

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

04/02/2025

| Name | 00:00 | 01:00 | 02:00 | 03:00 | 04:00 | 05:00 | 06:00 | 07:00 | 08:00 | 09:00 | 10:00 | 11:00 | 12:00 | 13:00 | 14:00 | 15:00 | 16:00 | 17:00 | 18:00 | 19:00 | 20:00 | 21:00 | 22:00 | 23:00 |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| PTID | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT | EDT |
| 59TH STREET_GT_1 | 73.66 | 38.76 | 37.48 | 37.11 | 40.07 | 42.14 | 54.94 | 66.09 | 39.45 | 39.95 | 50.09 | 40.86 | 42.00 | 50.61 | 52.44 | 60.24 | 94.06 | 69.07 | 64.63 | 106.99 | 71.35 | 45.49 | 41.84 | 40.92 |
| 24138 | 1.82 | 1.17 | 1.08 | 1.14 | 1.13 | 1.42 | 2.50 | 3.68 | 2.28 | 1.99 | 2.35 | 2.09 | 2.05 | 2.32 | 2.50 | 3.13 | 4.83 | 4.12 | 4.21 | 6.41 | 4.10 | 2.56 | 2.08 | 1.67 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_1 | 73.86 | 38.82 | 37.54 | 37.17 | 40.16 | 42.25 | 55.06 | 66.20 | 39.47 | 39.89 | 49.99 | 40.78 | 41.91 | 50.48 | 52.32 | 60.14 | 93.93 | 68.93 | 64.59 | 107.05 | 71.43 | 45.57 | 41.97 | 41.05 |
| 24260 | 2.02 | 1.23 | 1.15 | 1.20 | 1.22 | 1.53 | 2.62 | 3.80 | 2.30 | 1.93 | 2.24 | 2.01 | 1.95 | 2.19 | 2.39 | 3.03 | 4.70 | 3.99 | 4.18 | 6.46 | 4.18 | 2.63 | 2.21 | 1.79 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 74TH STREET_GT_2 | 73.86 | 38.82 | 37.54 | 37.17 | 40.16 | 42.25 | 55.06 | 66.20 | 39.47 | 39.89 | 49.99 | 40.78 | 41.91 | 50.48 | 52.32 | 60.14 | 93.93 | 68.93 | 64.59 | 107.05 | 71.43 | 45.57 | 41.97 | 41.05 |
| 24261 | 2.02 | 1.23 | 1.15 | 1.20 | 1.22 | 1.53 | 2.62 | 3.80 | 2.30 | 1.93 | 2.24 | 2.01 | 1.95 | 2.19 | 2.39 | 3.03 | 4.70 | 3.99 | 4.18 | 6.46 | 4.18 | 2.63 | 2.21 | 1.79 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK HUDSON___FALLS | 74.93 | 39.49 | 38.20 | 37.78 | 40.85 | 42.80 | 55.94 | 67.13 | 39.86 | 40.20 | 50.28 | 40.62 | 41.72 | 50.40 | 52.13 | 59.95 | 94.66 | 69.86 | 65.66 | 108.60 | 72.40 | 46.05 | 42.67 | 41.94 |
| 24011 | 3.09 | 1.90 | 1.80 | 1.81 | 1.91 | 2.08 | 3.50 | 4.72 | 2.68 | 2.23 | 2.53 | 1.85 | 1.77 | 2.11 | 2.20 | 2.84 | 5.43 | 4.92 | 5.24 | 8.01 | 5.16 | 3.11 | 2.91 | 2.69 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK RESOURCE___RCVRY | 75.56 | 39.87 | 38.50 | 38.06 | 41.17 | 43.04 | 56.37 | 67.72 | 40.25 | 40.58 | 50.62 | 40.83 | 41.99 | 50.74 | 52.45 | 60.33 | 95.37 | 70.48 | 66.35 | 109.52 | 72.99 | 46.40 | 43.07 | 42.31 |
| 23798 | 3.72 | 2.28 | 2.10 | 2.09 | 2.23 | 2.32 | 3.92 | 5.31 | 3.08 | 2.62 | 2.87 | 2.06 | 2.04 | 2.44 | 2.51 | 3.23 | 6.14 | 5.54 | 5.93 | 8.93 | 5.74 | 3.46 | 3.31 | 3.06 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK S GLENS___FALLS | 74.93 | 39.49 | 38.20 | 37.78 | 40.85 | 42.80 | 55.94 | 67.13 | 39.86 | 40.20 | 50.28 | 40.62 | 41.72 | 50.40 | 52.13 | 59.95 | 94.66 | 69.86 | 65.66 | 108.60 | 72.40 | 46.05 | 42.67 | 41.94 |
| 24028 | 3.09 | 1.90 | 1.80 | 1.81 | 1.91 | 2.08 | 3.50 | 4.72 | 2.68 | 2.23 | 2.53 | 1.85 | 1.77 | 2.11 | 2.20 | 2.84 | 5.43 | 4.92 | 5.24 | 8.01 | 5.16 | 3.11 | 2.91 | 2.69 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ADK_NYS___DAM | 71.94 | 38.05 | 37.00 | 36.62 | 39.53 | 41.48 | 53.85 | 64.59 | 38.43 | 38.83 | 48.56 | 39.36 | 40.51 | 48.80 | 50.49 | 58.12 | 91.26 | 67.39 | 63.26 | 104.85 | 69.96 | 44.57 | 41.45 | 40.85 |
| 23527 | 0.10 | 0.46 | 0.60 | 0.66 | 0.59 | 0.76 | 1.40 | 2.18 | 1.25 | 0.87 | 0.82 | 0.59 | 0.56 | 0.51 | 0.56 | 1.02 | 2.03 | 2.45 | 2.84 | 4.27 | 2.71 | 1.64 | 1.70 | 1.60 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AIR_PRODUCTS___DRP | 70.47 | 37.28 | 36.14 | 35.76 | 38.57 | 40.40 | 52.36 | 62.76 | 37.32 | 37.89 | 47.41 | 38.58 | 39.66 | 47.82 | 49.38 | 56.70 | 89.35 | 65.60 | 61.23 | 101.50 | 67.76 | 43.23 | 40.12 | 39.47 |
| 24190 | -1.37 | -0.31 | -0.26 | -0.20 | -0.36 | -0.31 | -0.08 | 0.35 | 0.15 | -0.08 | -0.34 | -0.19 | -0.29 | -0.47 | -0.56 | -0.40 | 0.11 | 0.66 | 0.81 | 0.92 | 0.51 | 0.30 | 0.36 | 0.21 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| AKWESSNE_115KV_BK | 73.65 | 38.43 | 37.21 | 36.71 | 39.75 | 41.46 | 53.27 | 63.19 | 37.59 | 38.54 | 48.15 | 39.23 | 40.58 | 48.99 | 50.67 | 57.90 | 90.35 | 65.39 | 60.49 | 101.19 | 67.70 | 43.24 | 40.02 | 39.55 |
| 355683 | 1.81 | 0.84 | 0.82 | 0.74 | 0.81 | 0.75 | 0.83 | 0.78 | 0.41 | 0.58 | 0.40 | 0.46 | 0.62 | 0.69 | 0.74 | 0.79 | 1.12 | 0.44 | 0.07 | 0.60 | 0.45 | 0.30 | 0.26 | 0.30 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY_1_SOLAR | 72.22 | 38.07 | 36.92 | 36.54 | 39.47 | 41.39 | 53.60 | 64.05 | 37.88 | 38.10 | 47.78 | 38.82 | 39.91 | 48.21 | 49.91 | 57.41 | 90.98 | 66.80 | 62.46 | 103.63 | 69.19 | 44.15 | 40.90 | 40.26 |
| 323833 | 0.38 | 0.48 | 0.52 | 0.57 | 0.53 | 0.68 | 1.15 | 1.64 | 0.70 | 0.13 | 0.03 | 0.05 | -0.04 | -0.09 | -0.03 | 0.30 | 1.74 | 1.85 | 2.04 | 3.04 | 1.94 | 1.21 | 1.14 | 1.00 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY_2_SOLAR | 72.22 | 38.07 | 36.92 | 36.53 | 39.45 | 41.38 | 53.59 | 64.04 | 37.86 | 38.09 | 47.78 | 38.82 | 39.91 | 48.21 | 49.91 | 57.40 | 90.95 | 66.78 | 62.44 | 103.60 | 69.17 | 44.14 | 40.88 | 40.25 |
| 323834 | 0.37 | 0.48 | 0.52 | 0.56 | 0.52 | 0.67 | 1.14 | 1.64 | 0.69 | 0.13 | 0.03 | 0.05 | -0.05 | -0.09 | -0.03 | 0.30 | 1.72 | 1.84 | 2.02 | 3.01 | 1.92 | 1.20 | 1.13 | 0.99 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| ALBANY___1 | 70.47 | 37.28 | 36.14 | 35.76 | 38.57 | 40.40 | 52.36 | 62.76 | 37.32 | 37.89 | 47.41 | 38.58 | 39.66 | 47.82 | 49.38 | 56.70 | 89.35 | 65.60 | 61.23 | 101.50 | 67.76 | 43.23 | 40.12 | 39.47 |
| 23571 | -1.37 | -0.31 | -0.26 | -0.20 | -0.36 | -0.31 | -0.08 | 0.35 | 0.15 | -0.08 | -0.34 | -0.19 | -0.29 | -0.47 | -0.56 | -0.40 | 0.11 | 0.66 | 0.81 | 0.92 | 0.51 | 0.30 | 0.36 | 0.21 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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|-------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| ALBANY___2 23572 | 70.47 -1.37 0.00 | 37.28 -0.31 0.00 | 36.14 -0.26 0.00 | 35.76 -0.20 0.00 | 38.57 -0.36 0.00 | 40.40 -0.31 0.00 | 52.36 -0.08 0.00 | 62.76 0.35 0.00 | 37.32 0.15 0.00 | 37.89 -0.08 0.00 | 47.41 -0.34 0.00 | 38.58 -0.19 0.00 | 39.66 -0.29 0.00 | 47.82 -0.47 0.00 | 49.38 -0.56 0.00 | 56.70 -0.40 0.00 | 89.35 0.11 0.00 | 65.60 0.66 0.00 | 61.23 0.81 0.00 | 101.50 0.92 0.00 | 67.76 0.51 0.00 | 43.23 0.30 0.00 | 40.12 0.36 0.00 | 39.47 0.21 0.00 |
| ALBANY___3 23573 | 70.47 -1.37 0.00 | 37.28 -0.31 0.00 | 36.14 -0.26 0.00 | 35.76 -0.20 0.00 | 38.57 -0.36 0.00 | 40.40 -0.31 0.00 | 52.36 -0.08 0.00 | 62.76 0.35 0.00 | 37.32 0.15 0.00 | 37.89 -0.08 0.00 | 47.41 -0.34 0.00 | 38.58 -0.19 0.00 | 39.66 -0.29 0.00 | 47.82 -0.47 0.00 | 49.38 -0.56 0.00 | 56.70 -0.40 0.00 | 89.35 0.11 0.00 | 65.60 0.66 0.00 | 61.23 0.81 0.00 | 101.50 0.92 0.00 | 67.76 0.51 0.00 | 43.23 0.30 0.00 | 40.12 0.36 0.00 | 39.47 0.21 0.00 |
| ALBANY___4 23574 | 70.47 -1.37 0.00 | 37.28 -0.31 0.00 | 36.14 -0.26 0.00 | 35.76 -0.20 0.00 | 38.57 -0.36 0.00 | 40.40 -0.31 0.00 | 52.36 -0.08 0.00 | 62.76 0.35 0.00 | 37.32 0.15 0.00 | 37.89 -0.08 0.00 | 47.41 -0.34 0.00 | 38.58 -0.19 0.00 | 39.66 -0.29 0.00 | 47.82 -0.47 0.00 | 49.38 -0.56 0.00 | 56.70 -0.40 0.00 | 89.35 0.11 0.00 | 65.60 0.66 0.00 | 61.23 0.81 0.00 | 101.50 0.92 0.00 | 67.76 0.51 0.00 | 43.23 0.30 0.00 | 40.12 0.36 0.00 | 39.47 0.21 0.00 |
| ALBANY___LFGE 323615 | 71.25 -0.59 0.00 | 37.66 0.07 0.00 | 36.49 0.09 0.00 | 36.11 0.15 0.00 | 38.97 0.03 0.00 | 40.85 0.13 0.00 | 52.97 0.52 0.00 | 63.47 1.06 0.00 | 37.73 0.56 0.00 | 38.29 0.33 0.00 | 47.96 0.21 0.00 | 38.99 0.22 0.00 | 40.07 0.12 0.00 | 48.35 0.06 0.00 | 49.94 0.00 0.00 | 57.38 0.27 0.00 | 90.46 1.23 0.00 | 66.40 1.46 0.00 | 61.96 1.54 0.00 | 102.74 2.16 0.00 | 68.56 1.32 0.00 | 43.75 0.81 0.00 | 40.55 0.79 0.00 | 39.89 0.63 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 74.07 2.23 0.00 | 38.64 1.05 0.00 | 37.40 1.01 0.00 | 36.91 0.94 0.00 | 39.97 1.03 0.00 | 41.71 0.99 0.00 | 53.61 1.17 0.00 | 63.54 1.13 0.00 | 37.76 0.58 0.00 | 38.68 0.71 0.00 | 48.52 0.77 0.00 | 39.34 0.57 0.00 | 40.72 0.77 0.00 | 49.14 0.85 0.00 | 50.85 0.91 0.00 | 58.12 1.01 0.00 | 90.72 1.49 0.00 | 65.68 0.74 0.00 | 60.77 0.35 0.00 | 101.74 1.16 0.00 | 68.08 0.83 0.00 | 43.44 0.50 0.00 | 40.38 0.43 -0.18 | 40.06 0.45 -0.36 |
| ALCOA_RYNLDS___DRP 24188 | 74.07 2.23 0.00 | 38.64 1.05 0.00 | 37.40 1.01 0.00 | 36.91 0.94 0.00 | 39.97 1.03 0.00 | 41.71 0.99 0.00 | 53.61 1.17 0.00 | 63.54 1.13 0.00 | 37.76 0.58 0.00 | 38.68 0.71 0.00 | 48.52 0.77 0.00 | 39.34 0.57 0.00 | 40.72 0.77 0.00 | 49.14 0.85 0.00 | 50.85 0.91 0.00 | 58.12 1.01 0.00 | 90.72 1.49 0.00 | 65.68 0.74 0.00 | 60.77 0.35 0.00 | 101.74 1.16 0.00 | 68.08 0.83 0.00 | 43.44 0.50 0.00 | 40.38 0.43 -0.18 | 40.06 0.45 -0.36 |
| ALCOA___DSASP 323711 | 74.07 2.23 0.00 | 38.64 1.05 0.00 | 37.40 1.01 0.00 | 36.90 0.94 0.00 | 39.97 1.03 0.00 | 41.71 0.99 0.00 | 53.61 1.17 0.00 | 63.54 1.13 0.00 | 37.76 0.58 0.00 | 38.68 0.71 0.00 | 48.52 0.77 0.00 | 39.34 0.56 0.00 | 40.72 0.77 0.00 | 49.14 0.85 0.00 | 50.85 0.91 0.00 | 58.12 1.01 0.00 | 90.71 1.48 0.00 | 65.68 0.74 0.00 | 60.77 0.35 0.00 | 101.75 1.16 0.00 | 68.08 0.83 0.00 | 43.44 0.50 0.00 | 40.37 0.43 -0.18 | 40.06 0.45 -0.36 |
| ALLEGHENY___COGEN 23514 | 76.94 5.10 0.00 | 39.74 2.14 0.00 | 38.49 2.09 0.00 | 37.97 2.00 0.00 | 41.28 2.35 0.00 | 43.37 2.65 0.00 | 56.57 4.13 0.00 | 66.51 4.10 0.00 | 39.30 2.13 0.00 | 40.78 2.82 0.00 | 51.25 3.51 0.00 | 40.69 1.92 0.00 | 42.69 2.74 0.00 | 52.56 4.26 0.00 | 55.35 5.41 0.00 | 63.04 5.94 0.00 | 97.71 8.48 0.00 | 69.97 5.03 0.00 | 65.74 5.31 0.00 | 109.74 9.15 0.00 | 73.54 6.29 0.00 | 46.62 3.69 0.00 | 42.64 2.88 0.00 | 41.83 2.58 0.00 |
| ALTAMONT_115KV_TB 2 55880 | 73.01 1.17 0.00 | 38.37 0.78 0.00 | 37.19 0.79 0.00 | 36.81 0.84 0.00 | 39.78 0.85 0.00 | 41.73 1.01 0.00 | 54.10 1.66 0.00 | 64.64 2.23 0.00 | 38.32 1.14 0.00 | 38.71 0.75 0.00 | 48.62 0.88 0.00 | 39.42 0.65 0.00 | 40.47 0.52 0.00 | 48.99 0.70 0.00 | 50.71 0.78 0.00 | 58.21 1.10 0.00 | 91.68 2.45 0.00 | 67.35 2.41 0.00 | 62.99 2.57 0.00 | 104.60 4.02 0.00 | 69.92 2.68 0.00 | 44.58 1.65 0.00 | 41.19 1.43 0.00 | 40.55 1.29 0.00 |
| ALTONA_WT_PWR 323606 | 73.73 1.89 0.00 | 38.66 1.07 0.00 | 37.47 1.08 0.00 | 37.01 1.04 0.00 | 40.11 1.17 0.00 | 41.74 1.03 0.00 | 53.75 1.31 0.00 | 63.55 1.14 0.00 | 37.69 0.51 0.00 | 38.49 0.53 0.00 | 47.94 0.19 0.00 | 38.75 -0.02 0.00 | 40.03 0.08 0.00 | 48.34 0.05 0.00 | 50.05 0.11 0.00 | 57.39 0.28 0.00 | 88.66 -0.57 0.00 | 64.39 -0.56 0.00 | 60.27 -0.15 0.00 | 100.99 0.40 0.00 | 67.45 0.21 0.00 | 42.78 -0.16 0.00 | 34.20 -0.65 4.91 | 28.79 -0.72 9.74 |
| AMERICAN_REF_FUEL 24010 | 69.57 -2.27 0.00 | 35.78 -1.81 0.00 | 34.70 -1.69 0.00 | 34.16 -1.81 0.00 | 37.06 -1.88 0.00 | 38.62 -2.10 0.00 | 49.42 -3.03 0.00 | 57.03 -5.38 0.00 | 34.29 -2.88 0.00 | 36.27 -1.69 0.00 | 46.62 -1.13 0.00 | 37.59 -1.18 0.00 | 39.07 -0.88 0.00 | 47.79 -0.51 0.00 | 49.60 -0.33 0.00 | 56.22 -0.89 0.00 | 86.66 -2.57 0.00 | 61.59 -3.35 0.00 | 57.29 -3.13 0.00 | 95.38 -5.21 0.00 | 64.09 -3.15 0.00 | 41.10 -1.84 0.00 | 37.95 -1.81 0.00 | 37.62 -1.63 0.00 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 72.31 0.47 0.00 | 36.97 -0.62 0.00 | 35.51 -0.88 0.00 | 35.12 -0.85 0.00 | 37.93 -1.00 0.00 | 39.62 -1.10 0.00 | 51.09 -1.35 0.00 | 58.79 -3.62 0.00 | 34.80 -2.37 0.00 | 36.52 -1.44 0.00 | 46.97 -0.77 0.00 | 38.17 -0.60 0.00 | 40.12 0.17 0.00 | 49.31 1.02 0.00 | 49.73 -0.20 0.00 | 56.40 -0.71 0.00 | 86.84 -2.39 0.00 | 62.11 -2.83 0.00 | 58.37 -2.05 0.00 | 96.54 -4.04 0.00 | 64.65 -2.60 0.00 | 41.20 -1.73 0.00 | 37.57 -2.19 0.00 | 37.26 -2.00 0.00 |
| ARTHUR KILL_GT_1 23520 | 86.22 2.12 -12.26 | 57.72 1.30 -18.82 | 57.00 1.24 -19.37 | 56.92 1.28 -19.68 | 56.95 1.33 -16.68 | 57.42 1.61 -15.09 | 64.42 2.56 -9.42 | 73.71 3.53 -7.77 | 59.17 2.29 -19.71 | 59.08 1.86 -19.25 | 62.22 2.15 -12.32 | 58.80 1.94 -18.09 | 56.91 1.86 -15.10 | 62.39 2.09 -12.01 | 62.94 2.18 -10.82 | 66.54 2.84 -6.60 | 105.55 4.26 -12.05 | 100.88 3.74 -32.20 | 100.85 3.90 -36.52 | 106.66 6.05 -0.02 | 75.52 4.12 -4.15 | 63.17 2.66 -17.57 | 57.72 2.27 -15.69 | 56.94 1.90 -15.78 |
| ARTHUR_KILL_2 23512 | 86.04 1.94 -12.26 | 57.61 1.20 -18.82 | 56.90 1.14 -19.37 | 56.84 1.19 -19.68 | 56.84 1.22 -16.68 | 57.30 1.50 -15.09 | 64.26 2.40 -9.42 | 73.54 3.36 -7.77 | 59.07 2.18 -19.71 | 58.98 1.76 -19.25 | 62.09 2.02 -12.32 | 58.72 1.86 -18.09 | 56.83 1.78 -15.10 | 62.29 1.98 -12.01 | 62.84 2.08 -10.82 | 66.40 2.69 -6.60 | 105.28 3.99 -12.05 | 100.69 3.55 -32.20 | 100.66 3.72 -36.52 | 106.30 5.69 -0.02 | 75.29 3.90 -4.15 | 63.04 2.53 -17.57 | 57.60 2.15 -15.69 | 56.83 1.79 -15.78 |
| ARTHUR_KILL_3 23513 | 76.29 1.13 -3.33 | 57.20 0.79 -18.82 | 56.48 0.71 -19.37 | 56.41 0.78 -19.67 | 56.36 0.75 -16.67 | 56.85 1.04 -15.10 | 63.82 1.96 -9.42 | 73.20 3.01 -7.78 | 59.39 1.78 -20.44 | 58.59 1.37 -19.26 | 61.60 1.53 -12.32 | 58.32 1.45 -18.09 | 56.45 1.40 -15.10 | 61.84 1.54 -12.01 | 62.46 1.70 -10.83 | 65.97 2.27 -6.60 | 96.46 3.50 -3.73 | 100.29 3.15 -32.19 | 100.28 3.34 -36.52 | 105.69 5.09 -0.02 | 72.71 3.29 -2.17 | 62.57 2.07 -17.56 | 57.15 1.69 -15.70 | 56.34 1.29 -15.79 |

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| ARTHUR_KILL_COGEN 323718 | 86.22 2.12 -12.26 | 57.72 1.30 -18.82 | 57.00 1.24 -19.37 | 56.92 1.28 -19.68 | 56.95 1.33 -16.68 | 57.42 1.61 -15.09 | 64.42 2.56 -9.42 | 73.71 3.53 -7.77 | 59.17 2.29 -19.71 | 59.08 1.86 -19.25 | 62.22 2.15 -12.32 | 58.80 1.94 -18.09 | 56.91 1.86 -15.10 | 62.39 2.09 -12.01 | 62.94 2.18 -10.82 | 66.54 2.84 -6.60 | 105.55 4.26 -12.05 | 100.88 3.74 -32.20 | 100.85 3.90 -36.52 | 106.66 6.05 -0.02 | 75.52 4.12 -4.15 | 63.17 2.66 -17.57 | 57.72 2.27 -15.69 | 56.94 1.90 -15.78 |
| ASHOKAN____ 23654 | 73.90 2.06 0.00 | 38.87 1.28 0.00 | 37.66 1.26 0.00 | 37.27 1.30 0.00 | 40.30 1.36 0.00 | 42.41 1.70 0.00 | 55.17 2.73 0.00 | 66.23 3.82 0.00 | 39.27 2.10 0.00 | 39.40 1.44 0.00 | 49.19 1.44 0.00 | 39.73 0.96 0.00 | 40.99 1.04 0.00 | 49.10 0.81 0.00 | 50.72 0.79 0.00 | 58.43 1.32 0.00 | 92.78 3.55 0.00 | 68.21 3.26 0.00 | 64.06 3.64 0.00 | 106.51 5.92 0.00 | 71.05 3.80 0.00 | 45.21 2.27 0.00 | 41.69 1.94 0.00 | 40.85 1.59 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 73.06 1.22 0.00 | 38.51 0.91 0.00 | 37.28 0.88 0.00 | 36.88 0.92 0.00 | 39.78 0.84 0.00 | 41.89 1.17 0.00 | 54.57 2.13 0.00 | 65.72 3.31 0.00 | 39.24 2.02 -0.05 | 39.54 1.58 0.00 | 49.48 1.74 0.00 | 40.43 1.66 0.00 | 41.48 1.52 0.00 | 49.96 1.67 0.00 | 51.79 1.85 0.00 | 59.51 2.40 0.00 | 93.20 3.96 -0.01 | 68.32 3.38 0.00 | 63.98 3.56 0.01 | 106.31 5.63 -0.10 | 70.87 3.62 0.00 | 45.28 2.34 0.00 | 41.65 1.89 0.00 | 40.74 1.49 0.00 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 73.06 1.22 0.00 | 38.51 0.91 0.00 | 37.27 0.88 0.00 | 36.88 0.91 0.00 | 39.78 0.84 0.00 | 41.89 1.17 0.00 | 54.57 2.13 0.00 | 65.72 3.31 0.00 | 39.25 2.03 -0.05 | 39.54 1.58 0.00 | 49.48 1.74 0.00 | 40.43 1.66 0.00 | 41.48 1.52 0.00 | 49.96 1.67 0.00 | 51.79 1.85 0.00 | 59.51 2.40 0.00 | 93.20 3.96 -0.01 | 68.32 3.38 0.00 | 63.98 3.57 0.01 | 106.31 5.63 -0.10 | 70.87 3.62 0.00 | 45.28 2.34 0.00 | 41.65 1.89 0.00 | 40.74 1.49 0.00 |
| ASTORIA_GT2_1 24094 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT2_2 24095 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT2_3 24096 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT2_4 24097 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT3_1 24098 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT3_2 24099 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT3_3 24100 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT3_4 24101 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT4_1 24102 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT4_2 24103 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT4_3 24104 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |

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| ASTORIA_GT4_4 24105 | 73.08 1.24 0.00 | 38.54 0.95 0.00 | 37.31 0.91 0.00 | 36.91 0.94 0.00 | 39.79 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.34 0.00 | 39.26 2.04 -0.05 | 39.56 1.60 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.59 0.00 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.30 2.37 0.00 | 41.67 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA_GT_1 23523 | 73.21 1.37 0.00 | 38.58 0.99 0.00 | 37.34 0.95 0.00 | 36.95 0.98 0.00 | 39.86 0.92 0.00 | 41.97 1.25 0.00 | 54.71 2.27 0.00 | 65.87 3.46 0.00 | 39.33 2.11 -0.05 | 39.63 1.67 0.00 | 49.61 1.86 0.00 | 40.51 1.74 0.00 | 41.57 1.62 0.00 | 50.07 1.78 0.00 | 51.93 1.99 0.00 | 59.66 2.55 0.00 | 93.41 4.17 -0.01 | 68.47 3.53 0.00 | 64.13 3.71 0.01 | 106.58 5.89 -0.10 | 71.04 3.80 0.00 | 45.37 2.43 0.00 | 41.74 1.98 0.00 | 40.83 1.57 0.00 |
| ASTORIA_GT_10 24110 | 73.56 1.72 0.00 | 38.69 1.10 0.00 | 37.42 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.07 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.37 2.15 -0.05 | 39.69 1.73 0.00 | 49.71 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.04 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.23 3.81 0.00 | 106.39 5.80 0.00 | 71.04 3.80 0.00 | 45.37 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| ASTORIA_GT_11 24225 | 73.56 1.72 0.00 | 38.69 1.10 0.00 | 37.42 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.07 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.37 2.15 -0.05 | 39.69 1.73 0.00 | 49.71 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.04 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.23 3.81 0.00 | 106.39 5.80 0.00 | 71.04 3.80 0.00 | 45.37 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| ASTORIA_GT_12 24226 | 73.56 1.72 0.00 | 38.69 1.10 0.00 | 37.42 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.07 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.37 2.15 -0.05 | 39.69 1.73 0.00 | 49.71 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.04 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.23 3.81 0.00 | 106.39 5.80 0.00 | 71.04 3.80 0.00 | 45.37 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| ASTORIA_GT_13 24227 | 73.56 1.72 0.00 | 38.69 1.10 0.00 | 37.42 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.07 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.37 2.15 -0.05 | 39.69 1.73 0.00 | 49.71 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.04 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.23 3.81 0.00 | 106.39 5.80 0.00 | 71.04 3.80 0.00 | 45.37 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| ASTORIA_GT_5 24106 | 73.20 1.36 0.00 | 38.60 1.01 0.00 | 37.36 0.96 0.00 | 36.96 0.99 0.00 | 39.86 0.92 0.00 | 41.97 1.25 0.00 | 54.70 2.26 0.00 | 65.87 3.46 0.00 | 39.34 2.11 -0.05 | 39.63 1.67 0.00 | 49.61 1.87 0.00 | 40.51 1.74 0.00 | 41.57 1.62 0.00 | 50.07 1.78 0.00 | 51.93 1.99 0.00 | 59.66 2.55 0.00 | 93.41 4.18 -0.01 | 68.47 3.53 0.00 | 64.13 3.71 0.00 | 106.58 5.89 -0.10 | 71.04 3.80 0.00 | 45.38 2.44 0.00 | 41.74 1.98 0.00 | 40.83 1.57 0.00 |
| ASTORIA_GT_7 24107 | 73.20 1.36 0.00 | 38.60 1.01 0.00 | 37.36 0.96 0.00 | 36.96 0.99 0.00 | 39.86 0.92 0.00 | 41.97 1.25 0.00 | 54.70 2.26 0.00 | 65.87 3.46 0.00 | 39.34 2.11 -0.05 | 39.63 1.67 0.00 | 49.61 1.87 0.00 | 40.51 1.74 0.00 | 41.57 1.62 0.00 | 50.07 1.78 0.00 | 51.93 1.99 0.00 | 59.66 2.55 0.00 | 93.41 4.18 -0.01 | 68.47 3.53 0.00 | 64.13 3.71 0.00 | 106.58 5.89 -0.10 | 71.04 3.80 0.00 | 45.38 2.44 0.00 | 41.74 1.98 0.00 | 40.83 1.57 0.00 |
| ASTORIA_GT_8 24108 | 73.20 1.36 0.00 | 38.60 1.01 0.00 | 37.36 0.96 0.00 | 36.96 0.99 0.00 | 39.86 0.92 0.00 | 41.97 1.25 0.00 | 54.70 2.26 0.00 | 65.87 3.46 0.00 | 39.34 2.11 -0.05 | 39.63 1.67 0.00 | 49.61 1.87 0.00 | 40.51 1.74 0.00 | 41.57 1.62 0.00 | 50.07 1.78 0.00 | 51.93 1.99 0.00 | 59.66 2.55 0.00 | 93.41 4.18 -0.01 | 68.47 3.53 0.00 | 64.13 3.71 0.00 | 106.58 5.89 -0.10 | 71.04 3.80 0.00 | 45.38 2.44 0.00 | 41.74 1.98 0.00 | 40.83 1.57 0.00 |
| ASTORIA___2 24149 | 73.09 1.24 0.00 | 38.52 0.93 0.00 | 37.30 0.90 0.00 | 36.90 0.93 0.00 | 39.80 0.86 0.00 | 41.91 1.19 0.00 | 54.61 2.17 0.00 | 65.75 3.33 0.00 | 39.26 2.04 -0.05 | 39.56 1.59 0.00 | 49.51 1.77 0.00 | 40.44 1.67 0.00 | 41.50 1.55 0.00 | 49.98 1.68 0.00 | 51.83 1.89 0.00 | 59.55 2.44 0.00 | 93.24 4.00 -0.01 | 68.34 3.40 0.00 | 64.01 3.60 0.01 | 106.37 5.68 -0.10 | 70.91 3.66 0.00 | 45.29 2.36 0.00 | 41.68 1.92 0.00 | 40.76 1.51 0.00 |
| ASTORIA___3 23516 | 73.58 1.74 0.00 | 38.68 1.08 0.00 | 37.41 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.06 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.38 2.15 -0.05 | 39.70 1.73 0.00 | 49.72 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.03 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.24 3.82 0.00 | 106.39 5.80 0.00 | 71.04 3.80 0.00 | 45.36 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| ASTORIA___4 23517 | 73.56 1.72 0.00 | 38.69 1.10 0.00 | 37.42 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.07 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.37 2.15 -0.05 | 39.69 1.73 0.00 | 49.71 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.04 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.23 3.81 0.00 | 106.39 5.80 0.00 | 71.04 3.80 0.00 | 45.37 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| ASTORIA___5 23518 | 73.58 1.74 0.00 | 38.68 1.08 0.00 | 37.41 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.06 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.38 2.15 -0.05 | 39.70 1.73 0.00 | 49.72 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.03 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.24 3.82 0.00 | 106.38 5.79 0.00 | 71.04 3.80 0.00 | 45.36 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| AST_ENERGY_2_CC3 323677 | 73.28 1.44 0.00 | 38.55 0.96 0.00 | 37.27 0.88 0.00 | 36.89 0.93 0.00 | 39.85 0.91 0.00 | 41.90 1.18 0.00 | 54.60 2.16 0.00 | 65.64 3.22 0.00 | 39.13 1.96 0.00 | 39.54 1.58 0.00 | 49.53 1.79 0.00 | 40.42 1.65 0.00 | 41.54 1.59 0.00 | 50.04 1.75 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.09 3.86 0.00 | 68.34 3.39 0.00 | 64.04 3.62 0.00 | 106.14 5.55 0.00 | 70.80 3.56 0.00 | 45.20 2.26 0.00 | 41.63 1.87 0.00 | 40.73 1.48 0.00 |
| AST_ENERGY_2_CC4 323678 | 73.28 1.44 0.00 | 38.55 0.96 0.00 | 37.27 0.88 0.00 | 36.89 0.93 0.00 | 39.85 0.91 0.00 | 41.90 1.18 0.00 | 54.60 2.16 0.00 | 65.64 3.22 0.00 | 39.13 1.96 0.00 | 39.54 1.58 0.00 | 49.53 1.79 0.00 | 40.42 1.65 0.00 | 41.54 1.59 0.00 | 50.04 1.75 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.09 3.86 0.00 | 68.34 3.39 0.00 | 64.04 3.62 0.00 | 106.14 5.55 0.00 | 70.80 3.56 0.00 | 45.20 2.26 0.00 | 41.63 1.87 0.00 | 40.73 1.48 0.00 |

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|--------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|--------------------------|
| ATHENS_STG_1 23668 | 72.07 0.23 0.00 | 37.92 0.33 0.00 | 36.73 0.34 0.00 | 36.36 0.39 0.00 | 39.28 0.34 0.00 | 41.22 0.50 0.00 | 53.43 0.99 0.00 | 64.01 1.60 0.00 | 38.14 0.96 0.00 | 38.62 0.66 0.00 | 48.41 0.67 0.00 | 39.37 0.61 0.00 | 40.48 0.53 0.00 | 48.81 0.52 0.00 | 50.53 0.59 0.00 | 58.03 0.92 0.00 | 90.86 1.63 0.00 | 66.63 1.69 0.00 | 62.34 1.92 0.00 | 103.34 2.76 0.00 | 69.06 1.81 0.00 | 44.09 1.16 0.00 | 40.75 1.00 0.00 | 40.03 0.78 0.00 |
| ATHENS_STG_2 23670 | 72.07 0.23 0.00 | 37.92 0.33 0.00 | 36.73 0.34 0.00 | 36.36 0.39 0.00 | 39.28 0.34 0.00 | 41.22 0.50 0.00 | 53.43 0.99 0.00 | 64.01 1.60 0.00 | 38.14 0.96 0.00 | 38.62 0.66 0.00 | 48.41 0.67 0.00 | 39.37 0.61 0.00 | 40.48 0.53 0.00 | 48.81 0.52 0.00 | 50.53 0.59 0.00 | 58.03 0.92 0.00 | 90.86 1.63 0.00 | 66.63 1.69 0.00 | 62.34 1.92 0.00 | 103.34 2.76 0.00 | 69.06 1.81 0.00 | 44.09 1.16 0.00 | 40.75 1.00 0.00 | 40.03 0.78 0.00 |
| ATHENS_STG_3 23677 | 72.07 0.23 0.00 | 37.92 0.33 0.00 | 36.73 0.34 0.00 | 36.36 0.39 0.00 | 39.28 0.34 0.00 | 41.22 0.50 0.00 | 53.43 0.99 0.00 | 64.01 1.60 0.00 | 38.14 0.96 0.00 | 38.62 0.66 0.00 | 48.41 0.67 0.00 | 39.37 0.61 0.00 | 40.48 0.53 0.00 | 48.81 0.52 0.00 | 50.53 0.59 0.00 | 58.03 0.92 0.00 | 90.86 1.63 0.00 | 66.63 1.69 0.00 | 62.34 1.92 0.00 | 103.34 2.76 0.00 | 69.06 1.81 0.00 | 44.09 1.16 0.00 | 40.75 1.00 0.00 | 40.03 0.78 0.00 |
| AUBURN___LFGE 323710 | 72.18 0.34 0.00 | 37.65 0.05 0.00 | 36.46 0.07 0.00 | 36.02 0.05 0.00 | 39.06 0.12 0.00 | 40.84 0.12 0.00 | 52.78 0.34 0.00 | 62.56 0.15 0.00 | 37.23 0.05 0.00 | 38.20 0.24 0.00 | 48.31 0.57 0.00 | 39.15 0.38 0.00 | 40.44 0.49 0.00 | 48.99 0.70 0.00 | 50.69 0.76 0.00 | 57.73 0.62 0.00 | 90.13 0.89 0.00 | 65.55 0.61 0.00 | 60.98 0.56 0.00 | 101.35 0.76 0.00 | 67.75 0.51 0.00 | 43.15 0.22 0.00 | 39.84 0.08 0.00 | 39.53 0.27 0.00 |
| BABYLON_RES_REC 323704 | 83.26 2.40 -9.02 | 51.66 1.51 -12.56 | 37.74 1.34 0.00 | 37.30 1.34 0.00 | 40.41 1.46 0.00 | 53.38 1.72 -10.94 | 92.30 2.71 -37.16 | 99.70 3.71 -33.58 | 42.19 2.17 -2.85 | 42.39 1.82 -2.60 | 49.85 2.10 0.00 | 40.43 1.66 0.00 | 41.33 1.38 0.00 | 49.74 1.44 0.00 | 51.87 1.93 0.00 | 72.95 2.80 -13.04 | 109.74 3.95 -16.57 | 106.51 3.87 -37.69 | 101.70 4.07 -37.21 | 152.05 6.50 -44.96 | 90.82 4.38 -19.18 | 87.22 2.69 -41.60 | 54.87 2.22 -12.89 | 54.50 1.88 -13.37 |
| BABYLON__69_KV_BK2 356345 | 83.76 3.08 -8.84 | 51.74 1.84 -12.31 | 38.05 1.65 0.00 | 37.60 1.63 0.00 | 40.72 1.78 0.00 | 53.51 2.07 -10.72 | 92.01 3.16 -36.40 | 99.50 4.18 -32.90 | 42.41 2.45 -2.79 | 42.63 2.11 -2.55 | 50.20 2.45 0.00 | 40.71 1.94 0.00 | 41.57 1.62 0.00 | 50.02 1.73 0.00 | 52.22 2.28 0.00 | 73.14 3.27 -12.77 | 110.10 4.64 -16.23 | 106.27 4.39 -36.93 | 101.48 4.57 -36.49 | 151.98 7.38 -44.01 | 91.07 5.04 -18.78 | 86.82 3.15 -40.73 | 54.99 2.61 -12.62 | 54.58 2.24 -13.09 |
| BALL_HILL_WT_PWR 323825 | 71.85 0.00 0.00 | 36.82 -0.77 0.00 | 35.50 -0.90 0.00 | 35.10 -0.87 0.00 | 37.96 -0.98 0.00 | 39.58 -1.14 0.00 | 51.06 -1.38 0.00 | 59.14 -3.27 0.00 | 35.25 -1.92 0.00 | 36.91 -1.05 0.00 | 47.43 -0.32 0.00 | 38.47 -0.30 0.00 | 40.22 0.26 0.00 | 49.13 0.84 0.00 | 50.29 0.35 0.00 | 57.04 -0.07 0.00 | 88.08 -1.15 0.00 | 62.94 -2.00 0.00 | 59.03 -1.39 0.00 | 97.71 -2.87 0.00 | 65.54 -1.71 0.00 | 41.74 -1.20 0.00 | 38.12 -1.65 0.00 | 37.77 -1.49 0.00 |
| BARON_WINDS___WT_PWR 323822 | 71.13 -0.71 0.00 | 36.70 -0.88 0.00 | 35.41 -0.99 0.00 | 34.83 -1.14 0.00 | 37.88 -1.06 0.00 | 39.43 -1.29 0.00 | 50.81 -1.63 0.00 | 59.46 -2.95 0.00 | 34.96 -2.21 0.00 | 36.37 -1.60 0.00 | 46.22 -1.52 0.00 | 37.11 -1.66 0.00 | 38.69 -1.26 0.00 | 47.01 -1.28 0.00 | 48.45 -1.48 0.00 | 54.89 -2.22 0.00 | 84.70 -4.54 0.00 | 61.13 -3.82 0.00 | 57.65 -2.77 0.00 | 95.82 -4.76 0.00 | 64.13 -3.12 0.00 | 40.66 -2.27 0.00 | 37.30 -2.46 0.00 | 37.02 -2.23 0.00 |
| BARRETT_IC_1 23704 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.94 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.62 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |
| BARRETT_IC_10 23701 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.61 3.30 -32.90 | 48.95 2.01 -9.78 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.48 2.81 -15.43 | 104.81 3.19 -36.68 | 99.65 3.53 -35.70 | 146.02 5.22 -40.21 | 103.71 3.71 -32.75 | 127.63 2.23 -82.46 | 94.63 1.92 -52.95 | 135.43 1.66 -94.52 |
| BARRETT_IC_11 23702 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.61 3.30 -32.90 | 48.95 2.01 -9.78 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.48 2.81 -15.43 | 104.81 3.19 -36.68 | 99.65 3.53 -35.70 | 146.02 5.22 -40.21 | 103.71 3.71 -32.75 | 127.63 2.23 -82.46 | 94.63 1.92 -52.95 | 135.43 1.66 -94.52 |
| BARRETT_IC_12 23703 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.61 3.30 -32.90 | 48.95 2.01 -9.78 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.48 2.81 -15.43 | 104.81 3.19 -36.68 | 99.65 3.53 -35.70 | 146.02 5.22 -40.21 | 103.71 3.71 -32.75 | 127.63 2.23 -82.46 | 94.63 1.92 -52.95 | 135.43 1.66 -94.52 |
| BARRETT_IC_2 23705 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.94 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.62 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |
| BARRETT_IC_3 23706 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.94 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.62 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |
| BARRETT_IC_4 23707 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.94 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.62 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |

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| BARRETT_IC_5 23708 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.94 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.62 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |
| BARRETT_IC_6 23709 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.94 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.62 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |
| BARRETT_IC_7 23710 | 89.67 1.95 -15.88 | 51.10 1.25 -12.26 | 37.56 1.16 0.00 | 37.15 1.19 0.00 | 40.26 1.31 0.00 | 81.68 1.47 -39.49 | 132.57 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.15 2.33 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.93 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.63 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |
| BARRETT_IC_8 23711 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.94 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.62 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |
| BARRETT_IC_9 23700 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.61 3.30 -32.90 | 48.95 2.01 -9.78 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.48 2.81 -15.43 | 104.81 3.19 -36.68 | 99.65 3.53 -35.70 | 146.02 5.22 -40.21 | 103.71 3.71 -32.75 | 127.63 2.23 -82.46 | 94.63 1.92 -52.95 | 135.43 1.66 -94.52 |
| BARRETT___1 23545 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.95 3.30 -33.24 | 68.40 2.01 -29.22 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.77 2.81 -15.72 | 104.81 3.19 -36.68 | 99.94 3.53 -35.99 | 151.56 5.22 -45.75 | 143.84 3.71 -72.89 | 246.62 2.23 -201.46 | 168.77 1.92 -127.08 | 135.43 1.66 -94.52 |
| BARRETT___2 23546 | 89.67 1.95 -15.88 | 51.11 1.25 -12.26 | 37.56 1.16 0.00 | 37.16 1.19 0.00 | 40.26 1.32 0.00 | 81.69 1.48 -39.49 | 132.56 2.30 -77.82 | 98.61 3.30 -32.90 | 48.95 2.01 -9.78 | 42.20 1.70 -2.54 | 49.80 2.03 -0.02 | 40.49 1.72 0.00 | 41.42 1.47 0.00 | 49.88 1.59 0.00 | 51.90 1.96 0.00 | 72.13 2.30 -12.72 | 107.48 2.81 -15.43 | 104.81 3.19 -36.68 | 99.65 3.53 -35.70 | 146.02 5.22 -40.21 | 103.71 3.71 -32.75 | 127.63 2.23 -82.46 | 94.63 1.92 -52.95 | 135.43 1.66 -94.52 |
| BATAVIA__115KV_TB1 55881 | 72.53 0.68 0.00 | 37.36 -0.23 0.00 | 36.21 -0.19 0.00 | 35.68 -0.29 0.00 | 38.74 -0.20 0.00 | 40.50 -0.22 0.00 | 52.19 -0.25 0.00 | 60.68 -1.74 0.00 | 36.31 -0.86 0.00 | 38.16 0.19 0.00 | 48.77 1.03 0.00 | 39.33 0.56 0.00 | 41.00 1.04 0.00 | 50.15 1.85 0.00 | 52.13 2.19 0.00 | 59.10 1.99 0.00 | 91.28 2.05 0.00 | 65.27 0.33 0.00 | 60.84 0.42 0.00 | 101.23 0.64 0.00 | 67.84 0.60 0.00 | 43.29 0.35 0.00 | 39.77 0.00 0.00 | 39.27 0.01 0.00 |
| BAYONEEC___CTG1 323682 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BAYONEEC___CTG10 323750 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BAYONEEC___CTG2 323683 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BAYONEEC___CTG3 323684 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BAYONEEC___CTG4 323685 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BAYONEEC___CTG5 323686 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BAYONEEC___CTG6 323687 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BAYONEEC___CTG7 323688 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BAYONEEC___CTG8 323689 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BAYONEEC___CTG9 323749 | 73.24 1.40 0.00 | 38.52 0.93 0.00 | 37.25 0.86 0.00 | 36.88 0.91 0.00 | 39.84 0.90 0.00 | 41.90 1.18 0.00 | 54.58 2.14 0.00 | 65.62 3.21 0.00 | 39.11 1.94 0.00 | 39.51 1.55 0.00 | 49.51 1.76 0.00 | 40.40 1.63 0.00 | 41.52 1.57 0.00 | 50.02 1.72 0.00 | 51.83 1.90 0.00 | 59.60 2.49 0.00 | 93.05 3.82 0.00 | 68.31 3.36 0.00 | 64.02 3.60 0.00 | 106.06 5.47 0.00 | 70.79 3.54 0.00 | 45.18 2.24 0.00 | 41.61 1.85 0.00 | 40.71 1.46 0.00 |
| BEACON___LESR 323632 | 71.70 -0.14 0.00 | 37.91 0.32 0.00 | 36.67 0.27 0.00 | 36.32 0.35 0.00 | 39.08 0.14 0.00 | 41.14 0.43 0.00 | 53.49 1.05 0.00 | 63.96 1.55 0.00 | 38.03 0.86 0.00 | 38.49 0.52 0.00 | 48.18 0.44 0.00 | 39.15 0.38 0.00 | 40.32 0.37 0.00 | 48.57 0.28 0.00 | 50.18 0.24 0.00 | 57.59 0.48 0.00 | 91.07 1.84 0.00 | 66.81 1.86 0.00 | 62.42 2.01 0.00 | 103.61 3.02 0.00 | 69.02 1.77 0.00 | 44.10 1.17 0.00 | 40.85 1.09 0.00 | 40.15 0.89 0.00 |
| BEAVER RIVER___HYD 24048 | 72.49 0.65 0.00 | 37.74 0.15 0.00 | 36.50 0.10 0.00 | 36.12 0.15 0.00 | 39.26 0.32 0.00 | 41.22 0.50 0.00 | 53.59 1.15 0.00 | 63.59 1.18 0.00 | 37.40 0.22 0.00 | 37.52 -0.45 0.00 | 46.58 -1.16 0.00 | 37.89 -0.88 0.00 | 38.89 -1.07 0.00 | 47.45 -0.84 0.00 | 48.82 -1.12 0.00 | 56.07 -1.04 0.00 | 87.61 -1.62 0.00 | 63.65 -1.30 0.00 | 59.21 -1.21 0.00 | 100.54 -0.04 0.00 | 67.55 0.31 0.00 | 42.02 -0.92 0.00 | 38.96 -1.10 -0.31 | 38.46 -1.40 -0.61 |
| BEEBEE_GT_13 23619 | 71.77 -0.07 0.00 | 37.15 -0.44 0.00 | 35.98 -0.41 0.00 | 35.49 -0.47 0.00 | 38.50 -0.44 0.00 | 40.21 -0.51 0.00 | 51.86 -0.58 0.00 | 60.79 -1.62 0.00 | 36.35 -0.82 0.00 | 37.84 -0.12 0.00 | 48.12 0.37 0.00 | 38.90 0.13 0.00 | 40.40 0.45 0.00 | 49.15 0.86 0.00 | 50.94 1.00 0.00 | 57.96 0.85 0.00 | 89.93 0.70 0.00 | 64.71 -0.23 0.00 | 60.33 -0.09 0.00 | 100.38 -0.21 0.00 | 67.27 0.02 0.00 | 42.92 -0.01 0.00 | 39.47 -0.29 0.00 | 39.00 -0.26 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 86.70 2.60 -12.26 | 57.94 1.52 -18.82 | 57.20 1.43 -19.37 | 57.12 1.47 -19.68 | 57.13 1.51 -16.68 | 57.67 1.86 -15.09 | 64.86 3.00 -9.42 | 74.34 4.16 -7.77 | 59.49 2.60 -19.71 | 59.42 2.20 -19.25 | 62.66 2.59 -12.32 | 59.17 2.31 -18.09 | 57.30 2.25 -15.10 | 62.85 2.54 -12.01 | 63.48 2.72 -10.82 | 67.15 3.45 -6.60 | 106.57 5.29 -12.05 | 101.58 4.44 -32.20 | 101.53 4.58 -36.52 | 107.77 7.16 -0.02 | 76.12 4.73 -4.15 | 63.53 3.02 -17.57 | 58.00 2.55 -15.69 | 57.16 2.13 -15.78 |
| BETHLEHEM___GRP 23843 | 70.47 -1.37 0.00 | 37.28 -0.31 0.00 | 36.14 -0.26 0.00 | 35.76 -0.20 0.00 | 38.57 -0.36 0.00 | 40.40 -0.31 0.00 | 52.36 -0.08 0.00 | 62.76 0.35 0.00 | 37.32 0.15 0.00 | 37.89 -0.08 0.00 | 47.41 -0.34 0.00 | 38.58 -0.19 0.00 | 39.66 -0.29 0.00 | 47.82 -0.47 0.00 | 49.38 -0.56 0.00 | 56.70 -0.40 0.00 | 89.35 0.11 0.00 | 65.60 0.66 0.00 | 61.23 0.81 0.00 | 101.50 0.92 0.00 | 67.76 0.51 0.00 | 43.23 0.30 0.00 | 40.12 0.36 0.00 | 39.47 0.21 0.00 |
| BETHLEHEM___GS1 323560 | 70.48 -1.36 0.00 | 37.28 -0.31 0.00 | 36.14 -0.26 0.00 | 35.76 -0.21 0.00 | 38.57 -0.36 0.00 | 40.40 -0.31 0.00 | 52.36 -0.08 0.00 | 62.76 0.35 0.00 | 37.32 0.15 0.00 | 37.89 -0.08 0.00 | 47.41 -0.33 0.00 | 38.58 -0.19 0.00 | 39.66 -0.29 0.00 | 47.82 -0.47 0.00 | 49.37 -0.56 0.00 | 56.71 -0.40 0.00 | 89.35 0.12 0.00 | 65.60 0.66 0.00 | 61.23 0.81 0.00 | 101.50 0.91 0.00 | 67.76 0.51 0.00 | 43.23 0.30 0.00 | 40.12 0.36 0.00 | 39.47 0.22 0.00 |
| BETHLEHEM___GS2 323561 | 70.48 -1.36 0.00 | 37.28 -0.31 0.00 | 36.14 -0.26 0.00 | 35.76 -0.21 0.00 | 38.57 -0.36 0.00 | 40.40 -0.31 0.00 | 52.36 -0.08 0.00 | 62.76 0.35 0.00 | 37.32 0.15 0.00 | 37.89 -0.08 0.00 | 47.41 -0.33 0.00 | 38.58 -0.19 0.00 | 39.66 -0.29 0.00 | 47.82 -0.47 0.00 | 49.37 -0.56 0.00 | 56.71 -0.40 0.00 | 89.35 0.12 0.00 | 65.60 0.66 0.00 | 61.23 0.81 0.00 | 101.50 0.91 0.00 | 67.76 0.51 0.00 | 43.23 0.30 0.00 | 40.12 0.36 0.00 | 39.47 0.22 0.00 |
| BETHLEHEM___GS3 323562 | 70.48 -1.36 0.00 | 37.28 -0.31 0.00 | 36.14 -0.26 0.00 | 35.76 -0.21 0.00 | 38.57 -0.36 0.00 | 40.40 -0.31 0.00 | 52.36 -0.08 0.00 | 62.76 0.35 0.00 | 37.32 0.15 0.00 | 37.89 -0.08 0.00 | 47.41 -0.33 0.00 | 38.58 -0.19 0.00 | 39.66 -0.29 0.00 | 47.82 -0.47 0.00 | 49.37 -0.56 0.00 | 56.71 -0.40 0.00 | 89.35 0.12 0.00 | 65.60 0.66 0.00 | 61.23 0.81 0.00 | 101.50 0.91 0.00 | 67.76 0.51 0.00 | 43.23 0.30 0.00 | 40.12 0.36 0.00 | 39.47 0.22 0.00 |
| BETHLEHEM___STEEL 23779 | 71.40 -0.44 0.00 | 36.70 -0.89 0.00 | 35.56 -0.84 0.00 | 35.01 -0.95 0.00 | 37.99 -0.95 0.00 | 39.58 -1.14 0.00 | 50.85 -1.59 0.00 | 58.89 -3.52 0.00 | 35.34 -1.83 0.00 | 37.27 -0.69 0.00 | 47.90 0.15 0.00 | 38.65 -0.12 0.00 | 40.27 0.31 0.00 | 49.17 0.88 0.00 | 50.96 1.03 0.00 | 57.76 0.65 0.00 | 89.16 -0.08 0.00 | 63.57 -1.37 0.00 | 59.35 -1.06 0.00 | 98.63 -1.96 0.00 | 66.21 -1.04 0.00 | 42.35 -0.58 0.00 | 38.77 -0.99 0.00 | 38.44 -0.82 0.00 |
| BETHLHEM_115KV_TB1 79974 | 70.74 -1.10 0.00 | 37.40 -0.19 0.00 | 36.24 -0.15 0.00 | 35.87 -0.10 0.00 | 38.70 -0.24 0.00 | 40.55 -0.17 0.00 | 52.54 0.09 0.00 | 62.95 0.54 0.00 | 37.45 0.28 0.00 | 38.00 0.04 0.00 | 47.56 -0.19 0.00 | 38.70 -0.07 0.00 | 39.78 -0.17 0.00 | 47.97 -0.32 0.00 | 49.55 -0.39 0.00 | 56.89 -0.22 0.00 | 89.63 0.39 0.00 | 65.78 0.84 0.00 | 61.40 0.98 0.00 | 101.79 1.21 0.00 | 67.96 0.72 0.00 | 43.37 0.44 0.00 | 40.23 0.47 0.00 | 39.58 0.32 0.00 |
| BETHPAGE_CC_5 323564 | 83.91 2.27 -9.80 | 52.39 1.47 -13.33 | 37.70 1.31 0.00 | 37.29 1.33 0.00 | 40.38 1.44 0.00 | 54.87 1.62 -12.54 | 95.79 2.57 -40.77 | 101.62 3.57 -35.65 | 42.97 2.13 -3.67 | 42.58 1.86 -2.76 | 49.88 2.13 0.00 | 40.53 1.76 0.00 | 41.46 1.50 0.00 | 49.92 1.63 0.00 | 52.03 2.09 0.00 | 73.77 2.84 -13.83 | 110.76 3.95 -17.57 | 108.66 3.71 -40.00 | 103.92 3.94 -39.55 | 154.79 6.31 -47.90 | 93.79 4.19 -22.35 | 95.55 2.58 -50.03 | 59.88 2.16 -17.96 | 59.05 1.85 -17.95 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 71.56 -0.28 0.00 | 36.79 -0.80 0.00 | 35.63 -0.76 0.00 | 35.10 -0.87 0.00 | 38.07 -0.87 0.00 | 39.67 -1.05 0.00 | 51.00 -1.44 0.00 | 59.10 -3.31 0.00 | 35.44 -1.74 0.00 | 37.37 -0.59 0.00 | 48.02 0.28 0.00 | 38.73 -0.03 0.00 | 40.35 0.40 0.00 | 49.27 0.97 0.00 | 51.07 1.14 0.00 | 57.85 0.74 0.00 | 89.24 0.01 0.00 | 63.65 -1.30 0.00 | 59.44 -0.98 0.00 | 98.74 -1.84 0.00 | 66.29 -0.96 0.00 | 42.38 -0.55 0.00 | 38.80 -0.96 0.00 | 38.46 -0.80 0.00 |

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| BINGHAMTON___COGEN 23790 | 71.90 0.06 0.00 | 37.43 -0.16 0.00 | 36.23 -0.16 0.00 | 35.83 -0.14 0.00 | 38.81 -0.13 0.00 | 40.60 -0.12 0.00 | 52.55 0.11 0.00 | 62.38 -0.03 0.00 | 37.16 -0.01 0.00 | 38.26 0.30 0.00 | 48.62 0.88 0.00 | 39.39 0.62 0.00 | 40.57 0.62 0.00 | 49.07 0.77 0.00 | 50.85 0.92 0.00 | 57.77 0.66 0.00 | 89.60 0.37 0.00 | 65.00 0.06 0.00 | 60.84 0.41 0.00 | 100.94 0.36 0.00 | 67.48 0.24 0.00 | 42.99 0.05 0.00 | 39.61 -0.15 0.00 | 39.11 -0.15 0.00 |
| BIXINCNT_115KV_LOAD 355685 | 72.42 0.58 0.00 | 37.23 -0.36 0.00 | 35.86 -0.53 0.00 | 35.38 -0.59 0.00 | 38.29 -0.65 0.00 | 39.76 -0.95 0.00 | 51.35 -1.09 0.00 | 59.58 -2.83 0.00 | 35.37 -1.80 0.00 | 37.29 -0.67 0.00 | 47.88 0.13 0.00 | 38.56 -0.21 0.00 | 40.41 0.46 0.00 | 49.16 0.87 0.00 | 50.80 0.87 0.00 | 56.47 -0.64 0.00 | 86.29 -2.94 0.00 | 61.62 -3.32 0.00 | 57.37 -3.05 0.00 | 95.25 -5.34 0.00 | 64.09 -3.16 0.00 | 40.82 -2.12 0.00 | 37.29 -2.47 0.00 | 37.07 -2.19 0.00 |
| BLACK RIVER___HYD 24047 | 72.76 0.92 0.00 | 37.85 0.26 0.00 | 36.61 0.21 0.00 | 36.23 0.27 0.00 | 39.43 0.49 0.00 | 41.44 0.72 0.00 | 54.05 1.61 0.00 | 64.07 1.66 0.00 | 37.57 0.40 0.00 | 37.42 -0.54 0.00 | 46.27 -1.48 0.00 | 37.80 -0.97 0.00 | 38.82 -1.13 0.00 | 47.47 -0.82 0.00 | 48.95 -0.99 0.00 | 56.35 -0.76 0.00 | 87.92 -1.31 0.00 | 63.90 -1.04 0.00 | 59.63 -0.79 0.00 | 101.45 0.86 0.00 | 68.36 1.11 0.00 | 42.20 -0.73 0.00 | 38.97 -1.00 -0.21 | 38.37 -1.31 -0.43 |
| BLACKRVR_115KV_TB2 79977 | 72.76 0.92 0.00 | 37.85 0.26 0.00 | 36.61 0.21 0.00 | 36.23 0.27 0.00 | 39.43 0.49 0.00 | 41.44 0.72 0.00 | 54.05 1.61 0.00 | 64.07 1.66 0.00 | 37.57 0.40 0.00 | 37.42 -0.54 0.00 | 46.27 -1.48 0.00 | 37.80 -0.97 0.00 | 38.82 -1.14 0.00 | 47.47 -0.82 0.00 | 48.95 -0.99 0.00 | 56.35 -0.76 0.00 | 87.92 -1.31 0.00 | 63.90 -1.04 0.00 | 59.63 -0.79 0.00 | 101.45 0.86 0.00 | 68.36 1.11 0.00 | 42.20 -0.74 0.00 | 38.97 -1.00 -0.21 | 38.37 -1.31 -0.43 |
| BLISS_WT_PWR 323608 | 72.42 0.58 0.00 | 37.23 -0.36 0.00 | 35.82 -0.57 0.00 | 35.34 -0.63 0.00 | 38.23 -0.71 0.00 | 39.67 -1.05 0.00 | 51.27 -1.17 0.00 | 59.42 -2.99 0.00 | 35.19 -1.99 0.00 | 37.12 -0.84 0.00 | 47.67 -0.07 0.00 | 38.34 -0.43 0.00 | 40.24 0.28 0.00 | 48.94 0.64 0.00 | 50.53 0.59 0.00 | 55.86 -1.25 0.00 | 85.11 -4.12 0.00 | 60.82 -4.12 0.00 | 56.57 -3.85 0.00 | 93.91 -6.68 0.00 | 63.29 -3.96 0.00 | 40.28 -2.66 0.00 | 36.76 -3.00 0.00 | 36.57 -2.69 0.00 |
| BLUESTONE___WT_PWR 323821 | 74.07 2.23 0.00 | 38.91 1.32 0.00 | 37.73 1.33 0.00 | 37.44 1.48 0.00 | 40.40 1.46 0.00 | 42.49 1.77 0.00 | 54.91 2.46 0.00 | 65.39 2.98 0.00 | 38.52 1.35 0.00 | 38.78 0.81 0.00 | 49.43 1.68 0.00 | 40.00 1.23 0.00 | 40.76 0.81 0.00 | 48.88 0.59 0.00 | 50.22 0.29 0.00 | 57.07 -0.04 0.00 | 87.92 -1.31 0.00 | 63.69 -1.25 0.00 | 59.07 -1.35 0.00 | 98.43 -2.15 0.00 | 65.62 -1.62 0.00 | 41.66 -1.28 0.00 | 38.29 -1.47 0.00 | 37.63 -1.63 0.00 |
| BLUE_CIRC_CHEM_DRP 24182 | 71.79 -0.05 0.00 | 37.85 0.26 0.00 | 36.71 0.31 0.00 | 36.32 0.36 0.00 | 39.23 0.29 0.00 | 41.12 0.41 0.00 | 53.23 0.79 0.00 | 63.66 1.25 0.00 | 37.75 0.58 0.00 | 38.14 0.18 0.00 | 47.84 0.09 0.00 | 38.88 0.11 0.00 | 39.98 0.03 0.00 | 48.28 -0.01 0.00 | 49.94 0.00 0.00 | 57.37 0.27 0.00 | 90.52 1.29 0.00 | 66.41 1.47 0.00 | 62.04 1.62 0.00 | 102.89 2.31 0.00 | 68.71 1.46 0.00 | 43.87 0.94 0.00 | 40.65 0.89 0.00 | 40.02 0.77 0.00 |
| BOC_GAS_DRP 24189 | 71.45 -0.39 0.00 | 37.66 0.07 0.00 | 36.49 0.09 0.00 | 36.11 0.14 0.00 | 38.99 0.06 0.00 | 40.88 0.16 0.00 | 52.93 0.49 0.00 | 63.36 0.95 0.00 | 37.73 0.56 0.00 | 38.26 0.30 0.00 | 47.95 0.20 0.00 | 39.00 0.23 0.00 | 40.11 0.16 0.00 | 48.37 0.08 0.00 | 50.03 0.09 0.00 | 57.42 0.31 0.00 | 90.17 0.94 0.00 | 66.09 1.15 0.00 | 61.73 1.31 0.00 | 102.37 1.79 0.00 | 68.38 1.13 0.00 | 43.67 0.73 0.00 | 40.45 0.69 0.00 | 39.78 0.52 0.00 |
| BOONVILLE_115KV_TB1 79983 | 73.23 1.39 0.00 | 38.20 0.61 0.00 | 36.97 0.58 0.00 | 36.57 0.61 0.00 | 39.66 0.72 0.00 | 41.62 0.90 0.00 | 54.00 1.55 0.00 | 64.21 1.80 0.00 | 37.96 0.78 0.00 | 38.43 0.46 0.00 | 48.18 0.43 0.00 | 39.06 0.29 0.00 | 40.05 0.10 0.00 | 48.77 0.48 0.00 | 50.26 0.32 0.00 | 57.69 0.58 0.00 | 90.23 1.00 0.00 | 65.66 0.72 0.00 | 61.18 0.76 0.00 | 102.76 2.18 0.00 | 68.76 1.52 0.00 | 43.35 0.41 0.00 | 40.10 0.22 -0.12 | 39.51 0.02 -0.24 |
| BORALEX_4TH_BRANCH 23824 | 71.94 0.10 0.00 | 38.06 0.46 0.00 | 37.00 0.60 0.00 | 36.62 0.66 0.00 | 39.53 0.59 0.00 | 41.48 0.76 0.00 | 53.85 1.41 0.00 | 64.59 2.18 0.00 | 38.43 1.25 0.00 | 38.83 0.87 0.00 | 48.56 0.82 0.00 | 39.36 0.59 0.00 | 40.51 0.56 0.00 | 48.80 0.51 0.00 | 50.49 0.56 0.00 | 58.12 1.02 0.00 | 91.26 2.03 0.00 | 67.39 2.45 0.00 | 63.26 2.84 0.00 | 104.85 4.27 0.00 | 69.95 2.71 0.00 | 44.57 1.64 0.00 | 41.45 1.69 0.00 | 40.85 1.60 0.00 |
| BOWLINE___1 23526 | 72.64 0.79 0.00 | 38.15 0.56 0.00 | 36.88 0.48 0.00 | 36.54 0.57 0.00 | 39.50 0.56 0.00 | 41.55 0.84 0.00 | 54.08 1.63 0.00 | 64.90 2.49 0.00 | 38.58 1.40 0.00 | 38.96 0.99 0.00 | 48.79 1.04 0.00 | 39.78 1.01 0.00 | 40.91 0.96 0.00 | 49.32 1.03 0.00 | 51.15 1.22 0.00 | 58.88 1.78 0.00 | 92.03 2.80 0.00 | 67.48 2.54 0.00 | 63.17 2.75 0.00 | 104.77 4.18 0.00 | 70.01 2.76 0.00 | 44.63 1.69 0.00 | 41.16 1.40 0.00 | 40.28 1.03 0.00 |
| BOWLINE___2 23595 | 72.64 0.79 0.00 | 38.15 0.56 0.00 | 36.88 0.48 0.00 | 36.54 0.57 0.00 | 39.50 0.56 0.00 | 41.55 0.83 0.00 | 54.07 1.63 0.00 | 64.89 2.48 0.00 | 38.57 1.40 0.00 | 38.95 0.98 0.00 | 48.78 1.04 0.00 | 39.77 1.00 0.00 | 40.91 0.96 0.00 | 49.31 1.02 0.00 | 51.14 1.20 0.00 | 58.87 1.76 0.00 | 92.02 2.78 0.00 | 67.48 2.54 0.00 | 63.17 2.75 0.00 | 104.77 4.18 0.00 | 70.01 2.76 0.00 | 44.64 1.70 0.00 | 41.16 1.40 0.00 | 40.28 1.03 0.00 |
| BRADY___115KV_TB2 356060 | 74.74 2.90 0.00 | 38.97 1.38 0.00 | 37.72 1.32 0.00 | 37.22 1.25 0.00 | 40.33 1.39 0.00 | 42.10 1.38 0.00 | 54.23 1.79 0.00 | 64.20 1.79 0.00 | 37.91 0.74 0.00 | 38.63 0.67 0.00 | 48.37 0.62 0.00 | 39.20 0.43 0.00 | 40.67 0.72 0.00 | 49.15 0.86 0.00 | 50.88 0.95 0.00 | 58.24 1.13 0.00 | 91.19 1.96 0.00 | 66.21 1.26 0.00 | 61.31 0.89 0.00 | 102.82 2.24 0.00 | 68.80 1.56 0.00 | 43.84 0.90 0.00 | 40.90 0.75 -0.39 | 40.78 0.74 -0.78 |
| BRANSCOMB___SOLAR 323811 | 73.62 1.78 0.00 | 38.81 1.22 0.00 | 37.59 1.20 0.00 | 37.20 1.23 0.00 | 40.19 1.25 0.00 | 42.15 1.43 0.00 | 54.88 2.43 0.00 | 65.70 3.29 0.00 | 38.95 1.78 0.00 | 39.29 1.33 0.00 | 49.24 1.50 0.00 | 39.87 1.10 0.00 | 40.93 0.98 0.00 | 49.48 1.19 0.00 | 51.28 1.35 0.00 | 58.95 1.85 0.00 | 92.99 3.76 0.00 | 68.56 3.62 0.00 | 64.29 3.87 0.00 | 106.54 5.95 0.00 | 71.06 3.82 0.00 | 45.25 2.31 0.00 | 41.91 2.15 0.00 | 41.23 1.98 0.00 |
| BRENTWOD_69_KV_W. BRTWOOD 56703 | 82.54 2.68 -8.02 | 50.82 1.65 -11.57 | 37.85 1.45 0.00 | 37.41 1.45 0.00 | 40.54 1.60 0.00 | 51.46 1.85 -8.90 | 87.73 2.77 -32.52 | 96.90 3.58 -30.91 | 40.92 2.17 -1.57 | 42.26 1.90 -2.40 | 49.97 2.23 0.00 | 40.55 1.78 0.00 | 41.40 1.44 0.00 | 49.80 1.51 0.00 | 52.00 2.06 0.00 | 72.05 2.93 -12.00 | 108.36 3.86 -15.26 | 103.26 3.69 -34.62 | 97.88 3.79 -33.67 | 147.17 6.06 -40.53 | 86.61 4.17 -15.19 | 76.95 2.80 -31.21 | 49.16 2.31 -7.09 | 50.00 1.98 -8.77 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| BRISTLHL__115KV_TB1 79998 | 70.68 | 36.92 | 35.75 | 35.33 | 38.27 | 40.01 | 51.57 | 61.25 | 36.48 | 37.30 | 47.01 | 38.11 | 39.32 | 47.69 | 49.29 | 56.25 | 87.80 | 63.88 | 59.58 | 99.14 | 66.29 | 42.26 | 39.15 | 38.70 |
| | -1.16 | -0.67 | -0.65 | -0.64 | -0.67 | -0.71 | -0.87 | -1.16 | -0.69 | -0.66 | -0.74 | -0.66 | -0.63 | -0.60 | -0.65 | -0.86 | -1.43 | -1.06 | -0.84 | -1.44 | -0.96 | -0.68 | -0.61 | -0.55 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| BROOKHAVEN__DRP 24191 | 82.48 | 50.65 | 37.70 | 37.21 | 40.27 | 51.06 | 87.14 | 96.67 | 40.68 | 42.04 | 49.59 | 40.20 | 40.99 | 49.28 | 51.44 | 71.39 | 108.06 | 103.29 | 97.77 | 146.30 | 85.73 | 74.13 | 47.32 | 48.32 |
| | 2.71 | 1.57 | 1.30 | 1.25 | 1.33 | 1.62 | 2.58 | 3.57 | 2.04 | 1.70 | 1.85 | 1.43 | 1.04 | 0.99 | 1.50 | 2.36 | 3.67 | 4.01 | 4.11 | 6.19 | 4.29 | 2.61 | 1.99 | 1.62 |
| | -7.93 | -11.48 | 0.00 | 0.00 | 0.00 | -8.72 | -32.11 | -30.68 | -1.47 | -2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.91 | -15.15 | -34.34 | -33.24 | -39.53 | -14.19 | -28.59 | -5.56 | -7.44 |
| BROOKLYN_NAVY_YARD 23515 | 73.23 | 38.59 | 37.34 | 36.97 | 39.89 | 41.95 | 54.66 | 65.67 | 39.16 | 39.54 | 49.52 | 40.40 | 41.52 | 50.02 | 51.82 | 59.59 | 93.03 | 68.31 | 64.04 | 106.28 | 70.81 | 45.18 | 41.60 | 40.69 |
| | 1.39 | 1.00 | 0.94 | 1.00 | 0.95 | 1.24 | 2.22 | 3.26 | 1.98 | 1.57 | 1.77 | 1.63 | 1.57 | 1.73 | 1.88 | 2.48 | 3.79 | 3.36 | 3.62 | 5.55 | 3.56 | 2.25 | 1.84 | 1.44 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | 0.00 | -0.13 | 0.00 | 0.00 | 0.00 | 0.00 |
| BROOKLYN__ARMY_DRP 323595 | 86.39 | 57.78 | 57.05 | 56.98 | 56.96 | 57.48 | 64.59 | 74.02 | 59.29 | 59.22 | 62.39 | 58.96 | 57.07 | 62.58 | 63.21 | 66.82 | 106.04 | 101.20 | 101.16 | 107.15 | 75.71 | 63.27 | 57.78 | 56.95 |
| | 2.28 | 1.37 | 1.28 | 1.33 | 1.35 | 1.67 | 2.73 | 3.84 | 2.40 | 2.00 | 2.32 | 2.09 | 2.03 | 2.27 | 2.45 | 3.12 | 4.76 | 4.06 | 4.22 | 6.54 | 4.32 | 2.76 | 2.33 | 1.92 |
| | -12.26 | -18.82 | -19.37 | -19.68 | -16.68 | -15.09 | -9.42 | -7.77 | -19.71 | -19.25 | -12.32 | -18.09 | -15.10 | -12.01 | -10.82 | -6.60 | -12.05 | -32.20 | -36.52 | -0.02 | -4.15 | -17.57 | -15.69 | -15.78 |
| BROOKVLE_69_KV_TB1 55790 | 88.47 | 57.79 | 37.73 | 37.33 | 40.41 | 62.13 | 115.50 | 116.46 | 46.41 | 43.83 | 50.08 | 40.75 | 41.77 | 50.32 | 52.33 | 79.67 | 118.51 | 125.16 | 119.49 | 173.93 | 105.69 | 123.92 | 73.34 | 70.84 |
| | 2.35 | 1.46 | 1.33 | 1.37 | 1.47 | 1.75 | 2.81 | 3.91 | 2.33 | 1.99 | 2.33 | 1.98 | 1.82 | 2.03 | 2.38 | 3.12 | 4.56 | 4.12 | 4.28 | 6.73 | 4.46 | 2.75 | 2.31 | 1.94 |
| | -14.28 | -18.74 | 0.00 | 0.00 | 0.00 | -19.67 | -60.25 | -50.14 | -6.91 | -3.88 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | -19.44 | -24.72 | -56.10 | -54.79 | -66.62 | -33.98 | -78.23 | -31.26 |
| BROOME_2_LFGE 323671 | 71.91 | 37.43 | 36.23 | 35.83 | 38.81 | 40.60 | 52.55 | 62.38 | 37.16 | 38.26 | 48.62 | 39.39 | 40.57 | 49.06 | 50.86 | 57.77 | 89.60 | 65.00 | 60.83 | 100.94 | 67.48 | 42.99 | 39.61 | 39.10 |
| | 0.06 | -0.16 | -0.16 | -0.14 | -0.13 | -0.12 | 0.11 | -0.03 | -0.01 | 0.30 | 0.88 | 0.62 | 0.62 | 0.77 | 0.92 | 0.66 | 0.37 | 0.06 | 0.42 | 0.35 | 0.24 | 0.06 | -0.15 | -0.15 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BROOME__LFGE 323600 | 71.91 | 37.43 | 36.23 | 35.83 | 38.81 | 40.60 | 52.55 | 62.38 | 37.16 | 38.26 | 48.62 | 39.39 | 40.57 | 49.06 | 50.86 | 57.77 | 89.60 | 65.00 | 60.83 | 100.94 | 67.48 | 42.99 | 39.61 | 39.10 |
| | 0.06 | -0.16 | -0.16 | -0.14 | -0.13 | -0.12 | 0.11 | -0.03 | -0.01 | 0.30 | 0.88 | 0.62 | 0.62 | 0.77 | 0.92 | 0.66 | 0.37 | 0.06 | 0.42 | 0.35 | 0.24 | 0.06 | -0.15 | -0.15 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BROWNFLS_115KV_TB 3_5 80003 | 72.01 | 37.52 | 36.30 | 35.87 | 38.95 | 40.78 | 52.83 | 62.65 | 36.93 | 37.29 | 46.44 | 37.71 | 38.86 | 47.22 | 48.70 | 55.86 | 87.29 | 63.37 | 58.82 | 99.42 | 66.67 | 41.87 | 39.14 | 39.01 |
| | 0.16 | -0.07 | -0.10 | -0.10 | 0.01 | 0.06 | 0.39 | 0.24 | -0.24 | -0.67 | -1.31 | -1.06 | -1.09 | -1.08 | -1.24 | -1.25 | -1.94 | -1.58 | -1.60 | -1.16 | -0.57 | -1.06 | -1.17 | -1.34 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.55 | -1.09 | |
| BROWNSV1_27_KV_LOAD 356125 | 73.99 | 38.89 | 37.61 | 37.23 | 40.22 | 42.32 | 55.18 | 66.31 | 39.53 | 39.94 | 50.06 | 40.84 | 41.97 | 50.54 | 52.38 | 60.24 | 94.10 | 69.06 | 64.72 | 107.34 | 71.62 | 45.69 | 42.05 | 41.12 |
| | 2.15 | 1.30 | 1.21 | 1.26 | 1.28 | 1.60 | 2.74 | 3.91 | 2.36 | 1.98 | 2.32 | 2.06 | 2.01 | 2.25 | 2.45 | 3.13 | 4.86 | 4.12 | 4.30 | 6.76 | 4.38 | 2.75 | 2.29 | 1.87 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BURROWS__LYONSDAL 23803 | 73.02 | 38.07 | 36.85 | 36.45 | 39.56 | 41.53 | 53.90 | 64.09 | 37.83 | 38.20 | 47.79 | 38.76 | 39.72 | 48.42 | 49.83 | 57.19 | 89.40 | 65.03 | 60.54 | 102.07 | 68.37 | 42.93 | 39.72 | 39.13 |
| | 1.18 | 0.48 | 0.45 | 0.49 | 0.62 | 0.81 | 1.45 | 1.68 | 0.66 | 0.24 | 0.05 | -0.02 | -0.23 | 0.12 | -0.10 | 0.08 | 0.17 | 0.09 | 0.12 | 1.48 | 1.13 | 0.00 | -0.20 | -0.44 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -0.16 | -0.31 | |
| CAITHNESS_CC_1 323624 | 82.35 | 50.59 | 37.65 | 37.19 | 40.23 | 51.02 | 87.05 | 96.58 | 40.62 | 42.00 | 49.56 | 40.19 | 40.98 | 49.28 | 51.43 | 71.37 | 107.93 | 103.14 | 97.64 | 146.03 | 85.52 | 73.97 | 47.23 | 48.25 |
| | 2.58 | 1.51 | 1.25 | 1.22 | 1.29 | 1.60 | 2.51 | 3.50 | 1.99 | 1.66 | 1.81 | 1.42 | 1.03 | 0.98 | 1.49 | 2.35 | 3.55 | 3.87 | 3.99 | 5.93 | 4.10 | 2.51 | 1.95 | 1.58 |
| | -7.93 | -11.48 | 0.00 | 0.00 | 0.00 | -8.71 | -32.10 | -30.67 | -1.46 | -2.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -11.91 | -15.15 | -34.33 | -33.23 | -39.50 | -14.17 | -28.52 | -5.53 | -7.41 |
| CALPINE BETH_PAGE_GT4 24209 | 84.70 | 53.24 | 37.68 | 37.26 | 40.34 | 56.57 | 99.76 | 103.87 | 43.90 | 42.74 | 49.84 | 40.50 | 41.43 | 49.90 | 52.00 | 74.61 | 111.80 | 111.07 | 106.29 | 157.65 | 96.56 | 103.22 | 64.23 | 62.84 |
| | 2.16 | 1.43 | 1.28 | 1.29 | 1.40 | 1.50 | 2.43 | 3.42 | 2.04 | 1.83 | 2.09 | 1.73 | 1.47 | 1.61 | 2.06 | 2.74 | 3.82 | 3.47 | 3.75 | 5.96 | 3.97 | 2.44 | 2.03 | 1.80 |
| | -10.70 | -14.22 | 0.00 | 0.00 | 0.00 | -14.34 | -44.88 | -38.04 | -4.69 | -2.94 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | -14.75 | -18.74 | -42.66 | -42.13 | -51.10 | -25.35 | -57.85 | -22.44 | -21.78 |
| CALPINE_BETH_PAGE_GT_4 323586 | 84.70 | 53.24 | 37.68 | 37.26 | 40.34 | 56.57 | 99.76 | 103.87 | 43.90 | 42.74 | 49.84 | 40.50 | 41.43 | 49.90 | 52.00 | 74.61 | 111.81 | 111.07 | 106.29 | 157.65 | 96.56 | 103.22 | 64.23 | 62.84 |
| | 2.16 | 1.43 | 1.28 | 1.30 | 1.40 | 1.51 | 2.43 | 3.42 | 2.04 | 1.83 | 2.09 | 1.73 | 1.47 | 1.61 | 2.06 | 2.74 | 3.83 | 3.46 | 3.74 | 5.96 | 3.97 | 2.43 | 2.03 | 1.80 |
| | -10.70 | -14.22 | 0.00 | 0.00 | 0.00 | -14.34 | -44.88 | -38.04 | -4.69 | -2.94 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | -14.75 | -18.74 | -42.66 | -42.13 | -51.10 | -25.35 | -57.85 | -22.44 | -21.78 |
| CALPINE_BP_GT1 23823 | 84.70 | 53.24 | 37.68 | 37.26 | 40.34 | 56.57 | 99.76 | 103.87 | 43.90 | 42.74 | 49.84 | 40.50 | 41.43 | 49.90 | 52.00 | 74.61 | 111.81 | 111.07 | 106.29 | 157.65 | 96.56 | 103.22 | 64.23 | 62.84 |
| | 2.16 | 1.43 | 1.28 | 1.30 | 1.40 | 1.51 | 2.43 | 3.42 | 2.04 | 1.83 | 2.09 | 1.73 | 1.47 | 1.61 | 2.06 | 2.74 | 3.83 | 3.46 | 3.74 | 5.96 | 3.97 | 2.43 | 2.03 | 1.80 |
| | -10.70 | -14.22 | 0.00 | 0.00 | 0.00 | -14.34 | -44.88 | -38.04 | -4.69 | -2.94 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | -14.75 | -18.74 | -42.66 | -42.13 | -51.10 | -25.35 | -57.85 | -22.44 | -21.78 |
| CALSPAN__DRP 24200 | 71.40 | 36.70 | 35.56 | 35.01 | 37.99 | 39.58 | 50.85 | 58.89 | 35.34 | 37.27 | 47.90 | 38.65 | 40.27 | 49.17 | 50.96 | 57.76 | 89.16 | 63.57 | 59.35 | 98.63 | 66.21 | 42.35 | 38.77 | 38.44 |
| | -0.44 | -0.89 | -0.84 | -0.95 | -0.95 | -1.14 | -1.59 | -3.52 | -1.83 | -0.69 | 0.15 | -0.12 | 0.31 | 0.88 | 1.03 | 0.65 | -0.08 | -1.37 | -1.06 | -1.96 | -1.04 | -0.58 | -0.99 | -0.82 |
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|------------------------|-------------------------|
| CALVERTON___SOLAR 323806 | 82.67 2.89 -7.94 | 50.75 1.67 -11.49 | 37.76 1.36 0.00 | 37.28 1.31 0.00 | 40.30 1.36 0.00 | 51.12 1.69 -8.72 | 87.22 2.66 -32.12 | 96.78 3.68 -30.68 | 40.74 2.09 -1.47 | 42.09 1.74 -2.38 | 49.64 1.89 0.00 | 40.24 1.47 0.00 | 41.01 1.06 0.00 | 49.29 1.00 0.00 | 51.46 1.52 0.00 | 71.40 2.38 -11.91 | 108.24 3.86 -15.15 | 103.46 4.18 -34.34 | 97.90 4.24 -33.25 | 146.58 6.45 -39.53 | 85.90 4.46 -14.20 | 74.23 2.69 -28.60 | 47.36 2.03 -5.57 | 48.37 1.66 -7.45 |
| CANDIGU_WT_PWR 323617 | 71.13 -0.71 0.00 | 36.70 -0.88 0.00 | 35.41 -0.99 0.00 | 34.83 -1.14 0.00 | 37.88 -1.06 0.00 | 39.43 -1.29 0.00 | 50.81 -1.63 0.00 | 59.46 -2.95 0.00 | 34.96 -2.21 0.00 | 36.37 -1.60 0.00 | 46.22 -1.52 0.00 | 37.11 -1.66 0.00 | 38.69 -1.26 0.00 | 47.01 -1.28 0.00 | 48.45 -1.48 0.00 | 54.89 -2.22 0.00 | 84.70 -4.54 0.00 | 61.13 -3.82 0.00 | 57.65 -2.77 0.00 | 95.82 -4.76 0.00 | 64.13 -3.12 0.00 | 40.66 -2.27 0.00 | 37.30 -2.46 0.00 | 37.02 -2.23 0.00 |
| CARR STREET_E_SYR 24060 | 71.39 -0.45 0.00 | 37.27 -0.32 0.00 | 36.08 -0.31 0.00 | 35.66 -0.31 0.00 | 38.62 -0.31 0.00 | 40.37 -0.34 0.00 | 52.09 -0.35 0.00 | 61.86 -0.55 0.00 | 36.85 -0.32 0.00 | 37.71 -0.25 0.00 | 47.59 -0.16 0.00 | 38.62 -0.15 0.00 | 39.84 -0.11 0.00 | 48.27 -0.02 0.00 | 49.90 -0.04 0.00 | 56.98 -0.13 0.00 | 88.84 -0.39 0.00 | 64.56 -0.38 0.00 | 60.23 -0.19 0.00 | 100.16 -0.43 0.00 | 66.99 -0.26 0.00 | 42.72 -0.22 0.00 | 39.53 -0.23 0.00 | 39.07 -0.18 0.00 |
| CARTHAGE___PAPER 23857 | 73.19 1.35 0.00 | 38.08 0.49 0.00 | 36.83 0.43 0.00 | 36.45 0.48 0.00 | 39.63 0.69 0.00 | 41.65 0.93 0.00 | 54.25 1.80 0.00 | 64.31 1.90 0.00 | 37.72 0.55 0.00 | 37.68 -0.28 0.00 | 46.59 -1.15 0.00 | 38.04 -0.73 0.00 | 39.06 -0.89 0.00 | 47.73 -0.56 0.00 | 49.19 -0.75 0.00 | 56.59 -0.52 0.00 | 88.43 -0.80 0.00 | 64.25 -0.69 0.00 | 59.88 -0.54 0.00 | 101.77 1.19 0.00 | 68.46 1.21 0.00 | 42.45 -0.49 0.00 | 39.24 -0.77 0.00 | 38.67 -1.09 -0.50 |
| CASSADAGA_WT_PWR 323784 | 72.88 1.04 0.00 | 37.28 -0.31 0.00 | 35.80 -0.60 0.00 | 35.43 -0.54 0.00 | 38.24 -0.70 0.00 | 39.94 -0.77 0.00 | 51.56 -0.89 0.00 | 59.28 -3.13 0.00 | 34.90 -2.27 0.00 | 36.68 -1.28 0.00 | 47.20 -0.55 0.00 | 38.40 -0.37 0.00 | 40.34 0.39 0.00 | 49.48 1.18 0.00 | 49.88 -0.06 0.00 | 56.40 -0.71 0.00 | 86.54 -2.69 0.00 | 61.81 -3.14 0.00 | 58.05 -2.37 0.00 | 96.07 -4.52 0.00 | 64.34 -2.90 0.00 | 40.95 -1.99 0.00 | 37.33 -2.43 0.00 | 37.00 -2.25 0.00 |
| CE_DUNWOOD___DRP 24194 | 73.13 1.29 0.00 | 38.44 0.85 0.00 | 37.19 0.79 0.00 | 36.82 0.85 0.00 | 39.78 0.85 0.00 | 41.84 1.12 0.00 | 54.47 2.02 0.00 | 65.40 2.99 0.00 | 38.96 1.79 0.00 | 39.37 1.41 0.00 | 49.32 1.58 0.00 | 40.19 1.42 0.00 | 41.29 1.34 0.00 | 49.75 1.46 0.00 | 51.58 1.64 0.00 | 59.34 2.24 0.00 | 92.73 3.50 0.00 | 68.09 3.15 0.00 | 63.79 3.37 0.00 | 105.77 5.18 0.00 | 70.63 3.38 0.00 | 45.04 2.11 0.00 | 41.50 1.74 0.00 | 40.64 1.39 0.00 |
| CE_MILLWOOD___DRP 24193 | 72.91 1.07 0.00 | 38.32 0.73 0.00 | 37.06 0.67 0.00 | 36.69 0.73 0.00 | 39.67 0.73 0.00 | 41.71 1.00 0.00 | 54.29 1.85 0.00 | 65.20 2.79 0.00 | 38.80 1.62 0.00 | 39.20 1.23 0.00 | 49.10 1.35 0.00 | 40.01 1.24 0.00 | 41.12 1.17 0.00 | 49.56 1.27 0.00 | 51.38 1.44 0.00 | 59.12 2.02 0.00 | 92.43 3.20 0.00 | 67.83 2.89 0.00 | 63.53 3.11 0.00 | 105.36 4.77 0.00 | 70.37 3.12 0.00 | 44.87 1.94 0.00 | 41.35 1.59 0.00 | 40.49 1.24 0.00 |
| CE_NYC2_DRP 24202 | 73.63 1.78 0.00 | 38.70 1.11 0.00 | 37.43 1.03 0.00 | 37.04 1.08 0.00 | 40.02 1.08 0.00 | 42.10 1.39 0.00 | 54.84 2.39 0.00 | 65.93 3.52 0.00 | 39.39 2.17 -0.05 | 39.72 1.75 0.00 | 49.76 2.02 0.00 | 40.61 1.84 0.00 | 41.71 1.76 0.00 | 50.23 1.94 0.00 | 52.07 2.13 0.00 | 59.86 2.75 0.00 | 93.44 4.21 0.00 | 68.60 3.66 0.00 | 64.28 3.86 0.00 | 106.48 5.90 0.00 | 71.11 3.86 0.00 | 45.40 2.46 0.00 | 41.80 2.04 0.00 | 40.88 1.63 0.00 |
| CE_NYC_DRP 24195 | 73.40 1.56 0.00 | 38.59 1.00 0.00 | 37.33 0.93 0.00 | 36.95 0.98 0.00 | 39.92 0.98 0.00 | 41.98 1.26 0.00 | 54.70 2.26 0.00 | 65.76 3.35 0.00 | 39.21 2.04 0.00 | 39.62 1.65 0.00 | 49.64 1.90 0.00 | 40.50 1.73 0.00 | 41.64 1.68 0.00 | 50.16 1.87 0.00 | 51.98 2.04 0.00 | 59.75 2.64 0.00 | 93.30 4.07 0.00 | 68.49 3.55 0.00 | 64.19 3.77 0.00 | 106.36 5.78 0.00 | 70.98 3.73 0.00 | 45.29 2.35 0.00 | 41.69 1.93 0.00 | 40.80 1.55 0.00 |
| CHAFFEE___LFGE 323603 | 71.71 -0.13 0.00 | 36.82 -0.76 0.00 | 35.62 -0.77 0.00 | 35.22 -0.74 0.00 | 38.08 -0.86 0.00 | 39.55 -1.17 0.00 | 51.18 -1.26 0.00 | 60.03 -2.38 0.00 | 35.99 -1.18 0.00 | 37.70 -0.27 0.00 | 48.20 0.46 0.00 | 39.41 0.64 0.00 | 41.11 1.16 0.00 | 49.87 1.58 0.00 | 51.61 1.67 0.00 | 58.52 1.41 0.00 | 89.92 0.69 0.00 | 64.13 -0.81 0.00 | 59.78 -0.64 0.00 | 99.19 -1.40 0.00 | 66.28 -0.96 0.00 | 42.24 -0.69 0.00 | 38.69 -1.06 0.00 | 38.35 -0.91 0.00 |
| CHATEAUG_35_KV_LOAD 355732 | 73.62 1.78 0.00 | 38.56 0.97 0.00 | 37.39 0.99 0.00 | 36.91 0.95 0.00 | 40.02 1.09 0.00 | 41.65 0.93 0.00 | 53.58 1.14 0.00 | 63.40 1.00 0.00 | 37.59 0.42 0.00 | 38.37 0.41 0.00 | 47.82 0.07 0.00 | 38.67 -0.09 0.00 | 39.98 0.03 0.00 | 48.25 -0.04 0.00 | 49.97 0.04 0.00 | 57.23 0.12 0.00 | 88.51 -0.72 0.00 | 64.26 -0.68 0.00 | 59.98 -0.44 0.00 | 100.64 0.05 0.00 | 67.29 0.05 0.00 | 42.65 -0.29 0.00 | 33.65 -0.77 5.34 | 27.82 -0.83 10.60 |
| CHATEAUG_WT_PWR 323614 | 73.52 1.68 0.00 | 38.52 0.93 0.00 | 37.33 0.93 0.00 | 36.87 0.90 0.00 | 39.96 1.02 0.00 | 41.60 0.88 0.00 | 53.53 1.09 0.00 | 63.36 0.95 0.00 | 37.56 0.38 0.00 | 38.34 0.37 0.00 | 47.78 0.04 0.00 | 38.66 -0.11 0.00 | 39.96 0.01 0.00 | 48.23 -0.06 0.00 | 49.95 0.01 0.00 | 57.23 0.12 0.00 | 88.52 -0.71 0.00 | 64.26 -0.68 0.00 | 60.02 -0.40 0.00 | 100.64 0.06 0.00 | 67.28 0.04 0.00 | 42.66 -0.27 0.00 | 34.11 -0.74 4.91 | 28.72 -0.80 9.74 |
| CHAT_HIGH_FALL_HYD 323578 | 73.62 1.78 0.00 | 38.56 0.97 0.00 | 37.39 0.99 0.00 | 36.91 0.95 0.00 | 40.02 1.09 0.00 | 41.65 0.93 0.00 | 53.58 1.14 0.00 | 63.40 1.00 0.00 | 37.59 0.42 0.00 | 38.37 0.41 0.00 | 47.82 0.07 0.00 | 38.67 -0.09 0.00 | 39.98 0.03 0.00 | 48.25 -0.04 0.00 | 49.97 0.04 0.00 | 57.23 0.12 0.00 | 88.51 -0.72 0.00 | 64.26 -0.68 0.00 | 59.98 -0.44 0.00 | 100.64 0.05 0.00 | 67.29 0.05 0.00 | 42.65 -0.29 0.00 | 33.65 -0.77 5.34 | 27.82 -0.83 10.60 |
| CHAUTAUQUA___LFGE 323629 | 72.31 0.47 0.00 | 37.01 -0.58 0.00 | 35.64 -0.76 0.00 | 35.25 -0.72 0.00 | 38.11 -0.82 0.00 | 39.79 -0.92 0.00 | 51.37 -1.07 0.00 | 59.42 -2.99 0.00 | 35.31 -1.86 0.00 | 36.98 -0.98 0.00 | 47.53 -0.22 0.00 | 38.60 -0.17 0.00 | 40.44 0.48 0.00 | 49.49 1.20 0.00 | 50.38 0.44 0.00 | 57.16 0.05 0.00 | 88.11 -1.12 0.00 | 63.00 -1.94 0.00 | 59.17 -1.25 0.00 | 97.88 -2.70 0.00 | 65.61 -1.63 0.00 | 41.77 -1.17 0.00 | 38.10 -1.66 0.00 | 37.76 -1.49 0.00 |
| CHERRYST_13_KV_LD 356241 | 73.59 1.75 0.00 | 38.70 1.11 0.00 | 37.42 1.02 0.00 | 37.05 1.08 0.00 | 40.02 1.08 0.00 | 42.10 1.38 0.00 | 54.86 2.42 0.00 | 65.96 3.55 0.00 | 39.34 2.17 0.00 | 39.77 1.80 0.00 | 49.84 2.10 0.00 | 40.66 1.89 0.00 | 41.80 1.85 0.00 | 50.37 2.08 0.00 | 52.19 2.25 0.00 | 59.98 2.88 0.00 | 93.66 4.43 0.00 | 68.75 3.81 0.00 | 64.42 3.99 0.00 | 106.72 6.14 0.00 | 71.20 3.95 0.00 | 45.42 2.48 0.00 | 41.81 2.05 0.00 | 40.90 1.65 0.00 |

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| CHESTROR_138KV_BK263 355645 | 72.53 0.69 0.00 | 38.10 0.50 0.00 | 36.84 0.44 0.00 | 36.48 0.52 0.00 | 39.45 0.52 0.00 | 41.49 0.77 0.00 | 53.91 1.47 0.00 | 64.63 2.22 0.00 | 38.42 1.25 0.00 | 38.82 0.86 0.00 | 48.61 0.86 0.00 | 39.59 0.82 0.00 | 40.68 0.73 0.00 | 49.05 0.75 0.00 | 50.86 0.92 0.00 | 58.50 1.39 0.00 | 91.58 2.34 0.00 | 67.13 2.18 0.00 | 62.87 2.45 0.00 | 104.30 3.72 0.00 | 69.68 2.43 0.00 | 44.44 1.50 0.00 | 40.99 1.23 0.00 | 40.17 0.91 0.00 |
| CH_MIDHUDSON___DRP 24192 | 72.95 1.11 0.00 | 38.37 0.78 0.00 | 37.14 0.74 0.00 | 36.77 0.80 0.00 | 39.73 0.80 0.00 | 41.77 1.05 0.00 | 54.35 1.91 0.00 | 65.23 2.82 0.00 | 38.83 1.65 0.00 | 39.22 1.26 0.00 | 49.12 1.37 0.00 | 39.95 1.19 0.00 | 41.03 1.08 0.00 | 49.43 1.13 0.00 | 51.24 1.31 0.00 | 59.00 1.89 0.00 | 92.39 3.16 0.00 | 67.93 2.99 0.00 | 63.68 3.26 0.00 | 105.63 5.04 0.00 | 70.54 3.29 0.00 | 44.95 2.01 0.00 | 41.44 1.68 0.00 | 40.60 1.35 0.00 |
| CH_MISC_IPPS 23765 | 73.63 1.79 0.00 | 38.70 1.11 0.00 | 37.45 1.06 0.00 | 37.08 1.11 0.00 | 40.09 1.15 0.00 | 42.18 1.46 0.00 | 54.92 2.48 0.00 | 65.90 3.49 0.00 | 39.18 2.01 0.00 | 39.53 1.57 0.00 | 49.50 1.75 0.00 | 40.24 1.47 0.00 | 41.29 1.34 0.00 | 49.76 1.47 0.00 | 51.67 1.73 0.00 | 59.60 2.49 0.00 | 93.29 4.06 0.00 | 68.28 3.34 0.00 | 64.00 3.58 0.00 | 106.23 5.64 0.00 | 70.93 3.68 0.00 | 45.20 2.26 0.00 | 41.64 1.89 0.00 | 40.78 1.52 0.00 |
| CH_RES_BVR_FALLS 23983 | 72.50 0.66 0.00 | 37.82 0.23 0.00 | 36.61 0.21 0.00 | 36.19 0.22 0.00 | 39.22 0.28 0.00 | 40.96 0.25 0.00 | 52.73 0.28 0.00 | 62.62 0.21 0.00 | 37.28 0.11 0.00 | 38.14 0.17 0.00 | 47.84 0.10 0.00 | 38.79 0.02 0.00 | 39.97 0.02 0.00 | 48.30 0.01 0.00 | 49.86 -0.07 0.00 | 56.93 -0.18 0.00 | 88.79 -0.44 0.00 | 64.20 -0.75 0.00 | 59.47 -0.95 0.00 | 99.75 -0.83 0.00 | 66.73 -0.51 0.00 | 42.42 -0.52 0.00 | 39.17 -0.59 0.00 | 38.63 -0.63 0.00 |
| CH_RES_NIAGARA 23895 | 69.67 -2.17 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.62 -2.09 0.00 | 49.32 -3.13 0.00 | 56.73 -5.69 0.00 | 34.08 -3.09 0.00 | 36.10 -1.86 0.00 | 46.45 -1.30 0.00 | 37.43 -1.34 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.37 -0.57 0.00 | 56.04 -1.07 0.00 | 86.60 -2.63 0.00 | 61.65 -3.29 0.00 | 57.42 -3.00 0.00 | 95.56 -5.03 0.00 | 64.19 -3.05 0.00 | 41.16 -1.78 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| CH_RES_SYRACUSE 23985 | 71.73 -0.12 0.00 | 37.46 -0.14 0.00 | 36.26 -0.14 0.00 | 35.84 -0.13 0.00 | 38.83 -0.11 0.00 | 40.59 -0.13 0.00 | 52.38 -0.06 0.00 | 62.19 -0.21 0.00 | 37.04 -0.14 0.00 | 37.90 -0.07 0.00 | 47.81 0.06 0.00 | 38.77 0.01 0.00 | 40.04 0.09 0.00 | 48.52 0.23 0.00 | 50.14 0.21 0.00 | 57.22 0.11 0.00 | 89.28 0.05 0.00 | 64.91 -0.03 0.00 | 60.54 0.13 0.00 | 100.68 0.10 0.00 | 67.30 0.06 0.00 | 42.91 -0.03 0.00 | 39.69 -0.07 0.00 | 39.27 0.01 0.00 |
| CLINTON_WT_PWR 323605 | 73.52 1.68 0.00 | 38.52 0.93 0.00 | 37.33 0.93 0.00 | 36.87 0.90 0.00 | 39.96 1.02 0.00 | 41.60 0.88 0.00 | 53.53 1.09 0.00 | 63.36 0.95 0.00 | 37.56 0.38 0.00 | 38.34 0.37 0.00 | 47.78 0.04 0.00 | 38.66 -0.11 0.00 | 39.96 0.01 0.00 | 48.23 -0.06 0.00 | 49.95 0.01 0.00 | 57.23 0.12 0.00 | 88.52 -0.71 0.00 | 64.26 -0.68 0.00 | 60.02 -0.40 0.00 | 100.64 0.06 0.00 | 67.28 0.04 0.00 | 42.66 -0.27 0.00 | 34.11 -0.74 0.00 | 28.72 -0.80 0.00 |
| CLINTON___LFGE 323618 | 74.44 2.60 0.00 | 39.02 1.43 0.00 | 37.82 1.42 0.00 | 37.35 1.38 0.00 | 40.47 1.54 0.00 | 42.13 1.42 0.00 | 54.37 1.92 0.00 | 64.32 1.91 0.00 | 38.03 0.86 0.00 | 38.77 0.81 0.00 | 48.26 0.52 0.00 | 38.93 0.16 0.00 | 40.22 0.27 0.00 | 48.58 0.29 0.00 | 50.31 0.38 0.00 | 57.83 0.72 0.00 | 89.39 0.16 0.00 | 65.01 0.07 0.00 | 61.05 0.63 0.00 | 102.31 1.72 0.00 | 68.39 1.14 0.00 | 43.38 0.44 0.00 | 34.72 -0.13 0.00 | 29.31 -0.21 0.00 |
| COBBLENY_34_KV_TB1 80064 | 71.73 -0.11 0.00 | 36.82 -0.76 0.00 | 35.63 -0.77 0.00 | 35.22 -0.75 0.00 | 38.08 -0.86 0.00 | 39.54 -1.17 0.00 | 51.18 -1.26 0.00 | 60.03 -2.38 0.00 | 35.99 -1.18 0.00 | 37.70 -0.27 0.00 | 48.21 0.46 0.00 | 39.40 0.63 0.00 | 41.11 1.16 0.00 | 49.87 1.58 0.00 | 51.61 1.67 0.00 | 58.53 1.42 0.00 | 89.94 0.70 0.00 | 64.12 -0.82 0.00 | 59.78 -0.64 0.00 | 99.20 -1.39 0.00 | 66.27 -0.97 0.00 | 42.24 -0.69 0.00 | 38.69 -1.06 0.00 | 38.35 -0.91 0.00 |
| COFFEEN___115KV_TB3 355620 | 73.07 1.23 0.00 | 38.01 0.41 0.00 | 36.76 0.36 0.00 | 36.38 0.42 0.00 | 39.59 0.65 0.00 | 41.64 0.92 0.00 | 54.34 1.90 0.00 | 64.42 2.01 0.00 | 37.73 0.56 0.00 | 37.48 -0.48 0.00 | 46.29 -1.45 0.00 | 37.89 -0.88 0.00 | 38.90 -1.05 0.00 | 47.61 -0.68 0.00 | 49.17 -0.76 0.00 | 56.68 -0.43 0.00 | 88.48 -0.75 0.00 | 64.40 -0.54 0.00 | 60.16 -0.25 0.00 | 102.23 1.64 0.00 | 68.86 1.62 0.00 | 42.55 -0.39 0.00 | 39.27 -0.70 0.00 | 38.65 -1.03 0.00 |
| COLDSPRG_115KV_BK1 355956 | 73.68 1.84 0.00 | 37.77 0.18 0.00 | 36.43 0.03 0.00 | 36.02 0.05 0.00 | 38.93 -0.01 0.00 | 40.61 -0.11 0.00 | 52.55 0.10 0.00 | 61.11 -1.30 0.00 | 36.36 -0.81 0.00 | 38.13 0.17 0.00 | 48.96 1.21 0.00 | 39.84 1.07 0.00 | 41.66 1.71 0.00 | 50.83 2.54 0.00 | 51.98 2.04 0.00 | 58.92 1.81 0.00 | 90.45 1.21 0.00 | 64.54 -0.40 0.00 | 60.45 0.03 0.00 | 100.11 -0.48 0.00 | 67.02 -0.23 0.00 | 42.65 -0.28 0.00 | 38.95 -0.81 0.00 | 38.57 -0.68 0.00 |
| COLONIE_LFGE___ 323577 | 72.05 0.21 0.00 | 38.03 0.44 0.00 | 36.87 0.47 0.00 | 36.49 0.52 0.00 | 39.40 0.46 0.00 | 41.33 0.61 0.00 | 53.65 1.20 0.00 | 64.27 1.86 0.00 | 38.20 1.02 0.00 | 38.65 0.69 0.00 | 48.41 0.66 0.00 | 39.28 0.51 0.00 | 40.38 0.43 0.00 | 48.72 0.43 0.00 | 50.43 0.50 0.00 | 57.95 0.84 0.00 | 91.19 1.96 0.00 | 67.12 2.18 0.00 | 62.78 2.36 0.00 | 104.11 3.53 0.00 | 69.49 2.24 0.00 | 44.31 1.37 0.00 | 41.08 1.33 0.00 | 40.43 1.18 0.00 |
| COOPERNY_115KV_TB1 80082 | 72.27 0.43 0.00 | 37.92 0.33 0.00 | 36.69 0.30 0.00 | 36.32 0.36 0.00 | 39.29 0.35 0.00 | 41.26 0.54 0.00 | 53.49 1.04 0.00 | 63.99 1.58 0.00 | 38.08 0.90 0.00 | 38.59 0.63 0.00 | 48.40 0.65 0.00 | 39.37 0.60 0.00 | 40.50 0.55 0.00 | 48.85 0.56 0.00 | 50.64 0.70 0.00 | 58.17 1.06 0.00 | 90.94 1.71 0.00 | 66.52 1.58 0.00 | 62.20 1.79 0.00 | 103.25 2.67 0.00 | 69.01 1.76 0.00 | 44.03 1.09 0.00 | 40.65 0.90 0.00 | 39.90 0.65 0.00 |
| COPENHAGEN_WT_PWR 323753 | 72.34 0.50 0.00 | 37.62 0.03 0.00 | 36.38 -0.02 0.00 | 36.01 0.05 0.00 | 39.19 0.25 0.00 | 41.18 0.46 0.00 | 53.71 1.26 0.00 | 63.69 1.28 0.00 | 37.40 0.22 0.00 | 37.29 -0.67 0.00 | 46.15 -1.59 0.00 | 37.63 -1.14 0.00 | 38.61 -1.35 0.00 | 47.17 -1.12 0.00 | 48.57 -1.37 0.00 | 55.83 -1.28 0.00 | 87.01 -2.22 0.00 | 63.08 -1.86 0.00 | 58.84 -1.58 0.00 | 100.41 -0.17 0.00 | 67.80 0.55 0.00 | 41.64 -1.29 0.00 | 38.46 -1.50 0.00 | 37.85 -1.80 0.00 |
| CORNELL_____ 23752 | 73.10 1.26 0.00 | 38.10 0.51 0.00 | 36.89 0.49 0.00 | 36.46 0.50 0.00 | 39.53 0.60 0.00 | 41.40 0.68 0.00 | 53.64 1.20 0.00 | 63.67 1.26 0.00 | 37.78 0.61 0.00 | 38.45 0.49 0.00 | 48.71 0.97 0.00 | 39.51 0.74 0.00 | 40.63 0.68 0.00 | 49.21 0.92 0.00 | 51.02 1.08 0.00 | 58.50 1.39 0.00 | 91.13 1.90 0.00 | 66.24 1.30 0.00 | 61.77 1.35 0.00 | 102.78 2.20 0.00 | 68.68 1.44 0.00 | 43.66 0.73 0.00 | 40.22 0.46 0.00 | 39.70 0.45 0.00 |

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| CORONA V_69_KV_TB1 355595 | 93.52 2.51 -19.17 | 59.91 1.52 -20.80 | 37.79 1.40 0.00 | 37.39 1.42 0.00 | 40.50 1.56 -0.01 | 77.90 1.80 -35.38 | 141.65 2.80 -86.41 | 122.13 3.85 -55.87 | 60.14 2.31 -20.65 | 44.24 1.98 -4.31 | 50.13 2.37 -0.02 | 40.76 1.99 0.00 | 41.73 1.78 0.00 | 50.26 1.97 0.00 | 52.30 2.35 -0.01 | 81.65 2.97 -21.57 | 120.79 4.07 -27.48 | 131.09 3.93 -62.21 | 125.27 4.15 -60.71 | 181.87 6.40 -74.88 | 135.71 4.35 -64.12 | 210.79 2.63 -165.22 | 132.19 2.25 -90.18 | 112.00 1.91 -70.83 |
| CORTLAND_115KV_TB3 80093 | 72.51 0.66 0.00 | 37.80 0.21 0.00 | 36.59 0.19 0.00 | 36.18 0.21 0.00 | 39.21 0.27 0.00 | 41.04 0.32 0.00 | 53.12 0.67 0.00 | 63.12 0.71 0.00 | 37.51 0.34 0.00 | 38.24 0.28 0.00 | 48.31 0.57 0.00 | 39.23 0.46 0.00 | 40.41 0.46 0.00 | 48.93 0.64 0.00 | 50.62 0.68 0.00 | 57.99 0.88 0.00 | 90.36 1.12 0.00 | 65.69 0.75 0.00 | 61.36 0.94 0.00 | 102.04 1.46 0.00 | 68.18 0.94 0.00 | 43.41 0.47 0.00 | 40.03 0.27 0.00 | 39.51 0.25 0.00 |
| COXSACKIE___GT 23611 | 73.89 2.05 0.00 | 38.96 1.37 0.00 | 37.77 1.37 0.00 | 37.39 1.42 0.00 | 40.41 1.47 0.00 | 42.47 1.75 0.00 | 55.26 2.81 0.00 | 66.13 3.72 0.00 | 39.06 1.88 0.00 | 39.01 1.04 0.00 | 48.63 0.89 0.00 | 39.42 0.65 0.00 | 40.53 0.58 0.00 | 48.86 0.57 0.00 | 50.60 0.67 0.00 | 58.24 1.13 0.00 | 93.37 4.14 0.00 | 68.79 3.85 0.00 | 64.52 4.10 0.00 | 107.31 6.73 0.00 | 71.49 4.24 0.00 | 45.46 2.52 0.00 | 42.02 2.26 0.00 | 41.26 2.00 0.00 |
| CPV_VALLEY___CC1 323721 | 72.06 0.22 0.00 | 37.86 0.27 0.00 | 36.62 0.22 0.00 | 36.26 0.29 0.00 | 39.21 0.28 0.00 | 41.21 0.49 0.00 | 53.51 1.06 0.00 | 64.12 1.71 0.00 | 38.15 0.97 0.00 | 38.58 0.62 0.00 | 48.32 0.58 0.00 | 39.37 0.60 0.00 | 40.48 0.53 0.00 | 48.80 0.50 0.00 | 50.58 0.65 0.00 | 58.15 1.04 0.00 | 90.95 1.72 0.00 | 66.62 1.68 0.00 | 62.35 1.94 0.00 | 103.43 2.84 0.00 | 69.11 1.86 0.00 | 44.09 1.16 0.00 | 40.70 0.94 0.00 | 39.90 0.64 0.00 |
| CPV_VALLEY___CC2 323722 | 72.06 0.22 0.00 | 37.86 0.27 0.00 | 36.62 0.22 0.00 | 36.26 0.29 0.00 | 39.21 0.28 0.00 | 41.21 0.49 0.00 | 53.51 1.06 0.00 | 64.12 1.71 0.00 | 38.15 0.97 0.00 | 38.58 0.62 0.00 | 48.32 0.58 0.00 | 39.37 0.60 0.00 | 40.48 0.53 0.00 | 48.80 0.50 0.00 | 50.58 0.65 0.00 | 58.15 1.04 0.00 | 90.95 1.72 0.00 | 66.62 1.68 0.00 | 62.35 1.94 0.00 | 103.43 2.84 0.00 | 69.11 1.86 0.00 | 44.09 1.16 0.00 | 40.70 0.94 0.00 | 39.90 0.64 0.00 |
| CRESCENT___HYD 24018 | 72.05 0.21 0.00 | 38.03 0.44 0.00 | 36.87 0.47 0.00 | 36.49 0.52 0.00 | 39.40 0.46 0.00 | 41.33 0.61 0.00 | 53.65 1.20 0.00 | 64.27 1.86 0.00 | 38.20 1.02 0.00 | 38.65 0.69 0.00 | 48.41 0.66 0.00 | 39.28 0.51 0.00 | 40.38 0.43 0.00 | 48.72 0.43 0.00 | 50.43 0.50 0.00 | 57.95 0.84 0.00 | 91.19 1.96 0.00 | 67.12 2.18 0.00 | 62.78 2.36 0.00 | 104.11 3.53 0.00 | 69.49 2.24 0.00 | 44.31 1.37 0.00 | 41.08 1.33 0.00 | 40.43 1.18 0.00 |
| CRICKET___VALLEY_CC1 323756 | 72.01 0.17 0.00 | 37.94 0.35 0.00 | 36.78 0.39 0.00 | 36.41 0.45 0.00 | 39.31 0.36 0.00 | 41.32 0.60 0.00 | 53.72 1.28 0.00 | 64.54 2.13 0.00 | 38.45 1.27 0.00 | 38.85 0.89 0.00 | 48.62 0.88 0.00 | 39.56 0.79 0.00 | 40.65 0.70 0.00 | 48.95 0.66 0.00 | 50.67 0.73 0.00 | 58.33 1.22 0.00 | 91.35 2.12 0.00 | 67.23 2.29 0.00 | 63.08 2.67 0.00 | 104.60 4.02 0.00 | 69.84 2.59 0.00 | 44.46 1.53 0.00 | 41.02 1.26 0.00 | 40.24 0.99 0.00 |
| CRICKET___VALLEY_CC2 323757 | 72.01 0.17 0.00 | 37.94 0.35 0.00 | 36.78 0.39 0.00 | 36.41 0.45 0.00 | 39.31 0.36 0.00 | 41.32 0.60 0.00 | 53.72 1.28 0.00 | 64.54 2.13 0.00 | 38.45 1.27 0.00 | 38.85 0.89 0.00 | 48.62 0.88 0.00 | 39.56 0.79 0.00 | 40.65 0.70 0.00 | 48.95 0.66 0.00 | 50.67 0.73 0.00 | 58.33 1.22 0.00 | 91.35 2.12 0.00 | 67.23 2.29 0.00 | 63.08 2.67 0.00 | 104.60 4.02 0.00 | 69.84 2.59 0.00 | 44.46 1.53 0.00 | 41.02 1.26 0.00 | 40.24 0.99 0.00 |
| CRICKET___VALLEY_CC3 323758 | 72.01 0.17 0.00 | 37.94 0.35 0.00 | 36.78 0.39 0.00 | 36.41 0.45 0.00 | 39.31 0.36 0.00 | 41.32 0.60 0.00 | 53.72 1.28 0.00 | 64.54 2.13 0.00 | 38.45 1.27 0.00 | 38.85 0.89 0.00 | 48.62 0.88 0.00 | 39.56 0.79 0.00 | 40.65 0.70 0.00 | 48.95 0.66 0.00 | 50.67 0.73 0.00 | 58.33 1.22 0.00 | 91.35 2.12 0.00 | 67.23 2.29 0.00 | 63.08 2.67 0.00 | 104.60 4.02 0.00 | 69.84 2.59 0.00 | 44.46 1.53 0.00 | 41.02 1.26 0.00 | 40.24 0.99 0.00 |
| CRUCIBLE_METL_DRP 24180 | 71.73 -0.11 0.00 | 37.46 -0.14 0.00 | 36.26 -0.14 0.00 | 35.84 -0.13 0.00 | 38.83 -0.11 0.00 | 40.59 -0.13 0.00 | 52.38 -0.06 0.00 | 62.19 -0.22 0.00 | 37.03 -0.14 0.00 | 37.90 -0.07 0.00 | 47.81 0.06 0.00 | 38.77 0.01 0.00 | 40.04 0.09 0.00 | 48.52 0.23 0.00 | 50.14 0.20 0.00 | 57.22 0.11 0.00 | 89.28 0.05 0.00 | 64.91 -0.03 0.00 | 60.55 0.13 0.00 | 100.68 0.10 0.00 | 67.31 0.06 0.00 | 42.91 -0.03 0.00 | 39.69 -0.07 0.00 | 39.27 0.01 0.00 |
| DAHOWA___HYDRO 323763 | 73.88 2.04 0.00 | 38.94 1.35 0.00 | 37.71 1.31 0.00 | 37.31 1.34 0.00 | 40.32 1.38 0.00 | 42.27 1.55 0.00 | 55.09 2.65 0.00 | 66.02 3.61 0.00 | 39.15 1.98 0.00 | 39.49 1.53 0.00 | 49.46 1.72 0.00 | 40.03 1.26 0.00 | 41.08 1.13 0.00 | 49.66 1.37 0.00 | 51.44 1.50 0.00 | 59.15 2.05 0.00 | 93.32 4.09 0.00 | 68.83 3.89 0.00 | 64.60 4.19 0.00 | 107.03 6.44 0.00 | 71.37 4.12 0.00 | 45.41 2.48 0.00 | 42.06 2.30 0.00 | 41.38 2.12 0.00 |
| DANC___LFGE 323619 | 71.56 -0.28 0.00 | 37.28 -0.31 0.00 | 36.07 -0.33 0.00 | 35.68 -0.29 0.00 | 38.77 -0.17 0.00 | 40.66 -0.06 0.00 | 52.81 0.36 0.00 | 62.66 0.25 0.00 | 36.97 -0.20 0.00 | 37.20 -0.77 0.00 | 46.37 -1.38 0.00 | 37.74 -1.03 0.00 | 38.77 -1.19 0.00 | 47.26 -1.03 0.00 | 48.75 -1.19 0.00 | 55.90 -1.20 0.00 | 87.17 -2.07 0.00 | 63.31 -1.63 0.00 | 59.07 -1.35 0.00 | 99.80 -0.79 0.00 | 67.13 -0.11 0.00 | 41.84 -1.10 0.00 | 38.70 -1.20 -0.14 | 38.16 -1.36 -0.27 |
| DANSKAMMER___1 23586 | 73.63 1.79 0.00 | 38.70 1.11 0.00 | 37.45 1.06 0.00 | 37.08 1.11 0.00 | 40.09 1.15 0.00 | 42.18 1.46 0.00 | 54.92 2.48 0.00 | 65.90 3.49 0.00 | 39.18 2.01 0.00 | 39.53 1.57 0.00 | 49.50 1.75 0.00 | 40.24 1.47 0.00 | 41.29 1.34 0.00 | 49.76 1.47 0.00 | 51.67 1.73 0.00 | 59.60 2.49 0.00 | 93.29 4.06 0.00 | 68.28 3.34 0.00 | 64.00 3.58 0.00 | 106.23 5.64 0.00 | 70.93 3.68 0.00 | 45.20 2.26 0.00 | 41.64 1.89 0.00 | 40.78 1.52 0.00 |
| DANSKAMMER___2 23589 | 73.63 1.79 0.00 | 38.70 1.11 0.00 | 37.45 1.06 0.00 | 37.08 1.11 0.00 | 40.09 1.15 0.00 | 42.18 1.46 0.00 | 54.92 2.48 0.00 | 65.90 3.49 0.00 | 39.18 2.01 0.00 | 39.53 1.57 0.00 | 49.50 1.75 0.00 | 40.24 1.47 0.00 | 41.29 1.34 0.00 | 49.76 1.47 0.00 | 51.67 1.73 0.00 | 59.60 2.49 0.00 | 93.29 4.06 0.00 | 68.28 3.34 0.00 | 64.00 3.58 0.00 | 106.23 5.64 0.00 | 70.93 3.68 0.00 | 45.20 2.26 0.00 | 41.64 1.89 0.00 | 40.78 1.52 0.00 |
| DANSKAMMER___3 23590 | 73.63 1.79 0.00 | 38.70 1.11 0.00 | 37.45 1.06 0.00 | 37.08 1.11 0.00 | 40.09 1.15 0.00 | 42.18 1.46 0.00 | 54.92 2.48 0.00 | 65.90 3.49 0.00 | 39.18 2.01 0.00 | 39.53 1.57 0.00 | 49.50 1.75 0.00 | 40.24 1.47 0.00 | 41.29 1.34 0.00 | 49.76 1.47 0.00 | 51.67 1.73 0.00 | 59.60 2.49 0.00 | 93.29 4.06 0.00 | 68.28 3.34 0.00 | 64.00 3.58 0.00 | 106.23 5.64 0.00 | 70.93 3.68 0.00 | 45.20 2.26 0.00 | 41.64 1.89 0.00 | 40.78 1.52 0.00 |

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| DANSKAMMER___4 23591 | 73.63 1.79 0.00 | 38.70 1.11 0.00 | 37.45 1.06 0.00 | 37.08 1.11 0.00 | 40.09 1.15 0.00 | 42.18 1.46 0.00 | 54.92 2.48 0.00 | 65.90 3.49 0.00 | 39.18 2.01 0.00 | 39.53 1.57 0.00 | 49.50 1.75 0.00 | 40.24 1.47 0.00 | 41.29 1.34 0.00 | 49.76 1.47 0.00 | 51.67 1.73 0.00 | 59.60 2.49 0.00 | 93.29 4.06 0.00 | 68.28 3.34 0.00 | 64.00 3.58 0.00 | 106.23 5.64 0.00 | 70.93 3.68 0.00 | 45.20 2.26 0.00 | 41.64 1.89 0.00 | 40.78 1.52 0.00 |
| DANSKAMMER___DIESEL 23592 | 73.63 1.79 0.00 | 38.70 1.11 0.00 | 37.45 1.06 0.00 | 37.08 1.11 0.00 | 40.09 1.15 0.00 | 42.18 1.46 0.00 | 54.91 2.47 0.00 | 65.90 3.49 0.00 | 39.18 2.01 0.00 | 39.54 1.57 0.00 | 49.50 1.75 0.00 | 40.24 1.47 0.00 | 41.29 1.34 0.00 | 49.76 1.47 0.00 | 51.67 1.73 0.00 | 59.60 2.49 0.00 | 93.29 4.06 0.00 | 68.28 3.34 0.00 | 64.00 3.58 0.00 | 106.23 5.64 0.00 | 70.94 3.69 0.00 | 45.20 2.27 0.00 | 41.64 1.89 0.00 | 40.78 1.52 0.00 |
| DARBY___SOLAR 323810 | 73.77 1.93 0.00 | 38.89 1.30 0.00 | 37.67 1.27 0.00 | 37.26 1.29 0.00 | 40.26 1.32 0.00 | 42.23 1.51 0.00 | 55.00 2.56 0.00 | 65.87 3.45 0.00 | 39.05 1.88 0.00 | 39.40 1.44 0.00 | 49.36 1.62 0.00 | 39.95 1.19 0.00 | 41.01 1.06 0.00 | 49.57 1.28 0.00 | 51.38 1.45 0.00 | 59.07 1.96 0.00 | 93.16 3.93 0.00 | 68.69 3.75 0.00 | 64.44 4.02 0.00 | 106.74 6.15 0.00 | 71.20 3.96 0.00 | 45.33 2.39 0.00 | 41.99 2.23 0.00 | 41.31 2.06 0.00 |
| DASHVILLE___HYD 23610 | 73.09 1.25 0.00 | 38.42 0.83 0.00 | 37.19 0.79 0.00 | 36.81 0.84 0.00 | 39.79 0.86 0.00 | 41.85 1.13 0.00 | 54.41 1.97 0.00 | 65.30 2.89 0.00 | 38.86 1.69 0.00 | 39.22 1.26 0.00 | 49.12 1.38 0.00 | 39.93 1.16 0.00 | 41.00 1.05 0.00 | 49.34 1.05 0.00 | 51.09 1.16 0.00 | 58.86 1.76 0.00 | 92.27 3.04 0.00 | 67.69 2.75 0.00 | 63.44 3.02 0.00 | 105.27 4.69 0.00 | 70.29 3.04 0.00 | 44.81 1.88 0.00 | 41.30 1.54 0.00 | 40.46 1.21 0.00 |
| DEERFIELD_69_KV_DEERFIELD LD 355887 | 83.87 4.09 -7.94 | 51.40 2.32 -11.49 | 38.07 1.67 0.00 | 37.37 1.41 0.00 | 40.23 1.29 0.00 | 51.04 1.60 -8.72 | 87.24 2.67 -32.13 | 96.96 3.86 -30.69 | 40.95 2.30 -1.47 | 42.42 2.08 -2.38 | 50.23 2.48 0.00 | 40.71 1.94 0.00 | 41.41 1.46 0.00 | 49.70 1.41 0.00 | 51.88 1.94 0.00 | 71.59 2.57 -11.92 | 109.33 4.94 -15.16 | 104.41 5.11 -34.35 | 98.43 4.75 -33.26 | 147.74 7.60 -39.55 | 85.99 4.52 -14.22 | 74.20 2.61 -28.66 | 47.15 1.78 -5.61 | 48.29 1.55 -7.48 |
| DELAWARE___LFGE 323621 | 73.13 1.30 0.00 | 38.30 0.71 0.00 | 37.08 0.69 0.00 | 36.69 0.72 0.00 | 39.70 0.76 0.00 | 41.65 0.93 0.00 | 53.89 1.45 0.00 | 64.24 1.83 0.00 | 38.21 1.04 0.00 | 38.85 0.89 0.00 | 48.96 1.22 0.00 | 39.73 0.96 0.00 | 40.90 0.95 0.00 | 49.38 1.09 0.00 | 51.11 1.18 0.00 | 58.52 1.41 0.00 | 91.36 2.13 0.00 | 66.61 1.67 0.00 | 62.19 1.77 0.00 | 103.24 2.65 0.00 | 69.01 1.77 0.00 | 44.05 1.11 0.00 | 40.67 0.91 0.00 | 39.99 0.74 0.00 |
| DERFIELD_115KV_TB7 355931 | 71.56 -0.28 0.00 | 37.50 -0.09 0.00 | 36.32 -0.07 0.00 | 35.90 -0.07 0.00 | 38.86 -0.08 0.00 | 40.68 -0.03 0.00 | 52.51 0.07 0.00 | 62.61 0.20 0.00 | 37.24 0.07 0.00 | 37.92 -0.04 0.00 | 47.67 -0.08 0.00 | 38.72 -0.05 0.00 | 39.80 -0.15 0.00 | 48.14 -0.15 0.00 | 49.76 -0.18 0.00 | 56.98 -0.13 0.00 | 89.18 -0.05 0.00 | 65.06 0.11 0.00 | 60.62 0.20 0.00 | 100.87 0.29 0.00 | 67.42 0.18 0.00 | 43.01 0.08 0.00 | 39.81 0.05 0.00 | 39.25 -0.01 0.00 |
| DOGLEVILLE___HYD 23807 | 69.72 -2.13 0.00 | 36.89 -0.70 0.00 | 35.62 -0.77 0.00 | 35.32 -0.65 0.00 | 38.18 -0.76 0.00 | 40.18 -0.54 0.00 | 52.36 -0.08 0.00 | 62.56 0.15 0.00 | 36.48 -0.69 0.00 | 36.55 -1.41 0.00 | 46.14 -1.60 0.00 | 37.16 -1.61 0.00 | 37.82 -2.13 0.00 | 46.35 -1.95 0.00 | 47.60 -2.33 0.00 | 55.00 -2.11 0.00 | 87.52 -1.71 0.00 | 64.89 -0.05 0.00 | 61.14 0.72 0.00 | 101.06 0.48 0.00 | 67.45 0.21 0.00 | 43.16 0.23 0.00 | 39.82 0.06 0.00 | 39.08 -0.18 0.00 |
| DUNKIRK___115KV_TB_200 55889 | 72.25 0.41 0.00 | 36.98 -0.61 0.00 | 35.64 -0.76 0.00 | 35.24 -0.72 0.00 | 38.12 -0.82 0.00 | 39.79 -0.93 0.00 | 51.38 -1.06 0.00 | 59.47 -2.93 0.00 | 35.37 -1.80 0.00 | 37.03 -0.94 0.00 | 47.59 -0.16 0.00 | 38.63 -0.14 0.00 | 40.44 0.49 0.00 | 49.47 1.18 0.00 | 50.44 0.51 0.00 | 57.24 0.14 0.00 | 88.26 -0.97 0.00 | 63.10 -1.84 0.00 | 59.26 -1.16 0.00 | 98.05 -2.54 0.00 | 65.72 -1.52 0.00 | 41.84 -1.10 0.00 | 38.17 -1.59 0.00 | 37.83 -1.43 0.00 |
| DUNKIRK___1 23563 | 72.25 0.41 0.00 | 36.98 -0.61 0.00 | 35.64 -0.76 0.00 | 35.24 -0.72 0.00 | 38.12 -0.82 0.00 | 39.79 -0.93 0.00 | 51.38 -1.06 0.00 | 59.47 -2.93 0.00 | 35.37 -1.80 0.00 | 37.03 -0.94 0.00 | 47.59 -0.16 0.00 | 38.63 -0.14 0.00 | 40.44 0.49 0.00 | 49.47 1.18 0.00 | 50.44 0.51 0.00 | 57.24 0.14 0.00 | 88.26 -0.97 0.00 | 63.10 -1.84 0.00 | 59.26 -1.16 0.00 | 98.05 -2.54 0.00 | 65.72 -1.52 0.00 | 41.84 -1.10 0.00 | 38.17 -1.59 0.00 | 37.83 -1.43 0.00 |
| DUNKIRK___2 23564 | 72.25 0.41 0.00 | 36.98 -0.61 0.00 | 35.64 -0.76 0.00 | 35.24 -0.72 0.00 | 38.12 -0.82 0.00 | 39.79 -0.93 0.00 | 51.38 -1.06 0.00 | 59.47 -2.93 0.00 | 35.37 -1.80 0.00 | 37.03 -0.94 0.00 | 47.59 -0.16 0.00 | 38.63 -0.14 0.00 | 40.44 0.49 0.00 | 49.47 1.18 0.00 | 50.44 0.51 0.00 | 57.24 0.14 0.00 | 88.26 -0.97 0.00 | 63.10 -1.84 0.00 | 59.26 -1.16 0.00 | 98.05 -2.54 0.00 | 65.72 -1.52 0.00 | 41.84 -1.10 0.00 | 38.17 -1.59 0.00 | 37.83 -1.43 0.00 |
| DUNKIRK___3 23565 | 71.90 0.06 0.00 | 36.84 -0.75 0.00 | 35.54 -0.85 0.00 | 35.13 -0.84 0.00 | 38.02 -0.92 0.00 | 39.66 -1.06 0.00 | 51.17 -1.27 0.00 | 59.31 -3.10 0.00 | 35.36 -1.81 0.00 | 37.04 -0.92 0.00 | 47.58 -0.16 0.00 | 38.60 -0.17 0.00 | 40.34 0.39 0.00 | 49.29 0.99 0.00 | 50.47 0.53 0.00 | 57.26 0.15 0.00 | 88.31 -0.92 0.00 | 63.13 -1.82 0.00 | 59.20 -1.22 0.00 | 98.02 -2.56 0.00 | 65.72 -1.53 0.00 | 41.87 -1.07 0.00 | 38.25 -1.51 0.00 | 37.91 -1.35 0.00 |
| DUNKIRK___4 23566 | 71.90 0.06 0.00 | 36.84 -0.75 0.00 | 35.54 -0.85 0.00 | 35.13 -0.84 0.00 | 38.02 -0.92 0.00 | 39.66 -1.06 0.00 | 51.17 -1.27 0.00 | 59.31 -3.10 0.00 | 35.36 -1.81 0.00 | 37.04 -0.92 0.00 | 47.58 -0.16 0.00 | 38.60 -0.17 0.00 | 40.34 0.39 0.00 | 49.29 0.99 0.00 | 50.47 0.53 0.00 | 57.26 0.15 0.00 | 88.31 -0.92 0.00 | 63.13 -1.82 0.00 | 59.20 -1.22 0.00 | 98.02 -2.56 0.00 | 65.72 -1.53 0.00 | 41.87 -1.07 0.00 | 38.25 -1.51 0.00 | 37.91 -1.35 0.00 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 73.29 1.45 0.00 | 38.56 0.97 0.00 | 37.30 0.91 0.00 | 36.92 0.96 0.00 | 39.90 0.96 0.00 | 41.96 1.24 0.00 | 54.61 2.17 0.00 | 65.55 3.14 0.00 | 39.06 1.88 0.00 | 39.48 1.51 0.00 | 49.46 1.71 0.00 | 40.31 1.54 0.00 | 41.42 1.47 0.00 | 49.90 1.61 0.00 | 51.73 1.79 0.00 | 59.50 2.40 0.00 | 92.97 3.73 0.00 | 68.27 3.33 0.00 | 63.98 3.56 0.00 | 106.05 5.47 0.00 | 70.80 3.56 0.00 | 45.17 2.23 0.00 | 41.61 1.86 0.00 | 40.73 1.48 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 73.01 1.17 0.00 | 38.36 0.76 0.00 | 37.10 0.70 0.00 | 36.74 0.77 0.00 | 39.74 0.80 0.00 | 41.79 1.07 0.00 | 54.35 1.91 0.00 | 65.21 2.80 0.00 | 38.76 1.59 0.00 | 39.14 1.17 0.00 | 48.99 1.25 0.00 | 39.88 1.11 0.00 | 40.95 1.00 0.00 | 49.35 1.06 0.00 | 51.21 1.27 0.00 | 59.02 1.91 0.00 | 92.38 3.15 0.00 | 67.68 2.74 0.00 | 63.41 2.99 0.00 | 105.22 4.64 0.00 | 70.28 3.03 0.00 | 44.80 1.87 0.00 | 41.31 1.55 0.00 | 40.45 1.19 0.00 |

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| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 73.25 1.41 0.00 | 38.57 0.97 0.00 | 37.30 0.90 0.00 | 36.89 0.93 0.00 | 39.84 0.90 0.00 | 41.96 1.24 0.00 | 54.66 2.22 0.00 | 65.79 3.38 0.00 | 39.26 2.04 -0.05 | 39.54 1.57 0.00 | 49.52 1.77 0.00 | 40.43 1.66 0.00 | 41.50 1.55 0.00 | 49.99 1.70 0.00 | 51.83 1.89 0.00 | 59.57 2.46 0.00 | 93.14 3.91 0.00 | 68.27 3.33 0.00 | 63.94 3.52 0.00 | 106.12 5.54 0.00 | 70.84 3.60 0.00 | 45.23 2.30 0.00 | 41.63 1.87 0.00 | 40.73 1.47 0.00 |
| E179THST_13_KV_LOAD 356214 | 73.57 1.73 0.00 | 38.72 1.13 0.00 | 37.43 1.03 0.00 | 37.03 1.06 0.00 | 39.99 1.05 0.00 | 42.10 1.38 0.00 | 54.88 2.44 0.00 | 66.08 3.67 0.00 | 39.44 2.22 -0.05 | 39.72 1.76 0.00 | 49.75 2.01 0.00 | 40.62 1.85 0.00 | 41.70 1.75 0.00 | 50.23 1.94 0.00 | 52.08 2.14 0.00 | 59.85 2.74 0.00 | 93.62 4.39 0.00 | 68.60 3.66 0.00 | 64.27 3.85 0.00 | 106.68 6.10 0.00 | 71.21 3.96 0.00 | 45.45 2.52 0.00 | 41.82 2.06 0.00 | 40.90 1.65 0.00 |
| EAST HAMPTON___GT 23717 | 84.41 4.63 -7.94 | 51.73 2.65 -11.49 | 38.02 1.62 0.00 | 37.13 1.16 0.00 | 39.71 0.76 0.00 | 50.47 1.03 -8.72 | 86.52 1.95 -32.13 | 96.29 3.19 -30.69 | 40.74 2.10 -1.47 | 42.39 2.05 -2.38 | 50.42 2.67 0.00 | 40.87 2.11 0.00 | 41.51 1.56 0.00 | 49.76 1.46 0.00 | 51.87 1.94 0.00 | 71.22 2.20 -11.92 | 109.61 5.22 -15.16 | 104.66 5.37 -34.35 | 98.17 4.49 -33.26 | 147.57 7.42 -39.56 | 85.12 3.66 -14.22 | 73.51 1.92 -28.66 | 46.40 1.04 -5.61 | 47.73 1.00 -7.48 |
| EAST RIVER___6 23660 | 73.45 1.61 0.00 | 38.65 1.06 0.00 | 37.37 0.98 0.00 | 37.00 1.03 0.00 | 39.97 1.03 0.00 | 42.03 1.31 0.00 | 54.76 2.32 0.00 | 65.84 3.43 0.00 | 39.27 2.09 0.00 | 39.68 1.72 0.00 | 49.72 1.98 0.00 | 40.57 1.80 0.00 | 41.70 1.75 0.00 | 50.24 1.95 0.00 | 52.06 2.13 0.00 | 59.85 2.74 0.00 | 93.44 4.20 0.00 | 68.60 3.66 0.00 | 64.28 3.87 0.00 | 106.46 5.88 0.00 | 71.05 3.81 0.00 | 45.34 2.41 0.00 | 41.76 2.00 0.00 | 40.84 1.59 0.00 |
| EAST RIVER___7 23524 | 73.45 1.61 0.00 | 38.65 1.06 0.00 | 37.37 0.98 0.00 | 37.00 1.03 0.00 | 39.97 1.03 0.00 | 42.03 1.31 0.00 | 54.76 2.32 0.00 | 65.84 3.43 0.00 | 39.27 2.09 0.00 | 39.68 1.72 0.00 | 49.72 1.98 0.00 | 40.57 1.80 0.00 | 41.70 1.75 0.00 | 50.24 1.95 0.00 | 52.06 2.13 0.00 | 59.85 2.74 0.00 | 93.44 4.20 0.00 | 68.60 3.66 0.00 | 64.28 3.87 0.00 | 106.46 5.88 0.00 | 71.05 3.81 0.00 | 45.34 2.41 0.00 | 41.76 2.00 0.00 | 40.84 1.59 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 73.13 1.29 0.00 | 38.44 0.85 0.00 | 37.19 0.79 0.00 | 36.82 0.85 0.00 | 39.78 0.85 0.00 | 41.84 1.12 0.00 | 54.47 2.02 0.00 | 65.40 2.99 0.00 | 38.96 1.79 0.00 | 39.37 1.41 0.00 | 49.32 1.58 0.00 | 40.19 1.42 0.00 | 41.29 1.34 0.00 | 49.75 1.46 0.00 | 51.58 1.64 0.00 | 59.34 2.24 0.00 | 92.73 3.50 0.00 | 68.09 3.15 0.00 | 63.79 3.37 0.00 | 105.77 5.18 0.00 | 70.63 3.38 0.00 | 45.04 2.11 0.00 | 41.50 1.74 0.00 | 40.64 1.39 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 84.42 4.65 -7.94 | 51.73 2.65 -11.49 | 37.99 1.59 0.00 | 37.06 1.10 0.00 | 39.61 0.67 0.00 | 50.36 0.92 -8.72 | 86.37 1.80 -32.13 | 96.14 3.04 -30.69 | 40.69 2.04 -1.47 | 42.35 2.00 -2.38 | 50.39 2.64 0.00 | 40.87 2.10 0.00 | 41.48 1.53 0.00 | 49.72 1.43 0.00 | 51.84 1.90 0.00 | 71.20 2.17 -11.92 | 109.55 5.16 -15.16 | 104.64 5.35 -34.35 | 98.07 4.39 -33.26 | 147.43 7.29 -39.56 | 84.94 3.47 -14.22 | 73.38 1.79 -28.66 | 46.27 0.91 -5.61 | 47.62 0.89 -7.48 |
| EAST_POINT___SOLAR 323840 | 77.03 5.19 0.00 | 40.23 2.64 0.00 | 38.93 2.54 0.00 | 38.51 2.54 0.00 | 41.76 2.83 0.00 | 43.85 3.13 0.00 | 56.99 4.54 0.00 | 67.43 5.02 0.00 | 38.83 1.66 0.00 | 39.25 1.29 0.00 | 49.78 2.03 0.00 | 39.81 1.04 0.00 | 40.61 0.65 0.00 | 50.34 2.05 0.00 | 51.87 1.93 0.00 | 60.04 2.93 0.00 | 95.47 6.24 0.00 | 69.72 4.77 0.00 | 65.09 4.67 0.00 | 108.45 7.86 0.00 | 72.60 5.36 0.00 | 46.18 3.24 0.00 | 42.52 2.76 0.00 | 41.76 2.51 0.00 |
| EAST_PULASKI___ESR 323781 | 71.01 -0.83 0.00 | 37.05 -0.54 0.00 | 35.86 -0.53 0.00 | 35.46 -0.51 0.00 | 38.46 -0.48 0.00 | 40.25 -0.46 0.00 | 52.05 -0.39 0.00 | 61.79 -0.62 0.00 | 36.66 -0.52 0.00 | 37.22 -0.75 0.00 | 46.71 -1.03 0.00 | 37.94 -0.83 0.00 | 39.06 -0.89 0.00 | 47.47 -0.82 0.00 | 49.04 -0.89 0.00 | 56.11 -1.00 0.00 | 87.57 -1.66 0.00 | 63.67 -1.27 0.00 | 59.41 -1.01 0.00 | 99.43 -1.16 0.00 | 66.63 -0.62 0.00 | 42.12 -0.82 0.00 | 38.94 -0.82 0.00 | 38.41 -0.84 0.00 |
| EAST_RIVER___1 323558 | 73.40 1.56 0.00 | 38.60 1.01 0.00 | 37.33 0.93 0.00 | 36.95 0.98 0.00 | 39.91 0.98 0.00 | 41.98 1.26 0.00 | 54.70 2.26 0.00 | 65.76 3.35 0.00 | 39.20 2.03 0.00 | 39.62 1.65 0.00 | 49.64 1.89 0.00 | 40.50 1.73 0.00 | 41.64 1.68 0.00 | 50.16 1.87 0.00 | 51.98 2.04 0.00 | 59.76 2.65 0.00 | 93.30 4.07 0.00 | 68.49 3.55 0.00 | 64.19 3.77 0.00 | 106.36 5.78 0.00 | 70.98 3.74 0.00 | 45.29 2.35 0.00 | 41.70 1.94 0.00 | 40.80 1.55 0.00 |
| EAST_RIVER___2 323559 | 73.45 1.61 0.00 | 38.65 1.06 0.00 | 37.37 0.98 0.00 | 37.00 1.03 0.00 | 39.97 1.03 0.00 | 42.03 1.31 0.00 | 54.76 2.32 0.00 | 65.84 3.43 0.00 | 39.27 2.09 0.00 | 39.68 1.72 0.00 | 49.72 1.98 0.00 | 40.57 1.80 0.00 | 41.70 1.75 0.00 | 50.24 1.95 0.00 | 52.06 2.13 0.00 | 59.85 2.74 0.00 | 93.44 4.20 0.00 | 68.60 3.66 0.00 | 64.28 3.87 0.00 | 106.46 5.88 0.00 | 71.05 3.81 0.00 | 45.34 2.41 0.00 | 41.76 2.00 0.00 | 40.84 1.59 0.00 |
| EAST___DELAWARE_HYD 23607 | 73.61 1.76 0.00 | 38.77 1.18 0.00 | 37.53 1.13 0.00 | 37.19 1.22 0.00 | 40.25 1.31 0.00 | 42.34 1.63 0.00 | 55.08 2.64 0.00 | 65.95 3.54 0.00 | 39.12 1.95 0.00 | 39.52 1.56 0.00 | 49.50 1.76 0.00 | 40.19 1.42 0.00 | 41.18 1.23 0.00 | 49.61 1.32 0.00 | 52.28 2.35 0.00 | 60.87 3.76 0.00 | 95.22 5.99 0.00 | 69.81 4.87 0.00 | 65.45 5.03 0.00 | 108.25 7.67 0.00 | 71.94 4.69 0.00 | 45.79 2.86 0.00 | 42.17 2.40 0.00 | 41.31 2.06 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 71.78 -0.06 0.00 | 37.06 -0.53 0.00 | 35.57 -0.83 0.00 | 34.76 -1.20 0.00 | 37.96 -0.98 0.00 | 39.53 -1.19 0.00 | 50.72 -1.72 0.00 | 59.17 -3.24 0.00 | 34.46 -2.71 0.00 | 36.10 -1.86 0.00 | 45.65 -2.09 0.00 | 36.26 -2.51 0.00 | 37.80 -2.15 0.00 | 45.75 -2.54 0.00 | 47.41 -2.53 0.00 | 54.08 -3.03 0.00 | 83.52 -5.71 0.00 | 59.41 -5.53 0.00 | 55.95 -4.47 0.00 | 93.16 -7.42 0.00 | 62.38 -4.87 0.00 | 39.48 -3.45 0.00 | 36.34 -3.42 0.00 | 36.22 -3.04 0.00 |
| ELBRIDGE_115KV_TB2 80188 | 71.35 -0.49 0.00 | 37.25 -0.34 0.00 | 36.07 -0.33 0.00 | 35.64 -0.33 0.00 | 38.62 -0.32 0.00 | 40.37 -0.35 0.00 | 52.07 -0.37 0.00 | 61.81 -0.60 0.00 | 36.82 -0.36 0.00 | 37.70 -0.26 0.00 | 47.60 -0.15 0.00 | 38.62 -0.15 0.00 | 39.85 -0.10 0.00 | 48.26 -0.03 0.00 | 49.90 -0.04 0.00 | 56.89 -0.21 0.00 | 88.77 -0.46 0.00 | 64.56 -0.38 0.00 | 60.16 -0.26 0.00 | 100.02 -0.57 0.00 | 66.87 -0.37 0.00 | 42.65 -0.29 0.00 | 39.46 -0.30 0.00 | 39.07 -0.18 0.00 |
| ELEC_TRO_TEK 24086 | 90.12 2.06 -16.22 | 59.17 1.30 -20.28 | 37.57 1.18 0.00 | 37.18 1.22 0.00 | 40.26 1.32 -0.01 | 66.69 1.56 -24.41 | 124.66 2.50 -69.72 | 120.24 3.52 -54.31 | 49.90 2.10 -10.63 | 43.94 1.78 -4.20 | 49.84 2.08 -0.01 | 40.52 1.75 0.00 | 41.50 1.55 0.00 | 50.00 1.71 0.00 | 52.03 2.08 -0.01 | 80.87 2.73 -21.04 | 119.79 3.79 -26.77 | 129.28 3.66 -60.68 | 123.43 3.86 -59.16 | 178.77 6.00 -72.18 | 114.29 4.00 -43.04 | 148.71 2.45 -103.32 | 88.83 2.06 -47.01 | 81.61 1.71 -40.64 |

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| ELLENBURG_WT_PWR 323604 | 73.52 1.68 0.00 | 38.52 0.93 0.00 | 37.33 0.93 0.00 | 36.87 0.90 0.00 | 39.96 1.02 0.00 | 41.60 0.88 0.00 | 53.53 1.09 0.00 | 63.36 0.95 0.00 | 37.56 0.38 0.00 | 38.34 0.37 0.00 | 47.78 0.04 0.00 | 38.66 -0.11 0.00 | 39.96 0.01 0.00 | 48.23 -0.06 0.00 | 49.95 0.01 0.00 | 57.23 0.12 0.00 | 88.52 -0.71 0.00 | 64.26 -0.68 0.00 | 60.02 -0.40 0.00 | 100.64 0.06 0.00 | 67.28 0.04 0.00 | 42.66 -0.27 0.00 | 34.11 -0.74 4.91 | 28.72 -0.80 9.74 |
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 71.04 -0.81 0.00 | 36.51 -1.08 0.00 | 35.37 -1.03 0.00 | 34.84 -1.13 0.00 | 37.79 -1.14 0.00 | 39.36 -1.36 0.00 | 50.54 -1.90 0.00 | 58.50 -3.91 0.00 | 35.10 -2.08 0.00 | 37.05 -0.91 0.00 | 47.61 -0.13 0.00 | 38.41 -0.36 0.00 | 40.01 0.06 0.00 | 48.86 0.57 0.00 | 50.65 0.71 0.00 | 57.42 0.31 0.00 | 88.65 -0.58 0.00 | 63.19 -1.75 0.00 | 58.97 -1.45 0.00 | 98.02 -2.57 0.00 | 65.78 -1.47 0.00 | 42.10 -0.84 0.00 | 38.59 -1.17 0.00 | 38.24 -1.01 0.00 |
| EMPIRE_CC_1 323656 | 70.94 -0.90 0.00 | 37.56 -0.03 0.00 | 36.44 0.05 0.00 | 36.06 0.10 0.00 | 38.87 -0.07 0.00 | 40.71 0.00 0.00 | 52.83 0.38 0.00 | 63.49 1.08 0.00 | 37.61 0.44 0.00 | 38.08 0.12 0.00 | 47.68 -0.06 0.00 | 38.73 -0.04 0.00 | 39.84 -0.11 0.00 | 48.01 -0.28 0.00 | 49.66 -0.27 0.00 | 57.08 -0.03 0.00 | 90.43 1.20 0.00 | 66.42 1.48 0.00 | 61.64 1.23 0.00 | 102.07 1.48 0.00 | 68.22 0.98 0.00 | 43.56 0.63 0.00 | 40.44 0.68 0.00 | 39.89 0.64 0.00 |
| EMPIRE_CC_2 323658 | 70.94 -0.90 0.00 | 37.56 -0.03 0.00 | 36.44 0.05 0.00 | 36.06 0.10 0.00 | 38.87 -0.07 0.00 | 40.71 0.00 0.00 | 52.83 0.38 0.00 | 63.49 1.08 0.00 | 37.61 0.44 0.00 | 38.08 0.12 0.00 | 47.68 -0.06 0.00 | 38.73 -0.04 0.00 | 39.84 -0.11 0.00 | 48.01 -0.28 0.00 | 49.66 -0.27 0.00 | 57.08 -0.03 0.00 | 90.43 1.20 0.00 | 66.42 1.48 0.00 | 61.64 1.23 0.00 | 102.07 1.48 0.00 | 68.22 0.98 0.00 | 43.56 0.63 0.00 | 40.44 0.68 0.00 | 39.89 0.64 0.00 |
| ENORWICH_115KV_TB1 80156 | 76.58 4.73 0.00 | 39.97 2.38 0.00 | 38.73 2.33 0.00 | 38.40 2.44 0.00 | 41.65 2.71 0.00 | 43.87 3.16 0.00 | 57.02 4.58 0.00 | 67.64 5.22 0.00 | 39.68 2.51 0.00 | 39.70 1.74 0.00 | 50.58 2.84 0.00 | 41.08 2.31 0.00 | 41.97 2.01 0.00 | 50.59 2.30 0.00 | 52.31 2.37 0.00 | 60.25 3.14 0.00 | 93.32 4.09 0.00 | 67.72 2.78 0.00 | 62.30 1.88 0.00 | 104.29 3.71 0.00 | 69.44 2.19 0.00 | 43.89 0.95 0.00 | 40.24 0.48 0.00 | 39.50 0.25 0.00 |
| ERIE_ST__34_KV_TB1-2 80199 | 71.58 -0.27 0.00 | 36.80 -0.79 0.00 | 35.66 -0.74 0.00 | 35.14 -0.82 0.00 | 38.10 -0.83 0.00 | 39.71 -1.01 0.00 | 51.08 -1.36 0.00 | 59.32 -3.09 0.00 | 35.61 -1.56 0.00 | 37.53 -0.44 0.00 | 48.18 0.44 0.00 | 38.89 0.12 0.00 | 40.51 0.56 0.00 | 49.43 1.14 0.00 | 51.25 1.31 0.00 | 58.15 1.04 0.00 | 89.68 0.45 0.00 | 63.97 -0.98 0.00 | 59.74 -0.68 0.00 | 99.23 -1.36 0.00 | 66.56 -0.69 0.00 | 42.55 -0.39 0.00 | 38.96 -0.80 0.00 | 38.62 -0.64 0.00 |
| ERIE_WT_PWR 323693 | 71.39 -0.45 0.00 | 36.72 -0.87 0.00 | 35.57 -0.83 0.00 | 35.01 -0.95 0.00 | 38.01 -0.93 0.00 | 39.60 -1.12 0.00 | 50.88 -1.56 0.00 | 58.91 -3.50 0.00 | 35.34 -1.83 0.00 | 37.28 -0.68 0.00 | 47.91 0.16 0.00 | 38.65 -0.12 0.00 | 40.27 0.31 0.00 | 49.17 0.88 0.00 | 51.01 1.07 0.00 | 57.74 0.63 0.00 | 89.15 -0.09 0.00 | 63.59 -1.35 0.00 | 59.39 -1.03 0.00 | 98.67 -1.92 0.00 | 66.23 -1.01 0.00 | 42.40 -0.53 0.00 | 38.77 -0.99 0.00 | 38.45 -0.80 0.00 |
| ESPRGFLD_115KV_TB1 80157 | 76.19 4.35 0.00 | 39.71 2.13 0.00 | 38.40 2.00 0.00 | 37.96 1.99 0.00 | 41.17 2.23 0.00 | 43.20 2.48 0.00 | 55.97 3.52 0.00 | 66.31 3.90 0.00 | 39.13 1.95 0.00 | 39.81 1.85 0.00 | 50.49 2.74 0.00 | 40.75 1.97 0.00 | 41.93 1.98 0.00 | 50.89 2.59 0.00 | 52.69 2.75 0.00 | 60.20 3.09 0.00 | 93.90 4.67 0.00 | 68.23 3.28 0.00 | 63.39 2.97 0.00 | 105.57 4.99 0.00 | 70.72 3.47 0.00 | 45.06 2.13 0.00 | 41.53 1.77 0.00 | 40.81 1.55 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 73.01 1.17 0.00 | 38.06 0.46 0.00 | 36.84 0.44 0.00 | 36.43 0.46 0.00 | 39.49 0.55 0.00 | 41.35 0.63 0.00 | 53.55 1.11 0.00 | 63.58 1.17 0.00 | 37.73 0.56 0.00 | 38.41 0.44 0.00 | 48.64 0.90 0.00 | 39.46 0.69 0.00 | 40.59 0.64 0.00 | 49.15 0.86 0.00 | 50.93 1.00 0.00 | 58.40 1.29 0.00 | 90.97 1.75 0.00 | 66.15 1.21 0.00 | 61.67 1.25 0.00 | 102.60 2.02 0.00 | 68.56 1.32 0.00 | 43.61 0.67 0.00 | 40.18 0.42 0.00 | 39.65 0.40 0.00 |
| ETNA____115KV_TB2 80207 | 73.01 1.17 0.00 | 38.06 0.46 0.00 | 36.84 0.44 0.00 | 36.43 0.46 0.00 | 39.49 0.55 0.00 | 41.35 0.63 0.00 | 53.55 1.11 0.00 | 63.58 1.17 0.00 | 37.73 0.56 0.00 | 38.41 0.44 0.00 | 48.64 0.90 0.00 | 39.46 0.69 0.00 | 40.59 0.64 0.00 | 49.15 0.86 0.00 | 50.93 1.00 0.00 | 58.40 1.29 0.00 | 90.97 1.75 0.00 | 66.15 1.21 0.00 | 61.67 1.25 0.00 | 102.60 2.02 0.00 | 68.56 1.32 0.00 | 43.61 0.67 0.00 | 40.18 0.42 0.00 | 39.65 0.40 0.00 |
| EUCLID__115KV_TB2 356179 | 71.06 -0.77 0.00 | 37.12 -0.47 0.00 | 35.94 -0.46 0.00 | 35.52 -0.45 0.00 | 38.46 -0.48 0.00 | 40.21 -0.51 0.00 | 51.83 -0.61 0.00 | 61.55 -0.86 0.00 | 36.67 -0.51 0.00 | 37.52 -0.45 0.00 | 47.32 -0.43 0.00 | 38.40 -0.37 0.00 | 39.62 -0.33 0.00 | 48.00 -0.29 0.00 | 49.62 -0.32 0.00 | 56.64 -0.47 0.00 | 88.36 -0.87 0.00 | 64.21 -0.73 0.00 | 59.90 -0.52 0.00 | 99.64 -0.95 0.00 | 66.63 -0.61 0.00 | 42.51 -0.43 0.00 | 39.36 -0.40 0.00 | 38.91 -0.34 0.00 |
| E_CANADA_CAP_HY 24051 | 76.54 4.70 0.00 | 39.93 2.34 0.00 | 38.62 2.23 0.00 | 38.18 2.21 0.00 | 41.40 2.46 0.00 | 43.41 2.69 0.00 | 56.27 3.83 0.00 | 66.59 4.18 0.00 | 39.02 1.85 0.00 | 39.59 1.63 0.00 | 50.21 2.46 0.00 | 40.36 1.60 0.00 | 41.38 1.42 0.00 | 50.54 2.25 0.00 | 52.23 2.30 0.00 | 59.82 2.71 0.00 | 94.00 4.77 0.00 | 68.50 3.56 0.00 | 63.66 3.24 0.00 | 106.16 5.57 0.00 | 71.17 3.93 0.00 | 45.37 2.43 0.00 | 41.84 2.08 0.00 | 41.13 1.88 0.00 |
| E_CANADA_MHWK_HY 24050 | 69.72 -2.13 0.00 | 36.89 -0.70 0.00 | 35.62 -0.77 0.00 | 35.32 -0.65 0.00 | 38.18 -0.76 0.00 | 40.18 -0.54 0.00 | 52.36 -0.08 0.00 | 62.56 0.15 0.00 | 36.48 -0.69 0.00 | 36.55 -1.41 0.00 | 46.14 -1.60 0.00 | 37.16 -1.61 0.00 | 37.82 -2.13 0.00 | 46.35 -1.95 0.00 | 47.60 -2.33 0.00 | 55.00 -2.11 0.00 | 87.52 -1.71 0.00 | 64.89 -0.05 0.00 | 61.14 0.72 0.00 | 101.06 0.48 0.00 | 67.45 0.21 0.00 | 43.16 0.23 0.00 | 39.82 0.06 0.00 | 39.08 -0.18 0.00 |
| E_FISHKILL__LBMP 23776 | 72.65 0.81 0.00 | 38.22 0.63 0.00 | 36.99 0.60 0.00 | 36.62 0.65 0.00 | 39.57 0.63 0.00 | 41.60 0.88 0.00 | 54.10 1.65 0.00 | 64.93 2.52 0.00 | 38.66 1.49 0.00 | 39.08 1.12 0.00 | 48.95 1.20 0.00 | 39.86 1.09 0.00 | 40.96 1.01 0.00 | 49.34 1.05 0.00 | 51.11 1.17 0.00 | 58.79 1.68 0.00 | 91.97 2.74 0.00 | 67.52 2.58 0.00 | 63.26 2.84 0.00 | 104.89 4.30 0.00 | 70.03 2.78 0.00 | 44.66 1.72 0.00 | 41.19 1.43 0.00 | 40.36 1.11 0.00 |
| FALCON___SEABRD_CC1 323796 | 73.87 2.03 0.00 | 38.75 1.16 0.00 | 37.56 1.16 0.00 | 37.08 1.12 0.00 | 40.18 1.24 0.00 | 41.80 1.08 0.00 | 53.84 1.40 0.00 | 63.50 1.09 0.00 | 37.73 0.56 0.00 | 38.56 0.60 0.00 | 48.00 0.26 0.00 | 38.76 -0.01 0.00 | 40.04 0.09 0.00 | 48.37 0.07 0.00 | 50.09 0.15 0.00 | 57.49 0.38 0.00 | 88.80 -0.43 0.00 | 64.49 -0.45 0.00 | 60.46 0.05 0.00 | 101.28 0.70 0.00 | 67.69 0.45 0.00 | 42.95 0.01 0.00 | 34.38 -0.48 4.91 | 29.05 -0.47 9.74 |

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| FALCON___SEABRD_CC2 323797 | 73.87 2.03 0.00 | 38.75 1.16 0.00 | 37.56 1.16 0.00 | 37.08 1.12 0.00 | 40.18 1.24 0.00 | 41.80 1.08 0.00 | 53.84 1.40 0.00 | 63.50 1.09 0.00 | 37.73 0.56 0.00 | 38.56 0.60 0.00 | 48.00 0.26 0.00 | 38.76 -0.01 0.00 | 40.04 0.09 0.00 | 48.37 0.07 0.00 | 50.09 0.15 0.00 | 57.49 0.38 0.00 | 88.80 -0.43 0.00 | 64.49 -0.45 0.00 | 60.46 0.05 0.00 | 101.28 0.70 0.00 | 67.69 0.45 0.00 | 42.95 0.01 0.00 | 34.38 -0.48 4.91 | 29.05 -0.47 9.74 |
| FAR ROCKAWAY___4 23548 | 92.99 3.08 -18.07 | 58.24 1.80 -18.85 | 38.07 1.67 0.00 | 37.65 1.69 0.00 | 40.80 1.85 0.00 | 77.72 2.12 -34.87 | 138.04 3.23 -82.37 | 117.35 4.25 -50.68 | 61.11 2.62 -21.32 | 44.17 2.30 -3.90 | 50.52 2.76 -0.02 | 41.07 2.30 0.00 | 42.04 2.09 0.00 | 50.64 2.35 0.00 | 52.72 2.78 -0.01 | 80.19 3.52 -19.56 | 119.05 4.90 -24.92 | 125.74 4.41 -56.39 | 120.03 4.55 -55.06 | 175.81 7.10 -68.13 | 135.44 4.72 -63.48 | 211.45 2.85 -165.66 | 135.20 2.43 -93.02 | 113.54 2.12 -72.16 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 73.41 1.57 0.00 | 38.60 1.01 0.00 | 37.34 0.94 0.00 | 36.95 0.99 0.00 | 39.92 0.99 0.00 | 41.99 1.28 0.00 | 54.71 2.27 0.00 | 65.79 3.38 0.00 | 39.21 2.04 0.00 | 39.62 1.66 0.00 | 49.66 1.91 0.00 | 40.51 1.74 0.00 | 41.63 1.68 0.00 | 50.15 1.86 0.00 | 51.97 2.03 0.00 | 59.74 2.63 0.00 | 93.30 4.07 0.00 | 68.49 3.55 0.00 | 64.18 3.76 0.00 | 106.36 5.78 0.00 | 70.99 3.74 0.00 | 45.29 2.35 0.00 | 41.71 1.95 0.00 | 40.80 1.55 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 73.45 1.61 0.00 | 38.62 1.03 0.00 | 37.35 0.95 0.00 | 36.98 1.01 0.00 | 39.94 1.00 0.00 | 42.02 1.30 0.00 | 54.73 2.29 0.00 | 65.82 3.41 0.00 | 39.23 2.06 0.00 | 39.63 1.67 0.00 | 49.67 1.93 0.00 | 40.52 1.75 0.00 | 41.64 1.69 0.00 | 50.16 1.87 0.00 | 51.98 2.04 0.00 | 59.77 2.66 0.00 | 93.33 4.10 0.00 | 68.52 3.58 0.00 | 64.21 3.80 0.00 | 106.45 5.86 0.00 | 71.01 3.76 0.00 | 45.32 2.38 0.00 | 41.73 1.97 0.00 | 40.83 1.57 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 73.38 1.53 0.00 | 38.59 1.00 0.00 | 37.32 0.92 0.00 | 36.94 0.98 0.00 | 39.91 0.97 0.00 | 41.97 1.26 0.00 | 54.69 2.25 0.00 | 65.76 3.35 0.00 | 39.20 2.03 0.00 | 39.61 1.65 0.00 | 49.63 1.89 0.00 | 40.49 1.72 0.00 | 41.61 1.66 0.00 | 50.14 1.85 0.00 | 51.95 2.01 0.00 | 59.72 2.62 0.00 | 93.27 4.04 0.00 | 68.47 3.53 0.00 | 64.16 3.74 0.00 | 106.32 5.74 0.00 | 70.94 3.69 0.00 | 45.26 2.33 0.00 | 41.68 1.92 0.00 | 40.79 1.53 0.00 |
| FARRAGUT___LBMP 323566 | 73.32 1.48 0.00 | 38.56 0.97 0.00 | 37.30 0.91 0.00 | 36.92 0.95 0.00 | 39.88 0.94 0.00 | 41.95 1.23 0.00 | 54.65 2.21 0.00 | 65.71 3.30 0.00 | 39.16 1.99 0.00 | 39.57 1.61 0.00 | 49.58 1.83 0.00 | 40.45 1.68 0.00 | 41.57 1.62 0.00 | 50.08 1.79 0.00 | 51.89 1.95 0.00 | 59.66 2.55 0.00 | 93.18 3.95 0.00 | 68.41 3.47 0.00 | 64.10 3.68 0.00 | 106.25 5.66 0.00 | 70.88 3.63 0.00 | 45.24 2.30 0.00 | 41.65 1.90 0.00 | 40.76 1.51 0.00 |
| FENNER___WINDPWR 24204 | 73.07 1.23 0.00 | 38.12 0.53 0.00 | 36.90 0.51 0.00 | 36.50 0.54 0.00 | 39.53 0.59 0.00 | 41.42 0.70 0.00 | 53.62 1.18 0.00 | 63.73 1.32 0.00 | 37.78 0.61 0.00 | 38.47 0.51 0.00 | 48.52 0.77 0.00 | 39.31 0.54 0.00 | 40.39 0.43 0.00 | 49.08 0.78 0.00 | 50.68 0.74 0.00 | 58.16 1.05 0.00 | 90.81 1.58 0.00 | 66.04 1.10 0.00 | 61.60 1.18 0.00 | 102.75 2.16 0.00 | 68.63 1.39 0.00 | 43.67 0.74 0.00 | 40.23 0.47 0.00 | 39.64 0.39 0.00 |
| FIBERTEK___ENERGY 23856 | 71.73 -0.11 0.00 | 37.46 -0.14 0.00 | 36.26 -0.14 0.00 | 35.84 -0.13 0.00 | 38.83 -0.11 0.00 | 40.59 -0.13 0.00 | 52.38 -0.06 0.00 | 62.19 -0.22 0.00 | 37.03 -0.14 0.00 | 37.90 -0.07 0.00 | 47.81 0.06 0.00 | 38.77 0.01 0.00 | 40.04 0.09 0.00 | 48.52 0.23 0.00 | 50.14 0.20 0.00 | 57.22 0.11 0.00 | 89.28 0.05 0.00 | 64.91 -0.03 0.00 | 60.55 0.13 0.00 | 100.68 0.10 0.00 | 67.31 0.06 0.00 | 42.91 -0.03 0.00 | 39.69 -0.07 0.00 | 39.27 0.01 0.00 |
| FITZPATRICK____ 23598 | 70.08 -1.76 0.00 | 36.64 -0.95 0.00 | 35.48 -0.91 0.00 | 35.07 -0.90 0.00 | 37.96 -0.97 0.00 | 39.65 -1.07 0.00 | 50.99 -1.45 0.00 | 60.57 -1.83 0.00 | 36.10 -1.07 0.00 | 36.91 -1.05 0.00 | 46.51 -1.23 0.00 | 37.77 -1.00 0.00 | 38.93 -1.02 0.00 | 47.12 -1.17 0.00 | 48.69 -1.24 0.00 | 55.55 -1.56 0.00 | 86.71 -2.52 0.00 | 63.06 -1.88 0.00 | 58.78 -1.64 0.00 | 97.75 -2.84 0.00 | 65.38 -1.87 0.00 | 41.76 -1.18 0.00 | 38.75 -1.01 0.00 | 38.36 -0.89 0.00 |
| FLOWRFLD_69_KV_BK1 356044 | 82.68 2.87 -7.96 | 50.79 1.68 -11.52 | 37.83 1.44 0.00 | 37.38 1.41 0.00 | 40.47 1.53 0.00 | 51.32 1.83 -8.77 | 87.56 2.87 -32.25 | 97.11 3.94 -30.77 | 40.92 2.25 -1.50 | 42.24 1.90 -2.38 | 49.86 2.12 0.00 | 40.43 1.66 0.00 | 41.26 1.31 0.00 | 49.61 1.32 0.00 | 51.78 1.84 0.00 | 71.85 2.79 -11.95 | 108.48 4.05 -15.20 | 103.53 4.14 -34.45 | 98.11 4.29 -33.40 | 147.00 6.56 -39.85 | 86.30 4.56 -14.49 | 75.15 2.84 -29.37 | 48.03 2.27 -6.01 | 48.95 1.87 -7.83 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 73.75 1.91 0.00 | 38.77 1.18 0.00 | 37.50 1.11 0.00 | 37.13 1.16 0.00 | 40.15 1.21 0.00 | 42.25 1.53 0.00 | 55.01 2.57 0.00 | 66.02 3.61 0.00 | 39.26 2.08 0.00 | 39.61 1.65 0.00 | 49.59 1.85 0.00 | 40.32 1.55 0.00 | 41.37 1.42 0.00 | 49.85 1.56 0.00 | 51.77 1.84 0.00 | 59.71 2.61 0.00 | 93.47 4.24 0.00 | 68.43 3.49 0.00 | 64.15 3.73 0.00 | 106.47 5.88 0.00 | 71.09 3.84 0.00 | 45.29 2.35 0.00 | 41.73 1.98 0.00 | 40.86 1.61 0.00 |
| FORT ORANGE____ 23900 | 71.28 -0.56 0.00 | 37.68 0.08 0.00 | 36.52 0.12 0.00 | 36.14 0.18 0.00 | 39.00 0.07 0.00 | 40.89 0.17 0.00 | 53.03 0.58 0.00 | 63.55 1.14 0.00 | 37.71 0.53 0.00 | 38.16 0.19 0.00 | 47.74 -0.01 0.00 | 38.81 0.04 0.00 | 39.90 -0.05 0.00 | 48.11 -0.19 0.00 | 49.71 -0.23 0.00 | 57.12 0.01 0.00 | 90.29 1.06 0.00 | 66.35 1.41 0.00 | 61.97 1.55 0.00 | 102.80 2.22 0.00 | 68.61 1.37 0.00 | 43.76 0.82 0.00 | 40.57 0.81 0.00 | 39.90 0.64 0.00 |
| FORT_DRUM_COGEN 23780 | 72.76 0.92 0.00 | 37.86 0.26 0.00 | 36.61 0.22 0.00 | 36.23 0.27 0.00 | 39.43 0.49 0.00 | 41.45 0.73 0.00 | 54.05 1.61 0.00 | 64.07 1.66 0.00 | 37.58 0.40 0.00 | 37.45 -0.51 0.00 | 46.31 -1.44 0.00 | 37.84 -0.93 0.00 | 38.84 -1.11 0.00 | 47.48 -0.81 0.00 | 48.97 -0.97 0.00 | 56.36 -0.75 0.00 | 87.97 -1.26 0.00 | 63.91 -1.03 0.00 | 59.63 -0.79 0.00 | 101.43 0.84 0.00 | 68.33 1.09 0.00 | 42.21 -0.73 0.00 | 38.99 -0.99 -0.22 | 38.39 -1.30 -0.44 |
| FOX_HILLS___ESR 323835 | 86.25 2.15 -12.26 | 57.72 1.30 -18.82 | 57.00 1.24 -19.37 | 56.93 1.29 -19.68 | 56.93 1.32 -16.68 | 57.43 1.62 -15.09 | 64.48 2.61 -9.42 | 73.83 3.65 -7.77 | 59.21 2.32 -19.71 | 59.12 1.91 -19.25 | 62.27 2.20 -12.32 | 58.86 2.00 -18.09 | 56.97 1.92 -15.10 | 62.46 2.16 -12.01 | 63.05 2.29 -10.82 | 66.65 2.95 -6.60 | 105.74 4.45 -12.05 | 101.01 3.87 -32.20 | 100.96 4.02 -36.52 | 106.82 6.21 -0.02 | 75.53 4.14 -4.15 | 63.18 2.67 -17.57 | 57.71 2.26 -15.69 | 56.93 1.89 -15.78 |
| FPL FAR_ROCK_GT1 24212 | 92.99 3.08 -18.07 | 58.25 1.81 -18.85 | 38.07 1.67 0.00 | 37.66 1.69 0.00 | 40.80 1.86 0.00 | 77.72 2.12 -34.87 | 138.04 3.23 -82.37 | 117.35 4.25 -50.68 | 61.12 2.62 -21.32 | 44.17 2.30 -3.90 | 50.51 2.75 -0.02 | 41.06 2.30 0.00 | 42.04 2.09 0.00 | 50.64 2.35 0.00 | 52.72 2.78 -0.01 | 80.19 3.52 -19.56 | 119.04 4.90 -24.92 | 125.74 4.41 -56.39 | 120.03 4.55 -55.06 | 175.81 7.10 -68.13 | 135.44 4.72 -63.48 | 211.44 2.85 -165.66 | 135.20 2.43 -93.02 | 113.54 2.12 -72.16 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|
| FPL FAR_ROCK_GT2 23815 | 92.99 3.08 -18.07 | 58.25 1.81 -18.85 | 38.07 1.67 0.00 | 37.66 1.69 0.00 | 40.80 1.86 0.00 | 77.72 2.12 -34.87 | 138.04 3.23 -82.37 | 117.35 4.25 -50.68 | 61.12 2.62 -21.32 | 44.17 2.30 -3.90 | 50.51 2.75 -0.02 | 41.06 2.30 0.00 | 42.04 2.09 0.00 | 50.64 2.35 0.00 | 52.72 2.78 -0.01 | 80.19 3.52 -19.56 | 119.04 4.90 -24.92 | 125.74 4.41 -56.39 | 120.03 4.55 -55.06 | 175.81 7.10 -68.13 | 135.44 4.72 -63.48 | 211.44 2.85 -165.66 | 135.20 2.43 -93.02 | 113.54 2.12 -72.16 |
| FRANKLIN_FALL_HYD 24054 | 74.35 2.51 0.00 | 38.87 1.28 0.00 | 37.65 1.26 0.00 | 37.19 1.22 0.00 | 40.34 1.40 0.00 | 42.03 1.31 0.00 | 54.20 1.76 0.00 | 64.22 1.81 0.00 | 38.03 0.85 0.00 | 38.68 0.72 0.00 | 48.22 0.47 0.00 | 38.92 0.15 0.00 | 40.28 0.33 0.00 | 48.66 0.36 0.00 | 50.40 0.46 0.00 | 57.79 0.68 0.00 | 89.68 0.45 0.00 | 65.13 0.18 0.00 | 60.69 0.27 0.00 | 101.97 1.38 0.00 | 68.22 0.98 0.00 | 43.25 0.31 0.00 | 43.00 -0.22 -3.47 | 45.85 -0.28 -6.88 |
| FREEPORT_EQUS_GT1 23764 | 86.42 2.11 -12.47 | 54.47 1.46 -15.42 | 37.71 1.32 0.00 | 37.30 1.33 0.00 | 40.40 1.46 0.00 | 61.47 1.64 -19.12 | 108.77 2.52 -53.81 | 107.28 3.56 -41.30 | 47.56 2.21 -8.18 | 43.02 1.87 -3.19 | 49.76 2.01 -0.01 | 40.45 1.68 0.00 | 41.38 1.43 0.00 | 49.86 1.57 0.00 | 52.07 2.13 -0.01 | 75.93 2.82 -16.00 | 113.20 3.68 -20.29 | 114.82 3.65 -46.23 | 109.91 3.97 -45.52 | 162.34 6.25 -55.50 | 105.06 4.21 -33.61 | 126.60 2.70 -80.95 | 79.48 2.27 -37.45 | 74.61 1.95 -33.40 |
| FREEPORT___CT2 23818 | 86.42 2.11 -12.47 | 54.47 1.46 -15.42 | 37.71 1.32 0.00 | 37.30 1.33 0.00 | 40.40 1.46 0.00 | 61.47 1.64 -19.12 | 108.77 2.52 -53.81 | 107.28 3.56 -41.30 | 47.56 2.21 -8.18 | 43.02 1.87 -3.19 | 49.76 2.01 -0.01 | 40.45 1.68 0.00 | 41.38 1.43 0.00 | 49.86 1.57 0.00 | 52.07 2.13 -0.01 | 75.93 2.82 -16.00 | 113.20 3.68 -20.29 | 114.82 3.65 -46.23 | 109.91 3.97 -45.52 | 162.34 6.25 -55.50 | 105.06 4.21 -33.61 | 126.60 2.70 -80.95 | 79.48 2.27 -37.45 | 74.61 1.95 -33.40 |
| FRESHKLS_33_KV_LOAD 356253 | 86.22 2.12 -12.26 | 57.72 1.30 -18.82 | 57.01 1.24 -19.37 | 56.94 1.29 -19.68 | 56.95 1.33 -16.68 | 57.42 1.61 -15.09 | 64.41 2.55 -9.42 | 73.71 3.53 -7.77 | 59.17 2.29 -19.71 | 59.08 1.87 -19.25 | 62.22 2.15 -12.32 | 58.80 1.94 -18.09 | 56.91 1.86 -15.10 | 62.39 2.09 -12.01 | 62.94 2.18 -10.82 | 66.54 2.83 -6.60 | 105.55 4.26 -12.05 | 100.89 3.74 -32.20 | 100.83 3.89 -36.52 | 106.66 6.05 -0.02 | 75.52 4.12 -4.15 | 63.17 2.66 -17.57 | 57.71 2.26 -15.69 | 56.94 1.90 -15.78 |
| FULTON COGEN____ 23766 | 70.68 -1.16 0.00 | 36.92 -0.67 0.00 | 35.75 -0.65 0.00 | 35.33 -0.64 0.00 | 38.27 -0.67 0.00 | 40.01 -0.71 0.00 | 51.57 -0.87 0.00 | 61.25 -1.16 0.00 | 36.48 -0.69 0.00 | 37.30 -0.66 0.00 | 47.01 -0.74 0.00 | 38.11 -0.66 0.00 | 39.32 -0.63 0.00 | 47.69 -0.60 0.00 | 49.29 -0.65 0.00 | 56.25 -0.86 0.00 | 87.80 -1.43 0.00 | 63.88 -1.06 0.00 | 59.58 -0.84 0.00 | 99.14 -1.44 0.00 | 66.29 -0.96 0.00 | 42.26 -0.68 0.00 | 39.15 -0.61 0.00 | 38.70 -0.55 0.00 |
| FULTON___LFGE 323630 | 75.96 4.12 0.00 | 39.73 2.14 0.00 | 38.44 2.05 0.00 | 38.02 2.05 0.00 | 41.19 2.26 0.00 | 43.24 2.53 0.00 | 56.13 3.69 0.00 | 66.60 4.19 0.00 | 39.01 1.83 0.00 | 39.47 1.51 0.00 | 49.92 2.18 0.00 | 40.02 1.25 0.00 | 40.75 0.80 0.00 | 49.94 1.65 0.00 | 51.64 1.70 0.00 | 59.42 2.31 0.00 | 94.14 4.91 0.00 | 68.94 4.00 0.00 | 64.33 3.92 0.00 | 107.10 6.51 0.00 | 71.69 4.45 0.00 | 45.67 2.73 0.00 | 42.09 2.33 0.00 | 41.39 2.14 0.00 |
| G.F.CEMENT___DRP 24184 | 74.93 3.09 0.00 | 39.49 1.90 0.00 | 38.20 1.80 0.00 | 37.78 1.81 0.00 | 40.85 1.91 0.00 | 42.80 2.08 0.00 | 55.94 3.50 0.00 | 67.13 4.72 0.00 | 39.86 2.68 0.00 | 40.20 2.23 0.00 | 50.28 2.53 0.00 | 40.62 1.85 0.00 | 41.72 1.77 0.00 | 50.40 2.11 0.00 | 52.13 2.20 0.00 | 59.95 2.84 0.00 | 94.66 5.43 0.00 | 69.86 4.92 0.00 | 65.66 5.24 0.00 | 108.60 8.01 0.00 | 72.40 5.16 0.00 | 46.05 3.11 0.00 | 42.67 2.91 0.00 | 41.94 2.69 0.00 |
| GARDENVILLE___LBMP 24039 | 71.23 -0.61 0.00 | 36.61 -0.98 0.00 | 35.47 -0.93 0.00 | 34.93 -1.04 0.00 | 37.89 -1.04 0.00 | 39.48 -1.24 0.00 | 50.73 -1.71 0.00 | 58.74 -3.67 0.00 | 35.23 -1.94 0.00 | 37.15 -0.81 0.00 | 47.73 -0.01 0.00 | 38.53 -0.24 0.00 | 40.14 0.18 0.00 | 49.02 0.73 0.00 | 50.76 0.83 0.00 | 57.55 0.44 0.00 | 88.81 -0.42 0.00 | 63.33 -1.61 0.00 | 59.14 -1.28 0.00 | 98.26 -2.33 0.00 | 65.96 -1.28 0.00 | 42.19 -0.75 0.00 | 38.65 -1.11 0.00 | 38.31 -0.95 0.00 |
| GARDNVLA_35_KV_LD 355827 | 71.56 -0.28 0.00 | 36.77 -0.82 0.00 | 35.62 -0.77 0.00 | 35.08 -0.89 0.00 | 38.07 -0.87 0.00 | 39.66 -1.06 0.00 | 51.00 -1.45 0.00 | 59.05 -3.36 0.00 | 35.45 -1.72 0.00 | 37.41 -0.56 0.00 | 48.08 0.33 0.00 | 38.77 0.00 0.00 | 40.39 0.44 0.00 | 49.33 1.04 0.00 | 51.16 1.22 0.00 | 57.96 0.85 0.00 | 89.49 0.26 0.00 | 63.81 -1.13 0.00 | 59.56 -0.85 0.00 | 99.01 -1.57 0.00 | 66.45 -0.80 0.00 | 42.51 -0.43 0.00 | 38.89 -0.87 0.00 | 38.55 -0.70 0.00 |
| GELCKHM___115KV_LOAD 80723 | 71.28 -0.56 0.00 | 37.23 -0.36 0.00 | 36.04 -0.36 0.00 | 35.62 -0.34 0.00 | 38.58 -0.35 0.00 | 40.33 -0.39 0.00 | 52.01 -0.43 0.00 | 61.75 -0.66 0.00 | 36.78 -0.39 0.00 | 37.64 -0.33 0.00 | 47.47 -0.27 0.00 | 38.51 -0.26 0.00 | 39.75 -0.21 0.00 | 48.17 -0.12 0.00 | 49.78 -0.15 0.00 | 56.82 -0.29 0.00 | 88.64 -0.59 0.00 | 64.45 -0.49 0.00 | 60.11 -0.31 0.00 | 99.97 -0.61 0.00 | 66.85 -0.40 0.00 | 42.63 -0.30 0.00 | 39.47 -0.29 0.00 | 39.03 -0.23 0.00 |
| GENERAL___MILLS 23808 | 71.40 -0.44 0.00 | 36.70 -0.89 0.00 | 35.56 -0.84 0.00 | 35.01 -0.95 0.00 | 37.99 -0.95 0.00 | 39.58 -1.14 0.00 | 50.85 -1.59 0.00 | 58.89 -3.52 0.00 | 35.34 -1.83 0.00 | 37.27 -0.69 0.00 | 47.90 0.15 0.00 | 38.65 -0.12 0.00 | 40.27 0.31 0.00 | 49.17 0.88 0.00 | 50.96 1.03 0.00 | 57.76 0.65 0.00 | 89.16 -0.08 0.00 | 63.57 -1.37 0.00 | 59.35 -1.06 0.00 | 98.63 -1.96 0.00 | 66.21 -1.04 0.00 | 42.35 -0.58 0.00 | 38.77 -0.99 0.00 | 38.44 -0.82 0.00 |
| GE_PLASTICS___DRP 24183 | 71.35 -0.49 0.00 | 37.65 0.06 0.00 | 36.48 0.08 0.00 | 36.10 0.14 0.00 | 38.98 0.04 0.00 | 40.86 0.14 0.00 | 52.93 0.49 0.00 | 63.38 0.97 0.00 | 37.71 0.53 0.00 | 38.22 0.26 0.00 | 47.87 0.12 0.00 | 38.93 0.16 0.00 | 40.02 0.07 0.00 | 48.28 -0.01 0.00 | 49.91 -0.03 0.00 | 57.31 0.20 0.00 | 90.17 0.95 0.00 | 66.15 1.21 0.00 | 61.78 1.36 0.00 | 102.45 1.86 0.00 | 68.41 1.17 0.00 | 43.67 0.73 0.00 | 40.46 0.70 0.00 | 39.80 0.55 0.00 |
| GILBOA___1 23756 | 72.01 0.17 0.00 | 37.85 0.26 0.00 | 36.66 0.26 0.00 | 36.27 0.30 0.00 | 39.20 0.26 0.00 | 41.11 0.39 0.00 | 53.08 0.63 0.00 | 63.47 1.06 0.00 | 37.94 0.76 0.00 | 38.48 0.51 0.00 | 48.29 0.55 0.00 | 39.24 0.47 0.00 | 40.38 0.42 0.00 | 48.72 0.43 0.00 | 50.42 0.48 0.00 | 57.77 0.66 0.00 | 90.41 1.18 0.00 | 66.15 1.21 0.00 | 61.87 1.45 0.00 | 102.49 1.90 0.00 | 68.49 1.25 0.00 | 43.86 0.93 0.00 | 40.56 0.80 0.00 | 39.88 0.63 0.00 |
| GILBOA___2 23757 | 72.01 0.17 0.00 | 37.85 0.26 0.00 | 36.66 0.26 0.00 | 36.27 0.30 0.00 | 39.20 0.26 0.00 | 41.11 0.39 0.00 | 53.08 0.63 0.00 | 63.47 1.06 0.00 | 37.94 0.76 0.00 | 38.48 0.51 0.00 | 48.29 0.55 0.00 | 39.24 0.47 0.00 | 40.38 0.42 0.00 | 48.72 0.43 0.00 | 50.42 0.48 0.00 | 57.77 0.66 0.00 | 90.41 1.18 0.00 | 66.15 1.21 0.00 | 61.87 1.45 0.00 | 102.49 1.90 0.00 | 68.49 1.25 0.00 | 43.86 0.93 0.00 | 40.56 0.80 0.00 | 39.88 0.63 0.00 |

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|--------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| GILBOA___3 23758 | 72.01 0.17 0.00 | 37.85 0.26 0.00 | 36.66 0.26 0.00 | 36.27 0.30 0.00 | 39.20 0.26 0.00 | 41.11 0.39 0.00 | 53.08 0.63 0.00 | 63.47 1.06 0.00 | 37.94 0.76 0.00 | 38.48 0.51 0.00 | 48.29 0.55 0.00 | 39.24 0.47 0.00 | 40.38 0.42 0.00 | 48.72 0.43 0.00 | 50.42 0.48 0.00 | 57.77 0.66 0.00 | 90.41 1.18 0.00 | 66.15 1.21 0.00 | 61.87 1.45 0.00 | 102.49 1.90 0.00 | 68.49 1.25 0.00 | 43.86 0.93 0.00 | 40.56 0.80 0.00 | 39.88 0.63 0.00 |
| GILBOA___4 23759 | 72.01 0.17 0.00 | 37.85 0.26 0.00 | 36.66 0.26 0.00 | 36.27 0.30 0.00 | 39.20 0.26 0.00 | 41.11 0.39 0.00 | 53.08 0.63 0.00 | 63.47 1.06 0.00 | 37.94 0.76 0.00 | 38.48 0.51 0.00 | 48.29 0.55 0.00 | 39.24 0.47 0.00 | 40.38 0.42 0.00 | 48.72 0.43 0.00 | 50.42 0.48 0.00 | 57.77 0.66 0.00 | 90.41 1.18 0.00 | 66.15 1.21 0.00 | 61.87 1.45 0.00 | 102.49 1.90 0.00 | 68.49 1.25 0.00 | 43.86 0.93 0.00 | 40.56 0.80 0.00 | 39.88 0.63 0.00 |
| GILBOA___ 23599 | 72.01 0.17 0.00 | 37.85 0.26 0.00 | 36.65 0.26 0.00 | 36.27 0.30 0.00 | 39.20 0.26 0.00 | 41.11 0.39 0.00 | 53.08 0.63 0.00 | 63.47 1.06 0.00 | 37.94 0.76 0.00 | 38.48 0.51 0.00 | 48.29 0.55 0.00 | 39.24 0.47 0.00 | 40.38 0.42 0.00 | 48.72 0.43 0.00 | 50.42 0.48 0.00 | 57.77 0.66 0.00 | 90.42 1.19 0.00 | 66.15 1.21 0.00 | 61.87 1.45 0.00 | 102.48 1.89 0.00 | 68.49 1.25 0.00 | 43.86 0.92 0.00 | 40.56 0.80 0.00 | 39.88 0.63 0.00 |
| GINNA___ 23603 | 68.52 -3.32 0.00 | 35.55 -2.04 0.00 | 34.43 -1.97 0.00 | 33.98 -1.98 0.00 | 36.86 -2.08 0.00 | 38.52 -2.20 0.00 | 49.68 -2.76 0.00 | 58.42 -3.99 0.00 | 34.90 -2.28 0.00 | 36.21 -1.76 0.00 | 45.99 -1.75 0.00 | 37.21 -1.56 0.00 | 38.62 -1.33 0.00 | 46.95 -1.34 0.00 | 48.67 -1.27 0.00 | 55.40 -1.71 0.00 | 86.07 -3.16 0.00 | 62.10 -2.84 0.00 | 57.86 -2.56 0.00 | 96.24 -4.34 0.00 | 64.43 -2.81 0.00 | 41.09 -1.85 0.00 | 37.83 -1.94 0.00 | 37.36 -1.90 0.00 |
| GLEN PARK___ 23778 | 72.89 1.04 0.00 | 37.92 0.33 0.00 | 36.68 0.28 0.00 | 36.30 0.34 0.00 | 39.50 0.56 0.00 | 41.54 0.82 0.00 | 54.20 1.76 0.00 | 64.24 1.83 0.00 | 37.64 0.47 0.00 | 37.42 -0.54 0.00 | 46.22 -1.53 0.00 | 37.82 -0.95 0.00 | 38.82 -1.13 0.00 | 47.51 -0.78 0.00 | 49.05 -0.88 0.00 | 56.51 -0.59 0.00 | 88.22 -1.02 0.00 | 64.19 -0.76 0.00 | 59.95 -0.47 0.00 | 101.90 1.32 0.00 | 68.64 1.39 0.00 | 42.40 -0.53 0.00 | 39.14 -0.83 -0.21 | 38.52 -1.16 -0.42 |
| GLENDALE_27_KV_LOAD 356172 | 73.88 2.04 0.00 | 38.83 1.24 0.00 | 37.55 1.15 0.00 | 37.15 1.19 0.00 | 40.16 1.22 0.00 | 42.25 1.53 0.00 | 55.05 2.61 0.00 | 66.20 3.79 0.00 | 39.55 2.33 -0.05 | 39.89 1.93 0.00 | 49.98 2.23 0.00 | 40.79 2.02 0.00 | 41.90 1.94 0.00 | 50.46 2.17 0.00 | 52.30 2.36 0.00 | 60.14 3.03 0.00 | 93.88 4.65 0.00 | 68.92 3.98 0.00 | 64.60 4.18 0.00 | 107.01 6.42 0.00 | 71.44 4.19 0.00 | 45.60 2.67 0.00 | 41.97 2.21 0.00 | 41.05 1.80 0.00 |
| GLENWOOD_IC_1_G5 23712 | 88.89 2.11 -14.95 | 58.69 1.32 -19.78 | 37.60 1.20 0.00 | 37.21 1.24 0.00 | 40.28 1.33 -0.01 | 62.56 1.61 -20.23 | 117.90 2.62 -62.84 | 119.01 3.68 -52.92 | 46.31 2.20 -6.94 | 43.91 1.86 -4.10 | 49.91 2.16 -0.01 | 40.63 1.86 0.00 | 41.66 1.71 0.00 | 50.19 1.90 0.00 | 52.16 2.22 -0.01 | 80.52 2.89 -20.52 | 119.61 4.27 -26.10 | 128.02 3.87 -59.21 | 122.22 4.05 -57.75 | 177.11 6.32 -70.20 | 106.44 4.17 -35.03 | 125.65 2.58 -80.13 | 73.15 2.17 -31.23 | 70.71 1.80 -29.65 |
| GLENWOOD_IC_2_G1 23688 | 74.18 1.73 -0.60 | 39.54 1.11 -0.84 | 37.42 1.02 0.00 | 37.02 1.06 0.00 | 40.04 1.10 0.00 | 42.83 1.37 -0.73 | 57.25 2.31 -2.49 | 68.01 3.34 -2.25 | 39.36 1.99 -0.19 | 39.78 1.64 -0.17 | 49.63 1.88 0.00 | 40.41 1.64 0.00 | 41.47 1.52 0.00 | 49.96 1.67 0.00 | 51.86 1.93 0.00 | 60.55 2.56 -0.87 | 94.18 3.83 -1.11 | 70.96 3.50 -2.52 | 66.57 3.70 -2.45 | 109.27 5.71 -2.97 | 72.26 3.75 -1.26 | 48.00 2.33 -2.74 | 42.55 1.94 -0.84 | 41.72 1.58 -0.88 |
| GLENWOOD_IC_3_G1 23689 | 74.18 1.73 -0.60 | 39.54 1.11 -0.84 | 37.42 1.02 0.00 | 37.02 1.06 0.00 | 40.04 1.10 0.00 | 42.83 1.37 -0.73 | 57.25 2.31 -2.49 | 68.01 3.34 -2.25 | 39.36 1.99 -0.19 | 39.78 1.64 -0.17 | 49.63 1.88 0.00 | 40.41 1.64 0.00 | 41.47 1.52 0.00 | 49.96 1.67 0.00 | 51.86 1.93 0.00 | 60.55 2.56 -0.87 | 94.18 3.83 -1.11 | 70.96 3.50 -2.52 | 66.57 3.70 -2.45 | 109.27 5.71 -2.97 | 72.26 3.75 -1.26 | 48.00 2.33 -2.74 | 42.55 1.94 -0.84 | 41.72 1.58 -0.88 |
| GLENWOOD___4 23550 | 88.89 2.11 -14.95 | 58.69 1.32 -19.78 | 37.60 1.20 0.00 | 37.21 1.24 0.00 | 40.28 1.33 -0.01 | 62.56 1.61 -20.23 | 117.90 2.62 -62.84 | 119.01 3.68 -52.92 | 46.31 2.20 -6.94 | 43.91 1.86 -4.10 | 49.91 2.16 -0.01 | 40.63 1.86 0.00 | 41.66 1.71 0.00 | 50.19 1.90 0.00 | 52.16 2.22 -0.01 | 80.52 2.89 -20.52 | 119.61 4.27 -26.10 | 128.02 3.87 -59.21 | 122.22 4.05 -57.75 | 177.11 6.32 -70.20 | 106.44 4.17 -35.03 | 125.65 2.58 -80.13 | 73.15 2.17 -31.23 | 70.71 1.80 -29.65 |
| GLENWOOD___5 23614 | 88.89 2.11 -14.95 | 58.69 1.32 -19.78 | 37.60 1.20 0.00 | 37.21 1.24 0.00 | 40.28 1.33 -0.01 | 62.56 1.61 -20.23 | 117.90 2.62 -62.84 | 119.01 3.68 -52.92 | 46.31 2.20 -6.94 | 43.91 1.86 -4.10 | 49.91 2.16 -0.01 | 40.63 1.86 0.00 | 41.66 1.71 0.00 | 50.19 1.90 0.00 | 52.16 2.22 -0.01 | 80.52 2.89 -20.52 | 119.61 4.27 -26.10 | 128.02 3.87 -59.21 | 122.22 4.05 -57.75 | 177.11 6.32 -70.20 | 106.44 4.17 -35.03 | 125.65 2.58 -80.13 | 73.15 2.17 -31.23 | 70.71 1.80 -29.65 |
| GLOBAL GREEN_PORT_GT1 23814 | 84.31 4.53 -7.94 | 51.64 2.56 -11.49 | 38.14 1.75 0.00 | 37.36 1.40 0.00 | 40.11 1.16 0.00 | 50.91 1.47 -8.72 | 87.09 2.52 -32.13 | 96.86 3.76 -30.69 | 40.98 2.34 -1.47 | 42.53 2.18 -2.38 | 50.45 2.70 0.00 | 40.88 2.12 0.00 | 41.56 1.61 0.00 | 49.85 1.56 0.00 | 51.93 1.99 0.00 | 70.84 1.81 -11.92 | 109.73 5.34 -15.16 | 104.76 5.47 -34.35 | 98.52 4.84 -33.26 | 148.04 7.90 -39.56 | 85.87 4.40 -14.22 | 74.03 2.43 -28.66 | 46.94 1.57 -5.61 | 48.15 1.42 -7.48 |
| GLOBE___DSASP 323697 | 69.53 -2.31 0.00 | 35.74 -1.85 0.00 | 34.69 -1.71 0.00 | 34.14 -1.83 0.00 | 37.04 -1.90 0.00 | 38.54 -2.18 0.00 | 49.18 -3.26 0.00 | 56.56 -5.85 0.00 | 33.98 -3.19 0.00 | 35.99 -1.98 0.00 | 46.29 -1.45 0.00 | 37.32 -1.45 0.00 | 38.80 -1.16 0.00 | 47.43 -0.87 0.00 | 49.23 -0.71 0.00 | 55.86 -1.24 0.00 | 86.34 -2.90 0.00 | 61.46 -3.48 0.00 | 57.24 -3.18 0.00 | 95.25 -5.34 0.00 | 63.99 -3.26 0.00 | 41.03 -1.90 0.00 | 37.74 -2.02 0.00 | 37.40 -1.86 0.00 |
| GOETHSLN___LBMP 323567 | 72.95 1.11 0.00 | 38.38 0.78 0.00 | 37.10 0.70 0.00 | 36.73 0.76 0.00 | 39.69 0.75 0.00 | 41.75 1.03 0.00 | 54.39 1.95 0.00 | 65.41 3.00 0.00 | 38.94 1.77 0.00 | 39.31 1.35 0.00 | 49.26 1.51 0.00 | 40.22 1.45 0.00 | 41.34 1.39 0.00 | 49.81 1.52 0.00 | 51.64 1.70 0.00 | 59.37 2.26 0.00 | 92.74 3.50 0.00 | 68.09 3.15 0.00 | 63.75 3.33 0.00 | 105.68 5.09 0.00 | 70.54 3.29 0.00 | 45.00 2.07 0.00 | 41.44 1.68 0.00 | 40.54 1.28 0.00 |
| GOLAH___69_KV_TB 1_2 80279 | 72.04 0.20 0.00 | 37.28 -0.30 0.00 | 36.09 -0.31 0.00 | 35.58 -0.39 0.00 | 38.64 -0.30 0.00 | 40.37 -0.35 0.00 | 52.06 -0.39 0.00 | 60.91 -1.50 0.00 | 36.41 -0.76 0.00 | 37.96 0.00 0.00 | 48.40 0.66 0.00 | 39.08 0.31 0.00 | 40.63 0.68 0.00 | 49.52 1.23 0.00 | 51.36 1.43 0.00 | 58.48 1.38 0.00 | 90.60 1.37 0.00 | 65.12 0.17 0.00 | 60.69 0.27 0.00 | 100.96 0.38 0.00 | 67.65 0.40 0.00 | 43.14 0.21 0.00 | 39.67 -0.09 0.00 | 39.18 -0.07 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| GOODYEAR_LAKE_HYD 323669 | 74.50 2.66 0.00 | 38.94 1.35 0.00 | 37.67 1.28 0.00 | 37.27 1.31 0.00 | 40.38 1.44 0.00 | 42.38 1.67 0.00 | 54.91 2.46 0.00 | 65.34 2.93 0.00 | 38.75 1.58 0.00 | 39.42 1.46 0.00 | 49.81 2.07 0.00 | 40.35 1.58 0.00 | 41.56 1.60 0.00 | 50.22 1.92 0.00 | 52.01 2.08 0.00 | 59.53 2.42 0.00 | 92.82 3.59 0.00 | 67.59 2.65 0.00 | 63.01 2.59 0.00 | 104.68 4.09 0.00 | 69.99 2.74 0.00 | 44.64 1.70 0.00 | 41.16 1.40 0.00 | 40.44 1.19 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 71.98 0.14 0.00 | 37.45 -0.14 0.00 | 36.25 -0.15 0.00 | 35.86 -0.11 0.00 | 38.84 -0.10 0.00 | 40.62 -0.10 0.00 | 52.58 0.14 0.00 | 62.42 0.01 0.00 | 37.19 0.02 0.00 | 38.05 0.08 0.00 | 48.26 0.52 0.00 | 39.15 0.38 0.00 | 40.40 0.45 0.00 | 48.88 0.58 0.00 | 50.55 0.61 0.00 | 57.74 0.63 0.00 | 89.70 0.47 0.00 | 65.05 0.11 0.00 | 60.89 0.47 0.00 | 101.04 0.46 0.00 | 67.54 0.30 0.00 | 43.03 0.09 0.00 | 39.63 -0.13 0.00 | 39.14 -0.11 0.00 |
| GOUDEY___7 23579 | 71.98 0.14 0.00 | 37.45 -0.14 0.00 | 36.25 -0.15 0.00 | 35.86 -0.11 0.00 | 38.84 -0.10 0.00 | 40.62 -0.10 0.00 | 52.58 0.14 0.00 | 62.42 0.01 0.00 | 37.19 0.02 0.00 | 38.05 0.08 0.00 | 48.26 0.52 0.00 | 39.15 0.38 0.00 | 40.40 0.45 0.00 | 48.88 0.58 0.00 | 50.55 0.61 0.00 | 57.74 0.63 0.00 | 89.70 0.47 0.00 | 65.05 0.11 0.00 | 60.89 0.47 0.00 | 101.04 0.46 0.00 | 67.54 0.30 0.00 | 43.03 0.09 0.00 | 39.63 -0.13 0.00 | 39.14 -0.11 0.00 |
| GOUDEY___8 23580 | 71.98 0.14 0.00 | 37.45 -0.14 0.00 | 36.25 -0.15 0.00 | 35.86 -0.11 0.00 | 38.84 -0.10 0.00 | 40.62 -0.10 0.00 | 52.58 0.14 0.00 | 62.42 0.01 0.00 | 37.19 0.02 0.00 | 38.05 0.08 0.00 | 48.26 0.52 0.00 | 39.15 0.38 0.00 | 40.40 0.45 0.00 | 48.88 0.58 0.00 | 50.55 0.61 0.00 | 57.74 0.63 0.00 | 89.70 0.47 0.00 | 65.05 0.11 0.00 | 60.89 0.47 0.00 | 101.04 0.46 0.00 | 67.54 0.30 0.00 | 43.03 0.09 0.00 | 39.63 -0.13 0.00 | 39.14 -0.11 0.00 |
| GOWANUS_GT1_1 24077 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.96 2.09 -18.09 | 57.07 2.02 -15.10 | 62.57 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.04 4.75 -12.05 | 101.18 4.04 -32.20 | 101.16 4.21 -36.52 | 107.13 6.53 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.77 2.32 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT1_2 24078 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.96 2.09 -18.09 | 57.07 2.02 -15.10 | 62.57 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.04 4.75 -12.05 | 101.18 4.04 -32.20 | 101.16 4.21 -36.52 | 107.13 6.53 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.77 2.32 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT1_3 24079 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.96 2.09 -18.09 | 57.07 2.02 -15.10 | 62.57 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.04 4.75 -12.05 | 101.18 4.04 -32.20 | 101.16 4.21 -36.52 | 107.13 6.53 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.77 2.32 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT1_4 24080 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.96 2.09 -18.09 | 57.07 2.02 -15.10 | 62.57 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.04 4.75 -12.05 | 101.18 4.04 -32.20 | 101.16 4.21 -36.52 | 107.13 6.53 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.77 2.32 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT1_5 24084 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.96 2.09 -18.09 | 57.07 2.02 -15.10 | 62.57 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.04 4.75 -12.05 | 101.18 4.04 -32.20 | 101.16 4.21 -36.52 | 107.13 6.53 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.77 2.32 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT1_6 24111 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.96 2.09 -18.09 | 57.07 2.02 -15.10 | 62.57 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.04 4.75 -12.05 | 101.18 4.04 -32.20 | 101.16 4.21 -36.52 | 107.13 6.53 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.77 2.32 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT1_7 24112 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.96 2.09 -18.09 | 57.07 2.02 -15.10 | 62.57 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.04 4.75 -12.05 | 101.18 4.04 -32.20 | 101.16 4.21 -36.52 | 107.13 6.53 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.77 2.32 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT1_8 24113 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.96 2.09 -18.09 | 57.07 2.02 -15.10 | 62.57 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.04 4.75 -12.05 | 101.18 4.04 -32.20 | 101.16 4.21 -36.52 | 107.13 6.53 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.77 2.32 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT2_1 24114 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| GOWANUS_GT2_2 24115 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| GOWANUS_GT2_3 24116 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |

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|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT2_4 24117 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| GOWANUS_GT2_5 24118 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| GOWANUS_GT2_6 24119 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| GOWANUS_GT2_7 24120 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| GOWANUS_GT2_8 24121 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| GOWANUS_GT3_1 24122 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.03 4.75 -12.05 | 101.18 4.04 -32.20 | 101.17 4.23 -36.52 | 107.13 6.53 -0.02 | 75.71 4.31 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT3_2 24123 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.03 4.75 -12.05 | 101.18 4.04 -32.20 | 101.17 4.23 -36.52 | 107.13 6.53 -0.02 | 75.71 4.31 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT3_3 24124 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.03 4.75 -12.05 | 101.18 4.04 -32.20 | 101.17 4.23 -36.52 | 107.13 6.53 -0.02 | 75.71 4.31 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT3_4 24125 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.03 4.75 -12.05 | 101.18 4.04 -32.20 | 101.17 4.23 -36.52 | 107.13 6.53 -0.02 | 75.71 4.31 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT3_5 24126 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.03 4.75 -12.05 | 101.18 4.04 -32.20 | 101.17 4.23 -36.52 | 107.13 6.53 -0.02 | 75.71 4.31 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT3_6 24127 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.03 4.75 -12.05 | 101.18 4.04 -32.20 | 101.17 4.23 -36.52 | 107.13 6.53 -0.02 | 75.71 4.31 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT3_7 24128 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.03 4.75 -12.05 | 101.18 4.04 -32.20 | 101.17 4.23 -36.52 | 107.13 6.53 -0.02 | 75.71 4.31 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT3_8 24129 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 1.99 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.20 2.44 -10.82 | 66.81 3.11 -6.60 | 106.03 4.75 -12.05 | 101.18 4.04 -32.20 | 101.17 4.23 -36.52 | 107.13 6.53 -0.02 | 75.71 4.31 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT4_1 24130 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT4_2 24131 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| GOWANUS_GT4_3 24132 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT4_4 24133 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT4_5 24134 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT4_6 24135 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT4_7 24136 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GOWANUS_GT4_8 24137 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GREENBSH_115KV_TB3 55895 | 70.82 -1.02 0.00 | 37.46 -0.13 0.00 | 36.31 -0.09 0.00 | 35.93 -0.04 0.00 | 38.76 -0.17 0.00 | 40.61 -0.11 0.00 | 52.65 0.20 0.00 | 63.09 0.68 0.00 | 37.51 0.33 0.00 | 38.06 0.09 0.00 | 47.62 -0.12 0.00 | 38.73 -0.04 0.00 | 39.82 -0.13 0.00 | 48.01 -0.28 0.00 | 49.59 -0.34 0.00 | 56.96 -0.15 0.00 | 89.79 0.56 0.00 | 65.95 1.01 0.00 | 61.54 1.12 0.00 | 102.04 1.45 0.00 | 68.10 0.86 0.00 | 43.46 0.52 0.00 | 40.32 0.56 0.00 | 39.66 0.40 0.00 |
| GREENDGE_115KV_TB5 80291 | 71.96 0.12 0.00 | 37.49 -0.10 0.00 | 36.27 -0.13 0.00 | 35.78 -0.18 0.00 | 38.86 -0.08 0.00 | 40.62 -0.10 0.00 | 52.49 0.04 0.00 | 61.68 -0.73 0.00 | 36.78 -0.39 0.00 | 37.92 -0.05 0.00 | 48.18 0.44 0.00 | 38.81 0.04 0.00 | 40.20 0.24 0.00 | 48.90 0.61 0.00 | 50.56 0.62 0.00 | 57.51 0.40 0.00 | 88.71 -0.52 0.00 | 64.44 -0.50 0.00 | 60.45 0.03 0.00 | 99.57 -1.02 0.00 | 66.97 -0.28 0.00 | 42.79 -0.15 0.00 | 39.31 -0.45 0.00 | 38.90 -0.35 0.00 |
| GREENIDGE___3 23582 | 71.96 0.12 0.00 | 37.49 -0.10 0.00 | 36.27 -0.13 0.00 | 35.78 -0.18 0.00 | 38.86 -0.08 0.00 | 40.62 -0.10 0.00 | 52.49 0.04 0.00 | 61.68 -0.73 0.00 | 36.78 -0.39 0.00 | 37.92 -0.05 0.00 | 48.18 0.44 0.00 | 38.81 0.04 0.00 | 40.20 0.24 0.00 | 48.90 0.61 0.00 | 50.56 0.62 0.00 | 57.51 0.40 0.00 | 88.71 -0.52 0.00 | 64.44 -0.50 0.00 | 60.45 0.03 0.00 | 99.57 -1.02 0.00 | 66.97 -0.28 0.00 | 42.79 -0.15 0.00 | 39.31 -0.45 0.00 | 38.90 -0.35 0.00 |
| GREENIDGE___4 23583 | 71.93 0.09 0.00 | 37.49 -0.10 0.00 | 36.26 -0.13 0.00 | 35.78 -0.18 0.00 | 38.86 -0.08 0.00 | 40.62 -0.10 0.00 | 52.49 0.05 0.00 | 61.68 -0.73 0.00 | 36.78 -0.40 0.00 | 37.92 -0.04 0.00 | 48.18 0.44 0.00 | 38.82 0.05 0.00 | 40.20 0.24 0.00 | 48.90 0.61 0.00 | 50.56 0.62 0.00 | 57.51 0.40 0.00 | 88.72 -0.51 0.00 | 64.44 -0.50 0.00 | 60.45 0.03 0.00 | 99.56 -1.03 0.00 | 66.97 -0.27 0.00 | 42.79 -0.15 0.00 | 39.31 -0.45 0.00 | 38.90 -0.35 0.00 |
| GREENLWN_69_KV_BK 3 55738 | 82.12 2.21 -8.07 | 50.69 1.45 -11.65 | 37.66 1.27 0.00 | 37.26 1.29 0.00 | 40.37 1.42 0.00 | 51.29 1.62 -8.95 | 87.73 2.57 -32.72 | 97.02 3.50 -31.11 | 40.82 2.06 -1.58 | 42.13 1.76 -2.41 | 49.81 2.06 0.00 | 40.50 1.72 0.00 | 41.42 1.46 0.00 | 49.83 1.54 0.00 | 51.96 2.02 0.00 | 71.94 2.75 -12.08 | 108.32 3.72 -15.36 | 103.52 3.73 -34.84 | 98.21 3.86 -33.92 | 147.61 6.17 -40.86 | 86.68 4.07 -15.36 | 77.05 2.51 -31.61 | 49.09 2.08 -7.25 | 49.90 1.75 -8.90 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |
| GRISSOM___SOLAR 323813 | 75.61 3.77 0.00 | 39.58 1.99 0.00 | 38.30 1.90 0.00 | 37.88 1.91 0.00 | 41.03 2.10 0.00 | 43.07 2.35 0.00 | 55.91 3.46 0.00 | 66.42 4.01 0.00 | 38.93 1.76 0.00 | 39.40 1.44 0.00 | 49.70 1.96 0.00 | 39.80 1.03 0.00 | 40.44 0.49 0.00 | 49.63 1.34 0.00 | 51.31 1.37 0.00 | 59.10 1.99 0.00 | 93.85 4.62 0.00 | 68.83 3.89 0.00 | 64.30 3.88 0.00 | 107.01 6.42 0.00 | 71.61 4.37 0.00 | 45.62 2.68 0.00 | 42.05 2.30 0.00 | 41.35 2.10 0.00 |
| GROVEVILLE___HYD 323602 | 73.75 1.91 0.00 | 38.77 1.18 0.00 | 37.50 1.11 0.00 | 37.13 1.16 0.00 | 40.15 1.21 0.00 | 42.25 1.53 0.00 | 55.01 2.57 0.00 | 66.02 3.61 0.00 | 39.26 2.08 0.00 | 39.61 1.65 0.00 | 49.59 1.85 0.00 | 40.32 1.55 0.00 | 41.37 1.42 0.00 | 49.85 1.56 0.00 | 51.77 1.84 0.00 | 59.71 2.61 0.00 | 93.47 4.24 0.00 | 68.43 3.49 0.00 | 64.15 3.73 0.00 | 106.47 5.88 0.00 | 71.09 3.84 0.00 | 45.29 2.35 0.00 | 41.73 1.98 0.00 | 40.86 1.61 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 71.73 -0.11 0.00 | 37.46 -0.14 0.00 | 36.26 -0.14 0.00 | 35.84 -0.13 0.00 | 38.83 -0.11 0.00 | 40.59 -0.13 0.00 | 52.38 -0.06 0.00 | 62.19 -0.22 0.00 | 37.03 -0.14 0.00 | 37.90 -0.07 0.00 | 47.81 0.06 0.00 | 38.77 0.01 0.00 | 40.04 0.09 0.00 | 48.52 0.23 0.00 | 50.14 0.20 0.00 | 57.22 0.11 0.00 | 89.28 0.05 0.00 | 64.91 -0.03 0.00 | 60.55 0.13 0.00 | 100.68 0.10 0.00 | 67.31 0.06 0.00 | 42.91 -0.03 0.00 | 39.69 -0.07 0.00 | 39.27 0.01 0.00 |

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| HAMLTNNY_34_KV_TB 80303 | 71.82 -0.03 0.00 | 37.49 -0.10 0.00 | 36.29 -0.11 0.00 | 35.87 -0.09 0.00 | 38.89 -0.05 0.00 | 40.65 -0.07 0.00 | 52.49 0.04 0.00 | 62.30 -0.11 0.00 | 37.08 -0.09 0.00 | 37.97 0.01 0.00 | 47.94 0.19 0.00 | 38.86 0.09 0.00 | 40.14 0.19 0.00 | 48.65 0.36 0.00 | 50.30 0.36 0.00 | 57.35 0.24 0.00 | 89.48 0.24 0.00 | 65.06 0.12 0.00 | 60.68 0.26 0.00 | 100.87 0.28 0.00 | 67.44 0.19 0.00 | 42.98 0.04 0.00 | 39.74 -0.02 0.00 | 39.33 0.07 0.00 |
| HAMPSHIRE___PAPER_HYD 323593 | 72.01 0.17 0.00 | 37.52 -0.07 0.00 | 36.30 -0.10 0.00 | 35.87 -0.10 0.00 | 38.95 0.01 0.00 | 40.78 0.06 0.00 | 52.83 0.39 0.00 | 62.66 0.24 0.00 | 36.93 -0.24 0.00 | 37.29 -0.67 0.00 | 46.44 -1.31 0.00 | 37.71 -1.07 0.00 | 38.86 -1.09 0.00 | 47.21 -1.08 0.00 | 48.70 -1.24 0.00 | 55.86 -1.24 0.00 | 87.29 -1.94 0.00 | 63.37 -1.57 0.00 | 58.82 -1.60 0.00 | 99.43 -1.16 0.00 | 66.67 -0.57 0.00 | 41.87 -1.06 0.00 | 39.14 -1.18 -0.55 | 39.01 -1.34 -1.09 |
| HARDSCRABBLE_WT_PWR 323673 | 70.14 -1.70 0.00 | 37.06 -0.54 0.00 | 35.80 -0.60 0.00 | 35.48 -0.49 0.00 | 38.37 -0.57 0.00 | 40.34 -0.38 0.00 | 52.50 0.06 0.00 | 62.64 0.23 0.00 | 36.56 -0.62 0.00 | 36.70 -1.27 0.00 | 46.30 -1.44 0.00 | 37.31 -1.46 0.00 | 38.00 -1.95 0.00 | 46.54 -1.76 0.00 | 47.78 -2.16 0.00 | 55.17 -1.94 0.00 | 87.57 -1.66 0.00 | 64.75 -0.20 0.00 | 60.81 0.39 0.00 | 100.65 0.06 0.00 | 67.29 0.04 0.00 | 43.11 0.17 0.00 | 39.80 0.04 0.00 | 39.08 -0.18 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 73.04 1.20 0.00 | 38.34 0.75 0.00 | 37.07 0.67 0.00 | 36.71 0.75 0.00 | 39.71 0.77 0.00 | 41.79 1.07 0.00 | 54.36 1.92 0.00 | 65.22 2.81 0.00 | 38.76 1.58 0.00 | 39.13 1.17 0.00 | 49.01 1.27 0.00 | 39.88 1.11 0.00 | 41.01 1.06 0.00 | 49.44 1.15 0.00 | 51.34 1.40 0.00 | 59.20 2.09 0.00 | 92.56 3.34 0.00 | 67.83 2.89 0.00 | 63.49 3.07 0.00 | 105.38 4.79 0.00 | 70.41 3.16 0.00 | 44.87 1.94 0.00 | 41.35 1.60 0.00 | 40.47 1.22 0.00 |
| HARSNRAD_115KV_TB1 81005 | 70.35 -1.49 0.00 | 36.17 -1.42 0.00 | 35.06 -1.34 0.00 | 34.50 -1.47 0.00 | 37.45 -1.49 0.00 | 39.01 -1.71 0.00 | 49.99 -2.45 0.00 | 57.74 -4.67 0.00 | 34.62 -2.56 0.00 | 36.58 -1.38 0.00 | 46.99 -0.76 0.00 | 37.88 -0.89 0.00 | 39.44 -0.51 0.00 | 48.23 -0.07 0.00 | 50.10 0.16 0.00 | 56.71 -0.39 0.00 | 87.42 -1.81 0.00 | 62.27 -2.67 0.00 | 58.02 -2.40 0.00 | 96.60 -3.99 0.00 | 64.87 -2.37 0.00 | 41.51 -1.42 0.00 | 38.22 -1.54 0.00 | 37.87 -1.38 0.00 |
| HARZA MOOSE___RIVER 24016 | 73.02 1.18 0.00 | 38.07 0.48 0.00 | 36.85 0.45 0.00 | 36.45 0.49 0.00 | 39.56 0.62 0.00 | 41.53 0.81 0.00 | 53.90 1.45 0.00 | 64.09 1.68 0.00 | 37.83 0.66 0.00 | 38.20 0.24 0.00 | 47.79 0.05 0.00 | 38.76 -0.02 0.00 | 39.72 -0.23 0.00 | 48.42 0.12 0.00 | 49.83 -0.10 0.00 | 57.19 0.08 0.00 | 89.40 0.17 0.00 | 65.03 0.09 0.00 | 60.54 0.12 0.00 | 102.07 1.48 0.00 | 68.37 1.13 0.00 | 42.93 0.00 0.00 | 39.72 -0.20 -0.16 | 39.13 -0.44 -0.31 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 71.35 -0.49 0.00 | 37.25 -0.34 0.00 | 36.06 -0.33 0.00 | 35.64 -0.33 0.00 | 38.61 -0.32 0.00 | 40.36 -0.36 0.00 | 52.06 -0.38 0.00 | 61.81 -0.60 0.00 | 36.83 -0.34 0.00 | 37.69 -0.27 0.00 | 47.55 -0.19 0.00 | 38.59 -0.18 0.00 | 39.82 -0.13 0.00 | 48.24 -0.05 0.00 | 49.88 -0.06 0.00 | 56.94 -0.17 0.00 | 88.79 -0.44 0.00 | 64.53 -0.41 0.00 | 60.20 -0.21 0.00 | 100.12 -0.47 0.00 | 66.94 -0.30 0.00 | 42.69 -0.24 0.00 | 39.51 -0.24 0.00 | 39.06 -0.20 0.00 |
| HELLGATE_13_KV_LD 55870 | 73.57 1.73 0.00 | 38.69 1.10 0.00 | 37.43 1.03 0.00 | 37.03 1.07 0.00 | 40.01 1.07 0.00 | 42.09 1.37 0.00 | 54.81 2.37 0.00 | 65.92 3.51 0.00 | 39.38 2.16 -0.05 | 39.70 1.73 0.00 | 49.72 1.98 0.00 | 40.60 1.83 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.05 2.11 0.00 | 59.82 2.71 0.00 | 93.40 4.17 0.00 | 68.57 3.63 0.00 | 64.23 3.82 0.00 | 106.42 5.83 0.00 | 71.07 3.83 0.00 | 45.38 2.44 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 73.57 1.73 0.00 | 38.69 1.10 0.00 | 37.43 1.03 0.00 | 37.03 1.07 0.00 | 40.01 1.07 0.00 | 42.09 1.37 0.00 | 54.81 2.37 0.00 | 65.92 3.51 0.00 | 39.38 2.16 -0.05 | 39.70 1.73 0.00 | 49.72 1.98 0.00 | 40.60 1.83 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.05 2.11 0.00 | 59.82 2.71 0.00 | 93.40 4.17 0.00 | 68.57 3.63 0.00 | 64.23 3.82 0.00 | 106.42 5.83 0.00 | 71.07 3.83 0.00 | 45.38 2.44 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| HEMPSTEAD____ 23647 | 87.01 1.94 -13.22 | 55.95 1.28 -17.08 | 37.55 1.15 0.00 | 37.16 1.19 0.00 | 40.23 1.28 0.00 | 61.00 1.51 -18.77 | 111.02 2.44 -56.13 | 111.58 3.46 -45.71 | 46.10 2.06 -6.87 | 43.25 1.75 -3.54 | 49.74 1.99 -0.01 | 40.46 1.69 0.00 | 41.43 1.48 0.00 | 49.91 1.62 0.00 | 51.95 2.01 -0.01 | 77.54 2.71 -17.72 | 115.52 3.77 -22.52 | 119.68 3.58 -51.15 | 114.31 3.82 -50.07 | 167.50 6.00 -60.92 | 103.54 4.00 -32.30 | 120.61 2.47 -75.20 | 73.15 2.06 -31.32 | 70.61 1.72 -29.64 |
| HEWLETT_69_KV_BK3 55828 | 92.64 2.73 -18.07 | 58.07 1.63 -18.85 | 37.90 1.50 0.00 | 37.50 1.53 0.00 | 40.62 1.68 0.00 | 77.52 1.93 -34.87 | 137.78 2.96 -82.37 | 117.09 4.00 -50.68 | 60.93 2.43 -21.32 | 43.98 2.12 -3.90 | 50.28 2.52 -0.02 | 40.88 2.11 0.00 | 41.85 1.90 0.00 | 50.41 2.12 0.00 | 52.47 2.53 -0.01 | 79.86 3.19 -19.56 | 118.53 4.39 -24.92 | 125.45 4.12 -56.39 | 119.76 4.28 -55.06 | 175.35 6.64 -68.13 | 135.21 4.49 -63.48 | 211.31 2.71 -165.66 | 135.08 2.31 -93.02 | 113.40 1.99 -72.16 |
| HICKLING___1 23621 | 71.96 0.12 0.00 | 37.19 -0.40 0.00 | 35.95 -0.44 0.00 | 35.49 -0.47 0.00 | 38.53 -0.41 0.00 | 40.24 -0.47 0.00 | 52.16 -0.29 0.00 | 61.46 -0.95 0.00 | 36.44 -0.74 0.00 | 37.62 -0.35 0.00 | 47.92 0.18 0.00 | 38.65 -0.12 0.00 | 40.09 0.14 0.00 | 48.70 0.40 0.00 | 50.30 0.36 0.00 | 57.21 0.10 0.00 | 88.39 -0.84 0.00 | 63.79 -1.16 0.00 | 60.06 -0.36 0.00 | 99.55 -1.04 0.00 | 66.59 -0.65 0.00 | 42.27 -0.66 0.00 | 38.77 -0.99 0.00 | 38.41 -0.85 0.00 |
| HICKLING___2 23622 | 71.96 0.12 0.00 | 37.19 -0.40 0.00 | 35.95 -0.44 0.00 | 35.49 -0.47 0.00 | 38.53 -0.41 0.00 | 40.24 -0.47 0.00 | 52.16 -0.29 0.00 | 61.46 -0.95 0.00 | 36.44 -0.74 0.00 | 37.62 -0.35 0.00 | 47.92 0.18 0.00 | 38.65 -0.12 0.00 | 40.09 0.14 0.00 | 48.70 0.40 0.00 | 50.30 0.36 0.00 | 57.21 0.10 0.00 | 88.39 -0.84 0.00 | 63.79 -1.16 0.00 | 60.06 -0.36 0.00 | 99.55 -1.04 0.00 | 66.59 -0.65 0.00 | 42.27 -0.66 0.00 | 38.77 -0.99 0.00 | 38.41 -0.85 0.00 |
| HIGH FALLS___HY 23754 | 73.94 2.10 0.00 | 38.82 1.23 0.00 | 37.55 1.15 0.00 | 37.19 1.23 0.00 | 40.26 1.31 0.00 | 42.37 1.65 0.00 | 55.19 2.75 0.00 | 66.20 3.78 0.00 | 39.32 2.15 0.00 | 39.68 1.71 0.00 | 49.54 1.80 0.00 | 40.28 1.51 0.00 | 41.24 1.29 0.00 | 49.63 1.33 0.00 | 51.70 1.77 0.00 | 59.89 2.78 0.00 | 93.85 4.62 0.00 | 68.79 3.85 0.00 | 64.56 4.14 0.00 | 107.21 6.63 0.00 | 71.53 4.28 0.00 | 45.57 2.63 0.00 | 41.92 2.16 0.00 | 41.01 1.76 0.00 |
| HIGH_RIVER___SOLAR 323847 | 73.85 2.01 0.00 | 38.74 1.15 0.00 | 37.51 1.11 0.00 | 37.10 1.13 0.00 | 40.15 1.21 0.00 | 42.11 1.39 0.00 | 54.57 2.13 0.00 | 65.00 2.58 0.00 | 38.26 1.09 0.00 | 38.45 0.49 0.00 | 48.54 0.80 0.00 | 39.18 0.41 0.00 | 40.03 0.08 0.00 | 48.80 0.51 0.00 | 50.50 0.56 0.00 | 58.02 0.91 0.00 | 91.95 2.72 0.00 | 67.52 2.58 0.00 | 63.11 2.69 0.00 | 104.91 4.32 0.00 | 70.18 2.94 0.00 | 44.75 1.82 0.00 | 41.31 1.56 0.00 | 40.67 1.41 0.00 |

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| HILLBURN___GT 23639 | 72.77 0.93 0.00 | 38.19 0.60 0.00 | 36.91 0.52 0.00 | 36.58 0.61 0.00 | 39.56 0.62 0.00 | 41.64 0.93 0.00 | 54.21 1.77 0.00 | 65.07 2.66 0.00 | 38.66 1.49 0.00 | 39.04 1.07 0.00 | 48.88 1.13 0.00 | 39.78 1.01 0.00 | 41.00 1.05 0.00 | 49.45 1.16 0.00 | 51.33 1.40 0.00 | 59.13 2.02 0.00 | 92.37 3.14 0.00 | 67.67 2.73 0.00 | 63.29 2.87 0.00 | 105.01 4.42 0.00 | 70.17 2.93 0.00 | 44.73 1.80 0.00 | 41.23 1.47 0.00 | 40.33 1.08 0.00 |
| HILLSIDE_115KV_TB1 80332 | 71.03 -0.81 0.00 | 36.73 -0.86 0.00 | 35.53 -0.87 0.00 | 35.13 -0.83 0.00 | 38.10 -0.84 0.00 | 39.81 -0.91 0.00 | 51.60 -0.85 0.00 | 61.00 -1.41 0.00 | 36.32 -0.86 0.00 | 37.38 -0.58 0.00 | 47.64 -0.10 0.00 | 38.58 -0.19 0.00 | 39.95 0.00 0.00 | 48.43 0.13 0.00 | 49.94 0.00 0.00 | 56.88 -0.23 0.00 | 87.96 -1.27 0.00 | 63.48 -1.47 0.00 | 59.77 -0.64 0.00 | 98.94 -1.65 0.00 | 66.18 -1.06 0.00 | 42.08 -0.86 0.00 | 38.60 -1.16 0.00 | 38.25 -1.01 0.00 |
| HISHELDN_WT_PWR 323625 | 70.27 -1.57 0.00 | 36.19 -1.40 0.00 | 34.91 -1.49 0.00 | 34.27 -1.70 0.00 | 37.25 -1.69 0.00 | 38.65 -2.07 0.00 | 49.69 -2.75 0.00 | 57.55 -4.86 0.00 | 34.03 -3.15 0.00 | 35.77 -2.19 0.00 | 45.66 -2.08 0.00 | 36.81 -1.96 0.00 | 38.59 -1.36 0.00 | 46.99 -1.30 0.00 | 48.59 -1.35 0.00 | 54.59 -2.52 0.00 | 83.95 -5.28 0.00 | 60.16 -4.78 0.00 | 56.50 -3.92 0.00 | 94.37 -6.21 0.00 | 63.27 -3.98 0.00 | 40.08 -2.85 0.00 | 36.82 -2.94 0.00 | 36.54 -2.71 0.00 |
| HOLTSVILLE_IC_1 23690 | 82.42 2.65 -7.93 | 50.62 1.56 -11.48 | 37.72 1.32 0.00 | 37.26 1.29 0.00 | 40.33 1.39 0.00 | 51.10 1.68 -8.70 | 87.15 2.63 -32.08 | 96.70 3.62 -30.66 | 40.71 2.08 -1.46 | 42.10 1.76 -2.38 | 49.70 1.96 0.00 | 40.32 1.54 0.00 | 41.13 1.18 0.00 | 49.46 1.17 0.00 | 51.62 2.56 0.00 | 71.57 3.72 -11.91 | 108.10 3.93 -15.14 | 103.19 4.07 -34.31 | 97.70 6.03 -33.21 | 146.07 4.12 -39.46 | 85.49 4.12 -14.13 | 73.90 2.54 -28.42 | 47.25 2.03 -5.47 | 48.28 1.66 -7.36 |
| HOLTSVILLE_IC_10 23699 | 82.76 2.93 -7.99 | 50.81 1.68 -11.54 | 37.84 1.44 0.00 | 37.39 1.43 0.00 | 40.47 1.53 0.00 | 51.39 1.85 -8.82 | 87.66 2.87 -32.35 | 97.16 3.92 -30.82 | 40.94 2.24 -1.53 | 42.25 1.90 -2.39 | 49.85 2.10 0.00 | 40.42 1.65 0.00 | 41.23 1.28 0.00 | 49.58 1.29 0.00 | 51.75 1.81 0.00 | 71.86 2.79 -11.97 | 108.58 4.13 -15.22 | 103.70 4.25 -34.50 | 98.25 4.37 -33.46 | 147.12 6.65 -39.88 | 86.35 4.57 -14.54 | 75.25 2.81 -29.50 | 48.09 2.24 -6.09 | 49.01 1.86 -7.90 |
| HOLTSVILLE_IC_2 23691 | 82.42 2.65 -7.93 | 50.62 1.56 -11.48 | 37.72 1.32 0.00 | 37.26 1.29 0.00 | 40.33 1.39 0.00 | 51.10 1.68 -8.70 | 87.15 2.63 -32.08 | 96.70 3.62 -30.66 | 40.71 2.08 -1.46 | 42.10 1.76 -2.38 | 49.70 1.96 0.00 | 40.32 1.54 0.00 | 41.13 1.18 0.00 | 49.46 1.17 0.00 | 51.62 2.56 0.00 | 71.57 3.72 -11.91 | 108.10 3.93 -15.14 | 103.19 4.07 -34.31 | 97.70 6.03 -33.21 | 146.07 4.12 -39.46 | 85.49 4.12 -14.13 | 73.90 2.54 -28.42 | 47.25 2.03 -5.47 | 48.28 1.66 -7.36 |
| HOLTSVILLE_IC_3 23692 | 82.42 2.65 -7.93 | 50.62 1.56 -11.48 | 37.72 1.32 0.00 | 37.26 1.29 0.00 | 40.33 1.39 0.00 | 51.10 1.68 -8.70 | 87.15 2.63 -32.08 | 96.70 3.62 -30.66 | 40.71 2.08 -1.46 | 42.10 1.76 -2.38 | 49.70 1.96 0.00 | 40.32 1.54 0.00 | 41.13 1.18 0.00 | 49.46 1.17 0.00 | 51.62 2.56 0.00 | 71.57 3.72 -11.91 | 108.10 3.93 -15.14 | 103.19 4.07 -34.31 | 97.70 6.03 -33.21 | 146.07 4.12 -39.46 | 85.49 4.12 -14.13 | 73.90 2.54 -28.42 | 47.25 2.03 -5.47 | 48.28 1.66 -7.36 |
| HOLTSVILLE_IC_4 23693 | 82.42 2.65 -7.93 | 50.62 1.56 -11.48 | 37.72 1.32 0.00 | 37.26 1.29 0.00 | 40.33 1.39 0.00 | 51.10 1.68 -8.70 | 87.15 2.63 -32.08 | 96.70 3.62 -30.66 | 40.71 2.08 -1.46 | 42.10 1.76 -2.38 | 49.70 1.96 0.00 | 40.32 1.54 0.00 | 41.13 1.18 0.00 | 49.46 1.17 0.00 | 51.62 2.56 0.00 | 71.57 3.72 -11.91 | 108.10 3.93 -15.14 | 103.19 4.07 -34.31 | 97.70 6.03 -33.21 | 146.07 4.12 -39.46 | 85.49 4.12 -14.13 | 73.90 2.54 -28.42 | 47.25 2.03 -5.47 | 48.28 1.66 -7.36 |
| HOLTSVILLE_IC_5 23694 | 82.42 2.65 -7.93 | 50.62 1.56 -11.48 | 37.72 1.32 0.00 | 37.26 1.29 0.00 | 40.33 1.39 0.00 | 51.10 1.68 -8.70 | 87.15 2.63 -32.08 | 96.70 3.62 -30.66 | 40.71 2.08 -1.46 | 42.10 1.76 -2.38 | 49.70 1.96 0.00 | 40.32 1.54 0.00 | 41.13 1.18 0.00 | 49.46 1.17 0.00 | 51.62 2.56 0.00 | 71.57 3.72 -11.91 | 108.10 3.93 -15.14 | 103.19 4.07 -34.31 | 97.70 6.03 -33.21 | 146.07 4.12 -39.46 | 85.49 4.12 -14.13 | 73.90 2.54 -28.42 | 47.25 2.03 -5.47 | 48.28 1.66 -7.36 |
| HOLTSVILLE_IC_6 23695 | 82.76 2.93 -7.99 | 50.81 1.68 -11.54 | 37.84 1.44 0.00 | 37.39 1.43 0.00 | 40.47 1.53 0.00 | 51.39 1.85 -8.82 | 87.66 2.87 -32.35 | 97.16 3.92 -30.82 | 40.94 2.24 -1.53 | 42.25 1.90 -2.39 | 49.85 2.10 0.00 | 40.42 1.65 0.00 | 41.23 1.28 0.00 | 49.58 1.29 0.00 | 51.75 1.81 0.00 | 71.86 2.79 -11.97 | 108.58 4.13 -15.22 | 103.70 4.25 -34.50 | 98.25 4.37 -33.46 | 147.12 6.65 -39.88 | 86.35 4.57 -14.54 | 75.25 2.81 -29.50 | 48.09 2.24 -6.09 | 49.01 1.86 -7.90 |
| HOLTSVILLE_IC_7 23696 | 82.76 2.93 -7.99 | 50.81 1.68 -11.54 | 37.84 1.44 0.00 | 37.39 1.43 0.00 | 40.47 1.53 0.00 | 51.39 1.85 -8.82 | 87.66 2.87 -32.35 | 97.16 3.92 -30.82 | 40.94 2.24 -1.53 | 42.25 1.90 -2.39 | 49.85 2.10 0.00 | 40.42 1.65 0.00 | 41.23 1.28 0.00 | 49.58 1.29 0.00 | 51.75 1.81 0.00 | 71.86 2.79 -11.97 | 108.58 4.13 -15.22 | 103.70 4.25 -34.50 | 98.25 4.37 -33.46 | 147.12 6.65 -39.88 | 86.35 4.57 -14.54 | 75.25 2.81 -29.50 | 48.09 2.24 -6.09 | 49.01 1.86 -7.90 |
| HOLTSVILLE_IC_8 23697 | 82.76 2.93 -7.99 | 50.81 1.68 -11.54 | 37.84 1.44 0.00 | 37.39 1.43 0.00 | 40.47 1.53 0.00 | 51.39 1.85 -8.82 | 87.66 2.87 -32.35 | 97.16 3.92 -30.82 | 40.94 2.24 -1.53 | 42.25 1.90 -2.39 | 49.85 2.10 0.00 | 40.42 1.65 0.00 | 41.23 1.28 0.00 | 49.58 1.29 0.00 | 51.75 1.81 0.00 | 71.86 2.79 -11.97 | 108.58 4.13 -15.22 | 103.70 4.25 -34.50 | 98.25 4.37 -33.46 | 147.12 6.65 -39.88 | 86.35 4.57 -14.54 | 75.25 2.81 -29.50 | 48.09 2.24 -6.09 | 49.01 1.86 -7.90 |
| HOLTSVILLE_IC_9 23698 | 82.76 2.93 -7.99 | 50.81 1.68 -11.54 | 37.84 1.44 0.00 | 37.39 1.43 0.00 | 40.47 1.53 0.00 | 51.39 1.85 -8.82 | 87.66 2.87 -32.35 | 97.16 3.92 -30.82 | 40.94 2.24 -1.53 | 42.25 1.90 -2.39 | 49.85 2.10 0.00 | 40.42 1.65 0.00 | 41.23 1.28 0.00 | 49.58 1.29 0.00 | 51.75 1.81 0.00 | 71.86 2.79 -11.97 | 108.58 4.13 -15.22 | 103.70 4.25 -34.50 | 98.25 4.37 -33.46 | 147.12 6.65 -39.88 | 86.35 4.57 -14.54 | 75.25 2.81 -29.50 | 48.09 2.24 -6.09 | 49.01 1.86 -7.90 |
| HOMER_HL_115KV_TB2 355744 | 71.99 0.15 0.00 | 36.95 -0.64 0.00 | 35.74 -0.66 0.00 | 35.33 -0.64 0.00 | 38.17 -0.77 0.00 | 39.65 -1.07 0.00 | 51.27 -1.18 0.00 | 60.06 -2.35 0.00 | 35.92 -1.25 0.00 | 37.66 -0.30 0.00 | 48.32 0.58 0.00 | 39.38 0.61 0.00 | 41.04 1.09 0.00 | 49.83 1.54 0.00 | 51.48 1.54 0.00 | 58.34 1.23 0.00 | 89.59 0.36 0.00 | 63.87 -1.08 0.00 | 59.64 -0.78 0.00 | 98.89 -1.69 0.00 | 66.17 -1.08 0.00 | 42.20 -0.74 0.00 | 38.66 -1.10 0.00 | 38.36 -0.90 0.00 |
| HOWARD_WT_PWR 323690 | 71.90 0.06 0.00 | 37.14 -0.46 0.00 | 35.64 -0.76 0.00 | 34.83 -1.14 0.00 | 38.02 -0.92 0.00 | 39.60 -1.12 0.00 | 50.82 -1.62 0.00 | 59.28 -3.13 0.00 | 34.53 -2.64 0.00 | 36.18 -1.78 0.00 | 45.77 -1.97 0.00 | 36.35 -2.42 0.00 | 37.90 -2.05 0.00 | 45.81 -2.48 0.00 | 47.47 -2.46 0.00 | 54.16 -2.95 0.00 | 83.58 -5.65 0.00 | 59.43 -5.51 0.00 | 55.94 -4.47 0.00 | 93.12 -7.46 0.00 | 62.35 -4.90 0.00 | 39.48 -3.46 0.00 | 36.33 -3.43 0.00 | 36.19 -3.06 0.00 |

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| HQ_GEN_CEDARS 23644 | 74.14 2.30 0.00 | 38.67 1.08 0.00 | 37.43 1.03 0.00 | 36.94 0.97 0.00 | 40.00 1.06 0.00 | 41.75 1.03 0.00 | 53.67 1.23 0.00 | 63.61 1.20 0.00 | 37.78 0.61 0.00 | 38.68 0.71 0.00 | 48.51 0.76 0.00 | 39.32 0.55 0.00 | 40.71 0.76 0.00 | 49.14 0.85 0.00 | 50.84 0.91 0.00 | 58.12 1.01 0.00 | 90.73 1.50 0.00 | 65.69 0.75 0.00 | 60.79 0.37 0.00 | 101.80 1.22 0.00 | 68.10 0.85 0.00 | 43.45 0.51 0.00 | 40.46 0.43 -0.27 | 40.23 0.45 -0.53 |
| HQ_GEN_CEDARS_PROXY 323590 | 74.14 2.31 0.00 | 38.67 1.08 0.00 | 37.43 1.03 0.00 | 36.94 0.97 0.00 | 40.00 1.06 0.00 | 41.75 1.03 0.00 | 53.67 1.23 0.00 | 63.61 1.20 0.00 | 37.78 0.61 0.00 | 38.68 0.71 0.00 | 48.51 0.76 0.00 | 39.32 0.55 0.00 | 40.71 0.76 0.00 | 49.14 0.85 0.00 | 50.84 0.91 0.00 | 58.12 1.01 0.00 | 90.73 1.50 0.00 | 65.69 0.75 0.00 | 60.79 0.37 0.00 | 101.80 1.22 0.00 | 68.10 0.85 0.00 | 43.45 0.51 0.00 | 40.46 0.43 -0.27 | 40.23 0.45 -0.53 |
| HQ_GEN_IMPORT 323601 | 72.90 1.06 0.00 | 38.10 0.51 0.00 | 36.89 0.49 0.00 | 36.41 0.44 0.00 | 39.44 0.49 0.00 | 41.18 0.46 0.00 | 52.84 0.39 0.00 | 61.26 0.37 1.52 | 37.40 0.22 0.00 | 38.33 0.37 0.00 | 48.16 0.41 0.00 | 39.09 0.32 0.00 | 40.35 0.40 0.00 | 48.71 0.42 0.00 | 50.37 0.44 0.00 | 57.57 0.47 0.00 | 78.79 0.65 11.08 | 64.04 0.27 1.18 | 60.37 -0.05 0.00 | 100.80 0.21 0.00 | 67.40 0.16 0.00 | 43.07 0.14 0.00 | 39.89 0.13 0.00 | 39.43 0.18 0.00 |
| HQ_GEN_WHEEL 23651 | 72.90 1.06 0.00 | 38.10 0.51 0.00 | 36.89 0.49 0.00 | 36.41 0.44 0.00 | 39.44 0.49 0.00 | 41.18 0.46 0.00 | 52.84 0.39 0.00 | 61.26 0.37 1.52 | 37.40 0.22 0.00 | 38.33 0.37 0.00 | 48.16 0.41 0.00 | 39.09 0.32 0.00 | 40.35 0.40 0.00 | 48.71 0.42 0.00 | 50.37 0.44 0.00 | 57.57 0.47 0.00 | 78.79 0.65 11.08 | 64.04 0.27 1.18 | 60.37 -0.05 0.00 | 100.80 0.21 0.00 | 67.40 0.16 0.00 | 43.07 0.14 0.00 | 39.89 0.13 0.00 | 39.43 0.18 0.00 |
| HUDSON AVE_GT_3 23810 | 73.46 1.61 0.00 | 38.63 1.04 0.00 | 37.37 0.97 0.00 | 36.99 1.02 0.00 | 39.95 1.02 0.00 | 42.02 1.30 0.00 | 54.76 2.31 0.00 | 65.82 3.41 0.00 | 39.24 2.07 0.00 | 39.66 1.69 0.00 | 49.68 1.94 0.00 | 40.54 1.77 0.00 | 41.66 1.71 0.00 | 50.19 1.90 0.00 | 52.01 2.08 0.00 | 59.79 2.69 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.23 3.82 0.00 | 106.47 5.88 0.00 | 71.05 3.80 0.00 | 45.33 2.40 0.00 | 41.74 1.99 0.00 | 40.84 1.59 0.00 |
| HUDSON AVE_GT_4 23540 | 73.46 1.61 0.00 | 38.63 1.04 0.00 | 37.37 0.97 0.00 | 36.99 1.02 0.00 | 39.95 1.02 0.00 | 42.02 1.30 0.00 | 54.76 2.31 0.00 | 65.82 3.41 0.00 | 39.24 2.07 0.00 | 39.66 1.69 0.00 | 49.68 1.94 0.00 | 40.54 1.77 0.00 | 41.66 1.71 0.00 | 50.19 1.90 0.00 | 52.01 2.08 0.00 | 59.79 2.69 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.23 3.82 0.00 | 106.47 5.88 0.00 | 71.05 3.80 0.00 | 45.33 2.40 0.00 | 41.74 1.99 0.00 | 40.84 1.59 0.00 |
| HUDSON AVE_GT_5 23657 | 73.46 1.61 0.00 | 38.63 1.04 0.00 | 37.37 0.97 0.00 | 36.99 1.02 0.00 | 39.95 1.02 0.00 | 42.02 1.30 0.00 | 54.76 2.31 0.00 | 65.82 3.41 0.00 | 39.24 2.07 0.00 | 39.66 1.69 0.00 | 49.68 1.94 0.00 | 40.54 1.77 0.00 | 41.66 1.71 0.00 | 50.19 1.90 0.00 | 52.01 2.08 0.00 | 59.79 2.69 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.23 3.82 0.00 | 106.47 5.88 0.00 | 71.05 3.80 0.00 | 45.33 2.40 0.00 | 41.74 1.99 0.00 | 40.84 1.59 0.00 |
| HUDSON_AVE_10 24168 | 73.21 1.37 0.00 | 38.59 0.99 0.00 | 37.34 0.94 0.00 | 36.97 1.00 0.00 | 39.89 0.95 0.00 | 41.95 1.24 0.00 | 54.66 2.22 0.00 | 65.68 3.26 0.00 | 39.16 1.98 0.00 | 39.54 1.57 0.00 | 49.52 1.77 0.00 | 40.41 1.63 0.00 | 41.53 1.57 0.00 | 50.02 1.73 0.00 | 51.82 1.88 0.00 | 59.59 2.48 0.00 | 93.03 3.79 -0.01 | 68.31 3.37 0.00 | 64.04 3.62 0.00 | 106.26 5.55 -0.13 | 70.82 3.57 0.00 | 45.19 2.25 0.00 | 41.60 1.84 0.00 | 40.69 1.44 0.00 |
| HUDSON___115KV_TB 4 355613 | 72.46 0.62 0.00 | 38.23 0.64 0.00 | 37.07 0.68 0.00 | 36.70 0.73 0.00 | 39.63 0.69 0.00 | 41.59 0.87 0.00 | 53.99 1.54 0.00 | 64.67 2.26 0.00 | 38.26 1.09 0.00 | 38.48 0.52 0.00 | 48.10 0.35 0.00 | 39.04 0.28 0.00 | 40.12 0.17 0.00 | 48.38 0.09 0.00 | 50.03 0.09 0.00 | 57.52 0.41 0.00 | 91.54 2.31 0.00 | 67.36 2.42 0.00 | 63.01 2.60 0.00 | 104.70 4.11 0.00 | 69.85 2.60 0.00 | 44.51 1.58 0.00 | 41.20 1.44 0.00 | 40.49 1.23 0.00 |
| HUNTER MOUNT___DRP 323613 | 72.87 1.03 0.00 | 38.45 0.86 0.00 | 37.29 0.89 0.00 | 36.90 0.93 0.00 | 39.86 0.92 0.00 | 41.84 1.13 0.00 | 54.33 1.89 0.00 | 65.05 2.64 0.00 | 38.48 1.30 0.00 | 38.65 0.69 0.00 | 48.30 0.56 0.00 | 39.16 0.39 0.00 | 40.27 0.32 0.00 | 48.53 0.24 0.00 | 50.19 0.25 0.00 | 57.68 0.58 0.00 | 91.97 2.74 0.00 | 67.68 2.74 0.00 | 63.34 2.92 0.00 | 105.28 4.70 0.00 | 70.21 2.97 0.00 | 44.73 1.79 0.00 | 41.39 1.63 0.00 | 40.68 1.43 0.00 |
| HUNTINGTON_RES_REC 323705 | 82.19 2.40 -7.95 | 50.61 1.51 -11.51 | 37.70 1.30 0.00 | 37.28 1.31 0.00 | 40.38 1.43 0.00 | 51.12 1.69 -8.72 | 87.25 2.64 -32.16 | 96.78 3.61 -30.76 | 40.71 2.09 -1.46 | 42.09 1.74 -2.38 | 49.73 1.98 0.00 | 40.38 1.60 0.00 | 41.25 1.30 0.00 | 49.61 1.32 0.00 | 51.76 1.82 0.00 | 71.72 2.66 -11.94 | 108.13 3.71 -15.19 | 103.23 3.85 -34.44 | 97.85 3.98 -33.44 | 147.02 6.28 -40.15 | 86.23 4.26 -14.73 | 75.52 2.63 -29.96 | 48.21 2.13 -6.32 | 49.12 1.77 -8.11 |
| HUNTLEY___63 23557 | 71.05 -0.79 0.00 | 36.50 -1.09 0.00 | 35.39 -1.00 0.00 | 34.84 -1.13 0.00 | 37.80 -1.14 0.00 | 39.38 -1.34 0.00 | 50.47 -1.97 0.00 | 58.27 -4.14 0.00 | 34.99 -2.18 0.00 | 37.00 -0.96 0.00 | 47.56 -0.18 0.00 | 38.35 -0.42 0.00 | 39.88 -0.08 0.00 | 48.78 0.48 0.00 | 50.62 0.69 0.00 | 57.44 0.33 0.00 | 88.54 -0.69 0.00 | 63.12 -1.82 0.00 | 58.84 -1.58 0.00 | 97.87 -2.71 0.00 | 65.73 -1.52 0.00 | 42.07 -0.86 0.00 | 38.65 -1.11 0.00 | 38.28 -0.97 0.00 |
| HUNTLEY___64 23558 | 71.05 -0.79 0.00 | 36.50 -1.09 0.00 | 35.39 -1.00 0.00 | 34.84 -1.13 0.00 | 37.80 -1.14 0.00 | 39.38 -1.34 0.00 | 50.47 -1.97 0.00 | 58.27 -4.14 0.00 | 34.99 -2.18 0.00 | 37.00 -0.96 0.00 | 47.56 -0.18 0.00 | 38.35 -0.42 0.00 | 39.88 -0.08 0.00 | 48.78 0.48 0.00 | 50.62 0.69 0.00 | 57.44 0.33 0.00 | 88.54 -0.69 0.00 | 63.12 -1.82 0.00 | 58.84 -1.58 0.00 | 97.87 -2.71 0.00 | 65.73 -1.52 0.00 | 42.07 -0.86 0.00 | 38.65 -1.11 0.00 | 38.28 -0.97 0.00 |
| HUNTLEY___65 23559 | 71.05 -0.79 0.00 | 36.50 -1.09 0.00 | 35.39 -1.00 0.00 | 34.84 -1.13 0.00 | 37.80 -1.14 0.00 | 39.38 -1.34 0.00 | 50.47 -1.97 0.00 | 58.27 -4.14 0.00 | 34.99 -2.18 0.00 | 37.00 -0.96 0.00 | 47.56 -0.18 0.00 | 38.35 -0.42 0.00 | 39.88 -0.08 0.00 | 48.78 0.48 0.00 | 50.62 0.69 0.00 | 57.44 0.33 0.00 | 88.54 -0.69 0.00 | 63.12 -1.82 0.00 | 58.84 -1.58 0.00 | 97.87 -2.71 0.00 | 65.73 -1.52 0.00 | 42.07 -0.86 0.00 | 38.65 -1.11 0.00 | 38.28 -0.97 0.00 |
| HUNTLEY___66 23560 | 71.05 -0.79 0.00 | 36.50 -1.09 0.00 | 35.39 -1.00 0.00 | 34.84 -1.13 0.00 | 37.80 -1.14 0.00 | 39.38 -1.34 0.00 | 50.47 -1.97 0.00 | 58.27 -4.14 0.00 | 34.99 -2.18 0.00 | 37.00 -0.96 0.00 | 47.56 -0.18 0.00 | 38.35 -0.42 0.00 | 39.88 -0.08 0.00 | 48.78 0.48 0.00 | 50.62 0.69 0.00 | 57.44 0.33 0.00 | 88.54 -0.69 0.00 | 63.12 -1.82 0.00 | 58.84 -1.58 0.00 | 97.87 -2.71 0.00 | 65.73 -1.52 0.00 | 42.07 -0.86 0.00 | 38.65 -1.11 0.00 | 38.28 -0.97 0.00 |

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| HUNTLEY___67 23561 | 70.54 -1.30 0.00 | 36.27 -1.32 0.00 | 35.15 -1.24 0.00 | 34.61 -1.36 0.00 | 37.56 -1.38 0.00 | 39.10 -1.62 0.00 | 50.16 -2.29 0.00 | 58.02 -4.39 0.00 | 34.82 -2.35 0.00 | 36.76 -1.20 0.00 | 47.26 -0.48 0.00 | 38.14 -0.63 0.00 | 39.69 -0.26 0.00 | 48.48 0.19 0.00 | 50.28 0.34 0.00 | 57.02 -0.09 0.00 | 88.07 -1.16 0.00 | 62.77 -2.17 0.00 | 58.54 -1.88 0.00 | 97.35 -3.24 0.00 | 65.35 -1.89 0.00 | 41.85 -1.09 0.00 | 38.38 -1.38 0.00 | 38.05 -1.21 0.00 |
| HUNTLEY___68 23562 | 70.54 -1.30 0.00 | 36.27 -1.32 0.00 | 35.15 -1.24 0.00 | 34.61 -1.36 0.00 | 37.56 -1.38 0.00 | 39.10 -1.62 0.00 | 50.16 -2.29 0.00 | 58.02 -4.39 0.00 | 34.82 -2.35 0.00 | 36.76 -1.20 0.00 | 47.26 -0.48 0.00 | 38.14 -0.63 0.00 | 39.69 -0.26 0.00 | 48.48 0.19 0.00 | 50.28 0.34 0.00 | 57.02 -0.09 0.00 | 88.07 -1.16 0.00 | 62.77 -2.17 0.00 | 58.54 -1.88 0.00 | 97.35 -3.24 0.00 | 65.35 -1.89 0.00 | 41.85 -1.09 0.00 | 38.38 -1.38 0.00 | 38.05 -1.21 0.00 |
| HYLAND___LFG 323620 | 77.25 5.41 0.00 | 39.88 2.29 0.00 | 38.63 2.23 0.00 | 38.11 2.14 0.00 | 41.44 2.51 0.00 | 43.54 2.83 0.00 | 56.83 4.39 0.00 | 66.84 4.43 0.00 | 39.45 2.28 0.00 | 40.90 2.93 0.00 | 51.31 3.56 0.00 | 40.63 1.87 0.00 | 42.69 2.74 0.00 | 52.61 4.32 0.00 | 55.51 5.58 0.00 | 63.25 6.15 0.00 | 98.06 8.83 0.00 | 70.17 5.23 0.00 | 65.99 5.57 0.00 | 110.23 9.64 0.00 | 73.90 6.65 0.00 | 46.85 3.91 0.00 | 42.83 3.07 0.00 | 42.00 2.74 0.00 |
| INDECK___CORINTH 23802 | 74.84 3.00 0.00 | 39.42 1.83 0.00 | 38.13 1.74 0.00 | 37.73 1.76 0.00 | 40.79 1.86 0.00 | 42.75 2.03 0.00 | 55.93 3.49 0.00 | 67.14 4.73 0.00 | 39.84 2.66 0.00 | 40.19 2.22 0.00 | 50.27 2.53 0.00 | 40.62 1.86 0.00 | 41.72 1.77 0.00 | 50.40 2.11 0.00 | 52.12 2.18 0.00 | 59.92 2.81 0.00 | 94.60 5.37 0.00 | 69.75 4.81 0.00 | 65.53 5.11 0.00 | 108.44 9.64 0.00 | 72.31 5.07 0.00 | 45.98 3.04 0.00 | 42.57 2.82 0.00 | 41.84 2.59 0.00 |
| INDECK___ILION 23567 | 70.36 -1.49 0.00 | 37.19 -0.40 0.00 | 35.91 -0.48 0.00 | 35.58 -0.38 0.00 | 38.47 -0.46 0.00 | 40.48 -0.24 0.00 | 52.74 0.30 0.00 | 62.93 0.52 0.00 | 36.73 -0.44 0.00 | 36.88 -1.08 0.00 | 46.59 -1.15 0.00 | 37.52 -1.25 0.00 | 38.25 -1.70 0.00 | 46.87 -1.42 0.00 | 48.12 -1.81 0.00 | 55.61 -1.50 0.00 | 88.09 -1.14 0.00 | 65.22 0.28 0.00 | 61.35 0.93 0.00 | 101.47 0.89 0.00 | 67.77 0.52 0.00 | 43.37 0.43 0.00 | 40.00 0.24 0.00 | 39.27 0.02 0.00 |
| INDECK___OLEAN 23982 | 71.98 0.13 0.00 | 36.96 -0.63 0.00 | 35.74 -0.66 0.00 | 35.33 -0.64 0.00 | 38.17 -0.76 0.00 | 39.65 -1.07 0.00 | 51.27 -1.18 0.00 | 60.06 -2.35 0.00 | 35.93 -1.25 0.00 | 37.66 -0.31 0.00 | 48.32 0.58 0.00 | 39.38 0.61 0.00 | 41.04 1.08 0.00 | 49.83 1.54 0.00 | 51.48 1.54 0.00 | 58.34 1.23 0.00 | 89.60 0.37 0.00 | 63.86 -1.08 0.00 | 59.63 -0.79 0.00 | 98.88 -1.70 0.00 | 66.17 -1.07 0.00 | 42.20 -0.74 0.00 | 38.66 -1.10 0.00 | 38.36 -0.90 0.00 |
| INDECK___OSWEGO 23783 | 70.44 -1.41 0.00 | 36.82 -0.77 0.00 | 35.64 -0.75 0.00 | 35.23 -0.74 0.00 | 38.16 -0.77 0.00 | 39.88 -0.83 0.00 | 51.38 -1.06 0.00 | 61.05 -1.36 0.00 | 36.34 -0.83 0.00 | 37.09 -0.87 0.00 | 46.70 -1.04 0.00 | 37.92 -0.85 0.00 | 39.08 -0.87 0.00 | 47.36 -0.93 0.00 | 48.94 -1.00 0.00 | 55.87 -1.24 0.00 | 87.21 -2.02 0.00 | 63.45 -1.49 0.00 | 59.17 -1.25 0.00 | 98.53 -2.06 0.00 | 65.91 -1.33 0.00 | 41.99 -0.95 0.00 | 38.93 -0.82 0.00 | 38.51 -0.75 0.00 |
| INDECK___YERKES 23781 | 71.11 -0.73 0.00 | 36.54 -1.05 0.00 | 35.42 -0.97 0.00 | 34.87 -1.10 0.00 | 37.83 -1.11 0.00 | 39.43 -1.29 0.00 | 50.51 -1.93 0.00 | 58.33 -4.08 0.00 | 35.03 -2.15 0.00 | 37.04 -0.93 0.00 | 47.62 -0.13 0.00 | 38.41 -0.36 0.00 | 39.92 -0.04 0.00 | 48.83 0.53 0.00 | 50.68 0.74 0.00 | 57.50 0.40 0.00 | 88.65 -0.59 0.00 | 63.18 -1.76 0.00 | 58.89 -1.53 0.00 | 97.96 -2.62 0.00 | 65.80 -1.44 0.00 | 42.12 -0.82 0.00 | 38.68 -1.08 0.00 | 38.32 -0.93 0.00 |
| INDIAN POINT_GT_1 24139 | 72.74 0.90 0.00 | 38.21 0.62 0.00 | 36.95 0.55 0.00 | 36.60 0.64 0.00 | 39.57 0.63 0.00 | 41.62 0.90 0.00 | 54.17 1.73 0.00 | 65.02 2.61 0.00 | 38.67 1.49 0.00 | 39.05 1.08 0.00 | 48.91 1.17 0.00 | 39.87 1.10 0.00 | 40.99 1.04 0.00 | 49.39 1.10 0.00 | 51.23 1.29 0.00 | 58.96 1.85 0.00 | 92.19 2.96 0.00 | 67.64 2.69 0.00 | 63.33 2.91 0.00 | 105.05 4.46 0.00 | 70.17 2.93 0.00 | 44.74 1.81 0.00 | 41.24 1.48 0.00 | 40.37 1.11 0.00 |
| INDIAN POINT_GT_2 23659 | 72.74 0.90 0.00 | 38.21 0.62 0.00 | 36.95 0.55 0.00 | 36.60 0.64 0.00 | 39.57 0.63 0.00 | 41.62 0.90 0.00 | 54.17 1.73 0.00 | 65.02 2.61 0.00 | 38.67 1.49 0.00 | 39.05 1.08 0.00 | 48.91 1.17 0.00 | 39.87 1.10 0.00 | 40.99 1.04 0.00 | 49.39 1.10 0.00 | 51.23 1.29 0.00 | 58.96 1.85 0.00 | 92.19 2.96 0.00 | 67.64 2.69 0.00 | 63.33 2.91 0.00 | 105.05 4.46 0.00 | 70.17 2.93 0.00 | 44.74 1.81 0.00 | 41.24 1.48 0.00 | 40.37 1.11 0.00 |
| INDIAN POINT_GT_3 24019 | 72.74 0.90 0.00 | 38.21 0.62 0.00 | 36.95 0.55 0.00 | 36.60 0.64 0.00 | 39.57 0.63 0.00 | 41.62 0.90 0.00 | 54.17 1.73 0.00 | 65.02 2.61 0.00 | 38.67 1.49 0.00 | 39.05 1.08 0.00 | 48.91 1.17 0.00 | 39.87 1.10 0.00 | 40.99 1.04 0.00 | 49.39 1.10 0.00 | 51.23 1.29 0.00 | 58.96 1.85 0.00 | 92.19 2.96 0.00 | 67.64 2.69 0.00 | 63.33 2.91 0.00 | 105.05 4.46 0.00 | 70.17 2.93 0.00 | 44.74 1.81 0.00 | 41.24 1.48 0.00 | 40.37 1.11 0.00 |
| INDIAN POINT___2 23530 | 72.56 0.72 0.00 | 38.10 0.51 0.00 | 36.83 0.43 0.00 | 36.49 0.52 0.00 | 39.46 0.52 0.00 | 41.51 0.79 0.00 | 54.02 1.58 0.00 | 64.82 2.41 0.00 | 38.52 1.35 0.00 | 38.90 0.93 0.00 | 48.71 0.97 0.00 | 39.72 0.95 0.00 | 40.85 0.90 0.00 | 49.24 0.95 0.00 | 51.08 1.15 0.00 | 58.81 1.70 0.00 | 91.91 2.68 0.00 | 67.40 2.45 0.00 | 63.08 2.66 0.00 | 104.64 4.06 0.00 | 69.92 2.67 0.00 | 44.57 1.64 0.00 | 41.10 1.34 0.00 | 40.23 0.98 0.00 |
| INDIAN POINT___3 23531 | 72.80 0.96 0.00 | 38.25 0.66 0.00 | 37.00 0.60 0.00 | 36.64 0.68 0.00 | 39.61 0.67 0.00 | 41.65 0.93 0.00 | 54.22 1.77 0.00 | 65.08 2.67 0.00 | 38.72 1.55 0.00 | 39.12 1.16 0.00 | 48.99 1.25 0.00 | 39.93 1.16 0.00 | 41.05 1.10 0.00 | 49.47 1.17 0.00 | 51.29 1.36 0.00 | 59.02 1.92 0.00 | 92.28 3.05 0.00 | 67.71 2.76 0.00 | 63.40 2.98 0.00 | 105.15 4.56 0.00 | 70.23 2.99 0.00 | 44.79 1.85 0.00 | 41.28 1.52 0.00 | 40.42 1.17 0.00 |
| INGHAM_C_115KV_TB7 356103 | 69.71 -2.12 0.00 | 36.89 -0.70 0.00 | 35.62 -0.77 0.00 | 35.32 -0.65 0.00 | 38.18 -0.76 0.00 | 40.18 -0.54 0.00 | 52.36 -0.08 0.00 | 62.56 0.15 0.00 | 36.48 -0.69 0.00 | 36.55 -1.41 0.00 | 46.14 -1.60 0.00 | 37.16 -1.61 0.00 | 37.82 -2.13 0.00 | 46.35 -1.95 0.00 | 47.60 -2.34 0.00 | 55.00 -2.11 0.00 | 87.52 -1.71 0.00 | 64.89 -0.05 0.00 | 61.14 0.72 0.00 | 101.06 0.48 0.00 | 67.45 0.21 0.00 | 43.16 0.22 0.00 | 39.82 0.06 0.00 | 39.08 -0.18 0.00 |
| IP CORINTH___1 23988 | 74.82 2.98 0.00 | 39.42 1.83 0.00 | 38.13 1.74 0.00 | 37.73 1.76 0.00 | 40.79 1.86 0.00 | 42.75 2.03 0.00 | 55.94 3.49 0.00 | 67.14 4.73 0.00 | 39.84 2.66 0.00 | 40.19 2.22 0.00 | 50.28 2.54 0.00 | 40.62 1.86 0.00 | 41.72 1.77 0.00 | 50.40 2.11 0.00 | 52.12 2.18 0.00 | 59.91 2.80 0.00 | 94.60 5.37 0.00 | 69.75 4.81 0.00 | 65.53 5.11 0.00 | 108.44 9.64 0.00 | 72.31 5.07 0.00 | 45.98 3.05 0.00 | 42.57 2.82 0.00 | 41.84 2.58 0.00 |

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|-----------------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| IP__TICONDEROGA 23804 | 78.08 6.24 0.00 | 41.33 3.74 0.00 | 39.76 3.37 0.00 | 39.22 3.26 0.00 | 42.49 3.55 0.00 | 44.19 3.46 0.00 | 58.11 5.67 0.00 | 70.05 7.64 0.00 | 41.76 4.58 0.00 | 42.05 4.08 0.00 | 52.23 4.49 0.00 | 41.87 3.10 0.00 | 43.17 3.22 0.00 | 52.29 4.00 0.00 | 53.95 4.02 0.00 | 62.21 5.10 0.00 | 98.35 9.12 0.00 | 72.99 8.05 0.00 | 68.94 8.52 0.00 | 113.07 12.48 0.00 | 75.27 8.02 0.00 | 47.79 4.86 0.00 | 44.68 4.92 0.00 | 43.80 4.55 0.00 |
| ISLIP_RES_REC 323679 | 83.03 3.16 -8.03 | 50.97 1.80 -11.58 | 37.95 1.55 0.00 | 37.50 1.53 0.00 | 40.59 1.65 0.00 | 51.63 1.99 -8.92 | 88.10 3.08 -32.57 | 97.54 4.19 -30.94 | 41.14 2.38 -1.59 | 42.40 2.03 -2.40 | 49.99 2.24 0.00 | 40.53 1.76 0.00 | 41.33 1.38 0.00 | 49.69 1.40 0.00 | 51.88 1.95 0.00 | 72.13 3.01 -12.02 | 109.02 4.50 -15.28 | 104.15 4.56 -34.64 | 98.71 4.65 -33.64 | 147.89 7.15 -40.15 | 86.96 4.90 -14.81 | 76.14 2.99 -30.21 | 48.66 2.39 -6.51 | 49.51 2.01 -8.25 |
| JAMAICA__27_KV_LOAD 355505 | 73.43 1.59 0.00 | 38.88 1.29 0.00 | 37.69 1.29 0.00 | 37.34 1.38 0.00 | 40.15 1.21 0.00 | 42.24 1.53 0.00 | 55.02 2.57 0.00 | 65.97 3.56 0.00 | 39.35 2.18 0.00 | 39.67 1.71 0.00 | 49.61 1.87 0.00 | 40.48 1.71 0.00 | 41.62 1.67 0.00 | 50.13 1.84 0.00 | 51.90 1.96 0.00 | 59.76 2.65 0.00 | 93.17 3.93 -0.01 | 68.50 3.56 0.00 | 64.24 3.83 0.00 | 106.70 5.95 -0.16 | 71.06 3.81 0.00 | 45.33 2.39 0.00 | 41.72 1.96 0.00 | 40.77 1.52 0.00 |
| JANIS__SOLAR 323808 | 74.92 3.08 0.00 | 39.05 1.46 0.00 | 37.81 1.41 0.00 | 37.43 1.47 0.00 | 40.60 1.66 0.00 | 42.63 1.91 0.00 | 55.36 2.91 0.00 | 65.66 3.24 0.00 | 38.58 1.41 0.00 | 38.76 0.80 0.00 | 49.37 1.63 0.00 | 40.14 1.37 0.00 | 41.05 1.10 0.00 | 49.58 1.29 0.00 | 51.44 1.50 0.00 | 59.44 2.34 0.00 | 92.44 3.21 0.00 | 67.13 2.19 0.00 | 62.23 1.81 0.00 | 103.91 3.33 0.00 | 69.33 2.09 0.00 | 43.94 1.00 0.00 | 40.36 0.61 0.00 | 39.74 0.48 0.00 |
| JARVIS____ 23743 | 71.56 -0.27 0.00 | 37.50 -0.09 0.00 | 36.32 -0.07 0.00 | 35.90 -0.07 0.00 | 38.86 -0.08 0.00 | 40.68 -0.03 0.00 | 52.51 0.07 0.00 | 62.61 0.20 0.00 | 37.24 0.07 0.00 | 37.92 -0.04 0.00 | 47.67 -0.08 0.00 | 38.72 -0.05 0.00 | 39.80 -0.15 0.00 | 48.14 -0.15 0.00 | 49.76 -0.18 0.00 | 56.98 -0.13 0.00 | 89.18 -0.05 0.00 | 65.06 0.11 0.00 | 60.62 0.20 0.00 | 100.87 0.29 0.00 | 67.42 0.18 0.00 | 43.01 0.08 0.00 | 39.81 0.05 0.00 | 39.25 -0.01 0.00 |
| JENNISON__1 23625 | 74.24 2.40 0.00 | 38.86 1.27 0.00 | 37.67 1.27 0.00 | 37.33 1.36 0.00 | 40.37 1.43 0.00 | 42.43 1.71 0.00 | 54.94 2.49 0.00 | 65.34 2.94 0.00 | 38.57 1.40 0.00 | 38.92 0.95 0.00 | 49.51 1.77 0.00 | 40.12 1.36 0.00 | 41.05 1.10 0.00 | 49.38 1.08 0.00 | 50.92 0.99 0.00 | 58.18 1.07 0.00 | 90.01 0.78 0.00 | 65.29 0.35 0.00 | 60.64 0.22 0.00 | 100.98 0.39 0.00 | 67.39 0.14 0.00 | 42.79 -0.15 0.00 | 39.34 -0.42 0.00 | 38.68 -0.58 0.00 |
| JENNISON__2 23626 | 74.24 2.40 0.00 | 38.86 1.27 0.00 | 37.67 1.27 0.00 | 37.33 1.36 0.00 | 40.37 1.43 0.00 | 42.43 1.71 0.00 | 54.94 2.49 0.00 | 65.34 2.94 0.00 | 38.57 1.40 0.00 | 38.92 0.95 0.00 | 49.51 1.77 0.00 | 40.12 1.36 0.00 | 41.05 1.10 0.00 | 49.38 1.08 0.00 | 50.92 0.99 0.00 | 58.18 1.07 0.00 | 90.01 0.78 0.00 | 65.29 0.35 0.00 | 60.64 0.22 0.00 | 100.98 0.39 0.00 | 67.39 0.14 0.00 | 42.79 -0.15 0.00 | 39.34 -0.42 0.00 | 38.68 -0.58 0.00 |
| JERICHO_RISE_WT_PWR 323719 | 73.61 1.78 0.00 | 38.56 0.97 0.00 | 37.39 0.99 0.00 | 36.91 0.95 0.00 | 40.02 1.09 0.00 | 41.65 0.93 0.00 | 53.58 1.14 0.00 | 63.41 0.99 0.00 | 37.59 0.42 0.00 | 38.37 0.41 0.00 | 47.82 0.07 0.00 | 38.67 -0.09 0.00 | 39.98 0.03 0.00 | 48.25 -0.04 0.00 | 49.97 0.04 0.00 | 57.23 0.13 0.00 | 88.51 -0.72 0.00 | 64.26 -0.68 0.00 | 59.98 -0.43 0.00 | 100.64 0.06 0.00 | 67.29 0.05 0.00 | 42.65 -0.29 0.00 | 33.65 -0.77 5.34 | 27.82 -0.83 10.60 |
| KATONAH__115KV_46KV_TB4 355592 | 73.33 1.49 0.00 | 38.54 0.95 0.00 | 37.29 0.90 0.00 | 36.92 0.95 0.00 | 39.91 0.97 0.00 | 41.99 1.27 0.00 | 54.69 2.24 0.00 | 65.68 3.26 0.00 | 39.09 1.92 0.00 | 39.50 1.53 0.00 | 49.46 1.71 0.00 | 40.27 1.50 0.00 | 41.36 1.41 0.00 | 49.83 1.54 0.00 | 51.66 1.72 0.00 | 59.45 2.35 0.00 | 93.00 3.77 0.00 | 68.30 3.35 0.00 | 63.99 3.57 0.00 | 106.13 5.54 0.00 | 70.86 3.62 0.00 | 45.17 2.24 0.00 | 41.62 1.87 0.00 | 40.73 1.48 0.00 |
| KCE_NY_1 323755 | 74.06 2.22 0.00 | 38.99 1.40 0.00 | 37.78 1.38 0.00 | 37.40 1.43 0.00 | 40.39 1.45 0.00 | 42.41 1.70 0.00 | 55.21 2.76 0.00 | 66.00 3.59 0.00 | 39.14 1.96 0.00 | 39.52 1.56 0.00 | 49.61 1.86 0.00 | 40.12 1.35 0.00 | 41.26 1.31 0.00 | 49.95 1.65 0.00 | 51.76 1.82 0.00 | 59.41 2.30 0.00 | 93.76 4.53 0.00 | 68.93 3.99 0.00 | 64.66 4.24 0.00 | 107.27 6.68 0.00 | 71.49 4.24 0.00 | 45.49 2.55 0.00 | 42.08 2.32 0.00 | 41.46 2.21 0.00 |
| KCE_NY_6_ESR 323823 | 71.39 -0.45 0.00 | 36.72 -0.87 0.00 | 35.57 -0.83 0.00 | 35.01 -0.95 0.00 | 38.01 -0.93 0.00 | 39.60 -1.12 0.00 | 50.88 -1.56 0.00 | 58.91 -3.50 0.00 | 35.34 -1.83 0.00 | 37.28 -0.68 0.00 | 47.91 0.16 0.00 | 38.65 -0.12 0.00 | 40.27 0.31 0.00 | 49.17 0.88 0.00 | 51.01 1.07 0.00 | 57.74 0.63 0.00 | 89.15 -0.09 0.00 | 63.59 -1.35 0.00 | 59.39 -1.03 0.00 | 98.67 -1.92 0.00 | 66.23 -1.01 0.00 | 42.40 -0.53 0.00 | 38.77 -0.99 0.00 | 38.45 -0.80 0.00 |
| KEDC_PORT_JEFF_GT2 24210 | 82.64 2.84 -7.96 | 50.76 1.66 -11.51 | 37.80 1.41 0.00 | 37.36 1.39 0.00 | 40.44 1.49 0.00 | 51.29 1.81 -8.76 | 87.49 2.81 -32.23 | 97.03 3.87 -30.75 | 40.87 2.20 -1.49 | 42.22 1.87 -2.38 | 49.82 2.08 0.00 | 40.40 1.63 0.00 | 41.21 1.26 0.00 | 49.56 1.27 0.00 | 51.73 1.79 0.00 | 71.79 2.73 -11.94 | 108.31 3.89 -15.19 | 103.35 3.98 -34.43 | 97.91 4.13 -33.37 | 146.59 6.25 -39.76 | 86.05 4.39 -14.41 | 74.87 2.77 -29.16 | 47.85 2.20 -5.89 | 48.80 1.82 -7.73 |
| KEDC_PORT_JEFF_GT3 24211 | 82.64 2.84 -7.96 | 50.76 1.66 -11.51 | 37.80 1.41 0.00 | 37.36 1.39 0.00 | 40.44 1.49 0.00 | 51.29 1.81 -8.76 | 87.49 2.81 -32.23 | 97.03 3.87 -30.75 | 40.87 2.20 -1.49 | 42.22 1.87 -2.38 | 49.82 2.08 0.00 | 40.40 1.63 0.00 | 41.21 1.26 0.00 | 49.56 1.27 0.00 | 51.73 1.79 0.00 | 71.79 2.73 -11.94 | 108.31 3.89 -15.19 | 103.35 3.98 -34.43 | 97.91 4.13 -33.37 | 146.59 6.25 -39.76 | 86.05 4.39 -14.41 | 74.87 2.77 -29.16 | 47.85 2.20 -5.89 | 48.80 1.82 -7.73 |
| KEDC_GLWD_GT4 24219 | 88.90 2.11 -14.95 | 58.69 1.32 -19.78 | 37.60 1.20 0.00 | 37.21 1.24 0.00 | 40.28 1.33 -0.01 | 62.57 1.61 -20.23 | 117.90 2.62 -62.84 | 119.01 3.68 -52.92 | 46.31 2.20 -6.94 | 43.92 1.86 -4.10 | 49.92 2.16 -0.01 | 40.63 1.86 0.00 | 41.66 1.71 0.00 | 50.19 1.90 0.00 | 52.16 2.22 -0.01 | 80.53 2.90 -20.52 | 119.60 4.27 -26.10 | 128.02 3.87 -59.21 | 122.22 4.05 -57.75 | 177.11 6.33 -70.20 | 106.45 4.17 -35.03 | 125.65 2.58 -80.13 | 73.15 2.17 -31.23 | 70.71 1.80 -29.65 |
| KEDC_GLWD_GT5 24220 | 88.90 2.11 -14.95 | 58.69 1.32 -19.78 | 37.60 1.20 0.00 | 37.21 1.24 0.00 | 40.28 1.33 -0.01 | 62.57 1.61 -20.23 | 117.90 2.62 -62.84 | 119.01 3.68 -52.92 | 46.31 2.20 -6.94 | 43.92 1.86 -4.10 | 49.92 2.16 -0.01 | 40.63 1.86 0.00 | 41.66 1.71 0.00 | 50.19 1.90 0.00 | 52.16 2.22 -0.01 | 80.53 2.90 -20.52 | 119.60 4.27 -26.10 | 128.02 3.87 -59.21 | 122.22 4.05 -57.75 | 177.11 6.33 -70.20 | 106.45 4.17 -35.03 | 125.65 2.58 -80.13 | 73.15 2.17 -31.23 | 70.71 1.80 -29.65 |

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|---|------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| KENSICO____ 23655 | 73.13 1.29 0.00 | 38.44 0.85 0.00 | 37.19 0.79 0.00 | 36.82 0.85 0.00 | 39.78 0.85 0.00 | 41.84 1.12 0.00 | 54.47 2.02 0.00 | 65.40 2.99 0.00 | 38.96 1.79 0.00 | 39.37 1.41 0.00 | 49.32 1.58 0.00 | 40.19 1.42 0.00 | 41.29 1.34 0.00 | 49.75 1.46 0.00 | 51.58 1.64 0.00 | 59.34 2.24 0.00 | 92.73 3.50 0.00 | 68.09 3.15 0.00 | 63.79 3.37 0.00 | 105.77 5.18 0.00 | 70.63 3.38 0.00 | 45.04 2.11 0.00 | 41.50 1.74 0.00 | 40.64 1.39 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 73.96 2.11 0.00 | 38.86 1.27 0.00 | 37.58 1.19 0.00 | 37.22 1.26 0.00 | 40.29 1.35 0.00 | 42.39 1.67 0.00 | 55.21 2.76 0.00 | 66.18 3.77 0.00 | 39.29 2.12 0.00 | 39.64 1.68 0.00 | 49.51 1.77 0.00 | 40.25 1.48 0.00 | 41.22 1.26 0.00 | 49.61 1.32 0.00 | 51.70 1.77 0.00 | 59.92 2.81 0.00 | 93.94 4.71 0.00 | 68.88 3.94 0.00 | 64.62 4.20 0.00 | 107.32 6.73 0.00 | 71.57 4.33 0.00 | 45.59 2.65 0.00 | 41.96 2.20 0.00 | 41.08 1.82 0.00 |
| KIAC_JFK_GT1 23816 | 73.00 1.16 0.00 | 38.67 1.08 0.00 | 37.48 1.08 0.00 | 37.14 1.17 0.00 | 39.92 0.98 0.00 | 41.97 1.25 0.00 | 54.64 2.20 0.00 | 65.53 3.12 0.00 | 39.11 1.94 0.00 | 39.44 1.48 0.00 | 49.33 1.59 0.00 | 40.25 1.48 0.00 | 41.40 1.45 0.00 | 49.86 1.57 0.00 | 51.60 1.66 0.00 | 59.39 2.29 0.00 | 92.61 3.37 -0.01 | 68.06 3.12 0.00 | 63.82 3.40 0.00 | 105.97 5.22 -0.16 | 70.57 3.33 0.00 | 45.03 2.10 0.00 | 41.47 1.71 0.00 | 40.54 1.28 0.00 |
| KIAC_JFK_GT2 23817 | 73.00 1.16 0.00 | 38.67 1.08 0.00 | 37.48 1.08 0.00 | 37.14 1.17 0.00 | 39.92 0.98 0.00 | 41.97 1.25 0.00 | 54.64 2.20 0.00 | 65.53 3.12 0.00 | 39.11 1.94 0.00 | 39.44 1.48 0.00 | 49.33 1.59 0.00 | 40.25 1.48 0.00 | 41.40 1.45 0.00 | 49.86 1.57 0.00 | 51.60 1.66 0.00 | 59.39 2.29 0.00 | 92.61 3.37 -0.01 | 68.06 3.12 0.00 | 63.82 3.40 0.00 | 105.97 5.22 -0.16 | 70.57 3.33 0.00 | 45.03 2.10 0.00 | 41.47 1.71 0.00 | 40.54 1.28 0.00 |
| KIAC_JFK____ 323774 | 73.00 1.16 0.00 | 38.67 1.08 0.00 | 37.48 1.08 0.00 | 37.14 1.17 0.00 | 39.92 0.98 0.00 | 41.97 1.25 0.00 | 54.65 2.21 0.00 | 65.53 3.12 0.00 | 39.11 1.94 0.00 | 39.44 1.48 0.00 | 49.34 1.59 0.00 | 40.25 1.48 0.00 | 41.40 1.45 0.00 | 49.86 1.57 0.00 | 51.60 1.67 0.00 | 59.39 2.28 0.00 | 92.61 3.37 -0.01 | 68.06 3.12 0.00 | 63.82 3.40 0.00 | 105.97 5.22 -0.16 | 70.58 3.33 0.00 | 45.03 2.09 0.00 | 41.47 1.71 0.00 | 40.54 1.28 0.00 |
| KINTIGH____ 23543 | 70.47 -1.38 0.00 | 36.33 -1.26 0.00 | 35.21 -1.19 0.00 | 34.70 -1.27 0.00 | 37.63 -1.31 0.00 | 39.19 -1.53 0.00 | 50.34 -2.10 0.00 | 58.55 -3.86 0.00 | 35.10 -2.08 0.00 | 36.88 -1.08 0.00 | 47.26 -0.49 0.00 | 38.20 -0.57 0.00 | 39.70 -0.25 0.00 | 48.39 0.10 0.00 | 50.19 0.26 0.00 | 57.00 -0.11 0.00 | 88.15 -1.08 0.00 | 63.03 -1.91 0.00 | 58.73 -1.69 0.00 | 97.71 -2.87 0.00 | 65.56 -1.69 0.00 | 41.93 -1.00 0.00 | 38.55 -1.21 0.00 | 38.17 -1.09 0.00 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 74.44 2.60 0.00 | 39.02 1.43 0.00 | 37.82 1.42 0.00 | 37.35 1.38 0.00 | 40.47 1.54 0.00 | 42.14 1.42 0.00 | 54.37 1.92 0.00 | 64.32 1.91 0.00 | 38.03 0.86 0.00 | 38.77 0.80 0.00 | 48.26 0.52 0.00 | 38.93 0.16 0.00 | 40.22 0.27 0.00 | 48.58 0.29 0.00 | 50.31 0.38 0.00 | 57.83 0.72 0.00 | 89.39 0.15 0.00 | 65.01 0.07 0.00 | 61.05 0.63 0.00 | 102.31 1.72 0.00 | 68.39 1.14 0.00 | 43.37 0.44 0.00 | 34.72 -0.13 4.91 | 29.31 -0.21 9.74 |
| LACHUTE__HYDRO 323717 | 78.09 6.25 0.00 | 41.33 3.74 0.00 | 39.77 3.37 0.00 | 39.22 3.26 0.00 | 42.49 3.55 0.00 | 44.18 3.47 0.00 | 58.12 5.67 0.00 | 70.04 7.64 0.00 | 41.76 4.58 0.00 | 42.05 4.09 0.00 | 52.24 4.50 0.00 | 41.87 3.10 0.00 | 43.17 3.22 0.00 | 52.29 4.00 0.00 | 53.95 4.01 0.00 | 62.21 5.10 0.00 | 98.35 9.12 0.00 | 72.99 8.04 0.00 | 68.94 8.52 0.00 | 113.07 12.48 0.00 | 75.26 8.01 0.00 | 47.79 4.86 0.00 | 44.68 4.92 0.00 | 43.80 4.55 0.00 |
| LAWRNCV_115KV_TB1 80681 | 73.15 1.31 0.00 | 38.16 0.57 0.00 | 36.93 0.53 0.00 | 36.45 0.48 0.00 | 39.50 0.56 0.00 | 41.24 0.52 0.00 | 53.12 0.67 0.00 | 62.94 0.53 0.00 | 37.26 0.09 0.00 | 37.99 0.03 0.00 | 47.50 -0.25 0.00 | 38.49 -0.28 0.00 | 39.87 -0.08 0.00 | 48.18 -0.11 0.00 | 49.84 -0.10 0.00 | 57.05 -0.06 0.00 | 89.11 -0.12 0.00 | 64.59 -0.35 0.00 | 59.79 -0.63 0.00 | 100.42 -0.16 0.00 | 67.21 -0.04 0.00 | 42.74 -0.20 0.00 | 40.14 -0.30 -0.68 | 40.29 -0.31 -1.35 |
| LEDERLE____ 23769 | 73.00 1.16 0.00 | 38.32 0.73 0.00 | 37.04 0.64 0.00 | 36.70 0.74 0.00 | 39.70 0.76 0.00 | 41.89 1.17 0.00 | 54.55 2.11 0.00 | 65.48 3.07 0.00 | 38.91 1.74 0.00 | 39.29 1.33 0.00 | 49.23 1.49 0.00 | 40.11 1.33 0.00 | 41.26 1.31 0.00 | 49.75 1.46 0.00 | 51.68 1.75 0.00 | 59.54 2.43 0.00 | 92.99 3.75 0.00 | 67.98 3.04 0.00 | 63.56 3.14 0.00 | 105.45 4.87 0.00 | 70.45 3.21 0.00 | 44.91 1.97 0.00 | 41.39 1.63 0.00 | 40.49 1.24 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 71.06 -0.78 0.00 | 37.06 -0.53 0.00 | 35.87 -0.53 0.00 | 35.47 -0.50 0.00 | 38.49 -0.44 0.00 | 40.31 -0.41 0.00 | 52.18 -0.26 0.00 | 61.93 -0.48 0.00 | 36.69 -0.49 0.00 | 37.18 -0.78 0.00 | 46.60 -1.15 0.00 | 37.87 -0.90 0.00 | 38.97 -0.98 0.00 | 47.40 -0.89 0.00 | 48.96 -0.98 0.00 | 56.04 -1.07 0.00 | 87.45 -1.78 0.00 | 63.60 -1.35 0.00 | 59.33 -1.09 0.00 | 99.46 -1.12 0.00 | 66.70 -0.54 0.00 | 42.05 -0.89 0.00 | 38.86 -0.91 0.00 | 38.29 -0.96 0.00 |
| LINDEN COGEN____ 23786 | 72.93 1.09 0.00 | 38.36 0.77 0.00 | 37.09 0.69 0.00 | 36.72 0.76 0.00 | 39.67 0.73 0.00 | 41.73 1.02 0.00 | 54.39 1.94 0.00 | 65.38 2.97 0.00 | 38.92 1.75 0.00 | 39.30 1.34 0.00 | 49.24 1.50 0.00 | 40.20 1.43 0.00 | 41.32 1.37 0.00 | 49.80 1.51 0.00 | 51.61 1.67 0.00 | 59.33 2.22 0.00 | 92.68 3.44 0.00 | 68.05 3.11 0.00 | 63.74 3.32 0.00 | 105.65 5.06 0.00 | 70.51 3.27 0.00 | 44.99 2.05 0.00 | 41.44 1.68 0.00 | 40.52 1.27 0.00 |
| LINDHRST_69_KV_BK1 356055 | 83.93 2.79 -9.30 | 52.06 1.69 -12.78 | 37.92 1.52 0.00 | 37.48 1.51 0.00 | 40.60 1.65 0.00 | 54.22 1.90 -11.60 | 93.87 2.95 -38.48 | 100.57 3.99 -34.17 | 42.42 2.36 -2.90 | 42.63 2.02 -2.65 | 50.09 2.34 0.00 | 40.63 1.86 0.00 | 41.53 1.58 0.00 | 49.98 1.69 0.00 | 52.19 2.25 0.00 | 73.51 3.14 -13.26 | 110.47 4.39 -16.85 | 107.62 4.20 -38.48 | 103.65 4.54 -38.69 | 154.73 7.33 -46.82 | 93.98 4.99 -21.75 | 94.63 3.10 -48.59 | 59.64 2.57 -17.32 | 58.73 2.20 -17.28 |
| LIPA_MISC_IPP 23656 | 82.48 2.71 -7.93 | 50.65 1.57 -11.48 | 37.70 1.30 0.00 | 37.21 1.25 0.00 | 40.27 1.33 0.00 | 51.06 1.62 -8.72 | 87.14 2.58 -32.11 | 96.67 3.57 -30.68 | 40.68 2.04 -1.47 | 42.04 1.70 -2.38 | 49.59 1.85 0.00 | 40.20 1.43 0.00 | 40.99 1.04 0.00 | 49.28 0.99 0.00 | 51.44 1.50 0.00 | 71.39 2.36 -11.91 | 108.06 3.67 -15.15 | 103.29 4.01 -34.34 | 97.77 4.11 -33.24 | 146.30 6.19 -39.53 | 85.73 4.29 -14.19 | 74.13 2.61 -28.59 | 47.32 1.99 -5.56 | 48.32 1.62 -7.44 |
| LISF__SOLAR 323691 | 82.60 2.82 -7.95 | 50.72 1.63 -11.50 | 37.74 1.34 0.00 | 37.28 1.31 0.00 | 40.33 1.39 0.00 | 51.17 1.71 -8.74 | 87.28 2.68 -32.16 | 96.80 3.68 -30.71 | 40.73 2.08 -1.48 | 42.06 1.72 -2.38 | 49.59 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.26 0.96 0.00 | 51.43 1.49 0.00 | 71.43 2.40 -11.93 | 108.20 3.80 -15.17 | 103.45 4.14 -34.37 | 97.95 4.24 -33.29 | 146.61 6.42 -39.61 | 85.96 4.45 -14.27 | 74.42 2.70 -28.79 | 47.50 2.07 -5.68 | 48.48 1.69 -7.54 |

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| LITTLE FALLS___HYD 24013 | 69.71 -2.12 0.00 | 36.89 -0.70 0.00 | 35.62 -0.77 0.00 | 35.32 -0.65 0.00 | 38.18 -0.76 0.00 | 40.18 -0.54 0.00 | 52.36 -0.08 0.00 | 62.56 0.15 0.00 | 36.48 -0.69 0.00 | 36.55 -1.41 0.00 | 46.14 -1.60 0.00 | 37.16 -1.61 0.00 | 37.82 -2.13 0.00 | 46.35 -1.95 0.00 | 47.60 -2.34 0.00 | 55.00 -2.11 0.00 | 87.52 -1.71 0.00 | 64.89 -0.05 0.00 | 61.14 0.72 0.00 | 101.06 0.48 0.00 | 67.45 0.21 0.00 | 43.16 0.22 0.00 | 39.82 0.06 0.00 | 39.08 -0.18 0.00 |
| LITTLRIV_115KV_TB1 356100 | 74.39 2.54 0.00 | 38.78 1.19 0.00 | 37.54 1.14 0.00 | 37.04 1.07 0.00 | 40.15 1.21 0.00 | 41.94 1.22 0.00 | 54.09 1.65 0.00 | 64.01 1.60 0.00 | 37.72 0.54 0.00 | 38.26 0.30 0.00 | 47.76 0.02 0.00 | 38.70 -0.07 0.00 | 40.21 0.26 0.00 | 48.68 0.39 0.00 | 50.39 0.45 0.00 | 57.78 0.67 0.00 | 90.48 1.25 0.00 | 65.70 0.76 0.00 | 60.88 0.46 0.00 | 102.33 1.75 0.00 | 68.49 1.25 0.00 | 43.51 0.58 0.00 | 40.91 0.40 -0.75 | 41.09 0.36 -1.48 |
| LI_NEWBRDGE___DRP 323616 | 80.62 1.81 -6.97 | 49.33 1.20 -10.54 | 37.46 1.06 0.00 | 37.05 1.08 0.00 | 40.13 1.18 0.00 | 48.89 1.42 -6.75 | 82.41 2.29 -27.68 | 93.80 3.25 -28.14 | 39.43 1.93 -0.33 | 41.76 1.61 -2.18 | 49.62 1.87 0.00 | 40.34 1.57 0.00 | 41.29 1.34 0.00 | 49.72 1.43 0.00 | 51.76 1.82 0.00 | 70.53 2.48 -10.94 | 106.48 3.35 -13.90 | 99.83 3.37 -31.51 | 94.44 3.54 -30.47 | 142.72 5.52 -36.62 | 82.33 3.69 -11.39 | 66.41 2.25 -21.22 | 42.94 1.87 -1.31 | 44.67 1.53 -3.88 |
| LOCKPORT_115KV_TB60_63_64 80432 | 70.43 -1.41 0.00 | 36.20 -1.39 0.00 | 35.11 -1.29 0.00 | 34.56 -1.41 0.00 | 37.50 -1.44 0.00 | 39.08 -1.64 0.00 | 50.09 -2.35 0.00 | 57.87 -4.54 0.00 | 34.71 -2.46 0.00 | 36.67 -1.30 0.00 | 47.10 -0.65 0.00 | 37.98 -0.79 0.00 | 39.53 -0.42 0.00 | 48.34 0.05 0.00 | 50.24 0.31 0.00 | 56.89 -0.21 0.00 | 87.67 -1.56 0.00 | 62.42 -2.52 0.00 | 58.14 -2.28 0.00 | 96.77 -3.81 0.00 | 64.99 -2.25 0.00 | 41.61 -1.33 0.00 | 38.34 -1.42 0.00 | 37.97 -1.29 0.00 |
| LOCKPORT___CC1 323769 | 70.34 -1.51 0.00 | 36.17 -1.42 0.00 | 35.06 -1.34 0.00 | 34.50 -1.47 0.00 | 37.44 -1.50 0.00 | 39.01 -1.71 0.00 | 49.99 -2.46 0.00 | 57.74 -4.67 0.00 | 34.62 -2.55 0.00 | 36.58 -1.38 0.00 | 46.99 -0.76 0.00 | 37.89 -0.88 0.00 | 39.44 -0.51 0.00 | 48.23 -0.07 0.00 | 50.11 0.17 0.00 | 56.71 -0.40 0.00 | 87.45 -1.78 0.00 | 62.27 -2.67 0.00 | 58.00 -2.41 0.00 | 96.58 -4.00 0.00 | 64.88 -2.37 0.00 | 41.52 -1.42 0.00 | 38.22 -1.54 0.00 | 37.87 -1.39 0.00 |
| LOCKPORT___CC2 323770 | 70.34 -1.51 0.00 | 36.17 -1.42 0.00 | 35.06 -1.34 0.00 | 34.50 -1.47 0.00 | 37.44 -1.50 0.00 | 39.01 -1.71 0.00 | 49.99 -2.46 0.00 | 57.74 -4.67 0.00 | 34.62 -2.55 0.00 | 36.58 -1.38 0.00 | 46.99 -0.76 0.00 | 37.89 -0.88 0.00 | 39.44 -0.51 0.00 | 48.23 -0.07 0.00 | 50.11 0.17 0.00 | 56.71 -0.40 0.00 | 87.45 -1.78 0.00 | 62.27 -2.67 0.00 | 58.00 -2.41 0.00 | 96.58 -4.00 0.00 | 64.88 -2.37 0.00 | 41.52 -1.42 0.00 | 38.22 -1.54 0.00 | 37.87 -1.39 0.00 |
| LOCKPORT___CC3 323771 | 70.34 -1.51 0.00 | 36.17 -1.42 0.00 | 35.06 -1.34 0.00 | 34.50 -1.47 0.00 | 37.44 -1.50 0.00 | 39.01 -1.71 0.00 | 49.99 -2.46 0.00 | 57.74 -4.67 0.00 | 34.62 -2.55 0.00 | 36.58 -1.38 0.00 | 46.99 -0.76 0.00 | 37.89 -0.88 0.00 | 39.44 -0.51 0.00 | 48.23 -0.07 0.00 | 50.11 0.17 0.00 | 56.71 -0.40 0.00 | 87.45 -1.78 0.00 | 62.27 -2.67 0.00 | 58.00 -2.41 0.00 | 96.58 -4.00 0.00 | 64.88 -2.37 0.00 | 41.52 -1.42 0.00 | 38.22 -1.54 0.00 | 37.87 -1.39 0.00 |
| LONG_LAKE_PHOENIX 24014 | 70.68 -1.16 0.00 | 36.92 -0.67 0.00 | 35.75 -0.65 0.00 | 35.33 -0.64 0.00 | 38.27 -0.67 0.00 | 40.01 -0.71 0.00 | 51.57 -0.87 0.00 | 61.25 -1.16 0.00 | 36.48 -0.69 0.00 | 37.30 -0.66 0.00 | 47.01 -0.74 0.00 | 38.11 -0.66 0.00 | 39.32 -0.63 0.00 | 47.69 -0.60 0.00 | 49.29 -0.65 0.00 | 56.25 -0.86 0.00 | 87.80 -1.43 0.00 | 63.88 -1.06 0.00 | 59.58 -0.84 0.00 | 99.14 -1.44 0.00 | 66.29 -0.96 0.00 | 42.26 -0.68 0.00 | 39.15 -0.61 0.00 | 38.70 -0.55 0.00 |
| LOVETT___3 23632 | 72.70 0.85 0.00 | 38.18 0.59 0.00 | 36.92 0.52 0.00 | 36.57 0.60 0.00 | 39.54 0.60 0.00 | 41.59 0.87 0.00 | 54.13 1.69 0.00 | 64.96 2.55 0.00 | 38.63 1.45 0.00 | 39.01 1.05 0.00 | 48.87 1.13 0.00 | 39.84 1.07 0.00 | 40.97 1.02 0.00 | 49.39 1.09 0.00 | 51.23 1.29 0.00 | 58.96 1.85 0.00 | 92.13 2.90 0.00 | 67.58 2.63 0.00 | 63.26 2.85 0.00 | 104.94 4.35 0.00 | 70.10 2.86 0.00 | 44.70 1.76 0.00 | 41.20 1.44 0.00 | 40.33 1.08 0.00 |
| LOVETT___4 23642 | 72.70 0.85 0.00 | 38.18 0.59 0.00 | 36.92 0.52 0.00 | 36.57 0.60 0.00 | 39.54 0.60 0.00 | 41.59 0.87 0.00 | 54.13 1.69 0.00 | 64.96 2.55 0.00 | 38.63 1.45 0.00 | 39.01 1.05 0.00 | 48.87 1.13 0.00 | 39.84 1.07 0.00 | 40.97 1.02 0.00 | 49.39 1.09 0.00 | 51.23 1.29 0.00 | 58.96 1.85 0.00 | 92.13 2.90 0.00 | 67.58 2.63 0.00 | 63.26 2.85 0.00 | 104.94 4.35 0.00 | 70.10 2.86 0.00 | 44.70 1.76 0.00 | 41.20 1.44 0.00 | 40.33 1.08 0.00 |
| LOVETT___5 23593 | 72.70 0.85 0.00 | 38.18 0.59 0.00 | 36.92 0.52 0.00 | 36.57 0.60 0.00 | 39.54 0.60 0.00 | 41.59 0.87 0.00 | 54.13 1.69 0.00 | 64.96 2.55 0.00 | 38.63 1.45 0.00 | 39.01 1.05 0.00 | 48.87 1.13 0.00 | 39.84 1.07 0.00 | 40.97 1.02 0.00 | 49.39 1.09 0.00 | 51.23 1.29 0.00 | 58.96 1.85 0.00 | 92.13 2.90 0.00 | 67.58 2.63 0.00 | 63.26 2.85 0.00 | 104.94 4.35 0.00 | 70.10 2.86 0.00 | 44.70 1.76 0.00 | 41.20 1.44 0.00 | 40.33 1.08 0.00 |
| LOWER RAQUET___HYD 24057 | 72.84 1.00 0.00 | 37.99 0.40 0.00 | 36.77 0.37 0.00 | 36.28 0.32 0.00 | 39.33 0.39 0.00 | 41.07 0.35 0.00 | 52.93 0.49 0.00 | 62.71 0.30 0.00 | 37.10 -0.08 0.00 | 37.76 -0.21 0.00 | 47.17 -0.58 0.00 | 38.22 -0.54 0.00 | 39.60 -0.35 0.00 | 47.87 -0.42 0.00 | 49.51 -0.43 0.00 | 56.70 -0.41 0.00 | 88.58 -0.66 0.00 | 64.21 -0.73 0.00 | 59.48 -0.94 0.00 | 99.97 -0.62 0.00 | 66.92 -0.33 0.00 | 42.50 -0.44 0.00 | 40.03 -0.54 -0.81 | 40.30 -0.56 -1.61 |
| LOWER___HUDSON 24059 | 72.05 0.21 0.00 | 38.03 0.44 0.00 | 36.87 0.47 0.00 | 36.49 0.52 0.00 | 39.40 0.46 0.00 | 41.33 0.61 0.00 | 53.65 1.20 0.00 | 64.27 1.86 0.00 | 38.20 1.02 0.00 | 38.65 0.69 0.00 | 48.41 0.66 0.00 | 39.28 0.51 0.00 | 40.38 0.43 0.00 | 48.72 0.43 0.00 | 50.43 0.50 0.00 | 57.95 0.84 0.00 | 91.19 1.96 0.00 | 67.12 2.18 0.00 | 62.78 2.36 0.00 | 104.11 3.53 0.00 | 69.49 2.24 0.00 | 44.31 1.37 0.00 | 41.08 1.33 0.00 | 40.43 1.18 0.00 |
| LOWVILLE_115KV_TB2 356335 | 72.92 1.08 0.00 | 37.96 0.37 0.00 | 36.71 0.31 0.00 | 36.33 0.36 0.00 | 39.50 0.56 0.00 | 41.47 0.76 0.00 | 53.93 1.49 0.00 | 64.05 1.64 0.00 | 37.70 0.53 0.00 | 37.89 -0.08 0.00 | 47.14 -0.60 0.00 | 38.27 -0.50 0.00 | 39.18 -0.77 0.00 | 47.85 -0.44 0.00 | 49.12 -0.82 0.00 | 56.37 -0.73 0.00 | 88.11 -1.12 0.00 | 63.98 -0.97 0.00 | 59.47 -0.95 0.00 | 101.03 0.45 0.00 | 67.82 0.57 0.00 | 42.21 -0.72 0.00 | 39.07 -0.92 -0.23 | 38.48 -1.24 -0.46 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 74.05 2.21 0.00 | 39.01 1.42 0.00 | 37.80 1.40 0.00 | 37.41 1.44 0.00 | 40.41 1.48 0.00 | 42.42 1.70 0.00 | 55.18 2.74 0.00 | 66.00 3.59 0.00 | 39.13 1.96 0.00 | 39.53 1.56 0.00 | 49.58 1.83 0.00 | 40.14 1.37 0.00 | 41.22 1.27 0.00 | 49.90 1.61 0.00 | 51.71 1.77 0.00 | 59.40 2.30 0.00 | 93.65 4.42 0.00 | 68.93 3.99 0.00 | 64.62 4.20 0.00 | 107.14 6.56 0.00 | 71.47 4.23 0.00 | 45.50 2.56 0.00 | 42.09 2.33 0.00 | 41.43 2.17 0.00 |

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| LUTHERNY_35_KV_BK2 355980 | 74.05 2.20 0.00 | 38.99 1.40 0.00 | 37.78 1.38 0.00 | 37.40 1.43 0.00 | 40.39 1.45 0.00 | 42.41 1.69 0.00 | 55.21 2.76 0.00 | 66.00 3.59 0.00 | 39.14 1.96 0.00 | 39.52 1.56 0.00 | 49.61 1.86 0.00 | 40.11 1.35 0.00 | 41.26 1.31 0.00 | 49.95 1.65 0.00 | 51.76 1.82 0.00 | 59.41 2.30 0.00 | 93.76 4.53 0.00 | 68.93 3.99 0.00 | 64.66 4.24 0.00 | 107.26 6.67 0.00 | 71.48 4.24 0.00 | 45.49 2.55 0.00 | 42.08 2.32 0.00 | 41.46 2.21 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 72.01 0.16 0.00 | 37.52 -0.07 0.00 | 36.30 -0.10 0.00 | 35.87 -0.10 0.00 | 38.95 0.01 0.00 | 40.78 0.06 0.00 | 52.83 0.39 0.00 | 62.65 0.24 0.00 | 36.93 -0.24 0.00 | 37.29 -0.67 0.00 | 46.44 -1.31 0.00 | 37.71 -1.06 0.00 | 38.86 -1.09 0.00 | 47.22 -1.08 0.00 | 48.70 -1.24 0.00 | 55.86 -1.25 0.00 | 87.29 -1.94 0.00 | 63.37 -1.58 0.00 | 58.82 -1.60 0.00 | 99.42 -1.16 0.00 | 66.67 -0.57 0.00 | 41.87 -1.06 0.00 | 39.14 -1.17 -0.55 | 39.01 -1.34 -1.09 |
| LYONS_FALL_HYD 23570 | 73.03 1.19 0.00 | 38.07 0.48 0.00 | 36.85 0.45 0.00 | 36.45 0.49 0.00 | 39.56 0.62 0.00 | 41.52 0.81 0.00 | 53.90 1.45 0.00 | 64.09 1.68 0.00 | 37.83 0.65 0.00 | 38.20 0.24 0.00 | 47.79 0.05 0.00 | 38.76 -0.01 0.00 | 39.73 -0.22 0.00 | 48.42 0.12 0.00 | 49.84 -0.10 0.00 | 57.19 0.08 0.00 | 89.41 0.17 0.00 | 65.03 0.09 0.00 | 60.54 0.12 0.00 | 102.06 1.48 0.00 | 68.37 1.13 0.00 | 42.93 0.00 0.00 | 39.72 -0.20 -0.16 | 39.13 -0.44 -0.31 |
| MADISON___COUNTY_LFGE 323628 | 73.50 1.66 0.00 | 38.34 0.75 0.00 | 37.12 0.73 0.00 | 36.71 0.74 0.00 | 39.75 0.82 0.00 | 41.69 0.97 0.00 | 54.02 1.58 0.00 | 64.28 1.87 0.00 | 38.06 0.89 0.00 | 38.75 0.78 0.00 | 48.82 1.08 0.00 | 39.55 0.78 0.00 | 40.56 0.61 0.00 | 49.38 1.08 0.00 | 51.00 1.06 0.00 | 58.59 1.48 0.00 | 91.58 2.35 0.00 | 66.67 1.72 0.00 | 62.24 1.83 0.00 | 103.82 3.23 0.00 | 69.34 2.09 0.00 | 44.05 1.11 0.00 | 40.62 0.86 0.00 | 40.00 0.74 0.00 |
| MALONE___115KV_TB1 356076 | 74.35 2.51 0.00 | 38.87 1.28 0.00 | 37.65 1.26 0.00 | 37.19 1.22 0.00 | 40.34 1.40 0.00 | 42.03 1.31 0.00 | 54.20 1.76 0.00 | 64.22 1.81 0.00 | 38.03 0.85 0.00 | 38.68 0.72 0.00 | 48.22 0.47 0.00 | 38.92 0.15 0.00 | 40.28 0.33 0.00 | 48.66 0.36 0.00 | 50.40 0.46 0.00 | 57.79 0.68 0.00 | 89.68 0.45 0.00 | 65.13 0.18 0.00 | 60.69 0.27 0.00 | 101.97 1.38 0.00 | 68.22 0.98 0.00 | 43.25 0.31 0.00 | 43.00 -0.22 -3.47 | 45.85 -0.28 -6.88 |
| MAPLEWOD_115KV_TB3 80458 | 71.70 -0.14 0.00 | 37.87 0.28 0.00 | 36.71 0.31 0.00 | 36.32 0.36 0.00 | 39.20 0.26 0.00 | 41.10 0.38 0.00 | 53.32 0.88 0.00 | 63.92 1.51 0.00 | 38.03 0.86 0.00 | 38.57 0.60 0.00 | 48.24 0.50 0.00 | 39.21 0.44 0.00 | 40.28 0.32 0.00 | 48.59 0.30 0.00 | 50.28 0.34 0.00 | 57.77 0.66 0.00 | 91.15 1.92 0.00 | 67.04 2.09 0.00 | 62.56 2.14 0.00 | 103.72 3.13 0.00 | 69.02 1.77 0.00 | 44.01 1.07 0.00 | 40.91 1.15 0.00 | 40.13 0.87 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 72.22 0.38 0.00 | 37.65 0.06 0.00 | 36.45 0.06 0.00 | 36.05 0.08 0.00 | 39.08 0.15 0.00 | 40.88 0.16 0.00 | 52.65 0.21 0.00 | 62.58 0.17 0.00 | 37.25 0.08 0.00 | 38.04 0.08 0.00 | 47.73 -0.02 0.00 | 38.66 -0.11 0.00 | 39.81 -0.14 0.00 | 48.13 -0.16 0.00 | 49.64 -0.29 0.00 | 56.67 -0.44 0.00 | 88.35 -0.88 0.00 | 63.84 -1.11 0.00 | 59.17 -1.25 0.00 | 99.41 -1.17 0.00 | 66.50 -0.75 0.00 | 42.15 -0.78 0.00 | 38.90 -0.86 0.00 | 38.32 -0.94 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 72.22 0.38 0.00 | 37.65 0.06 0.00 | 36.45 0.06 0.00 | 36.05 0.08 0.00 | 39.08 0.15 0.00 | 40.88 0.16 0.00 | 52.65 0.21 0.00 | 62.58 0.17 0.00 | 37.25 0.08 0.00 | 38.04 0.08 0.00 | 47.73 -0.02 0.00 | 38.66 -0.11 0.00 | 39.81 -0.14 0.00 | 48.13 -0.16 0.00 | 49.64 -0.29 0.00 | 56.67 -0.44 0.00 | 88.35 -0.88 0.00 | 63.84 -1.11 0.00 | 59.17 -1.25 0.00 | 99.41 -1.17 0.00 | 66.50 -0.75 0.00 | 42.15 -0.78 0.00 | 38.90 -0.86 0.00 | 38.32 -0.94 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 73.51 1.67 0.00 | 38.52 0.93 0.00 | 37.34 0.95 0.00 | 36.87 0.91 0.00 | 39.98 1.04 0.00 | 41.60 0.88 0.00 | 53.54 1.10 0.00 | 63.36 0.95 0.00 | 37.57 0.39 0.00 | 38.35 0.39 0.00 | 47.78 0.04 0.00 | 38.66 -0.11 0.00 | 39.95 0.00 0.00 | 48.24 -0.05 0.00 | 49.95 0.01 0.00 | 57.21 0.10 0.00 | 88.44 -0.79 0.00 | 64.21 -0.74 0.00 | 59.99 -0.43 0.00 | 100.61 0.02 0.00 | 67.25 0.00 0.00 | 42.62 -0.31 0.00 | 34.08 -0.78 4.91 | 28.69 -0.82 9.74 |
| MARSHVLE_115KV_TB1 80742 | 76.58 4.74 0.00 | 39.98 2.39 0.00 | 38.67 2.28 0.00 | 38.23 2.26 0.00 | 41.46 2.52 0.00 | 43.48 2.76 0.00 | 56.39 3.94 0.00 | 66.74 4.33 0.00 | 39.05 1.88 0.00 | 39.58 1.62 0.00 | 50.19 2.45 0.00 | 40.33 1.56 0.00 | 41.29 1.33 0.00 | 50.53 2.23 0.00 | 52.21 2.27 0.00 | 59.88 2.77 0.00 | 94.29 5.06 0.00 | 68.76 3.82 0.00 | 63.96 3.54 0.00 | 106.62 6.04 0.00 | 71.46 4.21 0.00 | 45.53 2.60 0.00 | 41.98 2.22 0.00 | 41.27 2.01 0.00 |
| MARSH_HILL_WT_PWR 323713 | 71.78 -0.06 0.00 | 37.06 -0.53 0.00 | 35.57 -0.83 0.00 | 34.76 -1.20 0.00 | 37.96 -0.98 0.00 | 39.53 -1.19 0.00 | 50.72 -1.72 0.00 | 59.17 -3.24 0.00 | 34.46 -2.71 0.00 | 36.10 -1.86 0.00 | 45.65 -2.09 0.00 | 36.26 -2.51 0.00 | 37.81 -2.14 0.00 | 45.75 -2.54 0.00 | 47.41 -2.53 0.00 | 54.08 -3.03 0.00 | 83.52 -5.71 0.00 | 59.41 -5.53 0.00 | 55.95 -4.47 0.00 | 93.16 -7.43 0.00 | 62.38 -4.87 0.00 | 39.48 -3.45 0.00 | 36.34 -3.42 0.00 | 36.22 -3.04 0.00 |
| MCINTYRE_115KV_TB2 80467 | 75.35 3.51 0.00 | 39.27 1.68 0.00 | 38.01 1.62 0.00 | 37.49 1.53 0.00 | 40.63 1.70 0.00 | 42.45 1.73 0.00 | 54.73 2.29 0.00 | 64.73 2.32 0.00 | 38.07 0.90 0.00 | 38.64 0.67 0.00 | 48.29 0.54 0.00 | 39.13 0.36 0.00 | 40.69 0.74 0.00 | 49.26 0.97 0.00 | 50.99 1.05 0.00 | 58.47 1.36 0.00 | 91.70 2.46 0.00 | 66.63 1.69 0.00 | 61.72 1.30 0.00 | 103.66 3.08 0.00 | 69.37 2.12 0.00 | 44.14 1.20 0.00 | 41.41 1.01 -0.64 | 41.51 0.98 -1.28 |
| MECO_____69_KV_BK1 80468 | 76.44 4.60 0.00 | 39.98 2.39 0.00 | 38.69 2.29 0.00 | 38.27 2.30 0.00 | 41.49 2.55 0.00 | 43.57 2.85 0.00 | 56.59 4.15 0.00 | 67.20 4.79 0.00 | 39.28 2.11 0.00 | 39.49 1.53 0.00 | 50.27 2.52 0.00 | 40.38 1.61 0.00 | 41.15 1.20 0.00 | 50.13 1.84 0.00 | 51.81 1.88 0.00 | 59.64 2.53 0.00 | 94.78 5.55 0.00 | 69.59 4.64 0.00 | 65.04 4.62 0.00 | 108.26 7.67 0.00 | 72.43 5.18 0.00 | 46.10 3.17 0.00 | 42.47 2.70 0.00 | 41.74 2.48 0.00 |
| MENANDS___115KV_TB5 355628 | 71.21 -0.63 0.00 | 37.65 0.06 0.00 | 36.49 0.10 0.00 | 36.12 0.15 0.00 | 38.97 0.03 0.00 | 40.85 0.13 0.00 | 52.97 0.53 0.00 | 63.50 1.09 0.00 | 37.75 0.58 0.00 | 38.30 0.33 0.00 | 47.93 0.18 0.00 | 38.97 0.19 0.00 | 40.06 0.11 0.00 | 48.31 0.02 0.00 | 49.93 -0.01 0.00 | 57.36 0.25 0.00 | 90.46 1.23 0.00 | 66.45 1.51 0.00 | 61.98 1.56 0.00 | 102.75 2.16 0.00 | 68.55 1.30 0.00 | 43.74 0.81 0.00 | 40.59 0.83 0.00 | 39.91 0.65 0.00 |
| MG INDUSTRY___DRP 24185 | 71.79 -0.05 0.00 | 37.85 0.26 0.00 | 36.71 0.31 0.00 | 36.32 0.36 0.00 | 39.23 0.29 0.00 | 41.12 0.41 0.00 | 53.23 0.79 0.00 | 63.66 1.25 0.00 | 37.75 0.58 0.00 | 38.14 0.18 0.00 | 47.84 0.09 0.00 | 38.88 0.11 0.00 | 39.98 0.03 0.00 | 48.28 -0.01 0.00 | 49.94 0.00 0.00 | 57.37 0.27 0.00 | 90.52 1.29 0.00 | 66.41 1.47 0.00 | 62.04 1.62 0.00 | 102.89 2.31 0.00 | 68.71 1.46 0.00 | 43.87 0.94 0.00 | 40.65 0.89 0.00 | 40.02 0.77 0.00 |

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| MID___OSWEGATCHIE_HYD 23849 | 72.01 0.16 0.00 | 37.52 -0.07 0.00 | 36.30 -0.10 0.00 | 35.87 -0.10 0.00 | 38.95 0.01 0.00 | 40.78 0.06 0.00 | 52.83 0.39 0.00 | 62.65 0.24 0.00 | 36.93 -0.24 0.00 | 37.29 -0.67 0.00 | 46.44 -1.31 0.00 | 37.71 -1.06 0.00 | 38.86 -1.09 0.00 | 47.22 -1.08 0.00 | 48.70 -1.24 0.00 | 55.86 -1.25 0.00 | 87.29 -1.94 0.00 | 63.37 -1.58 0.00 | 58.82 -1.60 0.00 | 99.42 -1.16 0.00 | 66.67 -0.57 0.00 | 41.87 -1.06 0.00 | 39.14 -1.17 -0.55 | 39.01 -1.34 -1.09 |
| MID___RAQUETTE_HYD 23851 | 72.84 1.00 0.00 | 37.99 0.40 0.00 | 36.77 0.37 0.00 | 36.28 0.32 0.00 | 39.33 0.39 0.00 | 41.07 0.35 0.00 | 52.93 0.49 0.00 | 62.71 0.30 0.00 | 37.09 -0.08 0.00 | 37.76 -0.21 0.00 | 47.17 -0.58 0.00 | 38.22 -0.54 0.00 | 39.60 -0.35 0.00 | 47.87 -0.42 0.00 | 49.51 -0.43 0.00 | 56.70 -0.41 0.00 | 88.57 -0.66 0.00 | 64.21 -0.73 0.00 | 59.48 -0.94 0.00 | 99.96 -0.63 0.00 | 66.91 -0.33 0.00 | 42.50 -0.44 0.00 | 40.03 -0.54 -0.81 | 40.30 -0.56 -1.61 |
| MILLIKEN___1 23584 | 73.00 1.16 0.00 | 38.06 0.46 0.00 | 36.84 0.44 0.00 | 36.43 0.46 0.00 | 39.49 0.55 0.00 | 41.35 0.63 0.00 | 53.54 1.10 0.00 | 63.55 1.14 0.00 | 37.74 0.57 0.00 | 38.46 0.50 0.00 | 48.70 0.96 0.00 | 39.50 0.73 0.00 | 40.67 0.72 0.00 | 49.24 0.94 0.00 | 51.02 1.08 0.00 | 58.43 1.32 0.00 | 91.09 1.86 0.00 | 66.24 1.29 0.00 | 61.72 1.30 0.00 | 102.70 2.11 0.00 | 68.63 1.38 0.00 | 43.62 0.68 0.00 | 40.20 0.44 0.00 | 39.72 0.46 0.00 |
| MILLIKEN___2 23585 | 73.00 1.16 0.00 | 38.06 0.46 0.00 | 36.84 0.44 0.00 | 36.43 0.46 0.00 | 39.49 0.55 0.00 | 41.35 0.63 0.00 | 53.54 1.10 0.00 | 63.55 1.14 0.00 | 37.74 0.57 0.00 | 38.46 0.50 0.00 | 48.70 0.96 0.00 | 39.50 0.73 0.00 | 40.67 0.72 0.00 | 49.24 0.94 0.00 | 51.02 1.08 0.00 | 58.43 1.32 0.00 | 91.09 1.86 0.00 | 66.24 1.29 0.00 | 61.72 1.30 0.00 | 102.70 2.11 0.00 | 68.63 1.38 0.00 | 43.62 0.68 0.00 | 40.20 0.44 0.00 | 39.72 0.46 0.00 |
| MILLIKEN___DIESEL 23629 | 73.00 1.16 0.00 | 38.06 0.46 0.00 | 36.84 0.44 0.00 | 36.43 0.46 0.00 | 39.49 0.55 0.00 | 41.35 0.63 0.00 | 53.54 1.10 0.00 | 63.55 1.14 0.00 | 37.74 0.57 0.00 | 38.46 0.50 0.00 | 48.70 0.96 0.00 | 39.50 0.73 0.00 | 40.67 0.72 0.00 | 49.24 0.94 0.00 | 51.02 1.08 0.00 | 58.43 1.32 0.00 | 91.09 1.86 0.00 | 66.24 1.29 0.00 | 61.72 1.30 0.00 | 102.70 2.11 0.00 | 68.63 1.38 0.00 | 43.62 0.68 0.00 | 40.20 0.44 0.00 | 39.72 0.46 0.00 |
| MILLSEAT___LFGE 323607 | 71.83 -0.01 0.00 | 36.98 -0.61 0.00 | 35.84 -0.55 0.00 | 35.31 -0.66 0.00 | 38.34 -0.60 0.00 | 40.05 -0.67 0.00 | 51.53 -0.92 0.00 | 59.76 -2.65 0.00 | 35.82 -1.36 0.00 | 37.69 -0.28 0.00 | 48.24 0.50 0.00 | 38.92 0.15 0.00 | 40.53 0.58 0.00 | 49.59 1.30 0.00 | 51.55 1.61 0.00 | 58.41 1.30 0.00 | 90.17 0.93 0.00 | 64.37 -0.57 0.00 | 60.00 -0.42 0.00 | 99.82 -0.76 0.00 | 66.94 -0.31 0.00 | 42.75 -0.18 0.00 | 39.31 -0.46 0.00 | 38.85 -0.40 0.00 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 72.91 1.07 0.00 | 38.32 0.73 0.00 | 37.06 0.67 0.00 | 36.69 0.73 0.00 | 39.67 0.73 0.00 | 41.71 1.00 0.00 | 54.29 1.85 0.00 | 65.20 2.79 0.00 | 38.80 1.62 0.00 | 39.20 1.23 0.00 | 49.10 1.35 0.00 | 40.01 1.24 0.00 | 41.12 1.17 0.00 | 49.56 1.27 0.00 | 51.38 1.44 0.00 | 59.12 2.02 0.00 | 92.43 3.20 0.00 | 67.83 2.89 0.00 | 63.53 3.11 0.00 | 105.36 4.77 0.00 | 70.37 3.12 0.00 | 44.87 1.94 0.00 | 41.35 1.59 0.00 | 40.49 1.24 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 73.00 1.16 0.00 | 38.37 0.77 0.00 | 37.11 0.71 0.00 | 36.75 0.78 0.00 | 39.72 0.79 0.00 | 41.78 1.06 0.00 | 54.38 1.94 0.00 | 65.27 2.86 0.00 | 38.85 1.68 0.00 | 39.24 1.28 0.00 | 49.15 1.41 0.00 | 40.05 1.28 0.00 | 41.17 1.22 0.00 | 49.60 1.31 0.00 | 51.43 1.49 0.00 | 59.20 2.09 0.00 | 92.55 3.32 0.00 | 67.94 3.00 0.00 | 63.63 3.21 0.00 | 105.55 4.97 0.00 | 70.49 3.24 0.00 | 44.93 2.00 0.00 | 41.42 1.66 0.00 | 40.54 1.29 0.00 |
| MODEL_CITY_ENERGY 24167 | 69.82 -2.02 0.00 | 35.90 -1.69 0.00 | 34.82 -1.58 0.00 | 34.27 -1.70 0.00 | 37.18 -1.75 0.00 | 38.76 -1.96 0.00 | 49.62 -2.82 0.00 | 57.25 -5.16 0.00 | 34.39 -2.79 0.00 | 36.35 -1.61 0.00 | 46.72 -1.02 0.00 | 37.66 -1.11 0.00 | 39.16 -0.80 0.00 | 47.91 -0.38 0.00 | 49.80 -0.13 0.00 | 56.41 -0.70 0.00 | 86.93 -2.30 0.00 | 61.81 -3.13 0.00 | 57.50 -2.92 0.00 | 95.71 -4.87 0.00 | 64.32 -2.93 0.00 | 41.22 -1.72 0.00 | 38.06 -1.70 0.00 | 37.71 -1.55 0.00 |
| MODERN_LFGE___ 323580 | 69.82 -2.02 0.00 | 35.90 -1.69 0.00 | 34.82 -1.58 0.00 | 34.27 -1.70 0.00 | 37.18 -1.75 0.00 | 38.76 -1.96 0.00 | 49.62 -2.82 0.00 | 57.25 -5.16 0.00 | 34.39 -2.79 0.00 | 36.35 -1.61 0.00 | 46.72 -1.02 0.00 | 37.66 -1.11 0.00 | 39.16 -0.80 0.00 | 47.91 -0.38 0.00 | 49.80 -0.13 0.00 | 56.41 -0.70 0.00 | 86.93 -2.30 0.00 | 61.81 -3.13 0.00 | 57.50 -2.92 0.00 | 95.71 -4.87 0.00 | 64.32 -2.93 0.00 | 41.22 -1.72 0.00 | 38.06 -1.70 0.00 | 37.71 -1.55 0.00 |
| MOHAWK_PAPER___DRP 24187 | 71.70 -0.14 0.00 | 37.87 0.28 0.00 | 36.71 0.31 0.00 | 36.32 0.36 0.00 | 39.20 0.26 0.00 | 41.10 0.38 0.00 | 53.32 0.88 0.00 | 63.92 1.51 0.00 | 38.03 0.86 0.00 | 38.57 0.60 0.00 | 48.24 0.50 0.00 | 39.21 0.44 0.00 | 40.28 0.32 0.00 | 48.59 0.30 0.00 | 50.28 0.34 0.00 | 57.77 0.66 0.00 | 91.15 1.92 0.00 | 67.04 2.09 0.00 | 62.56 2.14 0.00 | 103.72 3.13 0.00 | 69.02 1.77 0.00 | 44.01 1.07 0.00 | 40.91 1.15 0.00 | 40.13 0.87 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 74.93 3.09 0.00 | 39.49 1.90 0.00 | 38.20 1.80 0.00 | 37.78 1.81 0.00 | 40.85 1.91 0.00 | 42.80 2.08 0.00 | 55.94 3.50 0.00 | 67.13 4.72 0.00 | 39.86 2.68 0.00 | 40.20 2.23 0.00 | 50.28 2.53 0.00 | 40.62 1.85 0.00 | 41.72 1.77 0.00 | 50.40 2.11 0.00 | 52.13 2.20 0.00 | 59.95 2.84 0.00 | 94.66 5.43 0.00 | 69.86 4.92 0.00 | 65.66 5.24 0.00 | 108.60 8.01 0.00 | 72.40 5.16 0.00 | 46.05 3.11 0.00 | 42.67 2.91 0.00 | 41.94 2.69 0.00 |
| MONGAUP___HYD 23641 | 73.62 1.79 0.00 | 38.62 1.03 0.00 | 37.33 0.94 0.00 | 36.98 1.01 0.00 | 40.00 1.06 0.00 | 42.06 1.34 0.00 | 54.33 1.89 0.00 | 64.65 2.24 0.00 | 38.28 1.11 0.00 | 38.70 0.74 0.00 | 48.53 0.79 0.00 | 39.44 0.67 0.00 | 40.51 0.56 0.00 | 48.83 0.54 0.00 | 50.57 0.64 0.00 | 57.80 0.69 0.00 | 91.67 2.44 0.00 | 67.35 2.41 0.00 | 63.38 2.96 0.00 | 104.63 4.04 0.00 | 69.96 2.71 0.00 | 44.89 1.95 0.00 | 41.61 1.86 0.00 | 40.74 1.48 0.00 |
| MONTAUK___DIESEL 23721 | 84.40 4.62 -7.94 | 51.72 2.64 -11.49 | 38.01 1.62 0.00 | 37.11 1.15 0.00 | 39.71 0.77 0.00 | 50.46 1.01 -8.72 | 86.51 1.94 -32.13 | 96.29 3.19 -30.69 | 40.75 2.10 -1.47 | 42.39 2.05 -2.38 | 50.42 2.67 0.00 | 40.88 2.11 0.00 | 41.51 1.56 0.00 | 49.76 1.46 0.00 | 51.88 1.94 0.00 | 71.20 2.17 -11.92 | 109.60 5.22 -15.16 | 104.67 5.38 -34.35 | 98.16 4.48 -33.26 | 147.57 7.42 -39.56 | 85.12 3.66 -14.22 | 73.52 1.93 -28.66 | 46.40 1.04 -5.61 | 47.73 1.00 -7.48 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 72.88 1.05 0.00 | 37.28 -0.31 0.00 | 35.80 -0.60 0.00 | 35.43 -0.53 0.00 | 38.24 -0.70 0.00 | 39.95 -0.77 0.00 | 51.56 -0.88 0.00 | 59.28 -3.13 0.00 | 34.90 -2.27 0.00 | 36.69 -1.28 0.00 | 47.20 -0.55 0.00 | 38.40 -0.37 0.00 | 40.34 0.39 0.00 | 49.48 1.19 0.00 | 49.87 -0.07 0.00 | 56.42 -0.69 0.00 | 86.54 -2.69 0.00 | 61.81 -3.13 0.00 | 58.05 -2.36 0.00 | 96.06 -4.52 0.00 | 64.34 -2.91 0.00 | 40.95 -1.99 0.00 | 37.34 -2.42 0.00 | 37.01 -2.25 0.00 |

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| MORRIS_RIDGE___SOLAR 323848 | 70.81 -1.03 0.00 | 36.51 -1.08 0.00 | 35.20 -1.19 0.00 | 34.58 -1.38 0.00 | 37.61 -1.32 0.00 | 39.09 -1.63 0.00 | 50.33 -2.12 0.00 | 58.59 -3.82 0.00 | 34.45 -2.72 0.00 | 36.03 -1.93 0.00 | 45.81 -1.93 0.00 | 36.77 -2.00 0.00 | 38.51 -1.44 0.00 | 46.86 -1.43 0.00 | 48.41 -1.53 0.00 | 54.63 -2.48 0.00 | 84.10 -5.13 0.00 | 60.50 -4.45 0.00 | 56.95 -3.47 0.00 | 94.90 -5.68 0.00 | 63.57 -3.68 0.00 | 40.27 -2.67 0.00 | 36.97 -2.79 0.00 | 36.70 -2.56 0.00 |
| MORTIMER_115KV_TB3 55949 | 71.49 -0.35 0.00 | 37.00 -0.59 0.00 | 35.85 -0.54 0.00 | 35.36 -0.61 0.00 | 38.35 -0.59 0.00 | 40.05 -0.67 0.00 | 51.63 -0.82 0.00 | 60.54 -1.87 0.00 | 36.20 -0.98 0.00 | 37.68 -0.28 0.00 | 48.01 0.26 0.00 | 38.82 0.04 0.00 | 40.30 0.35 0.00 | 49.05 0.76 0.00 | 50.84 0.90 0.00 | 57.84 0.73 0.00 | 89.76 0.53 0.00 | 64.59 -0.35 0.00 | 60.21 -0.21 0.00 | 100.15 -0.43 0.00 | 67.12 -0.13 0.00 | 42.83 -0.11 0.00 | 39.39 -0.37 0.00 | 38.92 -0.34 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 73.36 1.52 0.00 | 38.56 0.97 0.00 | 37.30 0.91 0.00 | 36.93 0.96 0.00 | 39.89 0.95 0.00 | 41.97 1.25 0.00 | 54.65 2.21 0.00 | 65.68 3.27 0.00 | 39.15 1.98 0.00 | 39.55 1.59 0.00 | 49.56 1.82 0.00 | 40.41 1.64 0.00 | 41.53 1.58 0.00 | 50.03 1.74 0.00 | 51.86 1.92 0.00 | 59.62 2.51 0.00 | 93.12 3.89 0.00 | 68.37 3.43 0.00 | 64.07 3.65 0.00 | 106.20 5.61 0.00 | 70.88 3.64 0.00 | 45.22 2.28 0.00 | 41.66 1.90 0.00 | 40.76 1.51 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 77.05 5.21 0.00 | 40.20 2.61 0.00 | 38.96 2.57 0.00 | 38.65 2.69 0.00 | 41.95 3.01 0.00 | 44.22 3.50 0.00 | 57.49 5.05 0.00 | 68.16 5.75 0.00 | 39.96 2.79 0.00 | 39.94 1.98 0.00 | 50.93 3.18 0.00 | 41.31 2.54 0.00 | 42.18 2.23 0.00 | 50.90 2.60 0.00 | 52.57 2.64 0.00 | 60.52 3.41 0.00 | 93.67 4.44 0.00 | 67.93 2.99 0.00 | 62.29 1.87 0.00 | 104.41 3.82 0.00 | 69.47 2.23 0.00 | 43.86 0.92 0.00 | 40.17 0.41 0.00 | 39.41 0.15 0.00 |
| N SALMON___HYD 24042 | 74.35 2.51 0.00 | 38.87 1.28 0.00 | 37.65 1.26 0.00 | 37.19 1.22 0.00 | 40.34 1.40 0.00 | 42.02 1.31 0.00 | 54.20 1.76 0.00 | 64.22 1.81 0.00 | 38.02 0.85 0.00 | 38.68 0.72 0.00 | 48.22 0.47 0.00 | 38.92 0.15 0.00 | 40.28 0.33 0.00 | 48.66 0.36 0.00 | 50.40 0.46 0.00 | 57.79 0.68 0.00 | 89.68 0.45 0.00 | 65.13 0.18 0.00 | 60.69 0.27 0.00 | 101.97 1.38 0.00 | 68.22 0.98 0.00 | 43.25 0.31 0.00 | 43.00 -0.23 0.00 | 45.85 -0.28 -6.88 |
| N.AKRON__115KV_KNAPP 355671 | 71.77 -0.07 0.00 | 36.93 -0.66 0.00 | 35.80 -0.60 0.00 | 35.26 -0.71 0.00 | 38.28 -0.65 0.00 | 39.97 -0.75 0.00 | 51.41 -1.03 0.00 | 59.60 -2.81 0.00 | 35.71 -1.46 0.00 | 37.60 -0.36 0.00 | 48.17 0.43 0.00 | 38.85 0.08 0.00 | 40.47 0.52 0.00 | 49.50 1.21 0.00 | 51.46 1.52 0.00 | 58.29 1.19 0.00 | 89.93 0.69 0.00 | 64.17 -0.77 0.00 | 59.82 -0.59 0.00 | 99.53 -1.05 0.00 | 66.75 -0.49 0.00 | 42.65 -0.29 0.00 | 39.23 -0.53 0.00 | 38.79 -0.47 0.00 |
| N.BELMOR_69_KV_BK1 55787 | 86.56 2.12 -12.60 | 54.96 1.42 -15.95 | 37.68 1.29 0.00 | 37.27 1.30 0.00 | 40.36 1.42 0.00 | 60.90 1.62 -18.56 | 108.89 2.54 -53.91 | 108.70 3.59 -42.70 | 46.62 2.17 -7.28 | 43.12 1.85 -3.30 | 49.79 2.03 -0.01 | 40.47 1.70 0.00 | 41.42 1.46 0.00 | 49.89 1.60 0.00 | 52.04 2.10 -0.01 | 76.46 2.80 -16.55 | 114.04 3.79 -21.01 | 116.43 3.69 -47.79 | 111.30 3.97 -46.91 | 163.96 6.25 -57.12 | 103.57 4.20 -32.12 | 121.57 2.66 -75.98 | 75.31 2.22 -33.33 | 71.99 1.88 -30.85 |
| N.E_GEN_SANDY PD 24062 | 71.36 -0.09 0.40 | 38.19 0.31 -0.29 | 36.77 0.38 0.00 | 36.40 0.43 0.00 | 39.28 0.34 0.00 | 41.25 0.53 0.00 | 53.57 1.13 0.00 | 62.75 1.86 1.52 | 38.37 1.09 -0.10 | 38.67 0.75 0.05 | 48.44 0.70 0.00 | 39.36 0.59 0.00 | 40.49 0.54 0.00 | 48.75 0.46 0.00 | 50.45 0.51 0.00 | 58.03 0.92 0.00 | 77.55 1.84 13.52 | 68.72 2.13 -1.65 | 63.44 2.38 -0.64 | 104.14 3.56 0.00 | 69.53 2.28 0.00 | 44.31 1.37 0.00 | 47.93 1.30 -6.87 | 40.23 1.09 0.11 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 72.80 0.96 0.00 | 38.22 0.63 0.00 | 36.95 0.56 0.00 | 36.61 0.65 0.00 | 39.59 0.65 0.00 | 41.68 0.96 0.00 | 54.24 1.80 0.00 | 65.12 2.71 0.00 | 38.70 1.53 0.00 | 39.09 1.12 0.00 | 48.95 1.21 0.00 | 39.91 1.14 0.00 | 41.04 1.09 0.00 | 49.47 1.17 0.00 | 51.34 1.41 0.00 | 59.13 2.02 0.00 | 92.37 3.14 0.00 | 67.68 2.74 0.00 | 63.34 2.92 0.00 | 105.06 4.48 0.00 | 70.20 2.95 0.00 | 44.75 1.82 0.00 | 41.26 1.50 0.00 | 40.38 1.13 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 73.20 1.36 0.00 | 38.60 1.01 0.00 | 37.36 0.96 0.00 | 36.96 0.99 0.00 | 39.86 0.92 0.00 | 41.97 1.25 0.00 | 54.70 2.26 0.00 | 65.87 3.46 0.00 | 39.34 2.11 -0.05 | 39.63 1.67 0.00 | 49.61 1.87 0.00 | 40.51 1.74 0.00 | 41.57 1.62 0.00 | 50.07 1.78 0.00 | 51.93 1.99 0.00 | 59.66 2.55 0.00 | 93.41 4.18 -0.01 | 68.47 3.53 0.00 | 64.13 3.71 0.00 | 106.58 5.89 -0.10 | 71.04 3.80 0.00 | 45.38 2.44 0.00 | 41.74 1.98 0.00 | 40.83 1.57 0.00 |
| N.TROY___115KV_TB1 355778 | 72.04 0.20 0.00 | 38.03 0.44 0.00 | 36.87 0.47 0.00 | 36.49 0.52 0.00 | 39.40 0.46 0.00 | 41.33 0.61 0.00 | 53.65 1.20 0.00 | 64.27 1.86 0.00 | 38.20 1.03 0.00 | 38.65 0.69 0.00 | 48.40 0.66 0.00 | 39.28 0.51 0.00 | 40.38 0.43 0.00 | 48.72 0.43 0.00 | 50.43 0.50 0.00 | 57.95 0.84 0.00 | 91.19 1.96 0.00 | 67.12 2.18 0.00 | 62.78 2.36 0.00 | 104.12 3.53 0.00 | 69.49 2.24 0.00 | 44.31 1.37 0.00 | 41.08 1.32 0.00 | 40.43 1.18 0.00 |
| NARROWS_GT1_1 24228 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT1_2 24229 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT1_3 24230 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT1_4 24231 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |

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|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|
| NARROWS_GT1_5 24232 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT1_6 24233 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT1_7 24234 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT1_8 24235 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT2_1 24236 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT2_2 24237 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT2_3 24238 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT2_4 24239 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT2_5 24240 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT2_6 24241 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT2_7 24242 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NARROWS_GT2_8 24243 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 72.87 1.03 0.00 | 38.45 0.86 0.00 | 37.29 0.89 0.00 | 36.90 0.93 0.00 | 39.86 0.92 0.00 | 41.84 1.13 0.00 | 54.33 1.89 0.00 | 65.05 2.64 0.00 | 38.48 1.30 0.00 | 38.65 0.69 0.00 | 48.30 0.56 0.00 | 39.16 0.39 0.00 | 40.27 0.32 0.00 | 48.53 0.24 0.00 | 50.19 0.25 0.00 | 57.68 0.58 0.00 | 91.97 2.74 0.00 | 67.68 2.74 0.00 | 63.34 2.92 0.00 | 105.28 4.70 0.00 | 70.21 2.97 0.00 | 44.73 1.79 0.00 | 41.39 1.63 0.00 | 40.68 1.43 0.00 |
| NCHELSEA_115KV_TR2 355582 | 73.67 1.83 0.00 | 38.72 1.13 0.00 | 37.46 1.07 0.00 | 37.10 1.13 0.00 | 40.11 1.17 0.00 | 42.20 1.48 0.00 | 54.95 2.51 0.00 | 65.95 3.54 0.00 | 39.20 2.03 0.00 | 39.56 1.60 0.00 | 49.53 1.79 0.00 | 40.27 1.50 0.00 | 41.32 1.37 0.00 | 49.80 1.51 0.00 | 51.71 1.77 0.00 | 59.64 2.53 0.00 | 93.35 4.12 0.00 | 68.31 3.37 0.00 | 64.04 3.62 0.00 | 106.30 5.71 0.00 | 70.99 3.74 0.00 | 45.22 2.28 0.00 | 41.66 1.90 0.00 | 40.80 1.55 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 73.90 2.06 0.00 | 38.94 1.34 0.00 | 37.73 1.33 0.00 | 37.34 1.37 0.00 | 40.34 1.40 0.00 | 42.37 1.65 0.00 | 55.08 2.64 0.00 | 65.95 3.54 0.00 | 39.09 1.92 0.00 | 39.51 1.54 0.00 | 49.53 1.79 0.00 | 40.13 1.36 0.00 | 41.21 1.26 0.00 | 49.86 1.57 0.00 | 51.68 1.74 0.00 | 59.36 2.26 0.00 | 93.55 4.32 0.00 | 68.87 3.93 0.00 | 64.56 4.15 0.00 | 107.04 6.46 0.00 | 71.41 4.17 0.00 | 45.46 2.52 0.00 | 42.04 2.28 0.00 | 41.38 2.13 0.00 |

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| NEG CENTRAL_HIGH_ACRES 23767 | 70.42 -1.42 0.00 | 36.54 -1.06 0.00 | 35.39 -1.01 0.00 | 34.92 -1.05 0.00 | 37.88 -1.05 0.00 | 39.58 -1.14 0.00 | 51.07 -1.37 0.00 | 60.06 -2.35 0.00 | 35.88 -1.29 0.00 | 37.22 -0.75 0.00 | 47.30 -0.44 0.00 | 38.25 -0.52 0.00 | 39.69 -0.26 0.00 | 48.26 -0.03 0.00 | 50.04 0.10 0.00 | 56.96 -0.15 0.00 | 88.46 -0.77 0.00 | 63.79 -1.15 0.00 | 59.45 -0.97 0.00 | 98.94 -1.65 0.00 | 66.23 -1.02 0.00 | 42.23 -0.71 0.00 | 38.86 -0.90 0.00 | 38.39 -0.86 0.00 |
| NEG CENTRAL___DRP 24199 | 72.01 0.17 0.00 | 37.51 -0.08 0.00 | 36.30 -0.10 0.00 | 35.84 -0.13 0.00 | 38.90 -0.04 0.00 | 40.66 -0.06 0.00 | 52.59 0.14 0.00 | 62.15 -0.26 0.00 | 37.00 -0.17 0.00 | 38.03 0.06 0.00 | 48.21 0.46 0.00 | 38.98 0.21 0.00 | 40.34 0.39 0.00 | 48.95 0.66 0.00 | 50.64 0.71 0.00 | 57.69 0.58 0.00 | 89.56 0.32 0.00 | 65.03 0.09 0.00 | 60.77 0.35 0.00 | 100.67 0.08 0.00 | 67.41 0.16 0.00 | 42.97 0.04 0.00 | 39.58 -0.18 0.00 | 39.17 -0.08 0.00 |
| NEG CENTRAL___INDECK 23768 | 76.40 4.56 0.00 | 39.45 1.86 0.00 | 38.21 1.82 0.00 | 37.71 1.74 0.00 | 40.98 2.04 0.00 | 43.02 2.31 0.00 | 56.06 3.61 0.00 | 65.89 3.48 0.00 | 39.02 1.85 0.00 | 40.56 2.60 0.00 | 51.15 3.41 0.00 | 40.77 2.00 0.00 | 42.70 2.75 0.00 | 52.43 4.14 0.00 | 55.06 5.12 0.00 | 62.65 5.54 0.00 | 97.08 7.85 0.00 | 69.58 4.64 0.00 | 65.26 4.84 0.00 | 108.80 8.21 0.00 | 72.85 5.61 0.00 | 46.21 3.27 0.00 | 42.29 2.53 0.00 | 41.52 2.26 0.00 |
| NEG CENTRAL___SENECA 23627 | 72.17 0.33 0.00 | 37.56 -0.03 0.00 | 36.33 -0.06 0.00 | 35.87 -0.09 0.00 | 38.95 0.02 0.00 | 40.73 0.01 0.00 | 52.70 0.26 0.00 | 62.12 -0.29 0.00 | 36.99 -0.19 0.00 | 38.10 0.14 0.00 | 48.39 0.65 0.00 | 39.05 0.28 0.00 | 40.47 0.52 0.00 | 49.16 0.87 0.00 | 50.84 0.90 0.00 | 57.90 0.79 0.00 | 89.59 0.36 0.00 | 65.03 0.09 0.00 | 60.91 0.49 0.00 | 100.62 0.04 0.00 | 67.46 0.21 0.00 | 43.01 0.07 0.00 | 39.52 -0.24 0.00 | 39.11 -0.14 0.00 |
| NEG CENTRAL___STATE_STREET 24147 | 72.18 0.34 0.00 | 37.65 0.05 0.00 | 36.46 0.07 0.00 | 36.02 0.05 0.00 | 39.06 0.12 0.00 | 40.84 0.12 0.00 | 52.78 0.34 0.00 | 62.56 0.15 0.00 | 37.23 0.05 0.00 | 38.20 0.24 0.00 | 48.31 0.57 0.00 | 39.15 0.38 0.00 | 40.44 0.49 0.00 | 48.99 0.70 0.00 | 50.69 0.76 0.00 | 57.73 0.62 0.00 | 90.13 0.89 0.00 | 65.55 0.61 0.00 | 60.98 0.56 0.00 | 101.35 0.76 0.00 | 67.75 0.51 0.00 | 43.15 0.22 0.00 | 39.84 0.08 0.00 | 39.53 0.27 0.00 |
| NEG MILLWOOD___DRP 24198 | 73.71 1.87 0.00 | 38.73 1.14 0.00 | 37.49 1.09 0.00 | 37.12 1.15 0.00 | 40.12 1.19 0.00 | 42.23 1.51 0.00 | 55.02 2.58 0.00 | 66.05 3.64 0.00 | 39.30 2.13 0.00 | 39.67 1.70 0.00 | 49.67 1.92 0.00 | 40.42 1.65 0.00 | 41.48 1.53 0.00 | 49.98 1.68 0.00 | 51.83 1.89 0.00 | 59.72 2.61 0.00 | 93.50 4.27 0.00 | 68.60 3.66 0.00 | 64.34 3.92 0.00 | 106.73 6.15 0.00 | 71.27 4.02 0.00 | 45.42 2.48 0.00 | 41.82 2.06 0.00 | 40.92 1.66 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 73.87 2.03 0.00 | 38.74 1.15 0.00 | 37.56 1.16 0.00 | 37.08 1.12 0.00 | 40.18 1.24 0.00 | 41.80 1.09 0.00 | 53.84 1.39 0.00 | 63.50 1.09 0.00 | 37.73 0.56 0.00 | 38.56 0.60 0.00 | 48.00 0.25 0.00 | 38.76 -0.01 0.00 | 40.04 0.09 0.00 | 48.37 0.07 0.00 | 50.08 0.15 0.00 | 57.49 0.38 0.00 | 88.79 -0.44 0.00 | 64.49 -0.45 0.00 | 60.46 0.05 0.00 | 101.28 0.69 0.00 | 67.69 0.45 0.00 | 42.95 0.01 0.00 | 34.38 -0.48 4.91 | 29.05 -0.47 9.74 |
| NEG NORTH_KES_CHATEGAY 23792 | 73.62 1.78 0.00 | 38.56 0.97 0.00 | 37.39 0.99 0.00 | 36.91 0.95 0.00 | 40.02 1.09 0.00 | 41.65 0.93 0.00 | 53.58 1.14 0.00 | 63.40 1.00 0.00 | 37.59 0.42 0.00 | 38.37 0.41 0.00 | 47.82 0.07 0.00 | 38.67 -0.09 0.00 | 39.98 0.03 0.00 | 48.25 -0.04 0.00 | 49.97 0.04 0.00 | 57.23 0.12 0.00 | 88.51 -0.72 0.00 | 64.26 -0.68 0.00 | 59.98 -0.44 0.00 | 100.64 0.05 0.00 | 67.29 0.05 0.00 | 42.65 -0.29 0.00 | 33.65 -0.77 5.34 | 27.82 -0.83 10.60 |
| NEG NORTH___ALICE_FALLS 23915 | 74.44 2.60 0.00 | 39.02 1.43 0.00 | 37.82 1.42 0.00 | 37.35 1.38 0.00 | 40.47 1.54 0.00 | 42.14 1.42 0.00 | 54.37 1.92 0.00 | 64.32 1.91 0.00 | 38.03 0.86 0.00 | 38.77 0.80 0.00 | 48.26 0.52 0.00 | 38.93 0.16 0.00 | 40.22 0.27 0.00 | 48.58 0.29 0.00 | 50.31 0.38 0.00 | 57.83 0.72 0.00 | 89.39 0.15 0.00 | 65.01 0.07 0.00 | 61.05 0.63 0.00 | 102.31 1.72 0.00 | 68.39 1.14 0.00 | 43.37 0.44 0.00 | 34.72 -0.13 4.91 | 29.31 -0.21 9.74 |
| NEG NORTH___LWR_SARANAC 23913 | 74.44 2.60 0.00 | 39.02 1.43 0.00 | 37.82 1.42 0.00 | 37.35 1.38 0.00 | 40.47 1.54 0.00 | 42.14 1.42 0.00 | 54.37 1.92 0.00 | 64.32 1.91 0.00 | 38.03 0.86 0.00 | 38.77 0.80 0.00 | 48.26 0.52 0.00 | 38.93 0.16 0.00 | 40.22 0.27 0.00 | 48.58 0.29 0.00 | 50.31 0.38 0.00 | 57.83 0.72 0.00 | 89.39 0.15 0.00 | 65.01 0.07 0.00 | 61.05 0.63 0.00 | 102.31 1.72 0.00 | 68.39 1.14 0.00 | 43.37 0.44 0.00 | 34.72 -0.13 4.91 | 29.31 -0.21 9.74 |
| NEG NORTH___PLATTSBURG 23628 | 74.44 2.60 0.00 | 39.02 1.43 0.00 | 37.82 1.42 0.00 | 37.35 1.38 0.00 | 40.47 1.54 0.00 | 42.13 1.42 0.00 | 54.37 1.92 0.00 | 64.32 1.91 0.00 | 38.03 0.86 0.00 | 38.77 0.81 0.00 | 48.26 0.52 0.00 | 38.93 0.16 0.00 | 40.22 0.27 0.00 | 48.58 0.29 0.00 | 50.31 0.38 0.00 | 57.83 0.72 0.00 | 89.39 0.16 0.00 | 65.01 0.07 0.00 | 61.05 0.63 0.00 | 102.31 1.72 0.00 | 68.39 1.14 0.00 | 43.38 0.44 0.00 | 34.72 -0.13 4.91 | 29.31 -0.21 9.74 |
| NEG WEST_LEA_LOCKPORT 23791 | 70.35 -1.49 0.00 | 36.17 -1.42 0.00 | 35.06 -1.34 0.00 | 34.50 -1.47 0.00 | 37.45 -1.49 0.00 | 39.01 -1.71 0.00 | 49.99 -2.45 0.00 | 57.74 -4.67 0.00 | 34.62 -2.56 0.00 | 36.58 -1.38 0.00 | 46.99 -0.76 0.00 | 37.88 -0.89 0.00 | 39.44 -0.51 0.00 | 48.23 -0.07 0.00 | 50.10 0.16 0.00 | 56.71 -0.39 0.00 | 87.42 -1.81 0.00 | 62.27 -2.67 0.00 | 58.02 -2.40 0.00 | 96.60 -3.99 0.00 | 64.87 -2.37 0.00 | 41.51 -1.42 0.00 | 38.22 -1.54 0.00 | 37.87 -1.38 0.00 |
| NEG WEST___LANCASTR 23811 | 71.18 -0.66 0.00 | 36.61 -0.98 0.00 | 35.47 -0.92 0.00 | 34.99 -0.98 0.00 | 37.92 -1.02 0.00 | 39.49 -1.23 0.00 | 50.81 -1.63 0.00 | 59.10 -3.31 0.00 | 35.43 -1.74 0.00 | 37.24 -0.72 0.00 | 47.79 0.05 0.00 | 38.59 -0.18 0.00 | 40.19 0.24 0.00 | 48.97 0.68 0.00 | 50.75 0.81 0.00 | 57.61 0.50 0.00 | 88.93 -0.30 0.00 | 63.48 -1.46 0.00 | 59.35 -1.07 0.00 | 98.58 -2.01 0.00 | 66.09 -1.15 0.00 | 42.23 -0.71 0.00 | 38.67 -1.09 0.00 | 38.36 -0.90 0.00 |
| NEG_PENN_ALLEGHNY 23528 | 71.96 0.13 0.00 | 37.45 -0.14 0.00 | 36.24 -0.15 0.00 | 35.85 -0.11 0.00 | 38.83 -0.10 0.00 | 40.63 -0.09 0.00 | 52.61 0.17 0.00 | 62.47 0.06 0.00 | 37.21 0.04 0.00 | 38.22 0.26 0.00 | 48.55 0.81 0.00 | 39.35 0.58 0.00 | 40.54 0.59 0.00 | 49.05 0.76 0.00 | 50.81 0.87 0.00 | 57.83 0.72 0.00 | 89.74 0.51 0.00 | 65.09 0.14 0.00 | 60.91 0.50 0.00 | 101.10 0.51 0.00 | 67.59 0.34 0.00 | 43.06 0.12 0.00 | 39.65 -0.11 0.00 | 39.14 -0.12 0.00 |
| NEG___GEN_MONROE 24207 | 72.04 0.20 0.00 | 37.28 -0.30 0.00 | 36.09 -0.31 0.00 | 35.58 -0.39 0.00 | 38.64 -0.30 0.00 | 40.37 -0.35 0.00 | 52.06 -0.39 0.00 | 60.91 -1.50 0.00 | 36.41 -0.76 0.00 | 37.96 0.00 0.00 | 48.40 0.66 0.00 | 39.08 0.31 0.00 | 40.63 0.68 0.00 | 49.52 1.23 0.00 | 51.36 1.43 0.00 | 58.48 1.38 0.00 | 90.60 1.37 0.00 | 65.12 0.17 0.00 | 60.69 0.27 0.00 | 100.96 0.38 0.00 | 67.65 0.40 0.00 | 43.14 0.21 0.00 | 39.67 -0.09 0.00 | 39.18 -0.07 0.00 |

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| NEPA___ENERGY 23901 | 71.63 -0.21 0.00 | 36.68 -0.91 0.00 | 35.42 -0.98 0.00 | 35.05 -0.92 0.00 | 37.95 -0.99 0.00 | 39.62 -1.10 0.00 | 51.25 -1.19 0.00 | 59.76 -2.65 0.00 | 35.62 -1.55 0.00 | 37.13 -0.83 0.00 | 47.71 -0.03 0.00 | 38.77 0.00 0.00 | 40.47 0.52 0.00 | 49.32 1.03 0.00 | 50.53 0.60 0.00 | 57.41 0.30 0.00 | 88.45 -0.78 0.00 | 63.27 -1.67 0.00 | 59.48 -0.93 0.00 | 98.36 -2.23 0.00 | 65.92 -1.33 0.00 | 41.95 -0.99 0.00 | 38.30 -1.46 0.00 | 37.99 -1.27 0.00 |
| NEVERSink___HYD 23608 | 73.77 1.93 0.00 | 38.92 1.33 0.00 | 37.67 1.28 0.00 | 37.34 1.37 0.00 | 40.41 1.47 0.00 | 42.51 1.79 0.00 | 55.29 2.84 0.00 | 66.19 3.78 0.00 | 39.27 2.10 0.00 | 39.68 1.71 0.00 | 49.71 1.97 0.00 | 40.35 1.59 0.00 | 41.35 1.40 0.00 | 49.82 1.52 0.00 | 52.34 2.41 0.00 | 60.87 3.76 0.00 | 95.22 5.99 0.00 | 69.81 4.87 0.00 | 65.45 5.03 0.00 | 108.38 7.79 0.00 | 72.01 4.76 0.00 | 45.84 2.91 0.00 | 42.21 2.45 0.00 | 41.36 2.11 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 71.01 -0.83 0.00 | 37.55 -0.04 0.00 | 36.39 -0.01 0.00 | 36.01 0.05 0.00 | 38.85 -0.08 0.00 | 40.72 0.00 0.00 | 52.79 0.35 0.00 | 63.26 0.85 0.00 | 37.61 0.44 0.00 | 38.17 0.21 0.00 | 47.79 0.04 0.00 | 38.86 0.09 0.00 | 39.94 -0.01 0.00 | 48.19 -0.10 0.00 | 49.77 -0.17 0.00 | 57.17 0.06 0.00 | 90.11 0.88 0.00 | 66.15 1.21 0.00 | 61.75 1.32 0.00 | 102.36 1.77 0.00 | 68.32 1.07 0.00 | 43.59 0.65 0.00 | 40.42 0.67 0.00 | 39.76 0.51 0.00 |
| NEWTON___FALLS_HYD 23847 | 72.01 0.16 0.00 | 37.52 -0.07 0.00 | 36.30 -0.10 0.00 | 35.87 -0.10 0.00 | 38.95 0.01 0.00 | 40.78 0.06 0.00 | 52.83 0.39 0.00 | 62.65 0.24 0.00 | 36.93 -0.24 0.00 | 37.29 -0.67 0.00 | 46.44 -1.31 0.00 | 37.71 -1.06 0.00 | 38.86 -1.09 0.00 | 47.22 -1.08 0.00 | 48.70 -1.24 0.00 | 55.86 -1.25 0.00 | 87.29 -1.94 0.00 | 63.37 -1.58 0.00 | 58.82 -1.60 0.00 | 99.42 -1.16 0.00 | 66.67 -0.57 0.00 | 41.87 -1.06 0.00 | 39.14 -1.17 -0.55 | 39.01 -1.34 -1.09 |
| NGRID_A1_DSASP 323792 | 69.66 -2.18 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.63 -2.09 0.00 | 49.31 -3.13 0.00 | 56.73 -5.68 0.00 | 34.09 -3.08 0.00 | 36.10 -1.86 0.00 | 46.44 -1.30 0.00 | 37.44 -1.33 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.38 -0.56 0.00 | 56.04 -1.07 0.00 | 86.59 -2.64 0.00 | 61.66 -3.28 0.00 | 57.41 -3.01 0.00 | 95.54 -5.04 0.00 | 64.20 -3.05 0.00 | 41.16 -1.77 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| NGRID_A2_DSASP 323793 | 69.66 -2.18 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.63 -2.09 0.00 | 49.31 -3.13 0.00 | 56.73 -5.68 0.00 | 34.09 -3.08 0.00 | 36.10 -1.86 0.00 | 46.44 -1.30 0.00 | 37.44 -1.33 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.38 -0.56 0.00 | 56.04 -1.07 0.00 | 86.59 -2.64 0.00 | 61.66 -3.28 0.00 | 57.41 -3.01 0.00 | 95.54 -5.04 0.00 | 64.20 -3.05 0.00 | 41.16 -1.77 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| NGRID_A4_DSASP 323807 | 69.66 -2.18 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.63 -2.09 0.00 | 49.31 -3.13 0.00 | 56.73 -5.68 0.00 | 34.09 -3.08 0.00 | 36.10 -1.86 0.00 | 46.44 -1.30 0.00 | 37.44 -1.33 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.38 -0.56 0.00 | 56.04 -1.07 0.00 | 86.59 -2.64 0.00 | 61.66 -3.28 0.00 | 57.41 -3.01 0.00 | 95.54 -5.04 0.00 | 64.20 -3.05 0.00 | 41.16 -1.77 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| NIAGARA_115E_LBMP 323715 | 69.50 -2.34 0.00 | 35.73 -1.86 0.00 | 34.66 -1.73 0.00 | 34.11 -1.86 0.00 | 37.01 -1.92 0.00 | 38.57 -2.14 0.00 | 49.35 -3.09 0.00 | 56.92 -5.49 0.00 | 34.20 -2.97 0.00 | 36.19 -1.78 0.00 | 46.50 -1.24 0.00 | 37.50 -1.27 0.00 | 38.96 -0.99 0.00 | 47.67 -0.62 0.00 | 49.56 -0.38 0.00 | 56.16 -0.95 0.00 | 86.50 -2.73 0.00 | 61.46 -3.48 0.00 | 57.13 -3.29 0.00 | 95.12 -5.47 0.00 | 63.93 -3.32 0.00 | 41.00 -1.93 0.00 | 37.90 -1.86 0.00 | 37.56 -1.70 0.00 |
| NIAGARA_115W_LBMP 323714 | 69.51 -2.33 0.00 | 35.74 -1.85 0.00 | 34.69 -1.71 0.00 | 34.14 -1.83 0.00 | 37.04 -1.89 0.00 | 38.54 -2.18 0.00 | 49.18 -3.26 0.00 | 56.56 -5.85 0.00 | 33.99 -3.19 0.00 | 35.99 -1.97 0.00 | 46.29 -1.45 0.00 | 37.32 -1.45 0.00 | 38.80 -1.16 0.00 | 47.43 -0.87 0.00 | 49.23 -0.70 0.00 | 55.86 -1.25 0.00 | 86.32 -2.91 0.00 | 61.46 -3.48 0.00 | 57.23 -3.19 0.00 | 95.23 -5.35 0.00 | 63.99 -3.26 0.00 | 41.03 -1.90 0.00 | 37.74 -2.03 0.00 | 37.40 -1.86 0.00 |
| NIAGARA_230_LBMP 323716 | 69.74 -2.10 0.00 | 35.87 -1.72 0.00 | 34.80 -1.60 0.00 | 34.26 -1.71 0.00 | 37.16 -1.78 0.00 | 38.67 -2.05 0.00 | 49.51 -2.93 0.00 | 57.21 -5.20 0.00 | 34.36 -2.82 0.00 | 36.33 -1.63 0.00 | 46.70 -1.05 0.00 | 37.68 -1.09 0.00 | 39.18 -0.77 0.00 | 47.84 -0.45 0.00 | 49.68 -0.26 0.00 | 56.36 -0.75 0.00 | 87.08 -2.15 0.00 | 62.04 -2.91 0.00 | 57.78 -2.64 0.00 | 96.17 -4.41 0.00 | 64.61 -2.64 0.00 | 41.40 -1.54 0.00 | 38.04 -1.72 0.00 | 37.70 -1.55 0.00 |
| NIAGARA___115KV_198_GIBSON 55903 | 69.53 -2.31 0.00 | 35.74 -1.85 0.00 | 34.69 -1.71 0.00 | 34.14 -1.83 0.00 | 37.04 -1.90 0.00 | 38.54 -2.18 0.00 | 49.18 -3.26 0.00 | 56.56 -5.85 0.00 | 33.98 -3.19 0.00 | 35.99 -1.98 0.00 | 46.29 -1.45 0.00 | 37.32 -1.45 0.00 | 38.80 -1.16 0.00 | 47.43 -0.87 0.00 | 49.23 -0.71 0.00 | 55.86 -1.24 0.00 | 86.34 -2.90 0.00 | 61.46 -3.48 0.00 | 57.24 -3.18 0.00 | 95.25 -5.34 0.00 | 63.99 -3.26 0.00 | 41.03 -1.90 0.00 | 37.74 -2.02 0.00 | 37.40 -1.86 0.00 |
| NIAGARA___ 23760 | 69.74 -2.10 0.00 | 35.87 -1.72 0.00 | 34.80 -1.60 0.00 | 34.26 -1.71 0.00 | 37.16 -1.78 0.00 | 38.67 -2.05 0.00 | 49.51 -2.93 0.00 | 57.21 -5.20 0.00 | 34.36 -2.82 0.00 | 36.33 -1.63 0.00 | 46.70 -1.05 0.00 | 37.68 -1.09 0.00 | 39.18 -0.77 0.00 | 47.84 -0.45 0.00 | 49.68 -0.26 0.00 | 56.36 -0.75 0.00 | 87.08 -2.15 0.00 | 62.04 -2.91 0.00 | 57.78 -2.64 0.00 | 96.17 -4.41 0.00 | 64.61 -2.64 0.00 | 41.40 -1.54 0.00 | 38.04 -1.72 0.00 | 37.70 -1.55 0.00 |
| NINE_MILE_1 23575 | 70.08 -1.76 0.00 | 36.64 -0.95 0.00 | 35.49 -0.91 0.00 | 35.07 -0.90 0.00 | 37.97 -0.97 0.00 | 39.65 -1.06 0.00 | 50.99 -1.45 0.00 | 60.57 -1.83 0.00 | 36.10 -1.07 0.00 | 36.92 -1.05 0.00 | 46.51 -1.23 0.00 | 37.77 -1.00 0.00 | 38.94 -1.01 0.00 | 47.12 -1.17 0.00 | 48.70 -1.24 0.00 | 55.55 -1.56 0.00 | 86.71 -2.52 0.00 | 63.06 -1.88 0.00 | 58.78 -1.64 0.00 | 97.75 -2.84 0.00 | 65.39 -1.86 0.00 | 41.76 -1.18 0.00 | 38.76 -1.00 0.00 | 38.37 -0.89 0.00 |
| NINE_MILE_2 23744 | 70.08 -1.76 0.00 | 36.64 -0.95 0.00 | 35.49 -0.91 0.00 | 35.07 -0.90 0.00 | 37.97 -0.97 0.00 | 39.65 -1.06 0.00 | 50.99 -1.45 0.00 | 60.57 -1.83 0.00 | 36.10 -1.07 0.00 | 36.92 -1.05 0.00 | 46.51 -1.23 0.00 | 37.77 -1.00 0.00 | 38.94 -1.01 0.00 | 47.12 -1.17 0.00 | 48.70 -1.24 0.00 | 55.55 -1.56 0.00 | 86.71 -2.52 0.00 | 63.06 -1.88 0.00 | 58.78 -1.64 0.00 | 97.75 -2.84 0.00 | 65.39 -1.86 0.00 | 41.76 -1.18 0.00 | 38.76 -1.00 0.00 | 38.37 -0.89 0.00 |
| NM_CAPITAL___DRP 24208 | 71.06 -0.78 0.00 | 37.58 -0.01 0.00 | 36.42 0.03 0.00 | 36.05 0.08 0.00 | 38.89 -0.05 0.00 | 40.76 0.05 0.00 | 52.84 0.40 0.00 | 63.36 0.95 0.00 | 37.67 0.50 0.00 | 38.21 0.25 0.00 | 47.82 0.08 0.00 | 38.89 0.12 0.00 | 39.99 0.03 0.00 | 48.21 -0.08 0.00 | 49.82 -0.11 0.00 | 57.23 0.12 0.00 | 90.24 1.01 0.00 | 66.29 1.34 0.00 | 61.82 1.40 0.00 | 102.47 1.89 0.00 | 68.39 1.14 0.00 | 43.63 0.69 0.00 | 40.50 0.74 0.00 | 39.82 0.57 0.00 |

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| NM_CENTRAL___DRP 24181 | 71.44 -0.40 0.00 | 37.31 -0.29 0.00 | 36.10 -0.29 0.00 | 35.69 -0.28 0.00 | 38.65 -0.28 0.00 | 40.42 -0.30 0.00 | 52.14 -0.30 0.00 | 61.93 -0.48 0.00 | 36.88 -0.29 0.00 | 37.74 -0.23 0.00 | 47.62 -0.13 0.00 | 38.64 -0.13 0.00 | 39.87 -0.08 0.00 | 48.32 0.03 0.00 | 49.95 0.01 0.00 | 57.03 -0.08 0.00 | 88.91 -0.32 0.00 | 64.63 -0.32 0.00 | 60.29 -0.13 0.00 | 100.28 -0.31 0.00 | 67.06 -0.19 0.00 | 42.76 -0.17 0.00 | 39.57 -0.19 0.00 | 39.11 -0.14 0.00 |
| NM_FRONTIER___DRP 24179 | 69.53 -2.31 0.00 | 35.74 -1.85 0.00 | 34.69 -1.71 0.00 | 34.14 -1.83 0.00 | 37.04 -1.90 0.00 | 38.54 -2.18 0.00 | 49.18 -3.26 0.00 | 56.56 -5.85 0.00 | 33.98 -3.19 0.00 | 35.99 -1.98 0.00 | 46.29 -1.45 0.00 | 37.32 -1.45 0.00 | 38.80 -1.16 0.00 | 47.43 -0.87 0.00 | 49.23 -0.71 0.00 | 55.86 -1.24 0.00 | 86.34 -2.90 0.00 | 61.46 -3.48 0.00 | 57.24 -3.18 0.00 | 95.25 -5.34 0.00 | 63.99 -3.26 0.00 | 41.03 -1.90 0.00 | 37.74 -2.02 0.00 | 37.40 -1.86 0.00 |
| NM_ST_REGIS___HYD 24053 | 73.30 1.46 0.00 | 38.26 0.67 0.00 | 37.04 0.64 0.00 | 36.56 0.60 0.00 | 39.64 0.70 0.00 | 41.36 0.64 0.00 | 53.33 0.89 0.00 | 63.17 0.76 0.00 | 37.36 0.19 0.00 | 38.03 0.06 0.00 | 47.47 -0.28 0.00 | 38.43 -0.34 0.00 | 39.78 -0.17 0.00 | 48.05 -0.24 0.00 | 49.72 -0.22 0.00 | 56.98 -0.12 0.00 | 88.88 -0.36 0.00 | 64.46 -0.48 0.00 | 59.81 -0.60 0.00 | 100.54 -0.05 0.00 | 67.28 0.04 0.00 | 42.72 -0.22 0.00 | 40.66 -0.46 -1.36 | 41.46 -0.49 -2.69 |
| NORTHPORT___1 23551 | 81.08 1.64 -7.60 | 49.96 1.22 -11.16 | 37.44 1.05 0.00 | 37.02 1.05 0.00 | 40.11 1.17 0.00 | 50.06 1.31 -8.04 | 85.09 2.07 -30.57 | 95.04 2.83 -29.80 | 39.93 1.68 -1.07 | 41.68 1.41 -2.31 | 49.48 1.73 0.00 | 40.20 1.43 0.00 | 41.05 1.10 0.00 | 49.39 1.10 0.00 | 51.52 1.58 0.00 | 70.86 2.18 -11.58 | 106.60 2.65 -14.72 | 101.23 2.96 -33.33 | 95.59 3.04 -32.13 | 144.40 4.96 -38.85 | 84.12 3.35 -13.52 | 71.84 2.08 -26.82 | 46.03 1.73 -4.54 | 47.31 1.45 -6.60 |
| NORTHPORT___2 23552 | 81.08 1.64 -7.60 | 49.96 1.22 -11.16 | 37.44 1.05 0.00 | 37.02 1.05 0.00 | 40.11 1.17 0.00 | 50.06 1.31 -8.04 | 85.09 2.07 -30.57 | 95.04 2.83 -29.80 | 39.93 1.68 -1.07 | 41.68 1.41 -2.31 | 49.48 1.73 0.00 | 40.20 1.43 0.00 | 41.05 1.10 0.00 | 49.39 1.10 0.00 | 51.52 1.58 0.00 | 70.86 2.18 -11.58 | 106.60 2.65 -14.72 | 101.23 2.96 -33.33 | 95.59 3.04 -32.13 | 144.40 4.96 -38.85 | 84.12 3.35 -13.52 | 71.84 2.08 -26.82 | 46.03 1.73 -4.54 | 47.31 1.45 -6.60 |
| NORTHPORT___3 23553 | 81.69 2.14 -7.71 | 50.31 1.42 -11.30 | 37.64 1.25 0.00 | 37.23 1.26 0.00 | 40.33 1.39 0.00 | 50.48 1.59 -8.17 | 85.95 2.49 -31.02 | 95.99 3.40 -30.18 | 40.29 2.00 -1.12 | 42.00 1.70 -2.34 | 49.75 2.01 0.00 | 40.45 1.69 0.00 | 41.36 1.41 0.00 | 49.78 1.48 0.00 | 51.89 1.95 0.00 | 71.49 2.66 -11.72 | 107.73 3.59 -14.91 | 102.32 3.57 -33.80 | 96.97 3.73 -32.82 | 146.04 5.94 -39.52 | 85.16 3.97 -13.95 | 73.24 2.44 -27.87 | 46.84 2.04 -5.05 | 48.02 1.72 -7.05 |
| NORTHPORT___4 23650 | 81.69 2.14 -7.71 | 50.31 1.42 -11.30 | 37.64 1.25 0.00 | 37.23 1.26 0.00 | 40.33 1.39 0.00 | 50.48 1.59 -8.17 | 85.95 2.49 -31.02 | 95.99 3.40 -30.18 | 40.29 2.00 -1.12 | 42.00 1.70 -2.34 | 49.75 2.01 0.00 | 40.45 1.69 0.00 | 41.36 1.41 0.00 | 49.78 1.48 0.00 | 51.89 1.95 0.00 | 71.49 2.66 -11.72 | 107.73 3.59 -14.91 | 102.32 3.57 -33.80 | 96.97 3.73 -32.82 | 146.04 5.94 -39.52 | 85.16 3.97 -13.95 | 73.24 2.44 -27.87 | 46.84 2.04 -5.05 | 48.02 1.72 -7.05 |
| NORTHPORT___IC 23718 | 81.08 1.63 -7.60 | 49.96 1.22 -11.16 | 37.44 1.04 0.00 | 37.01 1.05 0.00 | 40.11 1.17 0.00 | 50.07 1.32 -8.04 | 85.08 2.07 -30.57 | 95.04 2.83 -29.80 | 39.92 1.68 -1.07 | 41.68 1.41 -2.31 | 49.48 1.73 0.00 | 40.20 1.43 0.00 | 41.05 1.10 0.00 | 49.39 1.10 0.00 | 51.52 1.58 0.00 | 70.85 2.17 -11.58 | 106.58 2.63 -14.72 | 101.23 2.95 -33.33 | 95.59 3.04 -32.13 | 144.40 4.96 -38.85 | 84.12 3.35 -13.52 | 71.84 2.08 -26.82 | 46.03 1.73 -4.54 | 47.31 1.45 -6.60 |
| NORTH___COUNTRY_ESR 323785 | 73.61 1.78 0.00 | 38.56 0.97 0.00 | 37.39 0.99 0.00 | 36.91 0.95 0.00 | 40.02 1.09 0.00 | 41.65 0.93 0.00 | 53.58 1.14 0.00 | 63.41 0.99 0.00 | 37.59 0.42 0.00 | 38.37 0.41 0.00 | 47.82 0.07 0.00 | 38.67 -0.09 0.00 | 39.98 0.03 0.00 | 48.25 -0.04 0.00 | 49.97 0.04 0.00 | 57.23 0.13 0.00 | 88.51 -0.72 0.00 | 64.26 -0.68 0.00 | 59.98 -0.43 0.00 | 100.64 0.06 0.00 | 67.29 0.05 0.00 | 42.65 -0.29 0.00 | 33.65 -0.77 5.34 | 27.82 -0.83 10.60 |
| NPX_GEN_1385_PROXY 323591 | 80.71 1.27 -7.60 | 49.64 0.89 -11.16 | 36.99 0.59 0.00 | 36.50 0.53 0.00 | 39.80 0.86 0.00 | 49.86 1.11 -8.04 | 84.80 1.79 -30.57 | 94.11 1.90 -29.80 | 39.29 1.04 -1.07 | 40.83 0.55 -2.31 | 48.52 0.77 0.00 | 39.48 0.71 0.00 | 40.29 0.34 0.00 | 48.30 0.01 0.00 | 50.76 0.82 0.00 | 69.77 1.09 -11.58 | 40.24 0.53 49.52 | 49.40 1.45 16.99 | 65.57 1.62 -3.53 | 137.93 2.75 -34.60 | -37.97 1.78 107.00 | 46.51 1.09 -2.48 | 45.45 1.14 -4.54 | 46.95 1.09 -6.60 |
| NPX_GEN_CSC 323557 | 82.57 2.80 -7.93 | 50.70 1.62 -11.48 | 37.72 1.32 0.00 | 37.23 1.27 0.00 | 40.27 1.32 0.00 | 51.09 1.65 -8.72 | 87.17 2.61 -32.11 | 96.72 3.63 -30.68 | 40.70 2.06 -1.47 | 42.05 1.71 -2.38 | 49.59 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.25 0.95 0.00 | 51.41 1.47 0.00 | 71.37 2.35 -11.91 | 108.13 3.75 -15.15 | 103.38 4.10 -34.34 | 97.84 4.17 -33.24 | 146.47 6.36 -39.53 | 85.97 4.53 -14.20 | 74.26 2.73 -28.60 | 47.33 2.00 -5.57 | 48.33 1.62 -7.45 |
| NSINS_S___GLNS_FALLS 23858 | 75.02 3.18 0.00 | 39.53 1.94 0.00 | 38.24 1.85 0.00 | 37.82 1.86 0.00 | 40.90 1.97 0.00 | 42.86 2.14 0.00 | 56.06 3.62 0.00 | 67.26 4.85 0.00 | 39.93 2.75 0.00 | 40.29 2.33 0.00 | 50.41 2.66 0.00 | 40.72 1.95 0.00 | 41.82 1.87 0.00 | 50.52 2.23 0.00 | 52.24 2.30 0.00 | 60.06 2.95 0.00 | 94.83 5.60 0.00 | 69.96 5.02 0.00 | 65.74 5.31 0.00 | 108.74 8.16 0.00 | 72.49 5.24 0.00 | 46.11 3.17 0.00 | 42.71 2.95 0.00 | 41.97 2.71 0.00 |
| NUCOR_STEEL___DRP 24197 | 72.11 0.27 0.00 | 37.61 0.02 0.00 | 36.42 0.03 0.00 | 35.98 0.02 0.00 | 39.02 0.08 0.00 | 40.80 0.08 0.00 | 52.70 0.25 0.00 | 62.50 0.09 0.00 | 37.18 0.01 0.00 | 38.18 0.21 0.00 | 48.26 0.52 0.00 | 39.13 0.36 0.00 | 40.42 0.47 0.00 | 48.94 0.65 0.00 | 50.64 0.70 0.00 | 57.64 0.53 0.00 | 90.06 0.83 0.00 | 65.51 0.57 0.00 | 60.90 0.48 0.00 | 101.26 0.68 0.00 | 67.68 0.44 0.00 | 43.11 0.17 0.00 | 39.81 0.06 0.00 | 39.52 0.27 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 72.83 0.99 0.00 | 37.90 0.30 0.00 | 36.65 0.26 0.00 | 36.28 0.31 0.00 | 39.45 0.51 0.00 | 41.42 0.70 0.00 | 53.85 1.41 0.00 | 63.96 1.55 0.00 | 37.65 0.48 0.00 | 37.83 -0.14 0.00 | 47.05 -0.69 0.00 | 38.19 -0.58 0.00 | 39.10 -0.85 0.00 | 47.76 -0.54 0.00 | 49.01 -0.93 0.00 | 56.24 -0.87 0.00 | 87.86 -1.37 0.00 | 63.77 -1.17 0.00 | 59.29 -1.13 0.00 | 100.81 0.22 0.00 | 67.68 0.43 0.00 | 42.08 -0.85 0.00 | 38.96 -1.04 -0.24 | 38.37 -1.37 -0.48 |
| NYISO_LBMP_REFERENCE 24008 | 71.84 0.00 0.00 | 37.59 0.00 0.00 | 36.40 0.00 0.00 | 35.97 0.00 0.00 | 38.94 0.00 0.00 | 40.72 0.00 0.00 | 52.44 0.00 0.00 | 62.41 0.00 0.00 | 37.17 0.00 0.00 | 37.97 0.00 0.00 | 47.74 0.00 0.00 | 38.77 0.00 0.00 | 39.95 0.00 0.00 | 48.29 0.00 0.00 | 49.94 0.00 0.00 | 57.11 0.00 0.00 | 89.23 0.00 0.00 | 64.94 0.00 0.00 | 60.42 0.00 0.00 | 100.59 0.00 0.00 | 67.25 0.00 0.00 | 42.94 0.00 0.00 | 39.76 0.00 0.00 | 39.25 0.00 0.00 |

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| NYPA_BRENTWD____GT 24164 | 82.55 2.68 -8.02 | 50.82 1.66 -11.57 | 37.85 1.45 0.00 | 37.42 1.46 0.00 | 40.54 1.60 0.00 | 51.46 1.85 -8.90 | 87.74 2.77 -32.52 | 96.90 3.58 -30.91 | 40.92 2.17 -1.57 | 42.26 1.90 -2.40 | 49.98 2.23 0.00 | 40.55 1.78 0.00 | 41.40 1.44 0.00 | 49.80 1.51 0.00 | 51.99 2.06 0.00 | 72.05 2.94 -12.00 | 108.37 3.87 -15.26 | 103.26 3.70 -34.62 | 97.88 3.79 -33.67 | 147.18 6.06 -40.53 | 86.61 4.17 -15.19 | 76.95 2.80 -31.21 | 49.16 2.31 -7.09 | 50.00 1.98 -8.77 |
| NYPA_GOWANUS____GT5 24156 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NYPA_GOWANUS____GT6 24157 | 86.38 2.28 -12.26 | 57.78 1.36 -18.82 | 57.05 1.28 -19.37 | 56.97 1.32 -19.68 | 56.96 1.34 -16.68 | 57.48 1.67 -15.09 | 64.60 2.73 -9.42 | 74.02 3.83 -7.77 | 59.29 2.40 -19.71 | 59.21 2.00 -19.25 | 62.38 2.31 -12.32 | 58.95 2.09 -18.09 | 57.07 2.02 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.75 -12.05 | 101.20 4.06 -32.20 | 101.18 4.23 -36.52 | 107.16 6.55 -0.02 | 75.72 4.32 -4.15 | 63.26 2.75 -17.57 | 57.78 2.33 -15.69 | 56.96 1.92 -15.78 |
| NYPA_HARLEM_RVR_GT1 24160 | 73.14 1.30 0.00 | 38.54 0.94 0.00 | 37.29 0.89 0.00 | 36.89 0.93 0.00 | 39.81 0.87 0.00 | 41.93 1.21 0.00 | 54.62 2.17 0.00 | 65.76 3.35 0.00 | 39.26 2.04 -0.05 | 39.55 1.59 0.00 | 49.52 1.77 0.00 | 40.44 1.66 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.45 0.00 | 93.21 3.98 0.00 | 68.33 3.39 0.00 | 63.99 3.57 0.01 | 106.23 5.64 0.00 | 70.89 3.65 0.00 | 45.28 2.35 0.00 | 41.66 1.90 0.00 | 40.75 1.50 0.00 |
| NYPA_HARLEM_RVR_GT2 24161 | 73.14 1.30 0.00 | 38.54 0.94 0.00 | 37.29 0.89 0.00 | 36.89 0.93 0.00 | 39.81 0.87 0.00 | 41.93 1.21 0.00 | 54.62 2.17 0.00 | 65.76 3.35 0.00 | 39.26 2.04 -0.05 | 39.55 1.59 0.00 | 49.52 1.77 0.00 | 40.44 1.66 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.45 0.00 | 93.21 3.98 0.00 | 68.33 3.39 0.00 | 63.99 3.57 0.01 | 106.23 5.64 0.00 | 70.89 3.65 0.00 | 45.28 2.35 0.00 | 41.66 1.90 0.00 | 40.75 1.50 0.00 |
| NYPA_KENT____GT 24152 | 81.28 2.06 -7.38 | 50.17 1.25 -11.33 | 49.23 1.17 -11.66 | 49.02 1.21 -11.84 | 50.20 1.23 -10.04 | 51.35 1.55 -9.08 | 60.70 2.59 -5.67 | 70.78 3.69 -4.68 | 51.36 2.30 -11.88 | 51.44 1.90 -11.59 | 57.36 2.20 -7.42 | 51.64 1.99 -10.89 | 50.95 1.92 -9.09 | 57.66 2.14 -7.23 | 58.76 2.31 -6.51 | 64.03 2.96 -3.97 | 101.02 4.53 -7.25 | 88.21 3.89 -19.38 | 86.48 4.08 -21.98 | 106.87 6.27 -0.01 | 73.86 4.11 -2.50 | 56.14 2.62 -10.58 | 51.40 2.20 -9.44 | 50.54 1.79 -9.50 |
| NYPA_POUCH1____GT 24155 | 86.25 2.15 -12.26 | 57.72 1.31 -18.82 | 57.00 1.23 -19.37 | 56.92 1.28 -19.68 | 56.93 1.32 -16.68 | 57.43 1.62 -15.09 | 64.48 2.61 -9.42 | 73.83 3.65 -7.77 | 59.20 2.32 -19.71 | 59.13 1.91 -19.25 | 62.28 2.21 -12.32 | 58.86 2.00 -18.09 | 56.97 1.92 -15.10 | 62.46 2.16 -12.01 | 63.05 2.29 -10.82 | 66.65 2.94 -6.60 | 105.74 4.45 -12.05 | 101.01 3.87 -32.20 | 100.97 4.03 -36.52 | 106.82 6.21 -0.02 | 75.54 4.14 -4.15 | 63.17 2.66 -17.57 | 57.71 2.26 -15.69 | 56.93 1.89 -15.78 |
| NYPA_VERNON____GT2 24162 | 76.16 1.82 -2.50 | 42.56 1.14 -3.83 | 41.40 1.06 -3.95 | 41.07 1.10 -4.01 | 43.44 1.11 -3.40 | 45.21 1.42 -3.07 | 56.79 2.43 -1.92 | 67.55 3.56 -1.58 | 43.44 2.20 -4.06 | 43.68 1.80 -3.92 | 52.32 2.07 -2.51 | 44.33 1.88 -3.68 | 44.82 1.80 -3.07 | 52.74 2.00 -2.45 | 54.32 2.18 -2.20 | 61.27 2.82 -1.34 | 96.00 4.32 -2.45 | 75.22 3.72 -6.56 | 71.78 3.93 -7.44 | 106.57 5.98 0.00 | 71.99 3.89 -0.84 | 49.01 2.49 -3.58 | 45.02 2.07 -3.19 | 44.14 1.67 -3.22 |
| NYPA_VERNON____GT3 24163 | 76.16 1.82 -2.50 | 42.56 1.14 -3.83 | 41.40 1.06 -3.95 | 41.07 1.10 -4.01 | 43.44 1.11 -3.40 | 45.21 1.42 -3.07 | 56.79 2.43 -1.92 | 67.55 3.56 -1.58 | 43.44 2.20 -4.06 | 43.68 1.80 -3.92 | 52.32 2.07 -2.51 | 44.33 1.88 -3.68 | 44.82 1.80 -3.07 | 52.74 2.00 -2.45 | 54.32 2.18 -2.20 | 61.27 2.82 -1.34 | 96.00 4.32 -2.45 | 75.22 3.72 -6.56 | 71.78 3.93 -7.44 | 106.57 5.98 0.00 | 71.99 3.89 -0.84 | 49.01 2.49 -3.58 | 45.02 2.07 -3.19 | 44.14 1.67 -3.22 |
| NYPA____ASTORIA_CC1 323568 | 73.58 1.74 0.00 | 38.68 1.08 0.00 | 37.41 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.06 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.38 2.15 -0.05 | 39.70 1.73 0.00 | 49.72 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.03 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.24 3.82 0.00 | 106.39 5.80 0.00 | 71.04 3.80 0.00 | 45.36 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| NYPA____ASTORIA_CC2 323569 | 73.58 1.74 0.00 | 38.68 1.08 0.00 | 37.41 1.02 0.00 | 37.02 1.06 0.00 | 40.00 1.06 0.00 | 42.09 1.37 0.00 | 54.79 2.35 0.00 | 65.89 3.48 0.00 | 39.38 2.15 -0.05 | 39.70 1.73 0.00 | 49.72 1.97 0.00 | 40.59 1.82 0.00 | 41.69 1.74 0.00 | 50.21 1.92 0.00 | 52.03 2.10 0.00 | 59.82 2.71 0.00 | 93.38 4.15 0.00 | 68.55 3.61 0.00 | 64.24 3.82 0.00 | 106.39 5.80 0.00 | 71.04 3.80 0.00 | 45.36 2.43 0.00 | 41.77 2.01 0.00 | 40.87 1.62 0.00 |
| NYPA____HOLTSVILL 23794 | 82.42 2.65 -7.93 | 50.62 1.56 -11.48 | 37.72 1.32 0.00 | 37.26 1.29 0.00 | 40.33 1.39 0.00 | 51.10 1.68 -8.70 | 87.15 2.63 -32.08 | 96.70 3.62 -30.66 | 40.71 2.08 -1.46 | 42.10 1.76 -2.38 | 49.70 1.96 0.00 | 40.32 1.54 0.00 | 41.13 1.18 0.00 | 49.46 1.17 0.00 | 51.63 1.69 0.00 | 71.57 2.56 -11.91 | 108.10 3.72 -15.14 | 103.19 3.93 -34.31 | 97.70 4.07 -33.21 | 146.07 6.03 -39.46 | 85.49 4.12 -14.13 | 73.90 2.54 -28.42 | 47.25 2.03 -5.47 | 48.28 1.66 -7.36 |
| NYPA____HELLGATE_GT1 24158 | 73.14 1.30 0.00 | 38.54 0.94 0.00 | 37.29 0.89 0.00 | 36.89 0.93 0.00 | 39.81 0.87 0.00 | 41.93 1.21 0.00 | 54.62 2.17 0.00 | 65.76 3.35 0.00 | 39.26 2.04 -0.05 | 39.55 1.59 0.00 | 49.52 1.77 0.00 | 40.44 1.66 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.45 0.00 | 93.21 3.98 0.00 | 68.33 3.39 0.00 | 63.99 3.57 0.01 | 106.23 5.64 0.00 | 70.89 3.65 0.00 | 45.28 2.35 0.00 | 41.66 1.90 0.00 | 40.75 1.50 0.00 |
| NYPA____HELLGATE_GT2 24159 | 73.14 1.30 0.00 | 38.54 0.94 0.00 | 37.29 0.89 0.00 | 36.89 0.93 0.00 | 39.81 0.87 0.00 | 41.93 1.21 0.00 | 54.62 2.17 0.00 | 65.76 3.35 0.00 | 39.26 2.04 -0.05 | 39.55 1.59 0.00 | 49.52 1.77 0.00 | 40.44 1.66 0.00 | 41.50 1.55 0.00 | 49.98 1.69 0.00 | 51.83 1.89 0.00 | 59.55 2.45 0.00 | 93.21 3.98 0.00 | 68.33 3.39 0.00 | 63.99 3.57 0.01 | 106.23 5.64 0.00 | 70.89 3.65 0.00 | 45.28 2.35 0.00 | 41.66 1.90 0.00 | 40.75 1.50 0.00 |
| NYS_BARGE____HYD 23848 | 70.41 -1.43 0.00 | 36.20 -1.39 0.00 | 35.10 -1.29 0.00 | 34.55 -1.41 0.00 | 37.50 -1.44 0.00 | 39.09 -1.63 0.00 | 50.09 -2.35 0.00 | 57.87 -4.54 0.00 | 34.71 -2.46 0.00 | 36.67 -1.29 0.00 | 47.10 -0.64 0.00 | 37.99 -0.78 0.00 | 39.53 -0.42 0.00 | 48.34 0.05 0.00 | 50.25 0.32 0.00 | 56.89 -0.21 0.00 | 87.70 -1.53 0.00 | 62.42 -2.52 0.00 | 58.13 -2.29 0.00 | 96.77 -3.82 0.00 | 65.00 -2.25 0.00 | 41.61 -1.33 0.00 | 38.34 -1.42 0.00 | 37.97 -1.29 0.00 |

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|--------------------------------|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|--------------------------|--------------------------|
| OAK ORCHARD___HYD 24046 | 71.48 -0.36 0.00 | 37.00 -0.59 0.00 | 35.85 -0.55 0.00 | 35.36 -0.60 0.00 | 38.35 -0.58 0.00 | 40.05 -0.67 0.00 | 51.62 -0.83 0.00 | 60.53 -1.88 0.00 | 36.20 -0.97 0.00 | 37.68 -0.28 0.00 | 48.01 0.26 0.00 | 38.82 0.05 0.00 | 40.30 0.35 0.00 | 49.05 0.76 0.00 | 50.84 0.91 0.00 | 57.84 0.73 0.00 | 89.76 0.53 0.00 | 64.59 -0.35 0.00 | 60.20 -0.21 0.00 | 100.14 -0.44 0.00 | 67.12 -0.12 0.00 | 42.83 -0.11 0.00 | 39.39 -0.37 0.00 | 38.92 -0.33 0.00 |
| OAKDALE___35_KV_LOAD 356122 | 71.83 -0.01 0.00 | 37.40 -0.19 0.00 | 36.20 -0.20 0.00 | 35.80 -0.17 0.00 | 38.78 -0.16 0.00 | 40.57 -0.15 0.00 | 52.48 0.03 0.00 | 62.30 -0.11 0.00 | 37.12 -0.06 0.00 | 37.98 0.01 0.00 | 48.13 0.39 0.00 | 39.06 0.29 0.00 | 40.30 0.35 0.00 | 48.77 0.48 0.00 | 50.41 0.48 0.00 | 57.58 0.48 0.00 | 89.53 0.29 0.00 | 64.93 -0.01 0.00 | 60.77 0.36 0.00 | 100.84 0.25 0.00 | 67.41 0.16 0.00 | 42.97 0.03 0.00 | 39.59 -0.17 0.00 | 39.08 -0.17 0.00 |
| OCC_CHEM___DRP 24175 | 69.67 -2.17 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.62 -2.09 0.00 | 49.32 -3.13 0.00 | 56.73 -5.69 0.00 | 34.08 -3.09 0.00 | 36.10 -1.86 0.00 | 46.45 -1.30 0.00 | 37.43 -1.34 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.37 -0.57 0.00 | 56.04 -1.07 0.00 | 86.60 -2.63 0.00 | 61.65 -3.29 0.00 | 57.42 -3.00 0.00 | 95.56 -5.03 0.00 | 64.19 -3.05 0.00 | 41.16 -1.78 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| OH_GEN_PROXY 24063 | 96.73 -2.10 -26.99 | 35.87 -1.72 0.00 | 34.80 -1.60 0.00 | 34.27 -1.70 0.00 | 37.17 -1.77 0.00 | 38.68 -2.04 0.00 | 49.58 -2.86 0.00 | 57.38 -5.03 0.00 | 34.45 -2.73 0.00 | 36.39 -1.57 0.00 | 46.77 -0.97 0.00 | 37.74 -1.03 0.00 | 39.25 -0.71 0.00 | 47.92 -0.38 0.00 | 49.74 -0.20 0.00 | 56.44 -0.67 0.00 | 87.23 -2.00 0.00 | 62.17 -2.77 0.00 | 57.95 -2.48 0.00 | 96.41 -4.18 0.00 | 64.75 -2.50 0.00 | 41.47 -1.47 0.00 | 74.30 -1.68 -36.22 | 78.58 -1.51 -40.84 |
| OLIN_CORP_DRP 24177 | 69.58 -2.26 0.00 | 35.78 -1.81 0.00 | 34.70 -1.69 0.00 | 34.15 -1.81 0.00 | 37.06 -1.88 0.00 | 38.62 -2.10 0.00 | 49.42 -3.03 0.00 | 57.01 -5.39 0.00 | 34.29 -2.88 0.00 | 36.27 -1.70 0.00 | 46.62 -1.12 0.00 | 37.57 -1.20 0.00 | 39.07 -0.88 0.00 | 47.79 -0.51 0.00 | 49.59 -0.34 0.00 | 56.23 -0.88 0.00 | 86.60 -2.63 0.00 | 61.58 -3.36 0.00 | 57.29 -3.13 0.00 | 95.38 -5.20 0.00 | 64.09 -3.15 0.00 | 41.09 -1.84 0.00 | 37.95 -1.81 0.00 | 37.62 -1.63 0.00 |
| OLIN_CORP_DSASP 323712 | 69.66 -2.18 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.63 -2.09 0.00 | 49.31 -3.13 0.00 | 56.73 -5.68 0.00 | 34.09 -3.08 0.00 | 36.10 -1.86 0.00 | 46.44 -1.30 0.00 | 37.44 -1.33 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.38 -0.56 0.00 | 56.04 -1.07 0.00 | 86.59 -2.64 0.00 | 61.66 -3.28 0.00 | 57.41 -3.01 0.00 | 95.54 -5.04 0.00 | 64.20 -3.05 0.00 | 41.16 -1.77 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| ONEIDA_HERK_LFGE 323681 | 73.16 1.32 0.00 | 38.18 0.59 0.00 | 36.96 0.56 0.00 | 36.55 0.59 0.00 | 39.65 0.71 0.00 | 41.59 0.87 0.00 | 53.95 1.50 0.00 | 64.17 1.76 0.00 | 37.94 0.76 0.00 | 38.42 0.45 0.00 | 48.18 0.43 0.00 | 39.06 0.29 0.00 | 40.07 0.12 0.00 | 48.76 0.47 0.00 | 50.27 0.33 0.00 | 57.70 0.59 0.00 | 90.22 0.99 0.00 | 65.66 0.72 0.00 | 61.20 0.78 0.00 | 102.71 2.12 0.00 | 68.73 1.49 0.00 | 43.36 0.42 0.00 | 40.10 0.23 -0.11 | 39.52 0.04 -0.23 |
| ONEIDA___115KV_TB4 55905 | 73.50 1.66 0.00 | 38.34 0.75 0.00 | 37.12 0.73 0.00 | 36.71 0.74 0.00 | 39.75 0.82 0.00 | 41.69 0.97 0.00 | 54.02 1.58 0.00 | 64.28 1.87 0.00 | 38.06 0.89 0.00 | 38.75 0.78 0.00 | 48.82 1.08 0.00 | 39.55 0.78 0.00 | 40.56 0.61 0.00 | 49.38 1.08 0.00 | 51.00 1.06 0.00 | 58.59 1.48 0.00 | 91.58 2.35 0.00 | 66.67 1.72 0.00 | 62.24 1.83 0.00 | 103.82 3.23 0.00 | 69.34 2.09 0.00 | 44.05 1.11 0.00 | 40.62 0.86 0.00 | 40.00 0.74 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 71.85 0.01 0.00 | 37.50 -0.09 0.00 | 36.30 -0.10 0.00 | 35.88 -0.08 0.00 | 38.87 -0.07 0.00 | 40.65 -0.07 0.00 | 52.50 0.05 0.00 | 62.35 -0.06 0.00 | 37.11 -0.06 0.00 | 37.95 -0.01 0.00 | 47.89 0.14 0.00 | 38.86 0.09 0.00 | 40.10 0.15 0.00 | 48.58 0.29 0.00 | 50.22 0.29 0.00 | 57.39 0.28 0.00 | 89.47 0.24 0.00 | 65.04 0.10 0.00 | 60.70 0.28 0.00 | 100.96 0.38 0.00 | 67.50 0.26 0.00 | 43.02 0.08 0.00 | 39.78 0.02 0.00 | 39.30 0.05 0.00 |
| ONONDAGA___COGEN 23986 | 71.73 -0.11 0.00 | 37.46 -0.14 0.00 | 36.26 -0.14 0.00 | 35.84 -0.13 0.00 | 38.83 -0.11 0.00 | 40.59 -0.13 0.00 | 52.38 -0.06 0.00 | 62.19 -0.22 0.00 | 37.03 -0.14 0.00 | 37.90 -0.07 0.00 | 47.81 0.06 0.00 | 38.77 0.01 0.00 | 40.04 0.09 0.00 | 48.52 0.23 0.00 | 50.14 0.20 0.00 | 57.22 0.11 0.00 | 89.28 0.05 0.00 | 64.91 -0.03 0.00 | 60.55 0.13 0.00 | 100.68 0.10 0.00 | 67.31 0.06 0.00 | 42.91 -0.03 0.00 | 39.69 -0.07 0.00 | 39.27 0.01 0.00 |
| ONTARIO___LFGE 23819 | 72.15 0.31 0.00 | 37.56 -0.03 0.00 | 36.33 -0.06 0.00 | 35.88 -0.09 0.00 | 38.95 0.02 0.00 | 40.73 0.02 0.00 | 52.70 0.26 0.00 | 62.12 -0.29 0.00 | 36.99 -0.18 0.00 | 38.10 0.14 0.00 | 48.39 0.64 0.00 | 39.05 0.28 0.00 | 40.47 0.52 0.00 | 49.16 0.87 0.00 | 50.85 0.91 0.00 | 57.90 0.79 0.00 | 89.59 0.36 0.00 | 65.03 0.09 0.00 | 60.90 0.49 0.00 | 100.62 0.03 0.00 | 67.47 0.22 0.00 | 43.00 0.07 0.00 | 39.52 -0.24 0.00 | 39.11 -0.14 0.00 |
| ORANGEVILLE_WT_PWR 323706 | 70.35 -1.49 0.00 | 36.23 -1.35 0.00 | 34.94 -1.46 0.00 | 34.30 -1.67 0.00 | 37.30 -1.64 0.00 | 38.69 -2.03 0.00 | 49.78 -2.66 0.00 | 57.70 -4.71 0.00 | 34.05 -3.13 0.00 | 35.73 -2.23 0.00 | 45.56 -2.18 0.00 | 36.69 -2.08 0.00 | 38.49 -1.46 0.00 | 46.85 -1.44 0.00 | 48.42 -1.52 0.00 | 54.41 -2.70 0.00 | 83.62 -5.61 0.00 | 60.01 -4.93 0.00 | 56.40 -4.02 0.00 | 94.18 -6.40 0.00 | 63.16 -4.09 0.00 | 39.97 -2.96 0.00 | 36.72 -3.04 0.00 | 36.45 -2.81 0.00 |
| ORANGEVILLE___ESR 323794 | 70.35 -1.49 0.00 | 36.23 -1.35 0.00 | 34.94 -1.46 0.00 | 34.30 -1.67 0.00 | 37.30 -1.64 0.00 | 38.69 -2.03 0.00 | 49.78 -2.66 0.00 | 57.70 -4.71 0.00 | 34.05 -3.13 0.00 | 35.73 -2.23 0.00 | 45.56 -2.18 0.00 | 36.69 -2.08 0.00 | 38.49 -1.46 0.00 | 46.85 -1.44 0.00 | 48.42 -1.52 0.00 | 54.41 -2.70 0.00 | 83.62 -5.61 0.00 | 60.01 -4.93 0.00 | 56.40 -4.02 0.00 | 94.18 -6.40 0.00 | 63.16 -4.09 0.00 | 39.97 -2.96 0.00 | 36.72 -3.04 0.00 | 36.45 -2.81 0.00 |
| OSWEGATCHIE___HYD 24044 | 72.01 0.17 0.00 | 37.52 -0.07 0.00 | 36.30 -0.10 0.00 | 35.87 -0.10 0.00 | 38.95 0.01 0.00 | 40.78 0.06 0.00 | 52.83 0.39 0.00 | 62.66 0.24 0.00 | 36.93 -0.24 0.00 | 37.29 -0.67 0.00 | 46.44 -1.31 0.00 | 37.71 -1.07 0.00 | 38.86 -1.09 0.00 | 47.21 -1.08 0.00 | 48.70 -1.24 0.00 | 55.86 -1.24 0.00 | 87.29 -1.94 0.00 | 63.37 -1.57 0.00 | 58.82 -1.60 0.00 | 99.43 -1.16 0.00 | 66.67 -0.57 0.00 | 41.87 -1.06 0.00 | 39.14 -1.18 -0.55 | 39.01 -1.34 -1.09 |
| OSWEGO___5 23606 | 70.57 -1.27 0.00 | 36.87 -0.72 0.00 | 35.70 -0.69 0.00 | 35.28 -0.68 0.00 | 38.21 -0.72 0.00 | 39.92 -0.80 0.00 | 51.40 -1.04 0.00 | 61.05 -1.36 0.00 | 36.37 -0.81 0.00 | 37.20 -0.77 0.00 | 46.88 -0.86 0.00 | 38.06 -0.71 0.00 | 39.25 -0.70 0.00 | 47.52 -0.78 0.00 | 49.11 -0.83 0.00 | 56.05 -1.06 0.00 | 87.46 -1.78 0.00 | 63.60 -1.34 0.00 | 59.27 -1.15 0.00 | 98.60 -1.98 0.00 | 65.94 -1.31 0.00 | 42.10 -0.84 0.00 | 39.01 -0.75 0.00 | 38.61 -0.65 0.00 |

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| OSWEGO___6 23613 | 70.57 -1.27 0.00 | 36.87 -0.72 0.00 | 35.70 -0.69 0.00 | 35.28 -0.68 0.00 | 38.21 -0.72 0.00 | 39.92 -0.80 0.00 | 51.40 -1.04 0.00 | 61.05 -1.36 0.00 | 36.37 -0.81 0.00 | 37.20 -0.77 0.00 | 46.88 -0.86 0.00 | 38.06 -0.71 0.00 | 39.25 -0.70 0.00 | 47.52 -0.78 0.00 | 49.11 -0.83 0.00 | 56.05 -1.06 0.00 | 87.46 -1.78 0.00 | 63.60 -1.34 0.00 | 59.27 -1.15 0.00 | 98.60 -1.98 0.00 | 65.94 -1.31 0.00 | 42.10 -0.84 0.00 | 39.01 -0.75 0.00 | 38.61 -0.65 0.00 |
| OUTOKUMPU-AB___DRP 24206 | 71.05 -0.79 0.00 | 36.50 -1.09 0.00 | 35.39 -1.00 0.00 | 34.84 -1.13 0.00 | 37.80 -1.14 0.00 | 39.38 -1.34 0.00 | 50.47 -1.97 0.00 | 58.27 -4.14 0.00 | 34.99 -2.18 0.00 | 37.00 -0.96 0.00 | 47.56 -0.18 0.00 | 38.35 -0.42 0.00 | 39.88 -0.08 0.00 | 48.78 0.48 0.00 | 50.62 0.69 0.00 | 57.44 0.33 0.00 | 88.54 -0.69 0.00 | 63.12 -1.82 0.00 | 58.84 -1.58 0.00 | 97.87 -2.71 0.00 | 65.73 -1.52 0.00 | 42.07 -0.86 0.00 | 38.65 -1.11 0.00 | 38.28 -0.97 0.00 |
| OXBOW___BTM 323836 | 70.27 -1.57 0.00 | 36.11 -1.48 0.00 | 35.02 -1.37 0.00 | 34.48 -1.48 0.00 | 37.42 -1.52 0.00 | 38.97 -1.75 0.00 | 49.84 -2.61 0.00 | 57.45 -4.96 0.00 | 34.52 -2.66 0.00 | 36.52 -1.44 0.00 | 46.97 -0.78 0.00 | 37.89 -0.89 0.00 | 39.38 -0.57 0.00 | 48.15 -0.14 0.00 | 49.98 0.04 0.00 | 56.71 -0.40 0.00 | 87.54 -1.69 0.00 | 62.35 -2.59 0.00 | 58.11 -2.31 0.00 | 96.66 -3.93 0.00 | 64.93 -2.31 0.00 | 41.60 -1.34 0.00 | 38.22 -1.54 0.00 | 37.87 -1.39 0.00 |
| OXBOW____ 24026 | 70.29 -1.56 0.00 | 36.11 -1.48 0.00 | 35.02 -1.37 0.00 | 34.48 -1.48 0.00 | 37.42 -1.52 0.00 | 38.97 -1.75 0.00 | 49.84 -2.61 0.00 | 57.45 -4.96 0.00 | 34.51 -2.66 0.00 | 36.52 -1.44 0.00 | 46.97 -0.78 0.00 | 37.87 -0.89 0.00 | 39.37 -0.58 0.00 | 48.15 -0.14 0.00 | 49.97 0.03 0.00 | 56.71 -0.39 0.00 | 87.54 -1.69 0.00 | 62.35 -2.59 0.00 | 58.11 -2.31 0.00 | 96.67 -3.92 0.00 | 64.93 -2.32 0.00 | 41.60 -1.34 0.00 | 38.22 -1.55 0.00 | 37.87 -1.39 0.00 |
| OXY_CHEM_DSASP 323612 | 69.67 -2.17 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.62 -2.09 0.00 | 49.32 -3.13 0.00 | 56.73 -5.69 0.00 | 34.08 -3.09 0.00 | 36.10 -1.86 0.00 | 46.45 -1.30 0.00 | 37.43 -1.34 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.37 -0.57 0.00 | 56.04 -1.07 0.00 | 86.60 -2.63 0.00 | 61.65 -3.29 0.00 | 57.42 -3.00 0.00 | 95.56 -5.03 0.00 | 64.19 -3.05 0.00 | 41.16 -1.78 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| OZONE_PARK_ESR 323760 | 73.96 2.12 0.00 | 38.87 1.28 0.00 | 37.60 1.20 0.00 | 37.20 1.24 0.00 | 40.20 1.26 0.00 | 42.30 1.59 0.00 | 55.17 2.72 0.00 | 66.33 3.92 0.00 | 39.53 2.36 0.00 | 39.93 1.97 0.00 | 50.05 2.31 0.00 | 40.81 2.04 0.00 | 41.94 1.99 0.00 | 50.53 2.24 0.00 | 52.35 2.42 0.00 | 60.24 3.13 0.00 | 94.08 4.85 0.00 | 69.06 4.12 0.00 | 64.72 4.31 0.00 | 107.35 6.77 0.00 | 71.63 4.39 0.00 | 45.70 2.76 0.00 | 42.06 2.30 0.00 | 41.12 1.87 0.00 |
| PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013 | 69.67 -2.17 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.62 -2.09 0.00 | 49.32 -3.13 0.00 | 56.73 -5.69 0.00 | 34.08 -3.09 0.00 | 36.10 -1.86 0.00 | 46.45 -1.30 0.00 | 37.43 -1.34 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.37 -0.57 0.00 | 56.04 -1.07 0.00 | 86.60 -2.63 0.00 | 61.65 -3.29 0.00 | 57.42 -3.00 0.00 | 95.56 -5.03 0.00 | 64.19 -3.05 0.00 | 41.16 -1.78 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| PACKARD__115KV_DUPONT_184 80571 | 69.67 -2.17 0.00 | 35.81 -1.78 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.12 -1.82 0.00 | 38.62 -2.09 0.00 | 49.32 -3.13 0.00 | 56.73 -5.69 0.00 | 34.08 -3.09 0.00 | 36.10 -1.86 0.00 | 46.45 -1.30 0.00 | 37.43 -1.34 0.00 | 38.92 -1.03 0.00 | 47.58 -0.71 0.00 | 49.37 -0.57 0.00 | 56.04 -1.07 0.00 | 86.60 -2.63 0.00 | 61.65 -3.29 0.00 | 57.42 -3.00 0.00 | 95.56 -5.03 0.00 | 64.19 -3.05 0.00 | 41.16 -1.78 0.00 | 37.84 -1.92 0.00 | 37.51 -1.75 0.00 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 73.21 1.37 0.00 | 38.53 0.94 0.00 | 37.27 0.87 0.00 | 36.86 0.89 0.00 | 39.81 0.87 0.00 | 41.93 1.21 0.00 | 54.63 2.19 0.00 | 65.79 3.37 0.00 | 39.26 2.04 -0.05 | 39.53 1.57 0.00 | 49.51 1.76 0.00 | 40.43 1.66 0.00 | 41.48 1.53 0.00 | 49.98 1.69 0.00 | 51.81 1.88 0.00 | 59.54 2.44 0.00 | 93.12 3.89 0.00 | 68.26 3.32 0.00 | 63.94 3.52 0.00 | 106.12 5.53 0.00 | 70.83 3.58 0.00 | 45.22 2.29 0.00 | 41.62 1.86 0.00 | 40.71 1.46 0.00 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 73.21 1.37 0.00 | 38.61 1.01 0.00 | 37.38 0.98 0.00 | 36.96 0.99 0.00 | 39.94 1.00 0.00 | 42.08 1.36 0.00 | 54.84 2.40 0.00 | 66.02 3.61 0.00 | 39.32 2.10 -0.05 | 39.54 1.57 0.00 | 49.51 1.76 0.00 | 40.43 1.66 0.00 | 41.48 1.53 0.00 | 49.99 1.69 0.00 | 51.81 1.88 0.00 | 59.54 2.44 0.00 | 93.13 3.90 0.00 | 68.26 3.32 0.00 | 63.94 3.52 0.00 | 106.12 5.54 0.00 | 70.83 3.59 0.00 | 45.23 2.29 0.00 | 41.62 1.87 0.00 | 40.72 1.46 0.00 |
| PATROON__115KV_TB1 80586 | 71.24 -0.60 0.00 | 37.66 0.07 0.00 | 36.49 0.09 0.00 | 36.12 0.15 0.00 | 38.97 0.03 0.00 | 40.85 0.13 0.00 | 52.97 0.52 0.00 | 63.48 1.06 0.00 | 37.73 0.56 0.00 | 38.29 0.33 0.00 | 47.96 0.21 0.00 | 38.99 0.22 0.00 | 40.07 0.12 0.00 | 48.35 0.06 0.00 | 49.94 0.01 0.00 | 57.38 0.27 0.00 | 90.46 1.23 0.00 | 66.40 1.46 0.00 | 61.96 1.54 0.00 | 102.74 2.15 0.00 | 68.56 1.32 0.00 | 43.75 0.81 0.00 | 40.55 0.79 0.00 | 39.89 0.63 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 73.54 1.70 0.00 | 38.59 1.00 0.00 | 37.36 0.97 0.00 | 36.96 0.99 0.00 | 39.98 1.05 0.00 | 41.94 1.22 0.00 | 54.35 1.91 0.00 | 64.79 2.38 0.00 | 38.27 1.09 0.00 | 38.59 0.62 0.00 | 48.65 0.91 0.00 | 39.34 0.57 0.00 | 40.28 0.33 0.00 | 48.96 0.66 0.00 | 50.67 0.73 0.00 | 58.18 1.08 0.00 | 91.81 2.58 0.00 | 67.35 2.40 0.00 | 62.94 2.52 0.00 | 104.56 3.97 0.00 | 69.96 2.71 0.00 | 44.61 1.67 0.00 | 41.19 1.43 0.00 | 40.56 1.30 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 71.41 -0.43 0.00 | 36.72 -0.87 0.00 | 35.58 -0.82 0.00 | 35.06 -0.90 0.00 | 38.01 -0.92 0.00 | 39.61 -1.11 0.00 | 50.95 -1.50 0.00 | 59.18 -3.23 0.00 | 35.50 -1.67 0.00 | 37.38 -0.58 0.00 | 47.99 0.24 0.00 | 38.73 -0.03 0.00 | 40.35 0.39 0.00 | 49.21 0.92 0.00 | 51.02 1.09 0.00 | 57.88 0.77 0.00 | 89.30 0.07 0.00 | 63.70 -1.24 0.00 | 59.50 -0.92 0.00 | 98.87 -1.72 0.00 | 66.31 -0.94 0.00 | 42.38 -0.56 0.00 | 38.82 -0.94 0.00 | 38.49 -0.77 0.00 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 73.71 1.87 0.00 | 38.73 1.14 0.00 | 37.49 1.09 0.00 | 37.12 1.15 0.00 | 40.12 1.19 0.00 | 42.23 1.51 0.00 | 55.02 2.58 0.00 | 66.05 3.64 0.00 | 39.30 2.13 0.00 | 39.67 1.70 0.00 | 49.67 1.92 0.00 | 40.42 1.65 0.00 | 41.48 1.53 0.00 | 49.98 1.68 0.00 | 51.83 1.89 0.00 | 59.72 2.61 0.00 | 93.50 4.27 0.00 | 68.60 3.66 0.00 | 64.34 3.92 0.00 | 106.73 6.15 0.00 | 71.27 4.02 0.00 | 45.42 2.48 0.00 | 41.82 2.06 0.00 | 40.92 1.66 0.00 |
| PEEKSKILL____ 23653 | 72.75 0.91 0.00 | 38.21 0.62 0.00 | 36.95 0.55 0.00 | 36.60 0.63 0.00 | 39.57 0.63 0.00 | 41.62 0.90 0.00 | 54.18 1.74 0.00 | 65.02 2.61 0.00 | 38.67 1.50 0.00 | 39.05 1.08 0.00 | 48.91 1.17 0.00 | 39.87 1.10 0.00 | 40.99 1.03 0.00 | 49.39 1.10 0.00 | 51.23 1.29 0.00 | 58.97 1.86 0.00 | 92.19 2.96 0.00 | 67.64 2.69 0.00 | 63.33 2.91 0.00 | 105.05 4.46 0.00 | 70.17 2.93 0.00 | 44.74 1.81 0.00 | 41.24 1.48 0.00 | 40.37 1.11 0.00 |

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| PGE MADISON___WINDPWR 24146 | 77.05 5.21 0.00 | 40.20 2.61 0.00 | 38.96 2.57 0.00 | 38.65 2.69 0.00 | 41.95 3.01 0.00 | 44.22 3.50 0.00 | 57.49 5.05 0.00 | 68.16 5.75 0.00 | 39.96 2.79 0.00 | 39.94 1.98 0.00 | 50.93 3.18 0.00 | 41.31 2.54 0.00 | 42.18 2.23 0.00 | 50.90 2.60 0.00 | 52.57 2.64 0.00 | 60.52 3.41 0.00 | 93.67 4.44 0.00 | 67.93 2.99 0.00 | 62.29 1.87 0.00 | 104.41 3.82 0.00 | 69.47 2.23 0.00 | 43.86 0.92 0.00 | 40.17 0.41 0.00 | 39.41 0.15 0.00 |
| PIERCEFIELD___HYD 23852 | 72.84 1.00 0.00 | 37.99 0.40 0.00 | 36.77 0.37 0.00 | 36.28 0.32 0.00 | 39.33 0.39 0.00 | 41.07 0.35 0.00 | 52.93 0.49 0.00 | 62.71 0.30 0.00 | 37.09 -0.08 0.00 | 37.76 -0.21 0.00 | 47.17 -0.58 0.00 | 38.22 -0.54 0.00 | 39.60 -0.35 0.00 | 47.87 -0.42 0.00 | 49.51 -0.43 0.00 | 56.70 -0.41 0.00 | 88.57 -0.66 0.00 | 64.21 -0.73 0.00 | 59.48 -0.94 0.00 | 99.96 -0.63 0.00 | 66.91 -0.33 0.00 | 42.50 -0.44 0.00 | 40.03 -0.54 -0.81 | 40.30 -0.56 -1.61 |
| PINELAWN_CC_1 323563 | 83.26 2.40 -9.02 | 51.66 1.51 -12.56 | 37.74 1.34 0.00 | 37.30 1.34 0.00 | 40.41 1.46 0.00 | 53.38 1.72 -10.94 | 92.30 2.71 -37.16 | 99.70 3.71 -33.58 | 42.19 2.17 -2.85 | 42.39 1.82 -2.60 | 49.85 2.10 0.00 | 40.43 1.66 0.00 | 41.33 1.38 0.00 | 49.74 1.44 0.00 | 51.87 1.93 0.00 | 72.95 2.80 -13.04 | 109.74 3.95 -16.57 | 106.51 3.87 -37.69 | 101.70 4.07 -37.21 | 152.05 6.50 -44.96 | 90.82 4.38 -19.18 | 87.22 2.69 -41.60 | 54.87 2.22 -12.89 | 54.50 1.88 -13.37 |
| PJM_GEN_HTP_PROXY 323702 | 73.28 1.44 0.00 | 38.54 0.94 0.00 | 37.27 0.88 0.00 | 36.90 0.94 0.00 | 39.86 0.92 0.00 | 41.93 1.21 0.00 | 54.61 2.17 0.00 | 64.14 3.25 1.52 | 39.14 1.96 0.00 | 39.55 1.58 0.00 | 49.58 1.83 0.00 | 40.43 1.66 0.00 | 41.55 1.60 0.00 | 50.06 1.77 0.00 | 51.86 1.93 0.00 | 59.62 2.51 0.00 | 82.04 3.88 11.08 | 67.19 3.42 1.18 | 64.06 3.64 0.00 | 106.19 5.60 0.00 | 70.85 3.60 0.00 | 45.20 2.26 0.00 | 41.62 1.86 0.00 | 40.72 1.47 0.00 |
| PJM_GEN_KEystone 24065 | 71.40 -0.44 0.00 | 37.14 -0.45 0.00 | 35.92 -0.48 0.00 | 35.55 -0.42 0.00 | 38.47 -0.48 0.00 | 40.00 -0.43 0.28 | 52.27 -0.17 0.00 | 60.56 -0.33 1.52 | 37.00 -0.17 0.00 | 37.90 -0.06 0.00 | 47.99 0.25 0.00 | 39.08 0.31 0.00 | 40.38 0.42 0.00 | 48.83 0.54 0.00 | 50.57 0.63 0.00 | 57.87 0.77 0.00 | 78.80 0.65 11.08 | 64.01 0.24 1.18 | 61.00 0.58 0.00 | 101.17 0.59 0.00 | 67.68 0.43 0.00 | 43.15 0.21 0.00 | 39.69 -0.07 0.00 | 39.07 -0.19 0.00 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 80.59 1.77 -6.97 | 49.31 1.17 -10.54 | 37.44 1.05 0.00 | 37.05 1.08 0.00 | 40.11 1.16 0.00 | 48.87 1.40 -6.75 | 82.38 2.27 -27.68 | 92.25 3.21 -26.63 | 39.40 1.90 -0.33 | 41.74 1.59 -2.18 | 49.58 1.84 0.00 | 40.31 1.54 0.00 | 41.26 1.31 0.00 | 49.69 1.40 0.00 | 51.73 1.79 0.00 | 70.50 2.45 -10.94 | 95.33 3.28 -2.82 | 98.60 3.32 -30.34 | 94.40 3.51 -30.47 | 142.67 5.46 -36.62 | 82.27 3.64 -11.39 | 66.39 2.23 -21.22 | 42.91 1.84 -1.31 | 44.64 1.51 -3.88 |
| PJM_GEN_VFT_PROXY 323633 | 72.93 1.09 0.00 | 38.36 0.77 0.00 | 37.09 0.69 0.00 | 36.72 0.76 0.00 | 39.67 0.73 0.00 | 41.73 1.02 0.00 | 54.39 1.94 0.00 | 63.86 2.97 1.52 | 38.92 1.75 0.00 | 39.30 1.34 0.00 | 49.24 1.50 0.00 | 40.20 1.43 0.00 | 41.32 1.37 0.00 | 49.80 1.51 0.00 | 51.61 1.67 0.00 | 59.33 2.22 0.00 | 81.60 3.44 11.08 | 66.88 3.11 1.18 | 63.74 3.32 0.00 | 105.65 5.06 0.00 | 70.51 3.27 0.00 | 44.99 2.05 0.00 | 41.44 1.68 0.00 | 40.52 1.27 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 73.97 2.13 0.00 | 38.79 1.20 0.00 | 37.60 1.21 0.00 | 37.13 1.16 0.00 | 40.23 1.29 0.00 | 41.86 1.14 0.00 | 53.92 1.47 0.00 | 63.71 1.30 0.00 | 37.79 0.61 0.00 | 38.61 0.64 0.00 | 48.06 0.32 0.00 | 38.82 0.05 0.00 | 40.10 0.15 0.00 | 48.44 0.15 0.00 | 50.16 0.22 0.00 | 57.58 0.47 0.00 | 88.91 -0.32 0.00 | 64.57 -0.37 0.00 | 60.53 0.11 0.00 | 101.41 0.82 0.00 | 67.76 0.52 0.00 | 42.99 0.06 0.00 | 34.43 -0.42 4.91 | 29.03 -0.49 9.74 |
| PLEASANTVLY___LBMP 24000 | 72.57 0.73 0.00 | 38.18 0.59 0.00 | 36.96 0.57 0.00 | 36.60 0.63 0.00 | 39.54 0.60 0.00 | 41.56 0.84 0.00 | 54.04 1.60 0.00 | 64.86 2.45 0.00 | 38.62 1.45 0.00 | 39.05 1.08 0.00 | 48.90 1.16 0.00 | 39.82 1.05 0.00 | 40.91 0.96 0.00 | 49.28 0.99 0.00 | 51.06 1.12 0.00 | 58.73 1.62 0.00 | 91.89 2.66 0.00 | 67.49 2.54 0.00 | 63.24 2.82 0.00 | 104.85 4.26 0.00 | 70.02 2.78 0.00 | 44.64 1.70 0.00 | 41.18 1.41 0.00 | 40.36 1.11 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 73.12 1.28 0.00 | 38.46 0.87 0.00 | 37.21 0.82 0.00 | 36.84 0.87 0.00 | 39.80 0.86 0.00 | 41.86 1.14 0.00 | 54.49 2.04 0.00 | 65.44 3.03 0.00 | 38.97 1.79 0.00 | 39.38 1.42 0.00 | 49.33 1.59 0.00 | 40.18 1.41 0.00 | 41.29 1.34 0.00 | 49.74 1.45 0.00 | 51.55 1.61 0.00 | 59.29 2.19 0.00 | 92.71 3.48 0.00 | 68.08 3.14 0.00 | 63.79 3.37 0.00 | 105.76 5.17 0.00 | 70.63 3.38 0.00 | 45.03 2.09 0.00 | 41.50 1.74 0.00 | 40.64 1.39 0.00 |
| PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020 | 73.12 1.28 0.00 | 38.46 0.87 0.00 | 37.21 0.82 0.00 | 36.84 0.87 0.00 | 39.80 0.86 0.00 | 41.86 1.14 0.00 | 54.49 2.04 0.00 | 65.44 3.03 0.00 | 38.97 1.79 0.00 | 39.38 1.42 0.00 | 49.33 1.59 0.00 | 40.18 1.41 0.00 | 41.29 1.34 0.00 | 49.74 1.45 0.00 | 51.55 1.61 0.00 | 59.29 2.19 0.00 | 92.71 3.48 0.00 | 68.08 3.14 0.00 | 63.79 3.37 0.00 | 105.76 5.17 0.00 | 70.63 3.38 0.00 | 45.03 2.09 0.00 | 41.50 1.74 0.00 | 40.64 1.39 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 73.15 1.31 0.00 | 38.46 0.87 0.00 | 37.24 0.84 0.00 | 36.86 0.89 0.00 | 39.83 0.90 0.00 | 41.90 1.18 0.00 | 54.53 2.09 0.00 | 65.47 3.06 0.00 | 38.94 1.77 0.00 | 39.30 1.34 0.00 | 49.20 1.46 0.00 | 40.03 1.26 0.00 | 41.07 1.12 0.00 | 49.47 1.17 0.00 | 51.29 1.36 0.00 | 59.10 1.99 0.00 | 92.66 3.43 0.00 | 68.15 3.21 0.00 | 63.92 3.50 0.00 | 106.06 5.48 0.00 | 70.82 3.58 0.00 | 45.11 2.18 0.00 | 41.56 1.81 0.00 | 40.73 1.47 0.00 |
| POLETTI___ 23519 | 73.27 1.43 0.00 | 38.55 0.96 0.00 | 37.27 0.88 0.00 | 36.89 0.93 0.00 | 39.85 0.91 0.00 | 41.90 1.19 0.00 | 54.60 2.16 0.00 | 65.64 3.23 0.00 | 39.13 1.96 0.00 | 39.54 1.58 0.00 | 49.53 1.79 0.00 | 40.42 1.65 0.00 | 41.54 1.59 0.00 | 50.04 1.75 0.00 | 51.85 1.91 0.00 | 59.60 2.50 0.00 | 93.09 3.86 0.00 | 68.34 3.40 0.00 | 64.04 3.62 0.00 | 106.15 5.56 0.00 | 70.81 3.56 0.00 | 45.20 2.26 0.00 | 41.62 1.87 0.00 | 40.74 1.48 0.00 |
| POMONA___ESR 323819 | 72.81 0.97 0.00 | 38.23 0.64 0.00 | 36.95 0.56 0.00 | 36.61 0.65 0.00 | 39.59 0.65 0.00 | 41.68 0.96 0.00 | 54.24 1.80 0.00 | 65.12 2.71 0.00 | 38.70 1.52 0.00 | 39.09 1.12 0.00 | 48.95 1.21 0.00 | 39.90 1.13 0.00 | 41.04 1.09 0.00 | 49.46 1.17 0.00 | 51.34 1.41 0.00 | 59.13 2.02 0.00 | 92.36 3.13 0.00 | 67.68 2.74 0.00 | 63.34 2.92 0.00 | 105.07 4.48 0.00 | 70.20 2.95 0.00 | 44.75 1.82 0.00 | 41.26 1.50 0.00 | 40.38 1.13 0.00 |
| PORT_JEFF_3 23555 | 82.61 2.83 -7.94 | 50.73 1.65 -11.49 | 37.80 1.41 0.00 | 37.36 1.39 0.00 | 40.43 1.49 0.00 | 51.23 1.79 -8.72 | 87.37 2.80 -32.13 | 96.92 3.82 -30.69 | 40.83 2.19 -1.47 | 42.20 1.86 -2.38 | 49.82 2.07 0.00 | 40.39 1.63 0.00 | 41.21 1.26 0.00 | 49.56 1.27 0.00 | 51.73 1.79 0.00 | 71.76 2.73 -11.92 | 108.32 3.93 -15.16 | 103.35 4.06 -34.35 | 97.87 4.19 -33.26 | 146.47 6.31 -39.58 | 85.85 4.37 -14.24 | 74.36 2.72 -28.71 | 47.56 2.17 -5.63 | 48.56 1.81 -7.50 |

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| PORT_JEFF_4 23616 | 82.61 2.83 -7.94 | 50.73 1.65 -11.49 | 37.80 1.41 0.00 | 37.36 1.39 0.00 | 40.43 1.49 0.00 | 51.23 1.79 -8.72 | 87.37 2.80 -32.13 | 96.92 3.82 -30.69 | 40.83 2.19 -1.47 | 42.20 1.86 -2.38 | 49.82 2.07 0.00 | 40.39 1.63 0.00 | 41.21 1.26 0.00 | 49.56 1.27 0.00 | 51.73 1.79 0.00 | 71.76 2.73 -11.92 | 108.32 3.93 -15.16 | 103.35 4.06 -34.35 | 97.87 4.19 -33.26 | 146.47 6.31 -39.58 | 85.85 4.37 -14.24 | 74.36 2.72 -28.71 | 47.56 2.17 -5.63 | 48.56 1.81 -7.50 |
| PORT_JEFF_IC 23713 | 82.64 2.84 -7.96 | 50.75 1.65 -11.51 | 37.80 1.41 0.00 | 37.35 1.39 0.00 | 40.43 1.49 0.00 | 51.27 1.79 -8.76 | 87.48 2.81 -32.23 | 97.03 3.87 -30.75 | 40.88 2.21 -1.49 | 42.21 1.87 -2.38 | 49.82 2.08 0.00 | 40.40 1.63 0.00 | 41.22 1.26 0.00 | 49.56 1.27 0.00 | 51.73 1.79 0.00 | 71.78 2.73 -11.94 | 108.30 3.88 -15.19 | 103.35 3.98 -34.43 | 97.91 4.13 -33.37 | 146.59 6.24 -39.76 | 86.06 4.40 -14.41 | 74.87 2.77 -29.16 | 47.85 2.20 -5.89 | 48.80 1.82 -7.73 |
| PPL PILGRIM_ST_GT1 24216 | 82.55 2.68 -8.02 | 50.82 1.66 -11.57 | 37.85 1.45 0.00 | 37.42 1.46 0.00 | 40.54 1.60 0.00 | 51.46 1.85 -8.90 | 87.74 2.77 -32.52 | 96.90 3.58 -30.91 | 40.92 2.17 -1.57 | 42.26 1.90 -2.40 | 49.98 2.23 0.00 | 40.55 1.78 0.00 | 41.40 1.44 0.00 | 49.80 1.51 0.00 | 51.99 2.06 0.00 | 72.05 2.94 -12.00 | 108.37 3.87 -15.26 | 103.26 3.70 -34.62 | 97.88 3.79 -33.67 | 147.18 6.06 -40.53 | 86.61 4.17 -15.19 | 76.95 2.80 -31.21 | 49.16 2.31 -7.09 | 50.00 1.98 -8.77 |
| PPL PILGRIM_ST_GT2 24217 | 82.55 2.68 -8.02 | 50.82 1.66 -11.57 | 37.85 1.45 0.00 | 37.42 1.46 0.00 | 40.54 1.60 0.00 | 51.46 1.85 -8.90 | 87.74 2.77 -32.52 | 96.90 3.58 -30.91 | 40.92 2.17 -1.57 | 42.26 1.90 -2.40 | 49.98 2.23 0.00 | 40.55 1.78 0.00 | 41.40 1.44 0.00 | 49.80 1.51 0.00 | 51.99 2.06 0.00 | 72.05 2.94 -12.00 | 108.37 3.87 -15.26 | 103.26 3.70 -34.62 | 97.88 3.79 -33.67 | 147.18 6.06 -40.53 | 86.61 4.17 -15.19 | 76.95 2.80 -31.21 | 49.16 2.31 -7.09 | 50.00 1.98 -8.77 |
| PPL_SHRM_GT3 24213 | 82.65 2.87 -7.95 | 50.73 1.64 -11.50 | 37.75 1.35 0.00 | 37.26 1.30 0.00 | 40.30 1.36 0.00 | 51.15 1.69 -8.74 | 87.29 2.68 -32.17 | 96.83 3.70 -30.72 | 40.75 2.09 -1.48 | 42.08 1.74 -2.38 | 49.60 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.24 0.95 0.00 | 51.41 1.47 0.00 | 71.40 2.36 -11.93 | 108.20 3.80 -15.17 | 103.50 4.17 -34.38 | 97.98 4.25 -33.30 | 146.73 6.51 -39.63 | 86.13 4.59 -14.29 | 74.55 2.77 -28.85 | 47.52 2.04 -5.71 | 48.49 1.66 -7.57 |
| PPL_SHRM_GT4 24214 | 82.65 2.87 -7.95 | 50.73 1.64 -11.50 | 37.75 1.35 0.00 | 37.26 1.30 0.00 | 40.30 1.36 0.00 | 51.15 1.69 -8.74 | 87.29 2.68 -32.17 | 96.83 3.70 -30.72 | 40.75 2.09 -1.48 | 42.08 1.74 -2.38 | 49.60 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.24 0.95 0.00 | 51.41 1.47 0.00 | 71.40 2.36 -11.93 | 108.20 3.80 -15.17 | 103.50 4.17 -34.38 | 97.98 4.25 -33.30 | 146.73 6.51 -39.63 | 86.13 4.59 -14.29 | 74.55 2.77 -28.85 | 47.52 2.04 -5.71 | 48.49 1.66 -7.57 |
| PROJECT___ORANGE 1 24174 | 71.47 -0.37 0.00 | 37.31 -0.28 0.00 | 36.12 -0.28 0.00 | 35.70 -0.27 0.00 | 38.67 -0.27 0.00 | 40.42 -0.29 0.00 | 52.15 -0.29 0.00 | 61.93 -0.48 0.00 | 36.89 -0.28 0.00 | 37.75 -0.21 0.00 | 47.65 -0.10 0.00 | 38.66 -0.11 0.00 | 39.90 -0.05 0.00 | 48.34 0.05 0.00 | 49.98 0.05 0.00 | 57.05 -0.05 0.00 | 88.97 -0.26 0.00 | 64.66 -0.28 0.00 | 60.33 -0.09 0.00 | 100.32 -0.27 0.00 | 67.08 -0.17 0.00 | 42.77 -0.16 0.00 | 39.58 -0.18 0.00 | 39.13 -0.12 0.00 |
| PROJECT___ORANGE 2 24166 | 71.47 -0.37 0.00 | 37.31 -0.28 0.00 | 36.12 -0.28 0.00 | 35.70 -0.27 0.00 | 38.67 -0.27 0.00 | 40.42 -0.29 0.00 | 52.15 -0.29 0.00 | 61.93 -0.48 0.00 | 36.89 -0.28 0.00 | 37.75 -0.21 0.00 | 47.65 -0.10 0.00 | 38.66 -0.11 0.00 | 39.90 -0.05 0.00 | 48.34 0.05 0.00 | 49.98 0.05 0.00 | 57.05 -0.05 0.00 | 88.97 -0.26 0.00 | 64.66 -0.28 0.00 | 60.33 -0.09 0.00 | 100.32 -0.27 0.00 | 67.08 -0.17 0.00 | 42.77 -0.16 0.00 | 39.58 -0.18 0.00 | 39.13 -0.12 0.00 |
| PUCKETT___SOLAR 323809 | 72.93 1.09 0.00 | 38.03 0.44 0.00 | 36.82 0.43 0.00 | 36.45 0.48 0.00 | 39.46 0.53 0.00 | 41.36 0.64 0.00 | 53.58 1.14 0.00 | 63.63 1.22 0.00 | 37.70 0.52 0.00 | 38.29 0.32 0.00 | 48.72 0.98 0.00 | 39.49 0.72 0.00 | 40.49 0.54 0.00 | 48.98 0.69 0.00 | 50.72 0.78 0.00 | 58.02 0.91 0.00 | 90.10 0.86 0.00 | 65.37 0.42 0.00 | 61.04 0.62 0.00 | 101.47 0.88 0.00 | 67.77 0.52 0.00 | 43.12 0.18 0.00 | 39.68 -0.08 0.00 | 39.11 -0.14 0.00 |
| PYRITES___HYD 24023 | 74.89 3.05 0.00 | 39.03 1.44 0.00 | 37.77 1.37 0.00 | 37.27 1.31 0.00 | 40.40 1.46 0.00 | 42.22 1.50 0.00 | 54.46 2.01 0.00 | 64.42 2.01 0.00 | 37.92 0.75 0.00 | 38.43 0.46 0.00 | 47.95 0.21 0.00 | 38.86 0.08 0.00 | 40.41 0.46 0.00 | 48.94 0.64 0.00 | 50.65 0.72 0.00 | 58.12 1.02 0.00 | 91.08 1.85 0.00 | 66.17 1.23 0.00 | 61.32 0.90 0.00 | 103.07 2.48 0.00 | 68.98 1.74 0.00 | 43.85 0.91 0.00 | 41.19 0.70 -0.73 | 41.36 0.66 -1.45 |
| QUAKERRD_115KV_BK1 80622 | 70.10 -1.74 0.00 | 36.37 -1.22 0.00 | 35.23 -1.17 0.00 | 34.77 -1.20 0.00 | 37.69 -1.24 0.00 | 39.37 -1.34 0.00 | 50.76 -1.68 0.00 | 59.69 -2.72 0.00 | 35.66 -1.52 0.00 | 36.99 -0.97 0.00 | 47.01 -0.74 0.00 | 38.04 -0.73 0.00 | 39.45 -0.50 0.00 | 47.96 -0.33 0.00 | 49.69 -0.25 0.00 | 56.58 -0.53 0.00 | 87.89 -1.34 0.00 | 63.38 -1.56 0.00 | 59.08 -1.34 0.00 | 98.27 -2.31 0.00 | 65.81 -1.44 0.00 | 41.98 -0.96 0.00 | 38.67 -1.09 0.00 | 38.20 -1.06 0.00 |
| QUEENSBRY_115KV_TB8 356137 | 75.20 3.36 0.00 | 39.64 2.05 0.00 | 38.32 1.92 0.00 | 37.90 1.93 0.00 | 40.98 2.04 0.00 | 42.92 2.20 0.00 | 56.17 3.73 0.00 | 67.48 5.07 0.00 | 40.06 2.89 0.00 | 40.40 2.44 0.00 | 50.49 2.75 0.00 | 40.78 2.00 0.00 | 41.90 1.95 0.00 | 50.61 2.32 0.00 | 52.33 2.39 0.00 | 60.17 3.06 0.00 | 95.05 5.82 0.00 | 70.16 5.21 0.00 | 65.95 5.53 0.00 | 109.03 8.44 0.00 | 72.68 5.44 0.00 | 46.21 3.27 0.00 | 42.82 3.06 0.00 | 42.07 2.82 0.00 |
| RAMAPO___LBMP 323565 | 72.52 0.67 0.00 | 38.07 0.48 0.00 | 36.80 0.40 0.00 | 36.46 0.50 0.00 | 39.44 0.50 0.00 | 41.49 0.77 0.00 | 53.98 1.54 0.00 | 64.78 2.37 0.00 | 38.49 1.32 0.00 | 38.86 0.90 0.00 | 48.67 0.93 0.00 | 39.68 0.91 0.00 | 40.83 0.87 0.00 | 49.22 0.93 0.00 | 51.05 1.12 0.00 | 58.77 1.66 0.00 | 91.88 2.65 0.00 | 67.34 2.40 0.00 | 63.03 2.61 0.00 | 104.55 3.96 0.00 | 69.86 2.62 0.00 | 44.53 1.60 0.00 | 41.08 1.32 0.00 | 40.20 0.94 0.00 |
| RANKINE____ 23646 | 71.40 -0.44 0.00 | 36.70 -0.89 0.00 | 35.56 -0.84 0.00 | 35.01 -0.95 0.00 | 37.99 -0.95 0.00 | 39.58 -1.14 0.00 | 50.85 -1.59 0.00 | 58.89 -3.52 0.00 | 35.34 -1.83 0.00 | 37.27 -0.69 0.00 | 47.90 0.15 0.00 | 38.65 -0.12 0.00 | 40.27 0.31 0.00 | 49.17 0.88 0.00 | 50.96 1.03 0.00 | 57.76 0.65 0.00 | 89.16 -0.08 0.00 | 63.57 -1.37 0.00 | 59.35 -1.06 0.00 | 98.63 -1.96 0.00 | 66.21 -1.04 0.00 | 42.35 -0.58 0.00 | 38.77 -0.99 0.00 | 38.44 -0.82 0.00 |
| RAVENSWOOD_GT2_1 24244 | 73.35 1.51 0.00 | 38.56 0.97 0.00 | 37.30 0.91 0.00 | 36.92 0.95 0.00 | 39.89 0.95 0.00 | 41.96 1.24 0.00 | 54.65 2.21 0.00 | 65.70 3.29 0.00 | 39.17 1.99 0.00 | 39.56 1.60 0.00 | 49.58 1.83 0.00 | 40.43 1.66 0.00 | 41.55 1.60 0.00 | 50.05 1.76 0.00 | 51.87 1.93 0.00 | 59.64 2.53 0.00 | 93.13 3.89 0.00 | 68.39 3.45 0.00 | 64.09 3.67 0.00 | 106.20 5.62 0.00 | 70.88 3.64 0.00 | 45.23 2.30 0.00 | 41.65 1.90 0.00 | 40.76 1.51 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| RAVENSWOOD_GT2_2 24245 | 73.35 1.51 0.00 | 38.56 0.97 0.00 | 37.30 0.91 0.00 | 36.92 0.95 0.00 | 39.89 0.95 0.00 | 41.96 1.24 0.00 | 54.65 2.21 0.00 | 65.70 3.29 0.00 | 39.17 1.99 0.00 | 39.56 1.60 0.00 | 49.58 1.83 0.00 | 40.43 1.66 0.00 | 41.55 1.60 0.00 | 50.05 1.76 0.00 | 51.87 1.93 0.00 | 59.64 2.53 0.00 | 93.13 3.89 0.00 | 68.39 3.45 0.00 | 64.09 3.67 0.00 | 106.20 5.62 0.00 | 70.88 3.64 0.00 | 45.23 2.30 0.00 | 41.65 1.90 0.00 | 40.76 1.51 0.00 |
| RAVENSWOOD_GT2_3 24246 | 73.40 1.56 0.00 | 38.58 0.99 0.00 | 37.32 0.92 0.00 | 36.94 0.97 0.00 | 39.91 0.97 0.00 | 41.97 1.26 0.00 | 54.68 2.24 0.00 | 65.73 3.32 0.00 | 39.18 2.01 0.00 | 39.59 1.62 0.00 | 49.60 1.85 0.00 | 40.46 1.69 0.00 | 41.58 1.63 0.00 | 50.10 1.80 0.00 | 51.91 1.97 0.00 | 59.68 2.57 0.00 | 93.20 3.97 0.00 | 68.42 3.48 0.00 | 64.11 3.69 0.00 | 106.27 5.68 0.00 | 70.93 3.68 0.00 | 45.26 2.32 0.00 | 41.69 1.93 0.00 | 40.78 1.53 0.00 |
| RAVENSWOOD_GT2_4 24247 | 73.40 1.56 0.00 | 38.58 0.99 0.00 | 37.32 0.92 0.00 | 36.94 0.97 0.00 | 39.91 0.97 0.00 | 41.97 1.26 0.00 | 54.68 2.24 0.00 | 65.73 3.32 0.00 | 39.18 2.01 0.00 | 39.59 1.62 0.00 | 49.60 1.85 0.00 | 40.46 1.69 0.00 | 41.58 1.63 0.00 | 50.10 1.80 0.00 | 51.91 1.97 0.00 | 59.68 2.57 0.00 | 93.20 3.97 0.00 | 68.42 3.48 0.00 | 64.11 3.69 0.00 | 106.27 5.68 0.00 | 70.93 3.68 0.00 | 45.26 2.32 0.00 | 41.69 1.93 0.00 | 40.78 1.53 0.00 |
| RAVENSWOOD_GT3_1 24248 | 73.36 1.52 0.00 | 38.57 0.97 0.00 | 37.30 0.91 0.00 | 36.92 0.96 0.00 | 39.89 0.95 0.00 | 41.96 1.25 0.00 | 54.65 2.21 0.00 | 65.71 3.30 0.00 | 39.17 2.00 0.00 | 39.57 1.60 0.00 | 49.58 1.83 0.00 | 40.44 1.67 0.00 | 41.56 1.61 0.00 | 50.06 1.77 0.00 | 51.88 1.94 0.00 | 59.65 2.54 0.00 | 93.17 3.94 0.00 | 68.40 3.46 0.00 | 64.10 3.68 0.00 | 106.23 5.64 0.00 | 70.89 3.64 0.00 | 45.24 2.31 0.00 | 41.66 1.90 0.00 | 40.76 1.51 0.00 |
| RAVENSWOOD_GT3_2 24249 | 73.36 1.52 0.00 | 38.57 0.97 0.00 | 37.30 0.91 0.00 | 36.92 0.96 0.00 | 39.89 0.95 0.00 | 41.96 1.25 0.00 | 54.65 2.21 0.00 | 65.71 3.30 0.00 | 39.17 2.00 0.00 | 39.57 1.60 0.00 | 49.58 1.83 0.00 | 40.44 1.67 0.00 | 41.56 1.61 0.00 | 50.06 1.77 0.00 | 51.88 1.94 0.00 | 59.65 2.54 0.00 | 93.17 3.94 0.00 | 68.40 3.46 0.00 | 64.10 3.68 0.00 | 106.23 5.64 0.00 | 70.89 3.64 0.00 | 45.24 2.31 0.00 | 41.66 1.90 0.00 | 40.76 1.51 0.00 |
| RAVENSWOOD_GT3_3 24250 | 73.47 1.63 0.00 | 38.62 1.03 0.00 | 37.35 0.96 0.00 | 36.98 1.01 0.00 | 39.94 1.01 0.00 | 42.02 1.30 0.00 | 54.75 2.31 0.00 | 65.81 3.40 0.00 | 39.23 2.05 0.00 | 39.63 1.67 0.00 | 49.67 1.93 0.00 | 40.51 1.74 0.00 | 41.63 1.68 0.00 | 50.15 1.86 0.00 | 51.97 2.04 0.00 | 59.76 2.65 0.00 | 93.30 4.07 0.00 | 68.51 3.57 0.00 | 64.21 3.79 0.00 | 106.38 5.80 0.00 | 71.01 3.76 0.00 | 45.31 2.37 0.00 | 41.73 1.97 0.00 | 40.83 1.58 0.00 |
| RAVENSWOOD_GT3_4 24251 | 73.47 1.63 0.00 | 38.62 1.03 0.00 | 37.35 0.96 0.00 | 36.98 1.01 0.00 | 39.94 1.01 0.00 | 42.02 1.30 0.00 | 54.75 2.31 0.00 | 65.81 3.40 0.00 | 39.23 2.05 0.00 | 39.63 1.67 0.00 | 49.67 1.93 0.00 | 40.51 1.74 0.00 | 41.63 1.68 0.00 | 50.15 1.86 0.00 | 51.97 2.04 0.00 | 59.76 2.65 0.00 | 93.30 4.07 0.00 | 68.51 3.57 0.00 | 64.21 3.79 0.00 | 106.38 5.80 0.00 | 71.01 3.76 0.00 | 45.31 2.37 0.00 | 41.73 1.97 0.00 | 40.83 1.58 0.00 |
| RAVENSWOOD_GT_1 23729 | 76.16 1.82 -2.50 | 42.57 1.14 -3.83 | 41.40 1.06 -3.95 | 41.08 1.10 -4.01 | 43.44 1.11 -3.40 | 45.21 1.42 -3.07 | 56.79 2.43 -1.92 | 67.55 3.56 -1.58 | 43.44 2.20 -4.06 | 43.68 1.80 -3.92 | 52.32 2.07 -2.51 | 44.34 1.89 -3.68 | 44.82 1.80 -3.07 | 52.74 2.00 -2.45 | 54.33 2.19 -2.20 | 61.27 2.82 -1.34 | 95.98 4.30 -2.45 | 75.22 3.72 -6.56 | 71.78 3.92 -7.44 | 106.57 5.98 0.00 | 71.99 3.90 -0.84 | 49.01 2.50 -3.58 | 45.01 2.06 -3.19 | 44.14 1.67 -3.22 |
| RAVENSWOOD_GT_10 24258 | 73.64 1.51 -0.29 | 39.00 0.97 -0.44 | 37.76 0.91 -0.45 | 37.38 0.95 -0.46 | 40.28 0.95 -0.39 | 42.30 1.23 -0.35 | 54.87 2.21 -0.22 | 65.88 3.29 -0.18 | 39.62 1.99 -0.46 | 40.01 1.60 -0.45 | 49.87 1.83 -0.29 | 40.86 1.66 -0.43 | 41.90 1.60 -0.35 | 50.33 1.76 -0.28 | 52.13 1.94 -0.25 | 59.80 2.53 -0.16 | 93.43 3.91 -0.28 | 69.15 3.45 -0.76 | 64.95 3.67 -0.86 | 106.21 5.63 0.00 | 70.98 3.64 -0.10 | 45.64 2.30 -0.41 | 42.02 1.90 -0.37 | 41.13 1.51 -0.37 |
| RAVENSWOOD_GT_11 24259 | 73.64 1.51 -0.29 | 39.00 0.97 -0.44 | 37.76 0.91 -0.45 | 37.38 0.95 -0.46 | 40.28 0.95 -0.39 | 42.30 1.23 -0.35 | 54.87 2.21 -0.22 | 65.88 3.29 -0.18 | 39.62 1.99 -0.46 | 40.01 1.60 -0.45 | 49.87 1.83 -0.29 | 40.86 1.66 -0.43 | 41.90 1.60 -0.35 | 50.33 1.76 -0.28 | 52.13 1.94 -0.25 | 59.80 2.53 -0.16 | 93.43 3.91 -0.28 | 69.15 3.45 -0.76 | 64.95 3.67 -0.86 | 106.21 5.63 0.00 | 70.98 3.64 -0.10 | 45.64 2.30 -0.41 | 42.02 1.90 -0.37 | 41.13 1.51 -0.37 |
| RAVENSWOOD_GT_4 24252 | 75.23 1.48 -1.90 | 41.47 0.96 -2.92 | 40.29 0.89 -3.00 | 39.96 0.94 -3.05 | 42.45 0.93 -2.59 | 44.27 1.22 -2.34 | 56.08 2.18 -1.46 | 66.87 3.25 -1.20 | 42.15 1.96 -3.02 | 42.53 1.58 -2.98 | 51.47 1.81 -1.91 | 43.22 1.64 -2.81 | 43.88 1.59 -2.34 | 51.91 1.76 -1.86 | 53.53 1.92 -1.68 | 60.64 2.51 -1.02 | 94.99 3.89 -1.87 | 73.36 3.43 -4.99 | 69.73 3.65 -5.66 | 106.17 5.58 0.00 | 71.51 3.62 -0.64 | 47.94 2.28 -2.72 | 44.08 1.89 -2.43 | 43.19 1.49 -2.45 |
| RAVENSWOOD_GT_5 24254 | 75.23 1.48 -1.90 | 41.47 0.96 -2.92 | 40.29 0.89 -3.00 | 39.96 0.94 -3.05 | 42.45 0.93 -2.59 | 44.27 1.22 -2.34 | 56.08 2.18 -1.46 | 66.87 3.25 -1.20 | 42.15 1.96 -3.02 | 42.53 1.58 -2.98 | 51.47 1.81 -1.91 | 43.22 1.64 -2.81 | 43.88 1.59 -2.34 | 51.91 1.76 -1.86 | 53.53 1.92 -1.68 | 60.64 2.51 -1.02 | 94.99 3.89 -1.87 | 73.36 3.43 -4.99 | 69.73 3.65 -5.66 | 106.17 5.58 0.00 | 71.51 3.62 -0.64 | 47.94 2.28 -2.72 | 44.08 1.89 -2.43 | 43.19 1.49 -2.45 |
| RAVENSWOOD_GT_6 24253 | 75.23 1.48 -1.90 | 41.47 0.96 -2.92 | 40.29 0.89 -3.00 | 39.96 0.94 -3.05 | 42.45 0.93 -2.59 | 44.27 1.22 -2.34 | 56.08 2.18 -1.46 | 66.87 3.25 -1.20 | 42.15 1.96 -3.02 | 42.53 1.58 -2.98 | 51.47 1.81 -1.91 | 43.22 1.64 -2.81 | 43.88 1.59 -2.34 | 51.91 1.76 -1.86 | 53.53 1.92 -1.68 | 60.64 2.51 -1.02 | 94.99 3.89 -1.87 | 73.36 3.43 -4.99 | 69.73 3.65 -5.66 | 106.17 5.58 0.00 | 71.51 3.62 -0.64 | 47.94 2.28 -2.72 | 44.08 1.89 -2.43 | 43.19 1.49 -2.45 |
| RAVENSWOOD_GT_7 24255 | 75.23 1.48 -1.90 | 41.47 0.96 -2.92 | 40.29 0.89 -3.00 | 39.96 0.94 -3.05 | 42.45 0.93 -2.59 | 44.27 1.22 -2.34 | 56.08 2.18 -1.46 | 66.87 3.25 -1.20 | 42.15 1.96 -3.02 | 42.53 1.58 -2.98 | 51.47 1.81 -1.91 | 43.22 1.64 -2.81 | 43.88 1.59 -2.34 | 51.91 1.76 -1.86 | 53.53 1.92 -1.68 | 60.64 2.51 -1.02 | 94.99 3.89 -1.87 | 73.36 3.43 -4.99 | 69.73 3.65 -5.66 | 106.17 5.58 0.00 | 71.51 3.62 -0.64 | 47.94 2.28 -2.72 | 44.08 1.89 -2.43 | 43.19 1.49 -2.45 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 73.64 1.51 -0.29 | 39.00 0.97 -0.44 | 37.76 0.91 -0.45 | 37.38 0.95 -0.46 | 40.28 0.95 -0.39 | 42.30 1.23 -0.35 | 54.87 2.21 -0.22 | 65.88 3.29 -0.18 | 39.62 1.99 -0.46 | 40.01 1.60 -0.45 | 49.87 1.83 -0.29 | 40.86 1.66 -0.43 | 41.90 1.60 -0.35 | 50.33 1.76 -0.28 | 52.13 1.94 -0.25 | 59.80 2.53 -0.16 | 93.43 3.91 -0.28 | 69.15 3.45 -0.76 | 64.95 3.67 -0.86 | 106.21 5.63 0.00 | 70.98 3.64 -0.10 | 45.64 2.30 -0.41 | 42.02 1.90 -0.37 | 41.13 1.51 -0.37 |

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| RAVENSWOOD_GT_9 24257 | 73.64 1.51 -0.29 | 39.00 0.97 -0.44 | 37.76 0.91 -0.45 | 37.38 0.95 -0.46 | 40.28 0.95 -0.39 | 42.30 1.23 -0.35 | 54.87 2.21 -0.22 | 65.88 3.29 -0.18 | 39.62 1.99 -0.46 | 40.01 1.60 -0.45 | 49.87 1.83 -0.29 | 40.86 1.66 -0.43 | 41.90 1.60 -0.35 | 50.33 1.76 -0.28 | 52.13 1.94 -0.25 | 59.80 2.53 -0.16 | 93.43 3.91 -0.28 | 69.15 3.45 -0.76 | 64.95 3.67 -0.86 | 106.21 5.63 0.00 | 70.98 3.64 -0.10 | 45.64 2.30 -0.41 | 42.02 1.90 -0.37 | 41.13 1.51 -0.37 |
| RAVENSWOOD___1 23533 | 71.11 1.73 2.46 | 34.90 1.08 3.77 | 33.52 1.01 3.88 | 33.07 1.05 3.94 | 36.66 1.06 3.34 | 39.06 1.37 3.03 | 52.92 2.37 1.89 | 64.34 3.49 1.56 | 35.42 2.15 3.90 | 35.82 1.72 3.86 | 47.25 1.97 2.47 | 36.94 1.80 3.63 | 38.64 1.72 3.03 | 47.78 1.90 2.41 | 49.85 2.08 2.17 | 58.49 2.71 1.32 | 90.93 4.12 2.42 | 62.08 3.59 6.45 | 56.93 3.83 7.32 | 106.43 5.85 0.00 | 70.22 3.81 0.83 | 41.84 2.43 3.52 | 38.63 2.02 3.15 | 37.72 1.63 3.16 |
| RAVENSWOOD___2 23534 | 71.11 1.73 2.46 | 34.90 1.08 3.77 | 33.52 1.01 3.88 | 33.07 1.05 3.94 | 36.66 1.06 3.34 | 39.06 1.37 3.03 | 52.92 2.37 1.89 | 64.34 3.49 1.56 | 35.42 2.15 3.90 | 35.82 1.72 3.86 | 47.25 1.97 2.47 | 36.94 1.80 3.63 | 38.64 1.72 3.03 | 47.78 1.90 2.41 | 49.85 2.08 2.17 | 58.49 2.71 1.32 | 90.93 4.12 2.42 | 62.08 3.59 6.45 | 56.93 3.83 7.32 | 106.43 5.85 0.00 | 70.22 3.81 0.83 | 41.84 2.43 3.52 | 38.63 2.02 3.15 | 37.72 1.63 3.16 |
| RAVENSWOOD___3 23535 | 73.36 1.52 0.00 | 38.57 0.98 0.00 | 37.30 0.91 0.00 | 36.93 0.96 0.00 | 39.89 0.96 0.00 | 41.97 1.25 0.00 | 54.66 2.22 0.00 | 65.70 3.30 0.00 | 39.17 1.99 0.00 | 39.58 1.62 0.00 | 49.58 1.83 0.00 | 40.45 1.68 0.00 | 41.56 1.61 0.00 | 50.07 1.77 0.00 | 51.88 1.95 0.00 | 59.66 2.55 0.00 | 93.17 3.94 0.00 | 68.40 3.46 0.00 | 64.10 3.68 0.00 | 106.24 5.66 0.00 | 70.89 3.64 0.00 | 45.24 2.30 0.00 | 41.66 1.91 0.00 | 40.77 1.51 0.00 |
| RAVENSWOOD___4 23820 | 71.11 1.73 2.46 | 34.90 1.08 3.77 | 33.52 1.01 3.88 | 33.07 1.05 3.94 | 36.66 1.06 3.34 | 39.06 1.37 3.03 | 52.92 2.37 1.89 | 64.34 3.49 1.56 | 35.42 2.15 3.90 | 35.82 1.72 3.86 | 47.25 1.97 2.47 | 36.94 1.80 3.63 | 38.64 1.72 3.03 | 47.78 1.90 2.41 | 49.85 2.08 2.17 | 58.49 2.71 1.32 | 90.93 4.12 2.42 | 62.08 3.59 6.45 | 56.93 3.83 7.32 | 106.43 5.85 0.00 | 70.22 3.81 0.83 | 41.84 2.43 3.52 | 38.63 2.02 3.15 | 37.72 1.63 3.16 |
| RCPL_TRUST___DRP 24196 | 73.27 1.43 0.00 | 38.53 0.94 0.00 | 37.27 0.87 0.00 | 36.90 0.94 0.00 | 39.86 0.92 0.00 | 41.93 1.21 0.00 | 54.61 2.17 0.00 | 65.67 3.25 0.00 | 39.14 1.96 0.00 | 39.55 1.58 0.00 | 49.58 1.83 0.00 | 40.43 1.66 0.00 | 41.55 1.60 0.00 | 50.06 1.77 0.00 | 51.86 1.93 0.00 | 59.62 2.51 0.00 | 93.12 3.88 0.00 | 68.37 3.42 0.00 | 64.06 3.64 0.00 | 106.18 5.60 0.00 | 70.84 3.60 0.00 | 45.20 2.27 0.00 | 41.62 1.86 0.00 | 40.72 1.47 0.00 |
| RED___ROCHESTER 323720 | 72.19 0.35 0.00 | 37.36 -0.23 0.00 | 36.20 -0.20 0.00 | 35.70 -0.27 0.00 | 38.72 -0.21 0.00 | 40.45 -0.27 0.00 | 52.21 -0.24 0.00 | 61.19 -1.22 0.00 | 36.60 -0.57 0.00 | 38.08 0.12 0.00 | 48.38 0.64 0.00 | 39.12 0.35 0.00 | 40.63 0.68 0.00 | 49.43 1.14 0.00 | 51.23 1.29 0.00 | 58.29 1.19 0.00 | 90.44 1.21 0.00 | 65.11 0.16 0.00 | 60.71 0.29 0.00 | 101.05 0.46 0.00 | 67.72 0.47 0.00 | 43.20 0.26 0.00 | 39.71 -0.05 0.00 | 39.21 -0.05 0.00 |
| REGAN___SOLAR 323812 | 76.00 4.16 0.00 | 39.76 2.17 0.00 | 38.49 2.09 0.00 | 38.07 2.10 0.00 | 41.26 2.32 0.00 | 43.32 2.60 0.00 | 56.26 3.82 0.00 | 66.80 4.39 0.00 | 38.95 1.77 0.00 | 39.15 1.19 0.00 | 50.06 2.31 0.00 | 40.23 1.46 0.00 | 41.02 1.07 0.00 | 49.73 1.44 0.00 | 51.27 1.33 0.00 | 59.11 2.00 0.00 | 94.24 5.01 0.00 | 69.22 4.28 0.00 | 64.76 4.34 0.00 | 107.75 7.16 0.00 | 72.09 4.85 0.00 | 45.90 2.96 0.00 | 42.29 2.54 0.00 | 41.58 2.33 0.00 |
| RENSSELAER___COGEN 23796 | 70.83 -1.01 0.00 | 37.46 -0.13 0.00 | 36.30 -0.09 0.00 | 35.92 -0.04 0.00 | 38.76 -0.17 0.00 | 40.61 -0.11 0.00 | 52.65 0.20 0.00 | 63.09 0.68 0.00 | 37.51 0.34 0.00 | 38.06 0.09 0.00 | 47.62 -0.12 0.00 | 38.73 -0.04 0.00 | 39.82 -0.13 0.00 | 48.01 -0.28 0.00 | 49.59 -0.35 0.00 | 56.96 -0.15 0.00 | 89.79 0.56 0.00 | 65.95 1.01 0.00 | 61.54 1.12 0.00 | 102.04 1.45 0.00 | 68.10 0.86 0.00 | 43.45 0.52 0.00 | 40.32 0.56 0.00 | 39.66 0.40 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 78.61 6.77 0.00 | 41.60 4.01 0.00 | 40.03 3.64 0.00 | 39.49 3.52 0.00 | 42.81 3.87 0.00 | 44.53 3.81 0.00 | 58.60 6.16 0.00 | 70.64 8.23 0.00 | 42.08 4.91 0.00 | 42.36 4.40 0.00 | 52.64 4.90 0.00 | 42.18 3.41 0.00 | 43.45 3.50 0.00 | 52.68 4.38 0.00 | 54.37 4.44 0.00 | 62.69 5.58 0.00 | 99.18 9.95 0.00 | 73.57 8.62 0.00 | 69.49 9.07 0.00 | 114.01 13.42 0.00 | 75.84 8.59 0.00 | 48.15 5.21 0.00 | 45.01 5.26 0.00 | 44.12 4.86 0.00 |
| REVERE_CPFR_DRP 24186 | 74.25 2.41 0.00 | 38.72 1.13 0.00 | 37.48 1.08 0.00 | 37.06 1.10 0.00 | 40.15 1.22 0.00 | 42.14 1.42 0.00 | 54.68 2.24 0.00 | 65.05 2.64 0.00 | 38.45 1.28 0.00 | 39.08 1.12 0.00 | 49.24 1.50 0.00 | 39.85 1.08 0.00 | 40.86 0.91 0.00 | 49.82 1.53 0.00 | 51.43 1.49 0.00 | 59.13 2.02 0.00 | 92.41 3.17 0.00 | 67.26 2.32 0.00 | 62.82 2.40 0.00 | 104.99 4.40 0.00 | 70.15 2.90 0.00 | 44.41 1.47 0.00 | 40.93 1.17 0.00 | 40.26 1.01 0.00 |
| REYNOLDS_115KV_TB3 80639 | 71.19 -0.65 0.00 | 37.64 0.05 0.00 | 36.49 0.10 0.00 | 36.12 0.15 0.00 | 38.97 0.03 0.00 | 40.85 0.13 0.00 | 52.96 0.52 0.00 | 63.51 1.10 0.00 | 37.75 0.58 0.00 | 38.28 0.32 0.00 | 47.91 0.16 0.00 | 38.94 0.17 0.00 | 40.04 0.09 0.00 | 48.28 -0.02 0.00 | 49.91 -0.02 0.00 | 57.34 0.23 0.00 | 90.44 1.20 0.00 | 66.45 1.51 0.00 | 61.95 1.53 0.00 | 102.67 2.09 0.00 | 68.53 1.28 0.00 | 43.74 0.80 0.00 | 40.59 0.83 0.00 | 39.93 0.68 0.00 |
| RIVERBAY____ 323610 | 73.21 1.37 0.00 | 38.61 1.01 0.00 | 37.38 0.98 0.00 | 36.96 0.99 0.00 | 39.94 1.00 0.00 | 42.08 1.36 0.00 | 54.84 2.40 0.00 | 66.02 3.61 0.00 | 39.32 2.10 -0.05 | 39.54 1.57 0.00 | 49.51 1.76 0.00 | 40.43 1.66 0.00 | 41.48 1.53 0.00 | 49.99 1.69 0.00 | 51.81 1.88 0.00 | 59.54 2.44 0.00 | 93.13 3.90 0.00 | 68.26 3.32 0.00 | 63.94 3.52 0.00 | 106.12 5.54 0.00 | 70.83 3.59 0.00 | 45.23 2.29 0.00 | 41.62 1.87 0.00 | 40.72 1.46 0.00 |
| RIVERSDE_115KV_TB3 55908 | 71.06 -0.78 0.00 | 37.58 -0.01 0.00 | 36.42 0.03 0.00 | 36.05 0.08 0.00 | 38.89 -0.05 0.00 | 40.76 0.05 0.00 | 52.84 0.40 0.00 | 63.36 0.95 0.00 | 37.67 0.50 0.00 | 38.21 0.25 0.00 | 47.82 0.08 0.00 | 38.89 0.12 0.00 | 39.99 0.03 0.00 | 48.21 -0.08 0.00 | 49.82 -0.11 0.00 | 57.23 0.12 0.00 | 90.24 1.01 0.00 | 66.29 1.34 0.00 | 61.82 1.40 0.00 | 102.47 1.89 0.00 | 68.39 1.14 0.00 | 43.63 0.69 0.00 | 40.50 0.74 0.00 | 39.82 0.57 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 72.22 0.38 0.00 | 37.65 0.06 0.00 | 36.45 0.06 0.00 | 36.05 0.08 0.00 | 39.08 0.15 0.00 | 40.88 0.16 0.00 | 52.65 0.21 0.00 | 62.58 0.17 0.00 | 37.25 0.08 0.00 | 38.04 0.08 0.00 | 47.73 -0.02 0.00 | 38.66 -0.11 0.00 | 39.81 -0.14 0.00 | 48.13 -0.16 0.00 | 49.64 -0.29 0.00 | 56.67 -0.44 0.00 | 88.35 -0.88 0.00 | 63.84 -1.11 0.00 | 59.17 -1.25 0.00 | 99.41 -1.17 0.00 | 66.50 -0.75 0.00 | 42.15 -0.78 0.00 | 38.90 -0.86 0.00 | 38.32 -0.94 0.00 |

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| ROCHESRG_115KV_T4 355643 | 71.23 -0.61 0.00 | 36.88 -0.72 0.00 | 35.73 -0.67 0.00 | 35.24 -0.72 0.00 | 38.21 -0.73 0.00 | 39.88 -0.84 0.00 | 51.40 -1.05 0.00 | 60.25 -2.16 0.00 | 36.04 -1.14 0.00 | 37.51 -0.45 0.00 | 47.79 0.05 0.00 | 38.65 -0.12 0.00 | 40.12 0.17 0.00 | 48.81 0.52 0.00 | 50.59 0.65 0.00 | 57.55 0.44 0.00 | 89.31 0.08 0.00 | 64.26 -0.68 0.00 | 59.89 -0.53 0.00 | 99.64 -0.95 0.00 | 66.77 -0.48 0.00 | 42.63 -0.31 0.00 | 39.22 -0.54 0.00 | 38.77 -0.49 0.00 |
| ROCHESTER_9_IC 23652 | 71.77 -0.07 0.00 | 37.15 -0.44 0.00 | 35.98 -0.41 0.00 | 35.49 -0.47 0.00 | 38.50 -0.44 0.00 | 40.21 -0.51 0.00 | 51.86 -0.58 0.00 | 60.79 -1.62 0.00 | 36.35 -0.82 0.00 | 37.84 -0.12 0.00 | 48.12 0.37 0.00 | 38.90 0.13 0.00 | 40.40 0.45 0.00 | 49.15 0.86 0.00 | 50.94 1.00 0.00 | 57.96 0.85 0.00 | 89.93 0.70 0.00 | 64.71 -0.23 0.00 | 60.33 -0.09 0.00 | 100.38 -0.21 0.00 | 67.27 0.02 0.00 | 42.92 -0.01 0.00 | 39.47 -0.29 0.00 | 39.00 -0.26 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 73.46 1.62 0.00 | 38.63 1.04 0.00 | 37.38 0.98 0.00 | 37.01 1.04 0.00 | 39.98 1.04 0.00 | 42.06 1.34 0.00 | 54.75 2.30 0.00 | 65.75 3.34 0.00 | 39.16 1.99 0.00 | 39.59 1.62 0.00 | 49.60 1.85 0.00 | 40.42 1.64 0.00 | 41.53 1.57 0.00 | 50.03 1.73 0.00 | 51.86 1.92 0.00 | 59.68 2.57 0.00 | 93.25 4.02 0.00 | 68.48 3.53 0.00 | 64.18 3.76 0.00 | 106.41 5.83 0.00 | 71.04 3.80 0.00 | 45.30 2.37 0.00 | 41.73 1.97 0.00 | 40.84 1.59 0.00 |
| ROME____115KV_TB2 80656 | 74.25 2.41 0.00 | 38.72 1.13 0.00 | 37.48 1.08 0.00 | 37.06 1.10 0.00 | 40.15 1.22 0.00 | 42.14 1.42 0.00 | 54.68 2.24 0.00 | 65.05 2.64 0.00 | 38.45 1.28 0.00 | 39.08 1.12 0.00 | 49.24 1.50 0.00 | 39.85 1.08 0.00 | 40.86 0.91 0.00 | 49.82 1.53 0.00 | 51.43 1.49 0.00 | 59.13 2.02 0.00 | 92.41 3.17 0.00 | 67.26 2.32 0.00 | 62.82 2.40 0.00 | 104.99 4.40 0.00 | 70.15 2.90 0.00 | 44.41 1.47 0.00 | 40.93 1.17 0.00 | 40.26 1.01 0.00 |
| ROSETON___1 23587 | 72.58 0.74 0.00 | 38.16 0.57 0.00 | 36.93 0.53 0.00 | 36.56 0.60 0.00 | 39.52 0.58 0.00 | 41.52 0.80 0.00 | 53.99 1.54 0.00 | 64.78 2.37 0.00 | 38.56 1.39 0.00 | 38.99 1.03 0.00 | 48.83 1.08 0.00 | 39.74 0.97 0.00 | 40.83 0.88 0.00 | 49.18 0.89 0.00 | 50.94 1.00 0.00 | 58.60 1.49 0.00 | 91.67 2.43 0.00 | 67.25 2.30 0.00 | 62.96 2.54 0.00 | 104.40 3.81 0.00 | 69.74 2.49 0.00 | 44.47 1.53 0.00 | 41.02 1.26 0.00 | 40.20 0.95 0.00 |
| ROSETON___2 23588 | 72.58 0.74 0.00 | 38.16 0.57 0.00 | 36.93 0.53 0.00 | 36.56 0.60 0.00 | 39.52 0.58 0.00 | 41.52 0.80 0.00 | 53.99 1.54 0.00 | 64.78 2.37 0.00 | 38.56 1.39 0.00 | 38.99 1.03 0.00 | 48.83 1.08 0.00 | 39.74 0.97 0.00 | 40.83 0.88 0.00 | 49.18 0.89 0.00 | 50.94 1.00 0.00 | 58.60 1.49 0.00 | 91.67 2.43 0.00 | 67.25 2.30 0.00 | 62.96 2.54 0.00 | 104.40 3.81 0.00 | 69.74 2.49 0.00 | 44.47 1.53 0.00 | 41.02 1.26 0.00 | 40.20 0.95 0.00 |
| ROTTTRDAM_115KV_TB3 80664 | 72.64 0.79 0.00 | 38.16 0.57 0.00 | 36.96 0.57 0.00 | 36.57 0.61 0.00 | 39.54 0.60 0.00 | 41.45 0.73 0.00 | 53.69 1.25 0.00 | 64.15 1.74 0.00 | 38.09 0.92 0.00 | 38.57 0.61 0.00 | 48.46 0.72 0.00 | 39.31 0.54 0.00 | 40.38 0.43 0.00 | 48.85 0.55 0.00 | 50.56 0.62 0.00 | 58.00 0.89 0.00 | 91.14 1.91 0.00 | 66.79 1.85 0.00 | 62.42 2.00 0.00 | 103.63 3.04 0.00 | 69.30 2.05 0.00 | 44.22 1.28 0.00 | 40.86 1.10 0.00 | 40.24 0.99 0.00 |
| RUSSELL___1 23602 | 72.20 0.36 0.00 | 37.36 -0.23 0.00 | 36.20 -0.20 0.00 | 35.70 -0.27 0.00 | 38.72 -0.21 0.00 | 40.45 -0.27 0.00 | 52.21 -0.24 0.00 | 61.19 -1.22 0.00 | 36.60 -0.57 0.00 | 38.08 0.12 0.00 | 48.39 0.64 0.00 | 39.11 0.34 0.00 | 40.63 0.68 0.00 | 49.43 1.14 0.00 | 51.23 1.29 0.00 | 58.29 1.19 0.00 | 90.44 1.21 0.00 | 65.10 0.16 0.00 | 60.71 0.29 0.00 | 101.05 0.47 0.00 | 67.72 0.47 0.00 | 43.19 0.26 0.00 | 39.70 -0.06 0.00 | 39.21 -0.05 0.00 |
| RUSSELL___2 23532 | 72.20 0.36 0.00 | 37.36 -0.23 0.00 | 36.20 -0.20 0.00 | 35.70 -0.27 0.00 | 38.72 -0.21 0.00 | 40.45 -0.27 0.00 | 52.21 -0.24 0.00 | 61.19 -1.22 0.00 | 36.60 -0.57 0.00 | 38.08 0.12 0.00 | 48.39 0.64 0.00 | 39.11 0.34 0.00 | 40.63 0.68 0.00 | 49.43 1.14 0.00 | 51.23 1.29 0.00 | 58.29 1.19 0.00 | 90.44 1.21 0.00 | 65.10 0.16 0.00 | 60.71 0.29 0.00 | 101.05 0.47 0.00 | 67.72 0.47 0.00 | 43.19 0.26 0.00 | 39.70 -0.06 0.00 | 39.21 -0.05 0.00 |
| RUSSELL___3 23549 | 72.20 0.36 0.00 | 37.36 -0.23 0.00 | 36.20 -0.20 0.00 | 35.70 -0.27 0.00 | 38.72 -0.21 0.00 | 40.45 -0.27 0.00 | 52.21 -0.24 0.00 | 61.19 -1.22 0.00 | 36.60 -0.57 0.00 | 38.08 0.12 0.00 | 48.39 0.64 0.00 | 39.11 0.34 0.00 | 40.63 0.68 0.00 | 49.43 1.14 0.00 | 51.23 1.29 0.00 | 58.29 1.19 0.00 | 90.44 1.21 0.00 | 65.10 0.16 0.00 | 60.71 0.29 0.00 | 101.05 0.47 0.00 | 67.72 0.47 0.00 | 43.19 0.26 0.00 | 39.70 -0.06 0.00 | 39.21 -0.05 0.00 |
| RUSSELL___4 23556 | 72.20 0.36 0.00 | 37.36 -0.23 0.00 | 36.20 -0.20 0.00 | 35.70 -0.27 0.00 | 38.72 -0.21 0.00 | 40.45 -0.27 0.00 | 52.21 -0.24 0.00 | 61.19 -1.22 0.00 | 36.60 -0.57 0.00 | 38.08 0.12 0.00 | 48.39 0.64 0.00 | 39.11 0.34 0.00 | 40.63 0.68 0.00 | 49.43 1.14 0.00 | 51.23 1.29 0.00 | 58.29 1.19 0.00 | 90.44 1.21 0.00 | 65.10 0.16 0.00 | 60.71 0.29 0.00 | 101.05 0.47 0.00 | 67.72 0.47 0.00 | 43.19 0.26 0.00 | 39.70 -0.06 0.00 | 39.21 -0.05 0.00 |
| RUSSELL___STATION 23914 | 72.20 0.36 0.00 | 37.36 -0.23 0.00 | 36.20 -0.20 0.00 | 35.70 -0.27 0.00 | 38.72 -0.21 0.00 | 40.45 -0.27 0.00 | 52.21 -0.24 0.00 | 61.19 -1.22 0.00 | 36.60 -0.57 0.00 | 38.08 0.12 0.00 | 48.39 0.64 0.00 | 39.11 0.34 0.00 | 40.63 0.68 0.00 | 49.43 1.14 0.00 | 51.23 1.29 0.00 | 58.29 1.19 0.00 | 90.44 1.21 0.00 | 65.10 0.16 0.00 | 60.71 0.29 0.00 | 101.05 0.47 0.00 | 67.72 0.47 0.00 | 43.19 0.26 0.00 | 39.70 -0.06 0.00 | 39.21 -0.05 0.00 |
| S SALMON___HYD 24043 | 71.06 -0.77 0.00 | 37.06 -0.53 0.00 | 35.87 -0.52 0.00 | 35.47 -0.50 0.00 | 38.50 -0.44 0.00 | 40.31 -0.41 0.00 | 52.18 -0.26 0.00 | 61.94 -0.47 0.00 | 36.69 -0.49 0.00 | 37.18 -0.78 0.00 | 46.60 -1.15 0.00 | 37.88 -0.89 0.00 | 38.97 -0.98 0.00 | 47.40 -0.89 0.00 | 48.96 -0.98 0.00 | 56.04 -1.07 0.00 | 87.45 -1.78 0.00 | 63.60 -1.35 0.00 | 59.33 -1.09 0.00 | 99.47 -1.12 0.00 | 66.70 -0.55 0.00 | 42.05 -0.89 0.00 | 38.86 -0.90 0.00 | 38.29 -0.96 0.00 |
| S.PERRY__115KV_TB1 80734 | 76.40 4.56 0.00 | 39.45 1.86 0.00 | 38.21 1.82 0.00 | 37.71 1.74 0.00 | 40.98 2.04 0.00 | 43.02 2.30 0.00 | 56.06 3.61 0.00 | 65.89 3.48 0.00 | 39.02 1.85 0.00 | 40.56 2.60 0.00 | 51.15 3.41 0.00 | 40.76 1.99 0.00 | 42.70 2.75 0.00 | 52.43 4.14 0.00 | 55.05 5.12 0.00 | 62.65 5.54 0.00 | 97.08 7.85 0.00 | 69.58 4.64 0.00 | 65.27 4.85 0.00 | 108.80 8.21 0.00 | 72.85 5.60 0.00 | 46.21 3.27 0.00 | 42.29 2.53 0.00 | 41.52 2.26 0.00 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 70.73 -1.11 0.00 | 36.36 -1.23 0.00 | 35.24 -1.16 0.00 | 34.69 -1.28 0.00 | 37.64 -1.29 0.00 | 39.20 -1.52 0.00 | 50.28 -2.16 0.00 | 58.17 -4.24 0.00 | 34.91 -2.26 0.00 | 36.88 -1.08 0.00 | 47.40 -0.34 0.00 | 38.23 -0.54 0.00 | 39.81 -0.14 0.00 | 48.63 0.33 0.00 | 50.43 0.49 0.00 | 57.20 0.09 0.00 | 88.34 -0.89 0.00 | 62.96 -1.98 0.00 | 58.72 -1.70 0.00 | 97.65 -2.93 0.00 | 65.56 -1.68 0.00 | 41.98 -0.96 0.00 | 38.50 -1.26 0.00 | 38.15 -1.11 0.00 |

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|--------------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|
| SAWYER___23_KV_LOAD 55526 | 70.73 -1.11 0.00 | 36.36 -1.23 0.00 | 35.24 -1.16 0.00 | 34.69 -1.28 0.00 | 37.64 -1.29 0.00 | 39.20 -1.52 0.00 | 50.28 -2.16 0.00 | 58.17 -4.24 0.00 | 34.91 -2.26 0.00 | 36.88 -1.08 0.00 | 47.40 -0.34 0.00 | 38.23 -0.54 0.00 | 39.81 -0.14 0.00 | 48.63 0.33 0.00 | 50.43 0.49 0.00 | 57.20 0.09 0.00 | 88.34 -0.89 0.00 | 62.96 -1.98 0.00 | 58.72 -1.70 0.00 | 97.65 -2.93 0.00 | 65.56 -1.68 0.00 | 41.98 -0.96 0.00 | 38.50 -1.26 0.00 | 38.15 -1.11 0.00 |
| SELKIRK___I 23801 | 71.79 -0.05 0.00 | 37.85 0.26 0.00 | 36.70 0.31 0.00 | 36.32 0.36 0.00 | 39.23 0.29 0.00 | 41.12 0.40 0.00 | 53.24 0.79 0.00 | 63.66 1.25 0.00 | 37.75 0.58 0.00 | 38.14 0.18 0.00 | 47.84 0.09 0.00 | 38.88 0.11 0.00 | 39.98 0.03 0.00 | 48.28 -0.01 0.00 | 49.94 0.00 0.00 | 57.37 0.27 0.00 | 90.52 1.29 0.00 | 66.41 1.47 0.00 | 62.03 1.62 0.00 | 102.89 2.31 0.00 | 68.71 1.46 0.00 | 43.87 0.94 0.00 | 40.65 0.89 0.00 | 40.02 0.77 0.00 |
| SELKIRK___II 23799 | 71.36 -0.48 0.00 | 37.65 0.06 0.00 | 36.48 0.08 0.00 | 36.10 0.13 0.00 | 38.98 0.05 0.00 | 40.86 0.15 0.00 | 52.94 0.49 0.00 | 63.38 0.97 0.00 | 37.71 0.53 0.00 | 38.22 0.26 0.00 | 47.87 0.13 0.00 | 38.93 0.16 0.00 | 40.03 0.07 0.00 | 48.28 -0.01 0.00 | 49.90 -0.03 0.00 | 57.31 0.20 0.00 | 90.18 0.94 0.00 | 66.15 1.21 0.00 | 61.78 1.36 0.00 | 102.45 1.86 0.00 | 68.41 1.17 0.00 | 43.67 0.73 0.00 | 40.46 0.70 0.00 | 39.81 0.55 0.00 |
| SENECA OSWGO___HYD 24041 | 70.68 -1.16 0.00 | 36.92 -0.67 0.00 | 35.75 -0.65 0.00 | 35.33 -0.64 0.00 | 38.27 -0.67 0.00 | 40.01 -0.71 0.00 | 51.57 -0.88 0.00 | 61.25 -1.16 0.00 | 36.48 -0.69 0.00 | 37.30 -0.66 0.00 | 47.01 -0.74 0.00 | 38.10 -0.67 0.00 | 39.32 -0.63 0.00 | 47.70 -0.60 0.00 | 49.29 -0.65 0.00 | 56.24 -0.86 0.00 | 87.80 -1.43 0.00 | 63.88 -1.06 0.00 | 59.58 -0.84 0.00 | 99.15 -1.44 0.00 | 66.29 -0.95 0.00 | 42.26 -0.68 0.00 | 39.14 -0.61 0.00 | 38.70 -0.55 0.00 |
| SENECA___115KV_TB3 355854 | 71.50 -0.34 0.00 | 36.76 -0.83 0.00 | 35.61 -0.78 0.00 | 35.08 -0.89 0.00 | 38.06 -0.88 0.00 | 39.64 -1.08 0.00 | 50.95 -1.50 0.00 | 59.00 -3.41 0.00 | 35.41 -1.76 0.00 | 37.35 -0.61 0.00 | 48.00 0.25 0.00 | 38.72 -0.05 0.00 | 40.35 0.39 0.00 | 49.26 0.97 0.00 | 51.06 1.13 0.00 | 57.87 0.76 0.00 | 89.33 0.10 0.00 | 63.69 -1.25 0.00 | 59.45 -0.97 0.00 | 98.82 -1.77 0.00 | 66.32 -0.93 0.00 | 42.42 -0.51 0.00 | 38.84 -0.92 0.00 | 38.49 -0.76 0.00 |
| SENECA___ENERGY 23797 | 71.64 -0.20 0.00 | 37.30 -0.29 0.00 | 36.09 -0.30 0.00 | 35.64 -0.32 0.00 | 38.66 -0.27 0.00 | 40.40 -0.32 0.00 | 52.25 -0.19 0.00 | 61.81 -0.60 0.00 | 36.79 -0.38 0.00 | 37.85 -0.11 0.00 | 48.01 0.26 0.00 | 38.84 0.07 0.00 | 40.20 0.25 0.00 | 48.77 0.47 0.00 | 50.50 0.56 0.00 | 57.48 0.37 0.00 | 89.28 0.05 0.00 | 64.77 -0.18 0.00 | 60.44 0.02 0.00 | 100.18 -0.40 0.00 | 67.06 -0.19 0.00 | 42.76 -0.18 0.00 | 39.41 -0.35 0.00 | 38.98 -0.27 0.00 |
| SHOEMAKER___GT 23640 | 72.55 0.71 0.00 | 38.10 0.51 0.00 | 36.85 0.46 0.00 | 36.50 0.53 0.00 | 39.47 0.53 0.00 | 41.47 0.76 0.00 | 53.85 1.40 0.00 | 64.49 2.07 0.00 | 38.33 1.16 0.00 | 38.75 0.78 0.00 | 48.51 0.77 0.00 | 39.47 0.70 0.00 | 40.55 0.60 0.00 | 48.88 0.59 0.00 | 50.65 0.71 0.00 | 58.14 1.03 0.00 | 91.24 2.01 0.00 | 66.91 1.96 0.00 | 62.76 2.34 0.00 | 104.10 3.51 0.00 | 69.55 2.31 0.00 | 44.38 1.44 0.00 | 40.95 1.19 0.00 | 40.15 0.89 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 72.48 0.64 0.00 | 38.07 0.48 0.00 | 36.84 0.44 0.00 | 36.47 0.50 0.00 | 39.44 0.50 0.00 | 41.44 0.73 0.00 | 53.82 1.38 0.00 | 64.48 2.06 0.00 | 38.33 1.16 0.00 | 38.75 0.78 0.00 | 48.53 0.78 0.00 | 39.49 0.71 0.00 | 40.59 0.64 0.00 | 48.92 0.63 0.00 | 50.70 0.77 0.00 | 58.24 1.13 0.00 | 91.27 2.04 0.00 | 66.91 1.97 0.00 | 62.72 2.30 0.00 | 104.04 3.45 0.00 | 69.52 2.27 0.00 | 44.35 1.41 0.00 | 40.92 1.16 0.00 | 40.12 0.86 0.00 |
| SHOREHAM_IC_1 23715 | 82.65 2.87 -7.95 | 50.73 1.64 -11.50 | 37.75 1.35 0.00 | 37.26 1.30 0.00 | 40.30 1.36 0.00 | 51.15 1.69 -8.74 | 87.29 2.68 -32.17 | 96.83 3.70 -30.72 | 40.75 2.09 -1.48 | 42.08 1.74 -2.38 | 49.60 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.24 0.95 0.00 | 51.41 1.47 0.00 | 71.40 2.36 -11.93 | 108.20 3.80 -15.17 | 103.50 4.17 -34.38 | 97.98 4.25 -33.30 | 146.73 6.51 -39.63 | 86.13 4.59 -14.29 | 74.55 2.77 -28.85 | 47.52 2.04 -5.71 | 48.49 1.66 -7.57 |
| SHOREHAM_IC_2 23716 | 82.65 2.87 -7.95 | 50.73 1.64 -11.50 | 37.75 1.35 0.00 | 37.26 1.30 0.00 | 40.30 1.36 0.00 | 51.15 1.69 -8.74 | 87.29 2.68 -32.17 | 96.83 3.70 -30.72 | 40.75 2.09 -1.48 | 42.08 1.74 -2.38 | 49.60 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.24 0.95 0.00 | 51.41 1.47 0.00 | 71.40 2.36 -11.93 | 108.20 3.80 -15.17 | 103.50 4.17 -34.38 | 97.98 4.25 -33.30 | 146.73 6.51 -39.63 | 86.13 4.59 -14.29 | 74.55 2.77 -28.85 | 47.52 2.04 -5.71 | 48.49 1.66 -7.57 |
| SISSONVILLE____ 23735 | 72.84 1.00 0.00 | 37.99 0.40 0.00 | 36.77 0.37 0.00 | 36.28 0.32 0.00 | 39.33 0.39 0.00 | 41.07 0.35 0.00 | 52.93 0.49 0.00 | 62.71 0.90 0.00 | 37.09 -0.08 0.00 | 37.76 -0.21 0.00 | 47.17 -0.58 0.00 | 38.22 -0.54 0.00 | 39.60 -0.35 0.00 | 47.87 -0.42 0.00 | 49.51 -0.43 0.00 | 56.70 -0.41 0.00 | 88.57 -0.66 0.00 | 64.21 -0.73 0.00 | 59.48 -0.94 0.00 | 99.96 -0.63 0.00 | 66.91 -0.33 0.00 | 42.50 -0.44 0.00 | 40.03 -0.54 0.00 | 40.30 -0.56 0.00 |
| SITHE_IND_GS1 24169 | 70.13 -1.71 0.00 | 36.67 -0.92 0.00 | 35.51 -0.89 0.00 | 35.09 -0.88 0.00 | 37.99 -0.94 0.00 | 39.67 -1.05 0.00 | 50.99 -1.45 0.00 | 60.56 -1.85 0.00 | 36.09 -1.08 0.00 | 36.91 -1.05 0.00 | 46.50 -1.24 0.00 | 37.77 -1.00 0.00 | 38.93 -1.02 0.00 | 47.12 -1.17 0.00 | 48.69 -1.25 0.00 | 55.53 -1.58 0.00 | 86.66 -2.57 0.00 | 63.03 -1.92 0.00 | 58.73 -1.69 0.00 | 97.70 -2.89 0.00 | 65.33 -1.91 0.00 | 41.74 -1.20 0.00 | 38.76 -1.00 0.00 | 38.39 -0.87 0.00 |
| SITHE_IND_GS2 24170 | 70.13 -1.71 0.00 | 36.67 -0.92 0.00 | 35.51 -0.89 0.00 | 35.09 -0.88 0.00 | 37.99 -0.94 0.00 | 39.67 -1.05 0.00 | 50.99 -1.45 0.00 | 60.56 -1.85 0.00 | 36.09 -1.08 0.00 | 36.91 -1.05 0.00 | 46.50 -1.24 0.00 | 37.77 -1.00 0.00 | 38.93 -1.02 0.00 | 47.12 -1.17 0.00 | 48.69 -1.25 0.00 | 55.53 -1.58 0.00 | 86.66 -2.57 0.00 | 63.03 -1.92 0.00 | 58.73 -1.69 0.00 | 97.70 -2.89 0.00 | 65.33 -1.91 0.00 | 41.74 -1.20 0.00 | 38.76 -1.00 0.00 | 38.39 -0.87 0.00 |
| SITHE_IND_GS3 24171 | 70.13 -1.71 0.00 | 36.67 -0.92 0.00 | 35.51 -0.89 0.00 | 35.09 -0.88 0.00 | 37.99 -0.94 0.00 | 39.67 -1.05 0.00 | 50.99 -1.45 0.00 | 60.56 -1.85 0.00 | 36.09 -1.08 0.00 | 36.91 -1.05 0.00 | 46.50 -1.24 0.00 | 37.77 -1.00 0.00 | 38.93 -1.02 0.00 | 47.12 -1.17 0.00 | 48.69 -1.25 0.00 | 55.53 -1.58 0.00 | 86.66 -2.57 0.00 | 63.03 -1.92 0.00 | 58.73 -1.69 0.00 | 97.70 -2.89 0.00 | 65.33 -1.91 0.00 | 41.74 -1.20 0.00 | 38.76 -1.00 0.00 | 38.39 -0.87 0.00 |
| SITHE_IND_GS4 24172 | 70.13 -1.71 0.00 | 36.67 -0.92 0.00 | 35.51 -0.89 0.00 | 35.09 -0.88 0.00 | 37.99 -0.94 0.00 | 39.67 -1.05 0.00 | 50.99 -1.45 0.00 | 60.56 -1.85 0.00 | 36.09 -1.08 0.00 | 36.91 -1.05 0.00 | 46.50 -1.24 0.00 | 37.77 -1.00 0.00 | 38.93 -1.02 0.00 | 47.12 -1.17 0.00 | 48.69 -1.25 0.00 | 55.53 -1.58 0.00 | 86.66 -2.57 0.00 | 63.03 -1.92 0.00 | 58.73 -1.69 0.00 | 97.70 -2.89 0.00 | 65.33 -1.91 0.00 | 41.74 -1.20 0.00 | 38.76 -1.00 0.00 | 38.39 -0.87 0.00 |

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|--------------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|--------------------------|-------------------------|-------------------------|------------------------|------------------------|
| SITHE___BATAVIA 24024 | 72.59 0.75 0.00 | 37.41 -0.18 0.00 | 36.25 -0.15 0.00 | 35.72 -0.25 0.00 | 38.80 -0.14 0.00 | 40.55 -0.17 0.00 | 52.27 -0.17 0.00 | 60.79 -1.63 0.00 | 36.39 -0.78 0.00 | 38.21 0.25 0.00 | 48.83 1.08 0.00 | 39.38 0.61 0.00 | 41.04 1.09 0.00 | 50.20 1.91 0.00 | 52.19 2.25 0.00 | 59.17 2.06 0.00 | 91.42 2.19 0.00 | 65.37 0.43 0.00 | 60.95 0.53 0.00 | 101.38 0.79 0.00 | 67.95 0.70 0.00 | 43.34 0.40 0.00 | 39.82 0.06 0.00 | 39.33 0.08 0.00 |
| SITHE___INDEPEND 23800 | 70.13 -1.71 0.00 | 36.67 -0.92 0.00 | 35.50 -0.89 0.00 | 35.09 -0.88 0.00 | 37.99 -0.94 0.00 | 39.66 -1.06 0.00 | 50.99 -1.45 0.00 | 60.56 -1.85 0.00 | 36.09 -1.09 0.00 | 36.91 -1.06 0.00 | 46.50 -1.25 0.00 | 37.77 -1.00 0.00 | 38.93 -1.02 0.00 | 47.12 -1.17 0.00 | 48.69 -1.25 0.00 | 55.53 -1.58 0.00 | 86.66 -2.57 0.00 | 63.03 -1.92 0.00 | 58.73 -1.69 0.00 | 97.70 -2.88 0.00 | 65.34 -1.91 0.00 | 41.74 -1.20 0.00 | 38.76 -1.00 0.00 | 38.39 -0.87 0.00 |
| SITHE___MASSENA 23902 | 74.08 2.24 0.00 | 38.64 1.05 0.00 | 37.41 1.01 0.00 | 36.91 0.94 0.00 | 39.97 1.03 0.00 | 41.71 0.99 0.00 | 53.62 1.18 0.00 | 63.55 1.14 0.00 | 37.76 0.58 0.00 | 38.68 0.71 0.00 | 48.52 0.77 0.00 | 39.34 0.56 0.00 | 40.72 0.77 0.00 | 49.14 0.85 0.00 | 50.85 0.91 0.00 | 58.12 1.01 0.00 | 90.73 1.50 0.00 | 65.68 0.74 0.00 | 60.77 0.35 0.00 | 101.76 1.18 0.00 | 68.08 0.83 0.00 | 43.44 0.50 0.00 | 40.38 0.43 -0.19 | 40.08 0.45 -0.38 |
| SITHE___OGDNSBRG 24021 | 75.18 3.34 0.00 | 39.19 1.60 0.00 | 37.92 1.52 0.00 | 37.41 1.44 0.00 | 40.55 1.61 0.00 | 42.34 1.63 0.00 | 54.58 2.13 0.00 | 64.57 2.15 0.00 | 38.03 0.86 0.00 | 38.64 0.68 0.00 | 48.31 0.57 0.00 | 39.16 0.39 0.00 | 40.68 0.73 0.00 | 49.22 0.93 0.00 | 50.95 1.01 0.00 | 58.40 1.30 0.00 | 91.55 2.32 0.00 | 66.50 1.56 0.00 | 61.60 1.18 0.00 | 103.42 2.83 0.00 | 69.20 1.95 0.00 | 44.05 1.11 0.00 | 41.26 0.93 -0.57 | 41.29 0.90 -1.13 |
| SITHE___STERLING 23777 | 73.50 1.66 0.00 | 38.34 0.75 0.00 | 37.12 0.73 0.00 | 36.71 0.74 0.00 | 39.75 0.82 0.00 | 41.68 0.97 0.00 | 54.02 1.58 0.00 | 64.28 1.87 0.00 | 38.06 0.89 0.00 | 38.75 0.79 0.00 | 48.82 1.08 0.00 | 39.55 0.78 0.00 | 40.56 0.61 0.00 | 49.37 1.08 0.00 | 51.00 1.07 0.00 | 58.58 1.47 0.00 | 91.57 2.34 0.00 | 66.66 1.72 0.00 | 62.24 1.83 0.00 | 103.82 3.24 0.00 | 69.34 2.09 0.00 | 44.05 1.12 0.00 | 40.62 0.86 0.00 | 40.00 0.74 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 71.35 -0.49 0.00 | 37.05 -0.54 0.00 | 35.88 -0.51 0.00 | 35.42 -0.55 0.00 | 38.42 -0.52 0.00 | 40.17 -0.55 0.00 | 51.91 -0.53 0.00 | 61.17 -1.24 0.00 | 36.50 -0.68 0.00 | 37.75 -0.21 0.00 | 47.90 0.16 0.00 | 38.75 -0.02 0.00 | 40.17 0.22 0.00 | 48.81 0.52 0.00 | 50.55 0.62 0.00 | 57.60 0.49 0.00 | 89.58 0.35 0.00 | 64.73 -0.21 0.00 | 60.32 -0.10 0.00 | 100.36 -0.23 0.00 | 67.11 -0.14 0.00 | 42.77 -0.17 0.00 | 39.37 -0.39 0.00 | 38.91 -0.34 0.00 |
| SOUTH CAIRO___GT 23612 | 73.73 1.89 0.00 | 38.88 1.29 0.00 | 37.69 1.30 0.00 | 37.32 1.35 0.00 | 40.33 1.39 0.00 | 42.37 1.65 0.00 | 55.09 2.65 0.00 | 65.94 3.53 0.00 | 38.93 1.76 0.00 | 38.94 0.97 0.00 | 48.56 0.82 0.00 | 39.32 0.55 0.00 | 40.46 0.51 0.00 | 48.72 0.42 0.00 | 50.49 0.55 0.00 | 58.08 0.97 0.00 | 93.05 3.82 0.00 | 68.54 3.60 0.00 | 64.26 3.84 0.00 | 106.89 6.31 0.00 | 71.26 4.01 0.00 | 45.34 2.41 0.00 | 41.91 2.16 0.00 | 41.18 1.92 0.00 |
| SOUTH HAMPTN___IC 23720 | 83.59 3.81 -7.94 | 51.25 2.17 -11.49 | 38.03 1.63 0.00 | 37.42 1.45 0.00 | 40.33 1.39 0.00 | 51.17 1.72 -8.72 | 87.36 2.79 -32.13 | 97.05 3.95 -30.69 | 40.95 2.31 -1.47 | 42.38 2.04 -2.38 | 50.13 2.39 0.00 | 40.61 1.85 0.00 | 41.34 1.39 0.00 | 49.65 1.36 0.00 | 51.84 1.90 0.00 | 71.65 2.62 -11.92 | 109.14 4.76 -15.16 | 104.20 4.91 -34.35 | 98.38 4.70 -33.26 | 147.58 7.44 -39.55 | 86.15 4.68 -14.22 | 74.33 2.74 -28.66 | 47.31 1.95 -5.61 | 48.40 1.67 -7.48 |
| SOUTHDOW_115KV_TB1 355954 | 73.92 2.08 0.00 | 37.85 0.26 0.00 | 36.46 0.07 0.00 | 36.06 0.09 0.00 | 38.98 0.04 0.00 | 40.72 0.00 0.00 | 52.68 0.24 0.00 | 61.07 -1.34 0.00 | 36.25 -0.92 0.00 | 38.03 0.07 0.00 | 48.85 1.11 0.00 | 39.73 0.96 0.00 | 41.59 1.64 0.00 | 50.85 2.56 0.00 | 51.78 1.84 0.00 | 58.69 1.58 0.00 | 90.12 0.89 0.00 | 64.33 -0.61 0.00 | 60.33 -0.08 0.00 | 99.86 -0.73 0.00 | 66.87 -0.37 0.00 | 42.54 -0.39 0.00 | 38.80 -0.96 0.00 | 38.40 -0.85 0.00 |
| SOUTHOLD_69_KV_BK 2 55809 | 84.30 4.53 -7.94 | 51.64 2.56 -11.49 | 38.14 1.75 0.00 | 37.36 1.39 0.00 | 40.10 1.16 0.00 | 50.89 1.45 -8.72 | 87.07 2.50 -32.13 | 96.86 3.76 -30.69 | 40.99 2.34 -1.47 | 42.53 2.19 -2.38 | 50.45 2.70 0.00 | 40.89 2.12 0.00 | 41.56 1.61 0.00 | 49.85 1.56 0.00 | 51.94 1.99 0.00 | 70.83 1.80 -11.92 | 109.71 5.33 -15.16 | 104.76 5.47 -34.35 | 98.52 4.84 -33.26 | 148.04 7.89 -39.56 | 85.87 4.40 -14.22 | 74.03 2.43 -28.66 | 46.94 1.57 -5.61 | 48.15 1.41 -7.48 |
| SOUTHOLD___IC 23719 | 84.31 4.53 -7.94 | 51.64 2.56 -11.49 | 38.14 1.75 0.00 | 37.36 1.40 0.00 | 40.11 1.16 0.00 | 50.91 1.47 -8.72 | 87.09 2.52 -32.13 | 96.86 3.76 -30.69 | 40.98 2.34 -1.47 | 42.53 2.18 -2.38 | 50.45 2.70 0.00 | 40.88 2.12 0.00 | 41.56 1.61 0.00 | 49.85 1.56 0.00 | 51.93 1.99 0.00 | 70.84 1.81 -11.92 | 109.73 5.34 -15.16 | 104.76 5.47 -34.35 | 98.52 4.84 -33.26 | 148.04 7.90 -39.56 | 85.87 4.40 -14.22 | 74.03 2.43 -28.66 | 46.94 1.57 -5.61 | 48.15 1.42 -7.48 |
| SOUTH_FORK_WT_PWR 323839 | 84.42 4.65 -7.94 | 51.73 2.65 -11.49 | 37.99 1.59 0.00 | 37.06 1.10 0.00 | 39.61 0.67 0.00 | 50.36 0.92 -8.72 | 86.37 1.80 -32.13 | 96.14 3.04 -30.69 | 40.69 2.04 -1.47 | 42.35 2.00 -2.38 | 50.39 2.64 0.00 | 40.87 2.10 0.00 | 41.48 1.53 0.00 | 49.72 1.43 0.00 | 51.84 1.90 0.00 | 71.20 2.17 -11.92 | 109.55 5.16 -15.16 | 104.64 5.35 -34.35 | 98.07 4.39 -33.26 | 147.43 7.29 -39.56 | 84.94 3.47 -14.22 | 73.38 1.79 -28.66 | 46.27 0.91 -5.61 | 47.62 0.89 -7.48 |
| SPIERFLS_115KV_TB 1 80737 | 74.82 2.98 0.00 | 39.42 1.83 0.00 | 38.13 1.74 0.00 | 37.73 1.76 0.00 | 40.79 1.86 0.00 | 42.75 2.03 0.00 | 55.94 3.49 0.00 | 67.14 4.73 0.00 | 39.84 2.66 0.00 | 40.19 2.22 0.00 | 50.28 2.54 0.00 | 40.62 1.86 0.00 | 41.72 1.77 0.00 | 50.40 2.11 0.00 | 52.12 2.18 0.00 | 59.91 2.80 0.00 | 94.60 5.37 0.00 | 69.75 4.81 0.00 | 65.53 5.11 0.00 | 108.44 7.85 0.00 | 72.31 5.07 0.00 | 45.98 3.05 0.00 | 42.57 2.82 0.00 | 41.84 2.58 0.00 |
| ST LAWRENCE____ 23600 | 73.00 1.16 0.00 | 38.12 0.53 0.00 | 36.90 0.51 0.00 | 36.42 0.45 0.00 | 39.44 0.50 0.00 | 41.15 0.43 0.00 | 52.85 0.41 0.00 | 62.71 0.30 0.00 | 37.33 0.15 0.00 | 38.28 0.31 0.00 | 48.05 0.30 0.00 | 39.00 0.23 0.00 | 40.29 0.34 0.00 | 48.60 0.31 0.00 | 50.27 0.34 0.00 | 57.44 0.33 0.00 | 89.63 0.40 0.00 | 64.91 -0.04 0.00 | 60.08 -0.34 0.00 | 100.46 -0.12 0.00 | 67.21 -0.03 0.00 | 42.92 -0.02 0.00 | 39.72 -0.05 0.00 | 39.26 0.00 0.00 |
| STATE_CA_115KV_115_LB 55624 | 71.24 -0.60 0.00 | 37.66 0.07 0.00 | 36.49 0.09 0.00 | 36.12 0.15 0.00 | 38.97 0.03 0.00 | 40.85 0.13 0.00 | 52.98 0.53 0.00 | 63.49 1.07 0.00 | 37.74 0.57 0.00 | 38.29 0.33 0.00 | 47.96 0.21 0.00 | 38.99 0.22 0.00 | 40.07 0.12 0.00 | 48.35 0.06 0.00 | 49.94 0.01 0.00 | 57.38 0.27 0.00 | 90.46 1.23 0.00 | 66.40 1.46 0.00 | 61.96 1.54 0.00 | 102.75 2.16 0.00 | 68.56 1.32 0.00 | 43.75 0.81 0.00 | 40.56 0.79 0.00 | 39.89 0.64 0.00 |

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| STATE_ST_34_KV_LOAD 55959 | 72.18 0.34 0.00 | 37.65 0.05 0.00 | 36.46 0.07 0.00 | 36.02 0.05 0.00 | 39.06 0.12 0.00 | 40.84 0.12 0.00 | 52.78 0.34 0.00 | 62.56 0.15 0.00 | 37.23 0.05 0.00 | 38.20 0.24 0.00 | 48.31 0.57 0.00 | 39.15 0.38 0.00 | 40.44 0.49 0.00 | 48.99 0.70 0.00 | 50.69 0.76 0.00 | 57.73 0.62 0.00 | 90.13 0.89 0.00 | 65.55 0.61 0.00 | 60.98 0.56 0.00 | 101.35 0.76 0.00 | 67.75 0.51 0.00 | 43.15 0.22 0.00 | 39.84 0.08 0.00 | 39.53 0.27 0.00 |
| STATION 5_MISC_HYD 23604 | 71.75 -0.09 0.00 | 37.14 -0.45 0.00 | 35.98 -0.41 0.00 | 35.49 -0.47 0.00 | 38.50 -0.44 0.00 | 40.21 -0.51 0.00 | 51.86 -0.58 0.00 | 60.79 -1.62 0.00 | 36.35 -0.82 0.00 | 37.84 -0.12 0.00 | 48.12 0.38 0.00 | 38.91 0.14 0.00 | 40.40 0.45 0.00 | 49.15 0.86 0.00 | 50.94 1.01 0.00 | 57.95 0.84 0.00 | 89.94 0.71 0.00 | 64.71 -0.23 0.00 | 60.32 -0.10 0.00 | 100.37 -0.22 0.00 | 67.27 0.02 0.00 | 42.92 -0.01 0.00 | 39.47 -0.29 0.00 | 39.00 -0.26 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 72.30 0.46 0.00 | 37.57 -0.02 0.00 | 36.37 -0.03 0.00 | 35.91 -0.05 0.00 | 38.96 0.03 0.00 | 40.75 0.04 0.00 | 52.69 0.25 0.00 | 62.15 -0.26 0.00 | 37.09 -0.08 0.00 | 38.31 0.34 0.00 | 48.62 0.87 0.00 | 39.32 0.55 0.00 | 40.77 0.82 0.00 | 49.53 1.23 0.00 | 51.24 1.31 0.00 | 58.36 1.25 0.00 | 90.65 1.41 0.00 | 65.53 0.58 0.00 | 61.18 0.76 0.00 | 101.54 0.95 0.00 | 67.95 0.70 0.00 | 43.29 0.35 0.00 | 39.84 0.08 0.00 | 39.36 0.11 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 71.21 -0.63 0.00 | 36.88 -0.71 0.00 | 35.73 -0.67 0.00 | 35.25 -0.72 0.00 | 38.23 -0.71 0.00 | 39.93 -0.79 0.00 | 51.48 -0.96 0.00 | 60.43 -1.98 0.00 | 36.13 -1.04 0.00 | 37.58 -0.38 0.00 | 47.82 0.08 0.00 | 38.68 -0.09 0.00 | 40.17 0.21 0.00 | 48.86 0.57 0.00 | 50.63 0.69 0.00 | 57.63 0.52 0.00 | 89.46 0.23 0.00 | 64.41 -0.53 0.00 | 60.03 -0.39 0.00 | 99.88 -0.71 0.00 | 66.90 -0.34 0.00 | 42.68 -0.25 0.00 | 39.27 -0.49 0.00 | 38.80 -0.46 0.00 |
| STA_56___34_KV_BUS2 355883 | 71.21 -0.63 0.00 | 36.88 -0.71 0.00 | 35.73 -0.67 0.00 | 35.25 -0.72 0.00 | 38.23 -0.71 0.00 | 39.93 -0.79 0.00 | 51.48 -0.96 0.00 | 60.43 -1.98 0.00 | 36.13 -1.04 0.00 | 37.58 -0.38 0.00 | 47.82 0.08 0.00 | 38.68 -0.09 0.00 | 40.17 0.21 0.00 | 48.86 0.57 0.00 | 50.63 0.69 0.00 | 57.63 0.52 0.00 | 89.46 0.23 0.00 | 64.41 -0.53 0.00 | 60.03 -0.39 0.00 | 99.88 -0.71 0.00 | 66.90 -0.34 0.00 | 42.68 -0.25 0.00 | 39.27 -0.49 0.00 | 38.80 -0.46 0.00 |
| STA_67___115KV_BK2 355882 | 71.52 -0.32 0.00 | 37.02 -0.57 0.00 | 35.87 -0.53 0.00 | 35.38 -0.59 0.00 | 38.37 -0.57 0.00 | 40.05 -0.67 0.00 | 51.65 -0.80 0.00 | 60.54 -1.87 0.00 | 36.20 -0.97 0.00 | 37.68 -0.28 0.00 | 47.98 0.24 0.00 | 38.79 0.02 0.00 | 40.28 0.33 0.00 | 49.02 0.73 0.00 | 50.81 0.88 0.00 | 57.82 0.71 0.00 | 89.73 0.50 0.00 | 64.54 -0.40 0.00 | 60.15 -0.27 0.00 | 100.09 -0.50 0.00 | 67.07 -0.18 0.00 | 42.80 -0.14 0.00 | 39.37 -0.39 0.00 | 38.91 -0.35 0.00 |
| STA_7___115KV_9TRANS 80674 | 72.20 0.36 0.00 | 37.36 -0.23 0.00 | 36.20 -0.20 0.00 | 35.70 -0.27 0.00 | 38.72 -0.21 0.00 | 40.45 -0.27 0.00 | 52.21 -0.24 0.00 | 61.19 -1.22 0.00 | 36.60 -0.57 0.00 | 38.08 0.12 0.00 | 48.39 0.64 0.00 | 39.11 0.34 0.00 | 40.63 0.68 0.00 | 49.43 1.14 0.00 | 51.23 1.29 0.00 | 58.29 1.19 0.00 | 90.44 1.21 0.00 | 65.10 0.16 0.00 | 60.71 0.29 0.00 | 101.05 0.47 0.00 | 67.72 0.47 0.00 | 43.19 0.26 0.00 | 39.70 -0.06 0.00 | 39.21 -0.05 0.00 |
| STA_82___115KV_TB1 80780 | 71.48 -0.36 0.00 | 37.00 -0.59 0.00 | 35.84 -0.56 0.00 | 35.35 -0.62 0.00 | 38.35 -0.59 0.00 | 40.05 -0.67 0.00 | 51.62 -0.83 0.00 | 60.52 -1.89 0.00 | 36.19 -0.99 0.00 | 37.68 -0.29 0.00 | 48.00 0.26 0.00 | 38.81 0.04 0.00 | 40.30 0.35 0.00 | 49.05 0.75 0.00 | 50.83 0.90 0.00 | 57.84 0.73 0.00 | 89.75 0.52 0.00 | 64.57 -0.37 0.00 | 60.19 -0.23 0.00 | 100.13 -0.46 0.00 | 67.10 -0.15 0.00 | 42.81 -0.12 0.00 | 39.39 -0.37 0.00 | 38.91 -0.34 0.00 |
| STEEL___WIND 323596 | 71.39 -0.45 0.00 | 36.72 -0.87 0.00 | 35.57 -0.83 0.00 | 35.01 -0.95 0.00 | 38.01 -0.93 0.00 | 39.60 -1.12 0.00 | 50.88 -1.56 0.00 | 58.91 -3.50 0.00 | 35.34 -1.83 0.00 | 37.28 -0.68 0.00 | 47.91 0.16 0.00 | 38.65 -0.12 0.00 | 40.27 0.31 0.00 | 49.17 0.88 0.00 | 51.01 1.07 0.00 | 57.74 0.63 0.00 | 89.15 -0.09 0.00 | 63.59 -1.35 0.00 | 59.39 -1.03 0.00 | 98.67 -1.92 0.00 | 66.23 -1.01 0.00 | 42.40 -0.53 0.00 | 38.77 -0.99 0.00 | 38.45 -0.80 0.00 |
| STEPHTWN_115KV_BK_2 55603 | 71.70 -0.14 0.00 | 37.92 0.33 0.00 | 36.67 0.27 0.00 | 36.32 0.35 0.00 | 39.08 0.14 0.00 | 41.15 0.43 0.00 | 53.49 1.05 0.00 | 63.97 1.55 0.00 | 38.03 0.86 0.00 | 38.49 0.52 0.00 | 48.18 0.44 0.00 | 39.15 0.38 0.00 | 40.32 0.37 0.00 | 48.57 0.28 0.00 | 50.18 0.24 0.00 | 57.59 0.48 0.00 | 91.06 1.83 0.00 | 66.81 1.86 0.00 | 62.43 2.01 0.00 | 103.61 3.02 0.00 | 69.01 1.77 0.00 | 44.11 1.17 0.00 | 40.85 1.09 0.00 | 40.15 0.89 0.00 |
| STEUBEN_REC_LFGE 323667 | 72.38 0.54 0.00 | 37.36 -0.22 0.00 | 35.88 -0.51 0.00 | 35.13 -0.84 0.00 | 38.31 -0.63 0.00 | 39.91 -0.81 0.00 | 51.31 -1.14 0.00 | 59.88 -2.53 0.00 | 34.99 -2.19 0.00 | 36.67 -1.29 0.00 | 46.45 -1.30 0.00 | 36.93 -1.84 0.00 | 38.50 -1.46 0.00 | 46.65 -1.65 0.00 | 48.35 -1.59 0.00 | 55.14 -1.97 0.00 | 85.01 -4.22 0.00 | 60.50 -4.45 0.00 | 56.90 -3.52 0.00 | 94.66 -5.93 0.00 | 63.38 -3.86 0.00 | 40.17 -2.77 0.00 | 36.93 -2.83 0.00 | 36.75 -2.51 0.00 |
| STILLWATER___SOLAR 323814 | 73.86 2.02 0.00 | 38.91 1.32 0.00 | 37.70 1.30 0.00 | 37.31 1.34 0.00 | 40.30 1.36 0.00 | 42.30 1.58 0.00 | 55.02 2.58 0.00 | 65.85 3.44 0.00 | 39.03 1.85 0.00 | 39.41 1.45 0.00 | 49.43 1.68 0.00 | 40.02 1.25 0.00 | 41.08 1.13 0.00 | 49.71 1.42 0.00 | 51.52 1.59 0.00 | 59.21 2.10 0.00 | 93.35 4.12 0.00 | 68.75 3.81 0.00 | 64.45 4.03 0.00 | 106.84 6.26 0.00 | 71.26 4.02 0.00 | 45.37 2.44 0.00 | 42.00 2.24 0.00 | 41.34 2.09 0.00 |
| STONY___BROOK 24151 | 82.60 2.80 -7.96 | 50.75 1.65 -11.52 | 37.79 1.40 0.00 | 37.35 1.38 0.00 | 40.43 1.49 0.00 | 51.28 1.79 -8.77 | 87.50 2.81 -32.24 | 97.05 3.87 -30.76 | 40.88 2.21 -1.50 | 42.20 1.86 -2.38 | 49.82 2.07 0.00 | 40.39 1.63 0.00 | 41.21 1.26 0.00 | 49.56 1.27 0.00 | 51.73 1.79 0.00 | 71.80 2.74 -11.95 | 108.38 3.95 -15.19 | 103.43 4.05 -34.44 | 98.01 4.20 -33.39 | 146.80 6.40 -39.82 | 86.17 4.46 -14.47 | 75.02 2.78 -29.30 | 47.95 2.22 -5.97 | 48.88 1.82 -7.79 |
| STURGEON_POOL_HYD 23609 | 73.14 1.30 0.00 | 38.43 0.84 0.00 | 37.19 0.80 0.00 | 36.82 0.86 0.00 | 39.81 0.87 0.00 | 41.86 1.15 0.00 | 54.45 2.01 0.00 | 65.36 2.95 0.00 | 38.91 1.74 0.00 | 39.29 1.32 0.00 | 49.18 1.44 0.00 | 40.00 1.23 0.00 | 41.07 1.12 0.00 | 49.42 1.13 0.00 | 51.26 1.32 0.00 | 59.06 1.95 0.00 | 92.47 3.24 0.00 | 67.81 2.87 0.00 | 63.56 3.14 0.00 | 105.44 4.86 0.00 | 70.42 3.17 0.00 | 44.89 1.96 0.00 | 41.36 1.60 0.00 | 40.51 1.25 0.00 |
| ST_LAW_115_BK7_LBMP 345037 | 73.15 1.31 0.00 | 38.19 0.60 0.00 | 36.97 0.57 0.00 | 36.48 0.51 0.00 | 39.50 0.56 0.00 | 41.20 0.48 0.00 | 52.91 0.47 0.00 | 62.77 0.36 0.00 | 37.35 0.18 0.00 | 38.29 0.33 0.00 | 48.04 0.30 0.00 | 39.00 0.24 0.00 | 40.32 0.37 0.00 | 48.63 0.34 0.00 | 50.31 0.37 0.00 | 57.48 0.37 0.00 | 89.68 0.45 0.00 | 64.94 -0.01 0.00 | 60.08 -0.34 0.00 | 100.50 -0.08 0.00 | 67.23 -0.02 0.00 | 42.94 0.00 0.00 | 39.74 -0.02 0.00 | 39.29 0.04 0.00 |

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| ST_LAW_115_BK8_LBMP 345038 | 73.15 1.31 0.00 | 38.19 0.60 0.00 | 36.97 0.57 0.00 | 36.48 0.51 0.00 | 39.50 0.56 0.00 | 41.20 0.48 0.00 | 52.91 0.47 0.00 | 62.77 0.36 0.00 | 37.35 0.18 0.00 | 38.29 0.33 0.00 | 48.04 0.30 0.00 | 39.00 0.24 0.00 | 40.32 0.37 0.00 | 48.63 0.34 0.00 | 50.31 0.37 0.00 | 57.48 0.37 0.00 | 89.68 0.45 0.00 | 64.94 -0.01 0.00 | 60.08 -0.34 0.00 | 100.50 -0.08 0.00 | 67.23 -0.02 0.00 | 42.94 0.00 0.00 | 39.74 -0.02 0.00 | 39.29 0.04 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 73.00 1.16 0.00 | 38.12 0.53 0.00 | 36.90 0.51 0.00 | 36.42 0.45 0.00 | 39.44 0.50 0.00 | 41.15 0.43 0.00 | 52.85 0.41 0.00 | 62.71 0.30 0.00 | 37.33 0.15 0.00 | 38.28 0.31 0.00 | 48.05 0.30 0.00 | 39.00 0.23 0.00 | 40.29 0.34 0.00 | 48.60 0.31 0.00 | 50.27 0.34 0.00 | 57.44 0.33 0.00 | 89.63 0.40 0.00 | 64.91 -0.04 0.00 | 60.08 -0.34 0.00 | 100.46 -0.12 0.00 | 67.21 -0.03 0.00 | 42.92 -0.02 0.00 | 39.72 -0.05 0.00 | 39.26 0.00 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 73.00 1.16 0.00 | 38.12 0.53 0.00 | 36.90 0.51 0.00 | 36.42 0.45 0.00 | 39.44 0.50 0.00 | 41.15 0.43 0.00 | 52.85 0.41 0.00 | 62.71 0.30 0.00 | 37.33 0.15 0.00 | 38.28 0.31 0.00 | 48.05 0.30 0.00 | 39.00 0.23 0.00 | 40.29 0.34 0.00 | 48.60 0.31 0.00 | 50.27 0.34 0.00 | 57.44 0.33 0.00 | 89.63 0.40 0.00 | 64.91 -0.04 0.00 | 60.08 -0.34 0.00 | 100.46 -0.12 0.00 | 67.21 -0.03 0.00 | 42.92 -0.02 0.00 | 39.72 -0.05 0.00 | 39.26 0.00 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 72.58 0.73 0.00 | 38.12 0.52 0.00 | 36.87 0.47 0.00 | 36.51 0.54 0.00 | 39.48 0.54 0.00 | 41.52 0.80 0.00 | 53.98 1.54 0.00 | 64.72 2.31 0.00 | 38.49 1.32 0.00 | 38.87 0.90 0.00 | 48.68 0.94 0.00 | 39.66 0.89 0.00 | 40.76 0.81 0.00 | 49.13 0.84 0.00 | 50.97 1.03 0.00 | 58.69 1.58 0.00 | 91.79 2.56 0.00 | 67.26 2.32 0.00 | 62.96 2.54 0.00 | 104.44 3.86 0.00 | 69.80 2.55 0.00 | 44.51 1.57 0.00 | 41.05 1.29 0.00 | 40.20 0.94 0.00 |
| SWANROAD_115KV_TB1 355699 | 69.72 -2.12 0.00 | 35.84 -1.75 0.00 | 34.76 -1.64 0.00 | 34.21 -1.76 0.00 | 37.11 -1.83 0.00 | 38.67 -2.05 0.00 | 49.52 -2.93 0.00 | 57.11 -5.30 0.00 | 34.31 -2.87 0.00 | 36.28 -1.68 0.00 | 46.64 -1.11 0.00 | 37.59 -1.18 0.00 | 39.08 -0.87 0.00 | 47.82 -0.46 0.00 | 49.72 -0.21 0.00 | 56.32 -0.79 0.00 | 86.71 -2.53 0.00 | 61.65 -3.29 0.00 | 57.35 -3.07 0.00 | 95.49 -5.10 0.00 | 64.16 -3.09 0.00 | 41.13 -1.81 0.00 | 37.99 -1.77 0.00 | 37.66 -1.60 0.00 |
| SYNERGY___BIOGAS 323694 | 72.59 0.75 0.00 | 37.41 -0.18 0.00 | 36.25 -0.15 0.00 | 35.72 -0.25 0.00 | 38.80 -0.14 0.00 | 40.55 -0.17 0.00 | 52.27 -0.17 0.00 | 60.79 -1.63 0.00 | 36.39 -0.78 0.00 | 38.21 0.25 0.00 | 48.83 1.08 0.00 | 39.38 0.61 0.00 | 41.04 1.09 0.00 | 50.20 1.91 0.00 | 52.19 2.25 0.00 | 59.17 2.06 0.00 | 91.42 2.19 0.00 | 65.37 0.43 0.00 | 60.95 0.53 0.00 | 101.38 0.79 0.00 | 67.95 0.70 0.00 | 43.34 0.40 0.00 | 39.82 0.06 0.00 | 39.33 0.08 0.00 |
| SYRACUSE___ENERGY_ST1 323597 | 71.73 -0.11 0.00 | 37.46 -0.14 0.00 | 36.26 -0.14 0.00 | 35.84 -0.13 0.00 | 38.83 -0.11 0.00 | 40.59 -0.13 0.00 | 52.38 -0.06 0.00 | 62.19 -0.22 0.00 | 37.03 -0.14 0.00 | 37.90 -0.07 0.00 | 47.81 0.06 0.00 | 38.77 0.01 0.00 | 40.04 0.09 0.00 | 48.52 0.23 0.00 | 50.14 0.20 0.00 | 57.22 0.11 0.00 | 89.28 0.05 0.00 | 64.91 -0.03 0.00 | 60.55 0.13 0.00 | 100.68 0.10 0.00 | 67.31 0.06 0.00 | 42.91 -0.03 0.00 | 39.69 -0.07 0.00 | 39.27 0.01 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 71.73 -0.11 0.00 | 37.46 -0.14 0.00 | 36.26 -0.14 0.00 | 35.84 -0.13 0.00 | 38.83 -0.11 0.00 | 40.59 -0.13 0.00 | 52.38 -0.06 0.00 | 62.19 -0.22 0.00 | 37.03 -0.14 0.00 | 37.90 -0.07 0.00 | 47.81 0.06 0.00 | 38.77 0.01 0.00 | 40.04 0.09 0.00 | 48.52 0.23 0.00 | 50.14 0.20 0.00 | 57.22 0.11 0.00 | 89.28 0.05 0.00 | 64.91 -0.03 0.00 | 60.55 0.13 0.00 | 100.68 0.10 0.00 | 67.31 0.06 0.00 | 42.91 -0.03 0.00 | 39.69 -0.07 0.00 | 39.27 0.01 0.00 |
| SYRACUSE___POWER 24017 | 71.77 -0.07 0.00 | 37.47 -0.13 0.00 | 36.27 -0.13 0.00 | 35.85 -0.12 0.00 | 38.83 -0.11 0.00 | 40.60 -0.11 0.00 | 52.44 -0.01 0.00 | 62.25 -0.16 0.00 | 37.07 -0.10 0.00 | 37.91 -0.05 0.00 | 47.84 0.09 0.00 | 38.81 0.04 0.00 | 40.06 0.11 0.00 | 48.54 0.24 0.00 | 50.17 0.23 0.00 | 57.31 0.21 0.00 | 89.38 0.14 0.00 | 64.98 0.04 0.00 | 60.62 0.20 0.00 | 100.84 0.25 0.00 | 67.41 0.17 0.00 | 42.97 0.03 0.00 | 39.74 -0.02 0.00 | 39.27 0.01 0.00 |
| TALLMAN___138KV_BK151 55660 | 72.70 0.85 0.00 | 38.16 0.57 0.00 | 36.88 0.48 0.00 | 36.54 0.57 0.00 | 39.52 0.59 0.00 | 41.60 0.88 0.00 | 54.15 1.71 0.00 | 65.00 2.58 0.00 | 38.62 1.44 0.00 | 38.99 1.03 0.00 | 48.84 1.09 0.00 | 39.83 1.06 0.00 | 40.97 1.02 0.00 | 49.39 1.10 0.00 | 51.26 1.33 0.00 | 59.04 1.94 0.00 | 92.25 3.02 0.00 | 67.57 2.63 0.00 | 63.22 2.80 0.00 | 104.86 4.28 0.00 | 70.08 2.83 0.00 | 44.67 1.74 0.00 | 41.19 1.43 0.00 | 40.30 1.05 0.00 |
| TEALLAVE_115KV_TB7 355573 | 71.44 -0.40 0.00 | 37.31 -0.29 0.00 | 36.10 -0.29 0.00 | 35.69 -0.28 0.00 | 38.65 -0.28 0.00 | 40.42 -0.30 0.00 | 52.14 -0.30 0.00 | 61.93 -0.48 0.00 | 36.88 -0.29 0.00 | 37.74 -0.23 0.00 | 47.62 -0.13 0.00 | 38.64 -0.13 0.00 | 39.87 -0.08 0.00 | 48.32 0.03 0.00 | 49.95 0.01 0.00 | 57.03 -0.08 0.00 | 88.91 -0.32 0.00 | 64.63 -0.32 0.00 | 60.29 -0.13 0.00 | 100.28 -0.31 0.00 | 67.06 -0.19 0.00 | 42.76 -0.17 0.00 | 39.57 -0.19 0.00 | 39.11 -0.14 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 71.20 -0.64 0.00 | 36.65 -0.94 0.00 | 35.53 -0.87 0.00 | 35.00 -0.97 0.00 | 37.98 -0.95 0.00 | 39.63 -1.09 0.00 | 50.90 -1.55 0.00 | 58.98 -3.43 0.00 | 35.35 -1.83 0.00 | 37.23 -0.73 0.00 | 47.73 -0.02 0.00 | 38.50 -0.27 0.00 | 40.09 0.14 0.00 | 49.01 0.72 0.00 | 50.93 1.00 0.00 | 57.69 0.58 0.00 | 89.02 -0.21 0.00 | 63.51 -1.43 0.00 | 59.18 -1.24 0.00 | 98.50 -2.08 0.00 | 66.09 -1.16 0.00 | 42.26 -0.68 0.00 | 38.87 -0.88 0.00 | 38.47 -0.79 0.00 |
| TEMPLE___115KV_TB 2 55572 | 71.47 -0.37 0.00 | 37.31 -0.28 0.00 | 36.12 -0.28 0.00 | 35.70 -0.27 0.00 | 38.67 -0.27 0.00 | 40.42 -0.29 0.00 | 52.15 -0.29 0.00 | 61.93 -0.48 0.00 | 36.89 -0.28 0.00 | 37.75 -0.21 0.00 | 47.65 -0.10 0.00 | 38.66 -0.11 0.00 | 39.90 -0.05 0.00 | 48.34 0.05 0.00 | 49.98 0.05 0.00 | 57.05 -0.05 0.00 | 88.97 -0.26 0.00 | 64.66 -0.28 0.00 | 60.33 -0.09 0.00 | 100.32 -0.27 0.00 | 67.08 -0.17 0.00 | 42.77 -0.16 0.00 | 39.58 -0.18 0.00 | 39.13 -0.12 0.00 |
| TIANA____69_KV_BK 1 55817 | 83.35 3.57 -7.94 | 51.12 2.04 -11.49 | 37.99 1.59 0.00 | 37.41 1.44 0.00 | 40.40 1.46 0.00 | 51.23 1.79 -8.72 | 87.44 2.87 -32.13 | 97.09 3.99 -30.69 | 40.94 2.29 -1.47 | 42.34 2.00 -2.38 | 50.02 2.27 0.00 | 40.53 1.76 0.00 | 41.26 1.32 0.00 | 49.59 1.29 0.00 | 51.77 1.83 0.00 | 71.61 2.59 -11.92 | 108.95 4.56 -15.16 | 104.07 4.78 -34.35 | 98.36 4.68 -33.26 | 147.47 7.33 -39.56 | 86.26 4.79 -14.22 | 74.45 2.85 -28.66 | 47.43 2.07 -5.61 | 48.47 1.74 -7.48 |
| TILDEN___115KV_TB1 80814 | 71.77 -0.07 0.00 | 37.47 -0.13 0.00 | 36.27 -0.13 0.00 | 35.85 -0.12 0.00 | 38.83 -0.11 0.00 | 40.60 -0.11 0.00 | 52.44 -0.01 0.00 | 62.25 -0.16 0.00 | 37.07 -0.10 0.00 | 37.91 -0.05 0.00 | 47.84 0.09 0.00 | 38.81 0.04 0.00 | 40.06 0.11 0.00 | 48.54 0.24 0.00 | 50.17 0.23 0.00 | 57.31 0.21 0.00 | 89.38 0.14 0.00 | 64.98 0.04 0.00 | 60.62 0.20 0.00 | 100.84 0.25 0.00 | 67.41 0.17 0.00 | 42.97 0.03 0.00 | 39.74 -0.02 0.00 | 39.27 0.01 0.00 |

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| TRIGEN___CC 323695 | 90.12 2.06 -16.22 | 59.17 1.30 -20.28 | 37.57 1.18 0.00 | 37.18 1.22 0.00 | 40.26 1.32 -0.01 | 66.69 1.56 -24.41 | 124.66 2.50 -69.72 | 120.24 3.52 -54.31 | 49.90 2.10 -10.63 | 43.94 1.78 -4.20 | 49.84 2.08 -0.01 | 40.52 1.75 0.00 | 41.50 1.55 0.00 | 50.00 1.71 0.00 | 52.03 2.08 -0.01 | 80.87 2.73 -21.04 | 119.79 3.79 -26.77 | 129.28 3.66 -60.68 | 123.43 3.86 -59.16 | 178.77 6.00 -72.18 | 114.29 4.00 -43.04 | 148.71 2.45 -103.32 | 88.83 2.06 -47.01 | 81.61 1.71 -40.64 |
| TRINITY___115KV___4 BK 55933 | 70.89 -0.95 0.00 | 37.50 -0.09 0.00 | 36.34 -0.05 0.00 | 35.97 0.00 0.00 | 38.80 -0.14 0.00 | 40.65 -0.07 0.00 | 52.71 0.27 0.00 | 63.18 0.77 0.00 | 37.57 0.40 0.00 | 38.11 0.15 0.00 | 47.71 -0.04 0.00 | 38.80 0.03 0.00 | 39.89 -0.06 0.00 | 48.11 -0.19 0.00 | 49.69 -0.25 0.00 | 57.07 -0.04 0.00 | 89.96 0.73 0.00 | 66.08 1.14 0.00 | 61.65 1.23 0.00 | 102.19 1.60 0.00 | 68.20 0.96 0.00 | 43.53 0.59 0.00 | 40.38 0.62 0.00 | 39.72 0.47 0.00 |
| UNION___PROCESSING_DRP 323587 | 71.49 -0.35 0.00 | 37.00 -0.59 0.00 | 35.85 -0.54 0.00 | 35.36 -0.61 0.00 | 38.35 -0.59 0.00 | 40.05 -0.67 0.00 | 51.63 -0.82 0.00 | 60.54 -1.87 0.00 | 36.20 -0.98 0.00 | 37.68 -0.28 0.00 | 48.01 0.26 0.00 | 38.82 0.04 0.00 | 40.30 0.35 0.00 | 49.05 0.76 0.00 | 50.84 0.90 0.00 | 57.84 0.73 0.00 | 89.76 0.53 0.00 | 64.59 -0.35 0.00 | 60.21 -0.21 0.00 | 100.15 -0.43 0.00 | 67.12 -0.13 0.00 | 42.83 -0.11 0.00 | 39.39 -0.37 0.00 | 38.92 -0.34 0.00 |
| UPPER HUDSON___HYD 24058 | 74.84 3.00 0.00 | 39.42 1.83 0.00 | 38.13 1.74 0.00 | 37.73 1.76 0.00 | 40.79 1.86 0.00 | 42.75 2.03 0.00 | 55.93 3.49 0.00 | 67.14 4.73 0.00 | 39.84 2.66 0.00 | 40.19 2.22 0.00 | 50.27 2.53 0.00 | 40.62 1.86 0.00 | 41.72 1.77 0.00 | 50.40 2.11 0.00 | 52.12 2.18 0.00 | 59.92 2.81 0.00 | 94.60 5.37 0.00 | 69.75 4.81 0.00 | 65.53 5.11 0.00 | 108.44 7.85 0.00 | 72.31 5.07 0.00 | 45.98 3.04 0.00 | 42.57 2.82 0.00 | 41.84 2.59 0.00 |
| UPPER RAQUET___HYD 24056 | 72.84 1.00 0.00 | 37.99 0.40 0.00 | 36.77 0.37 0.00 | 36.28 0.32 0.00 | 39.33 0.39 0.00 | 41.07 0.35 0.00 | 52.93 0.49 0.00 | 62.71 0.30 0.00 | 37.10 -0.08 0.00 | 37.76 -0.21 0.00 | 47.17 -0.58 0.00 | 38.22 -0.54 0.00 | 39.60 -0.35 0.00 | 47.87 -0.42 0.00 | 49.51 -0.43 0.00 | 56.70 -0.41 0.00 | 88.58 -0.66 0.00 | 64.21 -0.73 0.00 | 59.48 -0.94 0.00 | 99.97 -0.62 0.00 | 66.92 -0.33 0.00 | 42.50 -0.44 0.00 | 40.03 -0.54 -0.81 | 40.30 -0.56 -1.61 |
| VALLEY44_115KV_TB2 355964 | 71.84 0.00 0.00 | 36.89 -0.70 0.00 | 35.69 -0.71 0.00 | 35.29 -0.68 0.00 | 38.14 -0.80 0.00 | 39.59 -1.13 0.00 | 51.22 -1.23 0.00 | 60.04 -2.37 0.00 | 35.98 -1.20 0.00 | 37.69 -0.27 0.00 | 48.36 0.61 0.00 | 39.40 0.63 0.00 | 41.05 1.10 0.00 | 49.83 1.53 0.00 | 51.52 1.58 0.00 | 58.42 1.31 0.00 | 89.76 0.53 0.00 | 64.03 -0.91 0.00 | 59.77 -0.65 0.00 | 99.11 -1.48 0.00 | 66.30 -0.95 0.00 | 42.28 -0.65 0.00 | 38.74 -1.02 0.00 | 38.43 -0.83 0.00 |
| VALLEY___115KV_TB 1-4 80826 | 70.54 -1.30 0.00 | 37.18 -0.41 0.00 | 35.95 -0.45 0.00 | 35.61 -0.36 0.00 | 38.50 -0.43 0.00 | 40.46 -0.26 0.00 | 52.57 0.13 0.00 | 62.71 0.31 0.00 | 36.77 -0.41 0.00 | 37.04 -0.93 0.00 | 46.71 -1.04 0.00 | 37.71 -1.06 0.00 | 38.47 -1.48 0.00 | 46.97 -1.33 0.00 | 48.31 -1.62 0.00 | 55.74 -1.37 0.00 | 88.55 -0.68 0.00 | 65.19 0.24 0.00 | 61.04 0.62 0.00 | 101.16 0.57 0.00 | 67.61 0.37 0.00 | 43.24 0.30 0.00 | 39.95 0.20 0.00 | 39.26 0.01 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 74.62 2.77 0.00 | 39.06 1.47 0.00 | 37.85 1.46 0.00 | 37.46 1.49 0.00 | 40.56 1.62 0.00 | 42.62 1.90 0.00 | 55.21 2.77 0.00 | 65.75 3.34 0.00 | 39.07 1.90 0.00 | 39.74 1.78 0.00 | 50.10 2.35 0.00 | 40.53 1.76 0.00 | 41.78 1.83 0.00 | 50.40 2.10 0.00 | 52.15 2.22 0.00 | 59.70 2.59 0.00 | 93.28 4.05 0.00 | 68.05 3.11 0.00 | 63.55 3.13 0.00 | 105.72 5.14 0.00 | 70.64 3.39 0.00 | 45.04 2.10 0.00 | 41.57 1.81 0.00 | 40.87 1.61 0.00 |
| VISCHER___FERRY HYD 24020 | 72.05 0.21 0.00 | 38.03 0.44 0.00 | 36.87 0.47 0.00 | 36.49 0.52 0.00 | 39.40 0.46 0.00 | 41.33 0.61 0.00 | 53.65 1.20 0.00 | 64.27 1.86 0.00 | 38.20 1.02 0.00 | 38.65 0.69 0.00 | 48.41 0.66 0.00 | 39.28 0.51 0.00 | 40.38 0.43 0.00 | 48.72 0.43 0.00 | 50.43 0.50 0.00 | 57.95 0.84 0.00 | 91.19 1.96 0.00 | 67.12 2.18 0.00 | 62.78 2.36 0.00 | 104.11 3.53 0.00 | 69.49 2.24 0.00 | 44.31 1.37 0.00 | 41.08 1.33 0.00 | 40.43 1.18 0.00 |
| V_A_10_SYNC_DSASP 323832 | 70.45 -1.39 0.00 | 36.33 -1.26 0.00 | 35.22 -1.18 0.00 | 34.70 -1.27 0.00 | 37.63 -1.31 0.00 | 39.19 -1.53 0.00 | 50.33 -2.11 0.00 | 58.55 -3.86 0.00 | 35.10 -2.07 0.00 | 36.88 -1.08 0.00 | 47.26 -0.48 0.00 | 38.21 -0.56 0.00 | 39.70 -0.25 0.00 | 48.39 0.10 0.00 | 50.20 0.26 0.00 | 56.99 -0.12 0.00 | 88.17 -1.06 0.00 | 63.04 -1.90 0.00 | 58.72 -1.71 0.00 | 97.70 -2.89 0.00 | 65.56 -1.68 0.00 | 41.94 -1.00 0.00 | 38.55 -1.21 0.00 | 38.16 -1.09 0.00 |
| V_CMM_10_SYNC_DSASP 323787 | 73.57 1.73 0.00 | 38.39 0.80 0.00 | 37.17 0.77 0.00 | 36.67 0.70 0.00 | 39.70 0.77 0.00 | 41.42 0.70 0.00 | 53.20 0.76 0.00 | 63.09 0.68 0.00 | 37.55 0.37 0.00 | 38.50 0.53 0.00 | 48.12 0.38 0.00 | 39.18 0.42 0.00 | 40.53 0.58 0.00 | 48.91 0.62 0.00 | 50.60 0.66 0.00 | 57.82 0.71 0.00 | 90.21 0.98 0.00 | 65.31 0.36 0.00 | 60.41 -0.01 0.00 | 101.07 0.48 0.00 | 67.62 0.37 0.00 | 43.18 0.24 0.00 | 39.97 0.21 0.00 | 39.51 0.25 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 73.97 2.13 0.00 | 38.79 1.20 0.00 | 37.60 1.21 0.00 | 37.13 1.16 0.00 | 40.23 1.29 0.00 | 41.86 1.14 0.00 | 53.92 1.47 0.00 | 63.71 1.30 0.00 | 37.79 0.61 0.00 | 38.61 0.64 0.00 | 48.06 0.32 0.00 | 38.82 0.05 0.00 | 40.10 0.15 0.00 | 48.44 0.15 0.00 | 50.16 0.22 0.00 | 57.58 0.47 0.00 | 88.91 -0.32 0.00 | 64.57 -0.37 0.00 | 60.53 0.11 0.00 | 101.40 0.82 0.00 | 67.76 0.52 0.00 | 43.00 0.06 0.00 | 34.43 -0.42 4.91 | 29.03 -0.49 9.74 |
| V_D_10_SYNC_DSASP 323841 | 74.07 2.23 0.00 | 38.64 1.05 0.00 | 37.40 1.01 0.00 | 36.90 0.94 0.00 | 39.97 1.03 0.00 | 41.71 0.99 0.00 | 53.61 1.17 0.00 | 63.54 1.13 0.00 | 37.76 0.58 0.00 | 38.68 0.71 0.00 | 48.52 0.77 0.00 | 39.34 0.56 0.00 | 40.72 0.77 0.00 | 49.14 0.85 0.00 | 50.85 0.91 0.00 | 58.12 1.01 0.00 | 90.71 1.48 0.00 | 65.68 0.74 0.00 | 60.77 0.35 0.00 | 101.75 1.16 0.00 | 68.08 0.83 0.00 | 43.44 0.50 0.00 | 40.37 0.43 -0.18 | 40.06 0.45 -0.36 |
| V_E_10_SYNC_DSASP 323830 | 77.05 5.21 0.00 | 40.20 2.61 0.00 | 38.96 2.57 0.00 | 38.65 2.69 0.00 | 41.95 3.01 0.00 | 44.22 3.50 0.00 | 57.49 5.05 0.00 | 68.16 5.75 0.00 | 39.96 2.79 0.00 | 39.94 1.98 0.00 | 50.93 3.18 0.00 | 41.31 2.54 0.00 | 42.18 2.23 0.00 | 50.90 2.60 0.00 | 52.57 2.64 0.00 | 60.52 3.41 0.00 | 93.67 4.44 0.00 | 67.93 2.99 0.00 | 62.29 1.87 0.00 | 104.41 3.82 0.00 | 69.47 2.23 0.00 | 43.86 0.92 0.00 | 40.17 0.41 0.00 | 39.41 0.15 0.00 |
| V_F_30_NSYNC___DSASP 323816 | 74.05 2.21 0.00 | 39.01 1.42 0.00 | 37.80 1.40 0.00 | 37.41 1.44 0.00 | 40.41 1.48 0.00 | 42.42 1.70 0.00 | 55.18 2.74 0.00 | 66.00 3.59 0.00 | 39.13 1.96 0.00 | 39.53 1.56 0.00 | 49.57 1.83 0.00 | 40.14 1.37 0.00 | 41.22 1.27 0.00 | 49.90 1.61 0.00 | 51.70 1.77 0.00 | 59.40 2.29 0.00 | 93.66 4.43 0.00 | 68.94 3.99 0.00 | 64.62 4.20 0.00 | 107.14 6.56 0.00 | 71.47 4.23 0.00 | 45.49 2.56 0.00 | 42.09 2.33 0.00 | 41.43 2.17 0.00 |

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| V_F_30_SYNC_DSASP 323786 | 71.24 -0.60 0.00 | 37.66 0.07 0.00 | 36.49 0.09 0.00 | 36.12 0.15 0.00 | 38.97 0.03 0.00 | 40.85 0.13 0.00 | 52.97 0.52 0.00 | 63.48 1.06 0.00 | 37.73 0.56 0.00 | 38.29 0.33 0.00 | 47.96 0.21 0.00 | 38.99 0.22 0.00 | 40.07 0.12 0.00 | 48.35 0.06 0.00 | 49.94 0.01 0.00 | 57.38 0.27 0.00 | 90.46 1.23 0.00 | 66.40 1.46 0.00 | 61.96 1.54 0.00 | 102.74 2.15 0.00 | 68.56 1.32 0.00 | 43.75 0.81 0.00 | 40.55 0.79 0.00 | 39.89 0.63 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 73.97 2.13 0.00 | 38.79 1.20 0.00 | 37.60 1.21 0.00 | 37.13 1.16 0.00 | 40.23 1.29 0.00 | 41.86 1.14 0.00 | 53.92 1.47 0.00 | 63.71 1.30 0.00 | 37.79 0.61 0.00 | 38.61 0.64 0.00 | 48.06 0.32 0.00 | 38.82 0.05 0.00 | 40.10 0.15 0.00 | 48.44 0.15 0.00 | 50.16 0.22 0.00 | 57.58 0.47 0.00 | 88.91 -0.32 0.00 | 64.57 -0.37 0.00 | 60.53 0.11 0.00 | 101.40 0.82 0.00 | 67.76 0.52 0.00 | 43.00 0.06 0.00 | 34.43 -0.42 4.91 | 29.03 -0.49 9.74 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 72.95 1.11 0.00 | 38.30 0.71 0.00 | 37.02 0.63 0.00 | 36.68 0.71 0.00 | 39.68 0.74 0.00 | 41.94 1.22 0.00 | 54.65 2.20 0.00 | 65.60 3.19 0.00 | 38.99 1.81 0.00 | 39.36 1.40 0.00 | 49.31 1.56 0.00 | 40.17 1.40 0.00 | 41.32 1.37 0.00 | 49.81 1.52 0.00 | 51.77 1.83 0.00 | 59.66 2.55 0.00 | 93.15 3.92 0.00 | 67.97 3.03 0.00 | 63.51 3.09 0.00 | 105.35 4.76 0.00 | 70.40 3.15 0.00 | 44.87 1.94 0.00 | 41.36 1.60 0.00 | 40.47 1.21 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 73.37 1.53 0.00 | 38.59 1.00 0.00 | 37.32 0.93 0.00 | 36.94 0.98 0.00 | 39.91 0.97 0.00 | 41.97 1.26 0.00 | 54.70 2.26 0.00 | 65.77 3.36 0.00 | 39.22 2.04 0.00 | 39.66 1.69 0.00 | 49.72 1.98 0.00 | 40.55 1.78 0.00 | 41.67 1.73 0.00 | 50.21 1.92 0.00 | 52.02 2.08 0.00 | 59.79 2.68 0.00 | 93.38 4.15 0.00 | 68.56 3.62 0.00 | 64.21 3.79 0.00 | 106.40 5.81 0.00 | 70.98 3.73 0.00 | 45.28 2.34 0.00 | 41.68 1.92 0.00 | 40.77 1.51 0.00 |
| W50THST__13_KV_LOAD 356117 | 73.66 1.82 0.00 | 38.76 1.17 0.00 | 37.48 1.09 0.00 | 37.10 1.14 0.00 | 40.06 1.13 0.00 | 42.15 1.43 0.00 | 54.95 2.50 0.00 | 66.11 3.69 0.00 | 39.45 2.28 0.00 | 39.96 2.00 0.00 | 50.11 2.36 0.00 | 40.87 2.10 0.00 | 42.02 2.07 0.00 | 50.63 2.34 0.00 | 52.46 2.53 0.00 | 60.28 3.17 0.00 | 94.12 4.88 0.00 | 69.12 4.18 0.00 | 64.64 4.22 0.00 | 107.01 6.42 0.00 | 71.36 4.12 0.00 | 45.50 2.56 0.00 | 41.84 2.08 0.00 | 40.92 1.67 0.00 |
| WADING RIVER_IC_1 23522 | 82.58 2.81 -7.93 | 50.71 1.63 -11.48 | 37.72 1.32 0.00 | 37.23 1.26 0.00 | 40.27 1.32 0.00 | 51.09 1.65 -8.72 | 87.17 2.62 -32.11 | 96.72 3.63 -30.68 | 40.70 2.06 -1.47 | 42.05 1.71 -2.38 | 49.59 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.24 0.95 0.00 | 51.41 1.47 0.00 | 71.36 2.34 -11.91 | 108.14 3.75 -15.15 | 103.39 4.11 -34.34 | 97.84 4.18 -33.24 | 146.51 6.40 -39.53 | 85.98 4.54 -14.20 | 74.28 2.75 -28.59 | 47.33 2.00 -5.56 | 48.33 1.63 -7.45 |
| WADING RIVER_IC_2 23547 | 82.58 2.81 -7.93 | 50.71 1.63 -11.48 | 37.72 1.32 0.00 | 37.23 1.26 0.00 | 40.27 1.32 0.00 | 51.09 1.65 -8.72 | 87.17 2.62 -32.11 | 96.72 3.63 -30.68 | 40.70 2.06 -1.47 | 42.05 1.71 -2.38 | 49.59 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.24 0.95 0.00 | 51.41 1.47 0.00 | 71.36 2.34 -11.91 | 108.14 3.75 -15.15 | 103.39 4.11 -34.34 | 97.84 4.18 -33.24 | 146.51 6.40 -39.53 | 85.98 4.54 -14.20 | 74.28 2.75 -28.59 | 47.33 2.00 -5.56 | 48.33 1.63 -7.45 |
| WADING RIVER_IC_3 23601 | 82.58 2.81 -7.93 | 50.71 1.63 -11.48 | 37.72 1.32 0.00 | 37.23 1.26 0.00 | 40.27 1.32 0.00 | 51.09 1.65 -8.72 | 87.17 2.62 -32.11 | 96.72 3.63 -30.68 | 40.70 2.06 -1.47 | 42.05 1.71 -2.38 | 49.59 1.85 0.00 | 40.20 1.43 0.00 | 40.97 1.02 0.00 | 49.24 0.95 0.00 | 51.41 1.47 0.00 | 71.36 2.34 -11.91 | 108.14 3.75 -15.15 | 103.39 4.11 -34.34 | 97.84 4.18 -33.24 | 146.51 6.40 -39.53 | 85.98 4.54 -14.20 | 74.28 2.75 -28.59 | 47.33 2.00 -5.56 | 48.33 1.63 -7.45 |
| WALDENNY_12_KV_BK2 80841 | 71.49 -0.35 0.00 | 36.75 -0.84 0.00 | 35.60 -0.79 0.00 | 35.06 -0.91 0.00 | 38.04 -0.89 0.00 | 39.64 -1.08 0.00 | 50.94 -1.50 0.00 | 58.98 -3.43 0.00 | 35.42 -1.76 0.00 | 37.37 -0.59 0.00 | 48.03 0.29 0.00 | 38.76 -0.01 0.00 | 40.36 0.41 0.00 | 49.29 0.99 0.00 | 51.11 1.17 0.00 | 57.93 0.82 0.00 | 89.36 0.13 0.00 | 63.71 -1.23 0.00 | 59.44 -0.98 0.00 | 98.78 -1.81 0.00 | 66.30 -0.95 0.00 | 42.42 -0.52 0.00 | 38.87 -0.89 0.00 | 38.53 -0.73 0.00 |
| WALDEN__HYDRO 24148 | 73.06 1.21 0.00 | 38.38 0.79 0.00 | 37.12 0.73 0.00 | 36.76 0.79 0.00 | 39.75 0.82 0.00 | 41.82 1.10 0.00 | 54.40 1.96 0.00 | 65.26 2.85 0.00 | 38.79 1.61 0.00 | 39.15 1.18 0.00 | 48.99 1.25 0.00 | 39.88 1.11 0.00 | 40.96 1.01 0.00 | 49.35 1.06 0.00 | 51.21 1.27 0.00 | 59.03 1.93 0.00 | 92.42 3.19 0.00 | 67.74 2.80 0.00 | 63.46 3.04 0.00 | 105.32 4.73 0.00 | 70.35 3.10 0.00 | 44.83 1.90 0.00 | 41.33 1.57 0.00 | 40.47 1.22 0.00 |
| WARRENSBURG____ 23737 | 74.82 2.98 0.00 | 39.42 1.83 0.00 | 38.13 1.74 0.00 | 37.73 1.76 0.00 | 40.79 1.86 0.00 | 42.75 2.03 0.00 | 55.94 3.49 0.00 | 67.14 4.73 0.00 | 39.84 2.66 0.00 | 40.19 2.22 0.00 | 50.28 2.54 0.00 | 40.62 1.86 0.00 | 41.72 1.77 0.00 | 50.40 2.11 0.00 | 52.12 2.18 0.00 | 59.91 2.80 0.00 | 94.60 5.37 0.00 | 69.75 4.81 0.00 | 65.53 5.11 0.00 | 108.44 7.85 0.00 | 72.31 5.07 0.00 | 45.98 3.05 0.00 | 42.57 2.82 0.00 | 41.84 2.58 0.00 |
| WATERSIDE____6 8 9 23538 | 71.11 1.72 2.46 | 34.90 1.08 3.77 | 33.52 1.01 3.88 | 33.07 1.05 3.94 | 36.66 1.06 3.34 | 39.06 1.37 3.03 | 52.91 2.36 1.89 | 64.34 3.49 1.56 | 35.41 2.14 3.90 | 35.82 1.72 3.86 | 47.25 1.97 2.47 | 36.95 1.80 3.63 | 38.64 1.72 3.03 | 47.78 1.90 2.41 | 49.85 2.08 2.17 | 58.49 2.70 1.32 | 90.94 4.12 2.42 | 62.08 3.59 6.45 | 56.92 3.83 7.32 | 106.43 5.85 0.00 | 70.23 3.81 0.83 | 41.85 2.43 3.52 | 38.63 2.02 3.15 | 37.71 1.63 3.16 |
| WATKINRD_115KV_LN8_ILLION 55919 | 70.36 -1.49 0.00 | 37.19 -0.40 0.00 | 35.91 -0.48 0.00 | 35.58 -0.38 0.00 | 38.47 -0.46 0.00 | 40.48 -0.24 0.00 | 52.74 0.30 0.00 | 62.93 0.52 0.00 | 36.73 -0.44 0.00 | 36.88 -1.08 0.00 | 46.59 -1.15 0.00 | 37.52 -1.25 0.00 | 38.25 -1.70 0.00 | 46.87 -1.42 0.00 | 48.12 -1.81 0.00 | 55.61 -1.50 0.00 | 88.09 -1.14 0.00 | 65.22 0.28 0.00 | 61.35 0.93 0.00 | 101.47 0.89 0.00 | 67.77 0.52 0.00 | 43.37 0.43 0.00 | 40.00 0.24 0.00 | 39.27 0.02 0.00 |
| WATSON__69_KV_BK 1 55734 | 83.35 3.25 -8.25 | 51.27 1.88 -11.80 | 38.07 1.67 0.00 | 37.62 1.66 0.00 | 40.75 1.81 0.00 | 52.22 2.12 -9.39 | 89.28 3.23 -33.61 | 98.20 4.27 -31.52 | 41.51 2.47 -1.86 | 42.56 2.15 -2.44 | 50.22 2.47 0.00 | 40.71 1.94 0.00 | 41.54 1.59 0.00 | 49.98 1.69 0.00 | 52.22 2.28 0.00 | 72.65 3.30 -12.24 | 109.53 4.75 -15.56 | 104.80 4.52 -35.33 | 99.58 4.65 -34.51 | 149.39 7.39 -41.42 | 88.40 5.06 -16.09 | 79.71 3.17 -33.60 | 50.85 2.60 -8.49 | 51.43 2.24 -9.94 |
| WDELAWARE__HYD 323627 | 73.60 1.76 0.00 | 38.77 1.18 0.00 | 37.53 1.13 0.00 | 37.19 1.22 0.00 | 40.24 1.30 0.00 | 42.34 1.63 0.00 | 55.08 2.64 0.00 | 65.95 3.54 0.00 | 39.12 1.95 0.00 | 39.52 1.55 0.00 | 49.50 1.75 0.00 | 40.19 1.42 0.00 | 41.18 1.23 0.00 | 49.61 1.32 0.00 | 52.28 2.35 0.00 | 60.87 3.76 0.00 | 95.22 5.99 0.00 | 69.81 4.87 0.00 | 65.45 5.03 0.00 | 108.27 7.68 0.00 | 71.94 4.69 0.00 | 45.81 2.87 0.00 | 42.17 2.41 0.00 | 41.32 2.07 0.00 |

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|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| WEST BABYLON___IC 23714 | 83.85 2.97 -9.04 | 51.95 1.78 -12.59 | 38.01 1.61 0.00 | 37.56 1.60 0.00 | 40.68 1.74 0.00 | 53.69 2.02 -10.96 | 92.74 3.09 -37.22 | 100.16 4.12 -33.64 | 42.45 2.42 -2.85 | 42.65 2.08 -2.61 | 50.17 2.42 0.00 | 40.68 1.91 0.00 | 41.54 1.59 0.00 | 50.01 1.72 0.00 | 52.22 2.28 0.00 | 73.39 3.23 -13.06 | 110.40 4.58 -16.59 | 107.08 4.35 -37.79 | 102.52 4.56 -37.54 | 153.33 7.38 -45.37 | 92.35 5.01 -20.09 | 90.21 3.11 -44.16 | 56.99 2.58 -14.65 | 56.55 2.21 -15.08 |
| WEST CANADA___HYD 24049 | 71.56 -0.27 0.00 | 37.50 -0.09 0.00 | 36.32 -0.07 0.00 | 35.90 -0.07 0.00 | 38.86 -0.08 0.00 | 40.68 -0.03 0.00 | 52.51 0.07 0.00 | 62.61 0.20 0.00 | 37.24 0.07 0.00 | 37.92 -0.04 0.00 | 47.67 -0.08 0.00 | 38.72 -0.05 0.00 | 39.80 -0.15 0.00 | 48.14 -0.15 0.00 | 49.76 -0.18 0.00 | 56.98 -0.13 0.00 | 89.18 -0.05 0.00 | 65.06 0.11 0.00 | 60.62 0.20 0.00 | 100.87 0.29 0.00 | 67.42 0.18 0.00 | 43.01 0.08 0.00 | 39.81 0.05 0.00 | 39.25 -0.01 0.00 |
| WESTERN_NY_WIND 24143 | 72.53 0.68 0.00 | 37.36 -0.23 0.00 | 36.21 -0.19 0.00 | 35.68 -0.29 0.00 | 38.74 -0.20 0.00 | 40.50 -0.22 0.00 | 52.19 -0.25 0.00 | 60.68 -1.74 0.00 | 36.31 -0.86 0.00 | 38.16 0.19 0.00 | 48.77 1.03 0.00 | 39.33 0.56 0.00 | 41.00 1.04 0.00 | 50.15 1.85 0.00 | 52.13 2.19 0.00 | 59.10 1.99 0.00 | 91.28 2.05 0.00 | 65.27 0.33 0.00 | 60.84 0.42 0.00 | 101.23 0.64 0.00 | 67.84 0.60 0.00 | 43.29 0.35 0.00 | 39.77 0.00 0.00 | 39.27 0.01 0.00 |
| WESTOVER___LESR 323668 | 71.98 0.14 0.00 | 37.45 -0.14 0.00 | 36.25 -0.15 0.00 | 35.86 -0.11 0.00 | 38.84 -0.10 0.00 | 40.62 -0.10 0.00 | 52.58 0.14 0.00 | 62.42 0.01 0.00 | 37.19 0.02 0.00 | 38.05 0.08 0.00 | 48.26 0.52 0.00 | 39.15 0.38 0.00 | 40.40 0.45 0.00 | 48.88 0.58 0.00 | 50.55 0.61 0.00 | 57.74 0.63 0.00 | 89.70 0.47 0.00 | 65.05 0.11 0.00 | 60.89 0.47 0.00 | 101.04 0.46 0.00 | 67.54 0.30 0.00 | 43.03 0.09 0.00 | 39.63 -0.13 0.00 | 39.14 -0.11 0.00 |
| WETHRSFD_WT_PWR 323626 | 70.39 -1.45 0.00 | 36.26 -1.32 0.00 | 34.95 -1.44 0.00 | 34.32 -1.64 0.00 | 37.32 -1.62 0.00 | 38.72 -2.00 0.00 | 49.82 -2.62 0.00 | 57.78 -4.63 0.00 | 34.07 -3.10 0.00 | 35.74 -2.22 0.00 | 45.56 -2.18 0.00 | 36.68 -2.09 0.00 | 38.47 -1.48 0.00 | 46.84 -1.45 0.00 | 48.41 -1.53 0.00 | 54.40 -2.71 0.00 | 83.61 -5.62 0.00 | 60.01 -4.93 0.00 | 56.41 -4.01 0.00 | 94.18 -6.40 0.00 | 63.14 -4.10 0.00 | 39.97 -2.97 0.00 | 36.71 -3.05 0.00 | 36.45 -2.81 0.00 |
| WHAVSTOR_138KV_BK127 55557 | 72.70 0.85 0.00 | 38.17 0.58 0.00 | 36.90 0.51 0.00 | 36.56 0.60 0.00 | 39.54 0.60 0.00 | 41.60 0.88 0.00 | 54.13 1.69 0.00 | 64.97 2.56 0.00 | 38.62 1.45 0.00 | 39.01 1.05 0.00 | 48.86 1.12 0.00 | 39.84 1.07 0.00 | 40.97 1.02 0.00 | 49.37 1.08 0.00 | 51.23 1.29 0.00 | 58.98 1.87 0.00 | 92.15 2.92 0.00 | 67.56 2.61 0.00 | 63.23 2.81 0.00 | 104.88 4.30 0.00 | 70.08 2.83 0.00 | 44.67 1.74 0.00 | 41.20 1.44 0.00 | 40.32 1.06 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 72.70 0.85 0.00 | 38.17 0.58 0.00 | 36.90 0.51 0.00 | 36.56 0.60 0.00 | 39.54 0.60 0.00 | 41.60 0.88 0.00 | 54.13 1.69 0.00 | 64.97 2.56 0.00 | 38.62 1.45 0.00 | 39.01 1.05 0.00 | 48.86 1.12 0.00 | 39.84 1.07 0.00 | 40.97 1.02 0.00 | 49.37 1.08 0.00 | 51.23 1.29 0.00 | 58.98 1.87 0.00 | 92.15 2.92 0.00 | 67.56 2.61 0.00 | 63.23 2.81 0.00 | 104.88 4.30 0.00 | 70.08 2.83 0.00 | 44.67 1.74 0.00 | 41.20 1.44 0.00 | 40.32 1.06 0.00 |
| WHITEHAL_115KV_TB1 80871 | 76.67 4.83 0.00 | 40.59 3.00 0.00 | 39.03 2.64 0.00 | 38.52 2.55 0.00 | 41.66 2.72 0.00 | 43.30 2.58 0.00 | 56.82 4.37 0.00 | 68.52 6.11 0.00 | 40.94 3.77 0.00 | 41.28 3.32 0.00 | 51.18 3.44 0.00 | 41.08 2.31 0.00 | 42.39 2.45 0.00 | 51.29 3.00 0.00 | 52.86 2.93 0.00 | 60.94 3.83 0.00 | 96.27 7.04 0.00 | 71.46 6.52 0.00 | 67.52 7.10 0.00 | 110.75 10.16 0.00 | 73.73 6.48 0.00 | 46.86 3.92 0.00 | 43.79 4.03 0.00 | 43.03 3.77 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 73.77 1.93 0.00 | 38.75 1.16 0.00 | 37.47 1.07 0.00 | 37.10 1.13 0.00 | 40.10 1.16 0.00 | 42.18 1.46 0.00 | 54.99 2.54 0.00 | 66.08 3.67 0.00 | 39.37 2.20 0.00 | 39.77 1.81 0.00 | 49.82 2.07 0.00 | 40.57 1.80 0.00 | 41.68 1.73 0.00 | 50.22 1.93 0.00 | 52.09 2.15 0.00 | 59.98 2.87 0.00 | 93.77 4.55 0.00 | 68.84 3.90 0.00 | 64.52 4.10 0.00 | 106.93 6.35 0.00 | 71.37 4.13 0.00 | 45.51 2.57 0.00 | 41.89 2.13 0.00 | 40.99 1.74 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 82.73 2.94 -7.95 | 50.78 1.68 -11.50 | 37.80 1.40 0.00 | 37.32 1.35 0.00 | 40.39 1.44 0.00 | 51.23 1.76 -8.75 | 87.41 2.77 -32.20 | 96.95 3.81 -30.73 | 40.81 2.14 -1.49 | 42.13 1.78 -2.38 | 49.68 1.94 0.00 | 40.24 1.47 0.00 | 41.04 1.09 0.00 | 49.33 1.04 0.00 | 51.50 1.57 0.00 | 71.54 2.49 -11.94 | 108.36 3.95 -15.18 | 103.60 4.26 -34.40 | 98.11 4.37 -33.32 | 146.87 6.63 -39.65 | 86.16 4.59 -14.31 | 74.63 2.79 -28.91 | 47.66 2.15 -5.75 | 48.62 1.76 -7.60 |
| WOODARD__115KV_TB2 355635 | 71.34 -0.50 0.00 | 37.25 -0.33 0.00 | 36.07 -0.33 0.00 | 35.64 -0.32 0.00 | 38.61 -0.32 0.00 | 40.37 -0.35 0.00 | 52.06 -0.39 0.00 | 61.81 -0.60 0.00 | 36.83 -0.35 0.00 | 37.68 -0.28 0.00 | 47.52 -0.23 0.00 | 38.55 -0.22 0.00 | 39.78 -0.17 0.00 | 48.21 -0.08 0.00 | 49.83 -0.11 0.00 | 56.87 -0.23 0.00 | 88.72 -0.51 0.00 | 64.51 -0.44 0.00 | 60.16 -0.26 0.00 | 100.07 -0.51 0.00 | 66.92 -0.33 0.00 | 42.67 -0.26 0.00 | 39.50 -0.25 0.00 | 39.06 -0.20 0.00 |
| YORK___WARBASSE 23770 | 86.39 2.28 -12.26 | 57.78 1.37 -18.82 | 57.05 1.28 -19.37 | 56.98 1.33 -19.68 | 56.96 1.35 -16.68 | 57.48 1.67 -15.09 | 64.59 2.73 -9.42 | 74.02 3.84 -7.77 | 59.29 2.40 -19.71 | 59.22 2.00 -19.25 | 62.39 2.32 -12.32 | 58.96 2.09 -18.09 | 57.07 2.03 -15.10 | 62.58 2.27 -12.01 | 63.21 2.45 -10.82 | 66.82 3.12 -6.60 | 106.04 4.76 -12.05 | 101.20 4.06 -32.20 | 101.16 4.22 -36.52 | 107.15 6.54 -0.02 | 75.71 4.32 -4.15 | 63.27 2.76 -17.57 | 57.78 2.33 -15.69 | 56.95 1.92 -15.78 |