 0.00 | 39.31 0.37 0.00 | 48.09 0.55 -0.42 | 61.12 0.68 -2.36 | 72.41 0.86 0.00 | 60.49 0.70 0.00 | 35.30 0.29 -0.96 | 25.94 0.14 -1.23 | 26.86 0.07 -0.79 | 43.82 0.09 0.00 |
| DAHOWA___HYDRO 323763 | 37.27 2.36 0.00 | 29.06 1.82 0.00 | 27.64 1.78 0.00 | 25.12 1.60 -0.50 | 22.71 1.41 0.00 | 24.34 1.58 0.00 | 26.59 1.72 0.00 | 32.56 1.97 0.00 | 31.54 2.01 0.00 | 30.50 1.92 0.00 | 34.16 2.10 -3.22 | 28.29 1.84 -2.01 | 36.25 2.59 0.00 | 42.07 2.99 0.00 | 43.64 3.00 0.00 | 41.92 2.99 0.00 | 50.53 3.41 0.00 | 62.50 4.42 0.00 | 77.55 5.99 0.00 | 64.72 4.93 0.00 | 70.84 3.03 -33.75 | 70.12 2.21 -43.34 | 56.27 2.24 -28.02 | 46.94 3.22 0.00 |
| DANC___LFGE 323619 | 36.75 0.16 -1.67 | 27.21 -0.15 -0.13 | 25.66 -0.20 0.00 | 22.80 -0.24 -0.02 | 21.25 -0.03 0.00 | 22.85 0.10 0.00 | 25.23 0.25 -0.11 | 30.98 0.39 0.00 | 30.28 0.30 -0.44 | 29.33 0.23 -0.52 | 29.65 0.14 -0.66 | 23.88 -0.08 0.48 | 33.56 -0.10 0.00 | 39.36 0.26 0.00 | 40.80 0.16 0.00 | 38.72 -0.21 0.00 | 49.97 -0.07 -2.93 | 72.04 0.05 -13.91 | 69.55 0.58 2.58 | 60.62 0.83 0.00 | 34.38 0.32 0.00 | 24.72 0.15 0.00 | 26.30 0.30 0.00 | 44.15 0.43 0.00 |
| DANSKAMMER___1 23586 | 37.50 2.59 0.00 | 29.27 2.04 0.00 | 27.71 1.85 0.00 | 25.06 1.66 -0.38 | 22.77 1.48 0.00 | 24.28 1.52 0.00 | 26.55 1.68 0.00 | 32.73 2.13 0.00 | 31.96 2.43 0.00 | 31.11 2.53 0.00 | 34.18 2.91 -2.42 | 26.99 2.54 0.00 | 37.14 3.47 0.00 | 43.31 4.22 0.00 | 45.04 4.40 0.00 | 43.20 4.27 0.00 | 52.36 5.25 0.00 | 64.57 6.49 0.00 | 79.21 7.66 0.00 | 65.75 5.96 0.00 | 48.21 3.32 -10.84 | 40.75 2.27 -13.91 | 37.41 2.41 -9.00 | 47.15 3.42 0.00 |
| DANSKAMMER___2 23589 | 37.50 2.59 0.00 | 29.27 2.04 0.00 | 27.71 1.85 0.00 | 25.06 1.66 -0.38 | 22.77 1.48 0.00 | 24.28 1.52 0.00 | 26.55 1.68 0.00 | 32.73 2.13 0.00 | 31.96 2.43 0.00 | 31.11 2.53 0.00 | 34.18 2.91 -2.42 | 26.99 2.54 0.00 | 37.14 3.47 0.00 | 43.31 4.22 0.00 | 45.04 4.40 0.00 | 43.20 4.27 0.00 | 52.36 5.25 0.00 | 64.57 6.49 0.00 | 79.21 7.66 0.00 | 65.75 5.96 0.00 | 48.21 3.32 -10.84 | 40.75 2.27 -13.91 | 37.41 2.41 -9.00 | 47.15 3.42 0.00 |
| DANSKAMMER___3 23590 | 37.50 2.59 0.00 | 29.27 2.04 0.00 | 27.71 1.85 0.00 | 25.06 1.66 -0.38 | 22.77 1.48 0.00 | 24.28 1.52 0.00 | 26.55 1.68 0.00 | 32.73 2.13 0.00 | 31.96 2.43 0.00 | 31.11 2.53 0.00 | 34.18 2.91 -2.42 | 26.99 2.54 0.00 | 37.14 3.47 0.00 | 43.31 4.22 0.00 | 45.04 4.40 0.00 | 43.20 4.27 0.00 | 52.36 5.25 0.00 | 64.57 6.49 0.00 | 79.21 7.66 0.00 | 65.75 5.96 0.00 | 48.21 3.32 -10.84 | 40.75 2.27 -13.91 | 37.41 2.41 -9.00 | 47.15 3.42 0.00 |
| DANSKAMMER___4 23591 | 37.50 2.59 0.00 | 29.27 2.04 0.00 | 27.71 1.85 0.00 | 25.06 1.66 -0.38 | 22.77 1.48 0.00 | 24.28 1.52 0.00 | 26.55 1.68 0.00 | 32.73 2.13 0.00 | 31.96 2.43 0.00 | 31.11 2.53 0.00 | 34.18 2.91 -2.42 | 26.99 2.54 0.00 | 37.14 3.47 0.00 | 43.31 4.22 0.00 | 45.04 4.40 0.00 | 43.20 4.27 0.00 | 52.36 5.25 0.00 | 64.57 6.49 0.00 | 79.21 7.66 0.00 | 65.75 5.96 0.00 | 48.21 3.32 -10.84 | 40.75 2.27 -13.91 | 37.41 2.41 -9.00 | 47.15 3.42 0.00 |
| DANSKAMMER___DIESEL 23592 | 37.50 2.59 0.00 | 29.27 2.04 0.00 | 27.71 1.85 0.00 | 25.06 1.66 -0.38 | 22.77 1.48 0.00 | 24.28 1.52 0.00 | 26.55 1.68 0.00 | 32.73 2.13 0.00 | 31.96 2.43 0.00 | 31.11 2.53 0.00 | 34.18 2.91 -2.42 | 27.00 2.55 0.00 | 37.14 3.48 0.00 | 43.31 4.22 0.00 | 45.05 4.41 0.00 | 43.20 4.27 0.00 | 52.36 5.25 0.00 | 64.57 6.49 0.00 | 79.21 7.66 0.00 | 65.75 5.96 0.00 | 48.21 3.32 -10.84 | 40.75 2.27 -13.91 | 37.41 2.42 -9.00 | 47.14 3.41 0.00 |
| DARBY___SOLAR 323810 | 37.16 2.25 0.00 | 29.00 1.77 0.00 | 27.58 1.72 0.00 | 25.07 1.55 -0.50 | 22.66 1.37 0.00 | 24.28 1.53 0.00 | 26.51 1.65 0.00 | 32.47 1.87 0.00 | 31.46 1.92 0.00 | 30.43 1.85 0.00 | 34.08 2.02 -3.21 | 28.22 1.76 -2.02 | 36.13 2.46 0.00 | 41.94 2.85 0.00 | 43.50 2.86 0.00 | 41.77 2.84 0.00 | 50.36 3.25 0.00 | 62.29 4.20 0.00 | 77.20 5.64 0.00 | 64.43 4.63 0.00 | 70.28 2.84 -33.38 | 69.51 2.07 -42.86 | 55.84 2.13 -27.71 | 46.78 3.05 0.00 |
| DASHVILLE___HYD 23610 | 36.95 2.04 0.00 | 28.85 1.61 0.00 | 27.33 1.47 0.00 | 24.76 1.35 -0.39 | 22.48 1.19 0.00 | 23.94 1.19 0.00 | 26.16 1.29 0.00 | 32.28 1.68 0.00 | 31.54 2.01 0.00 | 30.72 2.14 0.00 | 33.89 2.53 -2.51 | 26.73 2.29 0.00 | 6.88 3.19 29.98 | 34.92 3.78 7.95 | 44.55 3.92 0.00 | 42.78 3.84 0.00 | 51.87 4.76 0.00 | 63.93 5.84 0.00 | 78.29 6.74 0.00 | 64.92 5.12 0.00 | 49.42 2.76 -12.59 | 42.58 1.84 -16.17 | 38.48 2.02 -10.45 | 46.60 2.87 0.00 |

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|--------------------------------------------|-------------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 56.16 4.59 -16.66 | 30.81 3.58 0.00 | 29.11 3.25 0.00 | 26.13 2.74 -0.38 | 23.78 2.49 0.00 | 25.33 2.57 0.00 | 27.61 2.75 0.00 | 34.23 3.64 0.00 | 33.59 4.06 0.00 | 37.67 4.45 -4.64 | 71.44 4.72 -37.87 | 113.92 4.30 -85.17 | 144.13 5.99 -104.48 | 201.33 7.12 -155.12 | 152.27 7.32 -104.32 | 192.95 7.13 -146.89 | 175.07 8.63 -119.32 | 200.07 10.68 -131.30 | 233.44 12.46 -149.43 | 180.77 9.80 -111.17 | 146.91 5.51 -107.35 | 122.77 3.82 -94.37 | 75.24 4.18 -45.06 | 83.58 6.24 -33.62 |
| DELAWARE___LFGE 323621 | 36.53 1.35 -0.28 | 28.27 1.02 -0.02 | 26.81 0.95 0.00 | 24.04 0.89 -0.14 | 22.11 0.82 0.00 | 23.62 0.86 0.00 | 25.83 0.94 -0.02 | 31.80 1.20 0.00 | 30.93 1.32 -0.07 | 30.03 1.36 -0.09 | 31.27 1.46 -0.96 | 25.74 1.30 0.00 | 35.45 1.78 0.00 | 41.17 2.08 0.00 | 42.78 2.14 0.00 | 40.96 2.03 0.00 | 49.67 2.56 0.00 | 61.14 3.06 0.00 | 75.23 3.68 0.00 | 62.80 3.01 0.00 | 43.60 1.72 -7.83 | 35.79 1.17 -10.05 | 33.71 1.21 -6.50 | 45.52 1.79 0.00 |
| DERFIELD_115KV_TB7 355931 | 35.08 0.17 0.00 | 27.35 0.11 0.00 | 25.96 0.10 0.00 | 23.11 0.09 0.00 | 21.38 0.10 0.00 | 22.87 0.12 0.00 | 24.99 0.12 0.00 | 30.72 0.13 0.00 | 29.71 0.17 0.00 | 28.75 0.17 0.00 | 29.06 0.21 0.00 | 24.81 0.20 -0.16 | 33.94 0.28 0.00 | 39.43 0.34 0.00 | 40.96 0.32 0.00 | 39.20 0.27 0.00 | 47.83 0.35 -0.37 | 61.45 0.42 -2.94 | 72.94 0.52 -0.87 | 60.21 0.42 0.00 | 34.30 0.24 0.00 | 24.74 0.17 0.00 | 26.19 0.18 0.00 | 43.94 0.21 0.00 |
| DOGLEVILLE___HYD 23807 | 35.69 0.78 0.00 | 27.89 0.66 0.00 | 26.50 0.64 0.00 | 23.62 0.61 0.00 | 21.77 0.48 0.00 | 23.34 0.58 0.00 | 25.41 0.55 0.00 | 31.06 0.47 0.00 | 30.12 0.58 0.00 | 29.25 0.67 0.00 | 29.81 0.96 0.00 | 25.54 0.93 -0.16 | 35.06 1.39 0.00 | 40.72 1.63 0.00 | 41.99 1.35 0.00 | 40.26 1.33 0.00 | 48.91 1.43 -0.37 | 63.07 2.04 -2.94 | 75.39 2.97 -0.87 | 62.16 2.36 0.00 | 35.66 1.60 0.00 | 25.72 1.15 0.00 | 27.17 1.17 0.00 | 45.00 1.27 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 36.29 1.38 0.00 | 28.11 0.88 0.00 | 26.58 0.72 0.00 | 23.61 0.53 -0.06 | 21.88 0.59 0.00 | 23.41 0.65 0.00 | 25.84 0.98 0.00 | 31.75 1.15 0.00 | 30.79 1.25 0.00 | 30.13 1.55 0.00 | 30.58 1.34 -0.39 | 25.79 1.35 0.00 | 35.75 2.09 0.00 | 41.55 2.46 0.00 | 43.38 2.75 0.00 | 40.99 2.05 0.00 | 50.08 2.97 0.00 | 61.30 3.21 0.00 | 75.25 3.69 0.00 | 62.99 3.20 0.00 | 37.49 1.64 -1.79 | 27.87 1.01 -2.30 | 28.44 0.96 -1.49 | 45.66 1.93 0.00 |
| DUNKIRK___1 23563 | 36.29 1.38 0.00 | 28.11 0.88 0.00 | 26.58 0.72 0.00 | 23.61 0.53 -0.06 | 21.88 0.59 0.00 | 23.41 0.65 0.00 | 25.84 0.98 0.00 | 31.75 1.15 0.00 | 30.79 1.25 0.00 | 30.13 1.55 0.00 | 30.58 1.34 -0.39 | 25.79 1.35 0.00 | 35.75 2.09 0.00 | 41.55 2.46 0.00 | 43.38 2.75 0.00 | 40.99 2.05 0.00 | 50.08 2.97 0.00 | 61.30 3.21 0.00 | 75.25 3.69 0.00 | 62.99 3.20 0.00 | 37.49 1.64 -1.79 | 27.87 1.01 -2.30 | 28.44 0.96 -1.49 | 45.66 1.93 0.00 |
| DUNKIRK___2 23564 | 36.29 1.38 0.00 | 28.11 0.88 0.00 | 26.58 0.72 0.00 | 23.61 0.53 -0.06 | 21.88 0.59 0.00 | 23.41 0.65 0.00 | 25.84 0.98 0.00 | 31.75 1.15 0.00 | 30.79 1.25 0.00 | 30.13 1.55 0.00 | 30.58 1.34 -0.39 | 25.79 1.35 0.00 | 35.75 2.09 0.00 | 41.55 2.46 0.00 | 43.38 2.75 0.00 | 40.99 2.05 0.00 | 50.08 2.97 0.00 | 61.30 3.21 0.00 | 75.25 3.69 0.00 | 62.99 3.20 0.00 | 37.49 1.64 -1.79 | 27.87 1.01 -2.30 | 28.44 0.96 -1.49 | 45.66 1.93 0.00 |
| DUNKIRK___3 23565 | 36.16 1.25 0.00 | 28.01 0.78 0.00 | 26.48 0.63 0.00 | 23.52 0.45 -0.06 | 21.79 0.50 0.00 | 23.30 0.54 0.00 | 25.72 0.85 0.00 | 31.62 1.03 0.00 | 30.67 1.13 0.00 | 29.96 1.38 0.00 | 30.39 1.15 -0.39 | 25.63 1.18 0.00 | 35.49 1.83 0.00 | 41.21 2.13 0.00 | 43.01 2.37 0.00 | 40.75 1.82 0.00 | 49.64 2.52 0.00 | 60.73 2.64 0.00 | 74.55 3.00 0.00 | 62.51 2.72 0.00 | 37.24 1.40 -1.78 | 27.70 0.85 -2.29 | 28.28 0.80 -1.48 | 45.44 1.71 0.00 |
| DUNKIRK___4 23566 | 36.16 1.25 0.00 | 28.01 0.78 0.00 | 26.48 0.63 0.00 | 23.52 0.45 -0.06 | 21.79 0.50 0.00 | 23.30 0.54 0.00 | 25.72 0.85 0.00 | 31.62 1.03 0.00 | 30.67 1.13 0.00 | 29.96 1.38 0.00 | 30.39 1.15 -0.39 | 25.63 1.18 0.00 | 35.49 1.83 0.00 | 41.21 2.13 0.00 | 43.01 2.37 0.00 | 40.75 1.82 0.00 | 49.64 2.52 0.00 | 60.73 2.64 0.00 | 74.55 3.00 0.00 | 62.51 2.72 0.00 | 37.24 1.40 -1.78 | 27.70 0.85 -2.29 | 28.28 0.80 -1.48 | 45.44 1.71 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 37.38 2.47 0.00 | 29.24 2.00 0.00 | 27.66 1.80 0.00 | 25.02 1.62 -0.38 | 22.73 1.44 0.00 | 24.19 1.43 0.00 | 26.46 1.59 0.00 | 32.63 2.03 0.00 | 31.89 2.36 0.00 | 31.03 2.45 0.00 | 34.08 2.81 -2.42 | 35.90 2.48 -8.97 | 37.01 3.34 0.00 | 43.17 4.08 0.00 | 44.88 4.24 0.00 | 43.03 4.09 0.00 | 52.11 5.00 0.00 | 64.21 6.12 0.00 | 78.64 7.08 0.00 | 65.20 5.40 0.00 | 47.81 3.01 -10.75 | 40.42 2.05 -13.80 | 37.18 2.26 -8.92 | 46.86 3.14 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 37.11 2.20 0.00 | 28.98 1.75 0.00 | 27.44 1.58 0.00 | 24.81 1.42 -0.36 | 22.55 1.26 0.00 | 24.03 1.27 0.00 | 26.27 1.41 0.00 | 32.41 1.81 0.00 | 31.62 2.08 0.00 | 30.76 2.18 0.00 | 33.69 2.52 -2.33 | 24.61 2.22 2.05 | 36.68 3.02 0.00 | 42.79 3.70 0.00 | 44.51 3.87 0.00 | 42.68 3.74 0.00 | 51.73 4.62 0.00 | 63.79 5.70 0.00 | 78.27 6.72 0.00 | 64.98 5.18 0.00 | 47.35 2.88 -10.41 | 39.91 1.96 -13.37 | 36.75 2.10 -8.65 | 46.68 2.95 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 37.35 2.44 0.00 | 29.22 1.98 0.00 | 27.63 1.78 0.00 | 25.04 1.65 -0.38 | 22.68 1.39 0.00 | 24.15 1.39 0.00 | 26.44 1.58 0.00 | 32.61 2.01 0.00 | 31.91 2.37 0.00 | 30.98 2.40 0.00 | 34.04 2.77 -2.42 | 35.83 2.40 -8.98 | 37.06 3.39 0.00 | 43.25 4.16 0.00 | 44.90 4.26 0.00 | 42.94 4.01 0.00 | 51.90 4.79 0.00 | 63.89 5.81 0.00 | 78.22 6.67 0.00 | 64.96 5.17 0.00 | 47.71 2.91 -10.74 | 40.38 2.02 -13.79 | 37.13 2.21 -8.92 | 46.83 3.10 0.00 |
| E179THST_13_KV_LOAD 356214 | 37.60 2.70 0.00 | 29.41 2.17 0.00 | 27.80 1.95 0.00 | 25.19 1.79 -0.38 | 22.81 1.52 0.00 | 24.29 1.53 0.00 | 26.61 1.74 0.00 | 32.83 2.24 0.00 | 32.11 2.58 0.00 | 31.19 2.61 0.00 | 34.26 2.99 -2.42 | 36.01 2.59 -8.98 | 37.32 3.65 0.00 | 43.57 4.49 0.00 | 45.23 4.59 0.00 | 43.25 4.32 0.00 | 52.28 5.17 0.00 | 64.38 6.30 0.00 | 78.79 7.24 0.00 | 65.45 5.65 0.00 | 47.98 3.18 -10.74 | 40.58 2.21 -13.79 | 37.34 2.42 -8.92 | 47.17 3.45 0.00 |
| EAST HAMPTON___GT 23717 | 56.90 5.34 -16.66 | 31.42 4.19 0.00 | 29.73 3.87 0.00 | 26.68 3.28 -0.38 | 24.27 2.98 0.00 | 25.86 3.10 0.00 | 28.17 3.30 0.00 | 34.96 4.36 0.00 | 34.30 4.76 0.00 | 38.42 5.20 -4.64 | 72.02 5.31 -37.87 | 114.38 4.76 -85.17 | 144.82 6.68 -104.47 | 202.14 7.94 -155.11 | 153.19 8.23 -104.32 | 193.85 8.03 -146.89 | 176.22 9.75 -119.35 | 201.50 12.06 -131.36 | 235.13 14.09 -149.48 | 182.09 11.12 -111.17 | 147.63 6.22 -107.35 | 123.23 4.30 -94.36 | 75.70 4.65 -45.05 | 84.39 7.07 -33.60 |
| EAST RIVER___6 23660 | 37.59 2.68 0.00 | 29.43 2.20 0.00 | 27.79 1.93 0.00 | 25.14 1.75 -0.38 | 22.83 1.54 0.00 | 24.28 1.52 0.00 | 26.61 1.75 0.00 | 32.86 2.26 0.00 | 32.16 2.62 0.00 | 31.31 2.73 0.00 | 34.36 3.09 -2.42 | 36.16 2.73 -8.98 | 37.33 3.67 0.00 | 43.54 4.46 0.00 | 45.28 4.64 0.00 | 43.41 4.48 0.00 | 52.59 5.47 0.00 | 64.72 6.64 0.00 | 79.17 7.62 0.00 | 65.60 5.80 0.00 | 48.05 3.25 -10.74 | 40.61 2.24 -13.79 | 37.37 2.45 -8.92 | 47.16 3.44 0.00 |

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|--------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| EAST RIVER___7 23524 | 37.59 2.68 0.00 | 29.43 2.20 0.00 | 27.79 1.93 0.00 | 25.14 1.75 -0.38 | 22.83 1.54 0.00 | 24.28 1.52 0.00 | 26.61 1.75 0.00 | 32.86 2.26 0.00 | 32.16 2.62 0.00 | 31.31 2.73 0.00 | 34.36 3.09 -2.42 | 36.16 2.73 -8.98 | 37.33 3.67 0.00 | 43.54 4.46 0.00 | 45.28 4.64 0.00 | 43.41 4.48 0.00 | 52.59 5.47 0.00 | 64.72 6.64 0.00 | 79.17 7.62 0.00 | 65.60 5.80 0.00 | 48.05 3.25 -10.74 | 40.61 2.24 -13.79 | 37.37 2.45 -8.92 | 47.16 3.44 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 37.29 2.38 0.00 | 29.16 1.93 0.00 | 27.59 1.74 0.00 | 24.96 1.57 -0.38 | 22.68 1.39 0.00 | 24.14 1.39 0.00 | 26.40 1.54 0.00 | 32.56 1.97 0.00 | 31.81 2.27 0.00 | 30.96 2.38 0.00 | 34.00 2.73 -2.42 | 36.40 2.41 -9.54 | 36.92 3.25 0.00 | 43.08 3.99 0.00 | 44.77 4.14 0.00 | 42.93 3.99 0.00 | 51.99 4.88 0.00 | 64.06 5.98 0.00 | 78.47 6.92 0.00 | 65.08 5.28 0.00 | 47.72 2.94 -10.71 | 40.34 2.01 -13.76 | 37.09 2.19 -8.89 | 46.78 3.05 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 56.92 5.35 -16.66 | 31.43 4.20 0.00 | 29.73 3.87 0.00 | 26.68 3.28 -0.38 | 24.27 2.99 0.00 | 25.86 3.11 0.00 | 28.18 3.32 0.00 | 34.97 4.38 0.00 | 34.31 4.77 0.00 | 38.43 5.21 -4.64 | 72.04 5.32 -37.87 | 114.39 4.78 -85.17 | 144.85 6.71 -104.47 | 202.17 7.97 -155.11 | 153.21 8.25 -104.32 | 193.87 8.05 -146.89 | 176.25 9.78 -119.35 | 201.54 12.11 -131.35 | 235.19 14.15 -149.48 | 182.14 11.17 -111.17 | 147.65 6.25 -107.35 | 123.26 4.32 -94.36 | 75.73 4.67 -45.05 | 84.42 7.10 -33.60 |
| EAST_PULASKI___ESR 323781 | 37.07 -0.23 -2.39 | 27.09 -0.33 -0.18 | 25.50 -0.36 0.00 | 22.69 -0.36 -0.03 | 21.06 -0.23 0.00 | 22.57 -0.19 0.00 | 24.90 -0.13 -0.16 | 30.48 -0.11 0.00 | 30.06 -0.10 -0.63 | 29.24 -0.08 -0.74 | 29.63 -0.12 -0.90 | 24.05 -0.14 0.25 | 33.47 -0.20 0.00 | 39.03 -0.06 0.00 | 40.52 -0.12 0.00 | 38.65 -0.28 0.00 | 48.44 -0.26 -1.58 | 65.37 -0.27 -7.56 | 70.14 -0.09 1.33 | 59.88 0.08 0.00 | 34.02 -0.03 0.00 | 24.50 -0.07 0.00 | 25.95 -0.05 0.00 | 43.57 -0.16 0.00 |
| EAST_RIVER___1 323558 | 37.45 2.54 0.00 | 29.32 2.09 0.00 | 27.72 1.86 0.00 | 25.09 1.69 -0.38 | 22.78 1.49 0.00 | 24.23 1.47 0.00 | 26.54 1.67 0.00 | 32.76 2.16 0.00 | 32.03 2.49 0.00 | 31.18 2.60 0.00 | 34.21 2.94 -2.42 | 36.03 2.60 -8.98 | 37.17 3.50 0.00 | 43.35 4.26 0.00 | 45.05 4.41 0.00 | 43.19 4.25 0.00 | 52.31 5.20 0.00 | 64.43 6.34 0.00 | 78.82 7.27 0.00 | 65.30 5.51 0.00 | 47.87 3.07 -10.74 | 40.48 2.11 -13.79 | 37.23 2.31 -8.92 | 46.95 3.22 0.00 |
| EAST_RIVER___2 323559 | 37.59 2.68 0.00 | 29.43 2.20 0.00 | 27.79 1.93 0.00 | 25.14 1.75 -0.38 | 22.83 1.54 0.00 | 24.28 1.52 0.00 | 26.61 1.75 0.00 | 32.86 2.26 0.00 | 32.16 2.62 0.00 | 31.31 2.73 0.00 | 34.36 3.09 -2.42 | 36.16 2.73 -8.98 | 37.33 3.67 0.00 | 43.54 4.46 0.00 | 45.28 4.64 0.00 | 43.41 4.48 0.00 | 52.59 5.47 0.00 | 64.72 6.64 0.00 | 79.17 7.62 0.00 | 65.60 5.80 0.00 | 48.05 3.25 -10.74 | 40.61 2.24 -13.79 | 37.37 2.45 -8.92 | 47.16 3.44 0.00 |
| EAST___DELAWARE_HYD 23607 | 36.79 1.88 0.00 | 28.67 1.44 0.00 | 27.11 1.25 0.00 | 24.45 1.11 -0.33 | 22.27 0.98 0.00 | 23.72 0.96 0.00 | 25.94 1.07 0.00 | 32.05 1.46 0.00 | 31.30 1.77 0.00 | 30.51 1.93 0.00 | 33.23 2.28 -2.10 | 25.20 2.04 1.28 | 24.59 2.70 11.78 | 38.46 2.50 3.12 | 43.50 2.86 0.00 | 41.71 2.77 0.00 | 50.67 3.56 0.00 | 62.71 4.62 0.00 | 77.08 5.53 0.00 | 64.04 4.24 0.00 | 46.16 2.37 -9.74 | 39.11 2.02 -12.51 | 36.17 2.08 -8.09 | 46.62 2.89 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 36.25 1.04 -0.30 | 27.87 0.61 -0.02 | 26.23 0.38 0.00 | 23.60 0.51 -0.07 | 21.89 0.60 0.00 | 23.42 0.67 0.00 | 25.81 0.92 -0.02 | 31.87 1.28 0.00 | 31.05 1.43 -0.08 | 30.13 1.45 -0.09 | 30.60 1.20 -0.55 | 25.73 1.29 0.00 | 35.58 1.92 0.00 | 41.19 2.11 0.00 | 42.76 2.12 0.00 | 40.38 1.45 0.00 | 49.29 2.18 0.00 | 60.56 2.47 0.00 | 75.28 3.73 0.00 | 63.22 3.43 0.00 | 38.04 1.80 -2.19 | 28.49 1.12 -2.81 | 29.01 1.20 -1.81 | 45.77 2.04 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 36.58 0.05 -1.62 | 27.32 -0.03 -0.12 | 25.77 -0.08 0.00 | 22.97 -0.08 -0.04 | 21.24 -0.05 0.00 | 22.72 -0.04 0.00 | 24.98 0.00 -0.11 | 30.61 0.01 0.00 | 30.04 0.07 -0.42 | 29.25 0.16 -0.50 | 29.76 0.18 -0.74 | 24.64 0.20 0.00 | 33.99 0.32 0.00 | 39.51 0.42 0.00 | 41.10 0.46 0.00 | 39.35 0.42 0.00 | 48.10 0.61 -0.38 | 60.94 0.73 -2.12 | 72.48 0.93 0.00 | 60.56 0.76 0.00 | 35.42 0.33 -1.03 | 26.08 0.19 -1.32 | 26.96 0.10 -0.85 | 43.89 0.16 0.00 |
| ELEC_TRO_TEK 24086 | 61.65 2.99 -23.75 | 29.61 2.37 0.00 | 27.99 2.13 0.00 | 25.28 1.88 -0.38 | 22.98 1.69 0.00 | 24.46 1.70 0.00 | 26.66 1.79 0.00 | 32.91 2.31 0.00 | 32.23 2.69 0.00 | 36.03 2.81 -4.64 | 69.89 3.18 -37.87 | 111.65 2.80 -84.41 | 127.72 3.75 -90.31 | 130.15 4.54 -86.53 | 134.05 4.68 -88.74 | 139.63 4.51 -96.18 | 141.28 5.51 -88.66 | 136.27 6.76 -71.42 | 181.85 7.88 -102.41 | 172.00 6.10 -106.10 | 123.82 3.42 -86.34 | 43.07 2.33 -16.17 | 40.91 2.57 -12.34 | 47.28 3.55 0.00 |
| ELLENBURG_WT_PWR 323604 | 33.16 -1.75 0.00 | 25.85 -1.39 0.00 | 24.93 -0.92 0.00 | 22.07 -0.95 0.00 | 20.30 -0.99 0.00 | 21.72 -1.04 0.00 | 23.74 -1.13 0.00 | 29.29 -1.31 0.00 | 28.21 -1.32 0.00 | 27.12 -1.46 0.00 | 26.95 -1.90 0.00 | 18.49 -1.88 4.07 | 30.97 -2.70 0.00 | 35.96 -3.13 0.00 | 37.68 -2.96 0.00 | 36.25 -2.68 0.00 | 41.93 -3.41 1.78 | 22.41 -4.52 31.15 | 45.27 -4.63 21.65 | 56.31 -3.49 0.00 | 32.01 -2.05 0.00 | 23.26 -1.32 0.00 | 24.66 -1.34 0.00 | 42.18 -1.54 0.00 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 35.98 1.07 0.00 | 27.93 0.69 0.00 | 26.40 0.55 0.00 | 23.43 0.35 -0.06 | 21.68 0.39 0.00 | 23.15 0.39 0.00 | 25.52 0.66 0.00 | 31.38 0.78 0.00 | 30.41 0.87 0.00 | 29.64 1.06 -0.37 | 30.01 0.79 0.00 | 25.31 0.87 0.00 | 34.95 1.29 0.00 | 40.41 1.32 0.00 | 42.10 1.46 0.00 | 40.04 1.11 0.00 | 48.65 1.54 0.00 | 59.44 1.36 0.00 | 72.89 1.34 0.00 | 61.48 1.68 0.00 | 36.61 0.88 -1.67 | 27.27 0.54 -2.15 | 27.86 0.46 -1.39 | 45.08 1.35 0.00 |
| EMPIRE_CC_1 323656 | 35.98 1.07 0.00 | 28.32 1.08 0.00 | 26.95 1.10 0.00 | 24.49 1.01 -0.47 | 22.14 0.85 0.00 | 23.69 0.94 0.00 | 25.76 0.89 0.00 | 31.41 0.82 0.00 | 30.49 0.95 0.00 | 29.53 0.95 0.00 | 32.99 1.16 -2.98 | 27.88 0.97 -2.47 | 35.08 1.41 0.00 | 40.72 1.63 0.00 | 42.23 1.59 0.00 | 40.53 1.60 0.00 | 48.72 1.61 0.00 | 60.04 1.96 0.00 | 73.93 2.38 0.00 | 61.69 1.89 0.00 | 52.01 1.25 -16.70 | 46.94 0.93 -21.44 | 40.95 1.09 -13.86 | 44.96 1.22 0.00 |
| EMPIRE_CC_2 323658 | 35.98 1.07 0.00 | 28.32 1.08 0.00 | 26.95 1.10 0.00 | 24.49 1.01 -0.47 | 22.14 0.85 0.00 | 23.69 0.94 0.00 | 25.76 0.89 0.00 | 31.41 0.82 0.00 | 30.49 0.95 0.00 | 29.53 0.95 0.00 | 32.99 1.16 -2.98 | 27.88 0.97 -2.47 | 35.08 1.41 0.00 | 40.72 1.63 0.00 | 42.23 1.59 0.00 | 40.53 1.60 0.00 | 48.72 1.61 0.00 | 60.04 1.96 0.00 | 73.93 2.38 0.00 | 61.69 1.89 0.00 | 52.01 1.25 -16.70 | 46.94 0.93 -21.44 | 40.95 1.09 -13.86 | 44.96 1.22 0.00 |
| ENORWICH_115KV_TB1 80156 | 38.56 3.03 -0.61 | 29.44 2.16 -0.05 | 27.81 1.96 0.00 | 24.84 1.72 -0.10 | 22.97 1.68 0.00 | 24.66 1.90 0.00 | 27.16 2.25 -0.04 | 33.44 2.84 0.00 | 32.62 2.92 -0.16 | 31.63 2.86 -0.19 | 32.33 2.63 -0.85 | 26.82 2.38 0.00 | 37.19 3.53 0.00 | 43.01 3.92 0.00 | 44.69 4.05 0.00 | 42.67 3.74 0.00 | 52.14 5.03 0.00 | 64.41 6.33 0.00 | 79.85 8.30 0.00 | 67.12 7.33 0.00 | 42.65 4.06 -4.53 | 33.11 2.72 -5.82 | 32.47 2.70 -3.76 | 48.00 4.27 0.00 |

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|--------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|------------------------|
| ERIE_ST__34_KV_TB1-2 80199 | 36.32 1.41 0.00 | 28.15 0.91 0.00 | 26.59 0.73 0.00 | 23.59 0.51 -0.06 | 21.82 0.53 0.00 | 23.32 0.57 0.00 | 25.73 0.86 0.00 | 31.70 1.10 0.00 | 30.78 1.24 0.00 | 30.04 1.46 0.00 | 30.44 1.20 -0.38 | 25.71 1.27 0.00 | 35.56 1.90 0.00 | 41.17 2.09 0.00 | 42.93 2.29 0.00 | 40.83 1.90 0.00 | 49.62 2.51 0.00 | 60.64 2.56 0.00 | 74.37 2.82 0.00 | 62.64 2.84 0.00 | 37.30 1.50 -1.75 | 27.76 0.94 -2.24 | 28.30 0.85 -1.45 | 45.67 1.94 0.00 |
| ERIE_WT_PWR 323693 | 36.16 1.25 0.00 | 28.03 0.80 0.00 | 26.51 0.65 0.00 | 23.54 0.46 -0.06 | 21.78 0.49 0.00 | 23.26 0.51 0.00 | 25.64 0.77 0.00 | 31.57 0.97 0.00 | 30.62 1.08 0.00 | 29.83 1.25 0.00 | 30.22 0.99 -0.38 | 25.53 1.09 0.00 | 35.27 1.61 0.00 | 40.78 1.69 0.00 | 42.52 1.89 0.00 | 40.40 1.47 0.00 | 49.10 1.99 0.00 | 60.04 1.96 0.00 | 73.63 2.07 0.00 | 62.06 2.27 0.00 | 36.98 1.20 -1.72 | 27.54 0.76 -2.21 | 28.09 0.66 -1.43 | 45.35 1.62 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 37.13 2.22 0.00 | 28.80 1.56 0.00 | 27.30 1.45 0.00 | 24.16 1.25 0.11 | 22.49 1.20 0.00 | 24.05 1.29 0.00 | 26.46 1.59 0.00 | 32.75 2.15 0.00 | 31.67 2.14 0.00 | 30.66 2.08 0.00 | 30.16 1.99 0.69 | 26.21 1.77 0.00 | 36.10 2.43 0.00 | 41.85 2.76 0.00 | 43.47 2.83 0.00 | 41.50 2.57 0.00 | 50.61 3.50 0.00 | 62.37 4.29 0.00 | 76.96 5.41 0.00 | 64.56 4.77 0.00 | 60.79 2.72 -24.01 | 57.28 1.87 -30.83 | 47.81 1.88 -19.93 | 46.91 3.19 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 36.86 1.10 -0.85 | 28.03 0.73 -0.07 | 26.48 0.62 0.00 | 23.64 0.55 -0.08 | 21.83 0.54 0.00 | 23.38 0.62 0.00 | 25.69 0.76 -0.06 | 31.59 1.00 0.00 | 30.81 1.05 -0.22 | 29.92 1.07 -0.26 | 30.61 1.00 -0.76 | 25.39 0.95 0.00 | 35.05 1.38 0.00 | 40.75 1.66 0.00 | 42.35 1.71 0.00 | 40.52 1.59 0.00 | 49.28 2.16 0.00 | 60.79 2.71 0.00 | 75.18 3.63 0.00 | 62.88 3.09 0.00 | 38.23 1.68 -2.50 | 28.88 1.10 -3.21 | 29.15 1.08 -2.08 | 45.36 1.63 0.00 |
| ETNA____115KV_TB2 80207 | 36.86 1.10 -0.85 | 28.03 0.73 -0.07 | 26.48 0.62 0.00 | 23.64 0.55 -0.08 | 21.83 0.54 0.00 | 23.38 0.62 0.00 | 25.69 0.76 -0.06 | 31.59 1.00 0.00 | 30.81 1.05 -0.22 | 29.92 1.07 -0.26 | 30.61 1.00 -0.76 | 25.39 0.95 0.00 | 35.05 1.38 0.00 | 40.75 1.66 0.00 | 42.35 1.71 0.00 | 40.52 1.59 0.00 | 49.28 2.16 0.00 | 60.79 2.71 0.00 | 75.18 3.63 0.00 | 62.88 3.09 0.00 | 38.23 1.68 -2.50 | 28.88 1.10 -3.21 | 29.15 1.08 -2.08 | 45.36 1.63 0.00 |
| EUCLID____115KV_TB2 356179 | 35.33 -0.27 -0.70 | 27.02 -0.27 -0.05 | 25.55 -0.31 0.00 | 22.76 -0.29 -0.03 | 21.05 -0.24 0.00 | 22.51 -0.24 0.00 | 24.69 -0.22 -0.05 | 30.35 -0.24 0.00 | 29.56 -0.16 -0.18 | 28.72 -0.07 -0.22 | 29.20 -0.06 -0.41 | 24.45 0.01 0.00 | 33.74 0.07 0.00 | 39.19 0.11 0.00 | 40.75 0.10 0.00 | 39.03 0.10 0.00 | 47.81 0.20 -0.49 | 61.03 0.21 -2.73 | 71.78 0.23 0.00 | 59.99 0.19 0.00 | 34.08 0.02 0.00 | 24.52 -0.05 0.00 | 25.89 -0.11 0.00 | 43.49 -0.24 0.00 |
| E_CANADA_CAP_HY 24051 | 37.62 2.71 0.00 | 29.18 1.94 0.00 | 27.68 1.83 0.00 | 25.22 1.58 -0.62 | 22.78 1.49 0.00 | 24.36 1.61 0.00 | 26.82 1.95 0.00 | 33.12 2.53 0.00 | 31.96 2.43 0.00 | 30.87 2.29 0.00 | 34.93 2.15 -3.93 | 27.75 1.89 -1.41 | 36.21 2.54 0.00 | 41.88 2.79 0.00 | 43.42 2.78 0.00 | 41.39 2.46 0.00 | 50.49 3.38 0.00 | 62.28 4.20 0.00 | 77.03 5.48 0.00 | 64.87 5.08 0.00 | 66.98 3.08 -29.84 | 65.07 2.18 -38.32 | 52.98 2.20 -24.77 | 47.51 3.78 0.00 |
| E_CANADA_MHWK_HY 24050 | 35.69 0.78 0.00 | 27.89 0.66 0.00 | 26.50 0.64 0.00 | 23.62 0.61 0.00 | 21.77 0.48 0.00 | 23.34 0.58 0.00 | 25.41 0.55 0.00 | 31.06 0.47 0.00 | 30.12 0.58 0.00 | 29.25 0.67 0.00 | 29.81 0.96 0.00 | 25.54 0.93 -0.16 | 35.06 1.39 0.00 | 40.72 1.63 0.00 | 41.99 1.35 0.00 | 40.26 1.33 0.00 | 48.91 1.43 -0.37 | 63.07 2.04 -2.94 | 75.39 2.97 -0.87 | 62.16 2.36 0.00 | 35.66 1.60 0.00 | 25.72 1.15 0.00 | 27.17 1.17 0.00 | 45.00 1.27 0.00 |
| E_FISHKILL____LBMP 23776 | 37.01 2.10 0.00 | 28.93 1.70 0.00 | 27.39 1.54 0.00 | 24.81 1.40 -0.39 | 22.53 1.24 0.00 | 24.01 1.25 0.00 | 26.23 1.36 0.00 | 32.30 1.70 0.00 | 31.52 1.98 0.00 | 30.64 2.06 0.00 | 33.74 2.40 -2.49 | 30.03 2.10 -3.49 | 36.48 2.81 0.00 | 42.52 3.43 0.00 | 44.19 3.56 0.00 | 42.36 3.43 0.00 | 51.27 4.15 0.00 | 63.19 5.10 0.00 | 77.46 5.91 0.00 | 64.32 4.53 0.00 | 47.64 2.56 -11.03 | 40.50 1.77 -14.16 | 37.09 1.93 -9.16 | 46.38 2.65 0.00 |
| FALCON____SEABRD_CC1 323796 | 32.65 -2.26 0.00 | 25.47 -1.77 0.00 | 24.90 -0.95 0.00 | 21.99 -1.03 0.00 | 20.22 -1.07 0.00 | 21.63 -1.13 0.00 | 23.51 -1.36 0.00 | 28.89 -1.70 0.00 | 27.86 -1.67 0.00 | 26.80 -1.79 0.00 | 26.58 -2.27 0.00 | 18.18 -2.21 4.06 | 30.52 -3.14 0.00 | 35.45 -3.63 0.00 | 37.19 -3.45 0.00 | 35.78 -3.15 0.00 | 41.34 -3.95 1.83 | 21.45 -5.24 31.39 | 44.43 -5.53 21.60 | 55.61 -4.19 0.00 | 31.70 -2.35 0.00 | 23.00 -1.57 0.00 | 24.33 -1.67 0.00 | 41.62 -2.11 0.00 |
| FALCON____SEABRD_CC2 323797 | 32.65 -2.26 0.00 | 25.47 -1.77 0.00 | 24.90 -0.95 0.00 | 21.99 -1.03 0.00 | 20.22 -1.07 0.00 | 21.63 -1.13 0.00 | 23.51 -1.36 0.00 | 28.89 -1.70 0.00 | 27.86 -1.67 0.00 | 26.80 -1.79 0.00 | 26.58 -2.27 0.00 | 18.18 -2.21 4.06 | 30.52 -3.14 0.00 | 35.45 -3.63 0.00 | 37.19 -3.45 0.00 | 35.78 -3.15 0.00 | 41.34 -3.95 1.83 | 21.45 -5.24 31.39 | 44.43 -5.53 21.60 | 55.61 -4.19 0.00 | 31.70 -2.35 0.00 | 23.00 -1.57 0.00 | 24.33 -1.67 0.00 | 41.62 -2.11 0.00 |
| FAR ROCKAWAY____4 23548 | 73.24 3.68 -34.65 | 30.10 2.87 0.00 | 28.42 2.56 0.00 | 25.64 2.25 -0.38 | 23.30 2.01 0.00 | 24.80 2.05 0.00 | 27.02 2.15 0.00 | 33.39 2.79 0.00 | 32.76 3.22 0.00 | 36.58 3.36 -4.64 | 70.47 3.76 -37.87 | 112.00 3.15 -84.41 | 128.23 4.26 -90.31 | 130.79 5.17 -86.53 | 134.80 5.42 -88.74 | 140.33 5.22 -96.18 | 142.15 6.37 -88.66 | 137.37 7.87 -71.42 | 183.31 9.35 -102.41 | 173.37 7.47 -106.10 | 124.41 4.02 -86.34 | 43.39 2.65 -16.17 | 41.19 2.85 -12.34 | 47.75 4.02 0.00 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 37.48 2.57 0.00 | 29.34 2.11 0.00 | 27.74 1.88 0.00 | 25.11 1.71 -0.38 | 22.80 1.51 0.00 | 24.25 1.49 0.00 | 26.55 1.68 0.00 | 32.78 2.18 0.00 | 32.05 2.52 0.00 | 31.20 2.61 0.00 | 34.22 2.95 -2.42 | 36.04 2.62 -8.98 | 37.17 3.50 0.00 | 43.35 4.26 0.00 | 45.05 4.42 0.00 | 43.19 4.25 0.00 | 52.31 5.20 0.00 | 64.43 6.34 0.00 | 78.84 7.28 0.00 | 65.33 5.53 0.00 | 47.88 3.08 -10.74 | 40.48 2.11 -13.79 | 37.24 2.32 -8.92 | 46.96 3.24 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 37.52 2.61 0.00 | 29.38 2.14 0.00 | 27.77 1.91 0.00 | 25.14 1.74 -0.38 | 22.82 1.54 0.00 | 24.27 1.52 0.00 | 26.58 1.71 0.00 | 32.80 2.21 0.00 | 32.08 2.54 0.00 | 31.22 2.64 0.00 | 34.25 2.98 -2.42 | 36.06 2.64 -8.98 | 37.20 3.54 0.00 | 43.39 4.30 0.00 | 45.10 4.46 0.00 | 43.23 4.30 0.00 | 52.37 5.26 0.00 | 64.50 6.41 0.00 | 78.93 7.38 0.00 | 65.41 5.61 0.00 | 47.92 3.12 -10.74 | 40.51 2.14 -13.79 | 37.28 2.36 -8.92 | 47.02 3.29 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 37.45 2.54 0.00 | 29.32 2.09 0.00 | 27.72 1.86 0.00 | 25.09 1.69 -0.38 | 22.79 1.50 0.00 | 24.23 1.48 0.00 | 26.54 1.67 0.00 | 32.76 2.16 0.00 | 32.03 2.50 0.00 | 31.17 2.59 0.00 | 34.20 2.93 -2.42 | 36.02 2.59 -8.98 | 37.13 3.47 0.00 | 43.31 4.22 0.00 | 45.01 4.38 0.00 | 43.15 4.22 0.00 | 52.26 5.15 0.00 | 64.38 6.29 0.00 | 78.77 7.22 0.00 | 65.26 5.47 0.00 | 47.85 3.05 -10.74 | 40.45 2.09 -13.79 | 37.21 2.29 -8.92 | 46.93 3.20 0.00 |

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|--------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| FARRAGUT___LBMP 323566 | 37.41 2.50 0.00 | 29.30 2.06 0.00 | 27.69 1.84 0.00 | 25.07 1.67 -0.38 | 22.76 1.47 0.00 | 24.21 1.45 0.00 | 26.51 1.64 0.00 | 32.72 2.12 0.00 | 31.99 2.45 0.00 | 31.13 2.55 0.00 | 34.16 2.89 -2.42 | 35.98 2.55 -8.98 | 37.09 3.43 0.00 | 43.25 4.16 0.00 | 44.96 4.32 0.00 | 43.10 4.16 0.00 | 52.20 5.09 0.00 | 64.29 6.20 0.00 | 78.67 7.11 0.00 | 65.20 5.41 0.00 | 47.81 3.01 -10.74 | 40.43 2.06 -13.79 | 37.19 2.27 -8.92 | 46.88 3.15 0.00 |
| FENNER___WINDPWR 24204 | 36.49 0.92 -0.65 | 27.89 0.61 -0.05 | 26.35 0.49 0.00 | 23.50 0.44 -0.04 | 21.74 0.45 0.00 | 23.31 0.55 0.00 | 25.60 0.69 -0.04 | 31.46 0.86 0.00 | 30.51 0.80 -0.17 | 29.52 0.74 -0.20 | 30.04 0.72 -0.47 | 25.11 0.67 0.00 | 34.65 0.98 0.00 | 40.35 1.26 0.00 | 41.92 1.28 0.00 | 40.10 1.17 0.00 | 49.37 1.56 -0.70 | 63.96 1.97 -3.91 | 74.14 2.59 0.00 | 61.99 2.19 0.00 | 36.42 1.20 -1.16 | 26.89 0.82 -1.49 | 27.89 0.92 -0.96 | 45.11 1.39 0.00 |
| FIBERTEK___ENERGY 23856 | 36.54 0.11 -1.51 | 27.37 0.02 -0.12 | 25.82 -0.04 0.00 | 23.02 -0.04 -0.04 | 21.27 -0.01 0.00 | 22.75 0.00 0.00 | 24.97 0.00 -0.10 | 30.58 -0.01 0.00 | 29.96 0.03 -0.40 | 29.17 0.12 -0.47 | 29.68 0.14 -0.70 | 24.62 0.18 0.00 | 33.99 0.32 0.00 | 39.50 0.41 0.00 | 41.05 0.41 0.00 | 39.31 0.37 0.00 | 48.09 0.55 -0.42 | 61.12 0.68 -2.36 | 72.41 0.86 0.00 | 60.49 0.70 0.00 | 35.30 0.29 -0.96 | 25.94 0.14 -1.23 | 26.86 0.07 -0.79 | 43.82 0.09 0.00 |
| FITZPATRICK____ 23598 | 25.72 -0.90 8.30 | 25.86 -0.74 0.63 | 25.13 -0.73 0.00 | 22.37 -0.66 -0.02 | 20.70 -0.59 0.00 | 22.13 -0.62 0.00 | 23.64 -0.66 0.56 | 29.82 -0.78 0.00 | 26.64 -0.72 2.18 | 25.37 -0.64 2.57 | 25.79 -0.65 2.41 | 23.93 -0.52 0.00 | 32.97 -0.69 0.00 | 38.30 -0.79 0.00 | 39.82 -0.82 0.00 | 38.15 -0.78 0.00 | 46.24 -0.88 0.00 | 56.95 -1.13 0.00 | 70.15 -1.40 0.00 | 58.65 -1.15 0.00 | 33.33 -0.72 0.00 | 24.01 -0.56 0.00 | 25.38 -0.62 0.00 | 42.69 -1.04 0.00 |
| FLOWRFLD_69_KV_BK1 356044 | 55.20 3.59 -16.70 | 30.02 2.79 0.00 | 28.35 2.49 0.00 | 25.51 2.11 -0.38 | 23.21 1.92 0.00 | 24.73 1.98 0.00 | 26.97 2.10 0.00 | 33.37 2.77 0.00 | 32.70 3.16 0.00 | 36.68 3.47 -4.64 | 70.54 3.83 -37.87 | 113.02 3.44 -85.14 | 143.59 4.67 -105.25 | 203.89 5.52 -159.29 | 156.94 5.55 -110.75 | 203.25 5.27 -159.04 | 270.59 6.35 -217.13 | 331.53 7.79 -265.66 | 347.20 8.90 -266.74 | 182.86 6.96 -116.10 | 152.18 4.10 -114.02 | 126.30 2.97 -98.75 | 76.26 3.38 -46.88 | 75.61 4.89 -26.99 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 37.59 2.68 0.00 | 29.33 2.10 0.00 | 27.76 1.91 0.00 | 25.11 1.72 -0.38 | 22.81 1.53 0.00 | 24.33 1.58 0.00 | 26.61 1.74 0.00 | 32.80 2.21 0.00 | 32.03 2.49 0.00 | 31.20 2.61 0.00 | 34.27 2.99 -2.43 | 27.07 2.63 0.00 | 37.25 3.59 0.00 | 43.45 4.36 0.00 | 45.19 4.55 0.00 | 43.34 4.41 0.00 | 52.53 5.42 0.00 | 64.78 6.69 0.00 | 79.44 7.88 0.00 | 65.94 6.14 0.00 | 48.36 3.42 -10.87 | 40.88 2.34 -13.96 | 37.52 2.49 -9.03 | 47.26 3.54 0.00 |
| FORT ORANGE____ 23900 | 35.92 1.01 0.00 | 28.15 0.91 0.00 | 26.75 0.89 0.00 | 24.33 0.83 -0.48 | 22.00 0.71 0.00 | 23.54 0.78 0.00 | 25.64 0.77 0.00 | 31.34 0.74 0.00 | 30.33 0.79 0.00 | 29.29 0.71 0.00 | 32.77 0.84 -3.09 | 27.16 0.70 -2.02 | 17.60 0.98 17.05 | 35.77 1.20 4.52 | 41.79 1.15 0.00 | 40.11 1.18 0.00 | 48.36 1.25 0.00 | 59.69 1.60 0.00 | 73.56 2.00 0.00 | 61.43 1.64 0.00 | 57.97 1.08 -22.84 | 54.67 0.77 -29.33 | 45.78 0.82 -18.96 | 44.58 0.86 0.00 |
| FORT_DRUM_COGEN 23780 | 36.86 0.75 -1.20 | 27.52 0.19 -0.09 | 25.97 0.11 0.00 | 23.03 0.00 -0.02 | 21.56 0.27 0.00 | 23.24 0.49 0.00 | 25.68 0.73 -0.08 | 31.61 1.01 0.00 | 30.67 0.82 -0.32 | 29.58 0.63 -0.37 | 29.80 0.47 -0.49 | 23.73 0.10 0.81 | 33.75 0.08 0.00 | 39.75 0.66 0.00 | 41.08 0.44 0.00 | 38.84 -0.09 0.00 | 52.08 0.17 -4.79 | 81.22 0.44 -22.70 | 68.59 1.36 4.33 | 61.46 1.66 0.00 | 34.83 0.77 0.00 | 25.07 0.49 0.00 | 26.81 0.81 0.00 | 44.98 1.25 0.00 |
| FPL_FAR_ROCK_GT1 24212 | 73.24 3.67 -34.65 | 30.10 2.87 0.00 | 28.42 2.56 0.00 | 25.64 2.25 -0.38 | 23.30 2.01 0.00 | 24.80 2.04 0.00 | 27.02 2.15 0.00 | 33.39 2.79 0.00 | 32.76 3.22 0.00 | 36.58 3.36 -4.64 | 70.47 3.75 -37.87 | 111.99 3.14 -84.41 | 128.23 4.25 -90.31 | 130.79 5.17 -86.53 | 134.80 5.42 -88.74 | 140.33 5.22 -96.18 | 142.15 6.37 -88.66 | 137.37 7.87 -71.42 | 183.31 9.35 -102.41 | 173.38 7.47 -106.11 | 124.41 4.01 -86.34 | 43.39 2.65 -16.17 | 41.19 2.85 -12.34 | 47.75 4.02 0.00 |
| FPL_FAR_ROCK_GT2 23815 | 73.24 3.67 -34.65 | 30.10 2.87 0.00 | 28.42 2.56 0.00 | 25.64 2.25 -0.38 | 23.30 2.01 0.00 | 24.80 2.04 0.00 | 27.02 2.15 0.00 | 33.39 2.79 0.00 | 32.76 3.22 0.00 | 36.58 3.36 -4.64 | 70.47 3.75 -37.87 | 111.99 3.14 -84.41 | 128.23 4.25 -90.31 | 130.79 5.17 -86.53 | 134.80 5.42 -88.74 | 140.33 5.22 -96.18 | 142.15 6.37 -88.66 | 137.37 7.87 -71.42 | 183.31 9.35 -102.41 | 173.38 7.47 -106.11 | 124.41 4.01 -86.34 | 43.39 2.65 -16.17 | 41.19 2.85 -12.34 | 47.75 4.02 0.00 |
| FRANKLIN_FALL_HYD 24054 | 33.62 -1.29 0.00 | 26.19 -1.05 0.00 | 25.11 -0.74 0.00 | 22.23 -0.78 0.00 | 20.50 -0.79 0.00 | 21.95 -0.81 0.00 | 24.06 -0.81 0.00 | 29.72 -0.88 0.00 | 28.57 -0.96 0.00 | 27.47 -1.12 0.00 | 27.32 -1.53 0.00 | 19.12 -1.53 3.80 | 31.52 -2.15 0.00 | 36.64 -2.45 0.00 | 38.25 -2.39 0.00 | 36.69 -2.24 0.00 | 41.08 -2.85 3.19 | 16.76 -3.65 37.68 | 47.69 -3.65 20.22 | 57.03 -2.76 0.00 | 32.44 -1.61 0.00 | 23.64 -0.93 0.00 | 25.08 -0.92 0.00 | 42.76 -0.97 0.00 |
| FREEPORT_EQUS_GT1 23764 | 60.66 3.25 -22.51 | 29.87 2.63 0.00 | 28.23 2.37 0.00 | 25.47 2.08 -0.38 | 23.16 1.87 0.00 | 24.65 1.90 0.00 | 26.86 2.00 0.00 | 33.18 2.58 0.00 | 32.51 2.97 0.00 | 36.27 3.05 -4.64 | 70.03 3.31 -37.87 | 111.80 2.95 -84.41 | 127.96 3.99 -90.31 | 130.44 4.82 -86.53 | 134.33 4.96 -88.73 | 139.91 4.79 -96.18 | 141.66 5.88 -88.66 | 136.76 7.25 -71.42 | 182.45 8.49 -102.41 | 172.47 6.57 -106.10 | 124.08 3.68 -86.34 | 43.31 2.57 -16.17 | 41.15 2.81 -12.34 | 47.63 3.90 0.00 |
| FREEPORT___CT2 23818 | 60.66 3.25 -22.51 | 29.87 2.63 0.00 | 28.23 2.37 0.00 | 25.47 2.08 -0.38 | 23.16 1.87 0.00 | 24.65 1.90 0.00 | 26.86 2.00 0.00 | 33.18 2.58 0.00 | 32.51 2.97 0.00 | 36.27 3.05 -4.64 | 70.03 3.31 -37.87 | 111.80 2.95 -84.41 | 127.96 3.99 -90.31 | 130.44 4.82 -86.53 | 134.33 4.96 -88.73 | 139.91 4.79 -96.18 | 141.66 5.88 -88.66 | 136.76 7.25 -71.42 | 182.45 8.49 -102.41 | 172.47 6.57 -106.10 | 124.08 3.68 -86.34 | 43.31 2.57 -16.17 | 41.15 2.81 -12.34 | 47.63 3.90 0.00 |
| FRESHKLS_33_KV_LOAD 356253 | 36.95 2.55 0.52 | 29.39 2.15 -0.01 | 27.78 1.93 0.00 | 25.15 1.75 -0.38 | 22.81 1.52 0.00 | 24.27 1.52 0.00 | 26.57 1.70 0.00 | 32.76 2.17 0.00 | 32.08 2.55 0.00 | 31.12 2.54 0.00 | 34.13 2.86 -2.42 | 35.93 2.51 -8.98 | 36.89 3.23 0.00 | 41.13 3.97 1.93 | 44.77 4.12 -0.01 | 43.00 4.06 -0.01 | 52.14 5.02 -0.01 | 64.15 6.06 0.00 | 78.36 6.80 0.00 | 65.04 5.25 0.00 | 47.71 2.91 -10.74 | 40.11 1.97 -13.56 | 35.30 2.19 -7.11 | 37.59 2.98 9.12 |
| FULTON COGEN____ 23766 | 37.25 -0.37 -2.72 | 27.10 -0.35 -0.21 | 25.48 -0.37 0.00 | 22.70 -0.34 -0.03 | 21.00 -0.29 0.00 | 22.46 -0.29 0.00 | 24.77 -0.28 -0.18 | 30.28 -0.32 0.00 | 29.99 -0.27 -0.71 | 29.24 -0.19 -0.84 | 29.68 -0.18 -1.02 | 24.36 -0.08 0.00 | 33.59 -0.08 0.00 | 39.01 -0.08 0.00 | 40.52 -0.11 0.00 | 38.82 -0.11 0.00 | 47.64 -0.06 -0.59 | 61.32 -0.07 -3.31 | 71.49 -0.06 0.00 | 59.80 0.00 0.00 | 33.96 -0.10 0.00 | 24.44 -0.13 0.00 | 25.81 -0.19 0.00 | 43.36 -0.37 0.00 |

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| FULTON___LFGE 323630 | 38.68 3.77 0.00 | 30.04 2.81 0.00 | 28.52 2.67 0.00 | 25.97 2.37 -0.58 | 23.45 2.16 0.00 | 25.09 2.33 0.00 | 27.49 2.62 0.00 | 33.40 2.80 0.00 | 32.15 2.61 0.00 | 30.57 1.99 0.00 | 34.71 2.17 -3.69 | 27.79 1.75 -1.60 | 36.63 2.97 0.00 | 41.71 2.63 0.00 | 42.92 2.28 0.00 | 41.11 2.18 0.00 | 50.47 3.35 0.00 | 62.71 4.62 0.00 | 79.18 7.63 0.00 | 67.46 7.67 0.00 | 70.89 4.50 -32.33 | 69.26 3.18 -41.52 | 56.05 3.20 -26.84 | 48.82 5.09 0.00 |
| G.F.CEMENT___DRP 24184 | 37.52 2.62 0.00 | 29.18 1.94 0.00 | 27.75 1.90 0.00 | 25.22 1.70 -0.51 | 22.79 1.50 0.00 | 24.45 1.70 0.00 | 26.76 1.89 0.00 | 32.85 2.25 0.00 | 31.84 2.31 0.00 | 30.79 2.21 0.00 | 34.45 2.37 -3.23 | 28.53 2.10 -1.99 | 36.57 2.91 0.00 | 42.45 3.36 0.00 | 43.99 3.35 0.00 | 42.27 3.34 0.00 | 50.97 3.85 0.00 | 63.06 4.97 0.00 | 78.42 6.87 0.00 | 65.36 5.56 0.00 | 71.87 3.42 -34.39 | 71.24 2.51 -44.16 | 57.09 2.53 -28.55 | 47.41 3.68 0.00 |
| GARDENVILLE___LBMP 24039 | 36.04 1.13 0.00 | 27.96 0.72 0.00 | 26.43 0.57 0.00 | 23.46 0.39 -0.06 | 21.71 0.42 0.00 | 23.19 0.43 0.00 | 25.56 0.70 0.00 | 31.45 0.86 0.00 | 30.49 0.95 0.00 | 29.72 1.14 0.00 | 30.09 0.86 -0.38 | 25.39 0.95 0.00 | 35.09 1.42 0.00 | 40.58 1.50 0.00 | 42.30 1.66 0.00 | 40.21 1.28 0.00 | 48.87 1.75 0.00 | 59.72 1.64 0.00 | 73.27 1.71 0.00 | 61.74 1.95 0.00 | 36.80 1.03 -1.71 | 27.40 0.63 -2.20 | 27.98 0.55 -1.42 | 45.19 1.46 0.00 |
| GARDNVLA_35_KV_LD 355827 | 36.23 1.32 0.00 | 28.09 0.86 0.00 | 26.55 0.69 0.00 | 23.56 0.49 -0.06 | 21.80 0.51 0.00 | 23.29 0.53 0.00 | 25.67 0.81 0.00 | 31.60 1.01 0.00 | 30.65 1.11 0.00 | 29.89 1.31 0.00 | 30.28 1.05 -0.38 | 25.57 1.13 0.00 | 35.36 1.69 0.00 | 40.89 1.80 0.00 | 42.62 1.98 0.00 | 40.52 1.58 0.00 | 49.26 2.15 0.00 | 60.22 2.13 0.00 | 73.85 2.30 0.00 | 62.23 2.43 0.00 | 37.07 1.29 -1.72 | 27.61 0.82 -2.21 | 28.17 0.74 -1.43 | 45.47 1.74 0.00 |
| GELCKHM___115KV_LOAD 80723 | 35.78 -0.12 -1.00 | 27.15 -0.16 -0.08 | 25.65 -0.20 0.00 | 22.86 -0.18 -0.03 | 21.13 -0.15 0.00 | 22.60 -0.15 0.00 | 24.80 -0.14 -0.07 | 30.44 -0.16 0.00 | 29.70 -0.10 -0.26 | 28.89 0.00 -0.31 | 29.37 0.01 -0.52 | 24.51 0.06 0.00 | 33.81 0.14 0.00 | 39.29 0.20 0.00 | 40.84 0.20 0.00 | 39.12 0.19 0.00 | 47.89 0.32 -0.46 | 61.02 0.37 -2.56 | 72.00 0.44 0.00 | 60.16 0.36 0.00 | 34.16 0.10 0.00 | 24.58 0.01 0.00 | 25.95 -0.05 0.00 | 43.61 -0.12 0.00 |
| GENERAL___MILLS 23808 | 36.30 1.24 -0.15 | 28.03 0.80 0.00 | 26.49 0.63 0.00 | 23.51 0.44 -0.06 | 21.76 0.47 0.00 | 23.24 0.49 0.00 | 25.62 0.75 0.00 | 31.53 0.93 0.00 | 30.57 1.04 0.00 | 29.81 1.23 0.00 | 30.19 0.96 -0.38 | 25.48 1.04 0.00 | 35.22 1.56 0.00 | 40.73 1.64 0.00 | 42.45 1.82 0.00 | 40.36 1.43 0.00 | 49.05 1.94 0.00 | 59.96 1.88 0.00 | 73.54 1.99 0.00 | 61.99 2.19 0.00 | 36.93 1.15 -1.72 | 27.51 0.73 -2.21 | 28.08 0.65 -1.43 | 45.34 1.61 0.00 |
| GE_PLASTICS___DRP 24183 | 36.04 1.13 0.00 | 28.23 0.99 0.00 | 26.83 0.97 0.00 | 24.41 0.91 -0.48 | 22.07 0.79 0.00 | 23.61 0.85 0.00 | 25.71 0.85 0.00 | 31.44 0.84 0.00 | 30.37 0.83 0.00 | 29.34 0.75 0.00 | 32.80 0.86 -3.09 | 27.15 0.70 -2.01 | -283.98 0.93 318.58 | -44.32 1.08 84.49 | 41.72 1.08 0.00 | 40.03 1.09 0.00 | 48.30 1.18 0.00 | 59.53 1.44 0.00 | 73.27 1.72 0.00 | 61.14 1.34 0.00 | 55.69 0.88 -20.76 | 51.87 0.65 -26.65 | 43.96 0.73 -17.23 | 44.46 0.74 0.00 |
| GILBOA___1 23756 | 36.16 1.25 0.00 | 28.25 1.02 0.00 | 26.90 1.04 0.00 | 24.43 1.04 -0.37 | 22.22 0.93 0.00 | 23.73 0.97 0.00 | 25.76 0.89 0.00 | 31.60 1.00 0.00 | 30.69 1.16 0.00 | 29.77 1.18 0.00 | 32.59 1.37 -2.38 | 26.91 1.19 -1.28 | 35.29 1.63 0.00 | 40.96 1.87 0.00 | 42.54 1.91 0.00 | 40.76 1.83 0.00 | 49.29 2.17 0.00 | 60.59 2.50 0.00 | 74.42 2.87 0.00 | 62.16 2.36 0.00 | 45.40 1.50 -9.84 | 38.27 1.06 -12.64 | 35.32 1.15 -8.17 | 45.25 1.52 0.00 |
| GILBOA___2 23757 | 36.16 1.25 0.00 | 28.25 1.02 0.00 | 26.90 1.04 0.00 | 24.43 1.04 -0.37 | 22.22 0.93 0.00 | 23.73 0.97 0.00 | 25.76 0.89 0.00 | 31.60 1.00 0.00 | 30.69 1.16 0.00 | 29.77 1.18 0.00 | 32.59 1.37 -2.38 | 26.91 1.19 -1.28 | 35.29 1.63 0.00 | 40.96 1.87 0.00 | 42.54 1.91 0.00 | 40.76 1.83 0.00 | 49.29 2.17 0.00 | 60.59 2.50 0.00 | 74.42 2.87 0.00 | 62.16 2.36 0.00 | 45.40 1.50 -9.84 | 38.27 1.06 -12.64 | 35.32 1.15 -8.17 | 45.25 1.52 0.00 |
| GILBOA___3 23758 | 36.16 1.25 0.00 | 28.25 1.02 0.00 | 26.90 1.04 0.00 | 24.43 1.04 -0.37 | 22.22 0.93 0.00 | 23.73 0.97 0.00 | 25.76 0.89 0.00 | 31.60 1.00 0.00 | 30.69 1.16 0.00 | 29.77 1.18 0.00 | 32.59 1.37 -2.38 | 26.91 1.19 -1.28 | 35.29 1.63 0.00 | 40.96 1.87 0.00 | 42.54 1.91 0.00 | 40.76 1.83 0.00 | 49.29 2.17 0.00 | 60.59 2.50 0.00 | 74.42 2.87 0.00 | 62.16 2.36 0.00 | 45.40 1.50 -9.84 | 38.27 1.06 -12.64 | 35.32 1.15 -8.17 | 45.25 1.52 0.00 |
| GILBOA___4 23759 | 36.16 1.25 0.00 | 28.25 1.02 0.00 | 26.90 1.04 0.00 | 24.43 1.04 -0.37 | 22.22 0.93 0.00 | 23.73 0.97 0.00 | 25.76 0.89 0.00 | 31.60 1.00 0.00 | 30.69 1.16 0.00 | 29.77 1.18 0.00 | 32.59 1.37 -2.38 | 26.91 1.19 -1.28 | 35.29 1.63 0.00 | 40.96 1.87 0.00 | 42.54 1.91 0.00 | 40.76 1.83 0.00 | 49.29 2.17 0.00 | 60.59 2.50 0.00 | 74.42 2.87 0.00 | 62.16 2.36 0.00 | 45.40 1.50 -9.84 | 38.27 1.06 -12.64 | 35.32 1.15 -8.17 | 45.25 1.52 0.00 |
| GILBOA___ 23599 | 36.17 1.26 0.00 | 28.25 1.02 0.00 | 26.90 1.04 0.00 | 24.43 1.04 -0.37 | 22.22 0.93 0.00 | 23.73 0.97 0.00 | 25.76 0.90 0.00 | 31.60 1.00 0.00 | 30.69 1.16 0.00 | 29.77 1.19 0.00 | 32.59 1.37 -2.38 | 26.91 1.19 -1.28 | 35.29 1.63 0.00 | 40.96 1.87 0.00 | 42.55 1.91 0.00 | 40.76 1.83 0.00 | 49.29 2.18 0.00 | 60.59 2.50 0.00 | 74.42 2.87 0.00 | 62.15 2.36 0.00 | 45.40 1.50 -9.84 | 38.27 1.06 -12.64 | 35.32 1.14 -8.17 | 45.24 1.52 0.00 |
| GINNA___ 23603 | 34.13 -0.78 0.00 | 26.53 -0.71 0.00 | 25.08 -0.78 0.00 | 22.29 -0.77 -0.04 | 20.60 -0.69 0.00 | 22.03 -0.73 0.00 | 24.21 -0.65 0.00 | 29.86 -0.74 0.00 | 28.94 -0.59 0.00 | 28.16 -0.42 0.00 | 28.64 -0.47 -0.27 | 24.18 -0.26 0.00 | 33.40 -0.27 0.00 | 38.75 -0.34 0.00 | 40.35 -0.29 0.00 | 38.57 -0.36 0.00 | 46.80 -0.32 0.00 | 57.51 -0.58 0.00 | 70.67 -0.88 0.00 | 59.27 -0.53 0.00 | 34.78 -0.42 -1.14 | 25.65 -0.39 -1.47 | 26.41 -0.54 -0.95 | 42.95 -0.78 0.00 |
| GLEN PARK___ 23778 | 37.21 1.03 -1.26 | 27.73 0.40 -0.10 | 26.16 0.31 0.00 | 23.21 0.17 -0.02 | 21.72 0.43 0.00 | 23.42 0.66 0.00 | 25.89 0.94 -0.09 | 31.87 1.27 0.00 | 30.93 1.06 -0.33 | 29.84 0.87 -0.39 | 30.08 0.73 -0.51 | 24.01 0.33 0.77 | 34.11 0.44 0.00 | 40.20 1.11 0.00 | 41.48 0.85 0.00 | 39.19 0.26 0.00 | 52.26 0.60 -4.55 | 80.60 0.98 -21.54 | 69.52 2.06 4.10 | 62.10 2.30 0.00 | 35.20 1.14 0.00 | 25.34 0.77 0.00 | 27.07 1.07 0.00 | 45.39 1.67 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 37.60 2.70 0.00 | 29.41 2.18 0.00 | 27.80 1.94 0.00 | 25.18 1.79 -0.38 | 22.85 1.57 0.00 | 24.31 1.56 0.00 | 26.63 1.77 0.00 | 32.86 2.26 0.00 | 32.15 2.61 0.00 | 31.24 2.67 0.00 | 34.32 3.05 -2.42 | 36.12 2.70 -8.98 | 37.24 3.57 0.00 | 43.44 4.35 0.00 | 41.28 4.48 3.84 | 43.25 4.32 0.00 | 52.37 5.26 0.00 | 64.47 6.39 0.00 | 78.84 7.29 0.00 | 65.38 5.58 0.00 | 47.90 3.10 -10.74 | 40.51 2.14 -13.79 | 37.29 2.37 -8.92 | 47.08 3.35 0.00 |

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|----------------------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| GLENWOOD_IC_1_G5 23712 | 57.92 2.78 -20.23 | 29.45 2.21 0.00 | 27.85 1.99 0.00 | 25.31 1.92 -0.38 | 23.00 1.71 0.00 | 24.48 1.72 0.00 | 26.64 1.78 0.00 | 32.81 2.22 0.00 | 32.31 2.78 0.00 | 36.06 2.84 -4.64 | 69.84 3.12 -37.87 | 111.63 2.77 -84.41 | 127.74 3.77 -90.31 | 130.21 4.59 -86.53 | 134.14 4.77 -88.74 | 139.72 4.60 -96.18 | 141.38 5.61 -88.66 | 136.35 6.84 -71.42 | 181.89 7.92 -102.41 | 171.98 6.09 -106.10 | 123.81 3.41 -86.34 | 43.21 2.47 -16.17 | 40.98 2.64 -12.34 | 47.15 3.42 0.00 |
| GLENWOOD_IC_2_G1 23688 | 55.52 2.73 -17.88 | 29.41 2.18 0.00 | 27.82 1.96 0.00 | 25.16 1.77 -0.38 | 22.87 1.58 0.00 | 24.33 1.58 0.00 | 26.58 1.71 0.00 | 32.79 2.19 0.00 | 32.08 2.55 0.00 | 35.88 2.66 -4.64 | 69.75 3.04 -37.87 | 111.52 2.67 -84.41 | 127.59 3.61 -90.31 | 130.00 4.39 -86.53 | 133.92 4.55 -88.74 | 139.49 4.38 -96.18 | 141.12 5.35 -88.66 | 136.05 6.54 -71.42 | 181.56 7.60 -102.41 | 171.76 5.86 -106.10 | 123.67 3.27 -86.34 | 42.99 2.25 -16.17 | 40.79 2.44 -12.34 | 47.10 3.37 0.00 |
| GLENWOOD_IC_3_G1 23689 | 55.52 2.73 -17.88 | 29.41 2.18 0.00 | 27.82 1.96 0.00 | 25.16 1.77 -0.38 | 22.87 1.58 0.00 | 24.33 1.58 0.00 | 26.58 1.71 0.00 | 32.79 2.19 0.00 | 32.08 2.55 0.00 | 35.88 2.66 -4.64 | 69.75 3.04 -37.87 | 111.52 2.67 -84.41 | 127.59 3.61 -90.31 | 130.00 4.39 -86.53 | 133.92 4.55 -88.74 | 139.49 4.38 -96.18 | 141.12 5.35 -88.66 | 136.05 6.54 -71.42 | 181.56 7.60 -102.41 | 171.76 5.86 -106.10 | 123.67 3.27 -86.34 | 42.99 2.25 -16.17 | 40.79 2.44 -12.34 | 47.10 3.37 0.00 |
| GLENWOOD___4 23550 | 58.01 2.87 -20.23 | 29.52 2.28 0.00 | 27.90 2.04 0.00 | 25.31 1.92 -0.38 | 23.00 1.71 0.00 | 24.48 1.73 0.00 | 26.67 1.80 0.00 | 32.89 2.30 0.00 | 32.31 2.78 0.00 | 36.08 2.87 -4.64 | 69.91 3.19 -37.87 | 111.69 2.84 -84.41 | 127.83 3.86 -90.31 | 130.31 4.69 -86.53 | 134.24 4.87 -88.74 | 139.81 4.70 -96.18 | 141.50 5.72 -88.66 | 136.50 6.99 -71.42 | 182.07 8.11 -102.41 | 172.14 6.24 -106.10 | 123.89 3.49 -86.34 | 43.21 2.47 -16.17 | 40.99 2.64 -12.34 | 47.26 3.53 0.00 |
| GLENWOOD___5 23614 | 58.01 2.87 -20.23 | 29.52 2.28 0.00 | 27.90 2.04 0.00 | 25.31 1.92 -0.38 | 23.00 1.71 0.00 | 24.48 1.73 0.00 | 26.67 1.80 0.00 | 32.89 2.30 0.00 | 32.31 2.78 0.00 | 36.08 2.87 -4.64 | 69.91 3.19 -37.87 | 111.69 2.84 -84.41 | 127.83 3.86 -90.31 | 130.31 4.69 -86.53 | 134.24 4.87 -88.74 | 139.81 4.70 -96.18 | 141.50 5.72 -88.66 | 136.50 6.99 -71.42 | 182.07 8.11 -102.41 | 172.14 6.24 -106.10 | 123.89 3.49 -86.34 | 43.21 2.47 -16.17 | 40.99 2.64 -12.34 | 47.26 3.53 0.00 |
| GLOBAL GREEN_PORT_GT1 23814 | 56.83 5.27 -16.66 | 31.34 4.11 0.00 | 29.62 3.76 0.00 | 26.56 3.17 -0.38 | 24.17 2.89 0.00 | 25.76 3.00 0.00 | 28.07 3.21 0.00 | 34.84 4.24 0.00 | 34.21 4.68 0.00 | 38.32 5.10 -4.64 | 71.70 4.98 -37.87 | 114.00 4.39 -85.17 | 144.28 6.14 -104.47 | 201.51 7.33 -155.09 | 152.56 7.59 -104.33 | 193.16 7.34 -146.89 | 175.45 8.93 -119.40 | 200.58 11.07 -131.42 | 234.02 12.90 -149.56 | 181.07 10.09 -111.18 | 147.10 5.69 -107.35 | 122.86 3.95 -94.34 | 75.32 4.27 -45.05 | 83.69 6.39 -33.57 |
| GLOBE___DSASP 323697 | 35.17 0.26 0.00 | 27.34 0.11 0.00 | 25.83 -0.02 0.00 | 22.91 -0.16 -0.05 | 21.17 -0.12 0.00 | 22.59 -0.17 0.00 | 24.89 0.02 0.00 | 30.53 -0.07 0.00 | 29.55 0.01 0.00 | 28.78 0.20 0.00 | 29.06 -0.14 -0.35 | 24.48 0.03 0.00 | 33.71 0.05 0.00 | 38.75 -0.34 0.00 | 40.25 -0.39 0.00 | 38.36 -0.57 0.00 | 46.53 -0.59 0.00 | 56.71 -1.37 0.00 | 69.36 -2.20 0.00 | 58.77 -1.03 0.00 | 35.08 -0.54 -1.56 | 26.13 -0.44 -2.00 | 26.76 -0.54 -1.30 | 43.74 0.01 0.00 |
| GOETHSLN___LBMP 323567 | 36.68 2.29 0.52 | 29.15 1.92 0.00 | 27.56 1.70 0.00 | 24.93 1.53 -0.38 | 22.63 1.35 0.00 | 24.07 1.32 0.00 | 26.35 1.49 0.00 | 32.54 1.94 0.00 | 31.82 2.28 0.00 | 30.98 2.40 0.00 | 34.02 2.75 -2.42 | 35.85 2.43 -8.98 | 36.92 3.26 0.00 | 41.09 3.93 1.93 | 44.70 4.07 0.00 | 42.86 3.92 0.00 | 51.92 4.80 0.00 | 63.03 5.84 0.90 | 77.57 6.68 0.66 | 64.84 5.04 0.00 | 47.49 2.81 -10.62 | 40.06 1.92 -13.56 | 35.22 2.10 -7.11 | 37.85 2.85 8.72 |
| GOLAH___69_KV_TB 1_2 80279 | 36.15 1.24 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.34 0.58 0.00 | 25.69 0.82 0.00 | 31.61 1.02 0.00 | 30.65 1.11 0.00 | 29.76 1.18 0.00 | 30.10 0.97 -0.28 | 25.41 0.97 0.00 | 35.11 1.45 0.00 | 40.70 1.60 0.00 | 42.30 1.66 0.00 | 40.41 1.48 0.00 | 49.04 1.92 0.00 | 60.17 2.08 0.00 | 74.01 2.46 0.00 | 62.34 2.54 0.00 | 36.67 1.40 -1.22 | 27.07 0.94 -1.56 | 27.94 0.93 -1.01 | 45.46 1.74 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 36.87 1.73 -0.23 | 28.52 1.27 -0.02 | 27.03 1.17 0.00 | 24.14 1.06 -0.07 | 22.28 0.99 0.00 | 23.81 1.06 0.00 | 26.11 1.22 -0.02 | 32.22 1.62 0.00 | 31.31 1.72 -0.06 | 30.39 1.74 -0.07 | 31.13 1.79 -0.49 | 26.04 1.60 0.00 | 35.89 2.22 0.00 | 41.67 2.58 0.00 | 43.30 2.66 0.00 | 41.41 2.48 0.00 | 50.35 3.23 0.00 | 61.99 3.91 0.00 | 76.33 4.78 0.00 | 63.79 4.00 0.00 | 49.00 2.26 -12.69 | 42.40 1.53 -16.29 | 38.09 1.56 -10.53 | 46.15 2.42 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 36.28 0.80 -0.57 | 27.75 0.47 -0.04 | 26.24 0.39 0.00 | 23.47 0.35 -0.11 | 21.64 0.36 0.00 | 23.17 0.41 0.00 | 25.46 0.55 -0.04 | 31.33 0.74 0.00 | 30.54 0.85 -0.15 | 29.70 0.94 -0.18 | 30.65 0.92 -0.88 | 25.34 0.90 0.00 | 35.01 1.34 0.00 | 40.76 1.67 0.00 | 42.38 1.74 0.00 | 40.44 1.51 0.00 | 49.07 1.95 0.00 | 60.36 2.28 0.00 | 74.39 2.84 0.00 | 62.04 2.25 0.00 | 38.87 1.19 -3.62 | 29.95 0.73 -4.65 | 29.77 0.76 -3.00 | 44.85 1.12 0.00 |
| GOUDEY___7 23579 | 36.31 0.83 -0.57 | 27.78 0.50 -0.04 | 26.27 0.41 0.00 | 23.49 0.36 -0.11 | 21.67 0.38 0.00 | 23.19 0.44 0.00 | 25.48 0.57 -0.04 | 31.37 0.77 0.00 | 30.57 0.88 -0.15 | 29.74 0.98 -0.18 | 30.68 0.95 -0.88 | 25.38 0.94 0.00 | 35.06 1.40 0.00 | 40.82 1.73 0.00 | 42.46 1.82 0.00 | 40.51 1.58 0.00 | 49.15 2.04 0.00 | 60.46 2.38 0.00 | 74.49 2.93 0.00 | 62.13 2.34 0.00 | 38.93 1.25 -3.62 | 29.99 0.76 -4.65 | 29.79 0.79 -3.00 | 44.90 1.17 0.00 |
| GOUDEY___8 23580 | 36.28 0.80 -0.57 | 27.75 0.47 -0.04 | 26.24 0.39 0.00 | 23.47 0.35 -0.11 | 21.64 0.36 0.00 | 23.17 0.41 0.00 | 25.46 0.55 -0.04 | 31.33 0.74 0.00 | 30.54 0.85 -0.15 | 29.70 0.94 -0.18 | 30.65 0.92 -0.88 | 25.34 0.90 0.00 | 35.01 1.34 0.00 | 40.76 1.67 0.00 | 42.38 1.74 0.00 | 40.44 1.51 0.00 | 49.07 1.95 0.00 | 60.36 2.28 0.00 | 74.39 2.84 0.00 | 62.04 2.25 0.00 | 38.87 1.19 -3.62 | 29.95 0.73 -4.65 | 29.77 0.76 -3.00 | 44.85 1.12 0.00 |
| GOWANUS_GT1_1 24077 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT1_2 24078 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |

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| GOWANUS_GT1_3 24079 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT1_4 24080 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT1_5 24084 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT1_6 24111 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT1_7 24112 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT1_8 24113 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT2_1 24114 | 37.58 2.67 -0.01 | 29.42 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.13 4.19 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT2_2 24115 | 37.58 2.67 -0.01 | 29.42 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.13 4.19 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT2_3 24116 | 37.58 2.67 -0.01 | 29.42 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.13 4.19 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT2_4 24117 | 37.58 2.67 -0.01 | 29.42 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.13 4.19 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT2_5 24118 | 37.58 2.67 -0.01 | 29.42 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.13 4.19 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT2_6 24119 | 37.58 2.67 -0.01 | 29.42 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.13 4.19 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT2_7 24120 | 37.58 2.67 -0.01 | 29.42 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.13 4.19 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT2_8 24121 | 37.58 2.67 -0.01 | 29.42 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.13 4.19 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT3_1 24122 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |

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|------------------------|------------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-------------------------|-------------------------|------------------------|-----------------------|
| GOWANUS_GT3_2 24123 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT3_3 24124 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT3_4 24125 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT3_5 24126 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT3_6 24127 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT3_7 24128 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT3_8 24129 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| GOWANUS_GT4_1 24130 | 37.58 2.67 -0.01 | 29.42 2.18 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.13 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT4_2 24131 | 37.58 2.67 -0.01 | 29.42 2.18 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.13 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT4_3 24132 | 37.58 2.67 -0.01 | 29.42 2.18 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.13 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT4_4 24133 | 37.58 2.67 -0.01 | 29.42 2.18 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.13 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT4_5 24134 | 37.58 2.67 -0.01 | 29.42 2.18 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.13 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT4_6 24135 | 37.58 2.67 -0.01 | 29.42 2.18 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.13 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT4_7 24136 | 37.58 2.67 -0.01 | 29.42 2.18 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.13 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GOWANUS_GT4_8 24137 | 37.58 2.67 -0.01 | 29.42 2.18 -0.01 | 27.80 1.94 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.54 0.00 | 26.60 1.73 0.00 | 32.81 2.21 0.00 | 32.10 2.56 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.13 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.55 7.00 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |

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|-------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|-------------------------|-------------------------|------------------------|
| GREENBSH_115KV_TB3 55895 | 35.88 0.97 0.00 | 28.12 0.89 0.00 | 26.73 0.88 0.00 | 24.33 0.82 -0.49 | 21.99 0.70 0.00 | 23.52 0.77 0.00 | 25.61 0.75 0.00 | 31.31 0.72 0.00 | 30.34 0.81 0.00 | 29.36 0.78 0.00 | 32.86 0.91 -3.11 | 27.27 0.77 -2.06 | 34.73 1.07 0.00 | 40.37 1.28 0.00 | 41.89 1.25 0.00 | 40.19 1.26 0.00 | 48.45 1.34 0.00 | 59.75 1.66 0.00 | 73.54 1.99 0.00 | 61.35 1.56 0.00 | 58.44 1.02 -23.36 | 55.30 0.73 -30.00 | 46.21 0.81 -19.39 | 44.57 0.84 0.00 |
| GREENDGE_115KV_TB5 80291 | 36.25 0.87 -0.46 | 27.78 0.51 -0.04 | 26.22 0.37 0.00 | 23.55 0.46 -0.07 | 21.78 0.50 0.00 | 23.33 0.57 0.00 | 25.62 0.72 -0.03 | 31.53 0.94 0.00 | 30.68 1.02 -0.12 | 29.80 1.08 -0.14 | 30.43 1.00 -0.58 | 25.49 1.05 0.00 | 35.26 1.60 0.00 | 41.01 1.92 0.00 | 42.64 2.00 0.00 | 40.64 1.71 0.00 | 49.38 2.27 0.00 | 60.86 2.78 0.00 | 75.28 3.72 0.00 | 62.96 3.17 0.00 | 37.78 1.65 -2.08 | 28.25 1.01 -2.67 | 28.77 1.04 -1.72 | 45.25 1.52 0.00 |
| GREENIDGE___3 23582 | 36.25 0.87 -0.46 | 27.78 0.51 -0.04 | 26.22 0.37 0.00 | 23.55 0.46 -0.07 | 21.78 0.50 0.00 | 23.33 0.57 0.00 | 25.62 0.72 -0.03 | 31.53 0.94 0.00 | 30.68 1.02 -0.12 | 29.80 1.08 -0.14 | 30.43 1.00 -0.58 | 25.49 1.05 0.00 | 35.26 1.60 0.00 | 41.01 1.92 0.00 | 42.64 2.00 0.00 | 40.64 1.71 0.00 | 49.38 2.27 0.00 | 60.86 2.78 0.00 | 75.28 3.72 0.00 | 62.96 3.17 0.00 | 37.78 1.65 -2.08 | 28.25 1.01 -2.67 | 28.77 1.04 -1.72 | 45.25 1.52 0.00 |
| GREENIDGE___4 23583 | 36.25 0.87 -0.46 | 27.78 0.50 -0.04 | 26.22 0.37 0.00 | 23.55 0.46 -0.07 | 21.78 0.50 0.00 | 23.33 0.57 0.00 | 25.62 0.72 -0.03 | 31.54 0.94 0.00 | 30.69 1.03 -0.12 | 29.81 1.09 -0.14 | 30.42 0.99 -0.58 | 25.49 1.04 0.00 | 35.26 1.60 0.00 | 41.01 1.92 0.00 | 42.65 2.01 0.00 | 40.64 1.71 0.00 | 49.38 2.27 0.00 | 60.87 2.78 0.00 | 75.28 3.73 0.00 | 62.96 3.16 0.00 | 37.79 1.65 -2.08 | 28.25 1.01 -2.67 | 28.76 1.04 -1.72 | 45.25 1.52 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 54.81 3.06 -16.84 | 29.65 2.42 0.00 | 28.00 2.14 0.00 | 25.28 1.88 -0.38 | 22.99 1.70 0.00 | 24.50 1.74 0.00 | 26.70 1.83 0.00 | 32.95 2.36 0.00 | 32.28 2.74 0.00 | 36.19 2.97 -4.64 | 70.07 3.35 -37.87 | 111.74 2.94 -84.36 | 127.49 3.90 -89.92 | 128.25 4.82 -84.35 | 129.93 4.91 -84.37 | 131.85 4.73 -88.19 | 125.76 5.68 -72.97 | 109.07 6.99 -43.99 | 149.74 7.69 -70.50 | 168.35 5.87 -102.68 | 119.42 3.49 -81.88 | 40.97 2.46 -13.94 | 40.21 2.79 -11.42 | 52.57 3.81 -5.03 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.21 -0.01 | 52.25 5.12 -0.01 | 64.30 6.21 0.00 | 78.57 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |
| GRISSOM___SOLAR 323813 | 38.68 3.77 0.00 | 30.04 2.81 0.00 | 28.52 2.67 0.00 | 25.97 2.37 -0.58 | 23.45 2.16 0.00 | 25.09 2.33 0.00 | 27.49 2.62 0.00 | 33.40 2.80 0.00 | 32.15 2.61 0.00 | 30.57 1.99 0.00 | 34.71 2.17 -3.69 | 27.79 1.75 -1.60 | 36.63 2.97 0.00 | 41.71 2.63 0.00 | 42.92 2.28 0.00 | 41.11 2.18 0.00 | 50.47 3.35 0.00 | 62.71 4.62 0.00 | 79.18 7.63 0.00 | 67.46 7.67 0.00 | 70.89 4.50 -32.33 | 69.26 3.18 -41.52 | 56.05 3.20 -26.84 | 48.82 5.09 0.00 |
| GROVEVILLE___HYD 323602 | 37.59 2.68 0.00 | 29.33 2.10 0.00 | 27.76 1.91 0.00 | 25.11 1.72 -0.38 | 22.81 1.53 0.00 | 24.33 1.58 0.00 | 26.61 1.74 0.00 | 32.80 2.21 0.00 | 32.03 2.49 0.00 | 31.20 2.61 0.00 | 34.27 2.99 -2.43 | 27.07 2.63 0.00 | 37.25 3.59 0.00 | 43.45 4.36 0.00 | 45.19 4.55 0.00 | 43.34 4.41 0.00 | 52.53 5.42 0.00 | 64.78 6.69 0.00 | 79.44 7.88 0.00 | 65.94 6.14 0.00 | 48.36 3.42 -10.87 | 40.88 2.34 -13.96 | 37.52 2.49 -9.03 | 47.26 3.54 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 36.54 0.11 -1.51 | 27.37 0.02 -0.12 | 25.82 -0.04 0.00 | 23.02 -0.04 -0.04 | 21.27 -0.01 0.00 | 22.75 0.00 0.00 | 24.97 0.00 -0.10 | 30.58 -0.01 0.00 | 29.96 0.03 -0.40 | 29.17 0.12 -0.47 | 29.68 0.14 -0.70 | 24.62 0.18 0.00 | 33.99 0.32 0.00 | 39.50 0.41 0.00 | 41.05 0.41 0.00 | 39.31 0.37 0.00 | 48.09 0.55 -0.42 | 61.12 0.68 -2.36 | 72.41 0.86 0.00 | 60.49 0.70 0.00 | 35.30 0.29 -0.96 | 25.94 0.14 -1.23 | 26.86 0.07 -0.79 | 43.82 0.09 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 36.81 0.34 -1.56 | 27.53 0.17 -0.12 | 25.97 0.11 0.00 | 23.14 0.08 -0.04 | 21.39 0.11 0.00 | 22.88 0.12 0.00 | 25.17 0.20 -0.11 | 30.86 0.26 0.00 | 30.27 0.32 -0.41 | 29.49 0.42 -0.48 | 30.01 0.44 -0.72 | 24.89 0.45 0.00 | 34.36 0.70 0.00 | 39.94 0.86 0.00 | 41.57 0.93 0.00 | 39.80 0.86 0.00 | 48.64 1.16 -0.37 | 61.59 1.40 -2.10 | 73.34 1.79 0.00 | 61.26 1.47 0.00 | 35.80 0.71 -1.04 | 26.34 0.44 -1.33 | 27.21 0.35 -0.86 | 44.29 0.56 0.00 |
| HAMPSHIRE___PAPER_HYD 323593 | 34.87 -0.54 -0.50 | 26.66 -0.61 -0.04 | 25.27 -0.58 0.00 | 22.41 -0.62 -0.01 | 20.85 -0.43 0.00 | 22.42 -0.34 0.00 | 24.63 -0.27 -0.03 | 30.35 -0.24 0.00 | 29.23 -0.44 -0.13 | 28.14 -0.60 -0.15 | 28.22 -0.85 -0.21 | 21.34 -0.95 2.15 | 32.27 -1.39 0.00 | 37.72 -1.37 0.00 | 39.01 -1.63 0.00 | 37.08 -1.85 0.00 | 33.17 -2.14 11.81 | -7.26 -2.47 62.87 | 57.73 -2.36 11.46 | 58.09 -1.70 0.00 | 33.04 -1.02 0.00 | 24.05 -0.52 0.00 | 25.66 -0.34 0.00 | 43.34 -0.39 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 35.63 0.72 0.00 | 27.81 0.58 0.00 | 26.43 0.57 0.00 | 23.54 0.52 0.00 | 21.69 0.40 0.00 | 23.28 0.52 0.00 | 25.38 0.51 0.00 | 31.07 0.47 0.00 | 30.10 0.56 0.00 | 29.22 0.63 0.00 | 29.72 0.87 0.00 | 25.47 0.86 -0.16 | 34.94 1.28 0.00 | 40.59 1.50 0.00 | 41.87 1.23 0.00 | 40.15 1.22 0.00 | 48.80 1.32 -0.37 | 62.89 1.86 -2.94 | 75.05 2.62 -0.87 | 61.89 2.09 0.00 | 35.45 1.39 0.00 | 25.57 1.00 0.00 | 27.02 1.02 0.00 | 44.86 1.14 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 37.18 2.27 0.00 | 29.04 1.80 0.00 | 27.47 1.62 0.00 | 24.82 1.45 -0.35 | 22.57 1.28 0.00 | 24.04 1.29 0.00 | 26.29 1.42 0.00 | 32.44 1.84 0.00 | 31.68 2.15 0.00 | 30.86 2.28 0.00 | 33.74 2.66 -2.23 | 17.95 2.41 8.91 | 37.03 3.36 0.00 | 43.24 4.15 0.00 | 44.92 4.28 0.00 | 43.06 4.13 0.00 | 52.21 5.10 0.00 | 64.36 6.27 0.00 | 78.91 7.35 0.00 | 65.43 5.63 0.00 | 47.05 3.10 -9.89 | 39.36 2.09 -12.70 | 36.42 2.21 -8.21 | 46.83 3.10 0.00 |
| HARSNRAD_115KV_TB1 81005 | 35.44 0.53 0.00 | 27.54 0.31 0.00 | 26.07 0.21 0.00 | 23.11 0.04 -0.05 | 21.37 0.08 0.00 | 22.81 0.06 0.00 | 25.15 0.28 0.00 | 30.89 0.29 0.00 | 29.87 0.34 0.00 | 29.05 0.47 0.00 | 29.30 0.11 -0.34 | 24.69 0.25 0.00 | 34.07 0.40 0.00 | 39.31 0.22 0.00 | 40.95 0.32 0.00 | 39.01 0.08 0.00 | 47.36 0.24 0.00 | 57.80 -0.28 0.00 | 70.79 -0.76 0.00 | 59.91 0.12 0.00 | 35.66 0.07 -1.53 | 26.52 -0.02 -1.97 | 27.20 -0.07 -1.27 | 44.31 0.58 0.00 |
| HARZA MOOSE___RIVER 24016 | 36.04 0.70 -0.42 | 27.57 0.31 -0.03 | 26.08 0.22 0.00 | 23.14 0.12 -0.01 | 21.54 0.25 0.00 | 23.18 0.42 0.00 | 25.46 0.56 -0.03 | 31.35 0.76 0.00 | 30.30 0.65 -0.11 | 29.24 0.53 -0.13 | 29.50 0.44 -0.21 | 24.26 0.29 0.47 | 34.06 0.39 0.00 | 39.81 0.72 0.00 | 41.26 0.62 0.00 | 39.34 0.40 0.00 | 51.09 0.64 -3.33 | 75.29 0.94 -16.25 | 70.66 1.61 2.50 | 61.38 1.58 0.00 | 34.90 0.84 0.00 | 25.11 0.54 0.00 | 26.68 0.68 0.00 | 44.73 1.00 0.00 |

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|----------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| HDSNBRDG_115KV_BRDG_TB1 355580 | 35.63 -0.09 -0.81 | 27.15 -0.14 -0.06 | 25.67 -0.18 0.00 | 22.87 -0.18 -0.03 | 21.15 -0.14 0.00 | 22.63 -0.13 0.00 | 24.83 -0.09 -0.06 | 30.52 -0.08 0.00 | 29.75 0.00 -0.21 | 28.93 0.10 -0.25 | 29.42 0.12 -0.46 | 24.61 0.17 0.00 | 33.97 0.30 0.00 | 39.48 0.38 0.00 | 41.04 0.40 0.00 | 39.31 0.38 0.00 | 48.14 0.56 -0.46 | 61.34 0.64 -2.61 | 72.31 0.76 0.00 | 60.41 0.61 0.00 | 34.31 0.25 0.00 | 24.67 0.10 0.00 | 26.05 0.05 0.00 | 43.73 0.00 0.00 |
| HELLGATE_13_KV_LD 55870 | 37.33 2.43 0.00 | 29.21 1.98 0.00 | 27.63 1.77 0.00 | 25.04 1.64 -0.38 | 22.72 1.43 0.00 | 24.16 1.41 0.00 | 26.45 1.59 0.00 | 32.62 2.02 0.00 | 31.89 2.36 0.00 | 30.98 2.41 0.00 | 34.08 2.81 -2.42 | 35.92 2.50 -8.98 | 36.93 3.27 0.00 | 43.10 4.01 0.00 | 40.14 4.12 4.62 | 42.90 3.97 0.00 | 51.94 4.83 0.00 | 63.95 5.86 0.00 | 78.18 6.63 0.00 | 64.87 5.08 0.00 | 47.62 2.82 -10.74 | 40.31 1.95 -13.79 | 37.08 2.16 -8.92 | 46.73 3.01 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 37.33 2.43 0.00 | 29.21 1.98 0.00 | 27.63 1.77 0.00 | 25.04 1.64 -0.38 | 22.72 1.43 0.00 | 24.16 1.41 0.00 | 26.45 1.59 0.00 | 32.62 2.02 0.00 | 31.89 2.36 0.00 | 30.98 2.41 0.00 | 34.08 2.81 -2.42 | 35.92 2.50 -8.98 | 36.93 3.27 0.00 | 43.10 4.01 0.00 | 40.14 4.12 4.62 | 42.90 3.97 0.00 | 51.94 4.83 0.00 | 63.95 5.86 0.00 | 78.18 6.63 0.00 | 64.87 5.08 0.00 | 47.62 2.82 -10.74 | 40.31 1.95 -13.79 | 37.08 2.16 -8.92 | 46.73 3.01 0.00 |
| HEMPSTEAD____ 23647 | 58.69 2.98 -20.80 | 29.61 2.37 0.00 | 27.97 2.12 0.00 | 25.30 1.91 -0.38 | 23.00 1.71 0.00 | 24.49 1.73 0.00 | 26.68 1.82 0.00 | 32.94 2.34 0.00 | 32.30 2.76 0.00 | 36.11 2.89 -4.64 | 69.93 3.22 -37.87 | 111.69 2.84 -84.41 | 127.82 3.85 -90.31 | 130.28 4.66 -86.53 | 134.20 4.83 -88.74 | 139.77 4.66 -96.18 | 141.45 5.68 -88.66 | 136.38 6.88 -71.42 | 181.95 7.99 -102.41 | 172.05 6.15 -106.10 | 123.84 3.44 -86.34 | 43.13 2.39 -16.17 | 40.95 2.61 -12.34 | 47.28 3.55 0.00 |
| HEWLETT__69_KV_BK3 55828 | 73.06 3.50 -34.65 | 29.97 2.73 0.00 | 28.30 2.44 0.00 | 25.54 2.15 -0.38 | 23.22 1.92 0.00 | 24.71 1.96 0.00 | 26.91 2.04 0.00 | 33.23 2.63 0.00 | 32.59 3.05 0.00 | 36.41 3.19 -4.64 | 70.30 3.59 -37.87 | 111.92 3.07 -84.41 | 128.11 4.13 -90.31 | 130.64 5.02 -86.53 | 134.62 5.24 -88.74 | 140.16 5.05 -96.18 | 141.94 6.16 -88.66 | 137.11 7.60 -71.42 | 183.00 9.04 -102.41 | 173.05 7.16 -106.10 | 124.29 3.89 -86.34 | 43.31 2.58 -16.17 | 41.13 2.79 -12.34 | 47.64 3.91 0.00 |
| HICKLING___1 23621 | 36.70 1.33 -0.46 | 28.05 0.78 -0.04 | 26.47 0.62 0.00 | 23.66 0.56 -0.09 | 21.91 0.62 0.00 | 23.48 0.72 0.00 | 25.88 0.99 -0.03 | 31.94 1.34 0.00 | 31.12 1.46 -0.12 | 30.29 1.57 -0.14 | 31.00 1.45 -0.70 | 25.86 1.42 0.00 | 35.81 2.14 0.00 | 41.75 2.66 0.00 | 43.51 2.87 0.00 | 41.28 2.35 0.00 | 50.18 3.07 0.00 | 61.70 3.62 0.00 | 76.27 4.72 0.00 | 63.60 3.80 0.00 | 38.81 2.04 -2.71 | 29.29 1.24 -3.47 | 29.53 1.28 -2.25 | 45.73 2.01 0.00 |
| HICKLING___2 23622 | 36.70 1.33 -0.46 | 28.05 0.78 -0.04 | 26.47 0.62 0.00 | 23.66 0.56 -0.09 | 21.91 0.62 0.00 | 23.48 0.72 0.00 | 25.88 0.99 -0.03 | 31.94 1.34 0.00 | 31.12 1.46 -0.12 | 30.29 1.57 -0.14 | 31.00 1.45 -0.70 | 25.86 1.42 0.00 | 35.81 2.14 0.00 | 41.75 2.66 0.00 | 43.51 2.87 0.00 | 41.28 2.35 0.00 | 50.18 3.07 0.00 | 61.70 3.62 0.00 | 76.27 4.72 0.00 | 63.60 3.80 0.00 | 38.81 2.04 -2.71 | 29.29 1.24 -3.47 | 29.53 1.28 -2.25 | 45.73 2.01 0.00 |
| HIGH FALLS___HY 23754 | 37.35 2.44 0.00 | 29.10 1.87 0.00 | 27.52 1.67 0.00 | 24.89 1.50 -0.38 | 22.62 1.34 0.00 | 24.08 1.33 0.00 | 26.35 1.48 0.00 | 32.58 1.98 0.00 | 31.86 2.32 0.00 | 31.07 2.49 0.00 | 34.13 2.89 -2.40 | 27.12 2.68 0.00 | 14.88 3.70 22.48 | 37.39 4.26 5.96 | 45.03 4.39 0.00 | 43.19 4.26 0.00 | 52.51 5.40 0.00 | 64.90 6.81 0.00 | 79.68 8.12 0.00 | 66.12 6.33 0.00 | 49.19 3.47 -11.66 | 41.98 2.44 -14.97 | 38.22 2.53 -9.68 | 47.37 3.64 0.00 |
| HILLBURN___GT 23639 | 37.00 2.09 0.00 | 28.92 1.69 0.00 | 27.37 1.51 0.00 | 24.74 1.37 -0.36 | 22.48 1.19 0.00 | 23.93 1.18 0.00 | 26.17 1.30 0.00 | 32.29 1.70 0.00 | 31.55 2.01 0.00 | 30.74 2.15 0.00 | 33.65 2.53 -2.27 | 16.26 2.29 10.47 | 36.86 3.19 0.00 | 43.03 3.94 0.00 | 44.64 4.00 0.00 | 42.79 3.86 0.00 | 51.84 4.73 0.00 | 63.87 5.78 0.00 | 78.24 6.69 0.00 | 64.85 5.05 0.00 | 46.91 2.78 -10.07 | 39.38 1.87 -12.94 | 36.39 2.02 -8.36 | 46.52 2.80 0.00 |
| HILLSIDE_115KV_TB1 80332 | 35.96 0.57 -0.47 | 27.46 0.19 -0.04 | 25.93 0.07 0.00 | 23.17 0.06 -0.09 | 21.43 0.14 0.00 | 22.97 0.21 0.00 | 25.31 0.42 -0.03 | 31.23 0.63 0.00 | 30.44 0.77 -0.12 | 29.65 0.92 -0.15 | 30.40 0.82 -0.72 | 25.33 0.88 0.00 | 35.08 1.41 0.00 | 40.95 1.86 0.00 | 42.64 2.00 0.00 | 40.44 1.51 0.00 | 49.13 2.02 0.00 | 60.39 2.31 0.00 | 74.56 3.01 0.00 | 62.05 2.25 0.00 | 38.01 1.14 -2.81 | 28.80 0.62 -3.61 | 28.99 0.65 -2.33 | 44.66 0.93 0.00 |
| HISHELDN_WT_PWR 323625 | 35.79 0.88 0.00 | 27.77 0.53 0.00 | 26.27 0.41 0.00 | 23.38 0.30 -0.06 | 21.65 0.36 0.00 | 23.13 0.37 0.00 | 25.45 0.58 0.00 | 31.34 0.74 0.00 | 30.39 0.86 0.00 | 29.57 0.99 0.00 | 29.99 0.74 -0.40 | 25.32 0.87 0.00 | 34.97 1.30 0.00 | 40.39 1.31 0.00 | 42.12 1.48 0.00 | 39.93 1.00 0.00 | 48.58 1.47 0.00 | 59.47 1.39 0.00 | 73.15 1.60 0.00 | 61.63 1.83 0.00 | 36.89 0.98 -1.86 | 27.53 0.57 -2.39 | 28.05 0.51 -1.54 | 44.98 1.25 0.00 |
| HOLTSVILLE_IC_1 23690 | 54.82 3.27 -16.64 | 29.80 2.56 0.00 | 28.16 2.30 0.00 | 25.35 1.95 -0.38 | 23.07 1.78 0.00 | 24.58 1.82 0.00 | 26.79 1.93 0.00 | 33.12 2.52 0.00 | 32.42 2.89 0.00 | 36.38 3.16 -4.64 | 70.22 3.51 -37.87 | 112.74 3.13 -85.17 | 142.53 4.23 -104.64 | 199.91 4.97 -155.85 | 149.54 4.99 -103.91 | 190.22 4.80 -146.48 | 170.22 5.82 -117.28 | 193.16 7.14 -127.93 | 225.02 8.20 -145.27 | 176.92 6.38 -110.74 | 144.76 3.70 -107.00 | 122.45 2.64 -95.24 | 74.47 3.05 -45.43 | 83.01 4.41 -34.88 |
| HOLTSVILLE_IC_10 23699 | 55.21 3.59 -16.72 | 30.03 2.79 0.00 | 28.36 2.51 0.00 | 25.51 2.12 -0.38 | 23.23 1.93 0.00 | 24.75 1.99 0.00 | 26.99 2.12 0.00 | 33.37 2.78 0.00 | 32.70 3.17 0.00 | 36.68 3.46 -4.64 | 70.53 3.82 -37.87 | 113.02 3.41 -85.16 | 142.12 4.63 -103.82 | 196.65 5.47 -152.09 | 151.66 5.55 -105.47 | 191.94 5.32 -147.69 | 180.93 6.44 -127.38 | 209.83 7.91 -143.84 | 244.76 9.12 -164.09 | 179.41 7.12 -112.49 | 146.41 4.13 -108.23 | 118.32 2.95 -90.79 | 72.92 3.36 -43.56 | 77.84 4.89 -29.22 |
| HOLTSVILLE_IC_2 23691 | 54.82 3.27 -16.64 | 29.80 2.56 0.00 | 28.16 2.30 0.00 | 25.35 1.95 -0.38 | 23.07 1.78 0.00 | 24.58 1.82 0.00 | 26.79 1.93 0.00 | 33.12 2.52 0.00 | 32.42 2.89 0.00 | 36.38 3.16 -4.64 | 70.22 3.51 -37.87 | 112.74 3.13 -85.17 | 142.53 4.23 -104.64 | 199.91 4.97 -155.85 | 149.54 4.99 -103.91 | 190.22 4.80 -146.48 | 170.22 5.82 -117.28 | 193.16 7.14 -127.93 | 225.02 8.20 -145.27 | 176.92 6.38 -110.74 | 144.76 3.70 -107.00 | 122.45 2.64 -95.24 | 74.47 3.05 -45.43 | 83.01 4.41 -34.88 |
| HOLTSVILLE_IC_3 23692 | 54.82 3.27 -16.64 | 29.80 2.56 0.00 | 28.16 2.30 0.00 | 25.35 1.95 -0.38 | 23.07 1.78 0.00 | 24.58 1.82 0.00 | 26.79 1.93 0.00 | 33.12 2.52 0.00 | 32.42 2.89 0.00 | 36.38 3.16 -4.64 | 70.22 3.51 -37.87 | 112.74 3.13 -85.17 | 142.53 4.23 -104.64 | 199.91 4.97 -155.85 | 149.54 4.99 -103.91 | 190.22 4.80 -146.48 | 170.22 5.82 -117.28 | 193.16 7.14 -127.93 | 225.02 8.20 -145.27 | 176.92 6.38 -110.74 | 144.76 3.70 -107.00 | 122.45 2.64 -95.24 | 74.47 3.05 -45.43 | 83.01 4.41 -34.88 |

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|-------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| HOLTSVILLE_IC_4 23693 | 54.82 3.27 -16.64 | 29.80 2.56 0.00 | 28.16 2.30 0.00 | 25.35 1.95 -0.38 | 23.07 1.78 0.00 | 24.58 1.82 0.00 | 26.79 1.93 0.00 | 33.12 2.52 0.00 | 32.42 2.89 0.00 | 36.38 3.16 -4.64 | 70.22 3.51 -37.87 | 112.74 3.13 -85.17 | 142.53 4.23 -104.64 | 199.91 4.97 -155.85 | 149.54 4.99 -103.91 | 190.22 4.80 -146.48 | 170.22 5.82 -117.28 | 193.16 7.14 -127.93 | 225.02 8.20 -145.27 | 176.92 6.38 -110.74 | 144.76 3.70 -107.00 | 122.45 2.64 -95.24 | 74.47 3.05 -45.43 | 83.01 4.41 -34.88 |
| HOLTSVILLE_IC_5 23694 | 54.82 3.27 -16.64 | 29.80 2.56 0.00 | 28.16 2.30 0.00 | 25.35 1.95 -0.38 | 23.07 1.78 0.00 | 24.58 1.82 0.00 | 26.79 1.93 0.00 | 33.12 2.52 0.00 | 32.42 2.89 0.00 | 36.38 3.16 -4.64 | 70.22 3.51 -37.87 | 112.74 3.13 -85.17 | 142.53 4.23 -104.64 | 199.91 4.97 -155.85 | 149.54 4.99 -103.91 | 190.22 4.80 -146.48 | 170.22 5.82 -117.28 | 193.16 7.14 -127.93 | 225.02 8.20 -145.27 | 176.92 6.38 -110.74 | 144.76 3.70 -107.00 | 122.45 2.64 -95.24 | 74.47 3.05 -45.43 | 83.01 4.41 -34.88 |
| HOLTSVILLE_IC_6 23695 | 55.21 3.59 -16.72 | 30.03 2.79 0.00 | 28.36 2.51 0.00 | 25.51 2.12 -0.38 | 23.23 1.93 0.00 | 24.75 1.99 0.00 | 26.99 2.12 0.00 | 33.37 2.78 0.00 | 32.70 3.17 0.00 | 36.68 3.46 -4.64 | 70.53 3.82 -37.87 | 113.02 3.41 -85.16 | 142.12 4.63 -103.82 | 196.65 5.47 -152.09 | 151.66 5.55 -105.47 | 191.94 5.32 -147.69 | 180.93 6.44 -127.38 | 209.83 7.91 -143.84 | 244.76 9.12 -164.09 | 179.41 7.12 -112.49 | 146.41 4.13 -108.23 | 118.32 2.95 -90.79 | 72.92 3.36 -43.56 | 77.84 4.89 -29.22 |
| HOLTSVILLE_IC_7 23696 | 55.21 3.59 -16.72 | 30.03 2.79 0.00 | 28.36 2.51 0.00 | 25.51 2.12 -0.38 | 23.23 1.93 0.00 | 24.75 1.99 0.00 | 26.99 2.12 0.00 | 33.37 2.78 0.00 | 32.70 3.17 0.00 | 36.68 3.46 -4.64 | 70.53 3.82 -37.87 | 113.02 3.41 -85.16 | 142.12 4.63 -103.82 | 196.65 5.47 -152.09 | 151.66 5.55 -105.47 | 191.94 5.32 -147.69 | 180.93 6.44 -127.38 | 209.83 7.91 -143.84 | 244.76 9.12 -164.09 | 179.41 7.12 -112.49 | 146.41 4.13 -108.23 | 118.32 2.95 -90.79 | 72.92 3.36 -43.56 | 77.84 4.89 -29.22 |
| HOLTSVILLE_IC_8 23697 | 55.21 3.59 -16.72 | 30.03 2.79 0.00 | 28.36 2.51 0.00 | 25.51 2.12 -0.38 | 23.23 1.93 0.00 | 24.75 1.99 0.00 | 26.99 2.12 0.00 | 33.37 2.78 0.00 | 32.70 3.17 0.00 | 36.68 3.46 -4.64 | 70.53 3.82 -37.87 | 113.02 3.41 -85.16 | 142.12 4.63 -103.82 | 196.65 5.47 -152.09 | 151.66 5.55 -105.47 | 191.94 5.32 -147.69 | 180.93 6.44 -127.38 | 209.83 7.91 -143.84 | 244.76 9.12 -164.09 | 179.41 7.12 -112.49 | 146.41 4.13 -108.23 | 118.32 2.95 -90.79 | 72.92 3.36 -43.56 | 77.84 4.89 -29.22 |
| HOLTSVILLE_IC_9 23698 | 55.21 3.59 -16.72 | 30.03 2.79 0.00 | 28.36 2.51 0.00 | 25.51 2.12 -0.38 | 23.23 1.93 0.00 | 24.75 1.99 0.00 | 26.99 2.12 0.00 | 33.37 2.78 0.00 | 32.70 3.17 0.00 | 36.68 3.46 -4.64 | 70.53 3.82 -37.87 | 113.02 3.41 -85.16 | 142.12 4.63 -103.82 | 196.65 5.47 -152.09 | 151.66 5.55 -105.47 | 191.94 5.32 -147.69 | 180.93 6.44 -127.38 | 209.83 7.91 -143.84 | 244.76 9.12 -164.09 | 179.41 7.12 -112.49 | 146.41 4.13 -108.23 | 118.32 2.95 -90.79 | 72.92 3.36 -43.56 | 77.84 4.89 -29.22 |
| HOMER_HL_115KV_TB2 355744 | 35.70 0.79 0.00 | 27.68 0.45 0.00 | 26.19 0.33 0.00 | 23.29 0.20 -0.07 | 21.58 0.29 0.00 | 23.07 0.32 0.00 | 25.48 0.61 0.00 | 31.45 0.85 0.00 | 30.53 0.99 0.00 | 29.73 1.15 0.00 | 30.10 0.83 -0.42 | 25.28 0.83 0.00 | 34.97 1.30 0.00 | 40.81 1.72 0.00 | 42.45 1.82 0.00 | 40.06 1.13 0.00 | 48.85 1.74 0.00 | 59.84 1.75 0.00 | 73.64 2.09 0.00 | 61.65 1.86 0.00 | 36.93 0.90 -1.97 | 27.54 0.44 -2.53 | 28.12 0.49 -1.63 | 44.97 1.24 0.00 |
| HOWARD_WT_PWR 323690 | 36.30 1.07 -0.33 | 27.89 0.64 -0.03 | 26.26 0.40 0.00 | 23.63 0.54 -0.07 | 21.91 0.62 0.00 | 23.44 0.68 0.00 | 25.84 0.95 -0.02 | 31.91 1.31 0.00 | 31.11 1.48 -0.09 | 30.18 1.50 -0.10 | 30.67 1.25 -0.57 | 25.77 1.33 0.00 | 35.65 1.99 0.00 | 41.27 2.18 0.00 | 42.83 2.19 0.00 | 40.45 1.52 0.00 | 49.36 2.25 0.00 | 60.67 2.58 0.00 | 75.42 3.87 0.00 | 63.36 3.56 0.00 | 38.15 1.87 -2.22 | 28.59 1.17 -2.85 | 29.07 1.23 -1.84 | 45.84 2.11 0.00 |
| HQ_GEN_CEDARS 23644 | 33.96 -0.95 0.00 | 26.52 -0.72 0.00 | 25.23 -0.62 0.00 | 22.41 -0.61 0.00 | 20.74 -0.55 0.00 | 22.18 -0.57 0.00 | 24.27 -0.59 0.00 | 29.91 -0.69 0.00 | 28.64 -0.89 0.00 | 27.57 -1.01 0.00 | 27.54 -1.31 0.00 | 19.24 -1.38 3.83 | 31.57 -2.10 0.00 | 36.63 -2.46 0.00 | 37.99 -2.65 0.00 | 36.34 -2.59 0.00 | 40.93 -3.15 3.04 | 17.28 -3.81 36.99 | 46.81 -4.37 20.37 | 56.33 -3.47 0.00 | 32.13 -1.93 0.00 | 23.63 -0.94 0.00 | 25.09 -0.91 0.00 | 42.65 -1.08 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 33.96 -0.95 0.00 | 26.52 -0.72 0.00 | 25.23 -0.62 0.00 | 22.41 -0.61 0.00 | 20.74 -0.55 0.00 | 22.00 -0.57 0.18 | 24.27 -0.59 0.00 | 29.91 -0.69 0.00 | 28.64 -0.89 0.00 | 27.57 -1.01 0.00 | 27.54 -1.31 0.00 | 19.24 -1.38 3.83 | 31.57 -2.09 0.00 | 29.88 -2.46 6.74 | 19.28 -2.65 18.71 | 19.43 -2.59 16.91 | 40.93 -3.15 3.04 | 1.23 -3.81 53.04 | 29.94 -4.37 37.24 | 41.46 -3.47 14.87 | 32.13 -1.93 0.00 | 23.63 -0.94 0.00 | 25.09 -0.91 0.00 | 42.65 -1.08 0.00 |
| HQ_GEN_IMPORT 323601 | 34.26 -0.65 0.00 | 26.75 -0.49 0.00 | 25.43 -0.43 0.00 | 22.61 -0.41 0.00 | 20.91 -0.38 0.00 | 22.36 -0.40 0.00 | 24.44 -0.43 0.00 | 30.10 -0.50 0.00 | 28.88 -0.66 0.00 | 27.84 -0.75 0.00 | 27.94 -0.90 0.00 | 22.88 -0.81 0.75 | 32.53 -1.13 0.00 | 37.69 -1.40 0.00 | 39.18 -1.46 0.00 | 37.53 -1.40 0.00 | 44.56 -1.72 0.83 | 47.44 -2.06 8.59 | 65.12 -2.42 4.02 | 57.89 -1.90 0.00 | 32.98 -1.08 0.00 | 23.88 -0.69 0.00 | 25.28 -0.72 0.00 | 42.86 -0.86 0.00 |
| HQ_GEN_WHEEL 23651 | 34.26 -0.65 0.00 | 26.75 -0.49 0.00 | 25.43 -0.43 0.00 | 22.61 -0.41 0.00 | 20.91 -0.38 0.00 | 22.36 -0.40 0.00 | 24.44 -0.43 0.00 | 30.10 -0.50 0.00 | 28.88 -0.66 0.00 | 27.84 -0.75 0.00 | 27.94 -0.90 0.00 | 22.88 -0.81 0.75 | 32.53 -1.13 0.00 | 37.69 -1.40 0.00 | 39.18 -1.46 0.00 | 37.53 -1.40 0.00 | 44.56 -1.72 0.83 | 47.44 -2.06 8.59 | 65.12 -2.42 4.02 | 57.89 -1.90 0.00 | 32.98 -1.08 0.00 | 23.88 -0.69 0.00 | 25.28 -0.72 0.00 | 42.86 -0.86 0.00 |
| HUDSON_AVE_GT_3 23810 | 37.66 2.60 -0.15 | 29.37 2.13 0.00 | 27.76 1.91 0.00 | 25.12 1.72 -0.38 | 22.81 1.53 0.00 | 24.26 1.51 0.00 | 26.57 1.70 0.00 | 32.79 2.20 0.00 | 32.07 2.54 0.00 | 31.21 2.63 0.00 | 34.24 2.97 -2.42 | 36.06 2.63 -8.98 | 37.20 3.54 0.00 | 43.39 4.30 0.00 | 45.10 4.46 0.00 | 43.23 4.30 0.00 | 52.37 5.26 0.00 | 64.49 6.41 0.00 | 78.92 7.36 0.00 | 65.39 5.59 0.00 | 47.92 3.12 -10.74 | 40.50 2.14 -13.79 | 37.27 2.34 -8.92 | 47.01 3.28 0.00 |
| HUDSON_AVE_GT_4 23540 | 37.51 2.60 0.00 | 29.37 2.13 0.00 | 27.76 1.91 0.00 | 25.12 1.72 -0.38 | 22.81 1.53 0.00 | 24.26 1.51 0.00 | 26.57 1.70 0.00 | 32.79 2.20 0.00 | 32.07 2.54 0.00 | 31.21 2.63 0.00 | 34.24 2.97 -2.42 | 36.06 2.63 -8.98 | 37.20 3.54 0.00 | 43.39 4.30 0.00 | 45.10 4.46 0.00 | 43.23 4.30 0.00 | 52.37 5.26 0.00 | 64.49 6.41 0.00 | 78.92 7.36 0.00 | 65.39 5.59 0.00 | 47.92 3.12 -10.74 | 40.50 2.14 -13.79 | 37.27 2.34 -8.92 | 47.01 3.28 0.00 |
| HUDSON_AVE_GT_5 23657 | 37.51 2.60 0.00 | 29.37 2.13 0.00 | 27.76 1.91 0.00 | 25.12 1.72 -0.38 | 22.81 1.53 0.00 | 24.26 1.51 0.00 | 26.57 1.70 0.00 | 32.79 2.20 0.00 | 32.07 2.54 0.00 | 31.21 2.63 0.00 | 34.24 2.97 -2.42 | 36.06 2.63 -8.98 | 37.20 3.54 0.00 | 43.39 4.30 0.00 | 45.10 4.46 0.00 | 43.23 4.30 0.00 | 52.37 5.26 0.00 | 64.49 6.41 0.00 | 78.92 7.36 0.00 | 65.39 5.59 0.00 | 47.92 3.12 -10.74 | 40.50 2.14 -13.79 | 37.27 2.34 -8.92 | 47.01 3.28 0.00 |

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|-------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|-------------------------|
| HUDSON_AVE_10 24168 | 37.37 2.46 0.00 | 29.26 2.03 0.00 | 27.66 1.81 0.00 | 25.04 1.65 -0.38 | 22.75 1.46 0.00 | 24.17 1.42 0.00 | 26.47 1.61 0.00 | 32.67 2.08 0.00 | 31.95 2.41 0.00 | 31.09 2.51 0.00 | 34.11 2.84 -2.42 | 35.94 2.51 -8.98 | 37.03 3.37 0.00 | 43.20 4.11 0.00 | 44.90 4.27 0.00 | 43.06 4.13 0.00 | 52.16 5.05 0.00 | 64.26 6.17 0.00 | 78.62 7.06 0.00 | 65.14 5.35 0.00 | 47.78 2.98 -10.74 | 40.40 2.04 -13.79 | 37.18 2.26 -8.92 | 46.85 3.12 0.00 |
| HUDSON___115KV_TB 4 355613 | 36.64 1.73 0.00 | 28.69 1.45 0.00 | 27.26 1.40 0.00 | 24.76 1.27 -0.47 | 22.41 1.12 0.00 | 24.00 1.25 0.00 | 26.17 1.30 0.00 | 31.98 1.38 0.00 | 30.88 1.35 0.00 | 29.77 1.19 0.00 | 33.13 1.27 -3.01 | 27.34 1.08 -1.82 | -39.46 1.54 74.67 | 21.16 1.88 19.80 | 42.50 1.86 0.00 | 40.81 1.88 0.00 | 49.26 2.14 0.00 | 60.89 2.81 0.00 | 75.21 3.66 0.00 | 62.96 3.17 0.00 | 56.69 1.96 -20.67 | 52.47 1.35 -26.55 | 44.55 1.39 -17.16 | 45.52 1.79 0.00 |
| HUNTER MOUNT___DRP 323613 | 36.93 2.02 0.00 | 28.91 1.68 0.00 | 27.47 1.61 0.00 | 24.92 1.45 -0.46 | 22.57 1.28 0.00 | 24.21 1.46 0.00 | 26.40 1.53 0.00 | 32.21 1.61 0.00 | 31.04 1.50 0.00 | 29.87 1.28 0.00 | 33.03 1.27 -2.91 | 27.05 1.05 -1.56 | -72.47 1.56 107.70 | 12.44 1.92 28.56 | 42.56 1.92 0.00 | 40.89 1.95 0.00 | 49.34 2.23 0.00 | 61.06 2.97 0.00 | 75.52 3.97 0.00 | 63.35 3.55 0.00 | 55.00 2.22 -18.72 | 50.14 1.52 -24.04 | 43.09 1.54 -15.54 | 45.78 2.05 0.00 |
| HUNTINGTON_RES_REC 323705 | 55.01 3.38 -16.72 | 29.88 2.64 0.00 | 28.20 2.35 0.00 | 25.42 2.02 -0.38 | 23.12 1.84 0.00 | 24.64 1.88 0.00 | 26.86 1.99 0.00 | 33.19 2.59 0.00 | 32.53 2.99 0.00 | 36.49 3.27 -4.64 | 70.36 3.65 -37.87 | 112.71 3.23 -85.03 | 147.77 4.36 -109.75 | 226.67 5.27 -182.30 | 178.43 5.36 -132.43 | 247.33 5.14 -203.25 | 329.24 6.20 -275.91 | 442.31 7.64 -376.58 | 478.55 8.58 -398.42 | 198.10 6.63 -131.68 | 175.19 3.90 -137.23 | 151.26 2.79 -123.90 | 86.50 3.14 -57.36 | 60.43 4.43 -12.27 |
| HUNTLEY___63 23557 | 35.82 0.91 0.00 | 27.79 0.56 0.00 | 26.28 0.42 0.00 | 23.30 0.23 -0.06 | 21.55 0.26 0.00 | 23.00 0.24 0.00 | 25.37 0.51 0.00 | 31.18 0.58 0.00 | 30.20 0.66 0.00 | 29.43 0.84 0.00 | 29.74 0.53 -0.36 | 25.10 0.66 0.00 | 34.66 0.99 0.00 | 39.96 0.88 0.00 | 41.60 0.96 0.00 | 39.61 0.68 0.00 | 48.09 0.97 0.00 | 58.70 0.62 0.00 | 71.88 0.33 0.00 | 60.72 0.93 0.00 | 36.16 0.50 -1.60 | 26.92 0.29 -2.05 | 27.53 0.20 -1.33 | 44.79 1.06 0.00 |
| HUNTLEY___64 23558 | 35.82 0.91 0.00 | 27.79 0.56 0.00 | 26.28 0.42 0.00 | 23.30 0.23 -0.06 | 21.55 0.26 0.00 | 23.00 0.24 0.00 | 25.37 0.51 0.00 | 31.18 0.58 0.00 | 30.20 0.66 0.00 | 29.43 0.84 0.00 | 29.74 0.53 -0.36 | 25.10 0.66 0.00 | 34.66 0.99 0.00 | 39.96 0.88 0.00 | 41.60 0.96 0.00 | 39.61 0.68 0.00 | 48.09 0.97 0.00 | 58.70 0.62 0.00 | 71.88 0.33 0.00 | 60.72 0.93 0.00 | 36.16 0.50 -1.60 | 26.92 0.29 -2.05 | 27.53 0.20 -1.33 | 44.79 1.06 0.00 |
| HUNTLEY___65 23559 | 35.82 0.91 0.00 | 27.79 0.56 0.00 | 26.28 0.42 0.00 | 23.30 0.23 -0.06 | 21.55 0.26 0.00 | 23.00 0.24 0.00 | 25.37 0.51 0.00 | 31.18 0.58 0.00 | 30.20 0.66 0.00 | 29.43 0.84 0.00 | 29.74 0.53 -0.36 | 25.10 0.66 0.00 | 34.66 0.99 0.00 | 39.96 0.88 0.00 | 41.60 0.96 0.00 | 39.61 0.68 0.00 | 48.09 0.97 0.00 | 58.70 0.62 0.00 | 71.88 0.33 0.00 | 60.72 0.93 0.00 | 36.16 0.50 -1.60 | 26.92 0.29 -2.05 | 27.53 0.20 -1.33 | 44.79 1.06 0.00 |
| HUNTLEY___66 23560 | 35.82 0.91 0.00 | 27.79 0.56 0.00 | 26.28 0.42 0.00 | 23.30 0.23 -0.06 | 21.55 0.26 0.00 | 23.00 0.24 0.00 | 25.37 0.51 0.00 | 31.18 0.58 0.00 | 30.20 0.66 0.00 | 29.43 0.84 0.00 | 29.74 0.53 -0.36 | 25.10 0.66 0.00 | 34.66 0.99 0.00 | 39.96 0.88 0.00 | 41.60 0.96 0.00 | 39.61 0.68 0.00 | 48.09 0.97 0.00 | 58.70 0.62 0.00 | 71.88 0.33 0.00 | 60.72 0.93 0.00 | 36.16 0.50 -1.60 | 26.92 0.29 -2.05 | 27.53 0.20 -1.33 | 44.79 1.06 0.00 |
| HUNTLEY___67 23561 | 35.76 0.85 0.00 | 27.77 0.53 0.00 | 26.25 0.39 0.00 | 23.29 0.22 -0.06 | 21.54 0.25 0.00 | 22.99 0.24 0.00 | 25.35 0.48 0.00 | 31.15 0.55 0.00 | 30.17 0.63 0.00 | 29.39 0.81 0.00 | 29.72 0.51 -0.36 | 25.06 0.62 0.00 | 34.60 0.93 0.00 | 39.95 0.86 0.00 | 41.62 0.98 0.00 | 39.61 0.68 0.00 | 48.13 1.01 0.00 | 58.77 0.68 0.00 | 72.03 0.47 0.00 | 60.82 1.03 0.00 | 36.24 0.54 -1.64 | 26.99 0.32 -2.10 | 27.60 0.23 -1.36 | 44.73 1.00 0.00 |
| HUNTLEY___68 23562 | 35.76 0.85 0.00 | 27.77 0.53 0.00 | 26.25 0.39 0.00 | 23.29 0.22 -0.06 | 21.54 0.25 0.00 | 22.99 0.24 0.00 | 25.35 0.48 0.00 | 31.15 0.55 0.00 | 30.17 0.63 0.00 | 29.39 0.81 0.00 | 29.72 0.51 -0.36 | 25.06 0.62 0.00 | 34.60 0.93 0.00 | 39.95 0.86 0.00 | 41.62 0.98 0.00 | 39.61 0.68 0.00 | 48.13 1.01 0.00 | 58.77 0.68 0.00 | 72.03 0.47 0.00 | 60.82 1.03 0.00 | 36.24 0.54 -1.64 | 26.99 0.32 -2.10 | 27.60 0.23 -1.36 | 44.73 1.00 0.00 |
| HYLAND___LFGE 323620 | 37.17 2.26 0.00 | 28.77 1.53 0.00 | 27.16 1.31 0.00 | 24.19 1.11 -0.06 | 22.41 1.13 0.00 | 24.00 1.25 0.00 | 26.45 1.59 0.00 | 32.42 1.83 0.00 | 30.55 1.01 0.00 | 28.91 0.33 0.00 | 28.74 -0.50 -0.39 | 23.86 -0.59 0.00 | 32.62 -1.04 0.00 | 37.83 -1.26 0.00 | 39.87 -0.78 0.00 | 38.07 -0.86 0.00 | 46.00 -1.11 0.00 | 56.19 -1.90 0.00 | 70.34 -1.21 0.00 | 59.86 0.07 0.00 | 36.64 0.79 -1.79 | 27.61 0.75 -2.30 | 28.06 0.57 -1.48 | 43.82 0.09 0.00 |
| INDECK___CORINTH 23802 | 37.06 2.15 0.00 | 28.81 1.58 0.00 | 27.41 1.56 0.00 | 24.91 1.39 -0.51 | 22.50 1.21 0.00 | 24.14 1.39 0.00 | 26.41 1.55 0.00 | 32.44 1.84 0.00 | 31.47 1.93 0.00 | 30.44 1.86 0.00 | 34.06 1.97 -3.23 | 28.18 1.76 -1.98 | 36.05 2.38 0.00 | 41.80 2.71 0.00 | 43.35 2.71 0.00 | 41.68 2.75 0.00 | 50.28 3.17 0.00 | 62.21 4.12 0.00 | 77.42 5.87 0.00 | 64.50 4.71 0.00 | 71.73 2.94 -34.73 | 71.35 2.19 -44.59 | 57.03 2.20 -28.83 | 46.84 3.11 0.00 |
| INDECK___ILION 23567 | 35.37 0.46 0.00 | 27.60 0.37 0.00 | 26.22 0.36 0.00 | 23.35 0.34 0.00 | 21.57 0.28 0.00 | 23.08 0.33 0.00 | 25.19 0.32 0.00 | 30.92 0.32 0.00 | 29.92 0.39 0.00 | 29.01 0.43 0.00 | 29.40 0.55 0.00 | 25.16 0.55 -0.16 | 34.47 0.80 0.00 | 40.05 0.96 0.00 | 41.46 0.82 0.00 | 39.73 0.80 0.00 | 48.40 0.91 -0.37 | 62.26 1.24 -2.94 | 74.14 1.71 -0.87 | 61.17 1.37 0.00 | 34.94 0.88 0.00 | 25.19 0.62 0.00 | 26.64 0.63 0.00 | 44.46 0.73 0.00 |
| INDECK___OLEAN 23982 | 35.70 0.79 0.00 | 27.69 0.45 0.00 | 26.19 0.33 0.00 | 23.29 0.20 -0.07 | 21.59 0.29 0.00 | 23.07 0.32 0.00 | 25.48 0.61 0.00 | 31.45 0.85 0.00 | 30.54 1.00 0.00 | 29.72 1.14 0.00 | 30.10 0.83 -0.42 | 25.29 0.85 0.00 | 34.97 1.30 0.00 | 40.82 1.73 0.00 | 42.48 1.84 0.00 | 40.07 1.14 0.00 | 48.86 1.75 0.00 | 59.85 1.77 0.00 | 73.64 2.09 0.00 | 61.66 1.87 0.00 | 36.93 0.91 -1.97 | 27.54 0.44 -2.53 | 28.12 0.49 -1.63 | 44.97 1.24 0.00 |
| INDECK___OSWEGO 23783 | 37.66 -0.83 -3.58 | 26.80 -0.71 -0.27 | 25.14 -0.71 0.00 | 22.40 -0.64 -0.03 | 20.74 -0.55 0.00 | 22.18 -0.58 0.00 | 24.52 -0.59 -0.24 | 29.88 -0.71 0.00 | 29.82 -0.66 -0.94 | 29.13 -0.56 -1.11 | 29.57 -0.56 -1.28 | 23.97 -0.47 0.00 | 33.01 -0.66 0.00 | 38.37 -0.72 0.00 | 39.90 -0.74 0.00 | 38.19 -0.74 0.00 | 47.07 -0.82 -0.78 | 61.44 -1.03 -4.38 | 70.33 -1.23 0.00 | 58.82 -0.98 0.00 | 33.42 -0.64 0.00 | 24.06 -0.51 0.00 | 25.44 -0.57 0.00 | 42.73 -1.00 0.00 |

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|--------------------------------|-------------------------|------------------------|-----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| INDECK___YERKES 23781 | 35.82 0.91 0.00 | 27.79 0.55 0.00 | 26.28 0.42 0.00 | 23.31 0.24 -0.06 | 21.55 0.26 0.00 | 22.99 0.24 0.00 | 25.37 0.51 0.00 | 31.18 0.58 0.00 | 30.21 0.67 0.00 | 29.42 0.84 0.00 | 29.73 0.53 -0.36 | 25.12 0.67 0.00 | 34.66 0.99 0.00 | 39.96 0.87 0.00 | 41.63 0.99 0.00 | 39.62 0.69 0.00 | 48.08 0.97 0.00 | 58.72 0.63 0.00 | 71.85 0.30 0.00 | 60.70 0.91 0.00 | 36.16 0.51 -1.60 | 26.91 0.29 -2.05 | 27.53 0.20 -1.33 | 44.76 1.03 0.00 |
| INDIAN POINT_GT_1 24139 | 37.16 2.25 0.00 | 29.06 1.83 0.00 | 27.50 1.64 0.00 | 24.87 1.48 -0.37 | 22.60 1.31 0.00 | 24.06 1.31 0.00 | 26.32 1.45 0.00 | 32.46 1.86 0.00 | 31.70 2.16 0.00 | 30.85 2.27 0.00 | 33.87 2.63 -2.39 | 37.21 2.31 -10.45 | 36.79 3.12 0.00 | 42.93 3.84 0.00 | 44.65 4.01 0.00 | 42.81 3.88 0.00 | 51.85 4.74 0.00 | 63.89 5.81 0.00 | 78.30 6.75 0.00 | 64.94 5.15 0.00 | 47.52 2.86 -10.60 | 40.13 1.95 -13.61 | 36.92 2.12 -8.80 | 46.68 2.95 0.00 |
| INDIAN POINT_GT_2 23659 | 37.16 2.25 0.00 | 29.06 1.83 0.00 | 27.50 1.64 0.00 | 24.87 1.48 -0.37 | 22.60 1.31 0.00 | 24.06 1.31 0.00 | 26.32 1.45 0.00 | 32.46 1.86 0.00 | 31.70 2.16 0.00 | 30.85 2.27 0.00 | 33.87 2.63 -2.39 | 37.21 2.31 -10.45 | 36.79 3.12 0.00 | 42.93 3.84 0.00 | 44.65 4.01 0.00 | 42.81 3.88 0.00 | 51.85 4.74 0.00 | 63.89 5.81 0.00 | 78.30 6.75 0.00 | 64.94 5.15 0.00 | 47.52 2.86 -10.60 | 40.13 1.95 -13.61 | 36.92 2.12 -8.80 | 46.68 2.95 0.00 |
| INDIAN POINT_GT_3 24019 | 37.16 2.25 0.00 | 29.06 1.83 0.00 | 27.50 1.64 0.00 | 24.87 1.48 -0.37 | 22.60 1.31 0.00 | 24.06 1.31 0.00 | 26.32 1.45 0.00 | 32.46 1.86 0.00 | 31.70 2.16 0.00 | 30.85 2.27 0.00 | 33.87 2.63 -2.39 | 37.21 2.31 -10.45 | 36.79 3.12 0.00 | 42.93 3.84 0.00 | 44.65 4.01 0.00 | 42.81 3.88 0.00 | 51.85 4.74 0.00 | 63.89 5.81 0.00 | 78.30 6.75 0.00 | 64.94 5.15 0.00 | 47.52 2.86 -10.60 | 40.13 1.95 -13.61 | 36.92 2.12 -8.80 | 46.68 2.95 0.00 |
| INDIAN POINT___2 23530 | 37.11 2.21 0.00 | 29.02 1.79 0.00 | 27.45 1.60 0.00 | 24.82 1.44 -0.37 | 22.56 1.28 0.00 | 24.02 1.27 0.00 | 26.27 1.41 0.00 | 32.41 1.81 0.00 | 31.65 2.11 0.00 | 30.80 2.22 0.00 | 33.77 2.58 -2.35 | 40.61 2.26 -13.90 | 36.73 3.07 0.00 | 42.88 3.79 0.00 | 44.59 3.95 0.00 | 42.75 3.82 0.00 | 51.79 4.68 0.00 | 63.82 5.73 0.00 | 78.19 6.64 0.00 | 64.84 5.05 0.00 | 47.27 2.80 -10.41 | 39.84 1.91 -13.36 | 36.71 2.07 -8.64 | 46.60 2.88 0.00 |
| INDIAN POINT___3 23531 | 37.11 2.20 0.00 | 29.01 1.78 0.00 | 27.45 1.60 0.00 | 24.84 1.44 -0.37 | 22.56 1.28 0.00 | 24.03 1.27 0.00 | 26.27 1.41 0.00 | 32.40 1.80 0.00 | 31.64 2.10 0.00 | 30.79 2.21 0.00 | 33.80 2.56 -2.39 | 37.39 2.25 -10.70 | 36.70 3.04 0.00 | 42.84 3.75 0.00 | 44.55 3.91 0.00 | 42.70 3.77 0.00 | 51.73 4.61 0.00 | 63.74 5.66 0.00 | 78.11 6.55 0.00 | 64.79 4.99 0.00 | 47.44 2.77 -10.61 | 40.08 1.89 -13.62 | 36.87 2.06 -8.81 | 46.58 2.85 0.00 |
| INGHAM_C_115KV_TB7 356103 | 35.69 0.78 0.00 | 27.89 0.66 0.00 | 26.50 0.64 0.00 | 23.62 0.61 0.00 | 21.77 0.48 0.00 | 23.34 0.58 0.00 | 25.41 0.55 0.00 | 31.06 0.47 0.00 | 30.12 0.58 0.00 | 29.25 0.66 0.00 | 29.80 0.95 0.00 | 25.56 0.95 -0.16 | 35.06 1.39 0.00 | 40.73 1.64 0.00 | 41.99 1.35 0.00 | 40.26 1.33 0.00 | 48.91 1.43 -0.37 | 63.07 2.04 -2.94 | 75.39 2.96 -0.87 | 62.16 2.36 0.00 | 35.66 1.61 0.00 | 25.72 1.15 0.00 | 27.17 1.17 0.00 | 45.00 1.27 0.00 |
| IP CORINTH___1 23988 | 37.26 2.35 0.00 | 28.97 1.74 0.00 | 27.56 1.71 0.00 | 25.05 1.52 -0.51 | 22.62 1.34 0.00 | 24.28 1.52 0.00 | 26.56 1.69 0.00 | 32.62 2.02 0.00 | 31.64 2.11 0.00 | 30.61 2.03 0.00 | 34.23 2.15 -3.23 | 28.33 1.91 -1.98 | 36.25 2.59 0.00 | 42.04 2.95 0.00 | 43.59 2.95 0.00 | 41.91 2.98 0.00 | 50.57 3.45 0.00 | 62.55 4.47 0.00 | 77.85 6.30 0.00 | 64.86 5.07 0.00 | 71.94 3.15 -34.73 | 71.50 2.34 -44.59 | 57.18 2.35 -28.83 | 47.10 3.37 0.00 |
| IP___TICONDEROGA 23804 | 39.18 4.27 0.00 | 30.21 2.97 0.00 | 28.81 2.95 0.00 | 26.16 2.64 -0.51 | 23.60 2.31 0.00 | 25.47 2.71 0.00 | 28.03 3.17 0.00 | 34.47 3.87 0.00 | 33.32 3.78 0.00 | 32.10 3.52 0.00 | 35.94 3.87 -3.23 | 29.94 3.52 -1.98 | 38.62 4.96 0.00 | 45.05 5.97 0.00 | 46.40 5.77 0.00 | 44.61 5.68 0.00 | 53.54 6.43 0.00 | 66.34 8.26 0.00 | 82.88 11.32 0.00 | 68.72 8.92 0.00 | 73.91 5.34 -34.52 | 72.90 4.01 -44.32 | 58.67 4.02 -28.65 | 49.83 6.10 0.00 |
| ISLIP_RES_REC 323679 | 55.56 3.87 -16.78 | 30.23 3.00 0.00 | 28.54 2.69 0.00 | 25.67 2.27 -0.38 | 23.37 2.08 0.00 | 24.90 2.15 0.00 | 27.17 2.30 0.00 | 33.62 3.03 0.00 | 32.97 3.43 0.00 | 36.97 3.75 -4.64 | 70.83 4.11 -37.87 | 113.30 3.69 -85.17 | 141.38 5.04 -102.68 | 191.58 5.93 -146.56 | 150.62 6.03 -103.95 | 187.90 5.80 -143.17 | 177.78 7.00 -123.66 | 203.68 8.62 -136.97 | 239.55 9.98 -158.01 | 179.48 7.82 -111.87 | 144.83 4.50 -106.28 | 112.27 3.20 -84.50 | 70.54 3.61 -40.93 | 75.93 5.29 -26.92 |
| JAMAICA___27_KV_LOAD 355505 | 37.65 2.74 0.00 | 29.47 2.24 0.00 | 27.85 1.99 0.00 | 25.21 1.81 -0.38 | 22.90 1.61 0.00 | 24.30 1.55 0.00 | 26.64 1.78 0.00 | 32.89 2.29 0.00 | 32.13 2.59 0.00 | 31.24 2.67 0.00 | 34.23 2.96 -2.42 | 36.06 2.64 -8.98 | 37.20 3.53 0.00 | 43.42 4.33 0.00 | 45.14 4.50 0.00 | 43.31 4.38 0.00 | 52.52 5.41 0.00 | 64.72 6.63 0.00 | 79.20 7.64 0.00 | 65.64 5.85 0.00 | 48.05 3.25 -10.74 | 40.61 2.24 -13.79 | 37.45 2.53 -8.92 | 47.27 3.54 0.00 |
| JANIS___SOLAR 323808 | 37.71 2.08 -0.72 | 28.74 1.45 -0.06 | 27.14 1.28 0.00 | 24.24 1.13 -0.09 | 22.39 1.11 0.00 | 24.01 1.26 0.00 | 26.44 1.52 -0.05 | 32.52 1.92 0.00 | 31.66 1.93 -0.19 | 30.67 1.86 -0.22 | 31.24 1.58 -0.81 | 25.84 1.40 0.00 | 35.71 2.04 0.00 | 41.44 2.35 0.00 | 43.04 2.40 0.00 | 41.19 2.26 0.00 | 50.29 3.18 0.00 | 62.33 4.24 0.00 | 77.40 5.84 0.00 | 65.01 5.21 0.00 | 40.57 2.90 -3.62 | 31.14 1.92 -4.65 | 30.90 1.90 -3.00 | 46.71 2.98 0.00 |
| JARVIS____ 23743 | 35.08 0.17 0.00 | 27.35 0.11 0.00 | 25.96 0.10 0.00 | 23.11 0.09 0.00 | 21.38 0.10 0.00 | 22.87 0.12 0.00 | 24.99 0.12 0.00 | 30.72 0.13 0.00 | 29.71 0.17 0.00 | 28.75 0.17 0.00 | 29.06 0.21 0.00 | 24.81 0.20 -0.16 | 33.94 0.28 0.00 | 39.43 0.34 0.00 | 40.96 0.32 0.00 | 39.21 0.28 0.00 | 47.83 0.35 -0.37 | 61.45 0.42 -2.94 | 72.95 0.52 -0.87 | 60.22 0.42 0.00 | 34.30 0.24 0.00 | 24.75 0.17 0.00 | 26.18 0.18 0.00 | 43.94 0.21 0.00 |
| JENNISON___1 23625 | 37.69 2.27 -0.51 | 28.88 1.61 -0.04 | 27.31 1.46 0.00 | 24.43 1.30 -0.12 | 22.54 1.25 0.00 | 24.16 1.41 0.00 | 26.56 1.66 -0.03 | 32.70 2.10 0.00 | 31.88 2.21 -0.13 | 30.94 2.20 -0.16 | 31.88 2.13 -0.90 | 26.39 1.94 0.00 | 36.48 2.82 0.00 | 42.35 3.26 0.00 | 44.01 3.37 0.00 | 42.07 3.14 0.00 | 51.23 4.11 0.00 | 63.18 5.09 0.00 | 78.03 6.48 0.00 | 65.25 5.46 0.00 | 42.51 3.02 -5.44 | 33.56 2.00 -6.99 | 32.55 2.03 -4.52 | 46.84 3.11 0.00 |
| JENNISON___2 23626 | 37.69 2.27 -0.51 | 28.88 1.61 -0.04 | 27.31 1.46 0.00 | 24.43 1.30 -0.12 | 22.54 1.25 0.00 | 24.16 1.41 0.00 | 26.56 1.66 -0.03 | 32.70 2.10 0.00 | 31.88 2.21 -0.13 | 30.94 2.20 -0.16 | 31.88 2.13 -0.90 | 26.39 1.94 0.00 | 36.48 2.82 0.00 | 42.35 3.26 0.00 | 44.01 3.37 0.00 | 42.07 3.14 0.00 | 51.23 4.11 0.00 | 63.18 5.09 0.00 | 78.03 6.48 0.00 | 65.25 5.46 0.00 | 42.51 3.02 -5.44 | 33.56 2.00 -6.99 | 32.55 2.03 -4.52 | 46.84 3.11 0.00 |

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|-----------------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| JERICO_RISE_WT_PWR 323719 | 33.24 -1.67 0.00 | 25.92 -1.32 0.00 | 24.92 -0.93 0.00 | 22.06 -0.95 0.00 | 20.31 -0.98 0.00 | 21.73 -1.03 0.00 | 23.78 -1.09 0.00 | 29.36 -1.23 0.00 | 28.26 -1.28 0.00 | 27.16 -1.42 0.00 | 27.00 -1.85 0.00 | 18.64 -1.82 3.99 | 31.07 -2.59 0.00 | 36.06 -3.03 0.00 | 37.76 -2.88 0.00 | 36.31 -2.62 0.00 | 41.59 -3.33 2.20 | 20.60 -4.38 33.11 | 45.84 -4.49 21.22 | 56.37 -3.43 0.00 | 32.04 -2.01 0.00 | 23.27 -1.30 0.00 | 24.70 -1.30 0.00 | 42.26 -1.47 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 37.52 2.61 0.00 | 29.32 2.08 0.00 | 27.73 1.88 0.00 | 25.09 1.69 -0.39 | 22.79 1.50 0.00 | 24.28 1.52 0.00 | 26.57 1.70 0.00 | 32.75 2.15 0.00 | 32.01 2.47 0.00 | 31.17 2.58 0.00 | 34.29 2.98 -2.46 | 32.77 2.63 -5.70 | 37.24 3.58 0.00 | 43.47 4.38 0.00 | 45.19 4.55 0.00 | 43.36 4.42 0.00 | 52.50 5.39 0.00 | 64.66 6.58 0.00 | 79.19 7.64 0.00 | 65.65 5.86 0.00 | 48.27 3.27 -10.94 | 40.85 2.23 -14.04 | 37.48 2.40 -9.08 | 47.10 3.37 0.00 |
| KCE_NY_1 323755 | 37.27 2.36 0.00 | 29.11 1.87 0.00 | 27.66 1.80 0.00 | 25.14 1.62 -0.51 | 22.73 1.44 0.00 | 24.33 1.57 0.00 | 26.59 1.72 0.00 | 32.60 2.00 0.00 | 31.62 2.08 0.00 | 30.62 2.04 0.00 | 34.32 2.25 -3.22 | 28.41 1.98 -1.99 | 36.42 2.75 0.00 | 42.27 3.18 0.00 | 43.91 3.28 0.00 | 42.15 3.22 0.00 | 50.83 3.71 0.00 | 62.81 4.72 0.00 | 77.65 6.09 0.00 | 64.74 4.94 0.00 | 71.26 2.98 -34.22 | 70.65 2.14 -43.94 | 56.62 2.21 -28.41 | 46.94 3.21 0.00 |
| KCE_NY_6_ESR 323823 | 36.16 1.25 0.00 | 28.03 0.80 0.00 | 26.51 0.65 0.00 | 23.54 0.46 -0.06 | 21.78 0.49 0.00 | 23.26 0.51 0.00 | 25.64 0.77 0.00 | 31.57 0.97 0.00 | 30.62 1.08 0.00 | 29.83 1.25 0.00 | 30.22 0.99 -0.38 | 25.53 1.09 0.00 | 35.27 1.61 0.00 | 40.78 1.69 0.00 | 42.52 1.89 0.00 | 40.40 1.47 0.00 | 49.10 1.99 0.00 | 60.04 1.96 0.00 | 73.63 2.07 0.00 | 62.06 2.27 0.00 | 36.98 1.20 -1.72 | 27.54 0.76 -2.21 | 28.09 0.66 -1.43 | 45.35 1.62 0.00 |
| KEDC_PORT_JEFF_GT2 24210 | 54.96 3.36 -16.69 | 29.86 2.62 0.00 | 28.20 2.35 0.00 | 25.38 1.98 -0.38 | 23.09 1.80 0.00 | 24.60 1.85 0.00 | 26.83 1.96 0.00 | 33.18 2.58 0.00 | 32.51 2.97 0.00 | 36.49 3.27 -4.64 | 70.34 3.63 -37.87 | 112.88 3.29 -85.15 | 142.88 4.44 -104.77 | 201.06 5.19 -156.79 | 153.49 5.12 -107.73 | 196.86 4.80 -153.13 | 177.73 5.78 -124.83 | 209.38 7.04 -144.25 | 247.53 8.01 -167.97 | 179.91 6.27 -113.85 | 148.65 3.75 -110.84 | 123.42 2.78 -96.07 | 74.97 3.21 -45.76 | 78.01 4.65 -29.64 |
| KEDC_PORT_JEFF_GT3 24211 | 54.96 3.36 -16.69 | 29.86 2.62 0.00 | 28.20 2.35 0.00 | 25.38 1.98 -0.38 | 23.09 1.80 0.00 | 24.60 1.85 0.00 | 26.83 1.96 0.00 | 33.18 2.58 0.00 | 32.51 2.97 0.00 | 36.49 3.27 -4.64 | 70.34 3.63 -37.87 | 112.88 3.29 -85.15 | 142.88 4.44 -104.77 | 201.06 5.19 -156.79 | 153.49 5.12 -107.73 | 196.86 4.80 -153.13 | 177.73 5.78 -124.83 | 209.38 7.04 -144.25 | 247.53 8.01 -167.97 | 179.91 6.27 -113.85 | 148.65 3.75 -110.84 | 123.42 2.78 -96.07 | 74.97 3.21 -45.76 | 78.01 4.65 -29.64 |
| KEDC_GLWD_GT4 24219 | 57.92 2.78 -20.23 | 29.45 2.21 0.00 | 27.85 1.99 0.00 | 25.31 1.92 -0.38 | 23.00 1.71 0.00 | 24.48 1.72 0.00 | 26.64 1.77 0.00 | 32.81 2.22 0.00 | 32.31 2.77 0.00 | 36.06 2.84 -4.64 | 69.84 3.12 -37.87 | 111.62 2.77 -84.41 | 127.74 3.77 -90.31 | 130.20 4.59 -86.53 | 134.13 4.76 -88.74 | 139.71 4.60 -96.18 | 141.38 5.61 -88.66 | 136.34 6.84 -71.42 | 181.89 7.92 -102.41 | 171.99 6.09 -106.10 | 123.80 3.41 -86.34 | 43.21 2.47 -16.17 | 40.98 2.64 -12.34 | 47.15 3.42 0.00 |
| KEDC_GLWD_GT5 24220 | 57.92 2.78 -20.23 | 29.45 2.21 0.00 | 27.85 1.99 0.00 | 25.31 1.92 -0.38 | 23.00 1.71 0.00 | 24.48 1.72 0.00 | 26.64 1.77 0.00 | 32.81 2.22 0.00 | 32.31 2.77 0.00 | 36.06 2.84 -4.64 | 69.84 3.12 -37.87 | 111.62 2.77 -84.41 | 127.74 3.77 -90.31 | 130.20 4.59 -86.53 | 134.13 4.76 -88.74 | 139.71 4.60 -96.18 | 141.38 5.61 -88.66 | 136.34 6.84 -71.42 | 181.89 7.92 -102.41 | 171.99 6.09 -106.10 | 123.80 3.41 -86.34 | 43.21 2.47 -16.17 | 40.98 2.64 -12.34 | 47.15 3.42 0.00 |
| KENSICO____ 23655 | 37.29 2.38 0.00 | 29.16 1.93 0.00 | 27.59 1.74 0.00 | 24.96 1.57 -0.38 | 22.68 1.39 0.00 | 24.14 1.39 0.00 | 26.40 1.54 0.00 | 32.56 1.97 0.00 | 31.81 2.27 0.00 | 30.96 2.38 0.00 | 34.00 2.73 -2.42 | 36.40 2.41 -9.54 | 36.92 3.25 0.00 | 43.08 3.99 0.00 | 44.77 4.14 0.00 | 42.93 3.99 0.00 | 51.99 4.88 0.00 | 64.06 5.98 0.00 | 78.47 6.92 0.00 | 65.08 5.28 0.00 | 47.72 2.94 -10.71 | 40.34 2.01 -13.76 | 37.09 2.19 -8.89 | 46.78 3.05 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 37.42 2.51 0.00 | 29.16 1.93 0.00 | 27.58 1.72 0.00 | 24.91 1.55 -0.35 | 22.66 1.37 0.00 | 24.13 1.38 0.00 | 26.40 1.53 0.00 | 32.62 2.03 0.00 | 31.88 2.34 0.00 | 31.06 2.48 0.00 | 33.94 2.86 -2.23 | 27.08 2.64 0.00 | 22.66 3.65 14.66 | 39.36 4.16 3.89 | 44.94 4.30 0.00 | 43.11 4.17 0.00 | 52.37 5.25 0.00 | 64.75 6.67 0.00 | 79.55 8.00 0.00 | 66.06 6.26 0.00 | 48.03 3.47 -10.50 | 40.53 2.48 -13.48 | 37.29 2.57 -8.72 | 47.40 3.67 0.00 |
| KIAC_JFK_GT1 23816 | 37.51 2.60 0.00 | 29.37 2.14 0.00 | 27.76 1.90 0.00 | 25.12 1.72 -0.38 | 22.83 1.54 0.00 | 24.22 1.47 0.00 | 26.55 1.68 0.00 | 32.77 2.17 0.00 | 32.01 2.47 0.00 | 31.14 2.55 0.00 | 34.12 2.85 -2.42 | 35.94 2.52 -8.98 | 37.03 3.36 0.00 | 43.22 4.13 0.00 | 44.96 4.32 0.00 | 43.13 4.19 0.00 | 52.30 5.18 0.00 | 64.44 6.35 0.00 | 78.85 7.29 0.00 | 65.35 5.55 0.00 | 47.88 3.09 -10.74 | 40.50 2.13 -13.79 | 37.33 2.40 -8.92 | 47.08 3.35 0.00 |
| KIAC_JFK_GT2 23817 | 37.51 2.60 0.00 | 29.37 2.14 0.00 | 27.76 1.90 0.00 | 25.12 1.72 -0.38 | 22.83 1.54 0.00 | 24.22 1.47 0.00 | 26.55 1.68 0.00 | 32.77 2.17 0.00 | 32.01 2.47 0.00 | 31.14 2.55 0.00 | 34.12 2.85 -2.42 | 35.94 2.52 -8.98 | 37.03 3.36 0.00 | 43.22 4.13 0.00 | 44.96 4.32 0.00 | 43.13 4.19 0.00 | 52.30 5.18 0.00 | 64.44 6.35 0.00 | 78.85 7.29 0.00 | 65.35 5.55 0.00 | 47.88 3.09 -10.74 | 40.50 2.13 -13.79 | 37.33 2.40 -8.92 | 47.08 3.35 0.00 |
| KIAC_JFK____ 323774 | 37.51 2.60 0.00 | 29.37 2.14 0.00 | 27.75 1.90 0.00 | 25.12 1.72 -0.38 | 22.83 1.54 0.00 | 24.22 1.47 0.00 | 26.55 1.68 0.00 | 32.77 2.17 0.00 | 32.01 2.47 0.00 | 31.14 2.55 0.00 | 34.12 2.85 -2.42 | 35.94 2.51 -8.98 | 37.02 3.36 0.00 | 43.21 4.13 0.00 | 44.95 4.32 0.00 | 43.13 4.20 0.00 | 52.30 5.18 0.00 | 64.43 6.34 0.00 | 78.85 7.30 0.00 | 65.35 5.55 0.00 | 47.88 3.08 -10.74 | 40.50 2.13 -13.79 | 37.33 2.40 -8.92 | 47.08 3.35 0.00 |
| KINTIGH____ 23543 | 35.49 0.58 0.00 | 27.60 0.37 0.00 | 26.10 0.24 0.00 | 23.16 0.09 -0.05 | 21.41 0.12 0.00 | 22.86 0.11 0.00 | 25.18 0.31 0.00 | 30.95 0.35 0.00 | 29.97 0.43 0.00 | 29.17 0.58 0.00 | 29.49 0.33 -0.31 | 24.84 0.40 0.00 | 34.24 0.57 0.00 | 39.63 0.54 0.00 | 41.27 0.63 0.00 | 39.32 0.39 0.00 | 47.71 0.60 0.00 | 58.35 0.27 0.00 | 71.56 0.01 0.00 | 60.37 0.57 0.00 | 35.70 0.27 -1.37 | 26.46 0.13 -1.76 | 27.23 0.09 -1.14 | 44.41 0.68 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 33.05 -1.86 0.00 | 25.75 -1.48 0.00 | 25.02 -0.84 0.00 | 22.10 -0.92 0.00 | 20.32 -0.97 0.00 | 21.74 -1.01 0.00 | 23.73 -1.14 0.00 | 29.23 -1.37 0.00 | 28.18 -1.36 0.00 | 27.09 -1.49 0.00 | 26.89 -1.96 0.00 | 18.46 -1.94 4.05 | 30.92 -2.74 0.00 | 35.94 -3.15 0.00 | 37.70 -2.94 0.00 | 36.29 -2.65 0.00 | 41.90 -3.33 1.88 | 21.92 -4.51 31.66 | 45.46 -4.55 21.54 | 56.42 -3.38 0.00 | 32.14 -1.92 0.00 | 23.32 -1.25 0.00 | 24.67 -1.33 0.00 | 42.17 -1.56 0.00 |

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|------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| LACHUTE____HYDRO 323717 | 39.18 4.27 0.00 | 30.21 2.97 0.00 | 28.81 2.95 0.00 | 26.16 2.64 -0.51 | 23.60 2.32 0.00 | 25.47 2.71 0.00 | 28.03 3.17 0.00 | 34.47 3.88 0.00 | 33.32 3.78 0.00 | 32.10 3.52 0.00 | 35.94 3.87 -3.23 | 29.93 3.51 -1.98 | 38.63 4.96 0.00 | 45.05 5.97 0.00 | 46.40 5.76 0.00 | 44.60 5.67 0.00 | 53.54 6.42 0.00 | 66.34 8.25 0.00 | 82.87 11.32 0.00 | 68.72 8.92 0.00 | 73.91 5.34 -34.52 | 72.90 4.01 -44.32 | 58.67 4.02 -28.65 | 49.83 6.10 0.00 |
| LAWRNCV_115KV_TB1 80681 | 33.49 -1.42 0.00 | 26.10 -1.14 0.00 | 24.85 -1.01 0.00 | 22.04 -0.97 0.00 | 20.42 -0.87 0.00 | 21.88 -0.88 0.00 | 23.95 -0.91 0.00 | 29.54 -1.06 0.00 | 28.27 -1.27 0.00 | 27.19 -1.40 0.00 | 27.13 -1.72 0.00 | 19.38 -1.69 3.38 | 31.21 -2.46 0.00 | 36.30 -2.79 0.00 | 37.58 -3.06 0.00 | 35.82 -3.11 0.00 | 37.97 -3.76 5.39 | 5.71 -4.52 47.86 | 48.56 -5.01 17.98 | 55.76 -4.03 0.00 | 31.79 -2.27 0.00 | 23.39 -1.18 0.00 | 24.87 -1.13 0.00 | 42.28 -1.45 0.00 |
| LEDERLE____ 23769 | 37.23 2.32 0.00 | 29.10 1.86 0.00 | 27.53 1.67 0.00 | 24.87 1.49 -0.36 | 22.61 1.32 0.00 | 24.07 1.32 0.00 | 26.33 1.46 0.00 | 32.50 1.90 0.00 | 31.75 2.21 0.00 | 30.94 2.35 0.00 | 33.87 2.72 -2.30 | 15.11 2.41 11.74 | 36.97 3.31 0.00 | 43.19 4.10 0.00 | 44.89 4.25 0.00 | 43.05 4.12 0.00 | 52.17 5.06 0.00 | 64.30 6.21 0.00 | 78.78 7.22 0.00 | 65.30 5.51 0.00 | 47.30 3.03 -10.21 | 39.74 2.06 -13.11 | 36.68 2.20 -8.47 | 46.82 3.09 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 36.79 -0.05 -1.94 | 27.17 -0.22 -0.15 | 25.60 -0.26 0.00 | 22.77 -0.27 -0.03 | 21.15 -0.14 0.00 | 22.68 -0.07 0.00 | 25.02 0.02 -0.13 | 30.67 0.08 0.00 | 30.12 0.07 -0.51 | 29.25 0.07 -0.60 | 29.62 0.02 -0.76 | 24.09 -0.05 0.30 | 33.61 -0.06 0.00 | 39.24 0.14 0.00 | 40.71 0.07 0.00 | 38.77 -0.16 0.00 | 48.91 -0.09 -1.88 | 67.03 -0.04 -8.98 | 70.20 0.25 1.61 | 60.21 0.41 0.00 | 34.21 0.15 0.00 | 24.63 0.05 0.00 | 26.11 0.11 0.00 | 43.83 0.10 0.00 |
| LINDEN COGEN____ 23786 | 36.67 2.28 0.52 | 29.13 1.90 0.00 | 27.54 1.68 0.00 | 24.92 1.52 -0.38 | 22.62 1.34 0.00 | 24.06 1.31 0.00 | 26.34 1.48 0.00 | 32.52 1.93 0.00 | 31.80 2.26 0.00 | 30.96 2.38 0.00 | 34.00 2.73 -2.42 | 35.83 2.41 -8.98 | 36.91 3.24 0.00 | 41.08 3.92 1.93 | 44.69 4.05 0.00 | 42.83 3.90 0.00 | 51.89 4.78 0.00 | 63.01 5.83 0.90 | 77.53 6.64 0.67 | 64.80 5.01 0.00 | 47.46 2.78 -10.62 | 40.04 1.90 -13.56 | 35.20 2.08 -7.11 | 37.83 2.84 8.73 |
| LINDHRST_69_KV_BK1 356055 | 56.60 3.67 -18.02 | 30.10 2.86 0.00 | 28.43 2.57 0.00 | 25.63 2.23 -0.38 | 23.32 2.03 0.00 | 24.83 2.08 0.00 | 27.09 2.22 0.00 | 33.47 2.87 0.00 | 32.83 3.29 0.00 | 36.68 3.46 -4.64 | 70.52 3.81 -37.87 | 112.48 3.41 -84.62 | 129.87 4.63 -91.57 | 137.17 5.43 -92.65 | 136.08 5.48 -89.97 | 144.82 5.29 -100.59 | 143.80 6.47 -90.22 | 140.90 7.96 -74.86 | 184.68 9.28 -103.84 | 173.29 7.24 -106.26 | 126.36 4.15 -88.16 | 50.64 2.91 -23.15 | 44.55 3.28 -15.26 | 51.53 4.71 -3.10 |
| LIPA_MISC_IPP 23656 | 54.85 3.29 -16.65 | 29.80 2.57 0.00 | 28.18 2.32 0.00 | 25.33 1.93 -0.38 | 23.05 1.76 0.00 | 24.55 1.80 0.00 | 26.77 1.90 0.00 | 33.12 2.52 0.00 | 32.44 2.91 0.00 | 36.43 3.21 -4.64 | 70.26 3.54 -37.87 | 112.81 3.20 -85.17 | 142.55 4.37 -104.51 | 199.57 5.19 -155.29 | 150.07 5.23 -104.20 | 190.75 5.06 -146.76 | 171.99 6.12 -118.76 | 196.03 7.57 -130.37 | 228.55 8.71 -148.29 | 177.64 6.79 -111.05 | 145.21 3.91 -107.25 | 121.90 2.76 -94.57 | 74.28 3.13 -45.14 | 82.18 4.51 -33.94 |
| LISF____SOLAR 323691 | 54.93 3.35 -16.67 | 29.86 2.63 0.00 | 28.23 2.37 0.00 | 25.37 1.98 -0.38 | 23.08 1.79 0.00 | 24.59 1.84 0.00 | 26.82 1.95 0.00 | 33.18 2.58 0.00 | 32.51 2.97 0.00 | 36.49 3.27 -4.64 | 70.31 3.59 -37.87 | 112.86 3.25 -85.17 | 142.50 4.47 -104.37 | 199.03 5.32 -154.62 | 150.46 5.33 -104.49 | 191.09 5.17 -146.99 | 174.04 6.27 -120.65 | 199.18 7.75 -133.34 | 232.33 9.00 -151.78 | 178.17 7.00 -111.37 | 145.55 4.02 -107.47 | 121.18 2.83 -93.78 | 74.02 3.21 -44.81 | 81.28 4.64 -32.91 |
| LITTLE FALLS____HYD 24013 | 35.69 0.78 0.00 | 27.89 0.66 0.00 | 26.50 0.64 0.00 | 23.62 0.61 0.00 | 21.77 0.48 0.00 | 23.34 0.58 0.00 | 25.41 0.55 0.00 | 31.06 0.47 0.00 | 30.12 0.58 0.00 | 29.25 0.66 0.00 | 29.80 0.95 0.00 | 25.56 0.95 -0.16 | 35.06 1.39 0.00 | 40.73 1.64 0.00 | 41.99 1.35 0.00 | 40.26 1.33 0.00 | 48.91 1.43 -0.37 | 63.07 2.04 -2.94 | 75.39 2.96 -0.87 | 62.16 2.36 0.00 | 35.66 1.61 0.00 | 25.72 1.15 0.00 | 27.17 1.17 0.00 | 45.00 1.27 0.00 |
| LITTLRIV_115KV_TB1 356100 | 34.10 -1.05 -0.24 | 26.40 -0.86 -0.02 | 25.10 -0.75 0.00 | 22.27 -0.74 0.00 | 20.64 -0.65 0.00 | 22.11 -0.64 0.00 | 24.25 -0.63 -0.02 | 29.89 -0.71 0.00 | 28.63 -0.97 -0.06 | 27.53 -1.12 -0.07 | 27.48 -1.44 -0.07 | 19.75 -1.39 3.31 | 31.69 -1.98 0.00 | 36.87 -2.22 0.00 | 38.03 -2.61 0.00 | 36.24 -2.70 0.00 | 38.05 -3.29 5.77 | 4.52 -3.93 49.64 | 49.79 -4.17 17.59 | 56.52 -3.27 0.00 | 32.21 -1.85 0.00 | 23.69 -0.88 0.00 | 25.17 -0.84 0.00 | 42.79 -0.94 0.00 |
| LI_NEWBRDGE____DRP 323616 | 53.65 2.87 -15.87 | 29.53 2.29 0.00 | 27.89 2.03 0.00 | 25.20 1.80 -0.38 | 22.91 1.62 0.00 | 24.39 1.63 0.00 | 26.58 1.71 0.00 | 32.81 2.21 0.00 | 32.13 2.60 0.00 | 35.96 2.74 -4.64 | 69.81 3.10 -37.87 | 111.56 2.71 -84.41 | 127.59 3.61 -90.31 | 129.99 4.37 -86.53 | 133.88 4.51 -88.74 | 139.45 4.34 -96.18 | 141.05 5.28 -88.66 | 135.97 6.47 -71.42 | 181.45 7.49 -102.41 | 171.71 5.81 -106.10 | 123.66 3.27 -86.34 | 42.97 2.24 -16.17 | 40.86 2.52 -12.34 | 47.19 3.46 0.00 |
| LOCKPORT_115KV_TB60_63_64 80432 | 35.57 0.66 0.00 | 27.63 0.40 0.00 | 26.16 0.30 0.00 | 23.20 0.13 -0.05 | 21.45 0.16 0.00 | 22.90 0.14 0.00 | 25.24 0.38 0.00 | 31.00 0.41 0.00 | 29.98 0.44 0.00 | 29.16 0.57 0.00 | 29.40 0.21 -0.34 | 24.79 0.35 0.00 | 34.19 0.53 0.00 | 39.48 0.39 0.00 | 41.11 0.48 0.00 | 39.17 0.24 0.00 | 47.54 0.43 0.00 | 58.03 -0.05 0.00 | 71.07 -0.48 0.00 | 60.16 0.37 0.00 | 35.79 0.22 -1.52 | 26.60 0.08 -1.95 | 27.29 0.03 -1.26 | 44.49 0.76 0.00 |
| LOCKPORT____CC1 323769 | 35.45 0.54 0.00 | 27.54 0.30 0.00 | 26.07 0.21 0.00 | 23.12 0.05 -0.05 | 21.37 0.08 0.00 | 22.81 0.05 0.00 | 25.15 0.28 0.00 | 30.89 0.29 0.00 | 29.89 0.36 0.00 | 29.05 0.47 0.00 | 29.31 0.11 -0.34 | 24.72 0.28 0.00 | 34.08 0.41 0.00 | 39.33 0.24 0.00 | 40.99 0.35 0.00 | 39.02 0.09 0.00 | 47.37 0.26 0.00 | 57.83 -0.25 0.00 | 70.80 -0.75 0.00 | 59.92 0.12 0.00 | 35.68 0.09 -1.53 | 26.53 -0.01 -1.97 | 27.21 -0.06 -1.27 | 44.31 0.58 0.00 |
| LOCKPORT____CC2 323770 | 35.45 0.54 0.00 | 27.54 0.30 0.00 | 26.07 0.21 0.00 | 23.12 0.05 -0.05 | 21.37 0.08 0.00 | 22.81 0.05 0.00 | 25.15 0.28 0.00 | 30.89 0.29 0.00 | 29.89 0.36 0.00 | 29.05 0.47 0.00 | 29.31 0.11 -0.34 | 24.72 0.28 0.00 | 34.08 0.41 0.00 | 39.33 0.24 0.00 | 40.99 0.35 0.00 | 39.02 0.09 0.00 | 47.37 0.26 0.00 | 57.83 -0.25 0.00 | 70.80 -0.75 0.00 | 59.92 0.12 0.00 | 35.68 0.09 -1.53 | 26.53 -0.01 -1.97 | 27.21 -0.06 -1.27 | 44.31 0.58 0.00 |
| LOCKPORT____CC3 323771 | 35.45 0.54 0.00 | 27.54 0.30 0.00 | 26.07 0.21 0.00 | 23.12 0.05 -0.05 | 21.37 0.08 0.00 | 22.81 0.05 0.00 | 25.15 0.28 0.00 | 30.89 0.29 0.00 | 29.89 0.36 0.00 | 29.05 0.47 0.00 | 29.31 0.11 -0.34 | 24.72 0.28 0.00 | 34.08 0.41 0.00 | 39.33 0.24 0.00 | 40.99 0.35 0.00 | 39.02 0.09 0.00 | 47.37 0.26 0.00 | 57.83 -0.25 0.00 | 70.80 -0.75 0.00 | 59.92 0.12 0.00 | 35.68 0.09 -1.53 | 26.53 -0.01 -1.97 | 27.21 -0.06 -1.27 | 44.31 0.58 0.00 |

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| LONG_LAKE_PHOENIX 24014 | 37.25 -0.37 -2.72 | 27.10 -0.35 -0.21 | 25.48 -0.37 0.00 | 22.70 -0.34 -0.03 | 21.00 -0.29 0.00 | 22.46 -0.29 0.00 | 24.77 -0.28 -0.18 | 30.28 -0.32 0.00 | 29.99 -0.27 -0.71 | 29.24 -0.19 -0.84 | 29.68 -0.18 -1.02 | 24.36 -0.08 0.00 | 33.59 -0.08 0.00 | 39.01 -0.08 0.00 | 40.52 -0.11 0.00 | 38.82 -0.11 0.00 | 47.64 -0.06 -0.59 | 61.32 -0.07 -3.31 | 71.49 -0.06 0.00 | 59.80 0.00 0.00 | 33.96 -0.10 0.00 | 24.44 -0.13 0.00 | 25.81 -0.19 0.00 | 43.36 -0.37 0.00 |
| LOVETT___3 23632 | 37.01 2.10 0.00 | 28.93 1.70 0.00 | 27.37 1.52 0.00 | 24.75 1.37 -0.36 | 22.49 1.21 0.00 | 23.95 1.19 0.00 | 26.18 1.32 0.00 | 32.31 1.71 0.00 | 31.55 2.02 0.00 | 30.72 2.14 0.00 | 33.67 2.50 -2.32 | 14.32 2.20 12.32 | 36.66 2.99 0.00 | 42.81 3.72 0.00 | 44.52 3.88 0.00 | 42.69 3.76 0.00 | 51.73 4.61 0.00 | 63.75 5.66 0.00 | 78.11 6.55 0.00 | 64.77 4.97 0.00 | 47.07 2.75 -10.27 | 39.61 1.86 -13.18 | 36.54 2.02 -8.52 | 46.52 2.79 0.00 |
| LOVETT___4 23642 | 37.01 2.10 0.00 | 28.93 1.70 0.00 | 27.37 1.52 0.00 | 24.75 1.37 -0.36 | 22.49 1.21 0.00 | 23.95 1.19 0.00 | 26.18 1.32 0.00 | 32.31 1.71 0.00 | 31.55 2.02 0.00 | 30.72 2.14 0.00 | 33.67 2.50 -2.32 | 14.32 2.20 12.32 | 36.66 2.99 0.00 | 42.81 3.72 0.00 | 44.52 3.88 0.00 | 42.69 3.76 0.00 | 51.73 4.61 0.00 | 63.75 5.66 0.00 | 78.11 6.55 0.00 | 64.77 4.97 0.00 | 47.07 2.75 -10.27 | 39.61 1.86 -13.18 | 36.54 2.02 -8.52 | 46.52 2.79 0.00 |
| LOVETT___5 23593 | 37.01 2.10 0.00 | 28.93 1.70 0.00 | 27.37 1.52 0.00 | 24.75 1.37 -0.36 | 22.49 1.21 0.00 | 23.95 1.19 0.00 | 26.18 1.32 0.00 | 32.31 1.71 0.00 | 31.55 2.02 0.00 | 30.72 2.14 0.00 | 33.67 2.50 -2.32 | 14.32 2.20 12.32 | 36.66 2.99 0.00 | 42.81 3.72 0.00 | 44.52 3.88 0.00 | 42.69 3.76 0.00 | 51.73 4.61 0.00 | 63.75 5.66 0.00 | 78.11 6.55 0.00 | 64.77 4.97 0.00 | 47.07 2.75 -10.27 | 39.61 1.86 -13.18 | 36.54 2.02 -8.52 | 46.52 2.79 0.00 |
| LOWER RAQUET___HYD 24057 | 33.58 -1.58 -0.25 | 25.98 -1.27 -0.02 | 24.72 -1.14 0.00 | 21.93 -1.09 0.00 | 20.32 -0.97 0.00 | 21.77 -0.98 0.00 | 23.86 -1.02 -0.02 | 29.42 -1.18 0.00 | 28.22 -1.39 -0.07 | 27.14 -1.52 -0.08 | 27.08 -1.85 -0.08 | 19.41 -1.80 3.24 | 31.10 -2.57 0.00 | 36.18 -2.91 0.00 | 37.45 -3.19 0.00 | 35.66 -3.27 0.00 | 37.03 -3.95 6.13 | 2.02 -4.76 51.31 | 49.12 -5.21 17.22 | 55.58 -4.22 0.00 | 31.67 -2.38 0.00 | 23.30 -1.27 0.00 | 24.81 -1.19 0.00 | 42.16 -1.57 0.00 |
| LOWER___HUDSON 24059 | 36.59 1.68 0.00 | 28.68 1.44 0.00 | 27.27 1.42 0.00 | 24.80 1.29 -0.49 | 22.42 1.14 0.00 | 24.01 1.25 0.00 | 26.14 1.27 0.00 | 31.96 1.37 0.00 | 31.01 1.47 0.00 | 30.03 1.45 0.00 | 33.68 1.67 -3.16 | 27.96 1.42 -2.10 | 35.67 2.01 0.00 | 41.44 2.35 0.00 | 42.95 2.31 0.00 | 41.21 2.28 0.00 | 49.60 2.49 0.00 | 61.24 3.15 0.00 | 75.51 3.96 0.00 | 63.04 3.25 0.00 | 66.63 2.03 -30.54 | 65.26 1.48 -39.21 | 52.93 1.58 -25.35 | 45.87 2.14 0.00 |
| LOWVILLE_115KV_TB2 356335 | 35.96 0.47 -0.58 | 27.28 0.00 -0.05 | 25.80 -0.06 0.00 | 22.86 -0.17 -0.01 | 21.35 0.06 0.00 | 23.04 0.28 0.00 | 25.33 0.43 -0.04 | 31.21 0.62 0.00 | 30.16 0.47 -0.15 | 29.06 0.30 -0.18 | 29.25 0.14 -0.26 | 23.55 -0.09 0.81 | 33.51 -0.16 0.00 | 39.28 0.19 0.00 | 40.72 0.08 0.00 | 38.70 -0.23 0.00 | 52.03 -0.11 -5.03 | 82.18 0.08 -24.02 | 67.95 0.71 4.32 | 60.75 0.95 0.00 | 34.52 0.46 0.00 | 24.82 0.25 0.00 | 26.44 0.44 0.00 | 44.37 0.64 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 37.26 2.35 0.00 | 29.09 1.86 0.00 | 27.65 1.79 0.00 | 25.13 1.61 -0.51 | 22.72 1.44 0.00 | 24.33 1.58 0.00 | 26.57 1.70 0.00 | 32.57 1.97 0.00 | 31.59 2.06 0.00 | 30.60 2.02 0.00 | 34.30 2.23 -3.22 | 28.39 1.95 -1.99 | 36.38 2.72 0.00 | 42.23 3.15 0.00 | 43.84 3.20 0.00 | 42.08 3.15 0.00 | 50.73 3.62 0.00 | 62.67 4.59 0.00 | 77.47 5.92 0.00 | 64.64 4.84 0.00 | 71.21 2.93 -34.22 | 70.62 2.11 -43.94 | 56.59 2.18 -28.41 | 46.88 3.15 0.00 |
| LUTHERNY_35_KV_BK2 355980 | 37.27 2.37 0.00 | 29.11 1.88 0.00 | 27.66 1.80 0.00 | 25.14 1.62 -0.51 | 22.73 1.44 0.00 | 24.33 1.57 0.00 | 26.59 1.72 0.00 | 32.60 2.00 0.00 | 31.62 2.08 0.00 | 30.62 2.04 0.00 | 34.32 2.25 -3.22 | 28.42 1.98 -1.99 | 36.42 2.75 0.00 | 42.27 3.19 0.00 | 43.91 3.28 0.00 | 42.15 3.22 0.00 | 50.83 3.71 0.00 | 62.81 4.72 0.00 | 77.65 6.09 0.00 | 64.74 4.94 0.00 | 71.26 2.99 -34.22 | 70.65 2.14 -43.94 | 56.62 2.21 -28.41 | 46.94 3.21 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 34.87 -0.54 -0.50 | 26.66 -0.61 -0.04 | 25.27 -0.58 0.00 | 22.41 -0.62 -0.01 | 20.85 -0.44 0.00 | 22.42 -0.34 0.00 | 24.63 -0.27 -0.03 | 30.35 -0.24 0.00 | 29.23 -0.44 -0.13 | 28.14 -0.60 -0.15 | 28.22 -0.85 -0.21 | 21.34 -0.95 2.15 | 32.27 -1.39 0.00 | 37.72 -1.37 0.00 | 39.01 -1.63 0.00 | 37.08 -1.85 0.00 | 33.16 -2.15 11.81 | -7.26 -2.47 62.87 | 57.73 -2.36 11.46 | 58.09 -1.70 0.00 | 33.04 -1.02 0.00 | 24.05 -0.52 0.00 | 25.66 -0.34 0.00 | 43.34 -0.39 0.00 |
| LYONS_FALL_HYD 23570 | 36.04 0.70 -0.42 | 27.57 0.31 -0.03 | 26.08 0.22 0.00 | 23.14 0.12 -0.01 | 21.54 0.25 0.00 | 23.18 0.42 0.00 | 25.46 0.57 -0.03 | 31.35 0.76 0.00 | 30.30 0.65 -0.11 | 29.24 0.52 -0.13 | 29.50 0.44 -0.21 | 24.25 0.28 0.47 | 34.06 0.39 0.00 | 39.81 0.72 0.00 | 41.26 0.62 0.00 | 39.34 0.40 0.00 | 51.09 0.64 -3.33 | 75.29 0.95 -16.25 | 70.67 1.61 2.50 | 61.38 1.58 0.00 | 34.90 0.84 0.00 | 25.11 0.54 0.00 | 26.68 0.68 0.00 | 44.73 1.00 0.00 |
| MADISON___COUNTY_LFGE 323628 | 36.54 1.19 -0.45 | 28.07 0.80 -0.03 | 26.54 0.68 0.00 | 23.63 0.59 -0.02 | 21.89 0.60 0.00 | 23.47 0.71 0.00 | 25.76 0.87 -0.03 | 31.66 1.07 0.00 | 30.61 0.96 -0.12 | 29.57 0.85 -0.14 | 29.96 0.84 -0.27 | 25.22 0.78 0.00 | 34.79 1.12 0.00 | 40.57 1.48 0.00 | 42.11 1.48 0.00 | 40.30 1.37 0.00 | 49.97 1.86 -1.00 | 66.01 2.31 -5.62 | 74.55 2.99 0.00 | 62.33 2.54 0.00 | 35.47 1.41 0.00 | 25.55 0.98 0.00 | 27.15 1.15 0.00 | 45.45 1.72 0.00 |
| MALONE___115KV_TB1 356076 | 33.62 -1.29 0.00 | 26.19 -1.05 0.00 | 25.11 -0.74 0.00 | 22.23 -0.78 0.00 | 20.50 -0.79 0.00 | 21.95 -0.81 0.00 | 24.06 -0.81 0.00 | 29.72 -0.88 0.00 | 28.57 -0.96 0.00 | 27.47 -1.12 0.00 | 27.32 -1.53 0.00 | 19.12 -1.53 3.80 | 31.52 -2.15 0.00 | 36.64 -2.45 0.00 | 38.25 -2.39 0.00 | 36.69 -2.24 0.00 | 41.08 -2.85 3.19 | 16.76 -3.65 37.68 | 47.69 -3.65 20.22 | 57.03 -2.76 0.00 | 32.44 -1.61 0.00 | 23.64 -0.93 0.00 | 25.08 -0.92 0.00 | 42.76 -0.97 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 36.66 1.74 0.00 | 28.70 1.46 0.00 | 27.27 1.41 0.00 | 24.79 1.28 -0.49 | 22.42 1.13 0.00 | 23.99 1.24 0.00 | 26.14 1.27 0.00 | 32.00 1.40 0.00 | 31.06 1.52 0.00 | 30.10 1.52 0.00 | 33.70 1.70 -3.15 | 27.97 1.47 -2.05 | 35.73 2.07 0.00 | 41.54 2.46 0.00 | 43.11 2.47 0.00 | 41.39 2.46 0.00 | 49.90 2.79 0.00 | 61.55 3.47 0.00 | 75.82 4.27 0.00 | 63.27 3.47 0.00 | 63.62 2.11 -27.46 | 61.33 1.50 -35.25 | 50.38 1.59 -22.79 | 45.85 2.12 0.00 |
| MAPLE RIDGE_WT_1 323574 | 34.49 -0.42 0.00 | 26.81 -0.43 0.00 | 25.45 -0.40 0.00 | 22.63 -0.39 0.00 | 21.01 -0.28 0.00 | 22.50 -0.25 0.00 | 24.59 -0.27 0.00 | 30.30 -0.30 0.00 | 29.13 -0.40 0.00 | 28.11 -0.47 0.00 | 28.28 -0.57 0.00 | 25.45 -0.57 -1.58 | 32.89 -0.78 0.00 | 38.20 -0.89 0.00 | 39.71 -0.93 0.00 | 38.04 -0.89 0.00 | 45.59 -1.07 0.45 | 62.38 -1.37 -5.67 | 78.49 -1.47 -8.40 | 58.63 -1.16 0.00 | 33.37 -0.69 0.00 | 24.06 -0.51 0.00 | 25.47 -0.54 0.00 | 43.00 -0.73 0.00 |

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|--------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| MAPLE_RIDGE_WT_2 323611 | 34.49 -0.42 0.00 | 26.81 -0.43 0.00 | 25.45 -0.40 0.00 | 22.63 -0.39 0.00 | 21.01 -0.28 0.00 | 22.50 -0.25 0.00 | 24.59 -0.27 0.00 | 30.30 -0.30 0.00 | 29.13 -0.40 0.00 | 28.11 -0.47 0.00 | 28.28 -0.57 0.00 | 25.45 -0.57 -1.58 | 32.89 -0.78 0.00 | 38.20 -0.89 0.00 | 39.71 -0.93 0.00 | 38.04 -0.89 0.00 | 45.59 -1.07 0.45 | 62.38 -1.37 -5.67 | 78.49 -1.47 -8.40 | 58.63 -1.16 0.00 | 33.37 -0.69 0.00 | 24.06 -0.51 0.00 | 25.47 -0.54 0.00 | 43.00 -0.73 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 33.12 -1.79 0.00 | 25.82 -1.42 0.00 | 24.91 -0.95 0.00 | 22.04 -0.97 0.00 | 20.28 -1.00 0.00 | 21.69 -1.07 0.00 | 23.71 -1.15 0.00 | 29.27 -1.33 0.00 | 28.20 -1.34 0.00 | 27.13 -1.45 0.00 | 26.96 -1.89 0.00 | 18.49 -1.89 4.07 | 30.96 -2.70 0.00 | 35.95 -3.14 0.00 | 37.68 -2.96 0.00 | 36.24 -2.69 0.00 | 41.93 -3.41 1.77 | 22.41 -4.52 31.15 | 45.25 -4.64 21.65 | 56.30 -3.49 0.00 | 32.02 -2.03 0.00 | 23.26 -1.31 0.00 | 24.64 -1.36 0.00 | 42.16 -1.57 0.00 |
| MARSHVLE_115KV_TB1 80742 | 37.72 2.81 0.00 | 29.26 2.02 0.00 | 27.77 1.91 0.00 | 25.29 1.66 -0.61 | 22.85 1.56 0.00 | 24.44 1.68 0.00 | 26.89 2.03 0.00 | 33.20 2.61 0.00 | 32.03 2.50 0.00 | 30.95 2.37 0.00 | 34.98 2.24 -3.89 | 27.87 1.98 -1.44 | 36.33 2.66 0.00 | 42.01 2.92 0.00 | 43.59 2.95 0.00 | 41.58 2.65 0.00 | 50.72 3.60 0.00 | 62.57 4.49 0.00 | 77.43 5.87 0.00 | 65.22 5.42 0.00 | 67.57 3.26 -30.25 | 65.71 2.30 -38.84 | 53.43 2.32 -25.11 | 47.67 3.94 0.00 |
| MARSH_HILL_WT_PWR 323713 | 36.25 1.04 -0.30 | 27.87 0.61 -0.02 | 26.23 0.38 0.00 | 23.60 0.51 -0.07 | 21.89 0.60 0.00 | 23.42 0.67 0.00 | 25.81 0.92 -0.02 | 31.87 1.28 0.00 | 31.05 1.43 -0.08 | 30.13 1.45 -0.09 | 30.60 1.20 -0.55 | 25.73 1.29 0.00 | 35.58 1.92 0.00 | 41.19 2.11 0.00 | 42.76 2.12 0.00 | 40.38 1.45 0.00 | 49.29 2.18 0.00 | 60.56 2.47 0.00 | 75.28 3.73 0.00 | 63.22 3.43 0.00 | 38.04 1.80 -2.19 | 28.49 1.12 -2.81 | 29.01 1.20 -1.81 | 45.77 2.04 0.00 |
| MCINTYRE_115KV_TB2 80467 | 34.30 -0.61 0.00 | 26.73 -0.50 0.00 | 25.43 -0.43 0.00 | 22.58 -0.44 0.00 | 20.92 -0.37 0.00 | 22.41 -0.35 0.00 | 24.55 -0.32 0.00 | 30.26 -0.34 0.00 | 28.88 -0.66 0.00 | 27.75 -0.83 0.00 | 27.70 -1.15 0.00 | 19.89 -1.14 3.42 | 31.99 -1.67 0.00 | 37.24 -1.85 0.00 | 38.42 -2.22 0.00 | 36.67 -2.26 0.00 | 39.14 -2.79 5.19 | 7.83 -3.31 46.94 | 49.98 -3.39 18.18 | 57.24 -2.55 0.00 | 32.65 -1.41 0.00 | 23.98 -0.59 0.00 | 25.43 -0.58 0.00 | 43.28 -0.45 0.00 |
| MECO____69_KV_BK1 80468 | 38.68 3.77 0.00 | 30.05 2.81 0.00 | 28.52 2.66 0.00 | 25.97 2.37 -0.58 | 23.45 2.16 0.00 | 25.09 2.33 0.00 | 27.49 2.62 0.00 | 33.40 2.81 0.00 | 32.15 2.61 0.00 | 30.57 1.99 0.00 | 34.71 2.17 -3.69 | 27.83 1.79 -1.60 | 36.64 2.97 0.00 | 41.71 2.63 0.00 | 42.92 2.28 0.00 | 41.12 2.18 0.00 | 50.47 3.35 0.00 | 62.71 4.62 0.00 | 79.19 7.64 0.00 | 67.46 7.67 0.00 | 70.89 4.50 -32.33 | 69.27 3.18 -41.52 | 56.05 3.20 -26.84 | 48.81 5.08 0.00 |
| MENANDS__115KV_TB5 355628 | 36.21 1.30 0.00 | 28.39 1.16 0.00 | 26.99 1.13 0.00 | 24.55 1.04 -0.49 | 22.19 0.91 0.00 | 23.75 0.99 0.00 | 25.85 0.99 0.00 | 31.62 1.02 0.00 | 30.67 1.13 0.00 | 29.71 1.13 0.00 | 33.28 1.30 -3.13 | 27.62 1.10 -2.08 | 35.21 1.55 0.00 | 40.93 1.84 0.00 | 42.48 1.84 0.00 | 40.77 1.84 0.00 | 49.12 2.01 0.00 | 60.55 2.47 0.00 | 74.53 2.98 0.00 | 62.17 2.37 0.00 | 61.53 1.50 -25.98 | 59.00 1.07 -33.36 | 48.73 1.17 -21.57 | 45.16 1.43 0.00 |
| MG INDUSTRY__DRP 24185 | 36.25 1.34 0.00 | 28.39 1.15 0.00 | 27.00 1.14 0.00 | 24.56 1.06 -0.48 | 22.22 0.93 0.00 | 23.78 1.03 0.00 | 25.89 1.03 0.00 | 31.65 1.05 0.00 | 30.59 1.05 0.00 | 29.51 0.93 0.00 | 32.63 0.73 -3.05 | 26.85 0.51 -1.90 | -52.22 0.67 86.56 | 16.88 0.76 22.96 | 41.35 0.72 0.00 | 39.69 0.76 0.00 | 47.87 0.76 0.00 | 59.01 0.92 0.00 | 72.70 1.14 0.00 | 60.72 0.93 0.00 | 54.61 0.67 -19.88 | 50.59 0.49 -25.53 | 43.06 0.55 -16.50 | 44.18 0.45 0.00 |
| MID__OSWEGATCHIE_HYD 23849 | 34.87 -0.54 -0.50 | 26.66 -0.61 -0.04 | 25.27 -0.58 0.00 | 22.41 -0.62 -0.01 | 20.85 -0.44 0.00 | 22.42 -0.34 0.00 | 24.63 -0.27 -0.03 | 30.35 -0.24 0.00 | 29.23 -0.44 -0.13 | 28.14 -0.60 -0.15 | 28.22 -0.85 -0.21 | 21.34 -0.95 2.15 | 32.27 -1.39 0.00 | 37.72 -1.37 0.00 | 39.01 -1.63 0.00 | 37.08 -1.85 0.00 | 33.16 -2.15 11.81 | -7.26 -2.47 62.87 | 57.73 -2.36 11.46 | 58.09 -1.70 0.00 | 33.04 -1.02 0.00 | 24.05 -0.52 0.00 | 25.66 -0.34 0.00 | 43.34 -0.39 0.00 |
| MID__RAQUETTE_HYD 23851 | 33.59 -1.58 -0.25 | 25.98 -1.27 -0.02 | 24.72 -1.14 0.00 | 21.93 -1.09 0.00 | 20.32 -0.97 0.00 | 21.77 -0.98 0.00 | 23.86 -1.02 -0.02 | 29.42 -1.18 0.00 | 28.22 -1.38 -0.07 | 27.14 -1.52 -0.08 | 27.08 -1.85 -0.08 | 19.41 -1.79 3.24 | 31.10 -2.57 0.00 | 36.18 -2.91 0.00 | 37.45 -3.19 0.00 | 35.66 -3.27 0.00 | 37.03 -3.95 6.13 | 2.03 -4.75 51.31 | 49.12 -5.21 17.22 | 55.58 -4.22 0.00 | 31.67 -2.38 0.00 | 23.30 -1.27 0.00 | 24.81 -1.19 0.00 | 42.16 -1.57 0.00 |
| MILLIKEN__1 23584 | 36.99 1.10 -0.98 | 28.04 0.73 -0.07 | 26.48 0.62 0.00 | 23.63 0.55 -0.07 | 21.82 0.54 0.00 | 23.38 0.62 0.00 | 25.69 0.76 -0.07 | 31.58 0.98 0.00 | 30.83 1.03 -0.26 | 29.95 1.06 -0.30 | 30.60 1.00 -0.75 | 25.40 0.96 0.00 | 35.05 1.39 0.00 | 40.76 1.67 0.00 | 42.35 1.72 0.00 | 40.53 1.60 0.00 | 49.57 2.16 -0.30 | 62.45 2.70 -1.67 | 75.17 3.62 0.00 | 62.87 3.08 0.00 | 37.95 1.68 -2.22 | 28.54 1.11 -2.85 | 28.90 1.06 -1.84 | 45.37 1.64 0.00 |
| MILLIKEN__2 23585 | 36.99 1.10 -0.98 | 28.04 0.73 -0.07 | 26.48 0.62 0.00 | 23.63 0.55 -0.07 | 21.82 0.54 0.00 | 23.38 0.62 0.00 | 25.69 0.76 -0.07 | 31.58 0.98 0.00 | 30.83 1.03 -0.26 | 29.95 1.06 -0.30 | 30.60 1.00 -0.75 | 25.40 0.96 0.00 | 35.05 1.39 0.00 | 40.76 1.67 0.00 | 42.35 1.72 0.00 | 40.53 1.60 0.00 | 49.57 2.16 -0.30 | 62.45 2.70 -1.67 | 75.17 3.62 0.00 | 62.87 3.08 0.00 | 37.95 1.68 -2.22 | 28.54 1.11 -2.85 | 28.90 1.06 -1.84 | 45.37 1.64 0.00 |
| MILLIKEN__DIESEL 23629 | 36.99 1.10 -0.98 | 28.04 0.73 -0.07 | 26.48 0.62 0.00 | 23.63 0.55 -0.07 | 21.82 0.54 0.00 | 23.38 0.62 0.00 | 25.69 0.76 -0.07 | 31.58 0.98 0.00 | 30.83 1.03 -0.26 | 29.95 1.06 -0.30 | 30.60 1.00 -0.75 | 25.40 0.96 0.00 | 35.05 1.39 0.00 | 40.76 1.67 0.00 | 42.35 1.72 0.00 | 40.53 1.60 0.00 | 49.57 2.16 -0.30 | 62.45 2.70 -1.67 | 75.17 3.62 0.00 | 62.87 3.08 0.00 | 37.95 1.68 -2.22 | 28.54 1.11 -2.85 | 28.90 1.06 -1.84 | 45.37 1.64 0.00 |
| MILLSEAT__LFGE 323607 | 36.31 1.40 0.00 | 28.18 0.94 0.00 | 26.65 0.80 0.00 | 23.63 0.56 -0.05 | 21.85 0.56 0.00 | 23.35 0.59 0.00 | 25.76 0.88 0.00 | 31.68 1.08 0.00 | 30.66 1.13 0.00 | 29.72 1.14 0.00 | 29.88 0.71 -0.33 | 25.18 0.73 0.00 | 34.75 1.09 0.00 | 40.18 1.10 0.00 | 41.89 1.25 0.00 | 39.93 1.00 0.00 | 48.46 1.35 0.00 | 59.34 1.26 0.00 | 72.79 1.24 0.00 | 61.60 1.81 0.00 | 36.53 1.02 -1.46 | 27.11 0.67 -1.87 | 28.00 0.79 -1.21 | 45.61 1.88 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 37.21 2.30 0.00 | 29.10 1.86 0.00 | 27.53 1.67 0.00 | 24.91 1.51 -0.38 | 22.63 1.34 0.00 | 24.10 1.34 0.00 | 26.35 1.48 0.00 | 32.49 1.89 0.00 | 31.73 2.20 0.00 | 30.88 2.30 0.00 | 33.91 2.66 -2.40 | 36.75 2.34 -9.97 | 36.82 3.16 0.00 | 42.96 3.87 0.00 | 44.67 4.03 0.00 | 42.82 3.89 0.00 | 51.87 4.75 0.00 | 63.91 5.82 0.00 | 78.30 6.75 0.00 | 64.95 5.16 0.00 | 47.59 2.87 -10.66 | 40.22 1.96 -13.69 | 36.99 2.14 -8.85 | 46.69 2.96 0.00 |

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|------------------------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| MILLWOOD_13_KV_LOAD 356217 | 37.35 2.44 0.00 | 29.19 1.96 0.00 | 27.63 1.77 0.00 | 24.99 1.60 -0.38 | 22.70 1.41 0.00 | 24.18 1.42 0.00 | 26.45 1.58 0.00 | 32.62 2.03 0.00 | 31.86 2.33 0.00 | 31.03 2.45 0.00 | 34.06 2.81 -2.40 | 36.89 2.48 -9.97 | 37.02 3.35 0.00 | 43.19 4.11 0.00 | 44.92 4.28 0.00 | 43.07 4.13 0.00 | 52.16 5.05 0.00 | 64.29 6.20 0.00 | 78.75 7.20 0.00 | 65.31 5.51 0.00 | 47.80 3.08 -10.66 | 40.36 2.10 -13.69 | 37.12 2.27 -8.85 | 46.91 3.18 0.00 |
| MODEL_CITY_ENERGY 24167 | 35.30 0.39 0.00 | 27.43 0.20 0.00 | 26.00 0.14 0.00 | 23.06 -0.01 -0.05 | 21.31 0.02 0.00 | 22.74 -0.01 0.00 | 25.07 0.21 0.00 | 30.78 0.18 0.00 | 29.75 0.21 0.00 | 28.90 0.32 0.00 | 29.16 -0.03 -0.35 | 24.60 0.16 0.00 | 33.88 0.21 0.00 | 39.10 0.01 0.00 | 40.76 0.12 0.00 | 38.82 -0.11 0.00 | 47.10 -0.02 0.00 | 57.45 -0.63 0.00 | 70.31 -1.24 0.00 | 59.54 -0.25 0.00 | 35.49 -0.12 -1.55 | 26.41 -0.15 -1.99 | 27.06 -0.23 -1.29 | 44.07 0.34 0.00 |
| MODERN_LFGE_ 323580 | 35.30 0.39 0.00 | 27.43 0.20 0.00 | 26.00 0.14 0.00 | 23.06 -0.01 -0.05 | 21.31 0.02 0.00 | 22.74 -0.01 0.00 | 25.07 0.21 0.00 | 30.78 0.18 0.00 | 29.75 0.21 0.00 | 28.90 0.32 0.00 | 29.16 -0.03 -0.35 | 24.60 0.16 0.00 | 33.88 0.21 0.00 | 39.10 0.01 0.00 | 40.76 0.12 0.00 | 38.82 -0.11 0.00 | 47.10 -0.02 0.00 | 57.45 -0.63 0.00 | 70.31 -1.24 0.00 | 59.54 -0.25 0.00 | 35.49 -0.12 -1.55 | 26.41 -0.15 -1.99 | 27.06 -0.23 -1.29 | 44.07 0.34 0.00 |
| MOHAWK_PAPER___DRP 24187 | 36.66 1.74 0.00 | 28.70 1.46 0.00 | 27.27 1.41 0.00 | 24.79 1.28 -0.49 | 22.42 1.13 0.00 | 23.99 1.24 0.00 | 26.14 1.27 0.00 | 32.00 1.40 0.00 | 31.06 1.52 0.00 | 30.10 1.52 0.00 | 33.70 1.70 -3.15 | 27.97 1.47 -2.05 | 35.73 2.07 0.00 | 41.54 2.46 0.00 | 43.11 2.47 0.00 | 41.39 2.46 0.00 | 49.90 2.79 0.00 | 61.55 3.47 0.00 | 75.82 4.27 0.00 | 63.27 3.47 0.00 | 63.62 2.11 -27.46 | 61.33 1.50 -35.25 | 50.38 1.59 -22.79 | 45.85 2.12 0.00 |
| MOHICAN__35_KV_115KV_LD 80490 | 37.52 2.62 0.00 | 29.18 1.94 0.00 | 27.75 1.90 0.00 | 25.22 1.70 -0.51 | 22.79 1.50 0.00 | 24.45 1.70 0.00 | 26.76 1.89 0.00 | 32.85 2.25 0.00 | 31.84 2.31 0.00 | 30.79 2.21 0.00 | 34.45 2.37 -3.23 | 28.53 2.10 -1.99 | 36.57 2.91 0.00 | 42.45 3.36 0.00 | 43.99 3.35 0.00 | 42.27 3.34 0.00 | 50.97 3.85 0.00 | 63.06 4.97 0.00 | 78.42 6.87 0.00 | 65.36 5.56 0.00 | 71.87 3.42 -34.39 | 71.24 2.51 -44.16 | 57.09 2.53 -28.55 | 47.41 3.68 0.00 |
| MONGAUP___HYD 23641 | 37.31 2.40 0.00 | 29.25 2.01 0.00 | 27.71 1.86 0.00 | 25.02 1.66 -0.34 | 22.77 1.49 0.00 | 24.29 1.53 0.00 | 26.56 1.69 0.00 | 32.76 2.15 0.00 | 31.85 2.31 0.00 | 30.77 2.19 0.00 | 33.11 2.11 -2.15 | 19.06 1.62 7.01 | 35.47 1.81 0.00 | 41.40 2.31 0.00 | 43.46 2.82 0.00 | 41.58 2.65 0.00 | 50.41 3.30 0.00 | 62.31 4.22 0.00 | 76.85 5.30 0.00 | 64.14 4.34 0.00 | 46.04 2.46 -9.52 | 38.46 1.66 -12.22 | 35.76 1.86 -7.90 | 46.72 3.00 0.00 |
| MONTAUK___DIESEL 23721 | 56.91 5.35 -16.66 | 31.43 4.19 0.00 | 29.73 3.87 0.00 | 26.68 3.28 -0.38 | 24.27 2.98 0.00 | 25.86 3.10 0.00 | 28.17 3.30 0.00 | 34.96 4.36 0.00 | 34.30 4.77 0.00 | 38.41 5.20 -4.64 | 72.02 5.31 -37.87 | 114.38 4.77 -85.17 | 144.82 6.68 -104.47 | 202.14 7.94 -155.11 | 153.19 8.23 -104.32 | 193.84 8.02 -146.89 | 176.21 9.74 -119.35 | 201.51 12.07 -131.36 | 235.12 14.08 -149.49 | 182.09 11.13 -111.18 | 147.63 6.23 -107.35 | 123.23 4.30 -94.36 | 75.70 4.65 -45.05 | 84.39 7.07 -33.60 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 36.28 1.37 0.00 | 28.20 0.96 0.00 | 26.69 0.84 0.00 | 23.75 0.67 -0.06 | 22.02 0.73 0.00 | 23.55 0.79 0.00 | 26.01 1.15 0.00 | 31.79 1.19 0.00 | 30.85 1.31 0.00 | 30.32 1.74 0.00 | 30.82 1.57 -0.40 | 25.96 1.52 0.00 | 36.04 2.37 0.00 | 41.87 2.78 0.00 | 43.76 3.12 0.00 | 41.17 2.24 0.00 | 50.62 3.51 0.00 | 61.97 3.88 0.00 | 76.02 4.47 0.00 | 63.47 3.67 0.00 | 37.72 1.82 -1.84 | 28.02 1.09 -2.36 | 28.59 1.06 -1.52 | 45.81 2.08 0.00 |
| MORTIMER_115KV_TB3 55949 | 35.94 1.03 0.00 | 27.92 0.68 0.00 | 26.39 0.53 0.00 | 23.43 0.37 -0.04 | 21.66 0.37 0.00 | 23.15 0.40 0.00 | 25.46 0.60 0.00 | 31.36 0.76 0.00 | 30.38 0.85 0.00 | 29.57 0.99 0.00 | 29.99 0.86 -0.28 | 25.29 0.85 0.00 | 34.92 1.25 0.00 | 40.52 1.43 0.00 | 42.22 1.58 0.00 | 40.34 1.41 0.00 | 48.93 1.82 0.00 | 60.03 1.94 0.00 | 73.73 2.18 0.00 | 61.97 2.17 0.00 | 36.41 1.15 -1.20 | 26.87 0.76 -1.54 | 27.69 0.69 -1.00 | 45.14 1.41 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 37.44 2.53 0.00 | 29.30 2.07 0.00 | 27.70 1.85 0.00 | 25.07 1.68 -0.38 | 22.77 1.48 0.00 | 24.22 1.47 0.00 | 26.52 1.65 0.00 | 32.71 2.12 0.00 | 31.99 2.45 0.00 | 31.10 2.52 0.00 | 34.14 2.87 -2.42 | 35.95 2.53 -8.97 | 37.05 3.38 0.00 | 43.21 4.12 0.00 | 44.92 4.28 0.00 | 43.06 4.13 0.00 | 52.15 5.04 0.00 | 64.25 6.16 0.00 | 78.63 7.07 0.00 | 65.19 5.39 0.00 | 47.80 3.00 -10.74 | 40.43 2.06 -13.80 | 37.20 2.28 -8.92 | 46.90 3.18 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 38.78 3.26 -0.61 | 29.61 2.33 -0.05 | 27.97 2.11 0.00 | 24.97 1.85 -0.10 | 23.10 1.81 0.00 | 24.81 2.05 0.00 | 27.34 2.43 -0.04 | 33.67 3.08 0.00 | 32.87 3.17 -0.16 | 31.87 3.10 -0.19 | 32.58 2.88 -0.85 | 27.02 2.58 0.00 | 37.49 3.83 0.00 | 43.37 4.28 0.00 | 45.07 4.43 0.00 | 43.04 4.11 0.00 | 52.58 5.46 0.00 | 64.94 6.85 0.00 | 80.52 8.96 0.00 | 67.65 7.85 0.00 | 42.95 4.36 -4.53 | 33.31 2.92 -5.82 | 32.67 2.91 -3.76 | 48.32 4.59 0.00 |
| N SALMON___HYD 24042 | 33.62 -1.29 0.00 | 26.19 -1.05 0.00 | 25.11 -0.74 0.00 | 22.23 -0.78 0.00 | 20.50 -0.79 0.00 | 21.95 -0.80 0.00 | 24.05 -0.81 0.00 | 29.72 -0.88 0.00 | 28.57 -0.97 0.00 | 27.47 -1.12 0.00 | 27.32 -1.53 0.00 | 19.12 -1.53 3.80 | 31.52 -2.15 0.00 | 36.64 -2.45 0.00 | 38.24 -2.40 0.00 | 36.69 -2.24 0.00 | 41.08 -2.85 3.19 | 16.74 -3.66 37.68 | 47.69 -3.65 20.22 | 57.03 -2.76 0.00 | 32.44 -1.61 0.00 | 23.64 -0.93 0.00 | 25.08 -0.92 0.00 | 42.77 -0.96 0.00 |
| N.AKRON__115KV_KNAPP 355671 | 36.16 1.25 0.00 | 28.07 0.84 0.00 | 26.57 0.71 0.00 | 23.55 0.48 -0.05 | 21.77 0.48 0.00 | 23.26 0.51 0.00 | 25.66 0.79 0.00 | 31.55 0.96 0.00 | 30.54 1.00 0.00 | 29.66 1.08 0.00 | 29.86 0.68 -0.33 | 25.17 0.73 0.00 | 34.76 1.09 0.00 | 40.14 1.06 0.00 | 41.79 1.15 0.00 | 39.83 0.90 0.00 | 48.35 1.23 0.00 | 59.11 1.03 0.00 | 72.50 0.94 0.00 | 61.36 1.56 0.00 | 36.41 0.88 -1.48 | 27.03 0.55 -1.90 | 27.82 0.59 -1.23 | 45.35 1.62 0.00 |
| N.BELMOR_69_KV_BK1 55787 | 59.60 3.21 -21.48 | 29.81 2.58 0.00 | 28.16 2.30 0.00 | 25.43 2.03 -0.38 | 23.12 1.83 0.00 | 24.61 1.86 0.00 | 26.82 1.95 0.00 | 33.12 2.53 0.00 | 32.46 2.93 0.00 | 36.25 3.03 -4.64 | 70.05 3.34 -37.87 | 111.82 2.97 -84.41 | 127.99 4.02 -90.31 | 130.46 4.85 -86.53 | 134.37 5.00 -88.74 | 139.95 4.83 -96.18 | 141.70 5.92 -88.66 | 136.76 7.26 -71.42 | 182.45 8.49 -102.41 | 172.47 6.57 -106.10 | 124.08 3.68 -86.34 | 43.29 2.55 -16.17 | 41.14 2.80 -12.34 | 47.61 3.88 0.00 |
| N.E._GEN_SANDY PD 24062 | 36.08 1.72 0.55 | 28.70 1.47 0.00 | 27.27 1.41 0.00 | 24.74 1.28 -0.44 | 22.41 1.13 0.00 | 23.97 1.21 0.00 | 26.43 1.25 -0.31 | 31.54 1.36 0.41 | 31.07 1.53 0.00 | 29.25 1.56 0.90 | 33.84 1.91 -3.08 | 29.23 1.60 -3.18 | 35.84 2.17 0.00 | 41.69 2.60 0.00 | 42.81 2.59 0.42 | 41.91 2.52 -0.45 | 49.31 2.83 0.64 | 61.61 3.52 0.00 | 75.78 4.23 0.00 | 62.97 3.34 0.17 | 52.01 2.04 -15.91 | 46.19 1.47 -20.15 | 40.66 1.63 -13.02 | 45.61 2.16 0.28 |

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| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 37.09 2.18 0.00 | 29.00 1.76 0.00 | 27.43 1.57 0.00 | 24.79 1.41 -0.36 | 22.53 1.25 0.00 | 23.99 1.23 0.00 | 26.23 1.37 0.00 | 32.38 1.78 0.00 | 31.63 2.09 0.00 | 30.80 2.22 0.00 | 33.75 2.59 -2.31 | 14.66 2.28 12.07 | 36.79 3.13 0.00 | 42.97 3.89 0.00 | 44.69 4.05 0.00 | 42.85 3.92 0.00 | 51.93 4.81 0.00 | 64.01 5.92 0.00 | 78.42 6.87 0.00 | 65.01 5.21 0.00 | 47.17 2.88 -10.24 | 39.66 1.94 -13.15 | 36.60 2.10 -8.50 | 46.65 2.92 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 37.47 2.56 0.00 | 29.32 2.09 0.00 | 27.72 1.86 0.00 | 25.11 1.72 -0.38 | 22.73 1.44 0.00 | 24.17 1.41 0.00 | 26.48 1.61 0.00 | 32.70 2.10 0.00 | 32.01 2.48 0.00 | 31.10 2.52 0.00 | 34.12 2.85 -2.42 | 35.93 2.51 -8.98 | 37.16 3.50 0.00 | 43.38 4.29 0.00 | 45.05 4.41 0.00 | 43.08 4.16 0.00 | 52.08 4.97 0.00 | 64.12 6.04 0.00 | 78.46 6.90 0.00 | 65.12 5.33 0.00 | 47.79 2.99 -10.74 | 40.43 2.07 -13.79 | 37.20 2.28 -8.92 | 46.94 3.22 0.00 |
| N.TROY___115KV_TB1 355778 | 36.59 1.68 0.00 | 28.68 1.44 0.00 | 27.27 1.42 0.00 | 24.80 1.29 -0.49 | 22.42 1.14 0.00 | 24.01 1.25 0.00 | 26.14 1.27 0.00 | 31.96 1.37 0.00 | 31.01 1.47 0.00 | 30.03 1.45 0.00 | 33.68 1.67 -3.16 | 27.96 1.43 -2.10 | 35.67 2.01 0.00 | 41.44 2.35 0.00 | 42.95 2.31 0.00 | 41.21 2.28 0.00 | 49.60 2.49 0.00 | 61.24 3.15 0.00 | 75.52 3.96 0.00 | 63.04 3.25 0.00 | 66.63 2.04 -30.54 | 65.26 1.48 -39.21 | 52.93 1.58 -25.35 | 45.87 2.14 0.00 |
| NARROWS_GT1_1 24228 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT1_2 24229 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT1_3 24230 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT1_4 24231 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT1_5 24232 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT1_6 24233 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT1_7 24234 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT1_8 24235 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT2_1 24236 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT2_2 24237 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT2_3 24238 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT2_4 24239 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |

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| NARROWS_GT2_5 24240 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT2_6 24241 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT2_7 24242 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NARROWS_GT2_8 24243 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.21 2.62 0.00 | 34.24 2.97 -2.42 | 36.03 2.61 -8.98 | 37.12 3.45 0.00 | 43.31 4.22 0.00 | 51.08 4.35 -6.10 | 43.15 4.21 -0.01 | 52.25 5.12 -0.01 | 64.29 6.20 0.00 | 78.58 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.20 2.29 -8.92 | 46.98 3.25 0.00 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 36.93 2.02 0.00 | 28.91 1.68 0.00 | 27.47 1.61 0.00 | 24.92 1.45 -0.46 | 22.57 1.28 0.00 | 24.21 1.46 0.00 | 26.40 1.53 0.00 | 32.21 1.61 0.00 | 31.04 1.50 0.00 | 29.87 1.28 0.00 | 33.03 1.27 -2.91 | 27.05 1.05 -1.56 | -72.47 1.56 107.70 | 12.44 1.92 28.56 | 42.56 1.92 0.00 | 40.89 1.95 0.00 | 49.34 2.23 0.00 | 61.06 2.97 0.00 | 75.52 3.97 0.00 | 63.35 3.55 0.00 | 55.00 2.22 -18.72 | 50.14 1.52 -24.04 | 43.09 1.54 -15.54 | 45.78 2.05 0.00 |
| NCHELSEA_115KV_TR2 355582 | 37.53 2.61 0.00 | 29.29 2.05 0.00 | 27.72 1.87 0.00 | 25.08 1.68 -0.38 | 22.78 1.49 0.00 | 24.29 1.53 0.00 | 26.56 1.69 0.00 | 32.75 2.15 0.00 | 31.98 2.44 0.00 | 31.14 2.55 0.00 | 34.21 2.93 -2.43 | 27.02 2.57 0.00 | 37.17 3.50 0.00 | 43.34 4.26 0.00 | 45.08 4.44 0.00 | 43.24 4.31 0.00 | 52.40 5.28 0.00 | 64.61 6.52 0.00 | 79.26 7.71 0.00 | 65.80 6.00 0.00 | 48.26 3.34 -10.85 | 40.80 2.29 -13.94 | 37.45 2.43 -9.01 | 47.18 3.45 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 37.27 2.36 0.00 | 29.11 1.88 0.00 | 27.66 1.80 0.00 | 25.13 1.62 -0.50 | 22.73 1.44 0.00 | 24.33 1.58 0.00 | 26.56 1.70 0.00 | 32.56 1.96 0.00 | 31.61 2.07 0.00 | 30.64 2.06 0.00 | 34.36 2.31 -3.20 | 28.52 2.05 -2.03 | 36.53 2.87 0.00 | 42.42 3.33 0.00 | 44.01 3.38 0.00 | 42.25 3.32 0.00 | 50.92 3.80 0.00 | 62.90 4.81 0.00 | 77.71 6.15 0.00 | 64.84 5.05 0.00 | 70.37 3.05 -33.27 | 69.43 2.14 -42.72 | 55.82 2.20 -27.62 | 46.90 3.17 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 35.57 0.30 -0.36 | 27.38 0.12 -0.03 | 25.86 0.00 0.00 | 22.99 -0.07 -0.04 | 21.26 -0.03 0.00 | 22.74 -0.02 0.00 | 25.02 0.12 -0.02 | 30.83 0.23 0.00 | 29.98 0.35 -0.09 | 29.18 0.49 -0.11 | 29.66 0.43 -0.38 | 24.96 0.51 0.00 | 34.48 0.81 0.00 | 40.02 0.93 0.00 | 41.66 1.03 0.00 | 39.85 0.92 0.00 | 48.35 1.23 0.00 | 59.42 1.34 0.00 | 73.06 1.50 0.00 | 61.26 1.47 0.00 | 35.91 0.70 -1.16 | 26.47 0.40 -1.49 | 27.26 0.29 -0.97 | 44.33 0.60 0.00 |
| NEG CENTRAL___DRP 24199 | 36.57 0.72 -0.94 | 27.73 0.42 -0.07 | 26.18 0.32 0.00 | 23.37 0.30 -0.05 | 21.61 0.32 0.00 | 23.13 0.38 0.00 | 25.44 0.51 -0.06 | 31.28 0.69 0.00 | 30.56 0.77 -0.25 | 29.72 0.84 -0.29 | 30.24 0.80 -0.59 | 25.28 0.83 0.00 | 34.97 1.31 0.00 | 40.64 1.55 0.00 | 42.20 1.56 0.00 | 40.32 1.39 0.00 | 49.28 1.85 -0.32 | 62.17 2.29 -1.79 | 74.52 2.96 0.00 | 62.30 2.51 0.00 | 36.65 1.30 -1.29 | 27.04 0.81 -1.66 | 27.84 0.76 -1.07 | 44.88 1.15 0.00 |
| NEG CENTRAL___INDECK 23768 | 36.40 1.49 0.00 | 28.21 0.97 0.00 | 26.64 0.79 0.00 | 23.74 0.66 -0.06 | 21.99 0.70 0.00 | 23.53 0.78 0.00 | 25.92 1.05 0.00 | 31.89 1.29 0.00 | 30.48 0.94 0.00 | 29.21 0.62 0.00 | 29.36 0.12 -0.39 | 24.54 0.10 0.00 | 33.73 0.06 0.00 | 39.12 0.03 0.00 | 41.04 0.40 0.00 | 39.10 0.17 0.00 | 47.41 0.29 0.00 | 58.12 0.03 0.00 | 72.24 0.69 0.00 | 61.02 1.23 0.00 | 36.91 1.07 -1.79 | 27.65 0.78 -2.30 | 28.15 0.66 -1.49 | 44.49 0.76 0.00 |
| NEG CENTRAL___SENECA 23627 | 36.39 1.00 -0.48 | 27.87 0.60 -0.04 | 26.32 0.46 0.00 | 23.53 0.46 -0.05 | 21.76 0.47 0.00 | 23.31 0.55 0.00 | 25.62 0.73 -0.03 | 31.55 0.96 0.00 | 30.72 1.06 -0.13 | 29.86 1.13 -0.15 | 30.40 1.08 -0.47 | 25.57 1.12 0.00 | 35.38 1.71 0.00 | 41.13 2.04 0.00 | 42.72 2.08 0.00 | 40.75 1.82 0.00 | 49.50 2.39 0.00 | 61.03 2.94 0.00 | 75.38 3.82 0.00 | 63.03 3.24 0.00 | 37.21 1.69 -1.46 | 27.51 1.06 -1.88 | 28.25 1.03 -1.21 | 45.32 1.59 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 37.14 0.88 -1.35 | 27.91 0.57 -0.10 | 26.34 0.48 0.00 | 23.48 0.42 -0.05 | 21.72 0.43 0.00 | 23.24 0.49 0.00 | 25.57 0.61 -0.09 | 31.38 0.78 0.00 | 30.73 0.84 -0.36 | 29.92 0.92 -0.42 | 30.48 0.93 -0.70 | 25.23 0.78 0.00 | 34.80 1.13 0.00 | 40.51 1.42 0.00 | 42.28 1.65 0.00 | 40.47 1.53 0.00 | 49.46 1.99 -0.35 | 62.55 2.50 -1.97 | 74.77 3.22 0.00 | 62.46 2.66 0.00 | 36.73 1.40 -1.27 | 27.16 0.95 -1.64 | 27.89 0.83 -1.06 | 45.08 1.35 0.00 |
| NEG MILLWOOD___DRP 24198 | 37.66 2.75 0.00 | 29.41 2.17 0.00 | 27.82 1.96 0.00 | 25.16 1.76 -0.39 | 22.86 1.57 0.00 | 24.37 1.61 0.00 | 26.66 1.79 0.00 | 32.88 2.28 0.00 | 32.12 2.58 0.00 | 31.28 2.70 0.00 | 34.41 3.11 -2.46 | 30.51 2.75 -3.32 | 37.41 3.75 0.00 | 43.66 4.57 0.00 | 45.42 4.78 0.00 | 43.58 4.64 0.00 | 52.78 5.66 0.00 | 65.05 6.97 0.00 | 79.74 8.18 0.00 | 66.16 6.37 0.00 | 48.56 3.55 -10.95 | 41.05 2.41 -14.06 | 37.66 2.57 -9.09 | 47.36 3.64 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 32.65 -2.26 0.00 | 25.47 -1.77 0.00 | 24.90 -0.96 0.00 | 21.99 -1.03 0.00 | 20.23 -1.06 0.00 | 21.63 -1.13 0.00 | 23.51 -1.36 0.00 | 28.89 -1.70 0.00 | 27.86 -1.67 0.00 | 26.80 -1.79 0.00 | 26.58 -2.27 0.00 | 18.17 -2.22 4.06 | 30.52 -3.14 0.00 | 35.46 -3.63 0.00 | 37.19 -3.45 0.00 | 35.78 -3.15 0.00 | 41.34 -3.95 1.83 | 21.46 -5.24 31.39 | 44.43 -5.53 21.60 | 55.61 -4.19 0.00 | 31.71 -2.35 0.00 | 23.00 -1.57 0.00 | 24.33 -1.67 0.00 | 41.62 -2.11 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 33.31 -1.60 0.00 | 25.98 -1.26 0.00 | 24.98 -0.88 0.00 | 22.11 -0.90 0.00 | 20.36 -0.93 0.00 | 21.78 -0.98 0.00 | 23.84 -1.03 0.00 | 29.43 -1.16 0.00 | 28.32 -1.22 0.00 | 27.21 -1.37 0.00 | 27.05 -1.79 0.00 | 18.68 -1.77 3.99 | 31.14 -2.52 0.00 | 36.14 -2.95 0.00 | 37.83 -2.80 0.00 | 36.37 -2.56 0.00 | 41.68 -3.24 2.19 | 20.77 -4.24 33.07 | 45.99 -4.33 21.23 | 56.53 -3.27 0.00 | 32.14 -1.92 0.00 | 23.34 -1.24 0.00 | 24.76 -1.25 0.00 | 42.35 -1.38 0.00 |

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| NEG NORTH___ALICE_FALLS 23915 | 33.05 -1.86 0.00 | 25.75 -1.48 0.00 | 25.02 -0.84 0.00 | 22.10 -0.92 0.00 | 20.32 -0.97 0.00 | 21.74 -1.01 0.00 | 23.73 -1.14 0.00 | 29.23 -1.37 0.00 | 28.18 -1.36 0.00 | 27.09 -1.49 0.00 | 26.89 -1.96 0.00 | 18.46 -1.94 4.05 | 30.92 -2.74 0.00 | 35.94 -3.15 0.00 | 37.70 -2.94 0.00 | 36.29 -2.65 0.00 | 41.90 -3.33 1.88 | 21.92 -4.51 31.66 | 45.46 -4.55 21.54 | 56.42 -3.38 0.00 | 32.14 -1.92 0.00 | 23.32 -1.25 0.00 | 24.67 -1.33 0.00 | 42.17 -1.56 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 33.05 -1.86 0.00 | 25.75 -1.48 0.00 | 25.02 -0.84 0.00 | 22.10 -0.92 0.00 | 20.32 -0.97 0.00 | 21.74 -1.01 0.00 | 23.73 -1.14 0.00 | 29.23 -1.37 0.00 | 28.18 -1.36 0.00 | 27.09 -1.49 0.00 | 26.89 -1.96 0.00 | 18.46 -1.94 4.05 | 30.92 -2.74 0.00 | 35.94 -3.15 0.00 | 37.70 -2.94 0.00 | 36.29 -2.65 0.00 | 41.90 -3.33 1.88 | 21.92 -4.51 31.66 | 45.46 -4.55 21.54 | 56.42 -3.38 0.00 | 32.14 -1.92 0.00 | 23.32 -1.25 0.00 | 24.67 -1.33 0.00 | 42.17 -1.56 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 33.05 -1.86 0.00 | 25.75 -1.48 0.00 | 25.02 -0.84 0.00 | 22.10 -0.92 0.00 | 20.32 -0.97 0.00 | 21.74 -1.01 0.00 | 23.73 -1.14 0.00 | 29.23 -1.36 0.00 | 28.18 -1.36 0.00 | 27.09 -1.49 0.00 | 26.88 -1.96 0.00 | 18.46 -1.93 4.05 | 30.92 -2.74 0.00 | 35.94 -3.15 0.00 | 37.70 -2.94 0.00 | 36.29 -2.64 0.00 | 41.90 -3.33 1.88 | 21.92 -4.51 31.66 | 45.45 -4.55 21.54 | 56.42 -3.38 0.00 | 32.14 -1.92 0.00 | 23.32 -1.25 0.00 | 24.67 -1.33 0.00 | 42.17 -1.56 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 35.44 0.53 0.00 | 27.54 0.31 0.00 | 26.07 0.21 0.00 | 23.11 0.04 -0.05 | 21.37 0.08 0.00 | 22.81 0.06 0.00 | 25.15 0.28 0.00 | 30.89 0.29 0.00 | 29.87 0.34 0.00 | 29.05 0.47 0.00 | 29.30 0.11 -0.34 | 24.69 0.25 0.00 | 34.07 0.40 0.00 | 39.31 0.22 0.00 | 40.95 0.32 0.00 | 39.01 0.08 0.00 | 47.36 0.24 0.00 | 57.80 -0.28 0.00 | 70.79 -0.76 0.00 | 59.91 0.12 0.00 | 35.66 0.07 -1.53 | 26.52 -0.02 -1.97 | 27.20 -0.07 -1.27 | 44.31 0.58 0.00 |
| NEG WEST___LANCASTR 23811 | 35.94 1.03 0.00 | 27.86 0.62 0.00 | 26.32 0.46 0.00 | 23.36 0.28 -0.06 | 21.62 0.33 0.00 | 23.10 0.35 0.00 | 25.48 0.61 0.00 | 31.39 0.80 0.00 | 30.45 0.91 0.00 | 29.69 1.11 0.00 | 30.06 0.81 -0.40 | 25.35 0.91 0.00 | 35.06 1.40 0.00 | 40.64 1.55 0.00 | 42.35 1.71 0.00 | 40.26 1.33 0.00 | 48.92 1.80 0.00 | 59.82 1.73 0.00 | 73.44 1.89 0.00 | 61.79 1.99 0.00 | 36.90 1.01 -1.84 | 27.53 0.61 -2.36 | 28.09 0.56 -1.52 | 45.11 1.38 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 36.30 0.82 -0.57 | 27.77 0.49 -0.04 | 26.27 0.41 0.00 | 23.49 0.37 -0.11 | 21.66 0.37 0.00 | 23.19 0.43 0.00 | 25.48 0.58 -0.04 | 31.36 0.77 0.00 | 30.57 0.88 -0.15 | 29.73 0.97 -0.18 | 30.69 0.95 -0.89 | 25.38 0.93 0.00 | 35.05 1.39 0.00 | 40.81 1.72 0.00 | 42.47 1.83 0.00 | 40.53 1.60 0.00 | 49.18 2.07 0.00 | 60.51 2.42 0.00 | 74.55 3.00 0.00 | 62.19 2.39 0.00 | 38.98 1.28 -3.64 | 30.03 0.77 -4.68 | 29.83 0.80 -3.03 | 44.91 1.18 0.00 |
| NEG___GEN_MONROE 24207 | 36.15 1.24 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.34 0.58 0.00 | 25.69 0.82 0.00 | 31.61 1.02 0.00 | 30.65 1.11 0.00 | 29.76 1.18 0.00 | 30.10 0.97 -0.28 | 25.41 0.97 0.00 | 35.11 1.45 0.00 | 40.70 1.60 0.00 | 42.30 1.66 0.00 | 40.41 1.48 0.00 | 49.04 1.92 0.00 | 60.17 2.08 0.00 | 74.01 2.46 0.00 | 62.34 2.54 0.00 | 36.67 1.40 -1.22 | 27.07 0.94 -1.56 | 27.94 0.93 -1.01 | 45.46 1.74 0.00 |
| NEPA___ENERGY 23901 | 36.04 1.12 0.00 | 27.84 0.60 0.00 | 26.30 0.45 0.00 | 23.37 0.29 -0.06 | 21.66 0.37 0.00 | 23.19 0.44 0.00 | 25.62 0.76 0.00 | 31.57 0.97 0.00 | 30.62 1.08 0.00 | 29.93 1.35 0.00 | 30.37 1.12 -0.40 | 25.58 1.13 0.00 | 35.48 1.82 0.00 | 41.39 2.30 0.00 | 43.21 2.58 0.00 | 40.88 1.95 0.00 | 49.76 2.64 0.00 | 60.94 2.86 0.00 | 74.92 3.37 0.00 | 62.55 2.76 0.00 | 37.31 1.39 -1.86 | 27.76 0.80 -2.38 | 28.33 0.79 -1.54 | 45.28 1.55 0.00 |
| NEVERSINK___HYD 23608 | 36.90 1.99 0.00 | 28.75 1.52 0.00 | 27.19 1.33 0.00 | 24.52 1.18 -0.33 | 22.33 1.04 0.00 | 23.78 1.03 0.00 | 26.01 1.15 0.00 | 32.14 1.54 0.00 | 31.39 1.85 0.00 | 30.59 2.00 0.00 | 33.30 2.36 -2.09 | 25.28 2.17 1.33 | 25.14 2.92 11.45 | 38.66 2.61 3.04 | 43.51 2.88 0.00 | 41.71 2.78 0.00 | 50.67 3.56 0.00 | 62.71 4.62 0.00 | 77.09 5.53 0.00 | 64.05 4.26 0.00 | 46.11 2.39 -9.66 | 39.07 2.10 -12.40 | 36.17 2.15 -8.02 | 46.74 3.01 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 36.06 1.15 0.00 | 28.25 1.02 0.00 | 26.85 0.99 0.00 | 24.42 0.92 -0.49 | 22.08 0.80 0.00 | 23.63 0.87 0.00 | 25.74 0.88 0.00 | 31.49 0.89 0.00 | 30.55 1.01 0.00 | 29.58 1.00 0.00 | 33.12 1.14 -3.13 | 27.48 0.99 -2.05 | 35.05 1.38 0.00 | 40.75 1.66 0.00 | 42.28 1.64 0.00 | 40.57 1.64 0.00 | 48.91 1.80 0.00 | 60.31 2.22 0.00 | 74.21 2.65 0.00 | 61.89 2.10 0.00 | 60.69 1.32 -25.32 | 58.03 0.94 -32.51 | 48.04 1.02 -21.02 | 44.90 1.17 0.00 |
| NEWTON___FALLS_HYD 23847 | 34.87 -0.54 -0.50 | 26.66 -0.61 -0.04 | 25.27 -0.58 0.00 | 22.41 -0.62 -0.01 | 20.85 -0.44 0.00 | 22.42 -0.34 0.00 | 24.63 -0.27 -0.03 | 30.35 -0.24 0.00 | 29.23 -0.44 -0.13 | 28.14 -0.60 -0.15 | 28.22 -0.85 -0.21 | 21.34 -0.95 2.15 | 32.27 -1.39 0.00 | 37.72 -1.37 0.00 | 39.01 -1.63 0.00 | 37.08 -1.85 0.00 | 33.16 -2.15 11.81 | -7.26 -2.47 62.87 | 57.73 -2.36 11.46 | 58.09 -1.70 0.00 | 33.04 -1.02 0.00 | 24.05 -0.52 0.00 | 25.66 -0.34 0.00 | 43.34 -0.39 0.00 |
| NGRID_A1_DSASP 323792 | 35.24 0.33 0.00 | 27.39 0.16 0.00 | 25.88 0.02 0.00 | 22.95 -0.12 -0.06 | 21.21 -0.08 0.00 | 22.62 -0.13 0.00 | 24.94 0.07 0.00 | 30.60 0.00 0.00 | 29.62 0.08 0.00 | 28.84 0.26 0.00 | 29.12 -0.08 -0.35 | 24.55 0.11 0.00 | 33.80 0.13 0.00 | 38.86 -0.22 0.00 | 40.41 -0.23 0.00 | 38.48 -0.45 0.00 | 46.67 -0.45 0.00 | 56.91 -1.18 0.00 | 69.57 -1.99 0.00 | 58.93 -0.87 0.00 | 35.19 -0.43 -1.56 | 26.21 -0.37 -2.01 | 26.83 -0.46 -1.30 | 43.83 0.11 0.00 |
| NGRID_A2_DSASP 323793 | 35.24 0.33 0.00 | 27.39 0.16 0.00 | 25.88 0.02 0.00 | 22.95 -0.12 -0.06 | 21.21 -0.08 0.00 | 22.62 -0.13 0.00 | 24.94 0.07 0.00 | 30.60 0.00 0.00 | 29.62 0.08 0.00 | 28.84 0.26 0.00 | 29.12 -0.08 -0.35 | 24.55 0.11 0.00 | 33.80 0.13 0.00 | 38.86 -0.22 0.00 | 40.41 -0.23 0.00 | 38.48 -0.45 0.00 | 46.67 -0.45 0.00 | 56.91 -1.18 0.00 | 69.57 -1.99 0.00 | 58.93 -0.87 0.00 | 35.19 -0.43 -1.56 | 26.21 -0.37 -2.01 | 26.83 -0.46 -1.30 | 43.83 0.11 0.00 |
| NGRID_A4_DSASP 323807 | 35.24 0.33 0.00 | 27.40 0.16 0.00 | 25.88 0.02 0.00 | 22.95 -0.12 -0.06 | 21.21 -0.08 0.00 | 22.63 -0.13 0.00 | 24.94 0.07 0.00 | 30.60 0.00 0.00 | 29.60 0.07 0.00 | 28.84 0.26 0.00 | 29.12 -0.08 -0.35 | 24.53 0.08 0.00 | 33.80 0.13 0.00 | 38.84 -0.24 0.00 | 40.36 -0.27 0.00 | 38.46 -0.47 0.00 | 46.66 -0.46 0.00 | 56.88 -1.20 0.00 | 69.57 -1.98 0.00 | 58.93 -0.87 0.00 | 35.17 -0.45 -1.56 | 26.21 -0.37 -2.01 | 26.83 -0.47 -1.30 | 43.84 0.11 0.00 |
| NIAGARA_115E_LBMP 323715 | 35.16 0.25 0.00 | 27.33 0.09 0.00 | 25.92 0.07 0.00 | 22.99 -0.08 -0.06 | 21.24 -0.05 0.00 | 22.67 -0.08 0.00 | 24.99 0.12 0.00 | 30.66 0.06 0.00 | 29.62 0.08 0.00 | 28.77 0.19 0.00 | 29.03 -0.17 -0.35 | 24.49 0.05 0.00 | 33.70 0.04 0.00 | 38.89 -0.20 0.00 | 40.55 -0.09 0.00 | 38.62 -0.32 0.00 | 46.85 -0.26 0.00 | 57.12 -0.96 0.00 | 69.89 -1.66 0.00 | 59.22 -0.58 0.00 | 35.33 -0.29 -1.57 | 26.30 -0.28 -2.01 | 26.93 -0.37 -1.30 | 43.86 0.13 0.00 |

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| NIAGARA_115W_LBMP 323714 | 35.17 0.26 0.00 | 27.34 0.11 0.00 | 25.83 -0.02 0.00 | 22.91 -0.16 -0.05 | 21.17 -0.12 0.00 | 22.59 -0.17 0.00 | 24.89 0.03 0.00 | 30.53 -0.06 0.00 | 29.56 0.02 0.00 | 28.78 0.20 0.00 | 29.06 -0.14 -0.35 | 24.50 0.06 0.00 | 33.73 0.07 0.00 | 38.77 -0.32 0.00 | 40.29 -0.34 0.00 | 38.37 -0.57 0.00 | 46.54 -0.57 0.00 | 56.75 -1.34 0.00 | 69.37 -2.18 0.00 | 58.78 -1.02 0.00 | 35.09 -0.53 -1.56 | 26.14 -0.44 -2.00 | 26.77 -0.53 -1.30 | 43.74 0.01 0.00 |
| NIAGARA_230_LBMP 323716 | 35.37 0.46 0.00 | 27.50 0.27 0.00 | 26.00 0.14 0.00 | 23.06 -0.01 -0.05 | 21.31 0.03 0.00 | 22.74 -0.01 0.00 | 25.07 0.20 0.00 | 30.76 0.16 0.00 | 29.77 0.23 0.00 | 28.97 0.38 0.00 | 29.26 0.07 -0.34 | 24.67 0.23 0.00 | 33.99 0.33 0.00 | 39.22 0.13 0.00 | 40.87 0.23 0.00 | 38.92 -0.01 0.00 | 47.24 0.12 0.00 | 57.66 -0.42 0.00 | 70.60 -0.95 0.00 | 59.74 -0.06 0.00 | 35.56 -0.03 -1.54 | 26.47 -0.08 -1.97 | 27.12 -0.15 -1.28 | 44.13 0.40 0.00 |
| NIAGARA__115KV_198_GIBSON 55903 | 35.17 0.26 0.00 | 27.34 0.11 0.00 | 25.83 -0.02 0.00 | 22.91 -0.16 -0.05 | 21.17 -0.12 0.00 | 22.59 -0.17 0.00 | 24.89 0.02 0.00 | 30.53 -0.07 0.00 | 29.55 0.01 0.00 | 28.78 0.20 0.00 | 29.06 -0.14 -0.35 | 24.48 0.03 0.00 | 33.71 0.05 0.00 | 38.75 -0.34 0.00 | 40.25 -0.39 0.00 | 38.36 -0.57 0.00 | 46.53 -0.59 0.00 | 56.71 -1.37 0.00 | 69.36 -2.20 0.00 | 58.77 -1.03 0.00 | 35.08 -0.54 -1.56 | 26.13 -0.44 -2.00 | 26.76 -0.54 -1.30 | 43.74 0.01 0.00 |
| NIAGARA____ 23760 | 35.21 0.30 0.00 | 27.37 0.14 0.00 | 25.92 0.06 0.00 | 22.99 -0.08 -0.05 | 21.24 -0.04 0.00 | 22.67 -0.09 0.00 | 24.99 0.12 0.00 | 30.69 0.09 0.00 | 29.69 0.15 0.00 | 28.88 0.29 0.00 | 29.15 -0.04 -0.35 | 24.59 0.15 0.00 | 33.87 0.20 0.00 | 39.02 -0.07 0.00 | 40.64 0.00 0.00 | 38.70 -0.23 0.00 | 46.97 -0.15 0.00 | 57.31 -0.78 0.00 | 70.12 -1.44 0.00 | 59.35 -0.45 0.00 | 35.37 -0.24 -1.55 | 26.31 -0.26 -2.00 | 26.94 -0.35 -1.29 | 43.90 0.17 0.00 |
| NINE_MILE_1 23575 | 25.62 -0.89 8.40 | 25.86 -0.74 0.64 | 25.13 -0.73 0.00 | 22.38 -0.66 -0.02 | 20.70 -0.59 0.00 | 22.13 -0.62 0.00 | 23.64 -0.66 0.57 | 29.82 -0.78 0.00 | 26.61 -0.72 2.21 | 25.35 -0.63 2.60 | 25.77 -0.64 2.44 | 23.93 -0.51 0.00 | 32.98 -0.68 0.00 | 38.31 -0.78 0.00 | 39.82 -0.82 0.00 | 38.15 -0.78 0.00 | 46.25 -0.87 0.00 | 56.95 -1.13 0.00 | 70.16 -1.39 0.00 | 58.65 -1.14 0.00 | 33.33 -0.72 0.00 | 24.02 -0.55 0.00 | 25.38 -0.62 0.00 | 42.69 -1.04 0.00 |
| NINE_MILE_2 23744 | 25.49 -0.89 8.52 | 25.85 -0.74 0.65 | 25.13 -0.73 0.00 | 22.38 -0.66 -0.02 | 20.70 -0.59 0.00 | 22.13 -0.62 0.00 | 23.63 -0.66 0.58 | 29.82 -0.78 0.00 | 26.58 -0.72 2.24 | 25.31 -0.63 2.64 | 25.73 -0.64 2.48 | 23.93 -0.51 0.00 | 32.98 -0.68 0.00 | 38.31 -0.78 0.00 | 39.82 -0.82 0.00 | 38.15 -0.78 0.00 | 46.25 -0.87 0.00 | 56.95 -1.13 0.00 | 70.16 -1.39 0.00 | 58.65 -1.14 0.00 | 33.33 -0.72 0.00 | 24.02 -0.55 0.00 | 25.38 -0.62 0.00 | 42.69 -1.04 0.00 |
| NM_CAPITAL____DRP 24208 | 36.11 1.20 0.00 | 28.31 1.08 0.00 | 26.92 1.06 0.00 | 24.49 0.98 -0.49 | 22.14 0.85 0.00 | 23.68 0.93 0.00 | 25.79 0.92 0.00 | 31.53 0.94 0.00 | 30.59 1.05 0.00 | 29.62 1.04 0.00 | 33.18 1.21 -3.12 | 27.55 1.02 -2.08 | 35.09 1.43 0.00 | 40.80 1.70 0.00 | 42.33 1.70 0.00 | 40.63 1.70 0.00 | 48.94 1.82 0.00 | 60.35 2.27 0.00 | 74.28 2.72 0.00 | 61.96 2.16 0.00 | 60.48 1.37 -25.05 | 57.72 0.98 -32.17 | 47.88 1.08 -20.80 | 45.00 1.27 0.00 |
| NM_CENTRAL____DRP 24181 | 35.66 -0.06 -0.81 | 27.18 -0.12 -0.06 | 25.69 -0.16 0.00 | 22.89 -0.16 -0.03 | 21.17 -0.12 0.00 | 22.64 -0.11 0.00 | 24.85 -0.07 -0.06 | 30.55 -0.04 0.00 | 29.78 0.03 -0.21 | 28.96 0.12 -0.25 | 29.45 0.15 -0.45 | 24.64 0.20 0.00 | 34.01 0.34 0.00 | 39.52 0.43 0.00 | 41.09 0.45 0.00 | 39.35 0.42 0.00 | 48.23 0.61 -0.50 | 61.60 0.71 -2.81 | 72.40 0.85 0.00 | 60.49 0.70 0.00 | 34.35 0.29 0.00 | 24.70 0.13 0.00 | 26.08 0.08 0.00 | 43.80 0.07 0.00 |
| NM_FRONTIER____DRP 24179 | 35.17 0.26 0.00 | 27.34 0.11 0.00 | 25.83 -0.02 0.00 | 22.91 -0.16 -0.05 | 21.17 -0.12 0.00 | 22.59 -0.17 0.00 | 24.89 0.02 0.00 | 30.53 -0.07 0.00 | 29.55 0.01 0.00 | 28.78 0.20 0.00 | 29.06 -0.14 -0.35 | 24.48 0.03 0.00 | 33.71 0.05 0.00 | 38.75 -0.34 0.00 | 40.25 -0.39 0.00 | 38.36 -0.57 0.00 | 46.53 -0.59 0.00 | 56.71 -1.37 0.00 | 69.36 -2.20 0.00 | 58.77 -1.03 0.00 | 35.08 -0.54 -1.56 | 26.13 -0.44 -2.00 | 26.76 -0.54 -1.30 | 43.74 0.01 0.00 |
| NM_ST_REGIS____HYD 24053 | 33.66 -1.48 -0.23 | 26.06 -1.19 -0.02 | 24.83 -1.02 0.00 | 22.02 -1.00 0.00 | 20.38 -0.91 0.00 | 21.83 -0.92 0.00 | 23.93 -0.95 -0.02 | 29.52 -1.08 0.00 | 28.33 -1.26 -0.06 | 27.25 -1.40 -0.07 | 27.16 -1.76 -0.07 | 19.37 -1.72 3.35 | 31.22 -2.45 0.00 | 36.32 -2.77 0.00 | 37.66 -2.98 0.00 | 35.93 -3.00 0.00 | 37.92 -3.67 5.53 | 5.12 -4.46 48.50 | 48.92 -4.79 17.84 | 55.96 -3.83 0.00 | 31.88 -2.18 0.00 | 23.40 -1.17 0.00 | 24.89 -1.12 0.00 | 42.34 -1.39 0.00 |
| NORTHPORT____1 23551 | 54.32 2.92 -16.50 | 29.55 2.31 0.00 | 27.92 2.06 0.00 | 25.20 1.80 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.65 1.78 0.00 | 32.87 2.28 0.00 | 32.17 2.63 0.00 | 36.10 2.88 -4.64 | 69.94 3.22 -37.87 | 111.57 2.82 -84.31 | 127.47 3.67 -90.14 | 128.97 4.27 -85.61 | 131.97 4.26 -87.07 | 136.13 4.10 -93.11 | 134.50 4.96 -82.42 | 124.68 6.08 -60.51 | 114.96 6.98 -36.43 | 62.36 5.33 2.77 | 122.30 3.08 -85.16 | 42.01 2.22 -15.22 | 40.62 2.67 -11.94 | 45.90 3.79 1.61 |
| NORTHPORT____2 23552 | 54.32 2.92 -16.50 | 29.55 2.31 0.00 | 27.92 2.06 0.00 | 25.20 1.80 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.65 1.78 0.00 | 32.87 2.28 0.00 | 32.17 2.63 0.00 | 36.10 2.88 -4.64 | 69.94 3.22 -37.87 | 111.57 2.82 -84.31 | 127.47 3.67 -90.14 | 128.97 4.27 -85.61 | 131.97 4.26 -87.07 | 136.13 4.10 -93.11 | 134.50 4.96 -82.42 | 124.68 6.08 -60.51 | 114.96 6.98 -36.43 | 62.36 5.33 2.77 | 122.30 3.08 -85.16 | 42.01 2.22 -15.22 | 40.62 2.67 -11.94 | 45.90 3.79 1.61 |
| NORTHPORT____3 23553 | 54.31 2.93 -16.47 | 29.56 2.32 0.00 | 27.91 2.06 0.00 | 25.20 1.81 -0.38 | 22.93 1.64 0.00 | 24.44 1.69 0.00 | 26.63 1.77 0.00 | 32.85 2.25 0.00 | 32.16 2.62 0.00 | 36.07 2.85 -4.64 | 69.96 3.24 -37.87 | 111.67 2.81 -84.41 | 127.51 3.70 -90.14 | 129.26 4.57 -85.60 | 132.26 4.63 -86.99 | 136.34 4.44 -92.97 | 134.85 5.32 -82.42 | 125.14 6.55 -60.50 | 115.04 7.06 -36.43 | 62.39 5.36 2.76 | 121.87 3.26 -84.56 | 42.13 2.34 -15.22 | 40.63 2.68 -11.95 | 49.31 3.62 -1.96 |
| NORTHPORT____4 23650 | 54.31 2.93 -16.47 | 29.56 2.32 0.00 | 27.91 2.06 0.00 | 25.20 1.81 -0.38 | 22.93 1.64 0.00 | 24.44 1.69 0.00 | 26.63 1.77 0.00 | 32.85 2.25 0.00 | 32.16 2.62 0.00 | 36.07 2.85 -4.64 | 69.96 3.24 -37.87 | 111.67 2.81 -84.41 | 127.51 3.70 -90.14 | 129.26 4.57 -85.60 | 132.26 4.63 -86.99 | 136.34 4.44 -92.97 | 134.85 5.32 -82.42 | 125.14 6.55 -60.50 | 115.04 7.06 -36.43 | 62.39 5.36 2.76 | 121.87 3.26 -84.56 | 42.13 2.34 -15.22 | 40.63 2.68 -11.95 | 49.31 3.62 -1.96 |
| NORTHPORT____IC 23718 | 54.32 2.92 -16.50 | 29.55 2.31 0.00 | 27.92 2.06 0.00 | 25.20 1.80 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.65 1.78 0.00 | 32.87 2.28 0.00 | 32.17 2.63 0.00 | 36.10 2.88 -4.64 | 69.94 3.22 -37.87 | 111.57 2.82 -84.31 | 127.47 3.67 -90.14 | 128.97 4.27 -85.61 | 131.97 4.26 -87.07 | 136.13 4.10 -93.11 | 134.50 4.96 -82.42 | 124.68 6.08 -60.51 | 114.96 6.98 -36.43 | 62.36 5.33 2.77 | 122.30 3.08 -85.16 | 42.01 2.22 -15.22 | 40.62 2.67 -11.94 | 45.90 3.79 1.61 |

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|-------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| NORTH__COUNTRY_ESR 323785 | 33.24 -1.67 0.00 | 25.92 -1.32 0.00 | 24.92 -0.93 0.00 | 22.06 -0.95 0.00 | 20.31 -0.98 0.00 | 21.73 -1.03 0.00 | 23.78 -1.09 0.00 | 29.36 -1.23 0.00 | 28.26 -1.28 0.00 | 27.16 -1.42 0.00 | 27.00 -1.85 0.00 | 18.64 -1.82 3.99 | 31.07 -2.59 0.00 | 36.06 -3.03 0.00 | 37.76 -2.88 0.00 | 36.31 -2.62 0.00 | 41.59 -3.33 2.20 | 20.60 -4.38 33.11 | 45.84 -4.49 21.22 | 56.37 -3.43 0.00 | 32.04 -2.01 0.00 | 23.27 -1.30 0.00 | 24.70 -1.30 0.00 | 42.26 -1.47 0.00 |
| NPX_GEN_1385_PROXY 323591 | 53.52 2.11 -16.50 | 29.15 1.92 0.00 | 27.55 1.69 0.00 | 25.02 1.62 -0.38 | 23.16 1.87 0.00 | 24.48 1.91 0.18 | 27.04 2.17 0.00 | 32.91 2.31 0.00 | 31.75 2.21 0.00 | 35.67 2.44 -4.64 | 68.94 2.22 -37.87 | 42.29 2.03 -15.82 | 126.50 2.70 -90.14 | 121.37 3.42 -78.87 | 131.01 3.31 -87.07 | 136.24 4.21 -93.11 | 134.21 4.68 -82.42 | 124.10 5.51 -60.51 | 114.96 6.98 -36.43 | 61.87 4.85 2.77 | 121.82 2.60 -85.16 | 41.62 1.82 -15.22 | 39.77 1.82 -11.94 | 45.25 3.13 1.61 |
| NPX_GEN_CSC 323557 | 54.74 3.18 -16.65 | 29.72 2.49 0.00 | 28.09 2.23 0.00 | 25.25 1.85 -0.38 | 22.96 1.67 0.00 | 24.28 1.71 0.18 | 26.67 1.80 0.00 | 33.01 2.41 0.00 | 32.36 2.82 0.00 | 36.37 3.15 -4.64 | 70.19 3.48 -37.87 | 112.78 3.16 -85.17 | 142.53 4.35 -104.52 | 192.85 5.19 -148.57 | 149.14 5.23 -103.27 | 190.73 5.08 -146.72 | 171.02 6.15 -117.75 | 193.72 7.60 -128.03 | 213.66 8.78 -133.32 | 175.18 6.80 -108.58 | 145.27 3.89 -107.32 | 121.91 2.74 -94.60 | 74.25 3.10 -45.15 | 81.98 4.41 -33.85 |
| NSINS_S_GLNS_FALLS 23858 | 37.47 2.56 0.00 | 29.13 1.90 0.00 | 27.72 1.86 0.00 | 25.18 1.66 -0.51 | 22.75 1.47 0.00 | 24.42 1.66 0.00 | 26.73 1.86 0.00 | 32.81 2.22 0.00 | 31.81 2.27 0.00 | 30.77 2.19 0.00 | 34.41 2.33 -3.23 | 28.50 2.08 -1.98 | 36.50 2.83 0.00 | 42.33 3.24 0.00 | 43.88 3.24 0.00 | 42.19 3.26 0.00 | 50.87 3.75 0.00 | 62.93 4.85 0.00 | 78.29 6.73 0.00 | 65.22 5.42 0.00 | 71.92 3.35 -34.52 | 71.37 2.48 -44.33 | 57.15 2.49 -28.66 | 47.35 3.62 0.00 |
| NUCOR_STEEL__DRP 24197 | 36.97 0.59 -1.46 | 27.71 0.36 -0.11 | 26.14 0.28 0.00 | 23.30 0.24 -0.04 | 21.54 0.25 0.00 | 23.05 0.29 0.00 | 25.36 0.39 -0.10 | 31.10 0.51 0.00 | 30.48 0.56 -0.38 | 29.68 0.64 -0.45 | 30.22 0.64 -0.73 | 25.08 0.64 0.00 | 34.64 0.98 0.00 | 40.25 1.17 0.00 | 41.87 1.23 0.00 | 40.09 1.15 0.00 | 48.98 1.51 -0.36 | 61.98 1.86 -2.03 | 73.98 2.43 0.00 | 61.81 2.02 0.00 | 36.31 1.04 -1.21 | 26.86 0.73 -1.55 | 27.60 0.59 -1.00 | 44.73 1.00 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 35.94 0.44 -0.60 | 27.25 -0.03 -0.05 | 25.77 -0.09 0.00 | 22.83 -0.20 -0.01 | 21.33 0.04 0.00 | 23.02 0.26 0.00 | 25.31 0.40 -0.04 | 31.19 0.59 0.00 | 30.13 0.44 -0.16 | 29.03 0.27 -0.18 | 29.22 0.10 -0.27 | 23.46 -0.13 0.85 | 33.44 -0.23 0.00 | 39.23 0.14 0.00 | 40.65 0.00 0.00 | 38.64 -0.30 0.00 | 52.13 -0.18 -5.20 | 82.89 -0.02 -24.83 | 67.67 0.62 4.51 | 60.67 0.87 0.00 | 34.47 0.41 0.00 | 24.79 0.22 0.00 | 26.41 0.41 0.00 | 44.32 0.60 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 34.91 0.00 0.00 | 27.24 0.00 0.00 | 25.86 0.00 0.00 | 23.02 0.00 0.00 | 21.29 0.00 0.00 | 22.75 0.00 0.00 | 24.87 0.00 0.00 | 30.60 0.00 0.00 | 29.54 0.00 0.00 | 28.58 0.00 0.00 | 28.85 0.00 0.00 | 24.45 0.00 0.00 | 33.67 0.00 0.00 | 39.09 0.00 0.00 | 40.64 0.00 0.00 | 38.93 0.00 0.00 | 47.11 0.00 0.00 | 58.08 0.00 0.00 | 71.55 0.00 0.00 | 59.79 0.00 0.00 | 34.06 0.00 0.00 | 24.57 0.00 0.00 | 26.00 0.00 0.00 | 43.73 0.00 0.00 |
| NYPA_BRENTWD__GT 24164 | 55.34 3.59 -16.85 | 30.04 2.81 0.00 | 28.38 2.52 0.00 | 25.57 2.18 -0.38 | 23.28 1.99 0.00 | 24.81 2.05 0.00 | 27.04 2.18 0.00 | 33.43 2.83 0.00 | 32.75 3.21 0.00 | 36.67 3.45 -4.64 | 70.51 3.80 -37.87 | 113.38 3.38 -85.55 | 131.76 4.46 -93.64 | 146.79 5.10 -102.60 | 137.36 4.98 -91.73 | 150.91 4.81 -107.16 | 145.62 5.84 -92.67 | 145.37 7.18 -80.10 | 186.31 8.31 -106.45 | 172.76 6.42 -106.54 | 128.52 3.72 -90.74 | 61.81 2.72 -34.53 | 49.26 3.24 -20.02 | 57.13 4.69 -8.71 |
| NYPA_GOWANUS__GT5 24156 | 37.72 2.65 -0.16 | 29.41 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.77 -0.38 | 22.83 1.54 0.00 | 24.29 1.54 0.00 | 26.59 1.73 0.00 | 32.80 2.20 0.00 | 32.10 2.56 0.00 | 31.19 2.61 0.00 | 34.24 2.97 -2.42 | 36.03 2.60 -8.98 | 37.11 3.45 0.00 | 43.30 4.22 0.00 | 51.07 4.34 -6.10 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.01 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.44 2.07 -13.80 | 37.20 2.28 -8.92 | 46.97 3.24 0.00 |
| NYPA_GOWANUS__GT6 24157 | 37.72 2.65 -0.16 | 29.41 2.17 -0.01 | 27.80 1.94 0.00 | 25.17 1.77 -0.38 | 22.83 1.54 0.00 | 24.29 1.54 0.00 | 26.59 1.73 0.00 | 32.80 2.20 0.00 | 32.10 2.56 0.00 | 31.19 2.61 0.00 | 34.24 2.97 -2.42 | 36.03 2.60 -8.98 | 37.11 3.45 0.00 | 43.30 4.22 -6.10 | 51.07 4.34 -0.01 | 43.14 4.20 -0.01 | 52.24 5.12 -0.01 | 64.28 6.19 0.00 | 78.56 7.01 0.00 | 65.17 5.38 0.00 | 47.78 2.98 -10.74 | 40.44 2.07 -13.80 | 37.20 2.28 -8.92 | 46.97 3.24 0.00 |
| NYPA_HARLEM_RVR_GT1 24160 | 37.39 2.48 0.00 | 29.26 2.03 0.00 | 27.65 1.79 0.00 | 25.04 1.64 -0.38 | 22.66 1.37 0.00 | 24.11 1.36 0.00 | 26.41 1.54 0.00 | 32.60 2.00 0.00 | 31.90 2.37 0.00 | 30.98 2.40 0.00 | 34.02 2.75 -2.42 | 35.83 2.40 -8.98 | 37.04 3.37 0.00 | 43.22 4.13 0.00 | 44.89 4.25 0.00 | 42.93 4.00 0.00 | 51.88 4.77 0.00 | 63.89 5.81 0.00 | 78.19 6.64 0.00 | 64.90 5.10 0.00 | 47.68 2.88 -10.74 | 40.35 1.99 -13.79 | 37.11 2.19 -8.92 | 46.79 3.06 0.00 |
| NYPA_HARLEM_RVR_GT2 24161 | 37.39 2.48 0.00 | 29.26 2.03 0.00 | 27.65 1.79 0.00 | 25.04 1.64 -0.38 | 22.66 1.37 0.00 | 24.11 1.36 0.00 | 26.41 1.54 0.00 | 32.60 2.00 0.00 | 31.90 2.37 0.00 | 30.98 2.40 0.00 | 34.02 2.75 -2.42 | 35.83 2.40 -8.98 | 37.04 3.37 0.00 | 43.22 4.13 0.00 | 44.89 4.25 0.00 | 42.93 4.00 0.00 | 51.88 4.77 0.00 | 63.89 5.81 0.00 | 78.19 6.64 0.00 | 64.90 5.10 0.00 | 47.68 2.88 -10.74 | 40.35 1.99 -13.79 | 37.11 2.19 -8.92 | 46.79 3.06 0.00 |
| NYPA_KENT__GT 24152 | 37.49 2.57 0.00 | 29.34 2.10 0.00 | 27.74 1.88 0.00 | 25.11 1.72 -0.38 | 22.79 1.50 0.00 | 24.25 1.49 0.00 | 26.54 1.68 0.00 | 32.73 2.13 0.00 | 32.01 2.47 0.00 | 31.11 2.52 0.00 | 34.17 2.90 -2.42 | 35.98 2.56 -8.98 | 37.03 3.37 0.00 | 43.21 4.12 0.00 | 46.80 4.25 -1.91 | 43.03 4.10 0.00 | 52.11 4.99 0.00 | 64.14 6.05 0.00 | 78.41 6.85 0.00 | 65.04 5.25 0.00 | 47.71 2.90 -10.74 | 40.38 2.01 -13.80 | 37.14 2.22 -8.92 | 46.88 3.15 0.00 |
| NYPA_POUCH1__GT 24155 | 37.00 2.57 0.48 | 29.38 2.14 -0.01 | 27.77 1.92 0.00 | 25.14 1.74 -0.38 | 22.80 1.51 0.00 | 24.27 1.51 0.00 | 26.55 1.69 0.00 | 32.76 2.16 0.00 | 32.06 2.52 0.00 | 31.13 2.54 0.00 | 34.16 2.88 -2.42 | 35.94 2.52 -8.98 | 36.97 3.31 0.01 | 41.36 4.06 1.80 | 45.25 4.19 -0.42 | 43.02 4.09 -0.01 | 52.15 5.03 -0.01 | 64.17 6.08 0.00 | 78.40 6.84 0.00 | 65.04 5.25 0.00 | 47.70 2.90 -10.74 | 40.15 2.00 -13.58 | 35.44 2.21 -7.24 | 38.31 3.07 8.49 |
| NYPA_VERNON__GT2 24162 | 37.38 2.47 0.00 | 29.25 2.02 0.00 | 27.66 1.81 0.00 | 25.06 1.66 -0.38 | 22.74 1.46 0.00 | 24.19 1.44 0.00 | 26.49 1.62 0.00 | 32.67 2.08 0.00 | 31.95 2.41 0.00 | 31.05 2.46 0.00 | 34.14 2.87 -2.42 | 35.95 2.53 -8.98 | 37.00 3.33 0.00 | 43.15 4.06 0.00 | 42.54 4.18 2.28 | 42.96 4.03 0.00 | 52.03 4.92 0.00 | 64.06 5.97 0.00 | 78.32 6.77 0.00 | 64.95 5.16 0.00 | 47.66 2.87 -10.74 | 40.34 1.97 -13.79 | 37.11 2.19 -8.92 | 46.80 3.07 0.00 |

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| NYPY_VERNON____GT3 24163 | 37.38 | 29.25 | 27.66 | 25.06 | 22.74 | 24.19 | 26.49 | 32.67 | 31.95 | 31.05 | 34.14 | 35.95 | 37.00 | 43.15 | 42.54 | 42.96 | 52.03 | 64.06 | 78.32 | 64.95 | 47.66 | 40.34 | 37.11 | 46.80 |
| | 2.47 | 2.02 | 1.81 | 1.66 | 1.46 | 1.44 | 1.62 | 2.08 | 2.41 | 2.46 | 2.87 | 2.53 | 3.33 | 4.06 | 4.18 | 4.03 | 4.92 | 5.97 | 6.77 | 5.16 | 2.87 | 1.97 | 2.19 | 3.07 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| NYPY____ASTORIA_CC1 323568 | 37.31 | 29.19 | 27.61 | 25.02 | 22.71 | 24.15 | 26.43 | 32.61 | 31.86 | 30.96 | 34.06 | 35.89 | 36.91 | 43.05 | 40.10 | 42.86 | 51.90 | 63.90 | 78.12 | 64.81 | 47.59 | 40.28 | 37.05 | 46.69 |
| | 2.40 | 1.96 | 1.75 | 1.63 | 1.42 | 1.39 | 1.57 | 2.01 | 2.33 | 2.38 | 2.79 | 2.47 | 3.24 | 3.97 | 4.08 | 3.93 | 4.78 | 5.82 | 6.57 | 5.02 | 2.79 | 1.92 | 2.13 | 2.96 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 4.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| NYPY____ASTORIA_CC2 323569 | 37.31 | 29.19 | 27.61 | 25.02 | 22.71 | 24.15 | 26.43 | 32.61 | 31.86 | 30.96 | 34.06 | 35.89 | 36.91 | 43.05 | 40.10 | 42.86 | 51.90 | 63.90 | 78.12 | 64.81 | 47.59 | 40.28 | 37.05 | 46.69 |
| | 2.40 | 1.96 | 1.75 | 1.63 | 1.42 | 1.39 | 1.57 | 2.01 | 2.33 | 2.38 | 2.79 | 2.47 | 3.24 | 3.97 | 4.08 | 3.93 | 4.78 | 5.82 | 6.57 | 5.02 | 2.79 | 1.92 | 2.13 | 2.96 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 4.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| NYPY____HOLTSVILL 23794 | 54.82 | 29.80 | 28.16 | 25.35 | 23.07 | 24.58 | 26.79 | 33.12 | 32.42 | 36.37 | 70.22 | 112.74 | 142.51 | 199.90 | 149.54 | 190.20 | 170.19 | 193.14 | 225.00 | 176.89 | 144.75 | 122.45 | 74.47 | 83.00 |
| | 3.27 | 2.56 | 2.30 | 1.95 | 1.78 | 1.82 | 1.93 | 2.52 | 2.89 | 3.15 | 3.50 | 3.12 | 4.21 | 4.96 | 4.99 | 4.79 | 5.80 | 7.12 | 8.18 | 6.35 | 3.69 | 2.63 | 3.04 | 4.40 |
| | -16.64 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -4.64 | -37.87 | -85.17 | -104.64 | -155.85 | -103.91 | -146.48 | -117.28 | -127.93 | -145.27 | -110.74 | -107.00 | -95.24 | -45.43 | -34.88 |
| NYPY____HELLGATE_GT1 24158 | 37.33 | 29.21 | 27.63 | 25.04 | 22.66 | 24.11 | 26.41 | 32.60 | 31.90 | 30.98 | 34.02 | 35.83 | 37.04 | 43.22 | 44.89 | 42.93 | 51.88 | 63.89 | 78.19 | 64.90 | 47.68 | 40.35 | 37.11 | 46.79 |
| | 2.42 | 1.98 | 1.77 | 1.64 | 1.37 | 1.36 | 1.54 | 2.00 | 2.37 | 2.40 | 2.75 | 2.40 | 3.37 | 4.13 | 4.25 | 4.00 | 4.77 | 5.81 | 6.64 | 5.10 | 2.88 | 1.99 | 2.19 | 3.07 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| NYPY____HELLGATE_GT2 24159 | 37.33 | 29.21 | 27.63 | 25.04 | 22.66 | 24.11 | 26.41 | 32.60 | 31.90 | 30.98 | 34.02 | 35.83 | 37.04 | 43.22 | 44.89 | 42.93 | 51.88 | 63.89 | 78.19 | 64.90 | 47.68 | 40.35 | 37.11 | 46.79 |
| | 2.42 | 1.98 | 1.77 | 1.64 | 1.37 | 1.36 | 1.54 | 2.00 | 2.37 | 2.40 | 2.75 | 2.40 | 3.37 | 4.13 | 4.25 | 4.00 | 4.77 | 5.81 | 6.64 | 5.10 | 2.88 | 1.99 | 2.19 | 3.07 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| NYS_BARGE____HYD 23848 | 35.58 | 27.63 | 26.16 | 23.20 | 21.45 | 22.89 | 25.24 | 31.00 | 29.99 | 29.15 | 29.40 | 24.82 | 34.21 | 39.48 | 41.15 | 39.18 | 47.56 | 58.06 | 71.09 | 60.16 | 35.81 | 26.61 | 27.30 | 44.48 |
| | 0.67 | 0.40 | 0.30 | 0.13 | 0.16 | 0.14 | 0.37 | 0.41 | 0.46 | 0.57 | 0.21 | 0.37 | 0.55 | 0.39 | 0.51 | 0.25 | 0.45 | -0.02 | -0.46 | 0.37 | 0.23 | 0.09 | 0.04 | 0.75 |
| | 0.00 | 0.00 | 0.00 | -0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.52 | -1.95 | -1.26 | 0.00 |
| OAK ORCHARD____HYD 24046 | 35.94 | 27.92 | 26.39 | 23.43 | 21.66 | 23.15 | 25.46 | 31.36 | 30.39 | 29.57 | 29.99 | 25.31 | 34.93 | 40.52 | 42.24 | 40.34 | 48.94 | 60.04 | 73.74 | 61.97 | 36.42 | 26.87 | 27.70 | 45.14 |
| | 1.03 | 0.68 | 0.53 | 0.37 | 0.37 | 0.40 | 0.59 | 0.76 | 0.86 | 0.99 | 0.86 | 0.87 | 1.27 | 1.43 | 1.60 | 1.41 | 1.83 | 1.96 | 2.19 | 2.18 | 1.16 | 0.76 | 0.69 | 1.41 |
| | 0.00 | 0.00 | 0.00 | -0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.20 | -1.54 | -1.00 | 0.00 |
| OAKDALE__35_KV_LOAD 356122 | 36.19 | 27.72 | 26.22 | 23.45 | 21.62 | 23.13 | 25.41 | 31.27 | 30.48 | 29.64 | 30.59 | 25.28 | 34.91 | 40.63 | 42.27 | 40.35 | 48.95 | 60.22 | 74.17 | 61.89 | 38.86 | 29.99 | 29.77 | 44.76 |
| | 0.73 | 0.44 | 0.36 | 0.32 | 0.33 | 0.38 | 0.50 | 0.68 | 0.79 | 0.88 | 0.86 | 0.84 | 1.24 | 1.54 | 1.63 | 1.41 | 1.83 | 2.13 | 2.62 | 2.09 | 1.11 | 0.68 | 0.70 | 1.03 |
| | -0.56 | -0.04 | 0.00 | -0.11 | 0.00 | 0.00 | -0.04 | 0.00 | -0.15 | -0.17 | -0.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.69 | -4.74 | -3.06 | 0.00 |
| OCC_CHEM____DRP 24175 | 35.24 | 27.40 | 25.88 | 22.95 | 21.21 | 22.63 | 24.94 | 30.60 | 29.60 | 28.84 | 29.12 | 24.53 | 33.80 | 38.84 | 40.36 | 38.46 | 46.66 | 56.88 | 69.57 | 58.93 | 35.17 | 26.21 | 26.83 | 43.84 |
| | 0.33 | 0.16 | 0.02 | -0.12 | -0.08 | -0.13 | 0.07 | 0.00 | 0.07 | 0.26 | -0.08 | 0.08 | 0.13 | -0.24 | -0.27 | -0.47 | -0.46 | -1.20 | -1.98 | -0.87 | -0.45 | -0.37 | -0.47 | 0.11 |
| | 0.00 | 0.00 | 0.00 | -0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.56 | -2.01 | -1.30 | 0.00 |
| OH_GEN_PROXY 24063 | 35.38 | 27.51 | 26.00 | 23.06 | 21.32 | 22.58 | 25.08 | 30.80 | 29.82 | 29.01 | 29.31 | 24.71 | 34.06 | 32.57 | -52.59 | 6.65 | 33.09 | 37.43 | -40.38 | -56.20 | 35.64 | 26.52 | 27.18 | 44.16 |
| | 0.47 | 0.27 | 0.15 | -0.01 | 0.04 | 0.00 | 0.21 | 0.21 | 0.28 | 0.43 | 0.11 | 0.27 | 0.39 | 0.22 | 0.33 | 0.09 | 0.24 | -0.25 | -0.71 | 0.10 | 0.05 | -0.04 | -0.11 | 0.44 |
| | 0.00 | 0.00 | 0.00 | -0.05 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | -0.34 | 0.00 | 0.00 | 6.74 | 93.55 | 32.37 | 14.27 | 20.41 | 111.22 | 116.10 | -1.54 | -1.98 | -1.28 | 0.00 |
| OLIN_CORP_DRP 24177 | 35.22 | 27.38 | 25.96 | 23.02 | 21.27 | 22.70 | 25.03 | 30.71 | 29.66 | 28.84 | 29.10 | 24.52 | 33.78 | 38.97 | 40.62 | 38.70 | 46.95 | 57.25 | 70.08 | 59.36 | 35.41 | 26.37 | 27.00 | 43.96 |
| | 0.31 | 0.14 | 0.10 | -0.05 | -0.02 | -0.05 | 0.16 | 0.11 | 0.12 | 0.25 | -0.10 | 0.08 | 0.12 | -0.12 | -0.02 | -0.23 | -0.17 | -0.83 | -1.48 | -0.44 | -0.23 | -0.23 | -0.32 | 0.23 |
| | 0.00 | 0.00 | 0.00 | -0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.58 | -2.03 | -1.31 | 0.00 |
| OLIN_CORP_DSASP 323712 | 35.24 | 27.39 | 25.88 | 22.95 | 21.21 | 22.62 | 24.94 | 30.60 | 29.62 | 28.84 | 29.12 | 24.55 | 33.80 | 38.86 | 40.41 | 38.48 | 46.67 | 56.91 | 69.57 | 58.93 | 35.19 | 26.21 | 26.83 | 43.83 |
| | 0.33 | 0.16 | 0.02 | -0.12 | -0.08 | -0.13 | 0.07 | 0.00 | 0.08 | 0.26 | -0.08 | 0.11 | 0.13 | -0.22 | -0.23 | -0.45 | -0.45 | -1.18 | -1.99 | -0.87 | -0.43 | -0.37 | -0.46 | 0.11 |
| | 0.00 | 0.00 | 0.00 | -0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.56 | -2.01 | -1.30 | 0.00 |
| ONEIDA_HERK_LFGE 323681 | 36.03 | 27.70 | 26.21 | 23.28 | 21.62 | 23.23 | 25.50 | 31.39 | 30.35 | 29.31 | 29.59 | 24.61 | 34.31 | 40.04 | 41.49 | 39.62 | 50.47 | 71.35 | 72.05 | 61.61 | 35.05 | 25.23 | 26.78 | 44.86 |
| | 0.79 | 0.43 | 0.35 | 0.26 | 0.33 | 0.48 | 0.61 | 0.80 | 0.73 | 0.63 | 0.57 | 0.45 | 0.65 | 0.95 | 0.85 | 0.69 | 0.98 | 1.33 | 1.96 | 1.82 | 1.00 | 0.66 | 0.77 | 1.14 |
| | -0.33 | -0.03 | 0.00 | -0.01 | 0.00 | 0.00 | -0.02 | 0.00 | -0.09 | -0.10 | -0.18 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 | -2.38 | -11.93 | 1.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ONEIDA____115KV_TB4 55905 | 36.54 | 28.07 | 26.54 | 23.63 | 21.89 | 23.47 | 25.76 | 31.66 | 30.61 | 29.57 | 29.96 | 25.22 | 34.79 | 40.57 | 42.11 | 40.30 | 49.97 | 66.01 | 74.55 | 62.33 | 35.47 | 25.55 | 27.15 | 45.45 |
| | 1.19 | 0.80 | 0.68 | 0.59 | 0.60 | 0.71 | 0.87 | 1.07 | 0.96 | 0.85 | 0.84 | 0.78 | 1.12 | 1.48 | 1.48 | 1.37 | 1.86 | 2.31 | 2.99 | 2.54 | 1.41 | 0.98 | 1.15 | 1.72 |
| | -0.45 | -0.03 | 0.00 | -0.02 | 0.00 | 0.00 | -0.03 | 0.00 | -0.12 | -0.14 | -0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.00 | -5.62 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| ONONDAGA_REF_OCCRA 23987 | 36.10 0.21 -0.98 | 27.39 0.08 -0.08 | 25.87 0.02 0.00 | 23.07 0.01 -0.04 | 21.32 0.03 0.00 | 22.81 0.05 0.00 | 25.04 0.11 -0.07 | 30.76 0.16 0.00 | 30.03 0.23 -0.26 | 29.20 0.31 -0.31 | 29.72 0.32 -0.55 | 24.79 0.35 0.00 | 34.23 0.57 0.00 | 39.80 0.71 0.00 | 41.36 0.72 0.00 | 39.62 0.69 0.00 | 48.49 0.94 -0.44 | 61.68 1.14 -2.45 | 72.97 1.42 0.00 | 60.98 1.18 0.00 | 35.67 0.57 -1.05 | 26.24 0.33 -1.34 | 27.14 0.27 -0.87 | 44.10 0.37 0.00 |
| ONONDAGA___COGEN 23986 | 36.54 0.11 -1.51 | 27.37 0.02 -0.12 | 25.82 -0.04 0.00 | 23.02 -0.04 -0.04 | 21.27 -0.01 0.00 | 22.75 0.00 0.00 | 24.97 0.00 -0.10 | 30.58 -0.01 0.00 | 29.96 0.03 -0.40 | 29.17 0.12 -0.47 | 29.68 0.14 -0.70 | 24.62 0.18 0.00 | 33.99 0.32 0.00 | 39.50 0.41 0.00 | 41.05 0.41 0.00 | 39.31 0.37 0.00 | 48.09 0.55 -0.42 | 61.12 0.68 -2.36 | 72.41 0.86 0.00 | 60.49 0.70 0.00 | 35.30 0.29 -0.96 | 25.94 0.14 -1.23 | 26.86 0.07 -0.79 | 43.82 0.09 0.00 |
| ONTARIO___LFGE 23819 | 36.39 1.00 -0.48 | 27.88 0.61 -0.04 | 26.32 0.46 0.00 | 23.53 0.46 -0.05 | 21.76 0.47 0.00 | 23.31 0.55 0.00 | 25.62 0.72 -0.03 | 31.55 0.96 0.00 | 30.73 1.07 -0.13 | 29.87 1.14 -0.15 | 30.40 1.07 -0.47 | 25.56 1.12 0.00 | 35.38 1.71 0.00 | 41.13 2.05 0.00 | 42.72 2.08 0.00 | 40.75 1.83 0.00 | 49.50 2.39 0.00 | 61.02 2.94 0.00 | 75.38 3.83 0.00 | 63.03 3.23 0.00 | 37.21 1.69 -1.46 | 27.51 1.06 -1.88 | 28.25 1.03 -1.21 | 45.32 1.59 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 35.74 0.83 0.00 | 27.73 0.50 0.00 | 26.24 0.38 0.00 | 23.38 0.30 -0.06 | 21.66 0.37 0.00 | 23.15 0.39 0.00 | 25.46 0.59 0.00 | 31.37 0.77 0.00 | 30.43 0.89 0.00 | 29.58 1.00 0.00 | 30.03 0.77 -0.42 | 25.35 0.90 0.00 | 35.01 1.35 0.00 | 40.45 1.36 0.00 | 42.19 1.55 0.00 | 39.96 1.03 0.00 | 48.62 1.51 0.00 | 59.57 1.49 0.00 | 73.35 1.79 0.00 | 61.77 1.97 0.00 | 37.05 1.06 -1.93 | 27.66 0.61 -2.48 | 28.15 0.55 -1.60 | 44.99 1.26 0.00 |
| ORANGEVILLE___ESR 323794 | 35.74 0.83 0.00 | 27.73 0.50 0.00 | 26.24 0.38 0.00 | 23.38 0.30 -0.06 | 21.66 0.37 0.00 | 23.15 0.39 0.00 | 25.46 0.59 0.00 | 31.37 0.77 0.00 | 30.43 0.89 0.00 | 29.58 1.00 0.00 | 30.03 0.77 -0.42 | 25.35 0.90 0.00 | 35.01 1.35 0.00 | 40.45 1.36 0.00 | 42.19 1.55 0.00 | 39.96 1.03 0.00 | 48.62 1.51 0.00 | 59.57 1.49 0.00 | 73.35 1.79 0.00 | 61.77 1.97 0.00 | 37.05 1.06 -1.93 | 27.66 0.61 -2.48 | 28.15 0.55 -1.60 | 44.99 1.26 0.00 |
| OSWEGATCHIE___HYD 24044 | 34.87 -0.54 -0.50 | 26.66 -0.61 -0.04 | 25.27 -0.58 0.00 | 22.41 -0.62 -0.01 | 20.85 -0.43 0.00 | 22.42 -0.34 0.00 | 24.63 -0.27 -0.03 | 30.35 -0.24 0.00 | 29.23 -0.44 -0.13 | 28.14 -0.60 -0.15 | 28.22 -0.85 -0.21 | 21.34 -0.95 2.15 | 32.27 -1.39 0.00 | 37.72 -1.37 0.00 | 39.01 -1.63 0.00 | 37.08 -1.85 0.00 | 33.17 -2.14 11.81 | -7.26 -2.47 62.87 | 57.73 -2.36 11.46 | 58.09 -1.70 0.00 | 33.04 -1.02 0.00 | 24.05 -0.52 0.00 | 25.66 -0.34 0.00 | 43.34 -0.39 0.00 |
| OSWEGO___5 23606 | 40.58 -0.59 -6.26 | 27.21 -0.51 -0.48 | 25.34 -0.51 0.00 | 22.58 -0.46 -0.03 | 20.88 -0.41 0.00 | 22.32 -0.43 0.00 | 24.86 -0.44 -0.43 | 30.08 -0.52 0.00 | 30.73 -0.45 -1.65 | 30.15 -0.38 -1.94 | 30.55 -0.38 -2.09 | 24.15 -0.30 0.00 | 33.27 -0.40 0.00 | 38.65 -0.44 0.00 | 40.18 -0.46 0.00 | 38.49 -0.44 0.00 | 46.64 -0.48 0.00 | 57.45 -0.63 0.00 | 70.78 -0.77 0.00 | 59.18 -0.62 0.00 | 33.63 -0.43 0.00 | 24.23 -0.34 0.00 | 25.59 -0.41 0.00 | 43.03 -0.69 0.00 |
| OSWEGO___6 23613 | 40.58 -0.59 -6.26 | 27.21 -0.51 -0.48 | 25.34 -0.51 0.00 | 22.58 -0.46 -0.03 | 20.88 -0.41 0.00 | 22.32 -0.43 0.00 | 24.86 -0.44 -0.43 | 30.08 -0.52 0.00 | 30.73 -0.45 -1.65 | 30.15 -0.38 -1.94 | 30.55 -0.38 -2.09 | 24.15 -0.30 0.00 | 33.27 -0.40 0.00 | 38.65 -0.44 0.00 | 40.18 -0.46 0.00 | 38.49 -0.44 0.00 | 46.64 -0.48 0.00 | 57.45 -0.63 0.00 | 70.78 -0.77 0.00 | 59.18 -0.62 0.00 | 33.63 -0.43 0.00 | 24.23 -0.34 0.00 | 25.59 -0.41 0.00 | 43.03 -0.69 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 35.82 0.91 0.00 | 27.79 0.56 0.00 | 26.28 0.42 0.00 | 23.30 0.23 -0.06 | 21.55 0.26 0.00 | 23.00 0.24 0.00 | 25.37 0.51 0.00 | 31.18 0.58 0.00 | 30.20 0.66 0.00 | 29.43 0.84 0.00 | 29.74 0.53 -0.36 | 25.10 0.66 0.00 | 34.66 0.99 0.00 | 39.96 0.88 0.00 | 41.60 0.96 0.00 | 39.61 0.68 0.00 | 48.09 0.97 0.00 | 58.70 0.62 0.00 | 71.88 0.33 0.00 | 60.72 0.93 0.00 | 36.16 0.50 -1.60 | 26.92 0.29 -2.05 | 27.53 0.20 -1.33 | 44.79 1.06 0.00 |
| OXBOW____ 24026 | 35.44 0.53 0.00 | 27.50 0.27 0.00 | 26.00 0.14 0.00 | 23.06 -0.01 -0.06 | 21.32 0.03 0.00 | 22.74 -0.02 0.00 | 25.07 0.20 0.00 | 30.81 0.22 0.00 | 29.85 0.31 0.00 | 29.08 0.49 0.00 | 29.36 0.16 -0.35 | 24.79 0.35 0.00 | 34.18 0.52 0.00 | 39.36 0.27 0.00 | 40.95 0.31 0.00 | 38.99 0.06 0.00 | 47.30 0.18 0.00 | 57.72 -0.36 0.00 | 70.60 -0.95 0.00 | 59.72 -0.07 0.00 | 35.62 -0.02 -1.58 | 26.53 -0.07 -2.03 | 27.14 -0.18 -1.31 | 44.23 0.50 0.00 |
| OXY_CHEM_DSASP 323612 | 35.24 0.33 0.00 | 27.40 0.16 0.00 | 25.88 0.02 0.00 | 22.95 -0.12 -0.06 | 21.21 -0.08 0.00 | 22.63 -0.13 0.00 | 24.94 0.07 0.00 | 30.60 0.00 0.00 | 29.60 0.07 0.00 | 28.84 0.26 0.00 | 29.12 -0.08 -0.35 | 24.53 0.08 0.00 | 33.80 0.13 0.00 | 38.84 -0.24 0.00 | 40.36 -0.27 0.00 | 38.46 -0.47 0.00 | 46.66 -0.46 0.00 | 56.88 -1.20 0.00 | 69.57 -1.98 0.00 | 58.93 -0.87 0.00 | 35.17 -0.45 -1.56 | 26.21 -0.37 -2.01 | 26.83 -0.47 -1.30 | 43.84 0.11 0.00 |
| OZONE_PARK_ESR 323760 | 38.03 3.12 0.00 | 29.76 2.52 0.00 | 28.11 2.26 0.00 | 25.43 2.03 -0.38 | 23.09 1.80 0.00 | 24.56 1.80 0.00 | 26.90 2.03 0.00 | 33.21 2.62 0.00 | 32.49 2.95 0.00 | 31.62 3.04 0.00 | 34.66 3.39 -2.42 | 36.43 3.00 -8.98 | 37.73 4.06 0.00 | 44.00 4.91 0.00 | 45.74 5.10 0.00 | 43.86 4.93 0.00 | 53.12 6.01 0.00 | 65.42 7.34 0.00 | 80.09 8.54 0.00 | 66.37 6.57 0.00 | 48.46 3.66 -10.74 | 40.90 2.53 -13.79 | 37.67 2.75 -8.92 | 47.68 3.94 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 35.24 0.33 0.00 | 27.40 0.16 0.00 | 25.88 0.02 0.00 | 22.95 -0.12 -0.06 | 21.21 -0.08 0.00 | 22.63 -0.13 0.00 | 24.94 0.07 0.00 | 30.60 0.00 0.00 | 29.60 0.07 0.00 | 28.84 0.26 0.00 | 29.12 -0.08 -0.35 | 24.53 0.08 0.00 | 33.80 0.13 0.00 | 38.84 -0.24 0.00 | 40.36 -0.27 0.00 | 38.46 -0.47 0.00 | 46.66 -0.46 0.00 | 56.88 -1.20 0.00 | 69.57 -1.98 0.00 | 58.93 -0.87 0.00 | 35.17 -0.45 -1.56 | 26.21 -0.37 -2.01 | 26.83 -0.47 -1.30 | 43.84 0.11 0.00 |
| PACKARD___115KV_DUPONT_184 80571 | 35.24 0.33 0.00 | 27.40 0.16 0.00 | 25.88 0.02 0.00 | 22.95 -0.12 -0.06 | 21.21 -0.08 0.00 | 22.63 -0.13 0.00 | 24.94 0.07 0.00 | 30.60 0.00 0.00 | 29.60 0.07 0.00 | 28.84 0.26 0.00 | 29.12 -0.08 -0.35 | 24.53 0.08 0.00 | 33.80 0.13 0.00 | 38.84 -0.24 0.00 | 40.36 -0.27 0.00 | 38.46 -0.47 0.00 | 46.66 -0.46 0.00 | 56.88 -1.20 0.00 | 69.57 -1.98 0.00 | 58.93 -0.87 0.00 | 35.17 -0.45 -1.56 | 26.21 -0.37 -2.01 | 26.83 -0.47 -1.30 | 43.84 0.11 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 37.35 2.44 0.00 | 29.22 1.98 0.00 | 27.63 1.77 0.00 | 25.04 1.65 -0.38 | 22.67 1.38 0.00 | 24.15 1.39 0.00 | 26.44 1.58 0.00 | 32.62 2.02 0.00 | 31.91 2.37 0.00 | 30.98 2.40 0.00 | 34.04 2.76 -2.42 | 35.82 2.40 -8.98 | 37.05 3.38 0.00 | 43.25 4.16 0.00 | 44.89 4.25 0.00 | 42.93 4.00 0.00 | 51.89 4.78 0.00 | 63.89 5.81 0.00 | 78.21 6.66 0.00 | 64.96 5.17 0.00 | 47.71 2.91 -10.74 | 40.38 2.02 -13.79 | 37.13 2.21 -8.92 | 46.83 3.10 0.00 |

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| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 37.68 2.77 0.00 | 29.45 2.22 0.00 | 27.84 1.98 0.00 | 25.26 1.87 -0.38 | 22.87 1.58 0.00 | 24.33 1.58 0.00 | 26.67 1.80 0.00 | 32.90 2.30 0.00 | 32.12 2.58 0.00 | 31.14 2.57 0.00 | 34.24 2.96 -2.42 | 36.09 2.66 -8.98 | 37.43 3.76 0.00 | 43.76 4.67 0.00 | 45.17 4.53 0.00 | 43.26 4.33 0.00 | 52.34 5.23 0.00 | 64.47 6.38 0.00 | 78.68 7.13 0.00 | 65.42 5.63 0.00 | 48.05 3.25 -10.74 | 40.64 2.28 -13.79 | 37.41 2.49 -8.92 | 47.27 3.54 0.00 |
| PATROON__115KV_TB1 80586 | 36.19 1.28 0.00 | 28.34 1.11 0.00 | 26.94 1.08 0.00 | 24.51 1.00 -0.49 | 22.16 0.87 0.00 | 23.71 0.95 0.00 | 25.83 0.97 0.00 | 31.60 1.01 0.00 | 30.66 1.13 0.00 | 29.71 1.13 0.00 | 33.27 1.28 -3.14 | 27.60 1.11 -2.05 | 35.22 1.55 0.00 | 40.95 1.86 0.00 | 42.48 1.84 0.00 | 40.77 1.84 0.00 | 49.15 2.03 0.00 | 60.61 2.53 0.00 | 74.57 3.02 0.00 | 62.18 2.38 0.00 | 62.04 1.48 -26.51 | 59.67 1.06 -34.04 | 49.14 1.13 -22.00 | 45.10 1.37 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 36.15 1.24 0.00 | 28.02 0.79 0.00 | 26.48 0.62 0.00 | 23.49 0.41 -0.06 | 21.73 0.44 0.00 | 23.23 0.47 0.00 | 25.62 0.75 0.00 | 31.56 0.96 0.00 | 30.62 1.09 0.00 | 29.87 1.29 0.00 | 30.26 1.02 -0.39 | 25.55 1.11 0.00 | 35.34 1.68 0.00 | 40.94 1.85 0.00 | 42.64 2.00 0.00 | 40.56 1.63 0.00 | 49.29 2.18 0.00 | 60.24 2.16 0.00 | 73.90 2.35 0.00 | 62.22 2.43 0.00 | 37.09 1.26 -1.77 | 27.63 0.79 -2.27 | 28.20 0.73 -1.47 | 45.43 1.70 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 37.66 2.75 0.00 | 29.41 2.17 0.00 | 27.82 1.96 0.00 | 25.16 1.76 -0.39 | 22.86 1.57 0.00 | 24.37 1.61 0.00 | 26.66 1.79 0.00 | 32.88 2.28 0.00 | 32.12 2.58 0.00 | 31.28 2.70 0.00 | 34.41 3.11 -2.46 | 30.51 2.75 -3.32 | 37.41 3.75 0.00 | 43.66 4.57 0.00 | 45.42 4.78 0.00 | 43.58 4.64 0.00 | 52.78 5.66 0.00 | 65.05 6.97 0.00 | 79.74 8.18 0.00 | 66.16 6.37 0.00 | 48.56 3.55 -10.95 | 41.05 2.41 -14.06 | 37.66 2.57 -9.09 | 47.36 3.64 0.00 |
| PEEKSKILL____ 23653 | 37.16 2.25 0.00 | 29.06 1.83 0.00 | 27.50 1.64 0.00 | 24.88 1.48 -0.37 | 22.60 1.31 0.00 | 24.06 1.31 0.00 | 26.32 1.45 0.00 | 32.46 1.86 0.00 | 31.70 2.17 0.00 | 30.85 2.27 0.00 | 33.87 2.63 -2.39 | 37.20 2.31 -10.45 | 36.79 3.12 0.00 | 42.93 3.84 0.00 | 44.64 4.01 0.00 | 42.81 3.88 0.00 | 51.85 4.73 0.00 | 63.89 5.81 0.00 | 78.30 6.74 0.00 | 64.94 5.15 0.00 | 47.51 2.86 -10.60 | 40.14 1.95 -13.61 | 36.92 2.12 -8.80 | 46.68 2.95 0.00 |
| PGE MADISON__WINDPWR 24146 | 38.78 3.26 -0.61 | 29.61 2.33 -0.05 | 27.97 2.11 0.00 | 24.97 1.85 -0.10 | 23.10 1.81 0.00 | 24.81 2.05 0.00 | 27.34 2.43 -0.04 | 33.67 3.08 0.00 | 32.87 3.17 -0.16 | 31.87 3.10 -0.19 | 32.58 2.88 -0.85 | 27.02 2.58 0.00 | 37.49 3.83 0.00 | 43.37 4.28 0.00 | 45.07 4.43 0.00 | 43.04 4.11 0.00 | 52.58 5.46 0.00 | 64.94 6.85 0.00 | 80.52 8.96 0.00 | 67.65 7.85 0.00 | 42.95 4.36 -4.53 | 33.31 2.92 -5.82 | 32.67 2.91 -3.76 | 48.32 4.59 0.00 |
| PIERCEFIELD__HYD 23852 | 33.59 -1.58 -0.25 | 25.98 -1.27 -0.02 | 24.72 -1.14 0.00 | 21.93 -1.09 0.00 | 20.32 -0.97 0.00 | 21.77 -0.98 0.00 | 23.86 -1.02 -0.02 | 29.42 -1.18 0.00 | 28.22 -1.38 -0.07 | 27.14 -1.52 -0.08 | 27.08 -1.85 -0.08 | 19.41 -1.79 3.24 | 31.10 -2.57 0.00 | 36.18 -2.91 0.00 | 37.45 -3.19 0.00 | 35.66 -3.27 0.00 | 37.03 -3.95 6.13 | 2.03 -4.75 51.31 | 49.12 -5.21 17.22 | 55.58 -4.22 0.00 | 31.67 -2.38 0.00 | 23.30 -1.27 0.00 | 24.81 -1.19 0.00 | 42.16 -1.57 0.00 |
| PINELAWN_CC_1 323563 | 56.23 3.44 -17.88 | 29.93 2.69 0.00 | 28.28 2.42 0.00 | 25.49 2.10 -0.38 | 23.19 1.90 0.00 | 24.71 1.95 0.00 | 26.94 2.07 0.00 | 33.28 2.68 0.00 | 32.62 3.08 0.00 | 36.32 3.10 -4.64 | 70.11 3.40 -37.87 | 111.97 2.94 -84.59 | 128.96 3.95 -91.35 | 135.29 4.67 -91.54 | 134.99 4.68 -89.66 | 143.05 4.53 -99.59 | 142.55 5.53 -89.91 | 139.02 6.81 -74.12 | 183.09 7.86 -103.67 | 172.13 6.09 -106.24 | 125.36 3.59 -87.71 | 49.03 2.56 -21.89 | 43.83 3.09 -14.74 | 50.84 4.39 -2.73 |
| PJM_GEN_HTP_PROXY 323702 | 37.37 2.46 0.00 | 29.26 2.03 0.00 | 27.66 1.80 0.00 | 25.04 1.64 -0.38 | 22.74 1.45 0.00 | 24.19 1.44 0.00 | 26.48 1.62 0.00 | 32.68 2.08 0.00 | 31.95 2.42 0.00 | 31.11 2.53 0.00 | 34.15 2.88 -2.42 | 35.98 2.55 -8.98 | 37.10 3.44 0.00 | 43.27 4.18 0.00 | 44.97 4.33 0.00 | 43.11 4.18 0.00 | 52.22 5.10 0.00 | 64.32 6.24 0.00 | 78.72 7.16 0.00 | 65.21 5.41 0.00 | 47.82 3.02 -10.74 | 40.42 2.06 -13.79 | 37.18 2.26 -8.92 | 46.86 3.13 0.00 |
| PJM_GEN_KEystone 24065 | 36.14 1.26 0.04 | 28.17 0.93 0.00 | 26.65 0.79 0.00 | 23.91 0.67 -0.23 | 21.91 0.62 0.00 | 23.37 0.61 0.00 | 25.65 0.79 0.00 | 31.65 1.05 0.00 | 30.81 1.27 0.00 | 30.00 1.42 0.00 | 31.80 1.49 -1.46 | 12.82 1.37 13.00 | 35.60 1.93 0.00 | 41.42 2.47 0.14 | 43.26 2.62 0.00 | 41.32 2.39 0.00 | 50.06 2.94 0.00 | 61.44 3.41 0.06 | 75.45 3.94 0.05 | 62.83 3.04 0.00 | 42.20 1.62 -6.52 | 33.96 1.02 -8.37 | 32.41 1.11 -5.29 | 44.81 1.70 0.61 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 53.62 2.85 -15.87 | 29.50 2.27 0.00 | 27.87 2.02 0.00 | 25.18 1.78 -0.38 | 22.89 1.60 0.00 | 24.37 1.61 0.00 | 26.56 1.69 0.00 | 32.80 2.20 0.00 | 32.11 2.57 0.00 | 35.95 2.73 -4.64 | 69.79 3.07 -37.87 | 111.53 2.69 -84.41 | 127.56 3.59 -90.31 | 129.95 4.34 -86.53 | 133.85 4.48 -88.74 | 139.42 4.30 -96.18 | 141.03 5.25 -88.66 | 135.92 6.42 -71.42 | 181.41 7.45 -102.41 | 171.67 5.78 -106.10 | 123.63 3.23 -86.34 | 42.96 2.22 -16.17 | 40.84 2.50 -12.34 | 47.16 3.43 0.00 |
| PJM_GEN_VFT_PROXY 323633 | 36.67 2.28 0.52 | 29.13 1.90 0.00 | 27.54 1.68 0.00 | 24.92 1.52 -0.38 | 22.62 1.34 0.00 | 24.06 1.31 0.00 | 26.34 1.48 0.00 | 32.52 1.93 0.00 | 31.80 2.26 0.00 | 30.96 2.38 0.00 | 34.00 2.73 -2.42 | 35.83 2.41 -8.98 | 36.91 3.24 0.00 | 41.08 3.92 1.93 | 44.69 4.05 0.00 | 42.83 3.90 0.00 | 51.89 4.78 0.00 | 63.01 5.83 0.90 | 77.53 6.64 0.67 | 64.80 5.01 0.00 | 47.46 2.78 -10.62 | 40.04 1.90 -13.56 | 35.20 2.08 -7.11 | 37.83 2.84 8.73 |
| PLATSBURG_115KV_PMLD1 355749 | 32.92 -1.99 0.00 | 25.67 -1.57 0.00 | 25.00 -0.86 0.00 | 22.07 -0.94 0.00 | 20.30 -0.99 0.00 | 21.71 -1.05 0.00 | 23.65 -1.21 0.00 | 29.12 -1.47 0.00 | 28.08 -1.45 0.00 | 27.01 -1.57 0.00 | 26.80 -2.05 0.00 | 18.36 -2.03 4.06 | 30.77 -2.90 0.00 | 35.74 -3.35 0.00 | 37.48 -3.16 0.00 | 36.07 -2.86 0.00 | 41.68 -3.61 1.83 | 21.89 -4.81 31.39 | 44.94 -5.01 21.60 | 56.05 -3.74 0.00 | 31.95 -2.11 0.00 | 23.18 -1.39 0.00 | 24.52 -1.49 0.00 | 41.94 -1.79 0.00 |
| PLEASANTVLY__LBMP 24000 | 36.97 2.06 0.00 | 28.90 1.66 0.00 | 27.37 1.52 0.00 | 24.80 1.38 -0.40 | 22.50 1.22 0.00 | 23.99 1.23 0.00 | 26.22 1.35 0.00 | 32.26 1.66 0.00 | 31.47 1.93 0.00 | 30.59 2.01 0.00 | 33.77 2.36 -2.56 | 30.65 2.06 -4.15 | 36.42 2.76 0.00 | 42.44 3.36 0.00 | 44.10 3.47 0.00 | 42.28 3.34 0.00 | 51.17 4.05 0.00 | 63.05 4.96 0.00 | 77.33 5.78 0.00 | 64.23 4.43 0.00 | 47.93 2.52 -11.36 | 40.90 1.74 -14.59 | 37.35 1.91 -9.43 | 46.33 2.60 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 37.35 2.44 0.00 | 29.19 1.96 0.00 | 27.62 1.76 0.00 | 24.98 1.58 -0.38 | 22.69 1.40 0.00 | 24.17 1.42 0.00 | 26.44 1.57 0.00 | 32.58 1.98 0.00 | 31.84 2.30 0.00 | 30.98 2.40 0.00 | 34.07 2.77 -2.45 | 33.91 2.43 -7.04 | 36.96 3.30 0.00 | 43.12 4.03 0.00 | 44.84 4.20 0.00 | 42.99 4.06 0.00 | 52.07 4.96 0.00 | 64.16 6.07 0.00 | 78.59 7.04 0.00 | 65.17 5.37 0.00 | 47.89 2.98 -10.84 | 40.53 2.03 -13.92 | 37.23 2.23 -9.00 | 46.82 3.09 0.00 |

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|----------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 37.35 2.44 0.00 | 29.19 1.96 0.00 | 27.62 1.76 0.00 | 24.98 1.58 -0.38 | 22.69 1.40 0.00 | 24.17 1.42 0.00 | 26.44 1.57 0.00 | 32.58 1.98 0.00 | 31.84 2.30 0.00 | 30.98 2.40 0.00 | 34.07 2.77 -2.45 | 33.91 2.43 -7.04 | 36.96 3.30 0.00 | 43.12 4.03 0.00 | 44.84 4.20 0.00 | 42.99 4.06 0.00 | 52.07 4.96 0.00 | 64.16 6.07 0.00 | 78.59 7.04 0.00 | 65.17 5.37 0.00 | 47.89 2.98 -10.84 | 40.53 2.03 -13.92 | 37.23 2.23 -9.00 | 46.82 3.09 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 37.36 2.45 0.00 | 29.14 1.91 0.00 | 27.61 1.75 0.00 | 24.99 1.58 -0.39 | 22.69 1.40 0.00 | 24.20 1.44 0.00 | 26.45 1.59 0.00 | 32.58 1.98 0.00 | 31.80 2.26 0.00 | 30.93 2.35 0.00 | 34.09 2.74 -2.49 | 28.94 2.40 -2.10 | 36.93 3.26 0.00 | 43.04 3.95 0.00 | 44.76 4.12 0.00 | 42.93 4.00 0.00 | 52.03 4.92 0.00 | 64.17 6.09 0.00 | 78.75 7.20 0.00 | 65.40 5.60 0.00 | 48.48 3.13 -11.29 | 41.22 2.16 -14.49 | 37.69 2.32 -9.37 | 46.96 3.23 0.00 |
| POLETTI____ 23519 | 37.34 2.43 0.00 | 29.25 2.02 0.00 | 27.66 1.80 0.00 | 25.04 1.65 -0.38 | 22.73 1.45 0.00 | 24.16 1.41 0.00 | 26.45 1.58 0.00 | 32.65 2.05 0.00 | 31.93 2.39 0.00 | 31.07 2.49 0.00 | 34.10 2.83 -2.42 | 35.92 2.50 -8.98 | 37.02 3.36 0.00 | 43.17 4.08 0.00 | 44.88 4.24 0.00 | 43.02 4.09 0.00 | 52.11 4.99 0.00 | 64.17 6.09 0.00 | 78.53 6.98 0.00 | 65.08 5.29 0.00 | 47.74 2.94 -10.74 | 40.38 2.01 -13.79 | 37.14 2.21 -8.92 | 46.79 3.07 0.00 |
| POMONA____ESR 323819 | 37.09 2.18 0.00 | 29.00 1.76 0.00 | 27.43 1.57 0.00 | 24.79 1.42 -0.36 | 22.53 1.25 0.00 | 23.99 1.23 0.00 | 26.23 1.36 0.00 | 32.37 1.78 0.00 | 31.62 2.09 0.00 | 30.80 2.22 0.00 | 33.75 2.59 -2.31 | 14.66 2.28 12.07 | 36.79 3.12 0.00 | 42.97 3.88 0.00 | 44.69 4.05 0.00 | 42.85 3.92 0.00 | 51.93 4.81 0.00 | 64.00 5.92 0.00 | 78.42 6.86 0.00 | 65.00 5.21 0.00 | 47.17 2.87 -10.24 | 39.66 1.94 -13.15 | 36.60 2.09 -8.50 | 46.65 2.92 0.00 |
| PORT_JEFF_3 23555 | 54.78 3.22 -16.65 | 29.75 2.51 0.00 | 28.11 2.25 0.00 | 25.30 1.90 -0.38 | 23.02 1.73 0.00 | 24.53 1.77 0.00 | 26.74 1.88 0.00 | 33.06 2.46 0.00 | 32.39 2.85 0.00 | 36.36 3.13 -4.64 | 70.20 3.49 -37.87 | 112.78 3.17 -85.17 | 142.55 4.26 -104.62 | 199.86 4.93 -155.84 | 150.26 4.89 -104.73 | 191.40 4.63 -147.84 | 171.71 5.59 -119.00 | 196.45 6.78 -131.59 | 229.66 7.72 -150.39 | 177.31 6.08 -111.44 | 145.49 3.62 -107.82 | 122.39 2.64 -95.17 | 74.49 3.09 -45.39 | 81.76 4.47 -33.56 |
| PORT_JEFF_4 23616 | 54.78 3.22 -16.65 | 29.75 2.51 0.00 | 28.11 2.25 0.00 | 25.30 1.90 -0.38 | 23.02 1.73 0.00 | 24.53 1.77 0.00 | 26.74 1.88 0.00 | 33.06 2.46 0.00 | 32.39 2.85 0.00 | 36.36 3.13 -4.64 | 70.20 3.49 -37.87 | 112.78 3.17 -85.17 | 142.55 4.26 -104.62 | 199.86 4.93 -155.84 | 150.26 4.89 -104.73 | 191.40 4.63 -147.84 | 171.71 5.59 -119.00 | 196.45 6.78 -131.59 | 229.66 7.72 -150.39 | 177.31 6.08 -111.44 | 145.49 3.62 -107.82 | 122.39 2.64 -95.17 | 74.49 3.09 -45.39 | 81.76 4.47 -33.56 |
| PORT_JEFF_IC 23713 | 54.96 3.36 -16.69 | 29.86 2.62 0.00 | 28.20 2.35 0.00 | 25.38 1.98 -0.38 | 23.09 1.80 0.00 | 24.60 1.85 0.00 | 26.83 1.96 0.00 | 33.18 2.58 0.00 | 32.51 2.97 0.00 | 36.49 3.27 -4.64 | 70.34 3.63 -37.87 | 112.88 3.29 -85.15 | 142.88 4.44 -104.77 | 201.06 5.19 -156.79 | 153.49 5.12 -107.73 | 196.86 4.80 -153.13 | 177.73 5.78 -124.83 | 209.38 7.04 -144.25 | 247.53 8.01 -167.97 | 179.91 6.27 -113.85 | 148.65 3.75 -110.84 | 123.42 2.78 -96.07 | 74.97 3.21 -45.76 | 78.01 4.65 -29.64 |
| PPL PILGRIM_ST_GT1 24216 | 55.34 3.59 -16.85 | 30.04 2.81 0.00 | 28.38 2.52 0.00 | 25.57 2.18 -0.38 | 23.28 1.99 0.00 | 24.81 2.05 0.00 | 27.04 2.18 0.00 | 33.43 2.83 0.00 | 32.75 3.21 0.00 | 36.67 3.45 -4.64 | 70.51 3.80 -37.87 | 113.38 3.38 -85.55 | 131.76 4.46 -93.64 | 146.79 5.10 -102.60 | 137.36 4.98 -91.73 | 150.91 4.81 -107.16 | 145.62 5.84 -92.67 | 145.37 7.18 -80.10 | 186.31 8.31 -106.45 | 172.76 6.42 -106.54 | 128.52 3.72 -90.74 | 61.81 2.72 -34.53 | 49.26 3.24 -20.02 | 57.13 4.69 -8.71 |
| PPL PILGRIM_ST_GT2 24217 | 55.34 3.59 -16.85 | 30.04 2.81 0.00 | 28.38 2.52 0.00 | 25.57 2.18 -0.38 | 23.28 1.99 0.00 | 24.81 2.05 0.00 | 27.04 2.18 0.00 | 33.43 2.83 0.00 | 32.75 3.21 0.00 | 36.67 3.45 -4.64 | 70.51 3.80 -37.87 | 113.38 3.38 -85.55 | 131.76 4.46 -93.64 | 146.79 5.10 -102.60 | 137.36 4.98 -91.73 | 150.91 4.81 -107.16 | 145.62 5.84 -92.67 | 145.37 7.18 -80.10 | 186.31 8.31 -106.45 | 172.76 6.42 -106.54 | 128.52 3.72 -90.74 | 61.81 2.72 -34.53 | 49.26 3.24 -20.02 | 57.13 4.69 -8.71 |
| PPL_SHRM_GT3 24213 | 54.76 3.18 -16.67 | 29.72 2.49 0.00 | 28.09 2.23 0.00 | 25.24 1.85 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.67 1.80 0.00 | 33.00 2.41 0.00 | 32.35 2.81 0.00 | 36.37 3.15 -4.64 | 70.19 3.47 -37.87 | 112.77 3.16 -85.16 | 142.50 4.37 -104.47 | 199.41 5.19 -155.14 | 151.05 5.25 -105.16 | 192.34 5.11 -148.29 | 174.66 6.19 -121.36 | 201.17 7.68 -135.40 | 235.35 8.86 -154.94 | 178.54 6.87 -111.88 | 146.17 3.93 -108.18 | 121.65 2.75 -94.33 | 74.15 3.11 -45.04 | 80.47 4.45 -32.29 |
| PPL_SHRM_GT4 24214 | 54.76 3.18 -16.67 | 29.72 2.49 0.00 | 28.09 2.23 0.00 | 25.24 1.85 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.67 1.80 0.00 | 33.00 2.41 0.00 | 32.35 2.81 0.00 | 36.37 3.15 -4.64 | 70.19 3.47 -37.87 | 112.77 3.16 -85.16 | 142.50 4.37 -104.47 | 199.41 5.19 -155.14 | 151.05 5.25 -105.16 | 192.34 5.11 -148.29 | 174.66 6.19 -121.36 | 201.17 7.68 -135.40 | 235.35 8.86 -154.94 | 178.54 6.87 -111.88 | 146.17 3.93 -108.18 | 121.65 2.75 -94.33 | 74.15 3.11 -45.04 | 80.47 4.45 -32.29 |
| PROJECT___ORANGE 1 24174 | 35.69 -0.03 -0.81 | 27.21 -0.09 -0.06 | 25.72 -0.14 0.00 | 22.91 -0.14 -0.03 | 21.19 -0.10 0.00 | 22.67 -0.09 0.00 | 24.88 -0.04 -0.06 | 30.58 -0.02 0.00 | 29.82 0.06 -0.21 | 28.99 0.16 -0.25 | 29.49 0.18 -0.45 | 24.67 0.23 0.00 | 34.06 0.39 0.00 | 39.58 0.49 0.00 | 41.14 0.50 0.00 | 39.41 0.48 0.00 | 48.28 0.67 -0.49 | 61.62 0.79 -2.74 | 72.50 0.94 0.00 | 60.56 0.76 0.00 | 34.38 0.32 0.00 | 24.73 0.15 0.00 | 26.10 0.10 0.00 | 43.82 0.09 0.00 |
| PROJECT___ORANGE 2 24166 | 35.69 -0.03 -0.81 | 27.21 -0.09 -0.06 | 25.72 -0.14 0.00 | 22.91 -0.14 -0.03 | 21.19 -0.10 0.00 | 22.67 -0.09 0.00 | 24.88 -0.04 -0.06 | 30.58 -0.02 0.00 | 29.82 0.06 -0.21 | 28.99 0.16 -0.25 | 29.49 0.18 -0.45 | 24.67 0.23 0.00 | 34.06 0.39 0.00 | 39.58 0.49 0.00 | 41.14 0.50 0.00 | 39.41 0.48 0.00 | 48.28 0.67 -0.49 | 61.62 0.79 -2.74 | 72.50 0.94 0.00 | 60.56 0.76 0.00 | 34.38 0.32 0.00 | 24.73 0.15 0.00 | 26.10 0.10 0.00 | 43.82 0.09 0.00 |
| PUCKETT___SOLAR 323809 | 36.80 1.34 -0.55 | 28.17 0.90 -0.04 | 26.64 0.79 0.00 | 23.82 0.69 -0.11 | 21.98 0.69 0.00 | 23.54 0.78 0.00 | 25.87 0.96 -0.04 | 31.81 1.22 0.00 | 30.98 1.30 -0.14 | 30.04 1.29 -0.17 | 30.91 1.18 -0.89 | 25.56 1.11 0.00 | 35.31 1.64 0.00 | 40.97 1.88 0.00 | 42.63 1.99 0.00 | 40.78 1.85 0.00 | 49.64 2.53 0.00 | 61.14 3.06 0.00 | 75.60 4.05 0.00 | 63.25 3.45 0.00 | 40.16 1.90 -4.21 | 31.19 1.22 -5.40 | 30.74 1.24 -3.49 | 45.60 1.87 0.00 |
| PYRITES___HYD 24023 | 34.32 -0.82 -0.23 | 26.56 -0.69 -0.02 | 25.26 -0.60 0.00 | 22.42 -0.60 0.00 | 20.77 -0.52 0.00 | 22.25 -0.51 0.00 | 24.41 -0.47 -0.02 | 30.08 -0.51 0.00 | 28.81 -0.79 -0.06 | 27.69 -0.96 -0.07 | 27.63 -1.28 -0.07 | 19.90 -1.23 3.33 | 31.91 -1.76 0.00 | 37.14 -1.95 0.00 | 38.26 -2.38 0.00 | 36.46 -2.48 0.00 | 38.44 -3.01 5.67 | 5.35 -3.60 49.14 | 50.12 -3.73 17.70 | 56.92 -2.87 0.00 | 32.44 -1.61 0.00 | 23.84 -0.73 0.00 | 25.32 -0.69 0.00 | 43.05 -0.67 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|
| QUAKERRD_115KV_BK1 80622 | 34.82 | 27.07 | 25.60 | 22.75 | 21.04 | 22.49 | 24.71 | 30.45 | 29.50 | 28.70 | 29.15 | 24.60 | 33.95 | 39.39 | 41.01 | 39.21 | 47.57 | 58.43 | 71.81 | 60.25 | 35.36 | 26.07 | 26.88 | 43.78 |
| | -0.09 | -0.16 | -0.25 | -0.31 | -0.25 | -0.27 | -0.16 | -0.14 | -0.04 | 0.12 | 0.04 | 0.15 | 0.28 | 0.29 | 0.36 | 0.28 | 0.45 | 0.34 | 0.26 | 0.45 | 0.16 | 0.03 | -0.07 | 0.05 |
| | 0.00 | 0.00 | 0.00 | -0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.15 | -1.47 | -0.95 | 0.00 |
| QUENSBRY_115KV_TB8 356137 | 37.58 | 29.20 | 27.78 | 25.24 | 22.80 | 24.48 | 26.80 | 32.93 | 31.93 | 30.88 | 34.53 | 28.60 | 36.64 | 42.53 | 44.08 | 42.39 | 51.12 | 63.24 | 78.70 | 65.54 | 72.22 | 71.65 | 57.36 | 47.53 |
| | 2.67 | 1.96 | 1.92 | 1.72 | 1.51 | 1.72 | 1.94 | 2.33 | 2.39 | 2.30 | 2.45 | 2.17 | 2.98 | 3.44 | 3.44 | 3.46 | 4.00 | 5.15 | 7.14 | 5.75 | 3.53 | 2.61 | 2.61 | 3.81 |
| | 0.00 | 0.00 | 0.00 | -0.51 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.23 | -1.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -34.63 | -44.47 | -28.75 | 0.00 |
| RAMAPO___LBMP 323565 | 36.97 | 28.91 | 27.35 | 24.72 | 22.48 | 23.93 | 26.17 | 32.28 | 31.52 | 30.68 | 33.60 | 15.02 | 36.59 | 42.73 | 44.45 | 42.61 | 51.63 | 63.64 | 77.98 | 64.67 | 46.95 | 39.48 | 36.44 | 46.48 |
| | 2.06 | 1.67 | 1.49 | 1.35 | 1.19 | 1.17 | 1.30 | 1.69 | 1.98 | 2.10 | 2.45 | 2.15 | 2.92 | 3.64 | 3.81 | 3.68 | 4.52 | 5.55 | 6.43 | 4.88 | 2.70 | 1.82 | 1.98 | 2.75 |
| | 0.00 | 0.00 | 0.00 | -0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.30 | 11.58 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.20 | -13.09 | -8.46 | 0.00 |
| RANKINE____ 23646 | 36.15 | 28.03 | 26.49 | 23.51 | 21.76 | 23.24 | 25.62 | 31.53 | 30.57 | 29.81 | 30.19 | 25.48 | 35.22 | 40.73 | 42.45 | 40.36 | 49.05 | 59.96 | 73.54 | 61.99 | 36.93 | 27.51 | 28.08 | 45.34 |
| | 1.24 | 0.80 | 0.63 | 0.44 | 0.47 | 0.49 | 0.75 | 0.93 | 1.04 | 1.23 | 0.96 | 1.04 | 1.56 | 1.64 | 1.82 | 1.43 | 1.94 | 1.88 | 1.99 | 2.19 | 1.15 | 0.73 | 0.65 | 1.61 |
| | 0.00 | 0.00 | 0.00 | -0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.72 | -2.21 | -1.43 | 0.00 |
| RAVENSWOOD_GT2_1 24244 | 37.41 | 29.28 | 27.69 | 25.07 | 22.76 | 24.20 | 26.50 | 32.70 | 31.98 | 31.09 | 34.13 | 35.95 | 37.03 | 43.19 | 44.89 | 43.04 | 52.12 | 64.20 | 78.56 | 65.13 | 47.77 | 40.40 | 37.18 | 46.86 |
| | 2.50 | 2.05 | 1.83 | 1.67 | 1.47 | 1.45 | 1.63 | 2.10 | 2.44 | 2.51 | 2.86 | 2.52 | 3.37 | 4.10 | 4.25 | 4.10 | 5.01 | 6.11 | 7.01 | 5.33 | 2.97 | 2.04 | 2.26 | 3.13 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT2_2 24245 | 37.41 | 29.28 | 27.69 | 25.07 | 22.76 | 24.20 | 26.50 | 32.70 | 31.98 | 31.09 | 34.13 | 35.95 | 37.03 | 43.19 | 44.89 | 43.04 | 52.12 | 64.20 | 78.56 | 65.13 | 47.77 | 40.40 | 37.18 | 46.86 |
| | 2.50 | 2.05 | 1.83 | 1.67 | 1.47 | 1.45 | 1.63 | 2.10 | 2.44 | 2.51 | 2.86 | 2.52 | 3.37 | 4.10 | 4.25 | 4.10 | 5.01 | 6.11 | 7.01 | 5.33 | 2.97 | 2.04 | 2.26 | 3.13 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT2_3 24246 | 37.44 | 29.30 | 27.71 | 25.08 | 22.77 | 24.22 | 26.52 | 32.72 | 31.99 | 31.11 | 34.15 | 35.97 | 37.06 | 43.22 | 44.93 | 43.07 | 52.17 | 64.26 | 78.63 | 65.17 | 47.80 | 40.42 | 37.20 | 46.89 |
| | 2.53 | 2.07 | 1.85 | 1.68 | 1.48 | 1.47 | 1.65 | 2.12 | 2.46 | 2.53 | 2.88 | 2.54 | 3.39 | 4.13 | 4.29 | 4.14 | 5.05 | 6.17 | 7.07 | 5.38 | 3.00 | 2.05 | 2.28 | 3.17 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT2_4 24247 | 37.44 | 29.30 | 27.71 | 25.08 | 22.77 | 24.22 | 26.52 | 32.72 | 31.99 | 31.11 | 34.15 | 35.97 | 37.06 | 43.22 | 44.93 | 43.07 | 52.17 | 64.26 | 78.63 | 65.17 | 47.80 | 40.42 | 37.20 | 46.89 |
| | 2.53 | 2.07 | 1.85 | 1.68 | 1.48 | 1.47 | 1.65 | 2.12 | 2.46 | 2.53 | 2.88 | 2.54 | 3.39 | 4.13 | 4.29 | 4.14 | 5.05 | 6.17 | 7.07 | 5.38 | 3.00 | 2.05 | 2.28 | 3.17 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT3_1 24248 | 37.41 | 29.28 | 27.69 | 25.07 | 22.76 | 24.20 | 26.50 | 32.70 | 31.98 | 31.09 | 34.13 | 35.95 | 37.03 | 43.19 | 44.89 | 43.04 | 52.12 | 64.20 | 78.56 | 65.13 | 47.77 | 40.40 | 37.18 | 46.86 |
| | 2.50 | 2.05 | 1.83 | 1.67 | 1.47 | 1.45 | 1.63 | 2.10 | 2.44 | 2.51 | 2.86 | 2.52 | 3.37 | 4.10 | 4.25 | 4.10 | 5.01 | 6.11 | 7.01 | 5.33 | 2.97 | 2.04 | 2.26 | 3.13 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT3_2 24249 | 37.41 | 29.28 | 27.69 | 25.07 | 22.76 | 24.20 | 26.50 | 32.70 | 31.98 | 31.09 | 34.13 | 35.95 | 37.03 | 43.19 | 44.89 | 43.04 | 52.12 | 64.20 | 78.56 | 65.13 | 47.77 | 40.40 | 37.18 | 46.86 |
| | 2.50 | 2.05 | 1.83 | 1.67 | 1.47 | 1.45 | 1.63 | 2.10 | 2.44 | 2.51 | 2.86 | 2.52 | 3.37 | 4.10 | 4.25 | 4.10 | 5.01 | 6.11 | 7.01 | 5.33 | 2.97 | 2.04 | 2.26 | 3.13 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT3_3 24250 | 37.50 | 29.35 | 27.74 | 25.11 | 22.80 | 24.26 | 26.55 | 32.78 | 32.05 | 31.16 | 34.20 | 36.01 | 37.13 | 43.30 | 45.01 | 43.15 | 52.28 | 64.37 | 78.77 | 65.29 | 47.86 | 40.46 | 37.24 | 46.97 |
| | 2.59 | 2.12 | 1.88 | 1.72 | 1.52 | 1.50 | 1.69 | 2.18 | 2.52 | 2.58 | 2.93 | 2.59 | 3.47 | 4.22 | 4.38 | 4.22 | 5.16 | 6.29 | 7.22 | 5.50 | 3.06 | 2.10 | 2.32 | 3.24 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT3_4 24251 | 37.50 | 29.35 | 27.74 | 25.11 | 22.80 | 24.26 | 26.55 | 32.78 | 32.05 | 31.16 | 34.20 | 36.01 | 37.13 | 43.30 | 45.01 | 43.15 | 52.28 | 64.37 | 78.77 | 65.29 | 47.86 | 40.46 | 37.24 | 46.97 |
| | 2.59 | 2.12 | 1.88 | 1.72 | 1.52 | 1.50 | 1.69 | 2.18 | 2.52 | 2.58 | 2.93 | 2.59 | 3.47 | 4.22 | 4.38 | 4.22 | 5.16 | 6.29 | 7.22 | 5.50 | 3.06 | 2.10 | 2.32 | 3.24 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT_1 23729 | 37.38 | 29.25 | 27.66 | 25.06 | 22.74 | 24.19 | 26.49 | 32.67 | 31.95 | 31.05 | 34.14 | 35.95 | 37.00 | 43.15 | 42.54 | 42.96 | 52.03 | 64.06 | 78.32 | 64.95 | 47.66 | 40.34 | 37.11 | 46.80 |
| | 2.47 | 2.02 | 1.81 | 1.66 | 1.46 | 1.44 | 1.62 | 2.08 | 2.41 | 2.46 | 2.87 | 2.53 | 3.33 | 4.06 | 4.18 | 4.03 | 4.92 | 5.97 | 6.77 | 5.16 | 2.87 | 1.97 | 2.19 | 3.07 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 2.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.79 | -8.92 | 0.00 |
| RAVENSWOOD_GT_10 24258 | 37.41 | 29.29 | 27.69 | 25.07 | 22.76 | 24.21 | 26.50 | 32.70 | 31.98 | 31.10 | 34.13 | 35.95 | 37.04 | 43.20 | 44.64 | 43.04 | 52.14 | 64.21 | 78.59 | 65.14 | 47.77 | 40.41 | 37.18 | 46.88 |
| | 2.50 | 2.05 | 1.83 | 1.67 | 1.47 | 1.45 | 1.63 | 2.10 | 2.44 | 2.52 | 2.86 | 2.52 | 3.38 | 4.11 | 4.26 | 4.11 | 5.02 | 6.12 | 7.03 | 5.35 | 2.97 | 2.04 | 2.26 | 3.15 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |
| RAVENSWOOD_GT_11 24259 | 37.41 | 29.29 | 27.69 | 25.06 | 22.76 | 24.21 | 26.50 | 32.70 | 31.98 | 31.09 | 34.13 | 35.94 | 37.04 | 43.20 | 44.64 | 43.04 | 52.14 | 64.21 | 78.59 | 65.14 | 47.77 | 40.41 | 37.18 | 46.88 |
| | 2.50 | 2.05 | 1.83 | 1.67 | 1.47 | 1.45 | 1.63 | 2.10 | 2.44 | 2.51 | 2.86 | 2.52 | 3.37 | 4.11 | 4.26 | 4.11 | 5.02 | 6.12 | 7.04 | 5.35 | 2.96 | 2.04 | 2.26 | 3.15 |
| | 0.00 | 0.00 | 0.00 | -0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -2.42 | -8.98 | 0.00 | 0.00 | 0.26 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -10.74 | -13.80 | -8.92 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| RAVENSWOOD_GT_4 24252 | 37.43 2.52 0.00 | 29.30 2.07 0.00 | 27.70 1.85 0.00 | 25.07 1.67 -0.38 | 22.77 1.48 0.00 | 24.22 1.46 0.00 | 26.52 1.65 0.00 | 32.71 2.12 0.00 | 31.99 2.46 0.00 | 31.11 2.53 0.00 | 34.14 2.87 -2.42 | 35.96 2.53 -8.98 | 37.07 3.40 0.00 | 43.22 4.13 0.00 | 43.20 4.30 1.73 | 43.08 4.15 0.00 | 52.18 5.07 0.00 | 64.27 6.19 0.00 | 78.66 7.11 0.00 | 65.20 5.41 0.00 | 47.81 3.01 -10.74 | 40.43 2.06 -13.79 | 37.20 2.29 -8.92 | 46.90 3.17 0.00 |
| RAVENSWOOD_GT_5 24254 | 37.43 2.52 0.00 | 29.30 2.07 0.00 | 27.70 1.85 0.00 | 25.07 1.67 -0.38 | 22.77 1.48 0.00 | 24.22 1.46 0.00 | 26.52 1.65 0.00 | 32.71 2.12 0.00 | 31.99 2.46 0.00 | 31.11 2.53 0.00 | 34.14 2.87 -2.42 | 35.96 2.53 -8.98 | 37.07 3.40 0.00 | 43.22 4.13 0.00 | 43.20 4.30 1.73 | 43.08 4.15 0.00 | 52.18 5.07 0.00 | 64.27 6.19 0.00 | 78.66 7.11 0.00 | 65.20 5.41 0.00 | 47.81 3.01 -10.74 | 40.43 2.06 -13.79 | 37.20 2.29 -8.92 | 46.90 3.17 0.00 |
| RAVENSWOOD_GT_6 24253 | 37.43 2.52 0.00 | 29.30 2.07 0.00 | 27.70 1.85 0.00 | 25.07 1.67 -0.38 | 22.77 1.48 0.00 | 24.22 1.46 0.00 | 26.52 1.65 0.00 | 32.71 2.12 0.00 | 31.99 2.46 0.00 | 31.11 2.53 0.00 | 34.14 2.87 -2.42 | 35.96 2.53 -8.98 | 37.07 3.40 0.00 | 43.22 4.13 0.00 | 43.20 4.30 1.73 | 43.08 4.15 0.00 | 52.18 5.07 0.00 | 64.27 6.19 0.00 | 78.66 7.11 0.00 | 65.20 5.41 0.00 | 47.81 3.01 -10.74 | 40.43 2.06 -13.79 | 37.20 2.29 -8.92 | 46.90 3.17 0.00 |
| RAVENSWOOD_GT_7 24255 | 37.43 2.52 0.00 | 29.30 2.07 0.00 | 27.70 1.85 0.00 | 25.07 1.67 -0.38 | 22.77 1.48 0.00 | 24.22 1.46 0.00 | 26.52 1.65 0.00 | 32.71 2.12 0.00 | 31.99 2.46 0.00 | 31.11 2.53 0.00 | 34.14 2.87 -2.42 | 35.96 2.53 -8.98 | 37.07 3.40 0.00 | 43.22 4.13 0.00 | 43.20 4.30 1.73 | 43.08 4.15 0.00 | 52.18 5.07 0.00 | 64.27 6.19 0.00 | 78.66 7.11 0.00 | 65.20 5.41 0.00 | 47.81 3.01 -10.74 | 40.43 2.06 -13.79 | 37.20 2.29 -8.92 | 46.90 3.17 0.00 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 37.41 2.50 0.00 | 29.29 2.05 0.00 | 27.69 1.83 0.00 | 25.07 1.67 -0.38 | 22.76 1.47 0.00 | 24.21 1.45 0.00 | 26.50 1.63 0.00 | 32.70 2.10 0.00 | 31.98 2.44 0.00 | 31.10 2.52 0.00 | 34.13 2.86 -2.42 | 35.95 2.52 -8.98 | 37.04 3.38 0.00 | 43.20 4.11 0.00 | 44.64 4.26 0.26 | 43.04 4.11 0.00 | 52.14 5.02 0.00 | 64.21 6.12 0.00 | 78.59 7.03 0.00 | 65.14 5.35 0.00 | 47.77 2.97 -10.74 | 40.41 2.04 -13.80 | 37.18 2.26 -8.92 | 46.88 3.15 0.00 |
| RAVENSWOOD_GT_9 24257 | 37.41 2.50 0.00 | 29.29 2.05 0.00 | 27.69 1.83 0.00 | 25.07 1.67 -0.38 | 22.76 1.47 0.00 | 24.21 1.45 0.00 | 26.50 1.63 0.00 | 32.70 2.10 0.00 | 31.98 2.44 0.00 | 31.10 2.52 0.00 | 34.13 2.86 -2.42 | 35.95 2.52 -8.98 | 37.04 3.38 0.00 | 43.20 4.11 0.00 | 44.64 4.26 0.26 | 43.04 4.11 0.00 | 52.14 5.02 0.00 | 64.21 6.12 0.00 | 78.59 7.03 0.00 | 65.14 5.35 0.00 | 47.77 2.97 -10.74 | 40.41 2.04 -13.80 | 37.18 2.26 -8.92 | 46.88 3.15 0.00 |
| RAVENSWOOD___1 23533 | 37.37 2.46 0.00 | 29.24 2.01 0.00 | 27.65 1.79 0.00 | 25.05 1.65 -0.38 | 22.73 1.45 0.00 | 24.18 1.42 0.00 | 26.48 1.61 0.00 | 32.67 2.07 0.00 | 31.94 2.40 0.00 | 31.04 2.45 0.00 | 34.12 2.84 -2.42 | 35.94 2.52 -8.98 | 36.97 3.30 0.00 | 43.12 4.03 0.00 | 40.20 4.15 4.60 | 42.94 4.01 0.00 | 51.99 4.88 0.00 | 64.02 5.93 0.00 | 78.28 6.73 0.00 | 64.91 5.12 0.00 | 47.64 2.84 -10.74 | 40.32 1.96 -13.79 | 37.09 2.18 -8.92 | 46.77 3.04 0.00 |
| RAVENSWOOD___2 23534 | 37.35 2.45 0.00 | 29.22 2.00 0.01 | 27.64 1.78 0.00 | 25.04 1.64 -0.38 | 22.73 1.44 0.00 | 24.17 1.42 0.00 | 26.46 1.60 0.00 | 32.64 2.05 0.00 | 31.91 2.37 0.00 | 30.99 2.41 0.00 | 34.06 2.79 -2.42 | 35.88 2.45 -8.98 | 36.79 3.12 0.00 | 42.91 3.82 0.00 | 39.79 3.81 4.66 | 42.58 3.65 0.00 | 51.57 4.45 0.00 | 63.49 5.40 0.00 | 77.64 6.09 0.00 | 64.38 4.58 0.00 | 47.33 2.53 -10.74 | 40.11 1.74 -13.79 | 36.89 1.98 -8.92 | 46.55 2.82 0.00 |
| RAVENSWOOD___3 23535 | 37.41 2.50 0.00 | 29.29 2.05 0.00 | 27.69 1.83 0.00 | 25.06 1.67 -0.38 | 22.76 1.47 0.00 | 24.21 1.45 0.00 | 26.50 1.63 0.00 | 32.70 2.10 0.00 | 31.98 2.44 0.00 | 31.09 2.51 0.00 | 34.13 2.86 -2.42 | 35.94 2.52 -8.98 | 37.03 3.37 0.00 | 43.19 4.10 0.00 | 44.89 4.25 0.00 | 43.04 4.11 0.00 | 52.14 5.02 0.00 | 64.20 6.12 0.00 | 78.56 7.01 0.00 | 65.13 5.33 0.00 | 47.77 2.96 -10.74 | 40.40 2.04 -13.80 | 37.18 2.26 -8.92 | 46.87 3.14 0.00 |
| RAVENSWOOD___4 23820 | 37.35 2.45 0.00 | 29.22 2.00 0.01 | 27.64 1.78 0.00 | 25.04 1.64 -0.38 | 22.73 1.44 0.00 | 24.17 1.42 0.00 | 26.46 1.60 0.00 | 32.64 2.05 0.00 | 31.92 2.38 0.00 | 31.02 2.44 0.00 | 34.10 2.83 -2.42 | 35.92 2.50 -8.98 | 36.95 3.29 0.00 | 43.10 4.01 0.00 | 37.81 4.12 6.95 | 42.90 3.97 0.01 | 51.95 4.84 0.01 | 63.97 5.89 0.01 | 78.23 6.68 0.01 | 64.87 5.08 0.00 | 47.62 2.82 -10.74 | 40.30 1.94 -13.79 | 37.08 2.16 -8.92 | 46.75 3.02 0.00 |
| RCPL_TRUST___DRP 24196 | 37.42 2.51 0.00 | 29.29 2.06 0.00 | 27.69 1.83 0.00 | 25.07 1.67 -0.38 | 22.76 1.47 0.00 | 24.22 1.46 0.00 | 26.52 1.65 0.00 | 32.73 2.13 0.00 | 32.01 2.47 0.00 | 31.17 2.58 0.00 | 34.21 2.94 -2.42 | 36.04 2.61 -8.98 | 37.17 3.51 0.00 | 43.35 4.26 0.00 | 45.04 4.41 0.00 | 43.18 4.24 0.00 | 52.30 5.19 0.00 | 64.43 6.34 0.00 | 78.83 7.28 0.00 | 65.30 5.51 0.00 | 47.87 3.07 -10.74 | 40.45 2.09 -13.79 | 37.21 2.29 -8.92 | 46.92 3.19 0.00 |
| RED___ROCHESTER 323720 | 36.24 1.33 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.32 0.56 0.00 | 25.65 0.78 0.00 | 31.61 1.01 0.00 | 30.65 1.11 0.00 | 29.85 1.26 0.00 | 30.29 1.16 -0.28 | 25.59 1.15 0.00 | 35.34 1.68 0.00 | 41.03 1.94 0.00 | 42.76 2.12 0.00 | 40.85 1.92 0.00 | 49.55 2.43 0.00 | 60.79 2.71 0.00 | 74.62 3.07 0.00 | 62.71 2.91 0.00 | 36.82 1.57 -1.19 | 27.14 1.04 -1.53 | 27.97 0.97 -0.99 | 45.59 1.86 0.00 |
| REGAN___SOLAR 323812 | 38.68 3.77 0.00 | 30.04 2.81 0.00 | 28.52 2.67 0.00 | 25.97 2.37 -0.58 | 23.45 2.16 0.00 | 25.09 2.33 0.00 | 27.49 2.62 0.00 | 33.40 2.80 0.00 | 32.15 2.61 0.00 | 30.57 1.99 0.00 | 34.71 2.17 -3.69 | 27.79 1.75 -1.60 | 36.63 2.97 0.00 | 41.71 2.63 0.00 | 42.92 2.28 0.00 | 41.11 2.18 0.00 | 50.47 3.35 0.00 | 62.71 4.62 0.00 | 79.18 7.63 0.00 | 67.46 7.67 0.00 | 70.89 4.50 -32.33 | 69.26 3.18 -41.52 | 56.05 3.20 -26.84 | 48.82 5.09 0.00 |
| RENSSELAER___COGEN 23796 | 35.88 0.97 0.00 | 28.12 0.88 0.00 | 26.73 0.88 0.00 | 24.33 0.82 -0.49 | 21.99 0.70 0.00 | 23.52 0.77 0.00 | 25.61 0.74 0.00 | 31.31 0.72 0.00 | 30.34 0.81 0.00 | 29.36 0.78 0.00 | 32.87 0.91 -3.11 | 27.27 0.76 -2.06 | 34.74 1.07 0.00 | 40.36 1.28 0.00 | 41.88 1.24 0.00 | 40.19 1.26 0.00 | 48.45 1.34 0.00 | 59.75 1.66 0.00 | 73.53 1.98 0.00 | 61.35 1.56 0.00 | 58.44 1.02 -23.36 | 55.30 0.73 -30.00 | 46.21 0.81 -19.39 | 44.57 0.84 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 39.50 4.59 0.00 | 30.44 3.21 0.00 | 29.02 3.17 0.00 | 26.35 2.83 -0.51 | 23.76 2.47 0.00 | 25.66 2.91 0.00 | 28.26 3.40 0.00 | 34.73 4.13 0.00 | 33.60 4.06 0.00 | 32.39 3.81 0.00 | 36.25 4.17 -3.23 | 30.24 3.82 -1.98 | 39.05 5.39 0.00 | 45.54 6.45 0.00 | 46.85 6.21 0.00 | 45.05 6.11 0.00 | 53.93 6.81 0.00 | 66.83 8.75 0.00 | 83.51 11.95 0.00 | 69.21 9.41 0.00 | 74.19 5.61 -34.52 | 73.14 4.25 -44.32 | 58.92 4.26 -28.65 | 50.20 6.47 0.00 |

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|---------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| REVERE_CPPR_DRP 24186 | 36.78 1.45 -0.42 | 28.22 0.95 -0.03 | 26.67 0.81 0.00 | 23.72 0.68 -0.02 | 21.99 0.70 0.00 | 23.63 0.87 0.00 | 25.96 1.06 -0.03 | 31.93 1.33 0.00 | 30.87 1.23 -0.11 | 29.84 1.13 -0.13 | 30.18 1.09 -0.24 | 25.41 0.97 0.00 | 35.03 1.37 0.00 | 40.92 1.83 0.00 | 42.42 1.78 0.00 | 40.60 1.67 0.00 | 50.85 2.23 -1.50 | 69.37 2.85 -8.44 | 75.31 3.76 0.00 | 63.08 3.29 0.00 | 35.88 1.82 0.00 | 25.82 1.25 0.00 | 27.38 1.38 0.00 | 45.80 2.07 0.00 |
| REYNOLDS_115KV_TB3 80639 | 36.16 1.25 0.00 | 28.38 1.14 0.00 | 26.99 1.13 0.00 | 24.54 1.04 -0.49 | 22.19 0.90 0.00 | 23.74 0.98 0.00 | 25.84 0.97 0.00 | 31.57 0.97 0.00 | 30.63 1.09 0.00 | 29.67 1.09 0.00 | 33.23 1.27 -3.11 | 27.62 1.06 -2.12 | 35.15 1.48 0.00 | 40.86 1.77 0.00 | 42.40 1.76 0.00 | 40.68 1.75 0.00 | 48.97 1.86 0.00 | 60.38 2.29 0.00 | 74.34 2.78 0.00 | 62.02 2.23 0.00 | 60.20 1.42 -24.72 | 57.34 1.03 -31.74 | 47.66 1.14 -20.52 | 45.10 1.37 0.00 |
| RIVERBAY____ 323610 | 37.68 2.77 0.00 | 29.45 2.22 0.00 | 27.84 1.98 0.00 | 25.26 1.87 -0.38 | 22.87 1.58 0.00 | 24.33 1.58 0.00 | 26.67 1.80 0.00 | 32.90 2.30 0.00 | 32.12 2.58 0.00 | 31.14 2.57 0.00 | 34.24 2.96 -2.42 | 36.09 2.66 -8.98 | 37.43 3.76 0.00 | 43.76 4.67 0.00 | 45.17 4.53 0.00 | 43.26 4.33 0.00 | 52.34 5.23 0.00 | 64.47 6.38 0.00 | 78.68 7.13 0.00 | 65.42 5.63 0.00 | 48.05 3.25 -10.74 | 40.64 2.28 -13.79 | 37.41 2.49 -8.92 | 47.27 3.54 0.00 |
| RIVERSDE_115KV_TB3 55908 | 36.11 1.20 0.00 | 28.31 1.08 0.00 | 26.92 1.06 0.00 | 24.49 0.98 -0.49 | 22.14 0.85 0.00 | 23.68 0.93 0.00 | 25.79 0.92 0.00 | 31.53 0.94 0.00 | 30.59 1.05 0.00 | 29.62 1.04 0.00 | 33.18 1.21 -3.12 | 27.55 1.02 -2.08 | 35.09 1.43 0.00 | 40.80 1.70 0.00 | 42.33 1.70 0.00 | 40.63 1.70 0.00 | 48.94 1.82 0.00 | 60.35 2.27 0.00 | 74.28 2.72 0.00 | 61.96 2.16 0.00 | 60.48 1.37 -25.05 | 57.72 0.98 -32.17 | 47.88 1.08 -20.80 | 45.00 1.27 0.00 |
| ROARING__BROOK_WT_PWR 323790 | 34.49 -0.42 0.00 | 26.81 -0.43 0.00 | 25.45 -0.40 0.00 | 22.63 -0.39 0.00 | 21.01 -0.28 0.00 | 22.50 -0.25 0.00 | 24.59 -0.27 0.00 | 30.30 -0.30 0.00 | 29.13 -0.40 0.00 | 28.11 -0.47 0.00 | 28.28 -0.57 0.00 | 25.45 -0.57 -1.58 | 32.89 -0.78 0.00 | 38.20 -0.89 0.00 | 39.71 -0.93 0.00 | 38.04 -0.89 0.00 | 45.59 -1.07 0.45 | 62.38 -1.37 -5.67 | 78.49 -1.47 -8.40 | 58.63 -1.16 0.00 | 33.37 -0.69 0.00 | 24.06 -0.51 0.00 | 25.47 -0.54 0.00 | 43.00 -0.73 0.00 |
| ROCHESRG_115KV_T4 355643 | 35.71 0.80 0.00 | 27.76 0.52 0.00 | 26.24 0.39 0.00 | 23.30 0.24 -0.04 | 21.54 0.25 0.00 | 23.02 0.27 0.00 | 25.32 0.45 0.00 | 31.18 0.58 0.00 | 30.20 0.66 0.00 | 29.38 0.80 0.00 | 29.79 0.66 -0.28 | 25.12 0.68 0.00 | 34.68 1.01 0.00 | 40.22 1.13 0.00 | 41.90 1.26 0.00 | 40.03 1.10 0.00 | 48.56 1.45 0.00 | 59.56 1.48 0.00 | 73.15 1.60 0.00 | 61.49 1.69 0.00 | 36.12 0.88 -1.18 | 26.65 0.56 -1.52 | 27.48 0.50 -0.98 | 44.84 1.11 0.00 |
| ROCHESTER_9_IC 23652 | 35.99 1.08 0.00 | 27.96 0.73 0.00 | 26.43 0.57 0.00 | 23.46 0.40 -0.04 | 21.69 0.40 0.00 | 23.19 0.43 0.00 | 25.50 0.63 0.00 | 31.41 0.82 0.00 | 30.44 0.91 0.00 | 29.63 1.05 0.00 | 30.06 0.93 -0.28 | 25.36 0.92 0.00 | 35.02 1.36 0.00 | 40.64 1.55 0.00 | 42.34 1.71 0.00 | 40.45 1.52 0.00 | 49.08 1.96 0.00 | 60.20 2.11 0.00 | 73.92 2.37 0.00 | 62.12 2.33 0.00 | 36.49 1.24 -1.19 | 26.92 0.82 -1.53 | 27.74 0.74 -0.99 | 45.23 1.50 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 37.55 2.64 0.00 | 29.36 2.12 0.00 | 27.76 1.91 0.00 | 25.11 1.71 -0.38 | 22.82 1.53 0.00 | 24.28 1.53 0.00 | 26.57 1.70 0.00 | 32.77 2.18 0.00 | 32.02 2.48 0.00 | 31.17 2.58 0.00 | 34.23 2.96 -2.42 | 36.03 2.61 -8.97 | 37.18 3.52 0.00 | 43.38 4.29 0.00 | 45.11 4.47 0.00 | 43.24 4.31 0.00 | 52.39 5.27 0.00 | 64.56 6.47 0.00 | 79.05 7.50 0.00 | 65.55 5.75 0.00 | 48.00 3.20 -10.75 | 40.56 2.20 -13.80 | 37.30 2.38 -8.92 | 47.08 3.35 0.00 |
| ROME____115KV_TB2 80656 | 36.78 1.45 -0.42 | 28.22 0.95 -0.03 | 26.67 0.81 0.00 | 23.72 0.68 -0.02 | 21.99 0.70 0.00 | 23.63 0.87 0.00 | 25.96 1.06 -0.03 | 31.93 1.33 0.00 | 30.87 1.23 -0.11 | 29.84 1.13 -0.13 | 30.18 1.09 -0.24 | 25.41 0.97 0.00 | 35.03 1.37 0.00 | 40.92 1.83 0.00 | 42.42 1.78 0.00 | 40.60 1.67 0.00 | 50.85 2.23 -1.50 | 69.37 2.85 -8.44 | 75.31 3.76 0.00 | 63.08 3.29 0.00 | 35.88 1.82 0.00 | 25.82 1.25 0.00 | 27.38 1.38 0.00 | 45.80 2.07 0.00 |
| ROSETON__1 23587 | 36.91 2.00 0.00 | 28.86 1.62 0.00 | 27.33 1.47 0.00 | 24.73 1.34 -0.38 | 22.47 1.18 0.00 | 23.95 1.20 0.00 | 26.17 1.31 0.00 | 32.23 1.63 0.00 | 31.43 1.89 0.00 | 30.56 1.98 0.00 | 33.57 2.30 -2.42 | 26.44 1.99 0.00 | 36.34 2.68 0.00 | 42.36 3.27 0.00 | 44.03 3.39 0.00 | 42.21 3.28 0.00 | 51.10 3.99 0.00 | 62.97 4.88 0.00 | 77.20 5.65 0.00 | 64.12 4.32 0.00 | 47.18 2.44 -10.68 | 39.97 1.68 -13.71 | 36.71 1.84 -8.87 | 46.25 2.52 0.00 |
| ROSETON__2 23588 | 36.91 2.00 0.00 | 28.86 1.62 0.00 | 27.33 1.47 0.00 | 24.73 1.34 -0.38 | 22.47 1.18 0.00 | 23.95 1.20 0.00 | 26.17 1.31 0.00 | 32.23 1.63 0.00 | 31.43 1.89 0.00 | 30.56 1.98 0.00 | 33.57 2.30 -2.42 | 26.44 1.99 0.00 | 36.34 2.68 0.00 | 42.36 3.27 0.00 | 44.03 3.39 0.00 | 42.21 3.28 0.00 | 51.10 3.99 0.00 | 62.97 4.88 0.00 | 77.20 5.65 0.00 | 64.12 4.32 0.00 | 47.18 2.44 -10.68 | 39.97 1.68 -13.71 | 36.71 1.84 -8.87 | 46.25 2.52 0.00 |
| ROTTTRDAM_115KV_TB3 80664 | 36.57 1.66 0.00 | 28.57 1.33 0.00 | 27.13 1.28 0.00 | 24.70 1.17 -0.51 | 22.33 1.04 0.00 | 23.87 1.12 0.00 | 26.05 1.18 0.00 | 31.97 1.37 0.00 | 31.02 1.48 0.00 | 30.06 1.48 0.00 | 33.78 1.66 -3.27 | 27.81 1.45 -1.91 | 35.67 2.00 0.00 | 41.41 2.32 0.00 | 42.98 2.34 0.00 | 41.21 2.29 0.00 | 49.79 2.68 0.00 | 61.44 3.36 0.00 | 75.74 4.19 0.00 | 63.24 3.44 0.00 | 72.68 2.07 -36.55 | 72.98 1.48 -46.94 | 57.89 1.55 -30.34 | 45.89 2.16 0.00 |
| RUSSELL__1 23602 | 36.24 1.33 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.32 0.56 0.00 | 25.65 0.78 0.00 | 31.61 1.01 0.00 | 30.65 1.11 0.00 | 29.85 1.26 0.00 | 30.29 1.16 -0.28 | 25.57 1.13 0.00 | 35.34 1.67 0.00 | 41.02 1.93 0.00 | 42.74 2.11 0.00 | 40.84 1.91 0.00 | 49.54 2.42 0.00 | 60.78 2.70 0.00 | 74.62 3.07 0.00 | 62.71 2.92 0.00 | 36.81 1.56 -1.19 | 27.14 1.04 -1.53 | 27.96 0.97 -0.99 | 45.58 1.86 0.00 |
| RUSSELL__2 23532 | 36.24 1.33 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.32 0.56 0.00 | 25.65 0.78 0.00 | 31.61 1.01 0.00 | 30.65 1.11 0.00 | 29.85 1.26 0.00 | 30.29 1.16 -0.28 | 25.57 1.13 0.00 | 35.34 1.67 0.00 | 41.02 1.93 0.00 | 42.74 2.11 0.00 | 40.84 1.91 0.00 | 49.54 2.42 0.00 | 60.78 2.70 0.00 | 74.62 3.07 0.00 | 62.71 2.92 0.00 | 36.81 1.56 -1.19 | 27.14 1.04 -1.53 | 27.96 0.97 -0.99 | 45.58 1.86 0.00 |
| RUSSELL__3 23549 | 36.24 1.33 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.32 0.56 0.00 | 25.65 0.78 0.00 | 31.61 1.01 0.00 | 30.65 1.11 0.00 | 29.85 1.26 0.00 | 30.29 1.16 -0.28 | 25.57 1.13 0.00 | 35.34 1.67 0.00 | 41.02 1.93 0.00 | 42.74 2.11 0.00 | 40.84 1.91 0.00 | 49.54 2.42 0.00 | 60.78 2.70 0.00 | 74.62 3.07 0.00 | 62.71 2.92 0.00 | 36.81 1.56 -1.19 | 27.14 1.04 -1.53 | 27.96 0.97 -0.99 | 45.58 1.86 0.00 |

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| RUSSELL___4 23556 | 36.24 1.33 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.32 0.56 0.00 | 25.65 0.78 0.00 | 31.61 1.01 0.00 | 30.65 1.11 0.00 | 29.85 1.26 0.00 | 30.29 1.16 -0.28 | 25.57 1.13 0.00 | 35.34 1.67 0.00 | 41.02 1.93 0.00 | 42.74 2.11 0.00 | 40.84 1.91 0.00 | 49.54 2.42 0.00 | 60.78 2.70 0.00 | 74.62 3.07 0.00 | 62.71 2.92 0.00 | 36.81 1.56 -1.19 | 27.14 1.04 -1.53 | 27.96 0.97 -0.99 | 45.58 1.86 0.00 |
| RUSSELL___STATION 23914 | 36.24 1.33 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.32 0.56 0.00 | 25.65 0.78 0.00 | 31.61 1.01 0.00 | 30.65 1.11 0.00 | 29.85 1.26 0.00 | 30.29 1.16 -0.28 | 25.57 1.13 0.00 | 35.34 1.67 0.00 | 41.02 1.93 0.00 | 42.74 2.11 0.00 | 40.84 1.91 0.00 | 49.54 2.42 0.00 | 60.78 2.70 0.00 | 74.62 3.07 0.00 | 62.71 2.92 0.00 | 36.81 1.56 -1.19 | 27.14 1.04 -1.53 | 27.96 0.97 -0.99 | 45.58 1.86 0.00 |
| S SALMON___HYD 24043 | 36.79 -0.05 -1.94 | 27.17 -0.22 -0.15 | 25.60 -0.26 0.00 | 22.77 -0.27 -0.03 | 21.15 -0.14 0.00 | 22.68 -0.07 0.00 | 25.01 0.02 -0.13 | 30.67 0.08 0.00 | 30.12 0.07 -0.51 | 29.25 0.07 -0.60 | 29.63 0.02 -0.76 | 24.09 -0.06 0.30 | 33.61 -0.06 0.00 | 39.24 0.14 0.00 | 40.71 0.08 0.00 | 38.77 -0.16 0.00 | 48.91 -0.09 -1.88 | 67.04 -0.03 -8.98 | 70.20 0.25 1.61 | 60.21 0.42 0.00 | 34.21 0.16 0.00 | 24.63 0.06 0.00 | 26.11 0.11 0.00 | 43.83 0.10 0.00 |
| S.PERRY___115KV_TB1 80734 | 36.40 1.49 0.00 | 28.21 0.97 0.00 | 26.65 0.79 0.00 | 23.74 0.66 -0.06 | 21.99 0.70 0.00 | 23.54 0.78 0.00 | 25.92 1.05 0.00 | 31.89 1.29 0.00 | 30.47 0.93 0.00 | 29.21 0.62 0.00 | 29.36 0.12 -0.39 | 24.50 0.05 0.00 | 33.72 0.06 0.00 | 39.08 -0.01 0.00 | 41.03 0.39 0.00 | 39.10 0.17 0.00 | 47.41 0.29 0.00 | 58.13 0.05 0.00 | 72.24 0.68 0.00 | 61.02 1.23 0.00 | 36.89 1.05 -1.79 | 27.65 0.77 -2.30 | 28.15 0.66 -1.49 | 44.49 0.76 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 35.89 0.98 0.00 | 27.87 0.64 0.00 | 26.34 0.48 0.00 | 23.36 0.29 -0.06 | 21.61 0.32 0.00 | 23.07 0.31 0.00 | 25.43 0.56 0.00 | 31.25 0.65 0.00 | 30.27 0.73 0.00 | 29.49 0.91 0.00 | 29.84 0.62 -0.36 | 25.17 0.72 0.00 | 34.75 1.08 0.00 | 40.12 1.04 0.00 | 41.80 1.16 0.00 | 39.79 0.86 0.00 | 48.34 1.23 0.00 | 59.04 0.95 0.00 | 72.35 0.80 0.00 | 61.11 1.32 0.00 | 36.38 0.69 -1.64 | 27.09 0.42 -2.10 | 27.70 0.34 -1.36 | 44.91 1.18 0.00 |
| SAWYER___23_KV_LOAD 55526 | 35.89 0.98 0.00 | 27.87 0.64 0.00 | 26.34 0.48 0.00 | 23.36 0.29 -0.06 | 21.61 0.32 0.00 | 23.07 0.31 0.00 | 25.43 0.56 0.00 | 31.25 0.65 0.00 | 30.27 0.73 0.00 | 29.49 0.91 0.00 | 29.84 0.62 -0.36 | 25.17 0.72 0.00 | 34.75 1.08 0.00 | 40.12 1.04 0.00 | 41.80 1.16 0.00 | 39.79 0.86 0.00 | 48.34 1.23 0.00 | 59.04 0.95 0.00 | 72.35 0.80 0.00 | 61.11 1.32 0.00 | 36.38 0.69 -1.64 | 27.09 0.42 -2.10 | 27.70 0.34 -1.36 | 44.91 1.18 0.00 |
| SELKIRK___I 23801 | 36.25 1.33 0.00 | 28.39 1.15 0.00 | 27.00 1.14 0.00 | 24.56 1.06 -0.48 | 22.22 0.93 0.00 | 23.78 1.02 0.00 | 25.89 1.03 0.00 | 31.65 1.05 0.00 | 30.58 1.05 0.00 | 29.51 0.93 0.00 | 32.63 0.73 -3.05 | 26.84 0.51 -1.90 | -52.22 0.67 86.56 | 16.88 0.75 22.96 | 41.35 0.71 0.00 | 39.69 0.76 0.00 | 47.88 0.76 0.00 | 59.00 0.92 0.00 | 72.70 1.14 0.00 | 60.72 0.92 0.00 | 54.61 0.67 -19.88 | 50.59 0.49 -25.53 | 43.06 0.55 -16.50 | 44.18 0.45 0.00 |
| SELKIRK___II 23799 | 36.04 1.13 0.00 | 28.22 0.99 0.00 | 26.83 0.97 0.00 | 24.41 0.91 -0.48 | 22.07 0.79 0.00 | 23.61 0.85 0.00 | 25.71 0.85 0.00 | 31.44 0.84 0.00 | 30.36 0.83 0.00 | 29.34 0.75 0.00 | 32.79 0.86 -3.09 | 27.15 0.70 -2.01 | -283.98 0.93 318.58 | -44.32 1.08 84.49 | 41.71 1.07 0.00 | 40.02 1.09 0.00 | 48.30 1.18 0.00 | 59.53 1.45 0.00 | 73.27 1.72 0.00 | 61.13 1.34 0.00 | 55.69 0.88 -20.76 | 51.87 0.65 -26.65 | 43.96 0.73 -17.23 | 44.47 0.74 0.00 |
| SENECA OSWGO___HYD 24041 | 37.26 -0.37 -2.72 | 27.10 -0.35 -0.21 | 25.49 -0.37 0.00 | 22.70 -0.34 -0.03 | 21.00 -0.29 0.00 | 22.46 -0.29 0.00 | 24.77 -0.28 -0.18 | 30.28 -0.32 0.00 | 29.99 -0.26 -0.71 | 29.23 -0.19 -0.84 | 29.69 -0.18 -1.02 | 24.36 -0.09 0.00 | 33.59 -0.07 0.00 | 39.02 -0.07 0.00 | 40.53 -0.11 0.00 | 38.82 -0.11 0.00 | 47.65 -0.06 -0.59 | 61.32 -0.07 -3.31 | 71.49 -0.06 0.00 | 59.80 0.00 0.00 | 33.96 -0.10 0.00 | 24.44 -0.13 0.00 | 25.81 -0.19 0.00 | 43.36 -0.37 0.00 |
| SENECA___115KV_TB3 355854 | 36.21 1.30 0.00 | 28.08 0.84 0.00 | 26.54 0.68 0.00 | 23.56 0.48 -0.06 | 21.80 0.51 0.00 | 23.28 0.53 0.00 | 25.67 0.80 0.00 | 31.59 0.99 0.00 | 30.63 1.10 0.00 | 29.87 1.28 0.00 | 30.25 1.03 -0.38 | 25.54 1.10 0.00 | 35.31 1.64 0.00 | 40.83 1.74 0.00 | 42.55 1.91 0.00 | 40.44 1.51 0.00 | 49.17 2.05 0.00 | 60.10 2.01 0.00 | 73.71 2.15 0.00 | 62.12 2.33 0.00 | 37.01 1.23 -1.72 | 27.57 0.79 -2.21 | 28.14 0.71 -1.43 | 45.42 1.70 0.00 |
| SENECA___ENERGY 23797 | 36.56 0.52 -1.13 | 27.61 0.29 -0.09 | 26.05 0.19 0.00 | 23.23 0.17 -0.05 | 21.48 0.19 0.00 | 23.00 0.24 0.00 | 25.31 0.37 -0.08 | 31.12 0.52 0.00 | 30.45 0.62 -0.30 | 29.63 0.70 -0.35 | 30.14 0.65 -0.64 | 25.13 0.69 0.00 | 34.78 1.12 0.00 | 40.39 1.30 0.00 | 41.95 1.32 0.00 | 40.10 1.17 0.00 | 49.04 1.59 -0.33 | 61.91 1.96 -1.87 | 74.04 2.49 0.00 | 61.93 2.13 0.00 | 36.44 1.09 -1.29 | 26.89 0.67 -1.65 | 27.67 0.60 -1.07 | 44.61 0.88 0.00 |
| SHOEMAKER___GT 23640 | 36.77 1.86 0.00 | 28.72 1.49 0.00 | 27.21 1.36 0.00 | 24.58 1.23 -0.34 | 22.38 1.10 0.00 | 23.86 1.10 0.00 | 26.08 1.21 0.00 | 32.14 1.54 0.00 | 31.29 1.76 0.00 | 30.40 1.82 0.00 | 33.06 2.06 -2.15 | 19.22 1.79 7.01 | 36.06 2.39 0.00 | 42.04 2.95 0.00 | 43.78 3.14 0.00 | 41.97 3.04 0.00 | 50.85 3.73 0.00 | 62.71 4.62 0.00 | 77.01 5.45 0.00 | 64.05 4.26 0.00 | 45.97 2.39 -9.52 | 38.43 1.63 -12.22 | 35.65 1.75 -7.90 | 46.20 2.47 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 36.74 1.83 0.00 | 28.70 1.46 0.00 | 27.18 1.33 0.00 | 24.55 1.20 -0.33 | 22.36 1.07 0.00 | 23.83 1.08 0.00 | 26.05 1.18 0.00 | 32.10 1.50 0.00 | 31.27 1.73 0.00 | 30.39 1.81 0.00 | 33.05 2.07 -2.13 | 19.60 1.81 6.64 | 36.09 2.43 0.00 | 42.10 3.01 0.00 | 43.81 3.17 0.00 | 41.99 3.06 0.00 | 50.88 3.76 0.00 | 62.75 4.66 0.00 | 77.02 5.46 0.00 | 64.05 4.25 0.00 | 45.86 2.38 -9.43 | 38.30 1.61 -12.11 | 35.57 1.73 -7.83 | 46.16 2.43 0.00 |
| SHOREHAM_IC_1 23715 | 54.76 3.18 -16.67 | 29.72 2.49 0.00 | 28.09 2.23 0.00 | 25.24 1.85 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.67 1.80 0.00 | 33.00 2.41 0.00 | 32.35 2.81 0.00 | 36.37 3.15 -4.64 | 70.19 3.47 -37.87 | 112.77 3.16 -85.16 | 142.50 4.37 -104.47 | 199.41 5.19 -155.14 | 151.05 5.25 -105.16 | 192.34 5.11 -148.29 | 174.66 6.19 -121.36 | 201.17 7.68 -135.40 | 235.35 8.86 -154.94 | 178.54 6.87 -111.88 | 146.17 3.93 -108.18 | 121.65 2.75 -94.33 | 74.15 3.11 -45.04 | 80.47 4.45 -32.29 |
| SHOREHAM_IC_2 23716 | 54.76 3.18 -16.67 | 29.72 2.49 0.00 | 28.09 2.23 0.00 | 25.24 1.85 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.67 1.80 0.00 | 33.00 2.41 0.00 | 32.35 2.81 0.00 | 36.37 3.15 -4.64 | 70.19 3.47 -37.87 | 112.77 3.16 -85.16 | 142.50 4.37 -104.47 | 199.41 5.19 -155.14 | 151.05 5.25 -105.16 | 192.34 5.11 -148.29 | 174.66 6.19 -121.36 | 201.17 7.68 -135.40 | 235.35 8.86 -154.94 | 178.54 6.87 -111.88 | 146.17 3.93 -108.18 | 121.65 2.75 -94.33 | 74.15 3.11 -45.04 | 80.47 4.45 -32.29 |

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|------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| SISSONVILLE____ 23735 | 33.59 -1.58 -0.25 | 25.98 -1.27 -0.02 | 24.72 -1.14 0.00 | 21.93 -1.09 0.00 | 20.32 -0.97 0.00 | 21.77 -0.98 0.00 | 23.86 -1.02 -0.02 | 29.42 -1.18 0.00 | 28.22 -1.38 -0.07 | 27.14 -1.52 -0.08 | 27.08 -1.85 -0.08 | 19.41 -1.79 3.24 | 31.10 -2.57 0.00 | 36.18 -2.91 0.00 | 37.45 -3.19 0.00 | 35.66 -3.27 0.00 | 37.03 -3.95 6.13 | 2.03 -4.75 51.31 | 49.12 -5.21 17.22 | 55.58 -4.22 0.00 | 31.67 -2.38 0.00 | 23.30 -1.27 0.00 | 24.81 -1.19 0.00 | 42.16 -1.57 0.00 |
| SITHE_IND_GS1 24169 | 26.15 -0.92 7.84 | 25.88 -0.75 0.60 | 25.11 -0.74 0.00 | 22.37 -0.67 -0.02 | 20.69 -0.60 0.00 | 22.12 -0.64 0.00 | 23.67 -0.66 0.53 | 29.79 -0.81 0.00 | 26.75 -0.73 2.06 | 25.51 -0.64 2.43 | 25.92 -0.66 2.26 | 23.92 -0.53 0.00 | 32.97 -0.70 0.00 | 38.30 -0.79 0.00 | 39.81 -0.83 0.00 | 38.15 -0.79 0.00 | 46.23 -0.88 0.00 | 56.94 -1.14 0.00 | 70.15 -1.40 0.00 | 58.65 -1.15 0.00 | 33.31 -0.74 0.00 | 24.01 -0.56 0.00 | 25.38 -0.63 0.00 | 42.67 -1.06 0.00 |
| SITHE_IND_GS2 24170 | 26.15 -0.92 7.84 | 25.88 -0.75 0.60 | 25.11 -0.74 0.00 | 22.37 -0.67 -0.02 | 20.69 -0.60 0.00 | 22.12 -0.64 0.00 | 23.67 -0.66 0.53 | 29.79 -0.81 0.00 | 26.75 -0.73 2.06 | 25.51 -0.64 2.43 | 25.92 -0.66 2.26 | 23.92 -0.53 0.00 | 32.97 -0.70 0.00 | 38.30 -0.79 0.00 | 39.81 -0.83 0.00 | 38.15 -0.79 0.00 | 46.23 -0.88 0.00 | 56.94 -1.14 0.00 | 70.15 -1.40 0.00 | 58.65 -1.15 0.00 | 33.31 -0.74 0.00 | 24.01 -0.56 0.00 | 25.38 -0.63 0.00 | 42.67 -1.06 0.00 |
| SITHE_IND_GS3 24171 | 26.15 -0.92 7.84 | 25.88 -0.75 0.60 | 25.11 -0.74 0.00 | 22.37 -0.67 -0.02 | 20.69 -0.60 0.00 | 22.12 -0.64 0.00 | 23.67 -0.66 0.53 | 29.79 -0.81 0.00 | 26.75 -0.73 2.06 | 25.51 -0.64 2.43 | 25.92 -0.66 2.26 | 23.92 -0.53 0.00 | 32.97 -0.70 0.00 | 38.30 -0.79 0.00 | 39.81 -0.83 0.00 | 38.15 -0.79 0.00 | 46.23 -0.88 0.00 | 56.94 -1.14 0.00 | 70.15 -1.40 0.00 | 58.65 -1.15 0.00 | 33.31 -0.74 0.00 | 24.01 -0.56 0.00 | 25.38 -0.63 0.00 | 42.67 -1.06 0.00 |
| SITHE_IND_GS4 24172 | 26.15 -0.92 7.84 | 25.88 -0.75 0.60 | 25.11 -0.74 0.00 | 22.37 -0.67 -0.02 | 20.69 -0.60 0.00 | 22.12 -0.64 0.00 | 23.67 -0.66 0.53 | 29.79 -0.81 0.00 | 26.75 -0.73 2.06 | 25.51 -0.64 2.43 | 25.92 -0.66 2.26 | 23.92 -0.53 0.00 | 32.97 -0.70 0.00 | 38.30 -0.79 0.00 | 39.81 -0.83 0.00 | 38.15 -0.79 0.00 | 46.23 -0.88 0.00 | 56.94 -1.14 0.00 | 70.15 -1.40 0.00 | 58.65 -1.15 0.00 | 33.31 -0.74 0.00 | 24.01 -0.56 0.00 | 25.38 -0.63 0.00 | 42.67 -1.06 0.00 |
| SITHE____BATAVIA 24024 | 36.70 1.79 0.00 | 28.47 1.24 0.00 | 26.92 1.06 0.00 | 23.87 0.80 -0.05 | 22.07 0.78 0.00 | 23.59 0.84 0.00 | 26.03 1.16 0.00 | 32.03 1.43 0.00 | 31.02 1.48 0.00 | 30.03 1.45 0.00 | 30.10 0.93 -0.32 | 25.32 0.88 0.00 | 34.97 1.30 0.00 | 40.48 1.40 0.00 | 42.21 1.57 0.00 | 40.25 1.32 0.00 | 48.85 1.73 0.00 | 59.92 1.83 0.00 | 73.60 2.04 0.00 | 62.23 2.44 0.00 | 36.83 1.36 -1.41 | 27.32 0.94 -1.81 | 28.37 1.20 -1.17 | 46.19 2.46 0.00 |
| SITHE____INDEPEND 23800 | 26.15 -0.92 7.84 | 25.88 -0.75 0.60 | 25.11 -0.74 0.00 | 22.37 -0.67 -0.02 | 20.69 -0.60 0.00 | 22.12 -0.64 0.00 | 23.67 -0.66 0.53 | 29.79 -0.81 0.00 | 26.75 -0.73 2.06 | 25.51 -0.64 2.43 | 25.93 -0.66 2.26 | 23.92 -0.53 0.00 | 32.96 -0.70 0.00 | 38.30 -0.79 0.00 | 39.80 -0.84 0.00 | 38.15 -0.79 0.00 | 46.23 -0.88 0.00 | 56.95 -1.14 0.00 | 70.15 -1.40 0.00 | 58.65 -1.14 0.00 | 33.31 -0.74 0.00 | 24.01 -0.56 0.00 | 25.37 -0.63 0.00 | 42.68 -1.05 0.00 |
| SITHE____MASSENA 23902 | 34.05 -0.86 0.00 | 26.59 -0.64 0.00 | 25.30 -0.56 0.00 | 22.47 -0.54 0.00 | 20.80 -0.49 0.00 | 22.24 -0.51 0.00 | 24.33 -0.54 0.00 | 29.98 -0.62 0.00 | 28.71 -0.82 0.00 | 27.65 -0.93 0.00 | 27.64 -1.21 0.00 | 19.32 -1.22 3.91 | 31.86 -1.81 0.00 | 36.94 -2.14 0.00 | 38.33 -2.31 0.00 | 36.68 -2.25 0.00 | 41.77 -2.75 2.59 | 19.84 -3.32 34.93 | 46.93 -3.80 20.82 | 56.81 -2.99 0.00 | 32.38 -1.67 0.00 | 23.71 -0.87 0.00 | 25.14 -0.86 0.00 | 42.74 -0.99 0.00 |
| SITHE____OGDNSBRG 24021 | 34.29 -0.62 0.00 | 26.73 -0.50 0.00 | 25.42 -0.44 0.00 | 22.57 -0.45 0.00 | 20.91 -0.37 0.00 | 22.39 -0.37 0.00 | 24.53 -0.33 0.00 | 30.23 -0.37 0.00 | 28.87 -0.67 0.00 | 27.74 -0.84 0.00 | 27.70 -1.15 0.00 | 19.80 -1.15 3.50 | 31.97 -1.69 0.00 | 37.21 -1.88 0.00 | 38.42 -2.22 0.00 | 36.68 -2.25 0.00 | 39.59 -2.76 4.76 | 9.83 -3.30 44.95 | 49.53 -3.40 18.62 | 57.22 -2.58 0.00 | 32.64 -1.42 0.00 | 23.96 -0.61 0.00 | 25.40 -0.60 0.00 | 43.22 -0.51 0.00 |
| SITHE____STERLING 23777 | 36.54 1.18 -0.45 | 28.07 0.80 -0.03 | 26.54 0.68 0.00 | 23.62 0.59 -0.02 | 21.89 0.59 0.00 | 23.47 0.71 0.00 | 25.76 0.86 -0.03 | 31.66 1.07 0.00 | 30.62 0.96 -0.12 | 29.57 0.85 -0.14 | 29.96 0.84 -0.27 | 25.21 0.77 0.00 | 34.79 1.12 0.00 | 40.57 1.48 0.00 | 42.12 1.48 0.00 | 40.30 1.37 0.00 | 49.97 1.86 -1.00 | 66.01 2.31 -5.62 | 74.55 2.99 0.00 | 62.33 2.54 0.00 | 35.47 1.41 0.00 | 25.55 0.98 0.00 | 27.14 1.14 0.00 | 45.45 1.72 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 36.99 1.17 -0.91 | 28.10 0.79 -0.07 | 26.51 0.65 0.00 | 23.61 0.55 -0.04 | 21.82 0.54 0.00 | 23.36 0.61 0.00 | 25.75 0.82 -0.06 | 31.70 1.10 0.00 | 30.94 1.16 -0.24 | 30.13 1.27 -0.28 | 30.71 1.31 -0.55 | 25.76 1.32 0.00 | 35.67 2.01 0.00 | 41.41 2.32 0.00 | 42.95 2.31 0.00 | 41.11 2.18 0.00 | 50.21 2.77 -0.32 | 63.28 3.39 -1.81 | 75.76 4.20 0.00 | 63.33 3.53 0.00 | 37.08 1.84 -1.19 | 27.32 1.22 -1.52 | 28.08 1.09 -0.99 | 45.54 1.80 0.00 |
| SOUTH CAIRO____GT 23612 | 37.41 2.51 0.00 | 29.27 2.03 0.00 | 27.79 1.93 0.00 | 25.20 1.73 -0.46 | 22.83 1.54 0.00 | 24.49 1.74 0.00 | 26.73 1.86 0.00 | 32.62 2.02 0.00 | 31.43 1.89 0.00 | 30.18 1.60 0.00 | 33.32 1.56 -2.91 | 27.29 1.29 -1.56 | -72.11 1.92 107.70 | 12.96 2.43 28.56 | 43.07 2.43 0.00 | 41.38 2.45 0.00 | 49.99 2.88 0.00 | 61.95 3.87 0.00 | 76.77 5.22 0.00 | 64.53 4.73 0.00 | 55.71 2.93 -18.72 | 50.61 2.00 -24.04 | 43.54 2.00 -15.54 | 46.53 2.80 0.00 |
| SOUTH HAMPTN____IC 23720 | 55.75 4.18 -16.66 | 30.49 3.25 0.00 | 28.80 2.95 0.00 | 25.86 2.47 -0.38 | 23.53 2.24 0.00 | 25.06 2.31 0.00 | 27.33 2.47 0.00 | 33.87 3.27 0.00 | 33.23 3.70 0.00 | 37.30 4.08 -4.64 | 71.11 4.39 -37.87 | 113.59 3.98 -85.17 | 143.68 5.54 -104.48 | 200.80 6.58 -155.13 | 151.71 6.75 -104.32 | 192.40 6.58 -146.89 | 174.39 7.97 -119.31 | 199.22 9.84 -131.29 | 232.45 11.48 -149.41 | 179.95 8.99 -111.17 | 146.46 5.06 -107.34 | 122.47 3.52 -94.38 | 74.95 3.89 -45.06 | 83.08 5.74 -33.62 |
| SOUTHDOW_115KV_TB1 355954 | 36.47 1.56 0.00 | 28.29 1.06 0.00 | 26.75 0.90 0.00 | 23.78 0.70 -0.06 | 22.03 0.75 0.00 | 23.58 0.82 0.00 | 26.05 1.18 0.00 | 31.98 1.38 0.00 | 31.07 1.53 0.00 | 30.46 1.87 0.00 | 30.94 1.68 -0.41 | 26.11 1.66 0.00 | 36.25 2.58 0.00 | 42.17 3.08 0.00 | 43.99 3.36 0.00 | 41.22 2.29 0.00 | 50.74 3.63 0.00 | 62.11 4.02 0.00 | 76.14 4.59 0.00 | 63.60 3.80 0.00 | 37.87 1.94 -1.88 | 28.18 1.19 -2.42 | 28.73 1.17 -1.56 | 46.03 2.30 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 56.84 5.27 -16.66 | 31.34 4.11 0.00 | 29.62 3.76 0.00 | 26.57 3.17 -0.38 | 24.17 2.89 0.00 | 25.76 3.00 0.00 | 28.07 3.21 0.00 | 34.84 4.24 0.00 | 34.22 4.68 0.00 | 38.32 5.10 -4.64 | 71.69 4.98 -37.87 | 114.00 4.39 -85.17 | 144.28 6.14 -104.47 | 201.51 7.33 -155.09 | 152.56 7.59 -104.33 | 193.16 7.34 -146.89 | 175.43 8.92 -119.40 | 200.59 11.08 -131.42 | 234.00 12.88 -149.56 | 181.07 10.09 -111.18 | 147.10 5.70 -107.35 | 122.86 3.95 -94.34 | 75.32 4.27 -45.04 | 83.69 6.39 -33.57 |

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|------------------------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| SOUTHOLD___IC 23719 | 56.83 5.27 -16.66 | 31.34 4.11 0.00 | 29.62 3.76 0.00 | 26.56 3.17 -0.38 | 24.17 2.89 0.00 | 25.76 3.00 0.00 | 28.07 3.21 0.00 | 34.84 4.24 0.00 | 34.21 4.68 0.00 | 38.32 5.10 -4.64 | 71.70 4.98 -37.87 | 114.00 4.39 -85.17 | 144.28 6.14 -104.47 | 201.51 7.33 -155.09 | 152.56 7.59 -104.33 | 193.16 7.34 -146.89 | 175.45 8.93 -119.40 | 200.58 11.07 -131.42 | 234.02 12.90 -149.56 | 181.07 10.09 -111.18 | 147.10 5.69 -107.35 | 122.86 3.95 -94.34 | 75.32 4.27 -45.05 | 83.69 6.39 -33.57 |
| SPIERFLS_115KV_TB 1 80737 | 37.26 2.35 0.00 | 28.97 1.74 0.00 | 27.56 1.71 0.00 | 25.05 1.52 -0.51 | 22.62 1.34 0.00 | 24.28 1.52 0.00 | 26.56 1.69 0.00 | 32.62 2.02 0.00 | 31.64 2.11 0.00 | 30.61 2.03 0.00 | 34.23 2.15 -3.23 | 28.33 1.91 -1.98 | 36.25 2.59 0.00 | 42.04 2.95 0.00 | 43.59 2.95 0.00 | 41.91 2.98 0.00 | 50.57 3.45 0.00 | 62.55 4.47 0.00 | 77.85 6.30 0.00 | 64.86 5.07 0.00 | 71.94 3.15 -34.73 | 71.50 2.34 -44.59 | 57.18 2.35 -28.83 | 47.10 3.37 0.00 |
| ST LAWRENCE___ 23600 | 33.77 -1.14 0.00 | 26.39 -0.85 0.00 | 25.11 -0.75 0.00 | 22.31 -0.71 0.00 | 20.64 -0.65 0.00 | 22.07 -0.69 0.00 | 24.12 -0.74 0.00 | 29.72 -0.88 0.00 | 28.48 -1.06 0.00 | 27.42 -1.16 0.00 | 27.45 -1.40 0.00 | 19.11 -1.28 4.05 | 31.87 -1.79 0.00 | 36.91 -2.18 0.00 | 38.35 -2.29 0.00 | 36.73 -2.20 0.00 | 42.58 -2.68 1.86 | 23.30 -3.24 31.54 | 46.21 -3.78 21.57 | 56.81 -2.98 0.00 | 32.37 -1.69 0.00 | 23.52 -1.05 0.00 | 24.91 -1.10 0.00 | 42.33 -1.40 0.00 |
| STATE_CA_115KV_115_LB 55624 | 36.19 1.28 0.00 | 28.35 1.11 0.00 | 26.94 1.08 0.00 | 24.51 1.00 -0.49 | 22.16 0.87 0.00 | 23.71 0.96 0.00 | 25.84 0.97 0.00 | 31.61 1.01 0.00 | 30.66 1.13 0.00 | 29.71 1.13 0.00 | 33.28 1.28 -3.15 | 27.60 1.11 -2.05 | 35.23 1.56 0.00 | 40.95 1.86 0.00 | 42.49 1.85 0.00 | 40.77 1.84 0.00 | 49.16 2.04 0.00 | 60.61 2.53 0.00 | 74.57 3.02 0.00 | 62.20 2.40 0.00 | 62.27 1.48 -26.73 | 59.96 1.06 -34.33 | 49.32 1.13 -22.19 | 45.10 1.37 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 37.14 0.88 -1.35 | 27.91 0.57 -0.10 | 26.34 0.48 0.00 | 23.48 0.42 -0.05 | 21.72 0.43 0.00 | 23.24 0.49 0.00 | 25.57 0.61 -0.09 | 31.38 0.78 0.00 | 30.73 0.84 -0.36 | 29.92 0.92 -0.42 | 30.48 0.93 -0.70 | 25.23 0.78 0.00 | 34.80 1.13 0.00 | 40.51 1.42 0.00 | 42.28 1.65 0.00 | 40.47 1.53 0.00 | 49.46 1.99 -0.35 | 62.55 2.50 -1.97 | 74.77 3.22 0.00 | 62.46 2.66 0.00 | 36.73 1.40 -1.27 | 27.16 0.95 -1.64 | 27.89 0.83 -1.06 | 45.08 1.35 0.00 |
| STATION 5_MISC_HYD 23604 | 36.00 1.09 0.00 | 27.96 0.73 0.00 | 26.43 0.57 0.00 | 23.47 0.41 -0.04 | 21.69 0.40 0.00 | 23.18 0.43 0.00 | 25.50 0.63 0.00 | 31.41 0.82 0.00 | 30.45 0.91 0.00 | 29.63 1.05 0.00 | 30.06 0.93 -0.28 | 25.38 0.94 0.00 | 35.04 1.38 0.00 | 40.65 1.56 0.00 | 42.37 1.73 0.00 | 40.47 1.53 0.00 | 49.08 1.97 0.00 | 60.21 2.13 0.00 | 73.93 2.37 0.00 | 62.13 2.33 0.00 | 36.50 1.25 -1.19 | 26.92 0.82 -1.53 | 27.74 0.75 -0.99 | 45.23 1.50 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 36.19 0.99 -0.28 | 27.91 0.65 -0.02 | 26.36 0.50 0.00 | 23.45 0.39 -0.04 | 21.68 0.39 0.00 | 23.20 0.44 0.00 | 25.51 0.63 -0.02 | 31.45 0.85 0.00 | 30.58 0.96 -0.07 | 29.76 1.09 -0.09 | 30.24 1.03 -0.37 | 25.49 1.05 0.00 | 35.23 1.56 0.00 | 40.90 1.81 0.00 | 42.53 1.89 0.00 | 40.65 1.71 0.00 | 49.34 2.23 0.00 | 60.70 2.62 0.00 | 74.70 3.15 0.00 | 62.57 2.78 0.00 | 36.69 1.44 -1.19 | 27.03 0.93 -1.53 | 27.85 0.85 -0.99 | 45.23 1.50 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 35.72 0.82 0.00 | 27.76 0.52 0.00 | 26.24 0.38 0.00 | 23.30 0.24 -0.04 | 21.54 0.25 0.00 | 23.02 0.27 0.00 | 25.31 0.45 0.00 | 31.20 0.60 0.00 | 30.25 0.71 0.00 | 29.45 0.87 0.00 | 29.89 0.77 -0.28 | 25.24 0.80 0.00 | 34.88 1.21 0.00 | 40.47 1.39 0.00 | 42.15 1.51 0.00 | 40.30 1.37 0.00 | 48.88 1.76 0.00 | 60.01 1.92 0.00 | 73.68 2.13 0.00 | 61.84 2.04 0.00 | 36.29 1.05 -1.18 | 26.76 0.67 -1.52 | 27.58 0.60 -0.98 | 44.93 1.20 0.00 |
| STA_56___34_KV_BUS2 355983 | 35.72 0.82 0.00 | 27.76 0.52 0.00 | 26.24 0.38 0.00 | 23.30 0.24 -0.04 | 21.54 0.25 0.00 | 23.02 0.27 0.00 | 25.31 0.45 0.00 | 31.20 0.60 0.00 | 30.25 0.71 0.00 | 29.45 0.87 0.00 | 29.89 0.77 -0.28 | 25.24 0.80 0.00 | 34.88 1.21 0.00 | 40.47 1.39 0.00 | 42.15 1.51 0.00 | 40.30 1.37 0.00 | 48.88 1.76 0.00 | 60.01 1.92 0.00 | 73.68 2.13 0.00 | 61.84 2.04 0.00 | 36.29 1.05 -1.18 | 26.76 0.67 -1.52 | 27.58 0.60 -0.98 | 44.93 1.20 0.00 |
| STA_67___115KV_BK2 355882 | 35.89 0.98 0.00 | 27.88 0.64 0.00 | 26.36 0.50 0.00 | 23.40 0.35 -0.04 | 21.64 0.35 0.00 | 23.13 0.37 0.00 | 25.43 0.57 0.00 | 31.33 0.73 0.00 | 30.35 0.81 0.00 | 29.53 0.95 0.00 | 29.96 0.83 -0.28 | 25.27 0.83 0.00 | 34.89 1.23 0.00 | 40.48 1.39 0.00 | 42.17 1.53 0.00 | 40.29 1.36 0.00 | 48.87 1.75 0.00 | 59.96 1.87 0.00 | 73.63 2.07 0.00 | 61.88 2.09 0.00 | 36.36 1.11 -1.19 | 26.82 0.72 -1.53 | 27.65 0.65 -0.99 | 45.08 1.35 0.00 |
| STA_7___115KV_9TRANS 80674 | 36.24 1.33 0.00 | 28.14 0.91 0.00 | 26.59 0.73 0.00 | 23.60 0.54 -0.04 | 21.82 0.53 0.00 | 23.32 0.56 0.00 | 25.65 0.78 0.00 | 31.61 1.01 0.00 | 30.65 1.11 0.00 | 29.85 1.26 0.00 | 30.29 1.16 -0.28 | 25.57 1.13 0.00 | 35.34 1.67 0.00 | 41.02 1.93 0.00 | 42.74 2.11 0.00 | 40.84 1.91 0.00 | 49.54 2.42 0.00 | 60.78 2.70 0.00 | 74.62 3.07 0.00 | 62.71 2.92 0.00 | 36.81 1.56 -1.19 | 27.14 1.04 -1.53 | 27.96 0.97 -0.99 | 45.58 1.86 0.00 |
| STA_82___115KV_TB1 80780 | 35.90 0.99 0.00 | 27.91 0.67 0.00 | 26.38 0.52 0.00 | 23.42 0.36 -0.04 | 21.65 0.36 0.00 | 23.14 0.38 0.00 | 25.45 0.59 0.00 | 31.35 0.75 0.00 | 30.37 0.83 0.00 | 29.55 0.97 0.00 | 29.98 0.85 -0.28 | 25.28 0.84 0.00 | 34.91 1.24 0.00 | 40.49 1.40 0.00 | 42.19 1.56 0.00 | 40.31 1.38 0.00 | 48.90 1.79 0.00 | 59.99 1.90 0.00 | 73.68 2.13 0.00 | 61.93 2.14 0.00 | 36.38 1.13 -1.20 | 26.85 0.74 -1.54 | 27.68 0.68 -1.00 | 45.11 1.39 0.00 |
| STEEL___WIND 323596 | 36.16 1.25 0.00 | 28.03 0.80 0.00 | 26.51 0.65 0.00 | 23.54 0.46 -0.06 | 21.78 0.49 0.00 | 23.26 0.51 0.00 | 25.64 0.77 0.00 | 31.57 0.97 0.00 | 30.62 1.08 0.00 | 29.83 1.25 0.00 | 30.22 0.99 -0.38 | 25.53 1.09 0.00 | 35.27 1.61 0.00 | 40.78 1.69 0.00 | 42.52 1.89 0.00 | 40.40 1.47 0.00 | 49.10 1.99 0.00 | 60.04 1.96 0.00 | 73.63 2.07 0.00 | 62.06 2.27 0.00 | 36.98 1.20 -1.72 | 27.54 0.76 -2.21 | 28.09 0.66 -1.43 | 45.35 1.62 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 36.22 1.31 0.00 | 28.37 1.14 0.00 | 26.94 1.08 0.00 | 24.51 1.01 -0.49 | 22.15 0.86 0.00 | 23.77 1.01 0.00 | 25.91 1.04 0.00 | 31.72 1.12 0.00 | 30.71 1.17 0.00 | 29.73 1.15 0.00 | 33.26 1.31 -3.11 | 27.63 1.12 -2.06 | 35.26 1.59 0.00 | 41.04 1.95 0.00 | 42.61 1.97 0.00 | 40.89 1.95 0.00 | 49.34 2.22 0.00 | 60.97 2.88 0.00 | 75.03 3.48 0.00 | 62.49 2.70 0.00 | 59.03 1.61 -23.36 | 55.64 1.07 -30.00 | 46.59 1.19 -19.39 | 45.27 1.54 0.00 |
| STEUBEN_REC_LFGE 323667 | 36.59 1.29 -0.40 | 28.07 0.81 -0.03 | 26.43 0.57 0.00 | 23.76 0.67 -0.08 | 22.01 0.72 0.00 | 23.55 0.80 0.00 | 25.97 1.08 -0.03 | 32.06 1.47 0.00 | 31.26 1.62 -0.10 | 30.35 1.65 -0.12 | 30.86 1.40 -0.61 | 25.91 1.47 0.00 | 35.83 2.17 0.00 | 41.50 2.41 0.00 | 43.06 2.42 0.00 | 40.76 1.83 0.00 | 49.70 2.58 0.00 | 61.08 3.00 0.00 | 75.92 4.37 0.00 | 63.75 3.96 0.00 | 38.47 2.08 -2.33 | 28.87 1.31 -2.99 | 29.30 1.37 -1.93 | 46.09 2.36 0.00 |

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|------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| STONY___BROOK 24151 | 55.13 3.52 -16.70 | 29.97 2.73 0.00 | 28.30 2.45 0.00 | 25.47 2.07 -0.38 | 23.18 1.89 0.00 | 24.69 1.94 0.00 | 26.93 2.06 0.00 | 33.31 2.71 0.00 | 32.64 3.11 0.00 | 36.64 3.42 -4.64 | 70.50 3.78 -37.87 | 112.98 3.40 -85.14 | 143.37 4.61 -105.09 | 202.96 5.43 -158.44 | 155.81 5.44 -109.73 | 201.12 5.14 -157.05 | 179.53 6.21 -126.20 | 215.11 7.58 -149.44 | 256.82 8.66 -176.61 | 181.91 6.77 -115.34 | 151.00 4.00 -112.94 | 125.34 2.92 -97.85 | 75.84 3.34 -46.50 | 76.43 4.83 -27.88 |
| STURGEON_POOL_HYD 23609 | 37.08 2.17 0.00 | 28.94 1.70 0.00 | 27.41 1.55 0.00 | 24.83 1.42 -0.39 | 22.54 1.26 0.00 | 24.00 1.25 0.00 | 26.23 1.37 0.00 | 32.38 1.79 0.00 | 31.66 2.12 0.00 | 30.85 2.27 0.00 | 34.04 2.70 -2.50 | 26.88 2.43 0.00 | 9.67 3.35 27.34 | 35.84 4.00 7.25 | 44.78 4.15 0.00 | 42.96 4.03 0.00 | 52.11 5.00 0.00 | 64.22 6.14 0.00 | 78.63 7.08 0.00 | 65.20 5.40 0.00 | 49.38 2.93 -12.39 | 42.46 1.98 -15.90 | 38.45 2.16 -10.28 | 46.78 3.05 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 36.86 1.95 0.00 | 28.80 1.57 0.00 | 27.26 1.41 0.00 | 24.63 1.27 -0.35 | 22.41 1.12 0.00 | 23.87 1.11 0.00 | 26.09 1.23 0.00 | 32.18 1.58 0.00 | 31.39 1.85 0.00 | 30.55 1.97 0.00 | 33.37 2.31 -2.21 | 18.27 2.06 8.23 | 36.49 2.82 0.00 | 42.58 3.49 0.00 | 44.25 3.61 0.00 | 42.43 3.49 0.00 | 51.41 4.30 0.00 | 63.38 5.29 0.00 | 77.71 6.16 0.00 | 64.50 4.70 0.00 | 46.48 2.61 -9.81 | 38.94 1.76 -12.60 | 36.04 1.89 -8.15 | 46.34 2.61 0.00 |
| SWANROAD_115KV_TB1 355699 | 35.23 0.32 0.00 | 27.38 0.15 0.00 | 25.97 0.11 0.00 | 23.03 -0.04 -0.05 | 21.28 -0.01 0.00 | 22.72 -0.04 0.00 | 25.04 0.17 0.00 | 30.72 0.13 0.00 | 29.67 0.13 0.00 | 28.84 0.26 0.00 | 29.09 -0.10 -0.35 | 24.52 0.07 0.00 | 33.78 0.12 0.00 | 38.98 -0.11 0.00 | 40.62 -0.02 0.00 | 38.70 -0.23 0.00 | 46.96 -0.16 0.00 | 57.26 -0.82 0.00 | 70.11 -1.45 0.00 | 59.39 -0.41 0.00 | 35.40 -0.21 -1.56 | 26.35 -0.22 -2.00 | 26.99 -0.31 -1.29 | 43.97 0.25 0.00 |
| SYNERGY___BIOGAS 323694 | 36.70 1.79 0.00 | 28.47 1.24 0.00 | 26.92 1.06 0.00 | 23.87 0.80 -0.05 | 22.07 0.78 0.00 | 23.59 0.84 0.00 | 26.03 1.16 0.00 | 32.03 1.43 0.00 | 31.02 1.48 0.00 | 30.03 1.45 0.00 | 30.10 0.93 -0.32 | 25.32 0.88 0.00 | 34.97 1.30 0.00 | 40.48 1.40 0.00 | 42.21 1.57 0.00 | 40.25 1.32 0.00 | 48.85 1.73 0.00 | 59.92 1.83 0.00 | 73.60 2.04 0.00 | 62.23 2.44 0.00 | 36.83 1.36 -1.41 | 27.32 0.94 -1.81 | 28.37 1.20 -1.17 | 46.19 2.46 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 36.54 0.11 -1.51 | 27.37 0.02 -0.12 | 25.82 -0.04 0.00 | 23.02 -0.04 -0.04 | 21.27 -0.01 0.00 | 22.75 0.00 0.00 | 24.97 0.00 -0.10 | 30.58 -0.01 0.00 | 29.96 0.03 0.00 | 29.17 0.12 -0.40 | 29.68 0.14 -0.47 | 24.62 0.18 0.00 | 33.99 0.32 0.00 | 39.50 0.41 0.00 | 41.05 0.41 0.00 | 39.31 0.37 0.00 | 48.09 0.55 -0.42 | 61.12 0.68 -2.36 | 72.41 0.86 0.00 | 60.49 0.70 0.00 | 35.30 0.29 -0.96 | 25.94 0.14 -1.23 | 26.86 0.07 -0.79 | 43.82 0.09 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 36.54 0.11 -1.51 | 27.37 0.02 -0.12 | 25.82 -0.04 0.00 | 23.02 -0.04 -0.04 | 21.27 -0.01 0.00 | 22.75 0.00 0.00 | 24.97 0.00 -0.10 | 30.58 -0.01 0.00 | 29.96 0.03 0.00 | 29.17 0.12 -0.40 | 29.68 0.14 -0.47 | 24.62 0.18 0.00 | 33.99 0.32 0.00 | 39.50 0.41 0.00 | 41.05 0.41 0.00 | 39.31 0.37 0.00 | 48.09 0.55 -0.42 | 61.12 0.68 -2.36 | 72.41 0.86 0.00 | 60.49 0.70 0.00 | 35.30 0.29 -0.96 | 25.94 0.14 -1.23 | 26.86 0.07 -0.79 | 43.82 0.09 0.00 |
| SYRACUSE___POWER 24017 | 36.05 0.15 -0.99 | 27.36 0.05 -0.08 | 25.85 -0.01 0.00 | 23.03 -0.02 -0.04 | 21.29 0.00 0.00 | 22.78 0.02 0.00 | 25.00 0.07 -0.07 | 30.71 0.12 0.00 | 29.98 0.18 -0.26 | 29.17 0.28 -0.31 | 29.68 0.28 -0.55 | 24.76 0.32 0.00 | 34.18 0.52 0.00 | 39.73 0.64 0.00 | 41.30 0.66 0.00 | 39.55 0.62 0.00 | 48.42 0.86 -0.44 | 61.60 1.05 -2.47 | 72.85 1.29 0.00 | 60.87 1.07 0.00 | 35.56 0.50 -1.00 | 26.14 0.28 -1.29 | 27.06 0.23 -0.83 | 44.03 0.30 0.00 |
| TALLMAN___138KV_BK151 55660 | 37.08 2.17 0.00 | 28.99 1.76 0.00 | 27.42 1.57 0.00 | 24.78 1.41 -0.36 | 22.53 1.24 0.00 | 23.98 1.23 0.00 | 26.23 1.36 0.00 | 32.37 1.78 0.00 | 31.63 2.09 0.00 | 30.80 2.22 0.00 | 33.73 2.59 -2.29 | 15.40 2.28 11.32 | 36.77 3.11 0.00 | 42.97 3.88 0.00 | 44.69 4.05 0.00 | 42.85 3.91 0.00 | 51.93 4.81 0.00 | 64.00 5.92 0.00 | 78.42 6.86 0.00 | 65.00 5.21 0.00 | 47.08 2.86 -10.17 | 39.56 1.94 -13.05 | 36.53 2.09 -8.44 | 46.64 2.91 0.00 |
| TEALLAVE_115KV_TB7 355573 | 35.66 -0.06 -0.81 | 27.18 -0.12 -0.06 | 25.69 -0.16 0.00 | 22.89 -0.16 -0.03 | 21.17 -0.12 0.00 | 22.64 -0.11 0.00 | 24.85 -0.07 -0.06 | 30.55 -0.04 0.00 | 29.78 0.03 -0.21 | 28.96 0.12 -0.25 | 29.45 0.15 -0.45 | 24.64 0.20 0.00 | 34.01 0.34 0.00 | 39.52 0.43 0.00 | 41.09 0.45 0.00 | 39.35 0.42 0.00 | 48.23 0.61 -0.50 | 61.60 0.71 -2.81 | 72.40 0.85 0.00 | 60.49 0.70 0.00 | 34.35 0.29 0.00 | 24.70 0.13 0.00 | 26.08 0.08 0.00 | 43.80 0.07 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 35.95 1.04 0.00 | 27.91 0.68 0.00 | 26.41 0.56 0.00 | 23.43 0.36 -0.05 | 21.66 0.37 0.00 | 23.13 0.37 0.00 | 25.50 0.63 0.00 | 31.35 0.76 0.00 | 30.34 0.80 0.00 | 29.49 0.91 0.00 | 29.75 0.57 -0.33 | 25.10 0.66 0.00 | 34.65 0.99 0.00 | 40.02 0.93 0.00 | 41.66 1.02 0.00 | 39.71 0.78 0.00 | 48.19 1.08 0.00 | 58.88 0.80 0.00 | 72.20 0.65 0.00 | 61.05 1.26 0.00 | 36.24 0.70 -1.47 | 26.89 0.43 -1.89 | 27.62 0.40 -1.22 | 45.04 1.31 0.00 |
| TEMPLE___115KV_TB 2 55572 | 35.69 -0.03 -0.81 | 27.21 -0.09 -0.06 | 25.72 -0.14 0.00 | 22.91 -0.14 -0.03 | 21.19 -0.10 0.00 | 22.67 -0.09 0.00 | 24.88 -0.04 -0.06 | 30.58 -0.02 0.00 | 29.82 0.06 -0.21 | 28.99 0.16 -0.25 | 29.49 0.18 -0.45 | 24.67 0.23 0.00 | 34.06 0.39 0.00 | 39.58 0.49 0.00 | 41.14 0.50 0.00 | 39.41 0.48 0.00 | 48.28 0.67 -0.49 | 61.62 0.79 -2.74 | 72.50 0.94 0.00 | 60.56 0.76 0.00 | 34.38 0.32 0.00 | 24.73 0.15 0.00 | 26.10 0.10 0.00 | 43.82 0.09 0.00 |
| TIANA___69_KV_BK 1 55817 | 55.51 3.94 -16.66 | 30.29 3.06 0.00 | 28.62 2.76 0.00 | 25.70 2.30 -0.38 | 23.38 2.09 0.00 | 24.91 2.15 0.00 | 27.17 2.30 0.00 | 33.64 3.05 0.00 | 33.02 3.48 0.00 | 37.06 3.84 -4.64 | 70.88 4.17 -37.87 | 113.41 3.80 -85.17 | 143.41 5.27 -104.47 | 200.45 6.26 -155.10 | 151.35 6.39 -104.33 | 192.05 6.23 -146.89 | 174.03 7.54 -119.38 | 198.81 9.32 -131.40 | 231.93 10.84 -149.54 | 179.46 8.48 -111.18 | 146.21 4.80 -107.35 | 122.26 3.35 -94.34 | 74.76 3.72 -45.05 | 82.75 5.44 -33.58 |
| TILDEN___115KV_TB1 80814 | 36.05 0.15 -0.99 | 27.36 0.05 -0.08 | 25.85 -0.01 0.00 | 23.03 -0.02 -0.04 | 21.29 0.00 0.00 | 22.78 0.02 0.00 | 25.00 0.07 -0.07 | 30.71 0.12 0.00 | 29.98 0.18 -0.26 | 29.17 0.28 -0.31 | 29.68 0.28 -0.55 | 24.76 0.32 0.00 | 34.18 0.52 0.00 | 39.73 0.64 0.00 | 41.30 0.66 0.00 | 39.55 0.62 0.00 | 48.42 0.86 -0.44 | 61.60 1.05 -2.47 | 72.85 1.29 0.00 | 60.87 1.07 0.00 | 35.56 0.50 -1.00 | 26.14 0.28 -1.29 | 27.06 0.23 -0.83 | 44.03 0.30 0.00 |
| TRIGEN___CC 323695 | 61.65 2.99 -23.75 | 29.61 2.37 0.00 | 27.99 2.13 0.00 | 25.28 1.88 -0.38 | 22.98 1.69 0.00 | 24.46 1.70 0.00 | 26.66 1.79 0.00 | 32.91 2.31 0.00 | 32.23 2.69 0.00 | 36.03 2.81 -4.64 | 69.89 3.18 -37.87 | 111.65 2.80 -84.41 | 127.72 3.75 -90.31 | 130.15 4.54 -86.53 | 134.05 4.68 -88.74 | 139.63 4.51 -96.18 | 141.28 5.51 -88.66 | 136.27 6.76 -71.42 | 181.85 7.88 -102.41 | 172.00 6.10 -106.10 | 123.82 3.42 -86.34 | 43.07 2.33 -16.17 | 40.91 2.57 -12.34 | 47.28 3.55 0.00 |

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|-----------------------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| TRINITY__115KV__4 BK 55933 | 36.01 1.10 0.00 | 28.22 0.99 0.00 | 26.83 0.97 0.00 | 24.41 0.90 -0.49 | 22.07 0.78 0.00 | 23.61 0.85 0.00 | 25.70 0.84 0.00 | 31.44 0.84 0.00 | 30.49 0.95 0.00 | 29.53 0.95 0.00 | 33.05 1.09 -3.11 | 27.43 0.92 -2.07 | 34.95 1.29 0.00 | 40.63 1.54 0.00 | 42.16 1.52 0.00 | 40.46 1.53 0.00 | 48.75 1.64 0.00 | 60.12 2.03 0.00 | 73.99 2.44 0.00 | 61.72 1.93 0.00 | 59.21 1.24 -23.91 | 56.17 0.89 -30.71 | 46.82 0.97 -19.85 | 44.83 1.10 0.00 |
| UNION__PROCESSING_DRP 323587 | 35.94 1.03 0.00 | 27.92 0.68 0.00 | 26.39 0.53 0.00 | 23.43 0.37 -0.04 | 21.66 0.37 0.00 | 23.15 0.40 0.00 | 25.46 0.60 0.00 | 31.36 0.76 0.00 | 30.38 0.85 0.00 | 29.57 0.99 0.00 | 29.99 0.86 -0.28 | 25.29 0.85 0.00 | 34.92 1.25 0.00 | 40.52 1.43 0.00 | 42.22 1.58 0.00 | 40.34 1.41 0.00 | 48.93 1.82 0.00 | 60.03 1.94 0.00 | 73.73 2.18 0.00 | 61.97 2.17 0.00 | 36.41 1.15 -1.20 | 26.87 0.76 -1.54 | 27.69 0.69 -1.00 | 45.14 1.41 0.00 |
| UPPER HUDSON__HYD 24058 | 37.26 2.35 0.00 | 28.97 1.74 0.00 | 27.56 1.70 0.00 | 25.05 1.52 -0.51 | 22.63 1.34 0.00 | 24.28 1.52 0.00 | 26.56 1.69 0.00 | 32.62 2.02 0.00 | 31.64 2.10 0.00 | 30.61 2.03 0.00 | 34.23 2.15 -3.23 | 28.33 1.91 -1.98 | 36.25 2.59 0.00 | 42.04 2.95 0.00 | 43.59 2.95 0.00 | 41.91 2.98 0.00 | 50.57 3.45 0.00 | 62.55 4.47 0.00 | 77.85 6.29 0.00 | 64.86 5.07 0.00 | 71.93 3.15 -34.73 | 71.50 2.34 -44.59 | 57.18 2.35 -28.83 | 47.10 3.37 0.00 |
| UPPER RAQUET__HYD 24056 | 33.58 -1.58 -0.25 | 25.98 -1.27 -0.02 | 24.72 -1.14 0.00 | 21.93 -1.09 0.00 | 20.32 -0.97 0.00 | 21.77 -0.98 0.00 | 23.86 -1.02 -0.02 | 29.42 -1.18 0.00 | 28.22 -1.39 -0.07 | 27.14 -1.52 -0.08 | 27.08 -1.85 -0.08 | 19.41 -1.80 3.24 | 31.10 -2.57 0.00 | 36.18 -2.91 0.00 | 37.45 -3.19 0.00 | 35.66 -3.27 0.00 | 37.03 -3.95 6.13 | 2.02 -4.76 51.31 | 49.12 -5.21 17.22 | 55.58 -4.22 0.00 | 31.67 -2.38 0.00 | 23.30 -1.27 0.00 | 24.81 -1.19 0.00 | 42.16 -1.57 0.00 |
| VALLEY44_115KV_TB2 355964 | 35.85 0.94 0.00 | 27.80 0.57 0.00 | 26.30 0.44 0.00 | 23.37 0.29 -0.07 | 21.65 0.37 0.00 | 23.15 0.39 0.00 | 25.56 0.69 0.00 | 31.54 0.95 0.00 | 30.61 1.08 0.00 | 29.81 1.23 0.00 | 30.18 0.91 -0.42 | 25.36 0.91 0.00 | 35.07 1.40 0.00 | 40.90 1.81 0.00 | 42.56 1.92 0.00 | 40.26 1.33 0.00 | 48.98 1.87 0.00 | 59.99 1.90 0.00 | 73.79 2.24 0.00 | 61.83 2.04 0.00 | 37.01 1.00 -1.95 | 27.60 0.53 -2.50 | 28.19 0.57 -1.62 | 45.14 1.41 0.00 |
| VALLEY__115KV_TB 1-4 80826 | 35.58 0.67 0.00 | 27.76 0.53 0.00 | 26.37 0.51 0.00 | 23.49 0.47 0.00 | 21.66 0.37 0.00 | 23.22 0.47 0.00 | 25.35 0.48 0.00 | 31.07 0.48 0.00 | 30.10 0.56 0.00 | 29.18 0.60 0.00 | 29.64 0.79 0.00 | 25.42 0.81 -0.16 | 34.86 1.20 0.00 | 40.50 1.41 0.00 | 41.78 1.15 0.00 | 40.07 1.14 0.00 | 48.73 1.25 -0.37 | 62.73 1.70 -2.94 | 74.78 2.35 -0.87 | 61.67 1.88 0.00 | 35.26 1.21 0.00 | 25.44 0.87 0.00 | 26.89 0.89 0.00 | 44.77 1.04 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 36.87 1.68 -0.28 | 28.51 1.25 -0.02 | 27.02 1.17 0.00 | 24.23 1.07 -0.14 | 22.28 1.00 0.00 | 23.81 1.05 0.00 | 26.04 1.15 -0.02 | 32.06 1.46 0.00 | 31.20 1.59 -0.07 | 30.31 1.64 -0.09 | 31.57 1.76 -0.96 | 25.96 1.51 0.00 | 35.74 2.07 0.00 | 41.56 2.47 0.00 | 43.26 2.62 0.00 | 41.43 2.50 0.00 | 50.27 3.16 0.00 | 61.90 3.82 0.00 | 76.20 4.65 0.00 | 63.61 3.81 0.00 | 44.04 2.15 -7.83 | 36.10 1.47 -10.05 | 34.01 1.51 -6.50 | 46.00 2.28 0.00 |
| VISCHER__FERRY HYD 24020 | 36.59 1.68 0.00 | 28.68 1.44 0.00 | 27.27 1.42 0.00 | 24.80 1.29 -0.49 | 22.42 1.14 0.00 | 24.01 1.25 0.00 | 26.14 1.27 0.00 | 31.96 1.37 0.00 | 31.01 1.47 0.00 | 30.03 1.45 0.00 | 33.68 1.67 -3.16 | 27.96 1.42 -2.10 | 35.67 2.01 0.00 | 41.44 2.35 0.00 | 42.95 2.31 0.00 | 41.21 2.28 0.00 | 49.60 2.49 0.00 | 61.24 3.15 0.00 | 75.51 3.96 0.00 | 63.04 3.25 0.00 | 66.63 2.03 -30.54 | 65.26 1.48 -39.21 | 52.93 1.58 -25.35 | 45.87 2.14 0.00 |
| V_A_10_SYNC_DSASP 323832 | 35.49 0.58 0.00 | 27.60 0.37 0.00 | 26.10 0.24 0.00 | 23.16 0.09 -0.05 | 21.41 0.12 0.00 | 22.86 0.11 0.00 | 25.18 0.31 0.00 | 30.95 0.35 0.00 | 29.97 0.43 0.00 | 29.17 0.58 0.00 | 29.49 0.33 -0.31 | 24.84 0.40 0.00 | 34.24 0.57 0.00 | 39.63 0.54 0.00 | 41.27 0.63 0.00 | 39.32 0.39 0.00 | 47.71 0.60 0.00 | 58.35 0.27 0.00 | 71.56 0.01 0.00 | 60.37 0.57 0.00 | 35.70 0.27 -1.37 | 26.46 0.13 -1.76 | 27.23 0.09 -1.14 | 44.41 0.68 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 33.93 -0.98 0.00 | 26.50 -0.73 0.00 | 25.22 -0.64 0.00 | 22.41 -0.61 0.00 | 20.73 -0.56 0.00 | 22.16 -0.59 0.00 | 24.23 -0.64 0.00 | 29.85 -0.74 0.00 | 28.61 -0.93 0.00 | 27.56 -1.02 0.00 | 27.58 -1.27 0.00 | 19.24 -1.16 4.05 | 32.05 -1.62 0.00 | 37.10 -1.99 0.00 | 38.54 -2.10 0.00 | 36.91 -2.02 0.00 | 42.79 -2.46 1.86 | 23.58 -2.97 31.54 | 46.54 -3.45 21.57 | 57.10 -2.69 0.00 | 32.52 -1.53 0.00 | 23.63 -0.95 0.00 | 25.02 -0.98 0.00 | 42.52 -1.21 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 32.92 -1.99 0.00 | 25.67 -1.57 0.00 | 25.00 -0.86 0.00 | 22.08 -0.94 0.00 | 20.30 -0.98 0.00 | 21.71 -1.05 0.00 | 23.65 -1.21 0.00 | 29.13 -1.47 0.00 | 28.08 -1.45 0.00 | 27.01 -1.57 0.00 | 26.80 -2.05 0.00 | 18.36 -2.03 4.06 | 30.77 -2.90 0.00 | 35.74 -3.35 0.00 | 37.48 -3.16 0.00 | 36.07 -2.86 0.00 | 41.68 -3.61 1.83 | 21.89 -4.82 31.39 | 44.94 -5.01 21.60 | 56.05 -3.74 0.00 | 31.95 -2.11 0.00 | 23.18 -1.39 0.00 | 24.52 -1.49 0.00 | 41.94 -1.79 0.00 |
| V_E_10_SYNC_DSASP 323830 | 38.78 3.26 -0.61 | 29.61 2.33 -0.05 | 27.97 2.11 0.00 | 24.97 1.85 -0.10 | 23.10 1.81 0.00 | 24.81 2.05 0.00 | 27.34 2.43 -0.04 | 33.67 3.08 0.00 | 32.87 3.17 -0.16 | 31.87 3.10 -0.19 | 32.58 2.88 -0.85 | 27.02 2.58 0.00 | 37.49 3.83 0.00 | 43.37 4.28 0.00 | 45.07 4.43 0.00 | 43.04 4.11 0.00 | 52.58 5.46 0.00 | 64.94 6.85 0.00 | 80.52 8.96 0.00 | 67.65 7.85 0.00 | 42.95 4.36 -4.53 | 33.31 2.92 -5.82 | 32.67 2.91 -3.76 | 48.32 4.59 0.00 |
| V_F_30_NSYNC__DSASP 323816 | 37.26 2.35 0.00 | 29.09 1.86 0.00 | 27.64 1.79 0.00 | 25.13 1.61 -0.51 | 22.72 1.44 0.00 | 24.33 1.58 0.00 | 26.57 1.70 0.00 | 32.57 1.97 0.00 | 31.59 2.06 0.00 | 30.60 2.01 0.00 | 34.30 2.23 -3.22 | 28.39 1.95 -1.99 | 36.38 2.72 0.00 | 42.23 3.15 0.00 | 43.83 3.19 0.00 | 42.08 3.15 0.00 | 50.73 3.62 0.00 | 62.67 4.59 0.00 | 77.47 5.92 0.00 | 64.64 4.85 0.00 | 71.21 2.93 -34.22 | 70.62 2.11 -43.94 | 56.59 2.18 -28.41 | 46.88 3.15 0.00 |
| V_F_30_SYNC_DSASP 323786 | 36.19 1.28 0.00 | 28.34 1.11 0.00 | 26.94 1.08 0.00 | 24.51 1.00 -0.49 | 22.16 0.87 0.00 | 23.71 0.95 0.00 | 25.83 0.97 0.00 | 31.60 1.01 0.00 | 30.66 1.13 0.00 | 29.71 1.13 0.00 | 33.27 1.28 -3.14 | 27.60 1.11 -2.05 | 35.22 1.55 0.00 | 40.95 1.86 0.00 | 42.48 1.84 0.00 | 40.77 1.84 0.00 | 49.15 2.03 0.00 | 60.61 2.53 0.00 | 74.57 3.02 0.00 | 62.18 2.38 0.00 | 62.04 1.48 -26.51 | 59.67 1.06 -34.04 | 49.14 1.13 -22.00 | 45.10 1.37 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 32.92 -1.99 0.00 | 25.67 -1.57 0.00 | 25.00 -0.86 0.00 | 22.08 -0.94 0.00 | 20.30 -0.98 0.00 | 21.71 -1.05 0.00 | 23.65 -1.21 0.00 | 29.13 -1.47 0.00 | 28.08 -1.45 0.00 | 27.01 -1.57 0.00 | 26.80 -2.05 0.00 | 18.36 -2.03 4.06 | 30.77 -2.90 0.00 | 35.74 -3.35 0.00 | 37.48 -3.16 0.00 | 36.07 -2.86 0.00 | 41.68 -3.61 1.83 | 21.89 -4.82 31.39 | 44.94 -5.01 21.60 | 56.05 -3.74 0.00 | 31.95 -2.11 0.00 | 23.18 -1.39 0.00 | 24.52 -1.49 0.00 | 41.94 -1.79 0.00 |

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|--------------------------------------------|-------------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 37.20 2.29 0.00 | 29.08 1.85 0.00 | 27.50 1.65 0.00 | 24.86 1.48 -0.36 | 22.60 1.31 0.00 | 24.06 1.30 0.00 | 26.32 1.45 0.00 | 32.48 1.88 0.00 | 31.72 2.19 0.00 | 30.91 2.33 0.00 | 33.86 2.70 -2.31 | 14.72 2.38 12.11 | 36.93 3.27 0.00 | 43.13 4.04 0.00 | 44.85 4.21 0.00 | 43.01 4.08 0.00 | 52.12 5.01 0.00 | 64.23 6.15 0.00 | 78.70 7.14 0.00 | 65.25 5.45 0.00 | 47.31 3.01 -10.24 | 39.76 2.04 -13.15 | 36.70 2.19 -8.50 | 46.79 3.06 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 37.44 2.53 0.00 | 29.30 2.06 0.00 | 27.70 1.84 0.00 | 25.07 1.67 -0.38 | 22.77 1.48 0.00 | 24.22 1.47 0.00 | 26.52 1.65 0.00 | 32.74 2.15 0.00 | 32.02 2.48 0.00 | 31.17 2.59 0.00 | 34.21 2.94 -2.42 | 36.05 2.63 -8.98 | 37.18 3.52 0.00 | 43.37 4.28 0.00 | 45.06 4.43 0.00 | 43.19 4.26 0.00 | 52.32 5.21 0.00 | 64.44 6.35 0.00 | 78.86 7.31 0.00 | 65.32 5.53 0.00 | 47.88 3.08 -10.74 | 40.46 2.10 -13.79 | 37.23 2.31 -8.92 | 46.94 3.21 0.00 |
| W50THST__13_KV_LOAD 356117 | 37.67 2.76 0.00 | 29.47 2.23 0.00 | 27.86 2.01 0.00 | 25.21 1.82 -0.38 | 22.91 1.62 0.00 | 24.38 1.63 0.00 | 26.71 1.85 0.00 | 33.00 2.40 0.00 | 32.28 2.74 0.00 | 31.43 2.85 0.00 | 34.49 3.22 -2.42 | 36.30 2.87 -8.98 | 37.51 3.85 0.00 | 43.74 4.65 0.00 | 45.43 4.79 0.00 | 43.53 4.60 0.00 | 52.72 5.61 0.00 | 64.94 6.85 0.00 | 79.43 7.88 0.00 | 65.76 5.97 0.00 | 48.12 3.32 -10.74 | 40.63 2.26 -13.79 | 37.41 2.49 -8.92 | 47.24 3.51 0.00 |
| WADING RIVER_IC_1 23522 | 54.74 3.18 -16.65 | 29.72 2.49 0.00 | 28.08 2.23 0.00 | 25.24 1.84 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.67 1.80 0.00 | 33.00 2.41 0.00 | 32.36 2.82 0.00 | 36.37 3.15 -4.64 | 70.20 3.48 -37.87 | 112.79 3.18 -85.17 | 142.55 4.37 -104.52 | 199.61 5.19 -155.32 | 150.14 5.24 -104.26 | 190.90 5.10 -146.87 | 172.09 6.17 -118.80 | 196.26 7.63 -130.54 | 228.92 8.80 -148.57 | 177.71 6.81 -111.10 | 145.27 3.90 -107.31 | 121.92 2.74 -94.61 | 74.26 3.10 -45.16 | 82.01 4.42 -33.87 |
| WADING RIVER_IC_2 23547 | 54.74 3.18 -16.65 | 29.72 2.49 0.00 | 28.08 2.23 0.00 | 25.24 1.84 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.67 1.80 0.00 | 33.00 2.41 0.00 | 32.36 2.82 0.00 | 36.37 3.15 -4.64 | 70.20 3.48 -37.87 | 112.79 3.18 -85.17 | 142.55 4.37 -104.52 | 199.61 5.19 -155.32 | 150.14 5.24 -104.26 | 190.90 5.10 -146.87 | 172.09 6.17 -118.80 | 196.26 7.63 -130.54 | 228.92 8.80 -148.57 | 177.71 6.81 -111.10 | 145.27 3.90 -107.31 | 121.92 2.74 -94.61 | 74.26 3.10 -45.16 | 82.01 4.42 -33.87 |
| WADING RIVER_IC_3 23601 | 54.74 3.18 -16.65 | 29.72 2.49 0.00 | 28.08 2.23 0.00 | 25.24 1.84 -0.38 | 22.96 1.67 0.00 | 24.46 1.70 0.00 | 26.67 1.80 0.00 | 33.00 2.41 0.00 | 32.36 2.82 0.00 | 36.37 3.15 -4.64 | 70.20 3.48 -37.87 | 112.79 3.18 -85.17 | 142.55 4.37 -104.52 | 199.61 5.19 -155.32 | 150.14 5.24 -104.26 | 190.90 5.10 -146.87 | 172.09 6.17 -118.80 | 196.26 7.63 -130.54 | 228.92 8.80 -148.57 | 177.71 6.81 -111.10 | 145.27 3.90 -107.31 | 121.92 2.74 -94.61 | 74.26 3.10 -45.16 | 82.01 4.42 -33.87 |
| WALDENNY_I2_KV_BK2 80841 | 36.21 1.30 0.00 | 28.09 0.85 0.00 | 26.56 0.70 0.00 | 23.56 0.49 -0.06 | 21.80 0.51 0.00 | 23.29 0.53 0.00 | 25.67 0.81 0.00 | 31.60 1.00 0.00 | 30.64 1.10 0.00 | 29.88 1.30 0.00 | 30.26 1.04 -0.37 | 25.56 1.11 0.00 | 35.32 1.66 0.00 | 40.84 1.76 0.00 | 42.56 1.92 0.00 | 40.47 1.54 0.00 | 49.20 2.08 0.00 | 60.10 2.01 0.00 | 73.66 2.11 0.00 | 62.11 2.32 0.00 | 37.00 1.24 -1.70 | 27.54 0.78 -2.19 | 28.11 0.70 -1.41 | 45.42 1.69 0.00 |
| WALDEN__HYDRO 24148 | 37.33 2.42 0.00 | 29.14 1.91 0.00 | 27.57 1.72 0.00 | 24.92 1.54 -0.36 | 22.66 1.37 0.00 | 24.14 1.39 0.00 | 26.40 1.53 0.00 | 32.57 1.98 0.00 | 31.76 2.22 0.00 | 30.88 2.30 0.00 | 33.80 2.62 -2.33 | 24.69 2.30 2.05 | 36.78 4.37 0.00 | 42.95 5.19 3.86 | 44.65 5.24 4.01 | 42.83 5.10 3.90 | 51.98 6.17 4.86 | 64.18 7.63 6.09 | 78.89 8.80 7.34 | 65.59 6.81 5.80 | 47.72 3.90 3.25 | 40.16 2.74 2.22 | 36.97 3.10 2.32 | 47.05 4.42 3.32 |
| WARRENSBURG____ 23737 | 37.26 2.35 0.00 | 28.97 1.74 0.00 | 27.56 1.70 0.00 | 25.05 1.52 -0.51 | 22.63 1.34 0.00 | 24.28 1.52 0.00 | 26.56 1.69 0.00 | 32.62 2.02 0.00 | 31.64 2.10 0.00 | 30.61 2.03 0.00 | 34.23 2.15 -3.23 | 28.33 1.91 -1.98 | 36.25 2.59 0.00 | 42.04 2.95 0.00 | 43.59 2.95 0.00 | 41.91 2.98 0.00 | 50.57 3.45 0.00 | 62.55 4.47 0.00 | 77.85 6.29 0.00 | 64.86 5.07 0.00 | 71.93 3.15 -34.73 | 71.50 2.34 -44.59 | 57.18 2.35 -28.83 | 47.10 3.37 0.00 |
| WATERSIDE____6 8 9 23538 | 37.35 2.45 0.00 | 29.22 1.99 0.01 | 27.64 1.78 0.00 | 25.04 1.65 -0.38 | 22.72 1.44 0.00 | 24.17 1.42 0.00 | 26.46 1.60 0.00 | 32.64 2.05 0.00 | 31.92 2.38 0.00 | 31.02 2.44 0.00 | 34.10 2.83 -2.42 | 35.93 2.51 -8.98 | 36.95 3.29 0.00 | 43.10 4.01 0.00 | 37.81 4.12 6.95 | 42.90 3.97 0.01 | 51.95 4.84 0.01 | 63.97 5.89 0.01 | 78.23 6.68 0.01 | 64.87 5.08 0.00 | 47.62 2.82 -10.74 | 40.30 1.94 -13.79 | 37.08 2.16 -8.92 | 46.75 3.03 0.00 |
| WATKINRD_115KV_LN8_ILLION 55919 | 35.37 0.46 0.00 | 27.60 0.37 0.00 | 26.22 0.36 0.00 | 23.35 0.34 0.00 | 21.57 0.28 0.00 | 23.08 0.33 0.00 | 25.19 0.32 0.00 | 30.92 0.32 0.00 | 29.92 0.39 0.00 | 29.01 0.43 0.00 | 29.40 0.55 0.00 | 25.16 0.55 -0.16 | 34.47 0.80 0.00 | 40.05 0.96 0.00 | 41.46 0.82 0.00 | 39.73 0.80 0.00 | 48.40 0.91 -0.37 | 62.26 1.24 -2.94 | 74.14 1.71 -0.87 | 61.17 1.37 0.00 | 34.94 0.88 0.00 | 25.19 0.62 0.00 | 26.64 0.63 0.00 | 44.46 0.73 0.00 |
| WATSON__69_KV_BK 1 55734 | 55.94 3.99 -17.04 | 30.32 3.09 0.00 | 28.62 2.77 0.00 | 25.77 2.38 -0.38 | 23.46 2.17 0.00 | 25.00 2.25 0.00 | 27.27 2.41 0.00 | 33.73 3.13 0.00 | 33.08 3.54 0.00 | 37.02 3.80 -4.64 | 70.89 4.18 -37.87 | 113.40 3.76 -85.20 | 136.00 5.12 -97.22 | 165.02 5.95 -119.99 | 143.13 5.92 -96.58 | 165.97 5.72 -121.32 | 159.36 6.95 -105.29 | 169.84 8.58 -103.18 | 209.46 9.99 -127.92 | 176.38 7.81 -108.77 | 135.37 4.48 -96.83 | 82.06 3.19 -54.30 | 57.93 3.64 -28.29 | 65.06 5.32 -16.01 |
| WDELAWARE__HYD 323627 | 36.82 1.91 0.00 | 28.69 1.45 0.00 | 27.13 1.27 0.00 | 24.47 1.12 -0.33 | 22.28 0.99 0.00 | 23.73 0.98 0.00 | 25.95 1.09 0.00 | 32.07 1.47 0.00 | 31.32 1.78 0.00 | 30.52 1.93 0.00 | 33.24 2.29 -2.10 | 25.22 2.06 1.28 | 24.68 2.74 11.72 | 38.50 2.52 3.11 | 43.50 2.86 0.00 | 41.71 2.78 0.00 | 50.67 3.56 0.00 | 62.71 4.62 0.00 | 77.08 5.53 0.00 | 64.04 4.24 0.00 | 46.15 2.37 -9.73 | 39.10 2.04 -12.49 | 36.17 2.09 -8.08 | 46.65 2.92 0.00 |
| WEST BABYLON__IC 23714 | 56.61 3.82 -17.88 | 30.20 2.97 0.00 | 28.52 2.66 0.00 | 25.70 2.31 -0.38 | 23.39 2.10 0.00 | 24.92 2.16 0.00 | 27.18 2.32 0.00 | 33.59 2.99 0.00 | 32.94 3.40 0.00 | 36.80 3.58 -4.64 | 70.65 3.93 -37.87 | 112.69 3.53 -84.71 | 130.56 4.80 -92.09 | 139.84 5.61 -95.14 | 136.67 5.58 -90.45 | 146.67 5.39 -102.35 | 144.54 6.57 -90.85 | 142.44 8.11 -76.24 | 185.43 9.44 -104.44 | 173.50 7.38 -106.32 | 127.19 4.26 -88.87 | 53.57 3.01 -25.99 | 45.89 3.43 -16.45 | 53.07 4.95 -4.39 |
| WEST CANADA__HYD 24049 | 35.08 0.17 0.00 | 27.35 0.11 0.00 | 25.96 0.10 0.00 | 23.11 0.09 0.00 | 21.38 0.10 0.00 | 22.87 0.12 0.00 | 24.99 0.12 0.00 | 30.72 0.13 0.00 | 29.71 0.17 0.00 | 28.75 0.17 0.00 | 29.06 0.21 0.00 | 24.81 0.20 -0.16 | 33.94 0.28 0.00 | 39.43 0.34 0.00 | 40.96 0.32 0.00 | 39.21 0.28 0.00 | 47.83 0.35 -0.37 | 61.45 0.42 -2.94 | 72.95 0.52 -0.87 | 60.22 0.42 0.00 | 34.30 0.24 0.00 | 24.75 0.17 0.00 | 26.18 0.18 0.00 | 43.94 0.21 0.00 |

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|--------------------------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|--------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| WESTERN_NY_WIND 24143 | 36.66 1.75 0.00 | 28.44 1.21 0.00 | 26.89 1.03 0.00 | 23.84 0.77 -0.05 | 22.04 0.75 0.00 | 23.57 0.81 0.00 | 26.00 1.13 0.00 | 31.99 1.39 0.00 | 30.98 1.44 0.00 | 29.99 1.42 0.00 | 30.09 0.92 -0.32 | 25.34 0.90 0.00 | 34.99 1.33 0.00 | 40.49 1.40 0.00 | 42.21 1.57 0.00 | 40.25 1.32 0.00 | 48.85 1.73 0.00 | 59.92 1.83 0.00 | 73.57 2.02 0.00 | 62.23 2.44 0.00 | 36.86 1.37 -1.43 | 27.34 0.93 -1.84 | 28.34 1.15 -1.19 | 46.13 2.40 0.00 |
| WESTOVER___LESR 323668 | 36.31 0.83 -0.57 | 27.78 0.50 -0.04 | 26.27 0.41 0.00 | 23.49 0.36 -0.11 | 21.67 0.38 0.00 | 23.19 0.44 0.00 | 25.48 0.57 -0.04 | 31.37 0.77 0.00 | 30.57 0.88 -0.15 | 29.74 0.98 -0.18 | 30.68 0.95 -0.88 | 25.38 0.94 0.00 | 35.06 1.40 0.00 | 40.82 1.73 0.00 | 42.46 1.82 0.00 | 40.51 1.58 0.00 | 49.15 2.04 0.00 | 60.46 2.38 0.00 | 74.49 2.93 0.00 | 62.13 2.34 0.00 | 38.93 1.25 -3.62 | 29.99 0.76 -4.65 | 29.79 0.79 -3.00 | 44.90 1.17 0.00 |
| WETHRSFD_WT_PWR 323626 | 35.74 0.83 0.00 | 27.73 0.49 0.00 | 26.23 0.38 0.00 | 23.38 0.30 -0.07 | 21.66 0.37 0.00 | 23.15 0.39 0.00 | 25.46 0.59 0.00 | 31.38 0.78 0.00 | 30.43 0.89 0.00 | 29.59 1.00 0.00 | 30.04 0.77 -0.42 | 25.35 0.91 0.00 | 35.02 1.35 0.00 | 40.47 1.38 0.00 | 42.21 1.57 0.00 | 39.97 1.04 0.00 | 48.64 1.53 0.00 | 59.61 1.52 0.00 | 73.41 1.86 0.00 | 61.81 2.01 0.00 | 37.09 1.08 -1.95 | 27.69 0.62 -2.50 | 28.18 0.56 -1.62 | 45.00 1.27 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 36.99 2.09 0.00 | 28.92 1.69 0.00 | 27.37 1.52 0.00 | 24.74 1.36 -0.36 | 22.48 1.20 0.00 | 23.94 1.18 0.00 | 26.18 1.31 0.00 | 32.30 1.70 0.00 | 31.54 2.01 0.00 | 30.71 2.13 0.00 | 33.66 2.50 -2.31 | 14.37 2.20 12.26 | 36.65 2.99 0.00 | 42.80 3.71 0.00 | 44.52 3.88 0.00 | 42.68 3.75 0.00 | 51.72 4.60 0.00 | 63.74 5.65 0.00 | 78.10 6.55 0.00 | 64.76 4.97 0.00 | 47.06 2.74 -10.26 | 39.60 1.85 -13.18 | 36.53 2.01 -8.52 | 46.51 2.78 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 36.99 2.09 0.00 | 28.92 1.69 0.00 | 27.37 1.52 0.00 | 24.74 1.36 -0.36 | 22.48 1.20 0.00 | 23.94 1.18 0.00 | 26.18 1.31 0.00 | 32.30 1.70 0.00 | 31.54 2.01 0.00 | 30.71 2.13 0.00 | 33.66 2.50 -2.31 | 14.37 2.20 12.26 | 36.65 2.99 0.00 | 42.80 3.71 0.00 | 44.52 3.88 0.00 | 42.68 3.75 0.00 | 51.72 4.60 0.00 | 63.74 5.65 0.00 | 78.10 6.55 0.00 | 64.76 4.97 0.00 | 47.06 2.74 -10.26 | 39.60 1.85 -13.18 | 36.53 2.01 -8.52 | 46.51 2.78 0.00 |
| WHITEHAL_115KV_TB1 80871 | 38.44 3.53 0.00 | 29.65 2.42 0.00 | 28.32 2.46 0.00 | 25.73 2.20 -0.51 | 23.21 1.92 0.00 | 25.01 2.26 0.00 | 27.50 2.63 0.00 | 33.84 3.24 0.00 | 32.67 3.13 0.00 | 31.42 2.84 0.00 | 35.20 3.12 -3.23 | 29.14 2.71 -1.98 | 37.45 3.78 0.00 | 43.68 4.59 0.00 | 45.05 4.41 0.00 | 43.29 4.35 0.00 | 52.24 5.13 0.00 | 64.71 6.63 0.00 | 80.87 9.32 0.00 | 67.15 7.36 0.00 | 73.04 4.47 -34.52 | 72.20 3.31 -44.32 | 57.99 3.33 -28.65 | 48.73 5.01 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 37.55 2.64 0.00 | 29.36 2.12 0.00 | 27.76 1.91 0.00 | 25.13 1.73 -0.38 | 22.82 1.53 0.00 | 24.30 1.55 0.00 | 26.59 1.72 0.00 | 32.81 2.22 0.00 | 32.07 2.53 0.00 | 31.22 2.64 0.00 | 34.28 3.01 -2.42 | 36.80 2.81 -9.54 | 37.56 3.89 0.00 | 43.76 4.67 0.00 | 45.25 4.61 0.00 | 43.38 4.45 0.00 | 52.55 5.44 0.00 | 64.76 6.67 0.00 | 79.30 7.75 0.00 | 65.76 5.96 0.00 | 48.08 3.31 -10.71 | 40.58 2.25 -13.76 | 37.33 2.43 -8.89 | 47.17 3.44 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 55.07 3.48 -16.68 | 29.94 2.71 0.00 | 28.30 2.45 0.00 | 25.44 2.04 -0.38 | 23.15 1.86 0.00 | 24.66 1.91 0.00 | 26.89 2.03 0.00 | 33.28 2.69 0.00 | 32.61 3.07 0.00 | 36.59 3.37 -4.64 | 70.41 3.70 -37.87 | 112.96 3.35 -85.17 | 142.56 4.62 -104.27 | 198.76 5.49 -154.19 | 150.82 5.51 -104.67 | 191.39 5.34 -147.12 | 175.43 6.46 -121.85 | 201.32 8.02 -135.22 | 234.81 9.28 -153.98 | 178.64 7.27 -111.57 | 145.84 4.17 -107.61 | 120.77 2.93 -93.27 | 73.91 3.31 -44.59 | 80.80 4.80 -32.27 |
| WOODARD___115KV_TB2 355635 | 35.76 -0.16 -1.01 | 27.13 -0.19 -0.08 | 25.63 -0.23 0.00 | 22.83 -0.21 -0.03 | 21.11 -0.17 0.00 | 22.58 -0.17 0.00 | 24.79 -0.15 -0.07 | 30.46 -0.14 0.00 | 29.73 -0.07 -0.27 | 28.92 0.02 -0.31 | 29.41 0.04 -0.52 | 24.54 0.10 0.00 | 33.87 0.21 0.00 | 39.35 0.26 0.00 | 40.91 0.27 0.00 | 39.19 0.26 0.00 | 48.01 0.41 -0.48 | 61.24 0.47 -2.68 | 72.12 0.56 0.00 | 60.25 0.46 0.00 | 34.21 0.16 0.00 | 24.61 0.04 0.00 | 25.98 -0.02 0.00 | 43.65 -0.08 0.00 |
| YORK___WARBASSE 23770 | 37.59 2.67 -0.01 | 29.43 2.18 -0.01 | 27.81 1.95 0.00 | 25.17 1.78 -0.38 | 22.84 1.55 0.00 | 24.30 1.55 0.00 | 26.60 1.73 0.00 | 32.82 2.22 0.00 | 32.11 2.57 0.00 | 31.20 2.62 0.00 | 34.24 2.97 -2.42 | 36.04 2.62 -8.98 | 37.12 3.45 0.00 | 43.31 4.23 0.00 | 51.09 4.35 -6.10 | 43.14 4.21 -0.01 | 52.25 5.12 -0.01 | 64.30 6.21 0.00 | 78.57 7.02 0.00 | 65.17 5.38 0.00 | 47.79 2.99 -10.74 | 40.45 2.08 -13.80 | 37.21 2.29 -8.92 | 46.99 3.26 0.00 |