

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

05/21/2025

| 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 | 38.24 | 30.34 | 29.64 | 29.67 | 29.35 | 35.10 | 40.54 | 36.11 | 35.70 | 45.13 | 47.41 | 44.99 | 52.73 | 47.62 | 42.99 | 45.67 | 50.90 | 58.77 | 52.96 | 44.45 | 55.81 | 52.29 | 36.09 | 31.04 |
| 24138 | 1.63 | 1.21 | 1.06 | 1.10 | 1.12 | 1.25 | 1.57 | 1.63 | 1.72 | 2.03 | 2.18 | 2.24 | 2.50 | 2.50 | 2.60 | 2.74 | 2.67 | 2.90 | 2.57 | 2.06 | 2.46 | 2.57 | 1.97 | 1.82 |
| | 0.00 | 0.00 | 0.50 | 0.31 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 38.32 | 30.42 | 29.71 | 29.73 | 29.42 | 35.18 | 40.62 | 36.18 | 35.74 | 45.17 | 47.48 | 45.05 | 52.79 | 47.68 | 43.04 | 45.72 | 50.97 | 58.85 | 53.06 | 44.54 | 55.93 | 52.31 | 36.07 | 31.02 |
| 24260 | 1.71 | 1.29 | 1.13 | 1.17 | 1.19 | 1.33 | 1.66 | 1.69 | 1.77 | 2.07 | 2.25 | 2.30 | 2.56 | 2.56 | 2.65 | 2.79 | 2.74 | 2.98 | 2.68 | 2.16 | 2.59 | 2.59 | 1.95 | 1.80 |
| | 0.00 | 0.00 | 0.50 | 0.31 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 38.32 | 30.42 | 29.71 | 29.73 | 29.42 | 35.18 | 40.62 | 36.18 | 35.74 | 45.17 | 47.48 | 45.05 | 52.79 | 47.68 | 43.04 | 45.72 | 50.97 | 58.85 | 53.06 | 44.54 | 55.93 | 52.31 | 36.07 | 31.02 |
| 24261 | 1.71 | 1.29 | 1.13 | 1.17 | 1.19 | 1.33 | 1.66 | 1.69 | 1.77 | 2.07 | 2.25 | 2.30 | 2.56 | 2.56 | 2.65 | 2.79 | 2.74 | 2.98 | 2.68 | 2.16 | 2.59 | 2.59 | 1.95 | 1.80 |
| | 0.00 | 0.00 | 0.50 | 0.31 | 1.07 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 38.00 | 30.34 | 29.94 | 29.79 | 29.73 | 35.18 | 40.77 | 36.29 | 35.51 | 44.98 | 47.33 | 44.67 | 52.30 | 47.07 | 42.17 | 44.88 | 50.17 | 58.50 | 52.89 | 44.65 | 56.48 | 52.54 | 35.88 | 30.81 |
| 24011 | 1.39 | 1.21 | 1.21 | 1.12 | 1.16 | 1.33 | 1.80 | 1.80 | 1.54 | 1.89 | 2.10 | 1.93 | 2.07 | 1.95 | 1.78 | 1.96 | 1.94 | 2.63 | 2.51 | 2.26 | 3.14 | 2.82 | 1.76 | 1.59 |
| | 0.00 | 0.00 | 0.34 | 0.21 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 38.17 | 30.55 | 30.12 | 29.90 | 29.85 | 35.30 | 41.00 | 36.55 | 35.73 | 45.22 | 47.64 | 44.93 | 52.59 | 47.28 | 42.32 | 45.06 | 50.36 | 58.78 | 53.20 | 44.95 | 56.97 | 52.92 | 36.08 | 30.99 |
| 23798 | 1.56 | 1.41 | 1.37 | 1.24 | 1.28 | 1.45 | 2.03 | 2.07 | 1.76 | 2.13 | 2.41 | 2.18 | 2.36 | 2.16 | 1.93 | 2.13 | 2.13 | 2.91 | 2.82 | 2.57 | 3.63 | 3.20 | 1.96 | 1.77 |
| | 0.00 | 0.00 | 0.34 | 0.21 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 38.00 | 30.34 | 29.94 | 29.79 | 29.73 | 35.18 | 40.77 | 36.29 | 35.51 | 44.98 | 47.33 | 44.67 | 52.30 | 47.07 | 42.17 | 44.88 | 50.17 | 58.50 | 52.89 | 44.65 | 56.48 | 52.54 | 35.88 | 30.81 |
| 24028 | 1.39 | 1.21 | 1.21 | 1.12 | 1.16 | 1.33 | 1.80 | 1.80 | 1.54 | 1.89 | 2.10 | 1.93 | 2.07 | 1.95 | 1.78 | 1.96 | 1.94 | 2.63 | 2.51 | 2.26 | 3.14 | 2.82 | 1.76 | 1.59 |
| | 0.00 | 0.00 | 0.34 | 0.21 | 0.73 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 37.67 | 30.04 | 29.80 | 29.66 | 29.58 | 34.90 | 40.16 | 35.77 | 34.94 | 44.43 | 46.54 | 43.90 | 51.61 | 46.53 | 41.64 | 44.19 | 48.93 | 57.06 | 51.50 | 43.44 | 54.82 | 51.20 | 35.12 | 30.32 |
| 23527 | 1.06 | 0.91 | 1.06 | 1.00 | 1.02 | 1.05 | 1.19 | 1.29 | 0.97 | 1.34 | 1.31 | 1.15 | 1.38 | 1.41 | 1.24 | 1.27 | 0.70 | 1.19 | 1.12 | 1.06 | 1.48 | 1.49 | 1.00 | 1.11 |
| | 0.00 | 0.00 | 0.35 | 0.21 | 0.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 36.49 | 29.13 | 28.76 | 28.68 | 28.58 | 33.80 | 38.91 | 34.55 | 33.85 | 42.81 | 44.97 | 42.51 | 49.94 | 45.00 | 40.42 | 42.93 | 47.78 | 55.49 | 50.07 | 42.18 | 53.03 | 49.52 | 34.07 | 29.37 |
| 24190 | -0.12 | -0.01 | 0.03 | 0.02 | 0.04 | -0.05 | -0.05 | 0.07 | -0.12 | -0.28 | -0.26 | -0.23 | -0.29 | -0.12 | 0.03 | 0.01 | -0.45 | -0.38 | -0.32 | -0.21 | -0.32 | -0.19 | -0.05 | 0.15 |
| | 0.00 | 0.00 | 0.36 | 0.22 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 36.76 | 29.29 | 28.95 | 28.87 | 28.70 | 34.15 | 39.32 | 34.65 | 34.14 | 43.43 | 45.46 | 43.01 | 50.73 | 45.33 | 40.29 | 42.87 | 48.49 | 56.25 | 50.73 | 42.70 | 53.79 | 50.00 | 34.22 | 29.13 |
| 355683 | 0.15 | 0.16 | 0.25 | 0.23 | 0.21 | 0.30 | 0.35 | 0.17 | 0.17 | 0.34 | 0.23 | 0.27 | 0.50 | 0.21 | -0.11 | -0.06 | 0.26 | 0.38 | 0.35 | 0.32 | 0.45 | 0.28 | 0.10 | -0.09 |
| | 0.00 | 0.00 | 0.38 | 0.23 | 0.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 37.23 | 29.68 | 29.29 | 29.23 | 29.12 | 34.51 | 39.71 | 35.19 | 34.48 | 43.57 | 45.78 | 43.27 | 50.81 | 45.81 | 41.13 | 43.66 | 48.75 | 56.58 | 51.08 | 43.03 | 54.18 | 50.60 | 34.77 | 29.88 |
| 323833 | 0.62 | 0.55 | 0.58 | 0.58 | 0.61 | 0.66 | 0.74 | 0.71 | 0.50 | 0.48 | 0.55 | 0.53 | 0.58 | 0.69 | 0.74 | 0.74 | 0.52 | 0.71 | 0.69 | 0.65 | 0.84 | 0.88 | 0.65 | 0.66 |
| | 0.00 | 0.00 | 0.37 | 0.22 | 0.79 | 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 |
| ALBANY_2_SOLAR | 37.22 | 29.68 | 29.28 | 29.22 | 29.12 | 34.50 | 39.70 | 35.17 | 34.47 | 43.55 | 45.77 | 43.27 | 50.81 | 45.80 | 41.12 | 43.65 | 48.73 | 56.58 | 51.06 | 43.02 | 54.17 | 50.58 | 34.75 | 29.88 |
| 323834 | 0.61 | 0.54 | 0.56 | 0.57 | 0.61 | 0.65 | 0.74 | 0.69 | 0.49 | 0.46 | 0.54 | 0.52 | 0.57 | 0.68 | 0.72 | 0.73 | 0.50 | 0.70 | 0.67 | 0.64 | 0.83 | 0.86 | 0.63 | 0.65 |
| | 0.00 | 0.00 | 0.37 | 0.22 | 0.79 | 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 |
| ALBANY___1 | 36.49 | 29.13 | 28.76 | 28.68 | 28.58 | 33.80 | 38.91 | 34.55 | 33.85 | 42.81 | 44.97 | 42.51 | 49.94 | 45.00 | 40.42 | 42.93 | 47.78 | 55.49 | 50.07 | 42.18 | 53.03 | 49.52 | 34.07 | 29.37 |
| 23571 | -0.12 | -0.01 | 0.03 | 0.02 | 0.04 | -0.05 | -0.05 | 0.07 | -0.12 | -0.28 | -0.26 | -0.23 | -0.29 | -0.12 | 0.03 | 0.01 | -0.45 | -0.38 | -0.32 | -0.21 | -0.32 | -0.19 | -0.05 | 0.15 |
| | 0.00 | 0.00 | 0.36 | 0.22 | 0.76 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 36.49 -0.12 0.00 | 29.13 -0.01 0.00 | 28.76 0.03 0.36 | 28.68 0.02 0.22 | 28.58 0.04 0.76 | 33.80 -0.05 0.00 | 38.91 -0.05 0.00 | 34.55 0.07 0.00 | 33.85 -0.12 0.00 | 42.81 -0.28 0.00 | 44.97 -0.26 0.00 | 42.51 -0.23 0.00 | 49.94 -0.29 0.00 | 45.00 -0.12 0.00 | 40.42 0.03 0.00 | 42.93 0.01 0.00 | 47.78 -0.45 0.00 | 55.49 -0.38 0.00 | 50.07 -0.32 0.00 | 42.18 -0.21 0.00 | 53.03 -0.32 0.00 | 49.52 -0.19 0.00 | 34.07 -0.05 0.00 | 29.37 0.15 0.00 |
| ALBANY___3 23573 | 36.49 -0.12 0.00 | 29.13 -0.01 0.00 | 28.76 0.03 0.36 | 28.68 0.02 0.22 | 28.58 0.04 0.76 | 33.80 -0.05 0.00 | 38.91 -0.05 0.00 | 34.55 0.07 0.00 | 33.85 -0.12 0.00 | 42.81 -0.28 0.00 | 44.97 -0.26 0.00 | 42.51 -0.23 0.00 | 49.94 -0.29 0.00 | 45.00 -0.12 0.00 | 40.42 0.03 0.00 | 42.93 0.01 0.00 | 47.78 -0.45 0.00 | 55.49 -0.38 0.00 | 50.07 -0.32 0.00 | 42.18 -0.21 0.00 | 53.03 -0.32 0.00 | 49.52 -0.19 0.00 | 34.07 -0.05 0.00 | 29.37 0.15 0.00 |
| ALBANY___4 23574 | 36.49 -0.12 0.00 | 29.13 -0.01 0.00 | 28.76 0.03 0.36 | 28.68 0.02 0.22 | 28.58 0.04 0.76 | 33.80 -0.05 0.00 | 38.91 -0.05 0.00 | 34.55 0.07 0.00 | 33.85 -0.12 0.00 | 42.81 -0.28 0.00 | 44.97 -0.26 0.00 | 42.51 -0.23 0.00 | 49.94 -0.29 0.00 | 45.00 -0.12 0.00 | 40.42 0.03 0.00 | 42.93 0.01 0.00 | 47.78 -0.45 0.00 | 55.49 -0.38 0.00 | 50.07 -0.32 0.00 | 42.18 -0.21 0.00 | 53.03 -0.32 0.00 | 49.52 -0.19 0.00 | 34.07 -0.05 0.00 | 29.37 0.15 0.00 |
| ALBANY___LFGE 323615 | 36.84 0.23 0.00 | 29.39 0.26 0.00 | 29.02 0.28 0.35 | 28.93 0.27 0.21 | 28.84 0.30 0.75 | 34.12 0.27 0.00 | 39.31 0.34 0.00 | 34.88 0.40 0.00 | 34.19 0.22 0.00 | 43.25 0.16 0.00 | 45.47 0.24 0.00 | 42.97 0.23 0.00 | 50.47 0.24 0.00 | 45.49 0.37 0.00 | 40.85 0.45 0.00 | 43.36 0.44 0.00 | 48.27 0.05 0.00 | 56.10 0.23 0.00 | 50.60 0.21 0.00 | 42.62 0.23 0.00 | 53.57 0.23 0.00 | 50.03 0.31 0.00 | 34.40 0.27 0.00 | 29.64 0.41 0.00 |
| ALCOA_PA_115KV_PL-6C 55860 | 36.87 0.26 0.00 | 29.37 0.24 0.00 | 28.94 0.33 0.47 | 28.90 0.31 0.29 | 28.59 0.29 1.00 | 34.27 0.42 0.00 | 39.45 0.48 0.00 | 34.73 0.25 0.00 | 34.21 0.24 0.00 | 43.67 0.58 0.00 | 45.53 0.30 0.00 | 43.07 0.33 0.00 | 50.98 0.75 0.00 | 45.54 0.42 0.00 | 40.34 -0.06 0.00 | 42.92 0.00 0.00 | 48.53 0.30 0.00 | 56.32 0.45 0.00 | 50.82 0.43 0.00 | 42.78 0.39 0.00 | 53.90 0.56 0.00 | 50.11 0.39 0.00 | 34.31 0.19 0.00 | 29.18 -0.04 0.00 |
| ALCOA_RYNLDS___DRP 24188 | 36.87 0.26 0.00 | 29.37 0.24 0.00 | 28.94 0.33 0.47 | 28.90 0.31 0.29 | 28.59 0.29 1.00 | 34.27 0.42 0.00 | 39.45 0.48 0.00 | 34.73 0.25 0.00 | 34.21 0.24 0.00 | 43.67 0.58 0.00 | 45.53 0.30 0.00 | 43.07 0.33 0.00 | 50.98 0.75 0.00 | 45.54 0.42 0.00 | 40.34 -0.06 0.00 | 42.92 0.00 0.00 | 48.53 0.30 0.00 | 56.32 0.45 0.00 | 50.82 0.43 0.00 | 42.78 0.39 0.00 | 53.90 0.56 0.00 | 50.11 0.39 0.00 | 34.31 0.19 0.00 | 29.18 -0.04 0.00 |
| ALCOA___DSASP 323711 | 36.87 0.26 0.00 | 29.37 0.24 0.00 | 28.95 0.33 0.47 | 28.90 0.31 0.29 | 28.59 0.29 1.00 | 34.27 0.42 0.00 | 39.45 0.48 0.00 | 34.73 0.25 0.00 | 34.21 0.24 0.00 | 43.67 0.58 0.00 | 45.53 0.30 0.00 | 43.07 0.33 0.00 | 50.98 0.75 0.00 | 45.54 0.42 0.00 | 40.34 -0.06 0.00 | 42.92 0.00 0.00 | 48.53 0.29 0.00 | 56.32 0.45 0.00 | 50.82 0.43 0.00 | 42.77 0.39 0.00 | 53.90 0.56 0.00 | 50.11 0.39 0.00 | 34.31 0.19 0.00 | 29.18 -0.04 0.00 |
| ALLEGHENY___COGEN 23514 | 35.80 -0.81 0.00 | 28.24 -0.90 0.00 | 25.43 -1.02 2.65 | 26.28 -0.98 1.62 | 22.67 -0.99 5.64 | 33.17 -0.68 0.00 | 38.25 -0.71 0.00 | 33.37 -1.12 0.00 | 33.16 -0.83 -0.01 | 58.64 -1.34 -16.88 | 75.87 -1.36 -31.99 | 41.55 -1.68 -0.48 | 55.47 -2.16 -7.41 | 80.82 -2.25 -37.95 | 90.18 -1.71 -51.49 | 95.14 -1.59 -53.80 | 104.16 -1.41 -57.34 | 94.35 -2.08 -40.56 | 99.95 -1.38 -50.94 | 59.78 -1.04 -18.44 | 110.95 -0.99 -58.60 | 90.31 -1.25 -41.84 | 39.42 -1.02 -6.32 | 38.21 -1.01 -10.00 |
| ALTAMONT_115KV_TB 2 55880 | 36.94 0.33 0.00 | 29.42 0.28 0.00 | 29.02 0.29 0.36 | 28.95 0.29 0.22 | 28.85 0.31 0.76 | 34.14 0.29 0.00 | 39.32 0.35 0.00 | 34.87 0.39 0.00 | 34.24 0.27 0.00 | 43.36 0.26 0.00 | 45.53 0.30 0.00 | 43.04 0.30 0.00 | 50.55 0.31 0.00 | 45.54 0.42 0.00 | 40.89 0.50 0.00 | 43.44 0.52 0.00 | 48.48 0.25 0.00 | 56.23 0.36 0.00 | 50.71 0.33 0.00 | 42.70 0.32 0.00 | 53.74 0.40 0.00 | 50.17 0.45 0.00 | 34.50 0.38 0.00 | 29.67 0.45 0.00 |
| ALTONA_WT_PWR 323606 | 37.13 0.52 0.00 | 29.51 0.38 0.00 | 29.21 0.49 0.37 | 29.15 0.50 0.22 | 29.01 0.49 0.79 | 34.48 0.63 0.00 | 39.70 0.74 0.00 | 35.01 0.52 0.00 | 34.41 0.43 0.00 | 43.60 0.51 0.00 | 45.57 0.34 0.00 | 43.13 0.38 0.00 | 50.86 0.63 0.00 | 45.56 0.44 0.00 | 40.47 0.07 0.00 | 43.06 0.13 0.00 | 48.53 0.30 0.00 | 56.50 0.63 0.00 | 51.06 0.67 0.00 | 42.81 0.43 0.00 | 53.93 0.59 0.00 | 49.92 0.20 0.00 | 34.08 -0.04 0.00 | 28.97 -0.25 0.00 |
| AMERICAN_REF_FUEL 24010 | 33.30 -3.31 0.00 | 26.37 -2.77 0.00 | 23.77 -2.88 2.44 | 24.56 -2.82 1.49 | 21.38 -2.72 5.20 | 31.07 -2.78 0.00 | 35.52 -3.45 0.00 | 30.45 -4.03 0.00 | 30.54 -3.44 0.00 | 34.94 -4.16 3.99 | 33.62 -4.04 7.57 | 38.14 -4.49 0.11 | 42.17 -5.19 2.88 | 31.89 -4.25 8.98 | 25.03 -3.19 12.18 | 26.83 -3.37 12.73 | 30.79 -3.88 13.56 | 29.67 -5.26 20.93 | 29.85 -4.46 16.07 | 30.19 -3.76 8.43 | 34.75 -4.73 13.86 | 35.15 -4.67 9.90 | 28.33 -3.22 2.57 | 24.17 -2.68 2.37 |
| ARKWRIGHT___SUMMIT_WT_PWR 323751 | 34.20 -2.41 0.00 | 26.90 -2.23 0.00 | 24.16 -2.42 2.51 | 24.95 -2.39 1.54 | 21.53 -2.41 5.36 | 31.62 -2.23 0.00 | 36.38 -2.58 0.00 | 31.40 -3.08 0.00 | 31.49 -2.48 0.00 | 35.80 -3.35 3.95 | 34.53 -3.22 7.48 | 39.15 -3.48 0.11 | 42.76 -4.41 3.06 | 32.43 -3.82 8.87 | 25.37 -2.98 12.04 | 27.28 -3.07 12.58 | 31.15 -3.68 13.40 | 28.29 -4.75 22.83 | 29.62 -4.12 16.65 | 29.77 -3.51 9.10 | 36.10 -3.54 13.70 | 36.12 -3.82 9.78 | 28.52 -2.86 2.75 | 24.54 -2.34 2.34 |
| ARTHUR KILL_GT_1 23520 | 38.25 1.64 0.00 | 30.41 1.28 0.00 | 29.74 1.16 0.50 | 29.81 1.25 0.31 | 29.48 1.26 1.07 | 35.26 1.41 0.00 | 40.69 1.72 0.00 | 36.16 1.68 0.00 | 35.65 1.67 0.00 | 44.77 1.68 0.00 | 47.10 1.87 0.00 | 44.75 2.00 0.00 | 52.43 2.20 0.00 | 47.34 2.22 0.00 | 42.78 2.39 0.00 | 45.35 2.43 0.00 | 50.49 2.26 0.00 | 58.28 2.41 0.00 | 52.60 2.22 0.00 | 44.17 1.79 0.00 | 55.51 2.17 0.00 | 51.97 2.25 0.00 | 43.02 1.70 -7.19 | 30.88 1.66 0.00 |
| ARTHUR_KILL_2 23512 | 38.16 1.55 0.00 | 30.34 1.20 0.00 | 29.67 1.09 0.50 | 29.74 1.18 0.31 | 29.41 1.18 1.07 | 35.18 1.33 0.00 | 40.57 1.61 0.00 | 36.07 1.59 0.00 | 35.55 1.57 0.00 | 44.67 1.57 0.00 | 46.99 1.76 0.00 | 44.63 1.89 0.00 | 52.26 2.03 0.00 | 47.23 2.11 0.00 | 42.68 2.29 0.00 | 45.22 2.30 0.00 | 50.36 2.13 0.00 | 58.12 2.25 0.00 | 52.45 2.07 0.00 | 44.04 1.66 0.00 | 55.35 2.01 0.00 | 51.83 2.11 0.00 | 42.93 1.61 -7.19 | 30.79 1.57 0.00 |
| ARTHUR_KILL_3 23513 | 37.94 1.33 0.00 | 30.10 0.96 0.00 | 29.38 0.79 0.50 | 29.41 0.85 0.31 | 29.08 0.85 1.07 | 34.78 0.93 0.00 | 40.13 1.17 0.00 | 35.74 1.25 0.00 | 35.31 1.31 -0.03 | 44.57 1.48 0.00 | 46.85 1.62 0.00 | 44.49 1.75 0.00 | 52.09 1.86 0.00 | 47.10 1.98 0.00 | 42.52 2.13 0.00 | 45.16 2.24 0.00 | 50.33 2.10 0.00 | 58.10 2.23 0.00 | 52.39 2.00 0.00 | 44.02 1.64 0.00 | 55.26 1.92 0.00 | 51.75 2.03 0.00 | 40.46 1.60 -4.73 | 30.74 1.52 0.00 |

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| ARTHUR_KILL_COGEN 323718 | 38.25 1.64 0.00 | 30.41 1.28 0.00 | 29.74 1.16 0.50 | 29.81 1.25 0.31 | 29.48 1.25 1.07 | 35.26 1.41 0.00 | 40.69 1.72 0.00 | 36.16 1.68 0.00 | 35.64 1.66 0.00 | 44.77 1.67 0.00 | 47.10 1.87 0.00 | 44.75 2.01 0.00 | 52.41 2.18 0.00 | 47.34 2.22 0.00 | 42.78 2.39 0.00 | 45.35 2.42 0.00 | 50.49 2.25 0.00 | 58.27 2.41 0.00 | 52.59 2.21 0.00 | 44.17 1.79 0.00 | 55.51 2.17 0.00 | 51.98 2.26 0.00 | 43.02 1.71 -7.19 | 30.87 1.65 0.00 |
| ASHOKAN____ 23654 | 38.15 1.54 0.00 | 30.31 1.17 0.00 | 29.74 1.08 0.43 | 29.70 1.09 0.26 | 29.52 1.13 0.91 | 35.15 1.31 0.00 | 40.61 1.65 0.00 | 36.18 1.70 0.00 | 35.61 1.63 0.00 | 45.09 2.00 0.00 | 47.41 2.19 0.00 | 44.88 2.14 0.00 | 52.72 2.49 0.00 | 47.50 2.38 0.00 | 42.78 2.39 0.00 | 45.47 2.55 0.00 | 50.75 2.52 0.00 | 58.81 2.94 0.00 | 53.10 2.72 0.00 | 44.70 2.32 0.00 | 56.21 2.87 0.00 | 52.32 2.60 0.00 | 35.99 1.86 0.00 | 30.84 1.62 0.00 |
| ASTORIA_EAST_ENERGY_CC1 323581 | 38.01 1.40 0.00 | 30.23 1.10 0.00 | 29.48 0.90 0.50 | 29.53 0.97 0.31 | 29.20 0.97 1.08 | 34.91 1.06 0.00 | 40.33 1.36 -0.01 | 35.99 1.46 -0.05 | 35.64 1.46 -0.21 | 44.91 1.50 -0.31 | 47.47 1.76 -0.49 | 44.95 1.96 -0.25 | 57.71 2.20 -5.28 | 47.28 2.16 0.00 | 45.89 2.39 -3.11 | 45.39 2.46 0.00 | 50.54 2.31 0.00 | 58.36 2.49 0.00 | 52.59 2.21 0.00 | 44.15 1.77 0.00 | 55.38 2.04 0.00 | 52.81 2.10 -0.99 | 42.37 1.66 -6.58 | 30.75 1.52 -0.01 |
| ASTORIA_EAST_ENERGY_CC2 323582 | 38.01 1.40 0.00 | 30.23 1.10 0.00 | 29.48 0.90 0.50 | 29.53 0.97 0.31 | 29.20 0.97 1.08 | 34.91 1.06 0.00 | 40.33 1.36 -0.01 | 35.99 1.46 -0.05 | 35.64 1.46 -0.21 | 44.91 1.50 -0.31 | 47.47 1.76 -0.49 | 44.95 1.96 -0.25 | 57.71 2.20 -5.28 | 47.28 2.16 0.00 | 45.89 2.39 -3.11 | 45.39 2.46 0.00 | 50.54 2.31 0.00 | 58.36 2.49 0.00 | 52.59 2.21 0.00 | 44.15 1.77 0.00 | 55.38 2.04 0.00 | 52.81 2.10 -0.99 | 42.37 1.66 -6.58 | 30.75 1.52 -0.01 |
| ASTORIA_GT2_1 24094 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT2_2 24095 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT2_3 24096 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT2_4 24097 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT3_1 24098 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT3_2 24099 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT3_3 24100 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT3_4 24101 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT4_1 24102 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT4_2 24103 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT4_3 24104 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |

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| ASTORIA_GT4_4 24105 | 38.03 1.42 0.00 | 30.24 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.99 0.31 | 29.22 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.01 1.48 -0.05 | 35.68 1.49 -0.21 | 44.93 1.52 -0.31 | 47.50 1.79 -0.49 | 44.98 1.99 -0.25 | 57.84 2.33 -5.28 | 47.31 2.19 0.00 | 45.92 2.42 -3.11 | 45.41 2.48 0.00 | 50.57 2.34 0.00 | 58.38 2.51 0.00 | 52.62 2.23 0.00 | 44.18 1.79 0.00 | 55.41 2.06 0.00 | 52.82 2.11 -0.99 | 42.39 1.68 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA_GT_1 23523 | 38.08 1.47 0.00 | 30.28 1.15 0.00 | 29.53 0.95 0.50 | 29.59 1.03 0.31 | 29.25 1.03 1.08 | 34.97 1.12 0.00 | 40.41 1.44 -0.01 | 36.07 1.54 -0.05 | 35.73 1.55 -0.21 | 45.01 1.60 -0.31 | 47.59 1.87 -0.49 | 45.06 2.07 -0.25 | 57.93 2.41 -5.28 | 47.39 2.27 0.00 | 45.99 2.49 -3.11 | 45.49 2.57 0.00 | 50.65 2.42 0.00 | 58.47 2.60 0.00 | 52.71 2.33 0.00 | 44.24 1.86 0.00 | 55.50 2.16 0.00 | 52.91 2.20 -0.99 | 42.43 1.73 -6.58 | 30.81 1.59 -0.01 |
| ASTORIA_GT_10 24110 | 38.14 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.64 1.07 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.61 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.79 2.04 0.00 | 52.52 2.29 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.47 2.54 0.00 | 50.65 2.42 0.00 | 58.48 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.97 2.25 0.00 | 35.86 1.73 0.00 | 30.86 1.64 0.00 |
| ASTORIA_GT_11 24225 | 38.14 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.64 1.07 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.61 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.79 2.04 0.00 | 52.52 2.29 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.47 2.54 0.00 | 50.65 2.42 0.00 | 58.48 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.97 2.25 0.00 | 35.86 1.73 0.00 | 30.86 1.64 0.00 |
| ASTORIA_GT_12 24226 | 38.14 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.64 1.07 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.61 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.79 2.04 0.00 | 52.52 2.29 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.47 2.54 0.00 | 50.65 2.42 0.00 | 58.48 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.97 2.25 0.00 | 35.86 1.73 0.00 | 30.86 1.64 0.00 |
| ASTORIA_GT_13 24227 | 38.14 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.64 1.07 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.61 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.79 2.04 0.00 | 52.52 2.29 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.47 2.54 0.00 | 50.65 2.42 0.00 | 58.48 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.97 2.25 0.00 | 35.86 1.73 0.00 | 30.86 1.64 0.00 |
| ASTORIA_GT_5 24106 | 38.08 1.47 0.00 | 30.28 1.15 0.00 | 29.53 0.95 0.50 | 29.59 1.03 0.31 | 29.25 1.03 1.08 | 34.97 1.12 0.00 | 40.41 1.44 -0.01 | 36.07 1.54 -0.05 | 35.73 1.55 -0.21 | 45.01 1.60 -0.31 | 47.59 1.87 -0.49 | 45.06 2.07 -0.25 | 57.93 2.41 -5.28 | 47.39 2.27 0.00 | 45.99 2.49 -3.11 | 45.49 2.57 0.00 | 50.65 2.42 0.00 | 58.47 2.60 0.00 | 52.71 2.33 0.00 | 44.24 1.86 0.00 | 55.50 2.16 0.00 | 52.91 2.20 -0.99 | 42.43 1.73 -6.58 | 30.81 1.59 -0.01 |
| ASTORIA_GT_7 24107 | 38.08 1.47 0.00 | 30.28 1.15 0.00 | 29.53 0.95 0.50 | 29.59 1.03 0.31 | 29.25 1.03 1.08 | 34.97 1.12 0.00 | 40.41 1.44 -0.01 | 36.07 1.54 -0.05 | 35.73 1.55 -0.21 | 45.01 1.60 -0.31 | 47.59 1.87 -0.49 | 45.06 2.07 -0.25 | 57.93 2.41 -5.28 | 47.39 2.27 0.00 | 45.99 2.49 -3.11 | 45.49 2.57 0.00 | 50.65 2.42 0.00 | 58.47 2.60 0.00 | 52.71 2.33 0.00 | 44.24 1.86 0.00 | 55.50 2.16 0.00 | 52.91 2.20 -0.99 | 42.43 1.73 -6.58 | 30.81 1.59 -0.01 |
| ASTORIA_GT_8 24108 | 38.08 1.47 0.00 | 30.28 1.15 0.00 | 29.53 0.95 0.50 | 29.59 1.03 0.31 | 29.25 1.03 1.08 | 34.97 1.12 0.00 | 40.41 1.44 -0.01 | 36.07 1.54 -0.05 | 35.73 1.55 -0.21 | 45.01 1.60 -0.31 | 47.59 1.87 -0.49 | 45.06 2.07 -0.25 | 57.93 2.41 -5.28 | 47.39 2.27 0.00 | 45.99 2.49 -3.11 | 45.49 2.57 0.00 | 50.65 2.42 0.00 | 58.47 2.60 0.00 | 52.71 2.33 0.00 | 44.24 1.86 0.00 | 55.50 2.16 0.00 | 52.91 2.20 -0.99 | 42.43 1.73 -6.58 | 30.81 1.59 -0.01 |
| ASTORIA___2 24149 | 38.03 1.42 0.00 | 30.23 1.10 0.00 | 29.50 0.91 0.50 | 29.55 0.98 0.31 | 29.21 0.99 1.08 | 34.93 1.08 0.00 | 40.35 1.37 -0.01 | 36.00 1.47 -0.05 | 35.67 1.48 -0.21 | 44.93 1.52 -0.31 | 47.50 1.78 -0.49 | 44.97 1.98 -0.25 | 57.74 2.22 -5.28 | 47.31 2.19 0.00 | 45.90 2.40 -3.11 | 45.41 2.48 0.00 | 50.56 2.33 0.00 | 58.38 2.51 0.00 | 52.61 2.23 0.00 | 44.18 1.79 0.00 | 55.40 2.06 0.00 | 52.84 2.13 -0.99 | 42.39 1.69 -6.58 | 30.77 1.54 -0.01 |
| ASTORIA___3 23516 | 38.13 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.63 1.06 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.60 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.78 2.04 0.00 | 52.49 2.26 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.46 2.54 0.00 | 50.64 2.42 0.00 | 58.47 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.98 2.26 0.00 | 35.86 1.74 0.00 | 30.86 1.64 0.00 |
| ASTORIA___4 23517 | 38.14 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.64 1.07 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.61 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.79 2.04 0.00 | 52.52 2.29 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.47 2.54 0.00 | 50.65 2.42 0.00 | 58.48 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.97 2.25 0.00 | 35.86 1.73 0.00 | 30.86 1.64 0.00 |
| ASTORIA___5 23518 | 38.13 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.63 1.06 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.60 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.78 2.04 0.00 | 52.49 2.26 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.46 2.54 0.00 | 50.64 2.42 0.00 | 58.47 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.98 2.26 0.00 | 35.86 1.74 0.00 | 30.86 1.64 0.00 |
| AST_ENERGY_2_CC3 323677 | 38.00 1.39 0.00 | 30.17 1.04 0.00 | 29.46 0.88 0.50 | 29.50 0.93 0.31 | 29.16 0.94 1.07 | 34.87 1.02 0.00 | 40.24 1.28 0.00 | 35.85 1.37 0.00 | 35.40 1.43 0.00 | 44.74 1.64 0.00 | 47.01 1.78 0.00 | 44.62 1.88 0.00 | 52.29 2.06 0.00 | 47.22 2.10 0.00 | 42.64 2.24 0.00 | 45.29 2.36 0.00 | 50.48 2.25 0.00 | 58.30 2.43 0.00 | 52.56 2.18 0.00 | 44.14 1.76 0.00 | 55.42 2.08 0.00 | 51.85 2.13 0.00 | 35.78 1.66 0.00 | 30.78 1.56 0.00 |
| AST_ENERGY_2_CC4 323678 | 38.00 1.39 0.00 | 30.17 1.04 0.00 | 29.46 0.88 0.50 | 29.50 0.93 0.31 | 29.16 0.94 1.07 | 34.87 1.02 0.00 | 40.24 1.28 0.00 | 35.85 1.37 0.00 | 35.40 1.43 0.00 | 44.74 1.64 0.00 | 47.01 1.78 0.00 | 44.62 1.88 0.00 | 52.29 2.06 0.00 | 47.22 2.10 0.00 | 42.64 2.24 0.00 | 45.29 2.36 0.00 | 50.48 2.25 0.00 | 58.30 2.43 0.00 | 52.56 2.18 0.00 | 44.14 1.76 0.00 | 55.42 2.08 0.00 | 51.85 2.13 0.00 | 35.78 1.66 0.00 | 30.78 1.56 0.00 |

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|---------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|--------------------------|---------------------------|--------------------------|-------------------------|--------------------------|--------------------------|---------------------------|-------------------------|
| ATHENS_STG_1 23668 | 37.05 0.44 0.00 | 29.50 0.37 0.00 | 28.96 0.32 0.45 | 28.94 0.33 0.27 | 28.69 0.34 0.95 | 34.16 0.31 0.00 | 39.33 0.37 0.00 | 34.93 0.44 0.00 | 34.38 0.40 0.00 | 43.51 0.41 0.00 | 45.71 0.48 0.00 | 43.25 0.51 0.00 | 50.77 0.54 0.00 | 45.76 0.64 0.00 | 41.16 0.77 0.00 | 43.70 0.78 0.00 | 48.80 0.57 0.00 | 56.53 0.66 0.00 | 50.93 0.54 0.00 | 42.84 0.46 0.00 | 53.89 0.55 0.00 | 50.34 0.62 0.00 | 34.68 0.56 0.00 | 29.83 0.61 0.00 |
| ATHENS_STG_2 23670 | 37.05 0.44 0.00 | 29.50 0.37 0.00 | 28.96 0.32 0.45 | 28.94 0.33 0.27 | 28.69 0.34 0.95 | 34.16 0.31 0.00 | 39.33 0.37 0.00 | 34.93 0.44 0.00 | 34.38 0.40 0.00 | 43.51 0.41 0.00 | 45.71 0.48 0.00 | 43.25 0.51 0.00 | 50.77 0.54 0.00 | 45.76 0.64 0.00 | 41.16 0.77 0.00 | 43.70 0.78 0.00 | 48.80 0.57 0.00 | 56.53 0.66 0.00 | 50.93 0.54 0.00 | 42.84 0.46 0.00 | 53.89 0.55 0.00 | 50.34 0.62 0.00 | 34.68 0.56 0.00 | 29.83 0.61 0.00 |
| ATHENS_STG_3 23677 | 37.05 0.44 0.00 | 29.50 0.37 0.00 | 28.96 0.32 0.45 | 28.94 0.33 0.27 | 28.69 0.34 0.95 | 34.16 0.31 0.00 | 39.33 0.37 0.00 | 34.93 0.44 0.00 | 34.38 0.40 0.00 | 43.51 0.41 0.00 | 45.71 0.48 0.00 | 43.25 0.51 0.00 | 50.77 0.54 0.00 | 45.76 0.64 0.00 | 41.16 0.77 0.00 | 43.70 0.78 0.00 | 48.80 0.57 0.00 | 56.53 0.66 0.00 | 50.93 0.54 0.00 | 42.84 0.46 0.00 | 53.89 0.55 0.00 | 50.34 0.62 0.00 | 34.68 0.56 0.00 | 29.83 0.61 0.00 |
| AUBURN____LFGE 323710 | 35.72 -0.89 0.00 | 28.34 -0.79 0.00 | 23.60 -0.87 4.61 | 25.20 -0.85 2.82 | 18.62 -0.84 9.84 | 33.07 -0.78 0.00 | 38.13 -0.84 0.00 | 33.60 -0.88 0.00 | 33.18 -0.80 0.00 | 42.06 -1.04 0.00 | 44.01 -1.22 0.00 | 41.44 -1.30 0.00 | 49.20 -1.36 -0.33 | 43.98 -1.13 0.00 | 39.56 -0.83 0.00 | 41.98 -0.94 0.00 | 46.93 -1.30 0.00 | 57.76 -1.47 -3.35 | 50.32 -1.32 -1.25 | 42.51 -1.14 -1.27 | 51.97 -1.37 0.00 | 48.49 -1.23 0.00 | 33.55 -0.91 -0.34 | 28.43 -0.79 0.00 |
| BABYLON_RES_REC 323704 | 38.79 2.18 0.00 | 30.65 1.52 0.00 | 30.01 1.43 0.50 | 30.07 1.50 0.31 | 29.82 1.59 1.07 | 35.73 1.88 0.00 | 41.20 2.26 0.02 | 39.34 2.15 -2.70 | 43.78 2.13 -7.68 | 51.96 2.68 -6.18 | 53.67 2.86 -5.59 | 49.22 2.91 -3.56 | 86.20 3.21 -32.76 | 53.81 2.97 -5.72 | 64.15 3.16 -20.60 | 52.81 3.26 -6.63 | 51.33 3.10 0.00 | 59.21 3.34 0.00 | 53.58 3.19 0.00 | 44.90 2.52 0.00 | 56.23 2.89 0.00 | 52.67 3.03 0.08 | 47.09 2.40 -10.56 | 32.77 2.16 -1.39 |
| BALL_HILL_WT_PWR 323825 | 34.35 -2.27 0.00 | 27.09 -2.04 0.00 | 24.36 -2.23 2.49 | 25.17 -2.18 1.52 | 21.81 -2.19 5.31 | 31.79 -2.06 0.00 | 36.42 -2.54 0.00 | 31.51 -2.97 0.00 | 31.62 -2.36 0.00 | 34.77 -3.13 5.20 | 32.38 -3.00 9.85 | 39.29 -3.30 0.15 | 42.54 -4.05 3.64 | 29.99 -3.43 11.69 | 21.92 -2.62 15.86 | 23.60 -2.76 16.57 | 27.31 -3.26 17.66 | 25.22 -4.45 26.20 | 26.11 -3.72 20.55 | 28.69 -3.09 10.60 | 31.77 -3.52 18.05 | 33.25 -3.58 12.88 | 28.32 -2.55 3.25 | 24.05 -2.09 3.08 |
| BARON_WINDS____WT_PWR 323822 | 34.71 -1.90 0.00 | 27.33 -1.80 0.00 | 24.45 -1.89 2.75 | 25.31 -1.88 1.68 | 21.45 -1.99 5.86 | 31.92 -1.93 0.00 | 36.54 -2.43 0.00 | 31.87 -2.60 0.01 | 31.66 -2.30 0.02 | 11.87 -3.18 28.05 | -11.26 -3.34 53.15 | 38.49 -3.45 0.80 | 29.86 -4.24 16.13 | -21.68 -3.75 63.05 | -48.23 -3.09 85.53 | -49.70 -3.25 89.37 | -50.69 -3.67 95.25 | -54.80 -4.61 106.06 | -51.97 -3.93 98.42 | -5.50 -3.31 44.57 | -47.82 -3.81 97.35 | -23.62 -3.83 69.51 | 17.19 -2.74 14.19 | 10.32 -2.29 16.61 |
| BARRETT_IC_1 23704 | 108.48 1.73 -70.14 | 116.16 1.23 -85.79 | 104.83 1.18 -74.57 | 107.17 1.26 -77.04 | 101.75 1.33 -71.11 | 117.64 1.54 -82.25 | 111.00 1.81 -70.23 | 114.75 1.71 -78.56 | 116.28 1.62 -80.69 | 130.90 2.03 -85.78 | 169.18 2.24 -121.71 | 109.86 2.34 -64.77 | 734.17 2.42 -681.53 | 113.25 2.31 -65.83 | 314.29 2.49 -271.40 | 111.43 2.57 -65.94 | 50.60 2.36 -0.01 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 71.53 2.30 -19.52 | 278.74 1.85 -242.77 | 80.30 1.78 -49.30 |
| BARRETT_IC_10 23701 | 58.39 1.73 -20.05 | 54.90 1.23 -24.53 | 51.22 1.18 -20.96 | 51.94 1.26 -21.81 | 50.20 1.33 -19.57 | 58.21 1.54 -22.82 | 59.47 1.81 -18.69 | 57.63 1.71 -21.44 | 54.65 1.62 -19.05 | 60.45 2.03 -15.33 | 65.42 2.24 -17.94 | 55.45 2.34 -10.36 | 50.37 2.42 2.28 | 69.09 2.31 -21.67 | 7.75 2.49 35.13 | 68.18 2.57 -22.69 | 50.59 2.36 0.00 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 17.66 2.30 34.36 | -152.61 1.85 188.58 | 45.02 1.78 -14.01 |
| BARRETT_IC_11 23702 | 58.39 1.73 -20.05 | 54.90 1.23 -24.53 | 51.22 1.18 -20.96 | 51.94 1.26 -21.81 | 50.20 1.33 -19.57 | 58.21 1.54 -22.82 | 59.47 1.81 -18.69 | 57.63 1.71 -21.44 | 54.65 1.62 -19.05 | 60.45 2.03 -15.33 | 65.42 2.24 -17.94 | 55.45 2.34 -10.36 | 50.37 2.42 2.28 | 69.09 2.31 -21.67 | 7.75 2.49 35.13 | 68.18 2.57 -22.69 | 50.59 2.36 0.00 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 17.66 2.30 34.36 | -152.61 1.85 188.58 | 45.02 1.78 -14.01 |
| BARRETT_IC_12 23703 | 58.39 1.73 -20.05 | 54.90 1.23 -24.53 | 51.22 1.18 -20.96 | 51.94 1.26 -21.81 | 50.20 1.33 -19.57 | 58.21 1.54 -22.82 | 59.47 1.81 -18.69 | 57.63 1.71 -21.44 | 54.65 1.62 -19.05 | 60.45 2.03 -15.33 | 65.42 2.24 -17.94 | 55.45 2.34 -10.36 | 50.37 2.42 2.28 | 69.09 2.31 -21.67 | 7.75 2.49 35.13 | 68.18 2.57 -22.69 | 50.59 2.36 0.00 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 17.66 2.30 34.36 | -152.61 1.85 188.58 | 45.02 1.78 -14.01 |
| BARRETT_IC_2 23705 | 108.48 1.73 -70.14 | 116.16 1.23 -85.79 | 104.83 1.18 -74.57 | 107.17 1.26 -77.04 | 101.75 1.33 -71.11 | 117.64 1.54 -82.25 | 111.00 1.81 -70.23 | 114.75 1.71 -78.56 | 116.28 1.62 -80.69 | 130.90 2.03 -85.78 | 169.18 2.24 -121.71 | 109.86 2.34 -64.77 | 734.17 2.42 -681.53 | 113.25 2.31 -65.83 | 314.29 2.49 -271.40 | 111.43 2.57 -65.94 | 50.60 2.36 -0.01 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 71.53 2.30 -19.52 | 278.74 1.85 -242.77 | 80.30 1.78 -49.30 |
| BARRETT_IC_3 23706 | 108.48 1.73 -70.14 | 116.16 1.23 -85.79 | 104.83 1.18 -74.57 | 107.17 1.26 -77.04 | 101.75 1.33 -71.11 | 117.64 1.54 -82.25 | 111.00 1.81 -70.23 | 114.75 1.71 -78.56 | 116.28 1.62 -80.69 | 130.90 2.03 -85.78 | 169.18 2.24 -121.71 | 109.86 2.34 -64.77 | 734.17 2.42 -681.53 | 113.25 2.31 -65.83 | 314.29 2.49 -271.40 | 111.43 2.57 -65.94 | 50.60 2.36 -0.01 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 71.53 2.30 -19.52 | 278.74 1.85 -242.77 | 80.30 1.78 -49.30 |
| BARRETT_IC_4 23707 | 108.48 1.73 -70.14 | 116.16 1.23 -85.79 | 104.83 1.18 -74.57 | 107.17 1.26 -77.04 | 101.75 1.33 -71.11 | 117.64 1.54 -82.25 | 111.00 1.81 -70.23 | 114.75 1.71 -78.56 | 116.28 1.62 -80.69 | 130.90 2.03 -85.78 | 169.18 2.24 -121.71 | 109.86 2.34 -64.77 | 734.17 2.42 -681.53 | 113.25 2.31 -65.83 | 314.29 2.49 -271.40 | 111.43 2.57 -65.94 | 50.60 2.36 -0.01 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 71.53 2.30 -19.52 | 278.74 1.85 -242.77 | 80.30 1.78 -49.30 |
| BARRETT_IC_5 23708 | 108.48 1.73 -70.14 | 116.16 1.23 -85.79 | 104.83 1.18 -74.57 | 107.17 1.26 -77.04 | 101.75 1.33 -71.11 | 117.64 1.54 -82.25 | 111.00 1.81 -70.23 | 114.75 1.71 -78.56 | 116.28 1.62 -80.69 | 130.90 2.03 -85.78 | 169.18 2.24 -121.71 | 109.86 2.34 -64.77 | 734.17 2.42 -681.53 | 113.25 2.31 -65.83 | 314.29 2.49 -271.40 | 111.43 2.57 -65.94 | 50.60 2.36 -0.01 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 71.53 2.30 -19.52 | 278.74 1.85 -242.77 | 80.30 1.78 -49.30 |

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|------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|-------------------------|---------------------------|-------------------------|
| BARRETT_IC_6 23709 | 108.48 1.73 -70.14 | 116.16 1.23 -85.79 | 104.83 1.18 -74.57 | 107.17 1.26 -77.04 | 101.75 1.33 -71.11 | 117.64 1.54 -82.25 | 111.00 1.81 -70.23 | 114.75 1.71 -78.56 | 116.28 1.62 -80.69 | 130.90 2.03 -85.78 | 169.18 2.24 -121.71 | 109.86 2.34 -64.77 | 734.17 2.42 -681.53 | 113.25 2.31 -65.83 | 314.29 2.49 -271.40 | 111.43 2.57 -65.94 | 50.60 2.36 -0.01 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 71.53 2.30 -19.52 | 278.74 1.85 -242.77 | 80.30 1.78 -49.30 |
| BARRETT_IC_7 23710 | 108.48 1.73 -70.14 | 116.16 1.24 -85.79 | 104.83 1.17 -74.57 | 107.18 1.27 -77.04 | 101.74 1.33 -71.11 | 117.64 1.54 -82.25 | 111.01 1.81 -70.23 | 114.76 1.72 -78.56 | 116.29 1.63 -80.69 | 130.90 2.03 -85.78 | 169.19 2.25 -121.71 | 109.86 2.34 -64.77 | 734.22 2.46 -681.53 | 113.26 2.31 -65.83 | 314.32 2.52 -271.40 | 111.43 2.57 -65.94 | 50.61 2.38 -0.01 | 58.36 2.49 0.00 | 52.77 2.39 0.00 | 44.29 1.91 0.00 | 55.56 2.22 0.00 | 71.55 2.31 -19.52 | 278.76 1.87 -242.77 | 80.31 1.80 -49.30 |
| BARRETT_IC_8 23711 | 108.48 1.73 -70.14 | 116.16 1.23 -85.79 | 104.83 1.18 -74.57 | 107.17 1.26 -77.04 | 101.75 1.33 -71.11 | 117.64 1.54 -82.25 | 111.00 1.81 -70.23 | 114.75 1.71 -78.56 | 116.28 1.62 -80.69 | 130.90 2.03 -85.78 | 169.18 2.24 -121.71 | 109.86 2.34 -64.77 | 734.17 2.42 -681.53 | 113.25 2.31 -65.83 | 314.29 2.49 -271.40 | 111.43 2.57 -65.94 | 50.60 2.36 -0.01 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 71.53 2.30 -19.52 | 278.74 1.85 -242.77 | 80.30 1.78 -49.30 |
| BARRETT_IC_9 23700 | 58.39 1.73 -20.05 | 54.90 1.23 -24.53 | 51.22 1.18 -20.96 | 51.94 1.26 -21.81 | 50.20 1.33 -19.57 | 58.21 1.54 -22.82 | 59.47 1.81 -18.69 | 57.63 1.71 -21.44 | 54.65 1.62 -19.05 | 60.45 2.03 -15.33 | 65.42 2.24 -17.94 | 55.45 2.34 -10.36 | 50.37 2.42 2.28 | 69.09 2.31 -21.67 | 7.75 2.49 35.13 | 68.18 2.57 -22.69 | 50.59 2.36 0.00 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 17.66 2.30 34.36 | -152.61 1.85 188.58 | 45.02 1.78 -14.01 |
| BARRETT___1 23545 | 108.48 1.73 -70.14 | 116.16 1.23 -85.79 | 104.83 1.18 -74.57 | 107.17 1.26 -77.04 | 101.75 1.33 -71.11 | 117.64 1.54 -82.25 | 111.00 1.81 -70.23 | 114.75 1.71 -78.56 | 116.28 1.62 -80.69 | 130.90 2.03 -85.78 | 169.18 2.24 -121.71 | 109.86 2.34 -64.77 | 734.17 2.42 -681.53 | 113.25 2.31 -65.83 | 314.29 2.49 -271.40 | 111.43 2.57 -65.94 | 50.60 2.36 -0.01 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 71.53 2.30 -19.52 | 278.74 1.85 -242.77 | 80.30 1.78 -49.30 |
| BARRETT___2 23546 | 58.39 1.73 -20.05 | 54.90 1.23 -24.53 | 51.22 1.18 -20.96 | 51.94 1.26 -21.81 | 50.20 1.33 -19.57 | 58.21 1.54 -22.82 | 59.47 1.81 -18.69 | 57.63 1.71 -21.44 | 54.65 1.62 -19.05 | 60.45 2.03 -15.33 | 65.42 2.24 -17.94 | 55.45 2.34 -10.36 | 50.37 2.42 2.28 | 69.09 2.31 -21.67 | 7.75 2.49 35.13 | 68.18 2.57 -22.69 | 50.59 2.36 0.00 | 58.36 2.49 0.00 | 52.77 2.38 0.00 | 44.29 1.90 0.00 | 55.56 2.22 0.00 | 17.66 2.30 34.36 | -152.61 1.85 188.58 | 45.02 1.78 -14.01 |
| BATAVIA___115KV_TB1 55881 | 34.90 -1.71 0.00 | 27.61 -1.52 0.00 | 24.98 -1.65 2.45 | 25.76 -1.61 1.50 | 22.53 -1.54 5.23 | 32.51 -1.34 0.00 | 37.33 -1.64 0.00 | 32.31 -2.17 0.00 | 32.37 -1.60 0.00 | 38.39 -2.10 2.61 | 38.46 -1.83 4.94 | 40.54 -2.13 0.08 | 45.71 -2.49 2.03 | 37.24 -2.02 5.86 | 31.14 -1.31 7.95 | 33.21 -1.41 8.30 | 37.73 -1.65 8.85 | 38.15 -2.48 15.24 | 37.37 -1.97 11.05 | 34.71 -1.60 6.07 | 42.27 -2.03 9.04 | 41.06 -2.20 6.46 | 30.72 -1.57 1.83 | 26.29 -1.39 1.54 |
| BAYONEEC___CTG1 323682 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BAYONEEC___CTG10 323750 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BAYONEEC___CTG2 323683 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BAYONEEC___CTG3 323684 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BAYONEEC___CTG4 323685 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BAYONEEC___CTG5 323686 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BAYONEEC___CTG6 323687 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BAYONEEC___CTG7 323688 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| BAYONEEC___CTG8 323689 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BAYONEEC___CTG9 323749 | 38.08 1.47 0.00 | 30.23 1.09 0.00 | 29.52 0.93 0.50 | 29.54 0.98 0.31 | 29.22 0.99 1.07 | 34.94 1.09 0.00 | 40.32 1.35 0.00 | 35.91 1.42 0.00 | 35.46 1.48 0.00 | 44.79 1.69 0.00 | 47.07 1.85 0.00 | 44.68 1.94 0.00 | 52.36 2.13 0.00 | 47.29 2.17 0.00 | 42.71 2.31 0.00 | 45.36 2.43 0.00 | 50.54 2.31 0.00 | 58.38 2.51 0.00 | 52.64 2.25 0.00 | 44.20 1.82 0.00 | 55.50 2.16 0.00 | 51.94 2.22 0.00 | 36.57 1.72 -0.73 | 30.83 1.61 0.00 |
| BEACON___LESR 323632 | 37.04 0.43 0.00 | 29.52 0.39 0.00 | 29.17 0.44 0.36 | 29.09 0.43 0.22 | 29.00 0.46 0.76 | 34.35 0.50 0.00 | 39.58 0.62 0.00 | 35.10 0.62 0.00 | 34.40 0.42 0.00 | 43.58 0.49 0.00 | 45.77 0.54 0.00 | 43.28 0.54 0.00 | 50.82 0.58 0.00 | 45.77 0.65 0.00 | 41.10 0.70 0.00 | 43.66 0.74 0.00 | 48.69 0.46 0.00 | 56.61 0.74 0.00 | 51.10 0.71 0.00 | 43.01 0.63 0.00 | 53.94 0.60 0.00 | 50.39 0.68 0.00 | 34.64 0.52 0.00 | 29.82 0.61 0.00 |
| BEAVER RIVER___HYD 24048 | 36.40 -0.21 0.00 | 28.91 -0.23 0.00 | 26.41 -0.35 2.33 | 27.18 -0.27 1.42 | 24.07 -0.27 4.96 | 33.70 -0.15 0.00 | 38.89 -0.08 0.00 | 34.37 -0.11 0.00 | 33.60 -0.38 0.00 | 42.38 -0.71 0.00 | 44.08 -1.14 0.00 | 41.35 -1.39 0.00 | 49.06 -1.17 0.00 | 44.08 -1.04 0.00 | 39.47 -0.93 0.00 | 41.95 -0.97 0.00 | 46.76 -1.47 0.00 | 54.23 -1.64 0.00 | 49.20 -1.18 0.00 | 41.61 -0.77 0.00 | 51.96 -1.38 0.00 | 48.10 -1.61 0.00 | 32.94 -1.18 0.00 | 27.75 -1.47 0.00 |
| BEEBEE_GT_13 23619 | 34.86 -1.74 0.00 | 27.62 -1.51 0.00 | 25.04 -1.62 2.43 | 25.80 -1.59 1.48 | 22.53 -1.60 5.17 | 32.34 -1.52 0.00 | 37.18 -1.79 0.00 | 32.45 -2.03 0.00 | 32.36 -1.61 0.00 | 40.88 -2.21 0.00 | 43.11 -2.12 0.00 | 40.58 -2.16 0.00 | 47.14 -2.57 0.52 | 42.91 -2.21 0.00 | 38.76 -1.63 0.00 | 41.16 -1.76 0.00 | 46.17 -2.06 0.00 | 47.87 -2.80 5.20 | 46.18 -2.36 1.84 | 38.55 -1.97 1.86 | 50.87 -2.47 0.00 | 47.24 -2.48 0.00 | 31.92 -1.71 0.49 | 27.70 -1.52 0.00 |
| BENSHRST_27_KV_BENSHRST_1 355998 | 38.39 1.78 0.00 | 30.48 1.35 0.00 | 29.77 1.19 0.50 | 29.81 1.25 0.31 | 29.48 1.26 1.07 | 35.27 1.42 0.00 | 40.73 1.76 0.00 | 36.25 1.77 0.00 | 35.83 1.86 0.00 | 45.12 2.02 0.00 | 47.46 2.23 0.00 | 45.08 2.34 0.00 | 52.85 2.62 0.00 | 47.71 2.59 0.00 | 43.12 2.73 0.00 | 45.75 2.82 0.00 | 50.97 2.74 0.00 | 58.82 2.95 0.00 | 53.04 2.66 0.00 | 44.57 2.18 0.00 | 56.00 2.66 0.00 | 52.40 2.68 0.00 | 43.30 1.99 -7.19 | 31.06 1.84 0.00 |
| BETHLEHEM___GRP 23843 | 36.49 -0.12 0.00 | 29.13 -0.01 0.00 | 28.76 0.03 0.36 | 28.68 0.02 0.22 | 28.58 0.04 0.76 | 33.80 -0.05 0.00 | 38.91 -0.05 0.00 | 34.55 0.07 0.00 | 33.85 -0.12 0.00 | 42.81 -0.28 0.00 | 44.97 -0.26 0.00 | 42.51 -0.23 0.00 | 49.94 -0.29 0.00 | 45.00 -0.12 0.00 | 40.42 0.03 0.00 | 42.93 0.01 0.00 | 47.78 -0.45 0.00 | 55.49 -0.38 0.00 | 50.07 -0.32 0.00 | 42.18 -0.21 0.00 | 53.03 -0.32 0.00 | 49.52 -0.19 0.00 | 34.07 -0.05 0.00 | 29.37 0.15 0.00 |
| BETHLEHEM___GS1 323560 | 36.49 -0.12 0.00 | 29.13 -0.01 0.00 | 28.76 0.03 0.36 | 28.68 0.02 0.22 | 28.58 0.04 0.76 | 33.80 -0.05 0.00 | 38.92 -0.05 0.00 | 34.55 0.07 0.00 | 33.85 -0.12 0.00 | 42.82 -0.27 0.00 | 44.97 -0.26 0.00 | 42.51 -0.23 0.00 | 49.93 -0.30 0.00 | 45.00 -0.12 0.00 | 40.42 0.03 0.00 | 42.92 0.00 0.00 | 47.78 -0.45 0.00 | 55.49 -0.38 0.00 | 50.05 -0.33 0.00 | 42.17 -0.21 0.00 | 53.02 -0.33 0.00 | 49.53 -0.19 0.00 | 34.07 -0.05 0.00 | 29.37 0.15 0.00 |
| BETHLEHEM___GS2 323561 | 36.49 -0.12 0.00 | 29.13 -0.01 0.00 | 28.76 0.03 0.36 | 28.68 0.02 0.22 | 28.58 0.04 0.76 | 33.80 -0.05 0.00 | 38.92 -0.05 0.00 | 34.55 0.07 0.00 | 33.85 -0.12 0.00 | 42.82 -0.27 0.00 | 44.97 -0.26 0.00 | 42.51 -0.23 0.00 | 49.93 -0.30 0.00 | 45.00 -0.12 0.00 | 40.42 0.03 0.00 | 42.92 0.00 0.00 | 47.78 -0.45 0.00 | 55.49 -0.38 0.00 | 50.05 -0.33 0.00 | 42.17 -0.21 0.00 | 53.02 -0.33 0.00 | 49.53 -0.19 0.00 | 34.07 -0.05 0.00 | 29.37 0.15 0.00 |
| BETHLEHEM___GS3 323562 | 36.49 -0.12 0.00 | 29.13 -0.01 0.00 | 28.76 0.03 0.36 | 28.68 0.02 0.22 | 28.58 0.04 0.76 | 33.80 -0.05 0.00 | 38.92 -0.05 0.00 | 34.55 0.07 0.00 | 33.85 -0.12 0.00 | 42.82 -0.27 0.00 | 44.97 -0.26 0.00 | 42.51 -0.23 0.00 | 49.93 -0.30 0.00 | 45.00 -0.12 0.00 | 40.42 0.03 0.00 | 42.92 0.00 0.00 | 47.78 -0.45 0.00 | 55.49 -0.38 0.00 | 50.05 -0.33 0.00 | 42.17 -0.21 0.00 | 53.02 -0.33 0.00 | 49.53 -0.19 0.00 | 34.07 -0.05 0.00 | 29.37 0.15 0.00 |
| BETHLEHEM___STEEL 23779 | 34.32 -2.28 0.00 | 27.13 -2.00 0.00 | 24.43 -2.18 2.48 | 25.23 -2.13 1.52 | 21.88 -2.13 5.29 | 31.81 -2.04 0.00 | 36.43 -2.53 0.00 | 31.49 -2.99 0.00 | 31.61 -2.37 0.00 | 34.90 -3.11 5.08 | 32.61 -2.99 9.62 | 39.36 -3.25 0.14 | 42.78 -3.90 3.55 | 30.39 -3.31 11.42 | 22.45 -2.45 15.49 | 24.12 -2.62 16.19 | 27.94 -3.04 17.25 | 26.06 -4.23 25.57 | 26.77 -3.55 20.07 | 29.10 -2.93 10.34 | 32.17 -3.54 17.63 | 28.50 -3.52 12.59 | 24.14 -2.45 3.17 | 24.14 -2.07 3.01 |
| BETHLHEM_115KV_TB1 79974 | 36.58 -0.04 0.00 | 29.19 0.06 0.00 | 28.81 0.08 0.36 | 28.73 0.07 0.22 | 28.63 0.09 0.76 | 33.86 0.01 0.00 | 38.99 0.03 0.00 | 34.61 0.13 0.00 | 33.94 -0.04 0.00 | 42.92 -0.17 0.00 | 45.08 -0.15 0.00 | 42.62 -0.12 0.00 | 50.07 -0.16 0.00 | 45.12 0.01 0.00 | 40.52 0.13 0.00 | 43.03 0.11 0.00 | 47.92 -0.31 0.00 | 55.64 -0.23 0.00 | 50.18 -0.20 0.00 | 42.27 -0.11 0.00 | 53.16 -0.18 0.00 | 49.65 -0.07 0.00 | 34.16 0.04 0.00 | 29.44 0.22 0.00 |
| BETHPAGE_CC_5 323564 | 39.99 2.15 -1.24 | 32.16 1.51 -1.51 | 31.32 1.42 -0.82 | 31.42 1.49 -1.06 | 31.07 1.57 -0.20 | 38.25 1.79 -2.60 | 43.61 2.14 -2.51 | 42.12 2.03 -5.61 | 46.79 1.99 -10.83 | 55.04 2.47 -9.49 | 58.05 2.63 -10.19 | 51.47 2.70 -6.03 | 112.14 2.97 -58.94 | 56.07 2.68 -8.27 | 74.66 2.90 -31.36 | 55.08 2.96 -9.20 | 50.97 2.74 0.00 | 58.77 2.90 0.00 | 53.16 2.77 0.00 | 44.61 2.23 0.00 | 55.90 2.56 0.00 | 53.21 2.74 -0.75 | 56.96 2.36 -20.48 | 34.56 2.13 -3.20 |
| BIGTREE_115_KV_TB2_REV_LBMP_A 345034 | 34.45 -2.15 0.00 | 27.23 -1.91 0.00 | 24.52 -2.08 2.49 | 25.33 -2.03 1.52 | 21.98 -2.02 5.31 | 31.93 -1.92 0.00 | 36.56 -2.40 0.00 | 31.62 -2.86 0.00 | 31.75 -2.22 0.00 | 35.36 -2.94 4.80 | 33.32 -2.82 9.09 | 39.54 -3.07 0.14 | 43.06 -3.74 3.43 | 31.17 -3.17 10.78 | 23.44 -2.33 14.63 | 25.17 -2.48 15.28 | 29.06 -2.88 16.29 | 26.98 -4.04 24.84 | 27.83 -3.36 19.20 | 29.59 -2.78 10.02 | 33.34 -3.35 16.65 | 34.52 -3.31 11.89 | 28.75 -2.31 3.06 | 24.42 -1.95 2.84 |
| BINGHAMTON___COGEN 23790 | 36.06 -0.55 0.00 | 28.55 -0.59 0.00 | 25.54 -0.70 2.84 | 26.44 -0.70 1.74 | 22.54 -0.71 6.06 | 33.22 -0.63 0.00 | 38.18 -0.79 0.00 | 33.69 -0.80 0.00 | 33.48 -0.50 0.00 | 42.28 -0.81 0.00 | 44.45 -0.78 0.00 | 41.85 -0.89 0.00 | 48.65 -1.20 0.39 | 44.10 -1.02 0.00 | 39.70 -0.70 0.00 | 42.17 -0.75 0.00 | 47.25 -0.98 0.00 | 51.03 -1.40 3.44 | 48.49 -1.10 0.80 | 40.60 -0.97 0.81 | 52.28 -1.06 0.00 | 48.66 -1.06 0.00 | 33.15 -0.76 0.21 | 28.65 -0.58 0.00 |

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|-------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|
| BIXINCNT_115KV_LOAD 355685 | 34.81 -1.80 0.00 | 27.53 -1.60 0.00 | 24.73 -1.83 2.53 | 25.64 -1.70 1.55 | 22.29 -1.62 5.39 | 32.34 -1.51 0.00 | 36.97 -2.00 0.00 | 31.99 -2.49 0.00 | 32.14 -1.83 0.00 | 36.88 -2.96 3.26 | 36.16 -2.89 6.18 | 39.72 -2.93 0.09 | 43.07 -4.44 2.73 | 33.64 -4.14 7.34 | 27.24 -3.20 9.95 | 29.26 -3.27 10.39 | 33.38 -3.77 11.08 | 29.89 -5.06 20.92 | 31.89 -4.01 14.48 | 30.91 -3.21 8.25 | 38.22 -3.80 11.32 | 38.81 -2.82 8.08 | 29.71 -1.95 2.46 | 25.41 -1.87 1.93 |
| BLACK RIVER___HYD 24047 | 36.37 -0.24 0.00 | 28.86 -0.27 0.00 | 25.21 -0.43 3.45 | 26.40 -0.36 2.11 | 21.60 -0.34 7.36 | 33.69 -0.15 0.00 | 38.93 -0.03 0.00 | 34.41 -0.07 0.00 | 33.65 -0.33 0.00 | 42.23 -0.87 0.00 | 43.89 -1.34 0.00 | 40.97 -1.77 0.00 | 48.50 -1.72 0.00 | 43.55 -1.57 0.00 | 39.08 -1.31 0.00 | 42.01 -0.92 0.00 | 46.59 -1.64 0.00 | 54.02 -1.85 0.00 | 49.01 -1.37 0.00 | 41.65 -0.73 0.00 | 52.02 -1.32 0.00 | 48.06 -1.66 0.00 | 32.89 -1.23 0.00 | 27.63 -1.59 0.00 |
| BLACKRVR_115KV_TB2 79977 | 36.37 -0.24 0.00 | 28.86 -0.27 0.00 | 25.21 -0.43 3.45 | 26.40 -0.36 2.11 | 21.60 -0.34 7.36 | 33.69 -0.15 0.00 | 38.93 -0.03 0.00 | 34.41 -0.08 0.00 | 33.65 -0.33 0.00 | 42.23 -0.86 0.00 | 43.89 -1.34 0.00 | 40.97 -1.77 0.00 | 48.51 -1.73 0.00 | 43.55 -1.57 0.00 | 39.08 -1.31 0.00 | 42.00 -0.92 0.00 | 46.59 -1.64 0.00 | 54.02 -1.85 0.00 | 49.01 -1.38 0.00 | 41.65 -0.73 0.00 | 52.02 -1.33 0.00 | 48.06 -1.66 0.00 | 32.89 -1.23 0.00 | 27.64 -1.59 0.00 |
| BLDWN_LI_69_KV_BK4 356085 | 55.40 2.10 -16.69 | 51.02 1.48 -20.41 | 47.83 1.38 -17.36 | 48.44 1.47 -18.09 | 46.94 1.54 -16.10 | 57.59 1.79 -21.95 | 60.47 2.16 -19.35 | 60.74 2.08 -24.18 | 65.41 2.03 -29.41 | 75.04 2.51 -29.43 | 86.67 2.64 -38.80 | 66.64 2.69 -21.20 | 272.25 3.05 -218.98 | 71.35 2.72 -23.51 | 137.70 3.03 -94.27 | 70.33 3.05 -24.35 | 51.16 2.93 0.00 | 59.03 3.16 0.00 | 53.39 3.00 0.00 | 44.82 2.44 0.00 | 56.23 2.89 0.00 | 58.03 2.91 -5.40 | 113.82 2.32 -77.37 | 46.21 2.10 -14.88 |
| BLISS_WT_PWR 323608 | 34.71 -1.90 0.00 | 27.46 -1.67 0.00 | 24.65 -1.91 2.53 | 25.57 -1.76 1.55 | 22.25 -1.66 5.39 | 32.28 -1.57 0.00 | 36.87 -2.09 0.00 | 31.87 -2.61 0.00 | 32.05 -1.92 0.00 | 36.63 -3.20 3.26 | 35.91 -3.14 6.18 | 39.51 -3.14 0.09 | 42.63 -4.87 2.73 | 33.20 -4.58 7.34 | 26.84 -3.60 9.95 | 28.89 -3.63 10.39 | 32.95 -4.20 11.08 | 29.39 -5.56 20.92 | 31.51 -4.39 14.48 | 30.61 -3.52 8.25 | 37.88 -4.14 11.32 | 38.71 -2.93 8.08 | 29.63 -2.02 2.46 | 25.28 -2.01 1.93 |
| BLUESTONE___WT_PWR 323821 | 36.91 0.30 0.00 | 28.80 -0.34 0.00 | 25.83 -0.78 2.48 | 26.64 -0.72 1.52 | 23.28 -0.73 5.29 | 33.21 -0.64 0.00 | 37.92 -1.05 0.00 | 33.52 -0.96 0.00 | 33.72 -0.26 0.00 | 43.66 -0.09 -0.65 | 46.16 -0.30 -1.24 | 41.72 -1.04 -0.02 | 49.66 -1.42 -0.85 | 45.12 -1.47 -1.47 | 41.21 -1.17 -1.99 | 44.00 -1.00 -2.08 | 49.15 -1.29 -2.21 | 61.75 -1.70 -7.58 | 53.03 -1.76 -4.40 | 44.05 -1.51 -3.18 | 53.60 -2.01 -2.26 | 49.27 -2.07 -1.62 | 33.55 -1.47 -0.90 | 28.24 -1.37 -0.39 |
| BLUE_CIRC_CHEM_DRP 24182 | 36.98 0.36 0.00 | 29.49 0.36 0.00 | 29.10 0.38 0.37 | 29.03 0.38 0.22 | 28.92 0.40 0.78 | 34.26 0.40 0.00 | 39.42 0.45 0.00 | 34.93 0.45 0.00 | 34.24 0.26 0.00 | 43.31 0.21 0.00 | 45.49 0.27 0.00 | 43.00 0.26 0.00 | 50.51 0.27 0.00 | 45.51 0.40 0.00 | 40.86 0.47 0.00 | 43.39 0.47 0.00 | 48.41 0.18 0.00 | 56.17 0.30 0.00 | 50.67 0.29 0.00 | 42.68 0.30 0.00 | 53.73 0.39 0.00 | 50.18 0.47 0.00 | 34.50 0.38 0.00 | 29.67 0.45 0.00 |
| BOC_GAS_DRP 24189 | 36.82 0.21 0.00 | 29.33 0.20 0.00 | 28.93 0.20 0.36 | 28.86 0.20 0.22 | 28.76 0.22 0.76 | 34.03 0.19 0.00 | 39.18 0.21 0.00 | 34.75 0.26 0.00 | 34.12 0.15 0.00 | 43.19 0.10 0.00 | 45.38 0.15 0.00 | 42.90 0.16 0.00 | 50.39 0.16 0.00 | 45.40 0.29 0.00 | 40.77 0.38 0.00 | 43.30 0.38 0.00 | 48.32 0.09 0.00 | 56.03 0.16 0.00 | 50.52 0.13 0.00 | 42.52 0.14 0.00 | 53.50 0.16 0.00 | 49.96 0.24 0.00 | 34.37 0.25 0.00 | 29.58 0.36 0.00 |
| BOONVILLE_115KV_TB1 79983 | 36.97 0.36 0.00 | 29.35 0.22 0.00 | 27.52 0.12 1.69 | 28.01 0.16 1.04 | 25.87 0.18 3.61 | 34.17 0.32 0.00 | 39.41 0.45 0.00 | 34.88 0.40 0.00 | 34.28 0.31 0.00 | 43.33 0.24 0.00 | 45.31 0.08 0.00 | 42.67 -0.07 0.00 | 50.32 0.09 0.00 | 45.32 0.20 0.00 | 40.69 0.30 0.00 | 43.14 0.22 0.00 | 48.21 -0.02 0.00 | 55.88 0.01 0.00 | 50.57 0.19 0.00 | 42.60 0.22 0.00 | 53.42 0.08 0.00 | 49.62 -0.10 0.00 | 33.97 -0.15 0.00 | 28.88 -0.34 0.00 |
| BORALEX_4TH_BRANCH 23824 | 37.67 1.06 0.00 | 30.04 0.91 0.00 | 29.80 1.06 0.35 | 29.66 1.00 0.21 | 29.58 1.02 0.74 | 34.90 1.05 0.00 | 40.16 1.20 0.00 | 35.77 1.29 0.00 | 34.94 0.97 0.00 | 44.43 1.34 0.00 | 46.54 1.31 0.00 | 43.90 1.15 0.00 | 51.62 1.39 0.00 | 46.54 1.42 0.00 | 41.63 1.24 0.00 | 44.19 1.27 0.00 | 48.93 0.70 0.00 | 57.06 1.19 0.00 | 51.51 1.12 0.00 | 43.44 1.06 0.00 | 54.84 1.49 0.00 | 51.20 1.49 0.00 | 35.12 1.00 0.00 | 30.33 1.11 0.00 |
| BOWLINE___1 23526 | 37.86 1.25 0.00 | 30.04 0.91 0.00 | 29.33 0.76 0.52 | 29.37 0.82 0.32 | 29.02 0.82 1.10 | 34.75 0.90 0.00 | 40.07 1.11 0.00 | 35.61 1.13 0.00 | 35.12 1.14 0.00 | 44.43 1.34 0.00 | 46.72 1.49 0.00 | 44.31 1.57 0.00 | 51.94 1.71 0.00 | 46.88 1.77 0.00 | 42.29 1.91 0.00 | 44.95 2.03 0.00 | 50.17 1.94 0.00 | 57.97 2.11 0.00 | 52.31 1.92 0.00 | 43.95 1.56 0.00 | 55.24 1.90 0.00 | 51.59 1.87 0.00 | 35.57 1.45 0.00 | 30.60 1.38 0.00 |
| BOWLINE___2 23595 | 37.86 1.25 0.00 | 30.04 0.91 0.00 | 29.34 0.77 0.52 | 29.38 0.82 0.32 | 29.03 0.83 1.10 | 34.76 0.91 0.00 | 40.08 1.12 0.00 | 35.63 1.15 0.00 | 35.13 1.16 0.00 | 44.44 1.35 0.00 | 46.73 1.50 0.00 | 44.33 1.58 0.00 | 51.95 1.72 0.00 | 46.90 1.78 0.00 | 42.31 1.92 0.00 | 44.97 2.04 0.00 | 50.18 1.95 0.00 | 58.00 2.13 0.00 | 52.32 1.93 0.00 | 43.95 1.57 0.00 | 55.26 1.92 0.00 | 51.61 1.89 0.00 | 35.58 1.46 0.00 | 30.60 1.38 0.00 |
| BRADY___115KV_TB2 356060 | 37.14 0.53 0.00 | 29.58 0.45 0.00 | 28.99 0.53 0.62 | 29.03 0.54 0.38 | 28.48 0.51 1.33 | 34.56 0.71 0.00 | 39.79 0.83 0.00 | 34.93 0.45 0.00 | 34.34 0.37 0.00 | 43.90 0.81 0.00 | 45.71 0.48 0.00 | 43.14 0.39 0.00 | 51.07 0.84 0.00 | 45.58 0.46 0.00 | 40.38 -0.02 0.00 | 43.03 0.11 0.00 | 48.68 0.45 0.00 | 56.62 0.75 0.00 | 51.14 0.75 0.00 | 43.09 0.71 0.00 | 54.38 1.04 0.00 | 50.53 0.82 0.00 | 34.60 0.48 0.00 | 29.37 0.15 0.00 |
| BRANSCOMB___SOLAR 323811 | 37.69 1.08 0.00 | 30.04 0.91 0.00 | 29.68 0.94 0.34 | 29.56 0.89 0.21 | 29.50 0.93 0.73 | 34.89 1.04 0.00 | 40.31 1.34 0.00 | 35.82 1.33 0.00 | 35.04 1.07 0.00 | 44.44 1.35 0.00 | 46.69 1.46 0.00 | 44.08 1.33 0.00 | 51.62 1.39 0.00 | 46.47 1.35 0.00 | 41.67 1.27 0.00 | 44.35 1.43 0.00 | 49.55 1.32 0.00 | 57.70 1.83 0.00 | 52.11 1.73 0.00 | 43.96 1.58 0.00 | 55.45 2.11 0.00 | 51.66 1.95 0.00 | 35.38 1.26 0.00 | 30.41 1.19 0.00 |
| BRDGHMPT_69_KV_BK1 55812 | 35.88 2.40 3.13 | 27.08 1.77 3.82 | 27.12 1.89 3.85 | 27.20 2.09 3.76 | 27.22 2.22 4.29 | 32.39 2.55 4.01 | 38.59 3.16 3.54 | 35.73 2.68 1.43 | 39.50 2.48 -3.05 | 47.95 3.49 -1.36 | 48.03 3.85 1.05 | 46.52 3.79 0.01 | 48.88 4.05 5.40 | 51.18 4.04 -2.02 | 49.39 4.44 -4.56 | 50.15 4.35 -2.88 | 52.08 3.85 0.00 | 60.39 4.52 0.00 | 54.70 4.32 0.00 | 45.53 3.15 0.00 | 56.75 3.41 0.00 | 51.84 3.51 1.39 | 32.09 2.49 4.52 | 30.18 2.14 1.18 |

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| BRENTWOD_69_KV_W. BRTWOOD 56703 | 36.39 2.36 2.58 | 27.64 1.66 3.16 | 27.40 1.59 3.27 | 27.40 1.68 3.16 | 27.33 1.77 3.73 | 32.74 2.09 3.20 | 38.61 2.45 2.81 | 36.15 2.24 0.58 | 40.19 2.23 -3.99 | 48.42 2.98 -2.35 | 48.68 3.14 -0.32 | 46.67 3.20 -0.73 | 56.23 3.53 -2.47 | 51.18 3.29 -2.78 | 51.68 3.45 -7.85 | 50.12 3.56 -3.64 | 51.66 3.43 0.00 | 59.59 3.72 0.00 | 53.93 3.55 0.00 | 45.12 2.73 0.00 | 56.32 2.98 0.00 | 51.97 3.36 1.11 | 35.33 2.60 1.39 | 30.89 2.32 0.64 |
| BRISTLHL_115KV_TB1 79998 | 35.06 -1.55 0.00 | 27.82 -1.32 0.00 | 21.82 -1.38 5.89 | 23.90 -1.38 3.60 | 15.38 -1.37 12.55 | 32.42 -1.44 0.00 | 37.37 -1.60 0.00 | 33.00 -1.49 0.00 | 32.63 -1.34 0.00 | 41.23 -1.87 0.00 | 43.31 -1.92 0.00 | 40.83 -1.91 0.00 | 47.93 -2.30 0.00 | 43.16 -1.96 0.00 | 38.87 -1.53 0.00 | 41.24 -1.69 0.00 | 46.24 -1.99 0.00 | 53.44 -2.43 0.00 | 48.28 -2.10 0.00 | 40.64 -1.74 0.00 | 51.18 -2.17 0.00 | 47.64 -2.08 0.00 | 32.63 -1.49 0.00 | 27.93 -1.29 0.00 |
| BROOKHAVEN___DRP 24191 | 35.71 2.25 3.14 | 26.85 1.57 3.85 | 26.76 1.54 3.87 | 26.74 1.64 3.77 | 26.73 1.74 4.31 | 31.86 2.04 4.03 | 37.90 2.49 3.56 | 35.28 2.26 1.46 | 39.20 2.21 -3.02 | 47.35 2.92 -1.33 | 47.22 3.08 1.09 | 45.83 3.12 0.03 | 47.98 3.37 5.62 | 50.38 3.26 -2.00 | 48.37 3.51 -4.47 | 49.37 3.59 -2.86 | 51.62 3.39 0.00 | 59.55 3.68 0.00 | 53.92 3.54 0.00 | 45.15 2.76 0.00 | 56.46 3.12 0.00 | 51.61 3.29 1.39 | 32.03 2.51 4.61 | 30.24 2.21 1.19 |
| BROOKLYN_NAVY_YARD 23515 | 37.99 1.38 0.00 | 30.14 1.01 0.00 | 29.44 0.85 0.50 | 29.47 0.90 0.31 | 29.14 0.92 1.07 | 34.85 1.00 0.00 | 40.23 1.26 -0.01 | 35.89 1.34 -0.07 | 35.57 1.39 -0.20 | 44.91 1.57 -0.24 | 47.37 1.74 -0.40 | 44.94 1.85 -0.34 | 59.57 2.06 -7.28 | 47.20 2.08 0.00 | 45.08 2.21 -2.47 | 45.24 2.32 0.00 | 50.43 2.20 0.00 | 58.26 2.39 0.00 | 52.51 2.13 0.00 | 44.10 1.72 0.00 | 55.36 2.02 0.01 | 52.57 2.07 -0.78 | 40.97 1.61 -5.23 | 30.73 1.51 0.00 |
| BROOKLYN___ARMY_DRP 323595 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| BROOME_2_LFGE 323671 | 36.06 -0.55 0.00 | 28.54 -0.59 0.00 | 25.54 -0.70 2.84 | 26.43 -0.70 1.74 | 22.53 -0.71 6.06 | 33.22 -0.63 0.00 | 38.17 -0.79 0.00 | 33.69 -0.80 0.00 | 33.48 -0.50 0.00 | 42.28 -0.82 0.00 | 44.45 -0.78 0.00 | 41.85 -0.89 0.00 | 48.65 -1.20 0.39 | 44.11 -1.01 0.00 | 39.69 -0.70 0.00 | 42.16 -0.76 0.00 | 47.23 -1.00 0.00 | 51.01 -1.42 3.44 | 48.47 -1.12 0.80 | 40.60 -0.97 0.81 | 52.28 -1.06 0.00 | 48.66 -1.06 0.00 | 33.14 -0.77 0.21 | 28.64 -0.58 0.00 |
| BROOME___LFGE 323600 | 36.06 -0.55 0.00 | 28.54 -0.59 0.00 | 25.54 -0.70 2.84 | 26.43 -0.70 1.74 | 22.53 -0.71 6.06 | 33.22 -0.63 0.00 | 38.17 -0.79 0.00 | 33.69 -0.80 0.00 | 33.48 -0.50 0.00 | 42.28 -0.82 0.00 | 44.45 -0.78 0.00 | 41.85 -0.89 0.00 | 48.65 -1.20 0.39 | 44.11 -1.01 0.00 | 39.69 -0.70 0.00 | 42.16 -0.76 0.00 | 47.23 -1.00 0.00 | 51.01 -1.42 3.44 | 48.47 -1.12 0.80 | 40.60 -0.97 0.81 | 52.28 -1.06 0.00 | 48.66 -1.06 0.00 | 33.14 -0.77 0.21 | 28.64 -0.58 0.00 |
| BROWNFLS_115KV_TB_3_5 80003 | 36.24 -0.37 0.00 | 28.82 -0.31 0.00 | 27.07 -0.37 1.65 | 27.55 -0.31 1.01 | 25.46 -0.33 3.52 | 33.60 -0.25 0.00 | 38.70 -0.26 0.00 | 34.16 -0.33 0.00 | 33.46 -0.52 0.00 | 42.47 -0.63 0.00 | 44.14 -1.09 0.00 | 41.55 -1.19 0.00 | 49.26 -0.97 0.00 | 44.15 -0.97 0.00 | 39.28 -1.11 0.00 | 41.78 -1.15 0.00 | 46.81 -1.42 0.00 | 54.34 -1.53 0.00 | 49.21 -1.18 0.00 | 41.54 -0.84 0.00 | 52.08 -1.26 0.00 | 48.35 -1.37 0.00 | 33.16 -0.97 0.00 | 28.01 -1.21 0.00 |
| BROWNSV1_27_KV_LOAD 356125 | 38.38 1.77 0.00 | 30.46 1.32 0.00 | 29.73 1.15 0.50 | 29.76 1.19 0.31 | 29.44 1.21 1.07 | 35.21 1.35 0.00 | 40.66 1.69 0.00 | 36.22 1.73 0.00 | 35.78 1.81 0.00 | 45.21 2.12 0.00 | 47.52 2.29 0.00 | 45.09 2.34 0.00 | 52.84 2.61 0.00 | 47.74 2.62 0.00 | 43.09 2.70 0.00 | 45.78 2.85 0.00 | 51.03 2.80 0.00 | 58.93 3.06 0.00 | 53.13 2.75 0.00 | 44.62 2.24 0.00 | 56.04 2.70 0.00 | 52.42 2.70 0.00 | 36.15 2.03 0.00 | 31.08 1.86 0.00 |
| BURROWS___LYONSDAL 23803 | 36.83 0.22 0.00 | 29.24 0.11 0.00 | 27.27 -0.01 1.82 | 27.82 0.06 1.11 | 25.49 0.07 3.87 | 34.04 0.19 0.00 | 39.27 0.31 0.00 | 34.75 0.27 0.00 | 34.09 0.11 0.00 | 43.05 -0.04 0.00 | 44.97 -0.26 0.00 | 42.30 -0.45 0.00 | 49.97 -0.26 0.00 | 45.00 -0.12 0.00 | 40.39 0.00 0.00 | 42.81 -0.12 0.00 | 47.79 -0.43 0.00 | 55.39 -0.48 0.00 | 50.18 -0.20 0.00 | 42.30 -0.08 0.00 | 52.96 -0.38 0.00 | 49.13 -0.59 0.00 | 33.64 -0.49 0.00 | 28.53 -0.69 0.00 |
| CAITHNESS_CC_1 323624 | 35.63 2.18 3.16 | 26.79 1.52 3.86 | 26.68 1.48 3.88 | 26.65 1.56 3.79 | 26.64 1.66 4.32 | 31.76 1.96 4.05 | 37.78 2.39 3.58 | 35.18 2.17 1.48 | 39.11 2.14 -3.00 | 47.22 2.81 -1.31 | 47.12 3.01 1.12 | 45.73 3.03 0.04 | 47.67 3.23 5.79 | 50.25 3.14 -1.99 | 48.16 3.37 -4.39 | 49.22 3.46 -2.84 | 51.48 3.25 0.00 | 59.37 3.50 0.00 | 53.76 3.38 0.00 | 45.02 2.64 0.00 | 56.30 2.96 0.00 | 51.48 3.16 1.40 | 31.87 2.42 4.68 | 30.17 2.16 1.20 |
| CALPINE BETH_PAGE_GT4 24209 | 41.45 2.14 -2.70 | 33.95 1.52 -3.30 | 32.89 1.41 -2.39 | 33.04 1.49 -2.67 | 32.57 1.56 -1.71 | 40.59 1.80 -4.93 | 45.79 2.17 -4.66 | 44.69 2.08 -8.13 | 49.67 2.05 -13.65 | 58.05 2.54 -12.42 | 62.14 2.68 -14.23 | 53.70 2.75 -8.20 | 135.46 3.07 -82.16 | 58.41 2.77 -10.52 | 84.47 2.98 -41.09 | 57.44 3.04 -11.48 | 50.99 2.76 0.00 | 58.80 2.93 0.00 | 53.17 2.78 0.00 | 44.63 2.25 0.00 | 55.94 2.59 0.00 | 54.00 2.74 -1.54 | 66.10 2.36 -29.61 | 36.12 2.14 -4.77 |
| CALPINE_BETH_PAGE_GT_4 323586 | 41.46 2.15 -2.70 | 33.95 1.51 -3.30 | 32.89 1.42 -2.39 | 33.02 1.48 -2.67 | 32.57 1.56 -1.71 | 40.59 1.80 -4.93 | 45.79 2.17 -4.66 | 44.69 2.08 -8.13 | 49.67 2.05 -13.65 | 58.04 2.53 -12.42 | 62.16 2.70 -14.23 | 53.71 2.76 -8.20 | 135.45 3.06 -82.16 | 58.41 2.77 -10.52 | 84.47 2.98 -41.09 | 57.44 3.03 -11.48 | 50.98 2.75 0.00 | 58.78 2.92 0.00 | 53.16 2.78 0.00 | 44.63 2.25 0.00 | 55.94 2.59 0.00 | 53.98 2.72 -1.54 | 66.09 2.36 -29.61 | 36.12 2.13 -4.77 |
| CALPINE_BP_GT1 23823 | 41.46 2.15 -2.70 | 33.95 1.51 -3.30 | 32.89 1.42 -2.39 | 33.02 1.48 -2.67 | 32.57 1.56 -1.71 | 40.59 1.80 -4.93 | 45.79 2.17 -4.66 | 44.69 2.08 -8.13 | 49.67 2.05 -13.65 | 58.04 2.53 -12.42 | 62.16 2.70 -14.23 | 53.71 2.76 -8.20 | 135.45 3.06 -82.16 | 58.41 2.77 -10.52 | 84.47 2.98 -41.09 | 57.44 3.03 -11.48 | 50.98 2.75 0.00 | 58.78 2.92 0.00 | 53.16 2.78 0.00 | 44.63 2.25 0.00 | 55.94 2.59 0.00 | 53.98 2.72 -1.54 | 66.09 2.36 -29.61 | 36.12 2.13 -4.77 |
| CALSPAN___DRP 24200 | 34.32 -2.28 0.00 | 27.13 -2.00 0.00 | 24.43 -2.18 2.48 | 25.23 -2.13 1.52 | 21.88 -2.13 5.29 | 31.81 -2.04 0.00 | 36.43 -2.53 0.00 | 31.49 -2.99 0.00 | 31.61 -2.37 0.00 | 34.90 -3.11 5.08 | 32.61 -2.99 9.62 | 39.36 -3.25 0.14 | 42.78 -3.90 3.55 | 30.39 -3.31 11.42 | 22.45 -2.45 15.49 | 24.12 -2.62 16.19 | 27.94 -3.04 17.25 | 26.06 -4.23 25.57 | 26.77 -3.55 20.07 | 29.10 -2.93 10.34 | 32.17 -3.54 17.63 | 33.61 -3.52 12.59 | 28.50 -2.45 3.17 | 24.14 -2.07 3.01 |

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| CALVERTON___SOLAR 323806 | 35.78 2.31 3.14 | 26.91 1.62 3.84 | 26.83 1.61 3.86 | 26.81 1.70 3.77 | 26.81 1.81 4.30 | 31.96 2.13 4.03 | 38.01 2.60 3.56 | 35.37 2.34 1.45 | 39.29 2.28 -3.02 | 47.48 3.05 -1.34 | 47.43 3.28 1.08 | 45.98 3.26 0.02 | 48.14 3.48 5.57 | 50.52 3.39 -2.01 | 48.50 3.62 -4.49 | 49.52 3.73 -2.86 | 51.74 3.51 0.00 | 59.71 3.84 0.00 | 54.09 3.71 0.00 | 45.27 2.88 0.00 | 56.58 3.24 0.00 | 51.73 3.40 1.39 | 32.09 2.56 4.59 | 30.29 2.26 1.19 |
| CANDIGU_WT_PWR 323617 | 34.71 -1.90 0.00 | 27.33 -1.80 0.00 | 24.45 -1.89 2.75 | 25.31 -1.88 1.68 | 21.45 -1.99 5.86 | 31.92 -1.93 0.00 | 36.54 -2.43 0.00 | 31.87 -2.60 0.01 | 31.66 -2.30 0.02 | 11.87 -3.18 28.05 | -11.26 -3.34 53.15 | 38.49 -3.45 0.80 | 29.86 -4.24 16.13 | -21.68 -3.75 63.05 | -48.23 -3.09 85.53 | -49.70 -3.25 89.37 | -50.69 -3.67 95.25 | -54.80 -4.61 106.06 | -51.97 -3.93 98.42 | -5.50 -3.31 44.57 | -47.82 -3.81 97.35 | -23.62 -3.83 69.51 | 17.19 -2.74 14.19 | 10.32 -2.29 16.61 |
| CARR STREET_E_SYR 24060 | 35.57 -1.04 0.00 | 28.22 -0.92 0.00 | 23.10 -1.00 4.99 | 24.84 -0.99 3.05 | 17.68 -0.99 10.63 | 32.87 -0.98 0.00 | 37.88 -1.09 0.00 | 33.45 -1.03 0.00 | 33.12 -0.86 0.00 | 41.86 -1.24 0.00 | 44.00 -1.23 0.00 | 41.48 -1.26 0.00 | 48.73 -1.51 0.00 | 43.85 -1.27 0.00 | 39.44 -0.95 0.00 | 41.91 -1.02 0.00 | 46.92 -1.31 0.00 | 54.23 -1.64 0.00 | 48.98 -1.40 0.00 | 41.19 -1.19 0.00 | 51.92 -1.42 0.00 | 48.32 -1.40 0.00 | 33.11 -1.01 0.00 | 28.35 -0.87 0.00 |
| CARTHAGE___PAPER 23857 | 36.61 0.00 0.00 | 29.07 -0.06 0.00 | 25.88 -0.19 3.02 | 26.91 -0.12 1.84 | 22.77 -0.10 6.43 | 33.93 0.08 0.00 | 39.17 0.21 0.00 | 34.61 0.13 0.00 | 33.81 -0.16 0.00 | 42.56 -0.53 0.00 | 44.25 -0.98 0.00 | 41.41 -1.34 0.00 | 49.10 -1.13 0.00 | 44.08 -1.04 0.00 | 39.51 -0.88 0.00 | 42.24 -0.69 0.00 | 47.00 -1.23 0.00 | 54.46 -1.41 0.00 | 49.44 -0.95 0.00 | 41.91 -0.47 0.00 | 52.38 -0.96 0.00 | 48.41 -1.30 0.00 | 33.14 -0.98 0.00 | 27.87 -1.35 0.00 |
| CASSADAGA_WT_PWR 323784 | 34.50 -2.11 0.00 | 27.13 -2.00 0.00 | 24.41 -2.16 2.52 | 25.20 -2.14 1.54 | 21.76 -2.17 5.37 | 31.88 -1.97 0.00 | 36.78 -2.19 0.00 | 31.69 -2.79 0.00 | 31.84 -2.14 0.00 | 36.42 -2.99 3.69 | 35.38 -2.86 6.99 | 39.47 -3.17 0.11 | 43.17 -4.12 2.94 | 33.19 -3.63 8.30 | 26.38 -2.76 11.25 | 28.39 -2.78 11.76 | 32.34 -3.36 12.53 | 29.35 -4.36 22.15 | 30.68 -3.85 15.85 | 30.31 -3.27 8.80 | 37.54 -3.00 12.81 | 37.14 -3.43 9.14 | 28.88 -2.60 2.65 | 24.92 -2.12 2.19 |
| CE_DUNWOOD___DRP 24194 | 37.99 1.39 0.00 | 30.15 1.02 0.00 | 29.46 0.88 0.50 | 29.49 0.92 0.31 | 29.17 0.94 1.07 | 34.89 1.04 0.00 | 40.25 1.29 0.00 | 35.80 1.31 0.00 | 35.34 1.37 0.00 | 44.69 1.60 0.00 | 46.98 1.75 0.00 | 44.55 1.81 0.00 | 52.24 2.01 0.00 | 47.15 2.03 0.00 | 42.54 2.15 0.00 | 45.21 2.28 0.00 | 50.43 2.20 0.00 | 58.25 2.39 0.00 | 52.54 2.16 0.00 | 44.14 1.75 0.00 | 55.45 2.10 0.00 | 51.82 2.10 0.00 | 35.73 1.60 0.00 | 30.73 1.51 0.00 |
| CE_MILLWOOD___DRP 24193 | 37.93 1.32 0.00 | 30.11 0.98 0.00 | 29.42 0.84 0.51 | 29.45 0.89 0.31 | 29.11 0.89 1.08 | 34.83 0.98 0.00 | 40.19 1.23 0.00 | 35.74 1.25 0.00 | 35.27 1.30 0.00 | 44.61 1.51 0.00 | 46.88 1.65 0.00 | 44.46 1.72 0.00 | 52.14 1.91 0.00 | 47.06 1.94 0.00 | 42.45 2.06 0.00 | 45.11 2.19 0.00 | 50.33 2.10 0.00 | 58.15 2.28 0.00 | 52.46 2.07 0.00 | 44.06 1.68 0.00 | 55.37 2.03 0.00 | 51.73 2.01 0.00 | 35.67 1.54 0.00 | 30.67 1.45 0.00 |
| CE_NYC2_DRP 24202 | 38.16 1.55 0.00 | 30.32 1.19 0.00 | 29.61 1.02 0.50 | 29.64 1.08 0.31 | 29.31 1.08 1.07 | 35.05 1.20 0.00 | 40.46 1.49 0.00 | 36.05 1.57 0.00 | 35.60 1.62 0.00 | 44.88 1.78 0.00 | 47.20 1.98 0.00 | 44.82 2.08 0.00 | 52.56 2.33 0.00 | 47.43 2.32 0.00 | 42.85 2.46 0.00 | 45.49 2.57 0.00 | 50.69 2.47 0.00 | 58.53 2.66 0.00 | 52.74 2.36 0.00 | 44.28 1.90 0.00 | 55.61 2.26 0.00 | 52.00 2.29 0.00 | 35.87 1.75 0.00 | 30.87 1.65 0.00 |
| CE_NYC_DRP 24195 | 38.14 1.53 0.00 | 30.27 1.14 0.00 | 29.56 0.98 0.50 | 29.59 1.02 0.31 | 29.26 1.03 1.07 | 35.00 1.15 0.00 | 40.39 1.42 0.00 | 35.96 1.48 0.00 | 35.52 1.54 0.00 | 44.88 1.79 0.00 | 47.17 1.94 0.00 | 44.77 2.03 0.00 | 52.47 2.24 0.00 | 47.39 2.27 0.00 | 42.78 2.39 0.00 | 45.44 2.52 0.00 | 50.66 2.43 0.00 | 58.50 2.63 0.00 | 52.74 2.35 0.00 | 44.28 1.90 0.00 | 55.60 2.26 0.00 | 52.01 2.29 0.00 | 35.88 1.76 0.00 | 30.86 1.64 0.00 |
| CHAFFEE___LFGE 323603 | 34.57 -2.04 0.00 | 27.31 -1.82 0.00 | 24.58 -2.00 2.50 | 25.39 -1.95 1.53 | 22.01 -1.95 5.34 | 32.03 -1.82 0.00 | 36.68 -2.28 0.00 | 31.76 -2.72 0.00 | 31.88 -2.09 0.00 | 36.20 -2.73 4.16 | 34.75 -2.59 7.89 | 39.72 -2.90 0.12 | 43.59 -3.50 3.14 | 32.83 -2.93 9.36 | 25.58 -2.12 12.69 | 27.42 -2.25 13.26 | 31.48 -2.61 14.13 | 28.90 -3.75 23.22 | 30.04 -3.09 17.25 | 30.52 -2.57 9.29 | 35.82 -3.08 14.44 | 36.29 -3.12 10.31 | 29.11 -2.20 2.82 | 24.91 -1.84 2.47 |
| CHATEAUG_35_KV_LOAD 355732 | 36.93 0.32 0.00 | 29.37 0.24 0.00 | 29.00 0.34 0.42 | 29.00 0.38 0.26 | 28.77 0.37 0.89 | 34.35 0.50 0.00 | 39.49 0.53 0.00 | 34.74 0.26 0.00 | 34.16 0.18 0.00 | 43.30 0.21 0.00 | 45.26 0.03 0.00 | 42.84 0.10 0.00 | 50.58 0.36 0.00 | 45.23 0.12 0.00 | 40.19 -0.20 0.00 | 42.76 -0.17 0.00 | 48.29 0.06 0.00 | 56.20 0.33 0.00 | 50.78 0.40 0.00 | 42.66 0.28 0.00 | 53.74 0.40 0.00 | 49.78 0.06 0.00 | 34.05 -0.07 0.00 | 28.89 -0.33 0.00 |
| CHATEAUG_WT_PWR 323614 | 36.91 0.29 0.00 | 29.34 0.21 0.00 | 29.03 0.31 0.37 | 29.00 0.35 0.22 | 28.86 0.34 0.78 | 34.31 0.46 0.00 | 39.46 0.50 0.00 | 34.77 0.29 0.00 | 34.20 0.22 0.00 | 43.39 0.29 0.00 | 45.32 0.09 0.00 | 42.90 0.16 0.00 | 50.63 0.40 0.00 | 45.31 0.19 0.00 | 40.25 -0.14 0.00 | 42.82 -0.11 0.00 | 48.31 0.07 0.00 | 56.21 0.34 0.00 | 50.78 0.39 0.00 | 42.62 0.24 0.00 | 53.64 0.30 0.00 | 49.67 -0.05 0.00 | 33.94 -0.18 0.00 | 28.84 -0.38 0.00 |
| CHAT_HIGH_FALL_HYD 323578 | 36.93 0.32 0.00 | 29.37 0.24 0.00 | 29.00 0.34 0.42 | 29.00 0.38 0.26 | 28.77 0.37 0.89 | 34.35 0.50 0.00 | 39.49 0.53 0.00 | 34.74 0.26 0.00 | 34.16 0.18 0.00 | 43.30 0.21 0.00 | 45.26 0.03 0.00 | 42.84 0.10 0.00 | 50.58 0.36 0.00 | 45.23 0.12 0.00 | 40.19 -0.20 0.00 | 42.76 -0.17 0.00 | 48.29 0.06 0.00 | 56.20 0.33 0.00 | 50.78 0.40 0.00 | 42.66 0.28 0.00 | 53.74 0.40 0.00 | 49.78 0.06 0.00 | 34.05 -0.07 0.00 | 28.89 -0.33 0.00 |
| CHAUTAUQUA___LFGE 323629 | 34.48 -2.13 0.00 | 27.15 -1.98 0.00 | 24.41 -2.18 2.50 | 25.20 -2.15 1.53 | 21.80 -2.17 5.33 | 31.86 -1.99 0.00 | 36.57 -2.40 0.00 | 31.64 -2.84 0.00 | 31.77 -2.21 0.00 | 35.56 -3.00 4.53 | 33.78 -2.87 8.58 | 39.46 -3.16 0.13 | 42.93 -3.98 3.32 | 31.52 -3.41 10.18 | 23.95 -2.63 13.81 | 25.77 -2.73 14.43 | 29.58 -3.27 15.38 | 27.13 -4.38 24.36 | 28.24 -3.70 18.45 | 29.50 -3.10 9.78 | 34.35 -3.28 15.72 | 35.05 -3.45 11.22 | 28.61 -2.54 2.98 | 24.47 -2.06 2.68 |
| CHERRYST_13_KV_LD 356241 | 38.23 1.62 0.00 | 30.34 1.21 0.00 | 29.64 1.05 0.50 | 29.67 1.10 0.31 | 29.34 1.11 1.07 | 35.09 1.24 0.00 | 40.51 1.54 0.00 | 36.07 1.59 0.00 | 35.65 1.67 0.00 | 45.04 2.12 0.00 | 47.34 2.19 0.00 | 44.94 2.41 0.00 | 52.65 2.44 0.00 | 47.56 2.53 0.00 | 42.93 2.68 0.00 | 45.60 2.68 0.00 | 50.83 2.60 0.00 | 58.70 2.83 0.00 | 52.91 2.52 0.00 | 44.41 2.03 0.00 | 55.77 2.43 0.00 | 52.16 2.44 0.00 | 35.98 1.86 0.00 | 30.94 1.72 0.00 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| CHESTROR_138KV_BK263 355645 | 37.72 1.11 0.00 | 29.94 0.81 0.00 | 29.22 0.67 0.54 | 29.26 0.72 0.33 | 28.89 0.74 1.15 | 34.66 0.81 0.00 | 39.97 1.00 0.00 | 35.50 1.01 0.00 | 35.01 1.04 0.00 | 44.31 1.22 0.00 | 46.57 1.35 0.00 | 44.14 1.39 0.00 | 51.77 1.54 0.00 | 46.71 1.59 0.00 | 42.11 1.71 0.00 | 44.75 1.83 0.00 | 49.98 1.75 0.00 | 57.77 1.90 0.00 | 52.12 1.74 0.00 | 43.79 1.41 0.00 | 55.07 1.73 0.00 | 51.38 1.67 0.00 | 35.41 1.29 0.00 | 30.44 1.22 0.00 |
| CH_MIDHUDSON___DRP 24192 | 37.89 1.28 0.00 | 30.09 0.96 0.00 | 29.43 0.84 0.49 | 29.45 0.87 0.30 | 29.14 0.89 1.05 | 34.84 0.99 0.00 | 40.19 1.22 0.00 | 35.74 1.26 0.00 | 35.25 1.28 0.00 | 44.61 1.51 0.00 | 46.87 1.64 0.00 | 44.42 1.68 0.00 | 52.11 1.88 0.00 | 47.02 1.90 0.00 | 42.39 1.99 0.00 | 45.05 2.13 0.00 | 50.34 2.11 0.00 | 58.21 2.34 0.00 | 52.50 2.12 0.00 | 44.13 1.74 0.00 | 55.46 2.12 0.00 | 51.77 2.05 0.00 | 35.70 1.57 0.00 | 30.67 1.45 0.00 |
| CH_MISC_IPPS 23765 | 38.17 1.56 0.00 | 30.30 1.16 0.00 | 29.60 1.02 0.51 | 29.63 1.06 0.31 | 29.31 1.09 1.08 | 35.08 1.23 0.00 | 40.50 1.53 0.00 | 36.02 1.54 0.00 | 35.55 1.57 0.00 | 44.97 1.88 0.00 | 47.28 2.05 0.00 | 44.80 2.06 0.00 | 52.56 2.32 0.00 | 47.43 2.31 0.00 | 42.77 2.37 0.00 | 45.44 2.51 0.00 | 50.67 2.44 0.00 | 58.59 2.72 0.00 | 52.85 2.47 0.00 | 44.42 2.03 0.00 | 55.84 2.50 0.00 | 52.09 2.37 0.00 | 35.89 1.77 0.00 | 30.82 1.60 0.00 |
| CH_RES_BVR_FALLS 23983 | 36.48 -0.13 0.00 | 29.02 -0.11 0.00 | 28.70 -0.10 0.29 | 28.63 -0.07 0.17 | 28.61 -0.08 0.61 | 33.76 -0.09 0.00 | 38.84 -0.12 0.00 | 34.29 -0.20 0.00 | 33.73 -0.25 0.00 | 42.76 -0.34 0.00 | 44.76 -0.47 0.00 | 42.27 -0.47 0.00 | 49.85 -0.38 0.00 | 44.77 -0.35 0.00 | 40.07 -0.33 0.00 | 42.48 -0.45 0.00 | 47.79 -0.44 0.00 | 55.43 -0.44 0.00 | 49.98 -0.41 0.00 | 41.92 -0.46 0.00 | 52.64 -0.70 0.00 | 49.00 -0.72 0.00 | 33.55 -0.57 0.00 | 28.70 -0.52 0.00 |
| CH_RES_NIAGARA 23895 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.33 -2.81 5.16 | 30.94 -2.91 0.00 | 35.37 -3.59 0.00 | 30.45 -4.04 0.00 | 30.55 -3.42 0.00 | 34.67 -4.48 3.94 | 33.35 -4.41 7.47 | 38.14 -4.49 0.11 | 42.06 -5.34 2.83 | 31.83 -4.44 8.86 | 24.98 -3.40 12.01 | 26.72 -3.65 12.55 | 30.65 -4.20 13.38 | 29.62 -5.64 20.61 | 29.70 -4.84 15.84 | 30.09 -3.99 8.30 | 34.35 -5.32 13.67 | 34.87 -5.08 9.76 | 28.27 -3.32 2.53 | 24.12 -2.76 2.33 |
| CH_RES_SYRACUSE 23985 | 35.59 -1.02 0.00 | 28.23 -0.90 0.00 | 22.89 -0.97 5.23 | 24.71 -0.96 3.20 | 17.16 -0.98 11.16 | 32.88 -0.97 0.00 | 37.92 -1.05 0.00 | 33.46 -1.02 0.00 | 33.09 -0.88 0.00 | 41.86 -1.23 0.00 | 43.97 -1.26 0.00 | 41.44 -1.30 0.00 | 48.72 -1.51 0.00 | 43.85 -1.27 0.00 | 39.43 -0.96 0.00 | 41.86 -1.07 0.00 | 46.89 -1.34 0.00 | 54.24 -1.63 0.00 | 48.97 -1.42 0.00 | 41.19 -1.19 0.00 | 51.89 -1.45 0.00 | 48.32 -1.40 0.00 | 33.10 -1.02 0.00 | 28.33 -0.89 0.00 |
| CLINTON_WT_PWR 323605 | 36.91 0.29 0.00 | 29.34 0.21 0.00 | 29.03 0.31 0.37 | 29.00 0.35 0.22 | 28.86 0.34 0.78 | 34.31 0.46 0.00 | 39.46 0.50 0.00 | 34.77 0.29 0.00 | 34.20 0.22 0.00 | 43.39 0.29 0.00 | 45.32 0.09 0.00 | 42.90 0.16 0.00 | 50.63 0.40 0.00 | 45.31 0.19 0.00 | 40.25 -0.14 0.00 | 42.82 -0.11 0.00 | 48.31 0.07 0.00 | 56.21 0.34 0.00 | 50.78 0.39 0.00 | 42.62 0.24 0.00 | 53.64 0.30 0.00 | 49.67 -0.05 0.00 | 33.94 -0.18 0.00 | 28.84 -0.38 0.00 |
| CLINTON___LFGE 323618 | 37.31 0.70 0.00 | 29.65 0.52 0.00 | 29.33 0.62 0.38 | 29.28 0.64 0.23 | 29.12 0.63 0.81 | 34.65 0.81 0.00 | 39.94 0.97 0.00 | 35.22 0.74 0.00 | 34.62 0.65 0.00 | 43.82 0.73 0.00 | 45.83 0.60 0.00 | 43.36 0.62 0.00 | 51.11 0.88 0.00 | 45.79 0.67 0.00 | 40.63 0.24 0.00 | 43.25 0.33 0.00 | 48.75 0.52 0.00 | 56.78 0.91 0.00 | 51.38 0.99 0.00 | 43.14 0.75 0.00 | 54.36 1.02 0.00 | 50.31 0.59 0.00 | 34.32 0.19 0.00 | 29.17 -0.05 0.00 |
| COBBLENY_34_KV_TB1 80064 | 34.57 -2.04 0.00 | 27.31 -1.82 0.00 | 24.59 -2.00 2.50 | 25.39 -1.95 1.53 | 22.02 -1.94 5.34 | 32.03 -1.82 0.00 | 36.69 -2.28 0.00 | 31.76 -2.72 0.00 | 31.87 -2.10 0.00 | 36.18 -2.75 4.16 | 34.73 -2.62 7.89 | 39.72 -2.90 0.12 | 43.59 -3.51 3.14 | 32.82 -2.95 9.36 | 25.56 -2.15 12.69 | 27.37 -2.30 13.26 | 31.45 -2.65 14.13 | 28.88 -3.77 23.22 | 30.01 -3.13 17.25 | 30.52 -2.57 9.29 | 35.79 -3.11 14.44 | 36.28 -3.13 10.31 | 29.11 -2.20 2.82 | 24.90 -1.86 2.47 |
| COFFEEN___115KV_TB3 355620 | 36.46 -0.15 0.00 | 28.92 -0.21 0.00 | 25.19 -0.37 3.53 | 26.41 -0.31 2.16 | 21.50 -0.28 7.52 | 33.79 -0.06 0.00 | 39.06 0.10 0.00 | 34.52 0.04 0.00 | 33.78 -0.20 0.00 | 42.35 -0.74 0.00 | 44.01 -1.22 0.00 | 41.05 -1.70 0.00 | 48.53 -1.70 0.00 | 43.54 -1.59 0.00 | 38.99 -1.40 0.00 | 42.14 -0.78 0.00 | 46.80 -1.43 0.00 | 54.26 -1.61 0.00 | 49.24 -1.15 0.00 | 41.85 -0.54 0.00 | 52.33 -1.01 0.00 | 48.34 -1.38 0.00 | 33.06 -1.06 0.00 | 27.78 -1.44 0.00 |
| COLDSPRG_115KV_BK1 355956 | 35.48 -1.13 0.00 | 27.94 -1.19 0.00 | 25.17 -1.37 2.55 | 25.99 -1.33 1.56 | 22.56 -1.32 5.43 | 32.80 -1.05 0.00 | 37.70 -1.27 0.00 | 32.71 -1.77 0.00 | 32.88 -1.10 0.00 | 39.22 -1.51 2.36 | 39.41 -1.33 4.48 | 40.91 -1.77 0.07 | 45.44 -2.47 2.33 | 37.60 -2.20 5.32 | 31.72 -1.46 7.21 | 33.84 -1.55 7.53 | 38.29 -1.91 8.03 | 34.39 -2.80 18.68 | 36.36 -2.28 11.75 | 33.21 -1.92 7.24 | 43.32 -1.82 8.21 | 41.81 -2.04 5.86 | 30.48 -1.52 2.12 | 26.64 -1.18 1.40 |
| COLONIE_LFGE___ 323577 | 37.25 0.65 0.00 | 29.68 0.55 0.00 | 29.35 0.61 0.34 | 29.25 0.59 0.21 | 29.17 0.60 0.73 | 34.48 0.63 0.00 | 39.75 0.78 0.00 | 35.31 0.82 0.00 | 34.55 0.57 0.00 | 43.88 0.78 0.00 | 46.05 0.82 0.00 | 43.48 0.74 0.00 | 51.07 0.84 0.00 | 46.01 0.89 0.00 | 41.23 0.84 0.00 | 43.82 0.90 0.00 | 48.80 0.57 0.00 | 56.77 0.90 0.00 | 51.25 0.87 0.00 | 43.19 0.80 0.00 | 54.39 1.05 0.00 | 50.74 1.02 0.00 | 34.81 0.69 0.00 | 29.96 0.74 0.00 |
| COOPERNY_115KV_TB1 80082 | 37.36 0.74 0.00 | 29.66 0.53 0.00 | 28.90 0.43 0.62 | 28.96 0.46 0.38 | 28.45 0.47 1.32 | 34.38 0.53 0.00 | 39.62 0.65 0.00 | 35.15 0.67 0.00 | 34.68 0.71 0.00 | 43.89 0.80 0.00 | 46.13 0.90 0.00 | 43.67 0.92 0.00 | 51.23 1.00 0.00 | 46.19 1.07 0.00 | 41.59 1.19 0.00 | 44.17 1.25 0.00 | 49.41 1.19 0.00 | 57.13 1.26 0.00 | 51.54 1.15 0.00 | 43.31 0.93 0.00 | 54.48 1.15 0.00 | 50.83 1.12 0.00 | 34.99 0.87 0.00 | 30.06 0.84 0.00 |
| COPENHAGEN_WT_PWR 323753 | 36.22 -0.40 0.00 | 28.74 -0.39 0.00 | 24.86 -0.56 3.66 | 26.14 -0.49 2.24 | 21.00 -0.49 7.81 | 33.51 -0.34 0.00 | 38.70 -0.27 0.00 | 34.21 -0.27 0.00 | 33.43 -0.54 0.00 | 41.91 -1.18 0.00 | 43.58 -1.65 0.00 | 40.70 -2.04 0.00 | 48.19 -2.05 0.00 | 43.32 -1.80 0.00 | 38.93 -1.47 0.00 | 41.73 -1.19 0.00 | 46.18 -2.05 0.00 | 53.51 -2.36 0.00 | 48.50 -1.88 0.00 | 41.27 -1.12 0.00 | 51.43 -1.92 0.00 | 47.49 -2.23 0.00 | 32.55 -1.57 0.00 | 27.31 -1.91 0.00 |
| CORNELL_____ 23752 | 36.43 -0.18 0.00 | 28.83 -0.30 0.00 | 25.08 -0.41 3.60 | 26.29 -0.39 2.20 | 21.25 -0.39 7.67 | 33.62 -0.23 0.00 | 38.75 -0.22 0.00 | 34.19 -0.29 0.00 | 33.91 -0.06 0.00 | 44.65 -0.28 -1.84 | 48.43 -0.28 -3.48 | 42.35 -0.45 -0.05 | 54.87 -0.62 -5.26 | 48.70 -0.55 -4.14 | 45.69 -0.30 -5.60 | 48.46 -0.31 -5.85 | 54.03 -0.44 -6.24 | 105.18 -0.61 -49.91 | 72.19 -0.40 -22.21 | 60.88 -0.36 -18.86 | 59.33 -0.38 -6.37 | 53.83 -0.44 -4.55 | 38.87 -0.41 -5.16 | 29.95 -0.35 -1.09 |

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| CORONA__69_KV_TB1 355595 | 93.83 2.02 -55.19 | 98.06 1.42 -67.51 | 88.99 1.34 -58.57 | 90.87 1.44 -60.56 | 86.53 1.51 -55.73 | 88.82 1.76 -53.21 | 83.45 2.10 -42.38 | 86.81 2.00 -50.33 | 93.00 1.96 -57.06 | 104.23 2.43 -58.71 | 127.90 2.66 -80.01 | 88.64 2.71 -43.19 | 506.95 2.99 -453.73 | 94.01 2.74 -46.15 | 233.14 2.92 -189.83 | 92.65 2.94 -46.79 | 51.10 2.86 0.00 | 58.96 3.09 0.00 | 53.29 2.90 0.00 | 44.74 2.35 0.00 | 56.14 2.80 0.00 | 65.64 2.81 -13.11 | 203.30 2.22 -166.96 | 62.49 2.04 -31.23 |
| CORTLAND__115KV_TB3 80093 | 36.28 -0.33 0.00 | 28.74 -0.39 0.00 | 24.70 -0.49 3.89 | 26.02 -0.48 2.38 | 20.52 -0.48 8.29 | 33.48 -0.37 0.00 | 38.56 -0.40 0.00 | 34.06 -0.42 0.00 | 33.77 -0.21 0.00 | 43.31 -0.45 -0.67 | 46.06 -0.44 -1.27 | 42.23 -0.53 -0.02 | 51.04 -0.74 -1.55 | 46.03 -0.59 -1.51 | 42.08 -0.35 -2.04 | 44.68 -0.38 -2.13 | 49.94 -0.57 -2.27 | 69.52 -0.78 -14.44 | 56.49 -0.59 -6.69 | 47.33 -0.51 -5.46 | 55.11 -0.55 -2.32 | 50.79 -0.59 -1.66 | 35.14 -0.49 -1.51 | 29.22 -0.39 -0.40 |
| COXSACKIE__GT 23611 | 37.83 1.22 0.00 | 30.14 1.01 0.00 | 29.70 1.01 0.39 | 29.63 1.00 0.24 | 29.51 1.05 0.84 | 35.07 1.22 0.00 | 40.53 1.57 0.00 | 36.08 1.60 0.00 | 35.31 1.34 0.00 | 44.63 1.53 0.00 | 46.90 1.67 0.00 | 44.22 1.47 0.00 | 52.00 1.77 0.00 | 46.86 1.74 0.00 | 42.09 1.69 0.00 | 44.67 1.74 0.00 | 49.95 1.72 0.00 | 58.07 2.20 0.00 | 52.48 2.10 0.00 | 44.21 1.83 0.00 | 55.69 2.35 0.00 | 51.84 2.12 0.00 | 35.57 1.45 0.00 | 30.49 1.27 0.00 |
| CPV_VALLEY__CC1 323721 | 37.51 0.91 0.00 | 29.79 0.66 0.00 | 29.06 0.54 0.57 | 29.11 0.58 0.35 | 28.68 0.59 1.21 | 34.49 0.64 0.00 | 39.75 0.79 0.00 | 35.31 0.83 0.00 | 34.83 0.85 0.00 | 44.06 0.97 0.00 | 46.32 1.09 0.00 | 43.89 1.14 0.00 | 51.47 1.24 0.00 | 46.43 1.32 0.00 | 41.84 1.45 0.00 | 44.46 1.53 0.00 | 49.66 1.44 0.00 | 57.42 1.55 0.00 | 51.79 1.41 0.00 | 43.51 1.13 0.00 | 54.72 1.38 0.00 | 51.07 1.35 0.00 | 35.19 1.06 0.00 | 30.24 1.02 0.00 |
| CPV_VALLEY__CC2 323722 | 37.51 0.91 0.00 | 29.79 0.66 0.00 | 29.06 0.54 0.57 | 29.11 0.58 0.35 | 28.68 0.59 1.21 | 34.49 0.64 0.00 | 39.75 0.79 0.00 | 35.31 0.83 0.00 | 34.83 0.85 0.00 | 44.06 0.97 0.00 | 46.32 1.09 0.00 | 43.89 1.14 0.00 | 51.47 1.24 0.00 | 46.43 1.32 0.00 | 41.84 1.45 0.00 | 44.46 1.53 0.00 | 49.66 1.44 0.00 | 57.42 1.55 0.00 | 51.79 1.41 0.00 | 43.51 1.13 0.00 | 54.72 1.38 0.00 | 51.07 1.35 0.00 | 35.19 1.06 0.00 | 30.24 1.02 0.00 |
| CRESCENT__HYD 24018 | 37.25 0.65 0.00 | 29.68 0.55 0.00 | 29.35 0.61 0.34 | 29.25 0.59 0.21 | 29.17 0.60 0.73 | 34.48 0.63 0.00 | 39.75 0.78 0.00 | 35.31 0.82 0.00 | 34.55 0.57 0.00 | 43.88 0.78 0.00 | 46.05 0.82 0.00 | 43.48 0.74 0.00 | 51.07 0.84 0.00 | 46.01 0.89 0.00 | 41.23 0.84 0.00 | 43.82 0.90 0.00 | 48.80 0.57 0.00 | 56.77 0.90 0.00 | 51.25 0.87 0.00 | 43.19 0.80 0.00 | 54.39 1.05 0.00 | 50.74 1.02 0.00 | 34.81 0.69 0.00 | 29.96 0.74 0.00 |
| CRICKET__VALLEY_CC1 323756 | 37.64 1.03 0.00 | 29.90 0.76 0.00 | 29.26 0.65 0.48 | 29.27 0.68 0.29 | 28.98 0.70 1.02 | 34.60 0.75 0.00 | 39.90 0.94 0.00 | 35.48 1.00 0.00 | 34.99 1.01 0.00 | 44.26 1.17 0.00 | 46.53 1.30 0.00 | 44.10 1.35 0.00 | 51.71 1.48 0.00 | 46.66 1.55 0.00 | 42.07 1.68 0.00 | 44.70 1.78 0.00 | 49.86 1.63 0.00 | 57.64 1.77 0.00 | 52.00 1.61 0.00 | 43.70 1.32 0.00 | 54.91 1.57 0.00 | 51.31 1.59 0.00 | 35.42 1.29 0.00 | 30.45 1.23 0.00 |
| CRICKET__VALLEY_CC2 323757 | 37.64 1.03 0.00 | 29.90 0.76 0.00 | 29.26 0.65 0.48 | 29.27 0.68 0.29 | 28.98 0.70 1.02 | 34.60 0.75 0.00 | 39.90 0.94 0.00 | 35.48 1.00 0.00 | 34.99 1.01 0.00 | 44.26 1.17 0.00 | 46.53 1.30 0.00 | 44.10 1.35 0.00 | 51.71 1.48 0.00 | 46.66 1.55 0.00 | 42.07 1.68 0.00 | 44.70 1.78 0.00 | 49.86 1.63 0.00 | 57.64 1.77 0.00 | 52.00 1.61 0.00 | 43.70 1.32 0.00 | 54.91 1.57 0.00 | 51.31 1.59 0.00 | 35.42 1.29 0.00 | 30.45 1.23 0.00 |
| CRICKET__VALLEY_CC3 323758 | 37.64 1.03 0.00 | 29.90 0.76 0.00 | 29.26 0.65 0.48 | 29.27 0.68 0.29 | 28.98 0.70 1.02 | 34.60 0.75 0.00 | 39.90 0.94 0.00 | 35.48 1.00 0.00 | 34.99 1.01 0.00 | 44.26 1.17 0.00 | 46.53 1.30 0.00 | 44.10 1.35 0.00 | 51.71 1.48 0.00 | 46.66 1.55 0.00 | 42.07 1.68 0.00 | 44.70 1.78 0.00 | 49.86 1.63 0.00 | 57.64 1.77 0.00 | 52.00 1.61 0.00 | 43.70 1.32 0.00 | 54.91 1.57 0.00 | 51.31 1.59 0.00 | 35.42 1.29 0.00 | 30.45 1.23 0.00 |
| CRUCIBLE__METL_DRP 24180 | 35.59 -1.02 0.00 | 28.24 -0.90 0.00 | 22.89 -0.97 5.23 | 24.71 -0.97 3.20 | 17.16 -0.98 11.16 | 32.88 -0.97 0.00 | 37.92 -1.05 0.00 | 33.47 -1.02 0.00 | 33.09 -0.88 0.00 | 41.86 -1.24 0.00 | 43.96 -1.27 0.00 | 41.44 -1.30 0.00 | 48.72 -1.52 0.00 | 43.85 -1.27 0.00 | 39.43 -0.96 0.00 | 41.85 -1.07 0.00 | 46.89 -1.34 0.00 | 54.23 -1.64 0.00 | 48.96 -1.42 0.00 | 41.19 -1.19 0.00 | 51.89 -1.45 0.00 | 48.32 -1.40 0.00 | 33.10 -1.02 0.00 | 28.33 -0.89 0.00 |
| DAHOWA__HYDRO 323763 | 37.79 1.18 0.00 | 30.14 1.01 0.00 | 29.77 1.03 0.34 | 29.64 0.98 0.21 | 29.58 1.01 0.73 | 34.99 1.14 0.00 | 40.46 1.50 0.00 | 35.98 1.50 0.00 | 35.21 1.23 0.00 | 44.64 1.55 0.00 | 46.92 1.69 0.00 | 44.29 1.54 0.00 | 51.85 1.62 0.00 | 46.67 1.56 0.00 | 41.83 1.44 0.00 | 44.53 1.61 0.00 | 49.75 1.52 0.00 | 57.97 2.10 0.00 | 52.39 2.01 0.00 | 44.20 1.82 0.00 | 55.79 2.45 0.00 | 51.96 2.24 0.00 | 35.55 1.43 0.00 | 30.55 1.33 0.00 |
| DANC__LFGE 323619 | 35.73 -0.88 0.00 | 28.35 -0.78 0.00 | 23.77 -0.91 4.41 | 25.31 -0.87 2.70 | 19.02 -0.86 9.41 | 33.06 -0.79 0.00 | 38.15 -0.81 0.00 | 33.72 -0.76 0.00 | 33.09 -0.89 0.00 | 41.60 -1.49 0.00 | 43.43 -1.80 0.00 | 40.71 -2.04 0.00 | 48.04 -2.19 0.00 | 43.22 -1.90 0.00 | 38.84 -1.55 0.00 | 41.51 -1.41 0.00 | 46.16 -2.07 0.00 | 53.45 -2.42 0.00 | 48.40 -1.99 0.00 | 41.01 -1.37 0.00 | 51.32 -2.02 0.00 | 47.53 -2.19 0.00 | 32.57 -1.55 0.00 | 27.54 -1.68 0.00 |
| DANSKAMMER__1 23586 | 38.17 1.56 0.00 | 30.30 1.16 0.00 | 29.60 1.02 0.51 | 29.63 1.06 0.31 | 29.31 1.09 1.08 | 35.08 1.23 0.00 | 40.50 1.53 0.00 | 36.02 1.54 0.00 | 35.55 1.57 0.00 | 44.97 1.88 0.00 | 47.28 2.05 0.00 | 44.80 2.06 0.00 | 52.56 2.32 0.00 | 47.43 2.31 0.00 | 42.77 2.37 0.00 | 45.44 2.51 0.00 | 50.67 2.44 0.00 | 58.59 2.72 0.00 | 52.85 2.47 0.00 | 44.42 2.03 0.00 | 55.84 2.50 0.00 | 52.09 2.37 0.00 | 35.89 1.77 0.00 | 30.82 1.60 0.00 |
| DANSKAMMER__2 23589 | 38.17 1.56 0.00 | 30.30 1.16 0.00 | 29.60 1.02 0.51 | 29.63 1.06 0.31 | 29.31 1.09 1.08 | 35.08 1.23 0.00 | 40.50 1.53 0.00 | 36.02 1.54 0.00 | 35.55 1.57 0.00 | 44.97 1.88 0.00 | 47.28 2.05 0.00 | 44.80 2.06 0.00 | 52.56 2.32 0.00 | 47.43 2.31 0.00 | 42.77 2.37 0.00 | 45.44 2.51 0.00 | 50.67 2.44 0.00 | 58.59 2.72 0.00 | 52.85 2.47 0.00 | 44.42 2.03 0.00 | 55.84 2.50 0.00 | 52.09 2.37 0.00 | 35.89 1.77 0.00 | 30.82 1.60 0.00 |
| DANSKAMMER__3 23590 | 38.17 1.56 0.00 | 30.30 1.16 0.00 | 29.60 1.02 0.51 | 29.63 1.06 0.31 | 29.31 1.09 1.08 | 35.08 1.23 0.00 | 40.50 1.53 0.00 | 36.02 1.54 0.00 | 35.55 1.57 0.00 | 44.97 1.88 0.00 | 47.28 2.05 0.00 | 44.80 2.06 0.00 | 52.56 2.32 0.00 | 47.43 2.31 0.00 | 42.77 2.37 0.00 | 45.44 2.51 0.00 | 50.67 2.44 0.00 | 58.59 2.72 0.00 | 52.85 2.47 0.00 | 44.42 2.03 0.00 | 55.84 2.50 0.00 | 52.09 2.37 0.00 | 35.89 1.77 0.00 | 30.82 1.60 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|------------------------|
| DANSKAMMER___4 23591 | 38.17 1.56 0.00 | 30.30 1.16 0.00 | 29.60 1.02 0.51 | 29.63 1.06 0.31 | 29.31 1.09 1.08 | 35.08 1.23 0.00 | 40.50 1.53 0.00 | 36.02 1.54 0.00 | 35.55 1.57 0.00 | 44.97 1.88 0.00 | 47.28 2.05 0.00 | 44.80 2.06 0.00 | 52.56 2.32 0.00 | 47.43 2.31 0.00 | 42.77 2.37 0.00 | 45.44 2.51 0.00 | 50.67 2.44 0.00 | 58.59 2.72 0.00 | 52.85 2.47 0.00 | 44.42 2.03 0.00 | 55.84 2.50 0.00 | 52.09 2.37 0.00 | 35.89 1.77 0.00 | 30.82 1.60 0.00 |
| DANSKAMMER___DIESEL 23592 | 38.17 1.56 0.00 | 30.30 1.17 0.00 | 29.60 1.02 0.51 | 29.63 1.06 0.31 | 29.31 1.09 1.08 | 35.08 1.23 0.00 | 40.50 1.53 0.00 | 36.01 1.53 0.00 | 35.55 1.57 0.00 | 44.97 1.88 0.00 | 47.27 2.04 0.00 | 44.80 2.06 0.00 | 52.57 2.33 0.00 | 47.43 2.31 0.00 | 42.76 2.37 0.00 | 45.45 2.52 0.00 | 50.68 2.45 0.00 | 58.59 2.72 0.00 | 52.86 2.47 0.00 | 44.41 2.03 0.00 | 55.84 2.50 0.00 | 52.09 2.37 0.00 | 35.90 1.77 0.00 | 30.82 1.61 0.00 |
| DARBY___SOLAR 323810 | 37.71 1.10 0.00 | 30.06 0.93 0.00 | 29.69 0.95 0.34 | 29.57 0.91 0.21 | 29.51 0.94 0.73 | 34.91 1.06 0.00 | 40.34 1.37 0.00 | 35.84 1.36 0.00 | 35.08 1.10 0.00 | 44.47 1.38 0.00 | 46.72 1.49 0.00 | 44.11 1.36 0.00 | 51.66 1.43 0.00 | 46.50 1.39 0.00 | 41.70 1.31 0.00 | 44.38 1.46 0.00 | 49.58 1.36 0.00 | 57.73 1.86 0.00 | 52.15 1.77 0.00 | 44.00 1.61 0.00 | 55.52 2.18 0.00 | 51.72 2.00 0.00 | 35.41 1.29 0.00 | 30.43 1.21 0.00 |
| DASHVILLE___HYD 23610 | 38.12 1.51 0.00 | 30.25 1.12 0.00 | 29.57 0.97 0.49 | 29.59 1.01 0.30 | 29.28 1.03 1.05 | 35.01 1.16 0.00 | 40.41 1.45 0.00 | 35.96 1.48 0.00 | 35.49 1.51 0.00 | 44.92 1.83 0.00 | 47.23 2.00 0.00 | 44.76 2.02 0.00 | 52.51 2.28 0.00 | 47.37 2.26 0.00 | 42.74 2.35 0.00 | 45.42 2.50 0.00 | 50.63 2.40 0.00 | 58.53 2.66 0.00 | 52.79 2.41 0.00 | 44.37 1.99 0.00 | 55.74 2.40 0.00 | 52.00 2.28 0.00 | 35.86 1.74 0.00 | 30.80 1.58 0.00 |
| DELAWARE___LFGE 323621 | 37.09 0.48 0.00 | 29.43 0.29 0.00 | 27.73 0.21 1.57 | 28.14 0.22 0.96 | 26.19 0.23 3.35 | 34.17 0.32 0.00 | 39.34 0.37 0.00 | 34.84 0.36 0.00 | 34.43 0.45 0.00 | 43.59 0.50 0.00 | 45.78 0.55 0.00 | 43.23 0.48 0.00 | 50.70 0.47 0.00 | 45.67 0.54 0.00 | 41.07 0.67 0.00 | 43.60 0.68 0.00 | 48.82 0.59 0.00 | 56.45 0.58 0.00 | 50.90 0.51 0.00 | 42.80 0.41 0.00 | 53.90 0.56 0.00 | 50.24 0.52 0.00 | 34.56 0.44 0.00 | 29.62 0.40 0.00 |
| DERFIELD_115KV_TB7 355931 | 36.52 -0.08 0.00 | 29.05 -0.08 0.00 | 28.49 -0.10 0.49 | 28.48 -0.09 0.30 | 28.16 -0.09 1.05 | 33.72 -0.13 0.00 | 38.82 -0.14 0.00 | 34.38 -0.10 0.00 | 33.87 -0.10 0.00 | 42.92 -0.18 0.00 | 45.04 -0.19 0.00 | 42.56 -0.18 0.00 | 49.98 -0.25 0.00 | 44.98 -0.14 0.00 | 40.32 -0.07 0.00 | 42.84 -0.09 0.00 | 48.01 -0.22 0.00 | 55.61 -0.26 0.00 | 50.17 -0.21 0.00 | 42.19 -0.20 0.00 | 53.08 -0.27 0.00 | 49.48 -0.24 0.00 | 33.99 -0.14 0.00 | 29.14 -0.08 0.00 |
| DOGLEVILLE___HYD 23807 | 36.42 -0.19 0.00 | 28.96 -0.17 0.00 | 28.33 -0.26 0.49 | 28.29 -0.28 0.30 | 27.99 -0.26 1.05 | 33.49 -0.36 0.00 | 38.54 -0.42 0.00 | 34.41 -0.07 0.00 | 33.82 -0.16 0.00 | 42.48 -0.61 0.00 | 44.28 -0.95 0.00 | 41.65 -1.09 0.00 | 49.12 -1.11 0.00 | 44.39 -0.72 0.00 | 39.92 -0.48 0.00 | 42.62 -0.31 0.00 | 47.57 -0.66 0.00 | 55.16 -0.71 0.00 | 49.94 -0.45 0.00 | 42.20 -0.18 0.00 | 52.79 -0.55 0.00 | 49.27 -0.45 0.00 | 33.80 -0.32 0.00 | 29.10 -0.12 0.00 |
| DUNKIRK__115KV_TB_200 55889 | 34.50 -2.12 0.00 | 27.17 -1.97 0.00 | 24.42 -2.16 2.50 | 25.21 -2.14 1.53 | 21.82 -2.15 5.33 | 31.87 -1.98 0.00 | 36.56 -2.41 0.00 | 31.65 -2.83 0.00 | 31.77 -2.20 0.00 | 35.48 -3.00 4.61 | 33.62 -2.88 8.73 | 39.46 -3.15 0.13 | 42.91 -3.97 3.36 | 31.36 -3.40 10.36 | 23.73 -2.61 14.06 | 25.50 -2.74 14.69 | 29.33 -3.25 15.65 | 26.94 -4.36 24.57 | 28.00 -3.68 18.70 | 29.44 -3.07 9.88 | 34.04 -3.31 16.00 | 34.85 -3.45 11.42 | 28.60 -2.51 3.01 | 24.44 -2.05 2.73 |
| DUNKIRK___1 23563 | 34.50 -2.12 0.00 | 27.17 -1.97 0.00 | 24.42 -2.16 2.50 | 25.21 -2.14 1.53 | 21.82 -2.15 5.33 | 31.87 -1.98 0.00 | 36.56 -2.41 0.00 | 31.65 -2.83 0.00 | 31.77 -2.20 0.00 | 35.48 -3.00 4.61 | 33.62 -2.88 8.73 | 39.46 -3.15 0.13 | 42.91 -3.97 3.36 | 31.36 -3.40 10.36 | 23.73 -2.61 14.06 | 25.50 -2.74 14.69 | 29.33 -3.25 15.65 | 26.94 -4.36 24.57 | 28.00 -3.68 18.70 | 29.44 -3.07 9.88 | 34.04 -3.31 16.00 | 34.85 -3.45 11.42 | 28.60 -2.51 3.01 | 24.44 -2.05 2.73 |
| DUNKIRK___2 23564 | 34.50 -2.12 0.00 | 27.17 -1.97 0.00 | 24.42 -2.16 2.50 | 25.21 -2.14 1.53 | 21.82 -2.15 5.33 | 31.87 -1.98 0.00 | 36.56 -2.41 0.00 | 31.65 -2.83 0.00 | 31.77 -2.20 0.00 | 35.48 -3.00 4.61 | 33.62 -2.88 8.73 | 39.46 -3.15 0.13 | 42.91 -3.97 3.36 | 31.36 -3.40 10.36 | 23.73 -2.61 14.06 | 25.50 -2.74 14.69 | 29.33 -3.25 15.65 | 26.94 -4.36 24.57 | 28.00 -3.68 18.70 | 29.44 -3.07 9.88 | 34.04 -3.31 16.00 | 34.85 -3.45 11.42 | 28.60 -2.51 3.01 | 24.44 -2.05 2.73 |
| DUNKIRK___3 23565 | 34.47 -2.14 0.00 | 27.17 -1.96 0.00 | 24.43 -2.16 2.50 | 25.23 -2.11 1.53 | 21.86 -2.12 5.32 | 31.87 -1.98 0.00 | 36.52 -2.45 0.00 | 31.61 -2.87 0.00 | 31.73 -2.24 0.00 | 35.10 -3.01 4.98 | 32.91 -2.88 9.43 | 39.43 -3.17 0.14 | 42.76 -3.94 3.54 | 30.57 -3.35 11.19 | 22.65 -2.56 15.18 | 24.35 -2.71 15.86 | 28.13 -3.19 16.91 | 25.95 -4.33 25.60 | 26.89 -3.63 19.86 | 29.03 -3.02 10.33 | 32.67 -3.40 17.28 | 33.91 -3.47 12.34 | 28.48 -2.48 3.16 | 24.25 -2.03 2.95 |
| DUNKIRK___4 23566 | 34.47 -2.14 0.00 | 27.17 -1.96 0.00 | 24.43 -2.16 2.50 | 25.23 -2.11 1.53 | 21.86 -2.12 5.32 | 31.87 -1.98 0.00 | 36.52 -2.45 0.00 | 31.61 -2.87 0.00 | 31.73 -2.24 0.00 | 35.10 -3.01 4.98 | 32.91 -2.88 9.43 | 39.43 -3.17 0.14 | 42.76 -3.94 3.54 | 30.57 -3.35 11.19 | 22.65 -2.56 15.18 | 24.35 -2.71 15.86 | 28.13 -3.19 16.91 | 25.95 -4.33 25.60 | 26.89 -3.63 19.86 | 29.03 -3.02 10.33 | 32.67 -3.40 17.28 | 33.91 -3.47 12.34 | 28.48 -2.48 3.16 | 24.25 -2.03 2.95 |
| DUNWOODS_138_KV_38W08_REV_LBMP_I 345000 | 38.02 1.42 0.00 | 30.18 1.05 0.00 | 29.49 0.90 0.50 | 29.51 0.95 0.31 | 29.19 0.97 1.07 | 34.92 1.07 0.00 | 40.28 1.32 0.00 | 35.85 1.37 0.00 | 35.40 1.42 0.00 | 44.78 1.69 0.00 | 47.06 1.83 0.00 | 44.64 1.90 0.00 | 52.34 2.11 0.00 | 47.24 2.12 0.00 | 42.63 2.24 0.00 | 45.30 2.38 0.00 | 50.51 2.28 0.00 | 58.36 2.49 0.00 | 52.63 2.24 0.00 | 44.21 1.83 0.00 | 55.53 2.19 0.00 | 51.88 2.17 0.00 | 35.78 1.66 0.00 | 30.77 1.55 0.00 |
| E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009 | 37.98 1.37 0.00 | 30.14 1.00 0.00 | 29.43 0.86 0.52 | 29.47 0.91 0.32 | 29.11 0.92 1.11 | 34.89 1.04 0.00 | 40.26 1.29 0.00 | 35.78 1.30 0.00 | 35.31 1.34 0.00 | 44.67 1.58 0.00 | 46.97 1.74 0.00 | 44.50 1.76 0.00 | 52.20 1.97 0.00 | 47.10 1.99 0.00 | 42.48 2.09 0.00 | 45.14 2.22 0.00 | 50.37 2.14 0.00 | 58.22 2.35 0.00 | 52.53 2.15 0.00 | 44.14 1.76 0.00 | 55.49 2.15 0.00 | 51.77 2.05 0.00 | 35.68 1.55 0.00 | 30.65 1.44 0.00 |
| E179THST_138_KV_TB4_REV_LBMP_J 345001 | 38.17 1.56 0.00 | 30.35 1.22 0.00 | 29.61 1.03 0.50 | 29.67 1.10 0.31 | 29.32 1.10 1.07 | 35.06 1.21 0.00 | 40.49 1.53 0.00 | 36.08 1.60 0.00 | 35.56 1.59 0.00 | 44.71 1.62 0.00 | 47.09 1.86 0.00 | 44.76 2.02 0.00 | 52.54 2.31 0.00 | 47.37 2.25 0.00 | 42.83 2.43 0.00 | 45.45 2.52 0.00 | 50.62 2.39 0.00 | 58.44 2.57 0.00 | 52.68 2.29 0.00 | 44.24 1.86 0.00 | 55.53 2.19 0.00 | 51.97 2.26 0.00 | 35.91 1.78 0.00 | 30.87 1.65 0.00 |

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| E179THST_13_KV_LOAD 356214 | 38.31 1.70 0.00 | 30.46 1.33 0.00 | 29.71 1.13 0.50 | 29.76 1.20 0.31 | 29.42 1.19 1.07 | 35.19 1.34 0.00 | 40.65 1.68 0.00 | 36.22 1.74 0.00 | 35.70 1.73 0.00 | 44.90 1.80 0.00 | 47.29 2.07 0.00 | 44.96 2.21 0.00 | 52.78 2.54 0.00 | 47.57 2.45 0.00 | 43.00 2.61 0.00 | 45.64 2.72 0.00 | 50.84 2.61 0.00 | 58.70 2.83 0.00 | 52.91 2.53 0.00 | 44.43 2.05 0.00 | 55.76 2.42 0.00 | 52.20 2.48 0.00 | 36.06 1.94 0.00 | 30.99 1.77 0.00 |
| EAST HAMPTON___GT 23717 | 35.59 2.11 3.13 | 26.88 1.57 3.82 | 27.10 1.86 3.85 | 27.29 2.17 3.76 | 27.32 2.31 4.29 | 32.45 2.61 4.01 | 38.70 3.27 3.54 | 35.69 2.64 1.43 | 39.29 2.27 -3.05 | 47.84 3.39 -1.36 | 48.10 3.92 1.05 | 46.52 3.78 0.01 | 48.77 3.94 5.40 | 51.23 4.09 -2.03 | 49.60 4.65 -4.56 | 50.22 4.42 -2.88 | 51.76 3.54 0.00 | 60.28 4.41 0.00 | 54.68 4.30 0.00 | 45.22 2.83 0.00 | 56.20 2.85 0.00 | 51.32 2.99 1.39 | 31.59 1.99 4.52 | 29.73 1.69 1.18 |
| EAST RIVER___6 23660 | 38.14 1.53 0.00 | 30.27 1.14 0.00 | 29.56 0.98 0.50 | 29.59 1.02 0.31 | 29.27 1.04 1.07 | 35.00 1.14 0.00 | 40.38 1.42 0.00 | 35.96 1.48 0.00 | 35.51 1.54 0.00 | 44.88 1.79 0.00 | 47.17 1.94 0.00 | 44.77 2.03 0.00 | 52.48 2.25 0.00 | 47.38 2.27 0.00 | 42.78 2.39 0.00 | 45.44 2.51 0.00 | 50.65 2.42 0.00 | 58.49 2.62 0.00 | 52.74 2.35 0.00 | 44.27 1.89 0.00 | 55.59 2.25 0.00 | 52.01 2.30 0.00 | 35.87 1.75 0.00 | 30.85 1.63 0.00 |
| EAST RIVER___7 23524 | 38.14 1.53 0.00 | 30.27 1.14 0.00 | 29.56 0.98 0.50 | 29.59 1.02 0.31 | 29.27 1.04 1.07 | 35.00 1.14 0.00 | 40.38 1.42 0.00 | 35.96 1.48 0.00 | 35.51 1.54 0.00 | 44.88 1.79 0.00 | 47.17 1.94 0.00 | 44.77 2.03 0.00 | 52.48 2.25 0.00 | 47.38 2.27 0.00 | 42.78 2.39 0.00 | 45.44 2.51 0.00 | 50.65 2.42 0.00 | 58.49 2.62 0.00 | 52.74 2.35 0.00 | 44.27 1.89 0.00 | 55.59 2.25 0.00 | 52.01 2.30 0.00 | 35.87 1.75 0.00 | 30.85 1.63 0.00 |
| EASTVIEW_138_KV_38W32_REV_LBMP_I 345002 | 37.99 1.39 0.00 | 30.15 1.02 0.00 | 29.46 0.88 0.50 | 29.49 0.92 0.31 | 29.17 0.94 1.07 | 34.89 1.04 0.00 | 40.25 1.29 0.00 | 35.80 1.31 0.00 | 35.34 1.37 0.00 | 44.69 1.60 0.00 | 46.98 1.75 0.00 | 44.55 1.81 0.00 | 52.24 2.01 0.00 | 47.15 2.03 0.00 | 42.54 2.15 0.00 | 45.21 2.28 0.00 | 50.43 2.20 0.00 | 58.25 2.39 0.00 | 52.54 2.16 0.00 | 44.14 1.75 0.00 | 55.45 2.10 0.00 | 51.82 2.10 0.00 | 35.73 1.60 0.00 | 30.73 1.51 0.00 |
| EAST_HAMPTON___DIESEL 23722 | 35.52 2.03 3.13 | 26.83 1.53 3.82 | 27.07 1.84 3.85 | 27.27 2.15 3.76 | 27.31 2.30 4.29 | 32.41 2.57 4.01 | 38.67 3.24 3.54 | 35.65 2.60 1.43 | 39.22 2.20 -3.05 | 47.76 3.31 -1.36 | 48.04 3.86 1.05 | 46.47 3.73 0.01 | 48.69 3.85 5.40 | 51.18 4.03 -2.03 | 49.58 4.63 -4.56 | 50.17 4.37 -2.88 | 51.66 3.43 0.00 | 60.19 4.32 0.00 | 54.60 4.21 0.00 | 45.11 2.73 0.00 | 56.04 2.70 0.00 | 51.20 2.87 1.39 | 31.48 1.88 4.52 | 29.64 1.60 1.18 |
| EAST_POINT___SOLAR 323840 | 38.47 1.86 0.00 | 30.49 1.36 0.00 | 29.87 1.28 0.50 | 29.85 1.28 0.31 | 29.58 1.35 1.07 | 35.51 1.66 0.00 | 40.99 2.02 0.00 | 36.15 1.67 0.00 | 35.46 1.48 0.00 | 44.50 1.41 0.00 | 46.33 1.10 0.00 | 43.62 0.88 0.00 | 51.49 1.26 0.00 | 46.59 1.47 0.00 | 41.56 1.16 0.00 | 44.42 1.50 0.00 | 50.11 1.88 0.00 | 58.12 2.26 0.00 | 52.67 2.28 0.00 | 44.38 1.99 0.00 | 56.37 3.03 0.00 | 52.47 2.75 0.00 | 35.85 1.72 0.00 | 30.48 1.26 0.00 |
| EAST_PULASKI___ESR 323781 | 35.31 -1.30 0.00 | 28.03 -1.10 0.00 | 22.58 -1.20 5.31 | 24.45 -1.18 3.25 | 16.80 -1.17 11.33 | 32.67 -1.18 0.00 | 37.68 -1.28 0.00 | 33.29 -1.19 0.00 | 32.81 -1.16 0.00 | 41.39 -1.70 0.00 | 43.35 -1.88 0.00 | 40.78 -1.96 0.00 | 47.99 -2.24 0.00 | 43.17 -1.95 0.00 | 38.83 -1.56 0.00 | 41.37 -1.55 0.00 | 46.24 -1.99 0.00 | 53.50 -2.37 0.00 | 48.37 -2.02 0.00 | 40.82 -1.56 0.00 | 51.28 -2.06 0.00 | 47.66 -2.06 0.00 | 32.64 -1.48 0.00 | 27.81 -1.41 0.00 |
| EAST_RIVER___1 323558 | 38.14 1.53 0.00 | 30.27 1.13 0.00 | 29.56 0.98 0.50 | 29.59 1.02 0.31 | 29.26 1.03 1.07 | 35.00 1.15 0.00 | 40.39 1.42 0.00 | 35.96 1.48 0.00 | 35.52 1.54 0.00 | 44.88 1.79 0.00 | 47.18 1.95 0.00 | 44.77 2.03 0.00 | 52.48 2.25 0.00 | 47.39 2.27 0.00 | 42.78 2.39 0.00 | 45.44 2.51 0.00 | 50.66 2.43 0.00 | 58.50 2.63 0.00 | 52.74 2.36 0.00 | 44.28 1.90 0.00 | 55.60 2.26 0.00 | 52.02 2.30 0.00 | 35.88 1.76 0.00 | 30.86 1.64 0.00 |
| EAST_RIVER___2 323559 | 38.14 1.53 0.00 | 30.27 1.14 0.00 | 29.56 0.98 0.50 | 29.59 1.02 0.31 | 29.27 1.04 1.07 | 35.00 1.14 0.00 | 40.38 1.42 0.00 | 35.96 1.48 0.00 | 35.51 1.54 0.00 | 44.88 1.79 0.00 | 47.17 1.94 0.00 | 44.77 2.03 0.00 | 52.48 2.25 0.00 | 47.38 2.27 0.00 | 42.78 2.39 0.00 | 45.44 2.51 0.00 | 50.65 2.42 0.00 | 58.49 2.62 0.00 | 52.74 2.35 0.00 | 44.27 1.89 0.00 | 55.59 2.25 0.00 | 52.01 2.30 0.00 | 35.87 1.75 0.00 | 30.85 1.63 0.00 |
| EAST___DELAWARE_HYD 23607 | 38.35 1.74 0.00 | 30.56 1.42 0.00 | 29.85 1.31 0.55 | 29.91 1.37 0.33 | 29.53 1.40 1.17 | 35.49 1.64 0.00 | 40.98 2.01 0.00 | 36.41 1.93 0.00 | 35.96 1.99 0.00 | 45.56 2.46 0.00 | 47.93 2.70 0.00 | 45.40 2.65 0.00 | 53.26 3.03 0.00 | 48.03 2.91 0.00 | 43.26 2.86 0.00 | 45.96 3.04 0.00 | 51.37 3.14 0.00 | 59.43 3.56 0.00 | 53.64 3.26 0.00 | 45.05 2.67 0.00 | 56.65 3.31 0.00 | 52.73 3.01 0.00 | 36.33 2.22 0.00 | 31.14 1.92 0.00 |
| EIGHT_POINT___WT_PWR 323820 | 34.51 -2.10 0.00 | 27.12 -2.01 0.00 | 24.24 -2.05 2.80 | 25.12 -2.04 1.71 | 21.11 -2.23 5.96 | 31.69 -2.16 0.00 | 36.36 -2.61 0.00 | 31.56 -2.93 0.00 | 31.29 -2.69 -0.01 | 55.88 -3.74 -16.53 | 72.45 -4.10 -31.32 | 38.94 -4.27 -0.47 | 51.44 -5.13 -6.34 | 77.78 -4.49 -37.16 | 87.06 -3.75 -50.41 | 91.65 -3.95 -52.67 | 100.00 -4.36 -56.14 | 80.88 -5.47 -30.48 | 92.31 -4.61 -46.54 | 53.19 -3.86 -14.67 | 106.45 -4.26 -57.38 | 86.18 -4.51 -40.97 | 36.19 -3.22 -5.29 | 36.26 -2.75 -9.79 |
| ELBRIDGE_115KV_TB2 80188 | 35.28 -1.33 0.00 | 28.00 -1.13 0.00 | 22.66 -1.20 5.22 | 24.50 -1.19 3.20 | 16.97 -1.19 11.14 | 32.63 -1.22 0.00 | 37.61 -1.36 0.00 | 33.18 -1.31 0.00 | 32.80 -1.18 0.00 | 41.50 -1.59 0.00 | 43.55 -1.68 0.00 | 41.07 -1.68 0.00 | 48.30 -1.93 0.00 | 43.47 -1.65 0.00 | 39.09 -1.30 0.00 | 41.50 -1.43 0.00 | 46.47 -1.76 0.00 | 53.76 -2.11 0.00 | 48.52 -1.87 0.00 | 40.82 -1.56 0.00 | 51.40 -1.94 0.00 | 47.91 -1.81 0.00 | 32.83 -1.30 0.00 | 28.10 -1.12 0.00 |
| ELEC_TRO_TEK 24086 | 41.60 1.89 -3.10 | 34.25 1.32 -3.79 | 33.14 1.23 -2.82 | 33.31 1.32 -3.11 | 32.80 1.38 -2.12 | 50.78 1.60 -15.33 | 57.05 1.92 -16.17 | 58.22 1.86 -21.87 | 65.21 1.82 -29.42 | 74.02 2.23 -28.70 | 84.07 2.44 -36.40 | 65.29 2.50 -20.05 | 260.40 2.77 -207.40 | 70.79 2.51 -23.16 | 138.54 2.75 -95.40 | 69.98 2.78 -24.28 | 50.87 2.64 0.00 | 58.65 2.78 0.00 | 53.04 2.66 0.00 | 44.50 2.12 0.00 | 55.83 2.49 0.00 | 58.16 2.55 -5.89 | 116.52 2.07 -80.32 | 44.40 1.90 -13.27 |
| ELLENBURG_WT_PWR 323604 | 36.91 0.29 0.00 | 29.34 0.21 0.00 | 29.03 0.31 0.37 | 29.00 0.35 0.22 | 28.86 0.34 0.78 | 34.31 0.46 0.00 | 39.46 0.50 0.00 | 34.77 0.29 0.00 | 34.20 0.22 0.00 | 43.39 0.29 0.00 | 45.32 0.09 0.00 | 42.90 0.16 0.00 | 50.63 0.40 0.00 | 45.31 0.19 0.00 | 40.25 -0.14 0.00 | 42.82 -0.11 0.00 | 48.31 0.07 0.00 | 56.21 0.34 0.00 | 50.78 0.39 0.00 | 42.62 0.24 0.00 | 53.64 0.30 0.00 | 49.67 -0.05 0.00 | 33.94 -0.18 0.00 | 28.84 -0.38 0.00 |

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|--------------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ELM_ST_23_KV_LD_REV_LBMP_A 345012 | 34.14 -2.48 0.00 | 26.98 -2.15 0.00 | 24.31 -2.31 2.46 | 25.11 -2.26 1.50 | 21.80 -2.26 5.25 | 31.65 -2.19 0.00 | 36.25 -2.72 0.00 | 31.30 -3.18 0.00 | 31.41 -2.56 0.00 | 34.41 -3.35 5.34 | 31.87 -3.24 10.11 | 39.12 -3.47 0.15 | 42.41 -4.17 3.65 | 29.59 -3.53 12.00 | 21.48 -2.64 16.28 | 23.09 -2.82 17.01 | 26.84 -3.27 18.13 | 25.30 -4.49 26.08 | 25.78 -3.79 20.81 | 28.64 -3.15 10.59 | 30.96 -3.86 18.53 | 32.67 -3.82 13.23 | 28.24 -2.63 3.26 | 23.84 -2.22 3.16 |
| EMPIRE_CC_1 323656 | 37.19 0.58 0.00 | 29.64 0.50 0.00 | 29.29 0.58 0.37 | 29.20 0.55 0.23 | 29.09 0.58 0.79 | 34.41 0.56 0.00 | 39.63 0.67 0.00 | 35.03 0.55 0.00 | 34.08 0.10 0.00 | 43.24 0.14 0.00 | 45.41 0.18 0.00 | 42.90 0.15 0.00 | 50.41 0.18 0.00 | 45.44 0.32 0.00 | 40.74 0.34 0.00 | 43.26 0.33 0.00 | 48.08 -0.15 0.00 | 55.89 0.03 0.00 | 50.37 -0.01 0.00 | 42.49 0.10 0.00 | 53.48 0.14 0.00 | 49.93 0.21 0.00 | 34.40 0.28 0.00 | 29.67 0.45 0.00 |
| EMPIRE_CC_2 323658 | 37.19 0.58 0.00 | 29.64 0.50 0.00 | 29.29 0.58 0.37 | 29.20 0.55 0.23 | 29.09 0.58 0.79 | 34.41 0.56 0.00 | 39.63 0.67 0.00 | 35.03 0.55 0.00 | 34.08 0.10 0.00 | 43.24 0.14 0.00 | 45.41 0.18 0.00 | 42.90 0.15 0.00 | 50.41 0.18 0.00 | 45.44 0.32 0.00 | 40.74 0.34 0.00 | 43.26 0.33 0.00 | 48.08 -0.15 0.00 | 55.89 0.03 0.00 | 50.37 -0.01 0.00 | 42.49 0.10 0.00 | 53.48 0.14 0.00 | 49.93 0.21 0.00 | 34.40 0.28 0.00 | 29.67 0.45 0.00 |
| ENORWICH_115KV_TB1 80156 | 37.95 1.34 0.00 | 29.79 0.66 0.00 | 26.70 0.46 2.84 | 27.73 0.59 1.74 | 23.83 0.59 6.06 | 34.75 0.90 0.00 | 40.05 1.08 0.00 | 35.33 0.85 0.00 | 35.21 1.23 0.00 | 45.39 1.37 -0.93 | 48.46 1.47 -1.76 | 43.62 0.85 -0.03 | 52.85 0.71 -1.90 | 47.55 0.35 -2.08 | 43.50 0.29 -2.82 | 46.36 0.49 -2.95 | 52.16 0.79 -3.14 | 74.40 0.84 -17.69 | 59.64 0.64 -8.62 | 49.81 0.53 -6.90 | 56.87 0.31 -3.21 | 52.11 0.10 -2.30 | 35.92 -0.11 -1.91 | 29.61 -0.16 -0.55 |
| ERIE_ST__34_KV_TB1-2 80199 | 34.72 -1.89 0.00 | 27.43 -1.70 0.00 | 24.73 -1.87 2.49 | 25.53 -1.82 1.52 | 22.20 -1.80 5.30 | 32.18 -1.67 0.00 | 36.84 -2.13 0.00 | 31.90 -2.58 0.00 | 32.04 -1.93 0.00 | 36.14 -2.44 4.51 | 34.39 -2.30 8.54 | 39.97 -2.64 0.13 | 43.77 -3.20 3.26 | 32.33 -2.66 10.13 | 24.80 -1.85 13.74 | 26.59 -1.98 14.36 | 30.63 -2.30 15.31 | 28.65 -3.40 23.82 | 29.41 -2.76 18.21 | 30.48 -2.32 9.58 | 34.91 -2.79 15.64 | 35.73 -2.82 11.17 | 29.20 -2.00 2.92 | 24.90 -1.65 2.67 |
| ERIE_WT_PWR 323693 | 34.32 -2.28 0.00 | 27.13 -2.00 0.00 | 24.43 -2.18 2.48 | 25.23 -2.12 1.52 | 21.89 -2.13 5.29 | 31.81 -2.04 0.00 | 36.43 -2.53 0.00 | 31.49 -2.99 0.00 | 31.63 -2.34 0.00 | 34.93 -3.08 5.08 | 32.66 -2.95 9.62 | 39.39 -3.21 0.14 | 42.81 -3.87 3.55 | 30.44 -2.42 11.42 | 22.49 -2.55 15.49 | 24.19 -2.55 16.19 | 28.00 -2.98 17.25 | 26.13 -3.48 25.57 | 26.84 -2.90 20.07 | 29.13 -2.90 10.34 | 32.24 -3.47 17.63 | 33.62 -3.51 12.59 | 28.51 -2.43 3.17 | 24.17 -2.04 3.01 |
| ESPRGFLD_115KV_TB1 80157 | 37.84 1.23 0.00 | 29.92 0.79 0.00 | 28.90 0.65 0.84 | 29.04 0.68 0.51 | 28.21 0.70 1.79 | 34.75 0.90 0.00 | 40.10 1.14 0.00 | 35.34 0.86 0.00 | 34.95 0.97 0.00 | 44.28 1.19 0.00 | 46.47 1.25 0.00 | 43.79 1.04 0.00 | 51.31 1.08 0.00 | 46.19 1.07 0.00 | 41.39 0.99 0.00 | 43.93 1.00 0.00 | 49.48 1.25 0.00 | 57.15 1.28 0.00 | 51.57 1.19 0.00 | 43.33 0.94 0.00 | 54.86 1.52 0.00 | 51.05 1.33 0.00 | 34.98 0.85 0.00 | 29.76 0.55 0.00 |
| ETNA_115_KV_TB1_REV_LBMP_C 345029 | 36.39 -0.22 0.00 | 28.80 -0.33 0.00 | 25.00 -0.44 3.65 | 26.22 -0.42 2.23 | 21.10 -0.41 7.79 | 33.58 -0.27 0.00 | 38.69 -0.27 0.00 | 34.15 -0.33 0.00 | 33.87 -0.11 0.00 | 44.30 -0.33 -1.54 | 47.81 -0.34 -2.92 | 42.30 -0.49 -0.04 | 53.82 -0.67 -4.26 | 47.99 -0.59 -3.46 | 44.74 -0.34 -4.69 | 47.46 -0.36 -4.90 | 52.96 -0.49 -5.22 | 95.50 -0.67 -40.30 | 67.95 -0.48 -18.05 | 57.20 -0.41 -15.23 | 58.23 -0.45 -5.34 | 53.02 -0.51 -3.81 | 37.84 -0.45 -4.17 | 29.75 -0.38 -0.91 |
| ETNA____115KV_TB2 80207 | 36.39 -0.22 0.00 | 28.80 -0.33 0.00 | 25.00 -0.44 3.65 | 26.22 -0.42 2.23 | 21.10 -0.41 7.79 | 33.58 -0.27 0.00 | 38.69 -0.27 0.00 | 34.15 -0.33 0.00 | 33.87 -0.11 0.00 | 44.30 -0.33 -1.54 | 47.81 -0.34 -2.92 | 42.30 -0.49 -0.04 | 53.82 -0.67 -4.26 | 47.99 -0.59 -3.46 | 44.74 -0.34 -4.69 | 47.46 -0.36 -4.90 | 52.96 -0.49 -5.22 | 95.50 -0.67 -40.30 | 67.95 -0.48 -18.05 | 57.20 -0.41 -15.23 | 58.23 -0.45 -5.34 | 53.02 -0.51 -3.81 | 37.84 -0.45 -4.17 | 29.75 -0.38 -0.91 |
| EUCLID___115KV_TB2 356179 | 35.46 -1.15 0.00 | 28.14 -0.99 0.00 | 22.94 -1.07 5.07 | 24.71 -1.06 3.10 | 17.43 -1.06 10.81 | 32.78 -1.07 0.00 | 37.76 -1.20 0.00 | 33.35 -1.14 0.00 | 32.99 -0.98 0.00 | 41.72 -1.38 0.00 | 43.83 -1.40 0.00 | 41.34 -1.40 0.00 | 48.55 -1.68 0.00 | 43.70 -1.42 0.00 | 39.31 -1.08 0.00 | 41.75 -1.18 0.00 | 46.77 -1.46 0.00 | 54.04 -1.83 0.00 | 48.82 -1.57 0.00 | 41.07 -1.31 0.00 | 51.73 -1.61 0.00 | 48.15 -1.56 0.00 | 33.01 -1.12 0.00 | 28.26 -0.96 0.00 |
| E_CANADA_CAP_HY 24051 | 38.22 1.61 0.00 | 30.27 1.13 0.00 | 29.54 1.03 0.58 | 29.58 1.05 0.36 | 29.14 1.08 1.25 | 35.15 1.30 0.00 | 40.51 1.54 0.00 | 35.69 1.21 0.00 | 35.14 1.16 0.00 | 44.46 1.36 0.00 | 46.59 1.36 0.00 | 43.85 1.10 0.00 | 51.50 1.27 0.00 | 46.42 1.31 0.00 | 41.49 1.10 0.00 | 44.07 1.14 0.00 | 49.66 1.43 0.00 | 57.47 1.60 0.00 | 51.91 1.53 0.00 | 43.65 1.27 0.00 | 55.47 2.13 0.00 | 51.63 1.91 0.00 | 35.30 1.18 0.00 | 30.01 0.79 0.00 |
| E_CANADA_MHWK_HY 24050 | 36.42 -0.19 0.00 | 28.96 -0.17 0.00 | 28.33 -0.26 0.49 | 28.29 -0.28 0.30 | 27.99 -0.26 1.05 | 33.49 -0.36 0.00 | 38.54 -0.42 0.00 | 34.41 -0.07 0.00 | 33.82 -0.16 0.00 | 42.48 -0.61 0.00 | 44.28 -0.95 0.00 | 41.66 -1.09 0.00 | 49.12 -1.11 0.00 | 44.39 -0.72 0.00 | 39.91 -0.48 0.00 | 42.62 -0.31 0.00 | 47.57 -0.66 0.00 | 55.16 -0.71 0.00 | 49.94 -0.45 0.00 | 42.20 -0.18 0.00 | 52.79 -0.55 0.00 | 49.27 -0.45 0.00 | 33.80 -0.32 0.00 | 29.10 -0.12 0.00 |
| E_FISHKILL___LBMP 23776 | 37.78 1.17 0.00 | 30.01 0.87 0.00 | 29.34 0.75 0.49 | 29.36 0.79 0.30 | 29.05 0.80 1.05 | 34.72 0.87 0.00 | 40.04 1.08 0.00 | 35.60 1.12 0.00 | 35.12 1.14 0.00 | 44.44 1.34 0.00 | 46.70 1.47 0.00 | 44.27 1.52 0.00 | 51.91 1.68 0.00 | 46.85 1.73 0.00 | 42.24 1.84 0.00 | 44.87 1.95 0.00 | 50.06 1.83 0.00 | 57.88 2.01 0.00 | 52.20 1.81 0.00 | 43.86 1.48 0.00 | 55.11 1.77 0.00 | 51.49 1.78 0.00 | 35.51 1.39 0.00 | 30.53 1.31 0.00 |
| FALCON___SEABRD_CC1 323796 | 37.34 0.73 0.00 | 29.68 0.55 0.00 | 29.37 0.66 0.37 | 29.31 0.66 0.23 | 29.16 0.65 0.79 | 34.66 0.82 0.00 | 39.94 0.97 0.00 | 35.25 0.76 0.00 | 34.63 0.65 0.00 | 43.84 0.75 0.00 | 45.86 0.63 0.00 | 43.38 0.63 0.00 | 51.15 0.93 0.00 | 45.83 0.71 0.00 | 40.70 0.31 0.00 | 43.33 0.41 0.00 | 48.80 0.57 0.00 | 56.83 0.97 0.00 | 51.39 1.00 0.00 | 43.09 0.70 0.00 | 54.31 0.96 0.00 | 50.25 0.54 0.00 | 34.29 0.17 0.00 | 29.17 -0.05 0.00 |
| FALCON___SEABRD_CC2 323797 | 37.34 0.73 0.00 | 29.68 0.55 0.00 | 29.37 0.66 0.37 | 29.31 0.66 0.23 | 29.16 0.65 0.79 | 34.66 0.82 0.00 | 39.94 0.97 0.00 | 35.25 0.76 0.00 | 34.63 0.65 0.00 | 43.84 0.75 0.00 | 45.86 0.63 0.00 | 43.38 0.63 0.00 | 51.15 0.93 0.00 | 45.83 0.71 0.00 | 40.70 0.31 0.00 | 43.33 0.41 0.00 | 48.80 0.57 0.00 | 56.83 0.97 0.00 | 51.39 1.00 0.00 | 43.09 0.70 0.00 | 54.31 0.96 0.00 | 50.25 0.54 0.00 | 34.29 0.17 0.00 | 29.17 -0.05 0.00 |

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| FAR ROCKAWAY___4 23548 | 98.33 2.25 -59.46 | 103.39 1.52 -72.73 | 93.69 1.46 -63.14 | 95.76 1.62 -65.26 | 91.12 1.69 -60.12 | 92.87 1.99 -57.02 | 86.68 2.38 -45.33 | 89.82 2.26 -53.08 | 95.08 2.21 -58.90 | 106.89 2.78 -61.02 | 132.15 3.03 -83.89 | 90.92 3.04 -45.14 | 528.04 3.41 -474.41 | 96.03 3.09 -47.83 | 239.93 3.23 -196.31 | 94.35 3.15 -48.28 | 51.48 3.25 0.00 | 59.40 3.53 0.00 | 53.69 3.30 0.00 | 45.09 2.71 0.00 | 56.58 3.24 0.00 | 66.56 3.20 -13.65 | 209.73 2.47 -173.14 | 64.50 2.25 -33.02 |
| FARRAGUT_138_KV_32071_REV_LBMP_J 345003 | 38.14 1.53 0.00 | 30.28 1.15 0.00 | 29.57 0.99 0.50 | 29.60 1.03 0.31 | 29.28 1.05 1.07 | 35.00 1.15 0.00 | 40.40 1.43 0.00 | 35.98 1.50 0.00 | 35.54 1.56 0.00 | 44.91 1.81 0.00 | 47.19 1.96 0.00 | 44.78 2.03 0.00 | 52.48 2.25 0.00 | 47.41 2.29 0.00 | 42.80 2.40 0.00 | 45.47 2.54 0.00 | 50.68 2.45 0.00 | 58.53 2.66 0.00 | 52.76 2.37 0.00 | 44.31 1.93 0.00 | 55.63 2.29 0.00 | 52.04 2.32 0.00 | 35.90 1.78 0.00 | 30.88 1.66 0.00 |
| FARRAGUT_138_KV_38B01_REV_LBMP_J 345016 | 38.15 1.54 0.00 | 30.28 1.15 0.00 | 29.57 0.99 0.50 | 29.60 1.04 0.31 | 29.28 1.05 1.07 | 35.01 1.16 0.00 | 40.41 1.45 0.00 | 35.99 1.51 0.00 | 35.54 1.57 0.00 | 44.91 1.82 0.00 | 47.20 1.97 0.00 | 44.79 2.05 0.00 | 52.49 2.26 0.00 | 47.42 2.30 0.00 | 42.80 2.41 0.00 | 45.47 2.55 0.00 | 50.68 2.45 0.00 | 58.54 2.67 0.00 | 52.77 2.39 0.00 | 44.31 1.93 0.00 | 55.65 2.31 0.00 | 52.06 2.34 0.00 | 35.91 1.79 0.00 | 30.89 1.67 0.00 |
| FARRAGUT_138_KV_38M12_REV_LBMP_J 345017 | 38.13 1.52 0.00 | 30.27 1.13 0.00 | 29.56 0.98 0.50 | 29.59 1.02 0.31 | 29.27 1.04 1.07 | 35.00 1.15 0.00 | 40.39 1.43 0.00 | 35.97 1.49 0.00 | 35.53 1.55 0.00 | 44.88 1.79 0.00 | 47.18 1.95 0.00 | 44.77 2.03 0.00 | 52.48 2.25 0.00 | 47.39 2.28 0.00 | 42.80 2.40 0.00 | 45.46 2.53 0.00 | 50.66 2.43 0.00 | 58.50 2.63 0.00 | 52.75 2.37 0.00 | 44.29 1.90 0.00 | 55.61 2.26 0.00 | 52.02 2.30 0.00 | 35.89 1.77 0.00 | 30.87 1.65 0.00 |
| FARRAGUT___LBMP 323566 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.54 0.96 0.50 | 29.57 1.00 0.31 | 29.25 1.03 1.07 | 34.97 1.12 0.00 | 40.36 1.39 0.00 | 35.94 1.46 0.00 | 35.49 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.90 0.00 | 44.72 1.98 0.00 | 52.42 2.19 0.00 | 47.34 2.23 0.00 | 42.74 2.35 0.00 | 45.41 2.48 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.24 1.86 0.00 | 55.55 2.21 0.00 | 51.97 2.26 0.00 | 35.86 1.74 0.00 | 30.84 1.63 0.00 |
| FENNER___WINDPWR 24204 | 36.76 0.15 0.00 | 29.13 0.00 0.00 | 25.67 -0.12 3.29 | 26.76 -0.11 2.01 | 22.18 -0.11 7.02 | 33.86 0.01 0.00 | 39.01 0.04 0.00 | 34.52 0.04 0.00 | 34.15 0.17 0.00 | 43.16 0.07 0.00 | 45.29 0.06 0.00 | 42.75 0.01 0.00 | 50.88 -0.04 -0.70 | 45.14 0.03 0.00 | 40.57 0.18 0.00 | 43.10 0.18 0.00 | 48.24 0.01 0.00 | 62.95 -0.02 -7.10 | 53.01 0.04 -2.59 | 45.02 0.02 -2.62 | 53.37 0.02 0.00 | 49.65 -0.07 0.00 | 34.67 -0.14 -0.69 | 29.06 -0.16 0.00 |
| FIBERTEK___ENERGY 23856 | 35.59 -1.02 0.00 | 28.24 -0.90 0.00 | 22.89 -0.97 5.23 | 24.71 -0.97 3.20 | 17.16 -0.98 11.16 | 32.88 -0.97 0.00 | 37.92 -1.05 0.00 | 33.47 -1.02 0.00 | 33.09 -0.88 0.00 | 41.86 -1.24 0.00 | 43.96 -1.27 0.00 | 41.44 -1.30 0.00 | 48.72 -1.52 0.00 | 43.85 -1.27 0.00 | 39.43 -0.96 0.00 | 41.85 -1.07 0.00 | 46.89 -1.34 0.00 | 54.23 -1.64 0.00 | 48.96 -1.42 0.00 | 41.19 -1.19 0.00 | 51.89 -1.45 0.00 | 48.32 -1.40 0.00 | 33.10 -1.02 0.00 | 28.33 -0.89 0.00 |
| FITZPATRICK___ 23598 | 34.86 -1.75 0.00 | 27.68 -1.46 0.00 | 19.45 -1.51 8.12 | 22.41 -1.50 4.96 | 10.48 -1.52 17.31 | 32.22 -1.63 0.00 | 37.11 -1.85 0.00 | 32.75 -1.73 0.00 | 32.38 -1.59 0.00 | 40.97 -2.12 0.00 | 43.03 -2.20 0.00 | 40.60 -2.15 0.00 | 47.70 -2.53 0.00 | 42.92 -2.20 0.00 | 38.56 -1.83 0.00 | 40.97 -1.96 0.00 | 45.91 -2.32 0.00 | 53.09 -2.78 0.00 | 47.94 -2.45 0.00 | 40.32 -2.06 0.00 | 50.77 -2.57 0.00 | 47.29 -2.43 0.00 | 32.43 -1.70 0.00 | 27.76 -1.45 0.00 |
| FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010 | 38.22 1.60 0.00 | 30.33 1.20 0.00 | 29.64 1.06 0.50 | 29.66 1.09 0.31 | 29.35 1.12 1.07 | 35.11 1.27 0.00 | 40.55 1.59 0.00 | 36.07 1.59 0.00 | 35.59 1.62 0.00 | 45.04 1.95 0.00 | 47.33 2.10 0.00 | 44.86 2.11 0.00 | 52.62 2.39 0.00 | 47.49 2.37 0.00 | 42.82 2.43 0.00 | 45.50 2.58 0.00 | 50.77 2.54 0.00 | 58.70 2.83 0.00 | 52.95 2.57 0.00 | 44.50 2.11 0.00 | 55.94 2.60 0.00 | 52.17 2.45 0.00 | 35.95 1.83 0.00 | 30.88 1.66 0.00 |
| FORT ORANGE___ 23900 | 36.87 0.26 0.00 | 29.40 0.27 0.00 | 29.02 0.29 0.36 | 28.94 0.28 0.22 | 28.84 0.31 0.77 | 34.13 0.28 0.00 | 39.33 0.36 0.00 | 34.92 0.43 0.00 | 34.18 0.21 0.00 | 43.25 0.16 0.00 | 45.43 0.20 0.00 | 42.94 0.19 0.00 | 50.41 0.18 0.00 | 45.44 0.33 0.00 | 40.81 0.41 0.00 | 43.34 0.41 0.00 | 48.29 0.06 0.00 | 56.10 0.23 0.00 | 50.61 0.23 0.00 | 42.66 0.28 0.00 | 53.66 0.31 0.00 | 50.10 0.39 0.00 | 34.44 0.32 0.00 | 29.65 0.43 0.00 |
| FORT_DRUM_COGEN 23780 | 36.38 -0.23 0.00 | 28.87 -0.27 0.00 | 25.30 -0.41 3.37 | 26.46 -0.35 2.06 | 21.78 -0.34 7.19 | 33.70 -0.15 0.00 | 38.93 -0.03 0.00 | 34.41 -0.08 0.00 | 33.65 -0.32 0.00 | 42.26 -0.84 0.00 | 43.92 -1.31 0.00 | 41.02 -1.72 0.00 | 48.56 -1.67 0.00 | 43.61 -1.51 0.00 | 39.12 -1.27 0.00 | 42.01 -0.91 0.00 | 46.60 -1.63 0.00 | 54.05 -1.82 0.00 | 49.03 -1.35 0.00 | 41.65 -0.73 0.00 | 52.02 -1.33 0.00 | 48.07 -1.65 0.00 | 32.90 -1.23 0.00 | 27.64 -1.58 0.00 |
| FOX_HILLS___ESR 323835 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.68 1.10 0.50 | 29.74 1.18 0.31 | 29.40 1.18 1.07 | 35.17 1.32 0.00 | 40.59 1.62 0.00 | 36.10 1.62 0.00 | 35.63 1.65 0.00 | 44.81 1.71 0.00 | 47.13 1.90 0.00 | 44.77 2.03 0.00 | 52.47 2.24 0.00 | 47.38 2.26 0.00 | 42.82 2.42 0.00 | 45.39 2.47 0.00 | 50.57 2.34 0.00 | 58.36 2.49 0.00 | 52.66 2.27 0.00 | 44.22 1.84 0.00 | 55.57 2.23 0.00 | 52.02 2.30 0.00 | 43.04 1.73 -7.19 | 30.88 1.66 0.00 |
| FPL_FAR_ROCK_GT1 24212 | 98.33 2.26 -59.46 | 103.39 1.52 -72.73 | 93.68 1.46 -63.14 | 95.75 1.61 -65.26 | 91.11 1.69 -60.12 | 92.86 1.99 -57.02 | 86.68 2.38 -45.33 | 89.82 2.26 -53.08 | 95.08 2.21 -58.90 | 106.88 2.77 -61.02 | 132.15 3.03 -83.89 | 90.93 3.05 -45.14 | 528.00 3.36 -474.41 | 96.03 3.08 -47.83 | 239.93 3.22 -196.31 | 94.35 3.15 -48.28 | 51.48 3.24 0.00 | 59.39 3.52 0.00 | 53.68 3.30 0.00 | 45.08 2.70 0.00 | 56.58 3.24 0.00 | 66.56 3.19 -13.65 | 209.73 2.47 -173.14 | 64.49 2.25 -33.02 |
| FPL_FAR_ROCK_GT2 23815 | 98.33 2.26 -59.46 | 103.39 1.52 -72.73 | 93.68 1.46 -63.14 | 95.75 1.61 -65.26 | 91.11 1.69 -60.12 | 92.86 1.99 -57.02 | 86.68 2.38 -45.33 | 89.82 2.26 -53.08 | 95.08 2.21 -58.90 | 106.88 2.77 -61.02 | 132.15 3.03 -83.89 | 90.93 3.05 -45.14 | 528.00 3.36 -474.41 | 96.03 3.08 -47.83 | 239.93 3.22 -196.31 | 94.35 3.15 -48.28 | 51.48 3.24 0.00 | 59.39 3.52 0.00 | 53.68 3.30 0.00 | 45.08 2.70 0.00 | 56.58 3.24 0.00 | 66.56 3.19 -13.65 | 209.73 2.47 -173.14 | 64.49 2.25 -33.02 |
| FRANKLIN_FALL_HYD 24054 | 36.98 0.37 0.00 | 29.40 0.27 0.00 | 28.91 0.37 0.55 | 28.93 0.40 0.33 | 28.53 0.40 1.17 | 34.41 0.56 0.00 | 40.08 1.12 0.00 | 35.50 1.02 0.00 | 34.82 0.84 0.00 | 44.43 1.33 0.00 | 46.20 0.97 0.00 | 43.50 0.76 0.00 | 50.79 0.56 0.00 | 45.43 0.31 0.00 | 40.28 -0.11 0.00 | 42.88 -0.04 0.00 | 48.43 0.20 0.00 | 56.39 0.52 0.00 | 50.97 0.58 0.00 | 42.83 0.45 0.00 | 53.95 0.61 0.00 | 50.01 0.29 0.00 | 34.20 0.08 0.00 | 28.98 -0.24 0.00 |

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| FREEPORT_EQUS_GT1 23764 | 48.84 2.15 -10.09 | 42.98 1.51 -12.34 | 40.80 1.42 -10.29 | 41.18 1.49 -10.82 | 40.17 1.56 -9.31 | 50.17 1.82 -14.50 | 54.23 2.20 -13.07 | 54.10 2.12 -17.49 | 59.27 2.09 -23.20 | 68.33 2.57 -22.66 | 76.79 2.70 -28.86 | 61.45 2.73 -15.97 | 218.41 3.09 -165.09 | 66.14 2.73 -18.28 | 117.76 3.08 -74.29 | 65.27 3.14 -19.22 | 51.23 3.00 0.00 | 59.10 3.23 0.00 | 53.46 3.07 0.00 | 44.86 2.48 0.00 | 56.27 2.93 0.00 | 56.94 2.96 -4.26 | 97.45 2.37 -60.95 | 42.00 2.13 -10.65 |
| FREEPORT___CT2 23818 | 48.84 2.15 -10.09 | 42.98 1.51 -12.34 | 40.80 1.42 -10.29 | 41.18 1.49 -10.82 | 40.17 1.56 -9.31 | 50.17 1.82 -14.50 | 54.23 2.20 -13.07 | 54.10 2.12 -17.49 | 59.27 2.09 -23.20 | 68.33 2.57 -22.66 | 76.79 2.70 -28.86 | 61.45 2.73 -15.97 | 218.41 3.09 -165.09 | 66.14 2.73 -18.28 | 117.76 3.08 -74.29 | 65.27 3.14 -19.22 | 51.23 3.00 0.00 | 59.10 3.23 0.00 | 53.46 3.07 0.00 | 44.86 2.48 0.00 | 56.27 2.93 0.00 | 56.94 2.96 -4.26 | 97.45 2.37 -60.95 | 42.00 2.13 -10.65 |
| FRESHKLS_33_KV_LOAD 356253 | 38.25 1.64 0.00 | 30.41 1.28 0.00 | 29.74 1.16 0.50 | 29.81 1.25 0.31 | 29.48 1.26 1.07 | 35.26 1.41 0.00 | 40.69 1.72 0.00 | 36.16 1.68 0.00 | 35.65 1.67 0.00 | 44.77 1.68 0.00 | 47.10 1.87 0.00 | 44.75 2.00 0.00 | 52.43 2.20 0.00 | 47.34 2.22 0.00 | 42.78 2.39 0.00 | 45.35 2.43 0.00 | 50.49 2.26 0.00 | 58.28 2.41 0.00 | 52.60 2.22 0.00 | 44.17 1.79 0.00 | 55.51 2.17 0.00 | 51.97 2.25 0.00 | 43.02 1.70 -7.19 | 30.88 1.66 0.00 |
| FULTON COGEN____ 23766 | 35.06 -1.55 0.00 | 27.82 -1.32 0.00 | 21.82 -1.38 5.89 | 23.90 -1.38 3.60 | 15.38 -1.37 12.55 | 32.42 -1.44 0.00 | 37.37 -1.60 0.00 | 33.00 -1.49 0.00 | 32.63 -1.34 0.00 | 41.23 -1.87 0.00 | 43.31 -1.92 0.00 | 40.83 -1.91 0.00 | 47.93 -2.30 0.00 | 43.16 -1.96 0.00 | 38.87 -1.53 0.00 | 41.24 -1.69 0.00 | 46.24 -1.99 0.00 | 53.44 -2.43 0.00 | 48.28 -2.10 0.00 | 40.64 -1.74 0.00 | 51.18 -2.17 0.00 | 47.64 -2.08 0.00 | 32.63 -1.49 0.00 | 27.93 -1.29 0.00 |
| FULTON___LFGE 323630 | 38.18 1.57 0.00 | 30.29 1.16 0.00 | 29.69 1.09 0.48 | 29.67 1.09 0.29 | 29.41 1.14 1.02 | 35.24 1.39 0.00 | 40.67 1.71 0.00 | 35.96 1.48 0.00 | 35.31 1.34 0.00 | 44.63 1.53 0.00 | 46.66 1.43 0.00 | 43.84 1.10 0.00 | 51.65 1.42 0.00 | 46.64 1.53 0.00 | 41.66 1.27 0.00 | 44.40 1.48 0.00 | 49.96 1.73 0.00 | 57.83 1.96 0.00 | 52.27 1.88 0.00 | 44.06 1.68 0.00 | 55.89 2.55 0.00 | 52.07 2.35 0.00 | 35.60 1.48 0.00 | 30.33 1.11 0.00 |
| G.F.CEMENT___DRP 24184 | 38.00 1.39 0.00 | 30.34 1.21 0.00 | 29.94 1.21 0.34 | 29.79 1.12 0.21 | 29.73 1.16 0.73 | 35.18 1.33 0.00 | 40.77 1.80 0.00 | 36.29 1.80 0.00 | 35.51 1.54 0.00 | 44.98 1.89 0.00 | 47.33 2.10 0.00 | 44.67 1.93 0.00 | 52.30 2.07 0.00 | 47.07 1.95 0.00 | 42.17 1.78 0.00 | 44.88 1.96 0.00 | 50.17 1.94 0.00 | 58.50 2.63 0.00 | 52.89 2.51 0.00 | 44.65 2.26 0.00 | 56.48 3.14 0.00 | 52.54 2.82 0.00 | 35.88 1.76 0.00 | 30.81 1.59 0.00 |
| GARDENVILLE___LBMP 24039 | 34.24 -2.37 0.00 | 27.05 -2.08 0.00 | 24.38 -2.23 2.48 | 25.17 -2.19 1.51 | 21.83 -2.19 5.28 | 31.74 -2.11 0.00 | 36.35 -2.61 0.00 | 31.41 -3.07 0.00 | 31.51 -2.46 0.00 | 33.99 -3.22 5.88 | 30.98 -3.11 11.14 | 39.22 -3.36 0.17 | 42.21 -4.05 3.97 | 28.46 -3.43 13.22 | 19.90 -2.56 17.93 | 21.45 -2.74 18.73 | 25.08 -3.18 19.97 | 23.34 -4.37 28.16 | 23.99 -3.66 22.73 | 27.88 -3.04 11.46 | 29.25 -3.68 20.41 | 31.49 -3.66 14.57 | 28.04 -2.54 3.54 | 23.61 -2.13 3.48 |
| GARDNVLA_35_KV_LD 355827 | 34.38 -2.23 0.00 | 27.16 -1.98 0.00 | 24.46 -2.15 2.48 | 25.26 -2.10 1.52 | 21.90 -2.11 5.29 | 31.84 -2.01 0.00 | 36.47 -2.49 0.00 | 31.54 -2.94 0.00 | 31.66 -2.32 0.00 | 35.26 -3.05 4.78 | 33.23 -2.94 9.06 | 39.44 -3.16 0.14 | 43.01 -3.82 3.40 | 31.13 -3.24 10.75 | 23.42 -2.39 14.58 | 25.14 -2.56 15.23 | 29.04 -2.96 16.24 | 27.10 -4.16 24.61 | 27.83 -3.47 19.08 | 29.59 -2.87 9.93 | 33.29 -3.46 16.59 | 34.41 -3.45 11.85 | 28.68 -2.41 3.04 | 24.35 -2.04 2.83 |
| GELCKHM___115KV_LOAD 80723 | 35.50 -1.10 0.00 | 28.17 -0.96 0.00 | 22.90 -1.03 5.16 | 24.70 -1.02 3.15 | 17.27 -1.04 10.99 | 32.82 -1.03 0.00 | 37.82 -1.15 0.00 | 33.40 -1.08 0.00 | 33.03 -0.94 0.00 | 41.76 -1.33 0.00 | 43.87 -1.36 0.00 | 41.38 -1.37 0.00 | 48.61 -1.63 0.00 | 43.75 -1.37 0.00 | 39.36 -1.04 0.00 | 41.78 -1.14 0.00 | 46.82 -1.41 0.00 | 54.12 -1.75 0.00 | 48.88 -1.50 0.00 | 41.12 -1.26 0.00 | 51.79 -1.55 0.00 | 48.22 -1.50 0.00 | 33.04 -1.08 0.00 | 28.28 -0.94 0.00 |
| GENERAL___MILLS 23808 | 34.32 -2.28 0.00 | 27.13 -2.00 0.00 | 24.43 -2.18 2.48 | 25.23 -2.13 1.52 | 21.88 -2.13 5.29 | 31.81 -2.04 0.00 | 36.43 -2.53 0.00 | 31.49 -2.99 0.00 | 31.61 -2.37 0.00 | 34.90 -3.11 5.08 | 32.61 -2.99 9.62 | 39.36 -3.25 0.14 | 42.78 -3.90 3.55 | 30.39 -3.31 11.42 | 22.45 -2.45 15.49 | 24.12 -2.62 16.19 | 27.94 -3.04 17.25 | 26.06 -4.23 25.57 | 26.77 -3.55 20.07 | 29.10 -2.93 10.34 | 32.17 -3.54 17.63 | 33.61 -3.52 12.59 | 28.50 -2.45 3.17 | 24.14 -2.07 3.01 |
| GE_PLASTICS___DRP 24183 | 36.82 0.21 0.00 | 29.35 0.22 0.00 | 28.96 0.23 0.36 | 28.88 0.23 0.22 | 28.78 0.24 0.76 | 34.06 0.21 0.00 | 39.21 0.24 0.00 | 34.79 0.31 0.00 | 34.13 0.15 0.00 | 43.19 0.10 0.00 | 45.37 0.14 0.00 | 42.89 0.14 0.00 | 50.38 0.15 0.00 | 45.40 0.28 0.00 | 40.77 0.38 0.00 | 43.29 0.36 0.00 | 48.27 0.04 0.00 | 56.01 0.14 0.00 | 50.51 0.13 0.00 | 42.54 0.16 0.00 | 53.52 0.17 0.00 | 49.97 0.25 0.00 | 34.37 0.25 0.00 | 29.59 0.37 0.00 |
| GILBOA___1 23756 | 36.94 0.33 0.00 | 29.38 0.25 0.00 | 28.67 0.21 0.63 | 28.72 0.23 0.38 | 28.19 0.23 1.34 | 34.07 0.23 0.00 | 39.17 0.21 0.00 | 34.76 0.28 0.00 | 34.23 0.26 0.00 | 43.32 0.22 0.00 | 45.49 0.26 0.00 | 43.01 0.27 0.00 | 50.48 0.25 0.00 | 45.50 0.38 0.00 | 40.94 0.54 0.00 | 43.43 0.51 0.00 | 48.53 0.30 0.00 | 56.20 0.33 0.00 | 50.58 0.20 0.00 | 42.55 0.17 0.00 | 53.54 0.20 0.00 | 50.08 0.36 0.00 | 34.51 0.39 0.00 | 29.66 0.44 0.00 |
| GILBOA___2 23757 | 36.94 0.33 0.00 | 29.38 0.25 0.00 | 28.67 0.21 0.63 | 28.72 0.23 0.38 | 28.19 0.23 1.34 | 34.07 0.23 0.00 | 39.17 0.21 0.00 | 34.76 0.28 0.00 | 34.23 0.26 0.00 | 43.32 0.22 0.00 | 45.49 0.26 0.00 | 43.01 0.27 0.00 | 50.48 0.25 0.00 | 45.50 0.38 0.00 | 40.94 0.54 0.00 | 43.43 0.51 0.00 | 48.53 0.30 0.00 | 56.20 0.33 0.00 | 50.58 0.20 0.00 | 42.55 0.17 0.00 | 53.54 0.20 0.00 | 50.08 0.36 0.00 | 34.51 0.39 0.00 | 29.66 0.44 0.00 |
| GILBOA___3 23758 | 36.94 0.33 0.00 | 29.38 0.25 0.00 | 28.67 0.21 0.63 | 28.72 0.23 0.38 | 28.19 0.23 1.34 | 34.07 0.23 0.00 | 39.17 0.21 0.00 | 34.76 0.28 0.00 | 34.23 0.26 0.00 | 43.32 0.22 0.00 | 45.49 0.26 0.00 | 43.01 0.27 0.00 | 50.48 0.25 0.00 | 45.50 0.38 0.00 | 40.94 0.54 0.00 | 43.43 0.51 0.00 | 48.53 0.30 0.00 | 56.20 0.33 0.00 | 50.58 0.20 0.00 | 42.55 0.17 0.00 | 53.54 0.20 0.00 | 50.08 0.36 0.00 | 34.51 0.39 0.00 | 29.66 0.44 0.00 |
| GILBOA___4 23759 | 36.94 0.33 0.00 | 29.38 0.25 0.00 | 28.67 0.21 0.63 | 28.72 0.23 0.38 | 28.19 0.23 1.34 | 34.07 0.23 0.00 | 39.17 0.21 0.00 | 34.76 0.28 0.00 | 34.23 0.26 0.00 | 43.32 0.22 0.00 | 45.49 0.26 0.00 | 43.01 0.27 0.00 | 50.48 0.25 0.00 | 45.50 0.38 0.00 | 40.94 0.54 0.00 | 43.43 0.51 0.00 | 48.53 0.30 0.00 | 56.20 0.33 0.00 | 50.58 0.20 0.00 | 42.55 0.17 0.00 | 53.54 0.20 0.00 | 50.08 0.36 0.00 | 34.51 0.39 0.00 | 29.66 0.44 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|
| GILBOA____ 23599 | 36.94 0.33 0.00 | 29.38 0.25 0.00 | 28.67 0.21 0.63 | 28.72 0.23 0.38 | 28.19 0.23 1.34 | 34.07 0.22 0.00 | 39.17 0.21 0.00 | 34.76 0.28 0.00 | 34.23 0.26 0.00 | 43.32 0.22 0.00 | 45.49 0.26 0.00 | 43.01 0.27 0.00 | 50.48 0.25 0.00 | 45.50 0.39 0.00 | 40.94 0.55 0.00 | 43.43 0.51 0.00 | 48.53 0.30 0.00 | 56.19 0.32 0.00 | 50.58 0.20 0.00 | 42.55 0.17 0.00 | 53.55 0.20 0.00 | 50.07 0.36 0.00 | 34.51 0.39 0.00 | 29.66 0.44 0.00 |
| GINNA____ 23603 | 33.42 -3.19 0.00 | 26.49 -2.64 0.00 | 23.85 -2.73 2.51 | 24.65 -2.69 1.54 | 21.24 -2.71 5.35 | 31.02 -2.83 0.00 | 35.71 -3.26 0.00 | 31.24 -3.24 0.00 | 31.09 -2.88 0.00 | 39.29 -3.80 0.00 | 41.39 -3.84 0.00 | 39.00 -3.75 0.00 | 45.35 -4.41 0.47 | 41.25 -3.87 0.00 | 37.23 -3.16 0.00 | 39.54 -3.38 0.00 | 44.34 -3.89 0.00 | 46.29 -4.82 4.76 | 44.49 -4.21 1.69 | 37.14 -3.54 1.71 | 48.89 -4.45 0.00 | 45.40 -4.32 0.00 | 30.68 -2.99 0.45 | 26.60 -2.62 0.00 |
| GLEN PARK____ 23778 | 36.40 -0.21 0.00 | 28.87 -0.26 0.00 | 25.17 -0.41 3.51 | 26.38 -0.35 2.14 | 21.50 -0.33 7.48 | 33.72 -0.12 0.00 | 38.98 0.02 0.00 | 34.45 -0.03 0.00 | 33.70 -0.28 0.00 | 42.28 -0.82 0.00 | 43.92 -1.31 0.00 | 40.98 -1.76 0.00 | 48.46 -1.77 0.00 | 43.49 -1.63 0.00 | 38.97 -1.42 0.00 | 42.06 -0.86 0.00 | 46.70 -1.52 0.00 | 54.13 -1.74 0.00 | 49.13 -1.26 0.00 | 41.76 -0.62 0.00 | 52.19 -1.15 0.00 | 48.22 -1.50 0.00 | 32.98 -1.14 0.00 | 27.71 -1.51 0.00 |
| GLENDALE_27_KV_LOAD 356172 | 38.29 1.68 0.00 | 30.42 1.28 0.00 | 29.70 1.11 0.50 | 29.73 1.16 0.31 | 29.40 1.17 1.07 | 35.16 1.31 0.00 | 40.60 1.63 0.00 | 36.19 1.71 0.00 | 35.74 1.76 0.00 | 45.08 1.99 0.00 | 47.40 2.17 0.00 | 45.00 2.26 0.00 | 52.77 2.53 0.00 | 47.63 2.51 0.00 | 43.03 2.63 0.00 | 45.69 2.76 0.00 | 50.90 2.67 0.00 | 58.77 2.90 0.00 | 52.97 2.58 0.00 | 44.47 2.08 0.00 | 55.83 2.49 0.00 | 52.22 2.50 0.00 | 36.01 1.89 0.00 | 30.98 1.76 0.00 |
| GLENWOOD_IC_1_G5 23712 | 43.24 1.83 -4.80 | 36.32 1.32 -5.87 | 34.92 1.20 -4.63 | 35.12 1.27 -4.98 | 34.49 1.32 -3.86 | 42.73 1.50 -7.37 | 47.55 1.83 -6.75 | 47.88 1.81 -11.60 | 55.15 1.81 -19.36 | 63.02 2.07 -17.85 | 68.22 2.24 -20.75 | 56.95 2.31 -11.89 | 175.99 2.57 -123.19 | 62.29 2.42 -14.76 | 104.79 2.59 -61.81 | 61.64 2.68 -16.04 | 50.93 2.70 0.00 | 58.47 2.60 0.00 | 52.77 2.39 0.00 | 44.44 2.06 0.00 | 55.78 2.44 0.00 | 55.75 2.47 -3.56 | 86.84 2.04 -50.67 | 37.89 1.88 -6.79 |
| GLENWOOD_IC_2_G1 23688 | 38.24 1.63 0.00 | 30.31 1.18 0.00 | 29.64 1.05 0.50 | 29.68 1.11 0.31 | 29.38 1.16 1.07 | 35.15 1.30 0.00 | 40.56 1.59 0.00 | 36.26 1.59 -0.18 | 36.11 1.61 -0.53 | 45.45 1.92 -0.44 | 47.74 2.09 -0.42 | 45.16 2.16 -0.26 | 55.32 2.38 -2.71 | 47.79 2.29 -0.38 | 44.52 2.45 -1.67 | 45.90 2.54 -0.44 | 50.68 2.45 0.00 | 58.48 2.61 0.00 | 52.80 2.42 0.00 | 44.34 1.96 0.00 | 55.66 2.32 0.00 | 52.15 2.34 -0.10 | 37.34 1.84 -1.37 | 31.02 1.70 -0.09 |
| GLENWOOD_IC_3_G1 23689 | 38.24 1.63 0.00 | 30.31 1.18 0.00 | 29.64 1.05 0.50 | 29.68 1.11 0.31 | 29.38 1.16 1.07 | 35.15 1.30 0.00 | 40.56 1.59 0.00 | 36.26 1.59 -0.18 | 36.11 1.61 -0.53 | 45.45 1.92 -0.44 | 47.74 2.09 -0.42 | 45.16 2.16 -0.26 | 55.32 2.38 -2.71 | 47.79 2.29 -0.38 | 44.52 2.45 -1.67 | 45.90 2.54 -0.44 | 50.68 2.45 0.00 | 58.48 2.61 0.00 | 52.80 2.42 0.00 | 44.34 1.96 0.00 | 55.66 2.32 0.00 | 52.15 2.34 -0.10 | 37.34 1.84 -1.37 | 31.02 1.70 -0.09 |
| GLENWOOD____4 23550 | 43.24 1.83 -4.80 | 36.32 1.32 -5.87 | 34.92 1.20 -4.63 | 35.12 1.27 -4.98 | 34.49 1.32 -3.86 | 42.73 1.50 -7.37 | 47.55 1.83 -6.75 | 47.88 1.81 -11.60 | 55.16 1.82 -19.36 | 63.07 2.13 -17.85 | 68.28 2.30 -20.75 | 57.01 2.38 -11.89 | 176.06 2.64 -123.19 | 62.35 2.47 -14.76 | 104.84 2.64 -61.81 | 61.70 2.74 -16.04 | 50.93 2.70 0.00 | 58.57 2.71 0.00 | 52.90 2.52 0.00 | 44.49 2.10 0.00 | 55.85 2.51 0.00 | 55.80 2.53 -3.56 | 86.84 2.04 -50.67 | 37.89 1.88 -6.79 |
| GLENWOOD____5 23614 | 43.24 1.83 -4.80 | 36.32 1.32 -5.87 | 34.92 1.20 -4.63 | 35.12 1.27 -4.98 | 34.49 1.32 -3.86 | 42.73 1.50 -7.37 | 47.55 1.83 -6.75 | 47.88 1.81 -11.60 | 55.16 1.82 -19.36 | 63.07 2.13 -17.85 | 68.28 2.30 -20.75 | 57.01 2.38 -11.89 | 176.06 2.64 -123.19 | 62.35 2.47 -14.76 | 104.84 2.64 -61.81 | 61.70 2.74 -16.04 | 50.93 2.70 0.00 | 58.57 2.71 0.00 | 52.90 2.52 0.00 | 44.49 2.10 0.00 | 55.85 2.51 0.00 | 55.80 2.53 -3.56 | 86.84 2.04 -50.67 | 37.89 1.88 -6.79 |
| GLOBAL GREEN_PORT_GT1 23814 | 35.84 2.36 3.13 | 27.04 1.73 3.82 | 27.17 1.93 3.85 | 27.30 2.18 3.75 | 27.34 2.33 4.29 | 32.50 2.66 4.01 | 38.74 3.31 3.54 | 35.83 2.78 1.43 | 39.52 2.50 -3.05 | 48.04 3.59 -1.36 | 48.25 4.07 1.05 | 46.67 3.94 0.01 | 49.00 4.16 5.39 | 51.34 4.20 -2.03 | 49.61 4.66 -4.56 | 50.34 4.53 -2.88 | 52.12 3.89 0.00 | 60.54 4.67 0.00 | 54.90 4.52 0.00 | 45.55 3.17 0.00 | 56.70 3.36 0.00 | 51.78 3.45 1.38 | 31.98 2.38 4.52 | 30.07 2.03 1.18 |
| GLOBE____DSASP 323697 | 33.22 -3.39 0.00 | 26.30 -2.83 0.00 | 23.72 -2.95 2.42 | 24.50 -2.90 1.48 | 21.26 -2.89 5.15 | 30.84 -3.01 0.00 | 35.25 -3.71 0.00 | 30.34 -4.14 0.00 | 30.44 -3.53 0.00 | 34.57 -4.62 3.90 | 33.28 -4.55 7.39 | 38.01 -4.62 0.11 | 41.92 -5.50 2.81 | 31.79 -4.56 8.77 | 25.00 -3.49 11.90 | 26.72 -3.77 12.43 | 30.65 -4.33 13.25 | 29.65 -5.77 20.45 | 29.71 -4.98 15.70 | 30.05 -4.11 8.23 | 34.29 -5.51 13.54 | 34.81 -5.24 9.67 | 28.20 -3.41 2.51 | 24.08 -2.83 2.31 |
| GOETHSLN____LBMP 323567 | 37.93 1.32 0.00 | 30.10 0.97 0.00 | 29.38 0.79 0.50 | 29.42 0.85 0.31 | 29.09 0.86 1.07 | 34.78 0.93 0.00 | 40.14 1.18 0.00 | 35.74 1.25 0.00 | 35.30 1.30 -0.03 | 44.57 1.47 0.00 | 46.85 1.62 0.00 | 44.48 1.74 0.00 | 52.08 1.86 0.00 | 47.09 1.97 0.00 | 42.51 2.12 0.00 | 45.16 2.23 0.00 | 50.33 2.10 0.00 | 58.09 2.23 0.00 | 52.39 2.01 0.00 | 44.01 1.63 0.00 | 55.27 1.93 0.00 | 51.74 2.02 0.00 | 34.99 1.59 0.72 | 30.73 1.52 0.00 |
| GOLAH____69_KV_TB 1_2 80279 | 34.98 -1.63 0.00 | 27.70 -1.43 0.00 | 25.07 -1.55 2.47 | 25.85 -1.52 1.51 | 22.53 -1.51 5.26 | 32.47 -1.38 0.00 | 37.34 -1.62 0.00 | 32.54 -1.95 0.00 | 32.47 -1.50 0.00 | 41.03 -2.06 0.00 | 43.33 -1.91 0.00 | 40.73 -2.02 0.00 | 47.28 -2.42 0.53 | 43.09 -2.03 0.00 | 38.94 -1.45 0.00 | 41.37 -1.56 0.00 | 46.40 -1.83 0.00 | 48.00 -2.53 5.34 | 46.41 -2.08 1.89 | 38.72 -1.75 1.91 | 51.15 -2.19 0.00 | 47.47 -2.25 0.00 | 32.05 -1.56 0.51 | 27.81 -1.41 0.00 |
| GOODYEAR_LAKE_HYD 323669 | 37.41 0.80 0.00 | 29.63 0.50 0.00 | 28.15 0.38 1.32 | 28.46 0.39 0.81 | 26.90 0.41 2.82 | 34.42 0.57 0.00 | 39.67 0.70 0.00 | 35.09 0.60 0.00 | 34.70 0.72 0.00 | 43.96 0.86 0.00 | 46.17 0.94 0.00 | 43.56 0.81 0.00 | 51.05 0.82 0.00 | 45.95 0.83 0.00 | 41.30 0.91 0.00 | 43.84 0.91 0.00 | 49.20 0.97 0.00 | 56.84 0.97 0.00 | 51.26 0.88 0.00 | 43.09 0.71 0.00 | 54.33 0.99 0.00 | 50.60 0.88 0.00 | 34.77 0.65 0.00 | 29.71 0.49 0.00 |
| GOUDEY_115_KV_TB6_REV_LBMP_C 345031 | 36.10 -0.51 0.00 | 28.57 -0.57 0.00 | 25.56 -0.68 2.84 | 26.46 -0.68 1.74 | 22.55 -0.69 6.06 | 33.25 -0.60 0.00 | 38.19 -0.77 0.00 | 33.69 -0.79 0.00 | 33.52 -0.46 0.00 | 42.32 -0.77 0.00 | 44.49 -0.74 0.00 | 41.88 -0.87 0.00 | 48.62 -1.18 0.43 | 44.13 -0.99 0.00 | 39.72 -0.67 0.00 | 42.19 -0.73 0.00 | 47.27 -0.96 0.00 | 50.58 -1.39 3.90 | 48.30 -1.11 0.98 | 40.43 -0.96 0.99 | 52.31 -1.04 0.00 | 48.69 -1.02 0.00 | 33.12 -0.74 0.26 | 28.67 -0.55 0.00 |

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| GOUDEY___7 23579 | 36.10 -0.51 0.00 | 28.57 -0.57 0.00 | 25.56 -0.68 2.84 | 26.46 -0.68 1.74 | 22.55 -0.69 6.06 | 33.25 -0.60 0.00 | 38.19 -0.77 0.00 | 33.69 -0.79 0.00 | 33.52 -0.46 0.00 | 42.32 -0.77 0.00 | 44.49 -0.74 0.00 | 41.88 -0.87 0.00 | 48.62 -1.18 0.43 | 44.13 -0.99 0.00 | 39.72 -0.67 0.00 | 42.19 -0.73 0.00 | 47.27 -0.96 0.00 | 50.58 -1.39 3.90 | 48.30 -1.11 0.98 | 40.43 -0.96 0.99 | 52.31 -1.04 0.00 | 48.69 -1.02 0.00 | 33.12 -0.74 0.26 | 28.67 -0.55 0.00 |
| GOUDEY___8 23580 | 36.10 -0.51 0.00 | 28.57 -0.57 0.00 | 25.56 -0.68 2.84 | 26.46 -0.68 1.74 | 22.55 -0.69 6.06 | 33.25 -0.60 0.00 | 38.19 -0.77 0.00 | 33.69 -0.79 0.00 | 33.52 -0.46 0.00 | 42.32 -0.77 0.00 | 44.49 -0.74 0.00 | 41.88 -0.87 0.00 | 48.62 -1.18 0.43 | 44.13 -0.99 0.00 | 39.72 -0.67 0.00 | 42.19 -0.73 0.00 | 47.27 -0.96 0.00 | 50.58 -1.39 3.90 | 48.30 -1.11 0.98 | 40.43 -0.96 0.99 | 52.31 -1.04 0.00 | 48.69 -1.02 0.00 | 33.12 -0.74 0.26 | 28.67 -0.55 0.00 |
| GOWANUS_GT1_1 24077 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT1_2 24078 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT1_3 24079 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT1_4 24080 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT1_5 24084 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT1_6 24111 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT1_7 24112 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT1_8 24113 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT2_1 24114 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT2_2 24115 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT2_3 24116 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT2_4 24117 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT2_5 24118 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |

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| GOWANUS_GT2_6 24119 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT2_7 24120 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT2_8 24121 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT3_1 24122 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT3_2 24123 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT3_3 24124 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT3_4 24125 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT3_5 24126 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT3_6 24127 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT3_7 24128 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT3_8 24129 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| GOWANUS_GT4_1 24130 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT4_2 24131 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT4_3 24132 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT4_4 24133 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|
| GOWANUS_GT4_5 24134 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT4_6 24135 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT4_7 24136 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GOWANUS_GT4_8 24137 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GREATVR_69_KV_BK1 356245 | 36.98 2.59 2.23 | 28.24 1.83 2.72 | 27.95 1.75 2.88 | 27.95 1.84 2.76 | 27.87 1.93 3.36 | 33.47 2.29 2.67 | 39.39 2.74 2.32 | 36.97 2.51 0.02 | 41.09 2.52 -4.60 | 49.36 3.27 -2.99 | 49.87 3.44 -1.21 | 47.44 3.49 -1.20 | 61.62 3.88 -7.51 | 52.05 3.66 -3.27 | 54.10 3.78 -9.92 | 51.00 3.95 -4.14 | 52.07 3.84 0.00 | 60.08 4.21 0.00 | 54.41 4.03 0.00 | 45.56 3.18 0.00 | 56.97 3.63 0.00 | 52.56 3.79 0.95 | 37.49 2.87 -0.50 | 31.45 2.53 0.29 |
| GREENBSH_115KV_TB3 55895 | 36.68 0.07 0.00 | 29.27 0.14 0.00 | 28.89 0.16 0.36 | 28.81 0.15 0.22 | 28.71 0.17 0.76 | 33.96 0.11 0.00 | 39.11 0.14 0.00 | 34.71 0.23 0.00 | 34.00 0.03 0.00 | 43.03 -0.07 0.00 | 45.19 -0.03 0.00 | 42.72 -0.02 0.00 | 50.18 -0.05 0.00 | 45.22 0.10 0.00 | 40.60 0.21 0.00 | 43.13 0.21 0.00 | 48.01 -0.22 0.00 | 55.77 -0.11 0.00 | 50.29 -0.09 0.00 | 42.39 0.00 0.00 | 53.29 -0.05 0.00 | 49.77 0.05 0.00 | 34.24 0.12 0.00 | 29.50 0.28 0.00 |
| GREENDGE_115KV_TB5 80291 | 35.41 -1.21 0.00 | 27.98 -1.15 0.00 | 24.73 -1.26 3.10 | 25.74 -1.24 1.90 | 21.43 -1.26 6.61 | 32.73 -1.12 0.00 | 37.66 -1.31 0.00 | 33.05 -1.43 0.00 | 32.86 -1.12 0.00 | 48.71 -1.63 -7.24 | 57.29 -1.66 -13.73 | 41.17 -1.78 -0.21 | 49.12 -2.22 -1.12 | 59.47 -1.92 -16.28 | 61.00 -1.48 -22.09 | 64.39 -1.61 -23.08 | 70.99 -1.84 -24.60 | 49.92 -2.39 3.56 | 62.40 -2.26 -14.27 | 40.81 -1.81 -0.24 | 76.27 -2.21 -25.14 | 65.54 -2.13 -17.95 | 33.33 -1.47 -0.68 | 32.27 -1.24 -4.29 |
| GREENIDGE___3 23582 | 35.41 -1.21 0.00 | 27.98 -1.15 0.00 | 24.73 -1.26 3.10 | 25.74 -1.24 1.90 | 21.43 -1.26 6.61 | 32.73 -1.12 0.00 | 37.66 -1.31 0.00 | 33.05 -1.43 0.00 | 32.86 -1.12 0.00 | 48.71 -1.63 -7.24 | 57.29 -1.66 -13.73 | 41.17 -1.78 -0.21 | 49.12 -2.22 -1.12 | 59.47 -1.92 -16.28 | 61.00 -1.48 -22.09 | 64.39 -1.61 -23.08 | 70.99 -1.84 -24.60 | 49.92 -2.39 3.56 | 62.40 -2.26 -14.27 | 40.81 -1.81 -0.24 | 76.27 -2.21 -25.14 | 65.54 -2.13 -17.95 | 33.33 -1.47 -0.68 | 32.27 -1.24 -4.29 |
| GREENIDGE___4 23583 | 35.41 -1.21 0.00 | 27.98 -1.15 0.00 | 24.73 -1.26 3.10 | 25.74 -1.24 1.90 | 21.43 -1.27 6.61 | 32.72 -1.13 0.00 | 37.65 -1.31 0.00 | 33.05 -1.44 0.00 | 32.86 -1.12 0.00 | 48.71 -1.63 -7.24 | 57.30 -1.65 -13.73 | 41.17 -1.78 -0.21 | 49.13 -2.22 -1.12 | 59.47 -1.92 -16.28 | 61.00 -1.48 -22.09 | 64.40 -1.60 -23.08 | 70.99 -1.84 -24.60 | 49.91 -2.41 3.56 | 62.39 -2.27 -14.27 | 40.81 -1.82 -0.24 | 76.26 -2.22 -25.14 | 65.55 -2.12 -17.95 | 33.32 -1.48 -0.68 | 32.27 -1.24 -4.29 |
| GREENLWN_69_KV_BK 3 55738 | 36.01 1.97 2.56 | 27.36 1.37 3.14 | 27.13 1.29 3.25 | 27.11 1.38 3.14 | 27.05 1.46 3.71 | 32.39 1.70 3.16 | 38.24 2.04 2.77 | 35.90 1.94 0.52 | 39.95 1.90 -4.08 | 47.92 2.39 -2.43 | 48.12 2.47 -0.41 | 46.12 2.59 -0.78 | 56.08 2.86 -3.00 | 50.54 2.57 -2.85 | 51.26 2.77 -8.09 | 49.45 2.81 -3.72 | 50.85 2.62 0.00 | 58.65 2.78 0.00 | 53.05 2.67 0.00 | 44.50 2.11 0.00 | 55.77 2.43 0.00 | 51.14 2.54 1.11 | 34.97 2.11 1.26 | 30.56 1.95 0.61 |
| GREENWD_138_KV_38B11_REV_LBMP_J 345004 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |
| GRISSOM___SOLAR 323813 | 38.11 1.50 0.00 | 30.25 1.12 0.00 | 29.68 1.06 0.46 | 29.65 1.06 0.28 | 29.42 1.10 0.98 | 35.18 1.34 0.00 | 40.61 1.65 0.00 | 35.93 1.45 0.00 | 35.26 1.28 0.00 | 44.55 1.45 0.00 | 46.57 1.34 0.00 | 43.78 1.03 0.00 | 51.56 1.33 0.00 | 46.56 1.44 0.00 | 41.61 1.22 0.00 | 44.39 1.46 0.00 | 49.91 1.67 0.00 | 57.79 1.92 0.00 | 52.20 1.82 0.00 | 44.03 1.65 0.00 | 55.79 2.45 0.00 | 52.01 2.29 0.00 | 35.57 1.45 0.00 | 30.35 1.14 0.00 |
| GROVEVILLE___HYD 323602 | 38.22 1.60 0.00 | 30.33 1.20 0.00 | 29.64 1.06 0.50 | 29.66 1.09 0.31 | 29.35 1.12 1.07 | 35.11 1.27 0.00 | 40.55 1.59 0.00 | 36.07 1.59 0.00 | 35.59 1.62 0.00 | 45.04 1.95 0.00 | 47.33 2.10 0.00 | 44.86 2.11 0.00 | 52.62 2.39 0.00 | 47.49 2.37 0.00 | 42.82 2.43 0.00 | 45.50 2.58 0.00 | 50.77 2.54 0.00 | 58.70 2.83 0.00 | 52.95 2.57 0.00 | 44.50 2.11 0.00 | 55.94 2.60 0.00 | 52.17 2.45 0.00 | 35.95 1.83 0.00 | 30.88 1.66 0.00 |
| GRS_LOCK_115KV_LINE_2_SOLVAY 80269 | 35.59 -1.02 0.00 | 28.24 -0.90 0.00 | 22.89 -0.97 5.23 | 24.71 -0.97 3.20 | 17.16 -0.98 11.16 | 32.88 -0.97 0.00 | 37.92 -1.05 0.00 | 33.47 -1.02 0.00 | 33.09 -0.88 0.00 | 41.86 -1.24 0.00 | 43.96 -1.27 0.00 | 41.44 -1.30 0.00 | 48.72 -1.52 0.00 | 43.85 -1.27 0.00 | 39.43 -0.96 0.00 | 41.85 -1.07 0.00 | 46.89 -1.34 0.00 | 54.23 -1.64 0.00 | 48.96 -1.42 0.00 | 41.19 -1.19 0.00 | 51.89 -1.45 0.00 | 48.32 -1.40 0.00 | 33.10 -1.02 0.00 | 28.33 -0.89 0.00 |
| HAMLTNNY_34_KV_TB 80303 | 35.42 -1.19 0.00 | 28.11 -1.03 0.00 | 23.02 -1.10 4.96 | 24.75 -1.09 3.03 | 17.63 -1.09 10.58 | 32.79 -1.06 0.00 | 37.82 -1.15 0.00 | 33.32 -1.16 0.00 | 32.93 -1.05 0.00 | 41.67 -1.42 0.00 | 43.77 -1.46 0.00 | 41.27 -1.48 0.00 | 48.50 -1.73 0.00 | 43.68 -1.44 0.00 | 39.30 -1.09 0.00 | 41.70 -1.22 0.00 | 46.74 -1.49 0.00 | 54.01 -1.86 0.00 | 48.78 -1.61 0.00 | 41.02 -1.36 0.00 | 51.68 -1.66 0.00 | 48.16 -1.55 0.00 | 32.96 -1.16 0.00 | 28.21 -1.01 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------|-------------------------|--------------------------|--------------------------|--------------------------|-------------------------|-------------------------|------------------------|--------------------------|-------------------------|-------------------------|-------------------------|
| HAMPSHIRE___PAPER_HYD 323593 | 36.24 -0.37 0.00 | 28.82 -0.31 0.00 | 27.07 -0.37 1.65 | 27.55 -0.31 1.01 | 25.46 -0.33 3.52 | 33.60 -0.25 0.00 | 38.70 -0.26 0.00 | 34.16 -0.32 0.00 | 33.45 -0.52 0.00 | 42.47 -0.63 0.00 | 44.14 -1.08 0.00 | 41.55 -1.19 0.00 | 49.26 -0.97 0.00 | 44.15 -0.97 0.00 | 39.28 -1.11 0.00 | 41.78 -1.15 0.00 | 46.81 -1.42 0.00 | 54.34 -1.53 0.00 | 49.21 -1.18 0.00 | 41.54 -0.84 0.00 | 52.09 -1.26 0.00 | 48.35 -1.37 0.00 | 33.16 -0.97 0.00 | 28.01 -1.21 0.00 |
| HARDSCRABBLE_WT_PWR 323673 | 36.48 -0.13 0.00 | 28.99 -0.14 0.00 | 28.33 -0.26 0.49 | 28.30 -0.27 0.30 | 27.99 -0.26 1.05 | 33.46 -0.38 0.00 | 38.52 -0.45 0.00 | 34.32 -0.16 0.00 | 33.76 -0.21 0.00 | 42.48 -0.61 0.00 | 44.33 -0.90 0.00 | 41.73 -1.01 0.00 | 49.11 -1.12 0.00 | 44.36 -0.76 0.00 | 39.87 -0.52 0.00 | 42.52 -0.40 0.00 | 47.50 -0.73 0.00 | 55.02 -0.85 0.00 | 49.77 -0.62 0.00 | 41.99 -0.40 0.00 | 52.59 -0.75 0.00 | 49.05 -0.67 0.00 | 33.66 -0.47 0.00 | 28.95 -0.27 0.00 |
| HARRIMAN_69_KV_BK771_REV_LBMP_G 345025 | 38.00 1.39 0.00 | 30.14 1.01 0.00 | 29.41 0.86 0.53 | 29.46 0.91 0.33 | 29.08 0.92 1.14 | 34.88 1.03 0.00 | 40.24 1.28 0.00 | 35.77 1.29 0.00 | 35.29 1.32 0.00 | 44.67 1.58 0.00 | 46.97 1.74 0.00 | 44.53 1.79 0.00 | 52.22 1.99 0.00 | 47.12 2.00 0.00 | 42.50 2.11 0.00 | 45.18 2.25 0.00 | 50.45 2.22 0.00 | 58.32 2.45 0.00 | 52.63 2.24 0.00 | 44.20 1.82 0.00 | 55.58 2.24 0.00 | 51.85 2.13 0.00 | 35.73 1.60 0.00 | 30.70 1.48 0.00 |
| HARSNRAD_115KV_TB1 81005 | 33.73 -2.88 0.00 | 26.70 -2.44 0.00 | 24.07 -2.58 2.44 | 24.86 -2.52 1.49 | 21.63 -2.46 5.21 | 31.40 -2.45 0.00 | 35.92 -3.04 0.00 | 30.90 -3.59 0.00 | 30.97 -3.00 0.00 | 35.42 -3.75 3.92 | 34.15 -3.65 7.43 | 38.66 -3.97 0.11 | 42.77 -4.65 2.81 | 32.44 -3.86 8.82 | 25.55 -2.88 11.96 | 27.35 -3.08 12.49 | 31.37 -3.55 13.32 | 30.66 -4.82 20.38 | 30.58 -4.08 15.72 | 30.78 -3.38 8.22 | 35.46 -4.27 13.61 | 35.79 -4.21 9.72 | 28.73 -2.88 2.51 | 24.47 -2.43 2.32 |
| HARZA MOOSE___RIVER 24016 | 36.83 0.22 0.00 | 29.24 0.11 0.00 | 27.27 -0.01 1.82 | 27.82 0.06 1.11 | 25.49 0.07 3.87 | 34.04 0.19 0.00 | 39.27 0.31 0.00 | 34.75 0.27 0.00 | 34.09 0.11 0.00 | 43.05 -0.04 0.00 | 44.97 -0.26 0.00 | 42.30 -0.45 0.00 | 49.97 -0.26 0.00 | 45.00 -0.12 0.00 | 40.39 0.00 0.00 | 42.81 -0.12 0.00 | 47.79 -0.43 0.00 | 55.39 -0.48 0.00 | 50.18 -0.20 0.00 | 42.30 -0.08 0.00 | 52.96 -0.38 0.00 | 49.13 -0.59 0.00 | 33.64 -0.49 0.00 | 28.53 -0.69 0.00 |
| HDSNBRDG_115KV_BRDG_TB1 355580 | 35.56 -1.05 0.00 | 28.20 -0.93 0.00 | 23.06 -1.01 5.01 | 24.80 -1.01 3.07 | 17.60 -1.01 10.69 | 32.85 -1.00 0.00 | 37.85 -1.12 0.00 | 33.43 -1.05 0.00 | 33.10 -0.87 0.00 | 41.85 -1.25 0.00 | 43.96 -1.27 0.00 | 41.46 -1.28 0.00 | 48.68 -1.55 0.00 | 43.82 -1.30 0.00 | 39.42 -0.98 0.00 | 41.87 -1.06 0.00 | 46.91 -1.32 0.00 | 54.19 -1.69 0.00 | 48.94 -1.44 0.00 | 41.16 -1.22 0.00 | 51.88 -1.46 0.00 | 48.30 -1.42 0.00 | 33.09 -1.03 0.00 | 28.34 -0.88 0.00 |
| HELLGATE_13_KV_LD 55870 | 38.32 1.71 0.00 | 30.46 1.33 0.00 | 29.74 1.17 0.50 | 29.78 1.22 0.31 | 29.45 1.22 1.07 | 35.21 1.36 0.00 | 40.67 1.70 0.00 | 36.26 1.77 0.00 | 35.79 1.82 0.00 | 45.10 2.01 0.00 | 47.46 2.23 0.00 | 45.06 2.32 0.00 | 52.85 2.62 0.00 | 47.68 2.56 0.00 | 43.08 2.69 0.00 | 45.73 2.81 0.00 | 50.97 2.74 0.00 | 58.84 2.97 0.00 | 53.03 2.65 0.00 | 44.51 2.13 0.00 | 55.91 2.57 0.00 | 52.28 2.56 0.00 | 36.06 1.94 0.00 | 31.02 1.81 0.00 |
| HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018 | 38.32 1.71 0.00 | 30.46 1.33 0.00 | 29.74 1.17 0.50 | 29.78 1.22 0.31 | 29.45 1.22 1.07 | 35.21 1.36 0.00 | 40.67 1.70 0.00 | 36.26 1.77 0.00 | 35.79 1.82 0.00 | 45.10 2.01 0.00 | 47.46 2.23 0.00 | 45.06 2.32 0.00 | 52.85 2.62 0.00 | 47.68 2.56 0.00 | 43.08 2.69 0.00 | 45.73 2.81 0.00 | 50.97 2.74 0.00 | 58.84 2.97 0.00 | 53.03 2.65 0.00 | 44.51 2.13 0.00 | 55.91 2.57 0.00 | 52.28 2.56 0.00 | 36.06 1.94 0.00 | 31.02 1.81 0.00 |
| HEMPSTEAD____ 23647 | 43.60 1.84 -5.15 | 36.72 1.28 -6.30 | 35.28 1.18 -5.01 | 35.50 1.25 -5.37 | 34.85 1.32 -4.23 | 44.28 1.53 -8.90 | 49.16 1.85 -8.35 | 49.05 1.82 -12.74 | 55.12 1.80 -19.34 | 63.52 2.18 -18.25 | 69.59 2.35 -22.01 | 57.60 2.42 -12.43 | 181.59 2.67 -128.69 | 62.50 2.45 -14.94 | 104.90 2.69 -61.82 | 61.69 2.74 -16.02 | 50.82 2.59 0.00 | 58.57 2.70 0.00 | 52.95 2.56 0.00 | 44.46 2.07 0.00 | 55.77 2.43 0.00 | 55.76 2.49 -3.55 | 86.87 2.06 -50.70 | 38.68 1.87 -7.59 |
| HICKLING___1 23621 | 35.58 -1.03 0.00 | 28.06 -1.08 0.00 | 24.96 -1.22 2.91 | 25.87 -1.22 1.78 | 21.83 -1.26 6.21 | 32.77 -1.08 0.00 | 37.59 -1.37 0.00 | 32.96 -1.52 0.00 | 32.89 -1.08 0.00 | 44.65 -1.66 -3.22 | 49.69 -1.65 -6.10 | 40.98 -1.86 -0.09 | 46.99 -2.40 0.84 | 50.25 -2.10 -7.24 | 48.59 -1.63 -9.82 | 51.46 -1.72 -10.26 | 57.19 -1.98 -10.94 | 38.07 -2.69 15.10 | 49.70 -2.22 -1.54 | 35.74 -1.89 4.75 | 62.48 -2.04 -11.18 | 55.59 -2.11 -7.98 | 31.55 -1.58 0.99 | 29.85 -1.28 -1.91 |
| HICKLING___2 23622 | 35.58 -1.03 0.00 | 28.06 -1.08 0.00 | 24.96 -1.22 2.91 | 25.87 -1.22 1.78 | 21.83 -1.26 6.21 | 32.77 -1.08 0.00 | 37.59 -1.37 0.00 | 32.96 -1.52 0.00 | 32.89 -1.08 0.00 | 44.65 -1.66 -3.22 | 49.69 -1.65 -6.10 | 40.98 -1.86 -0.09 | 46.99 -2.40 0.84 | 50.25 -2.10 -7.24 | 48.59 -1.63 -9.82 | 51.46 -1.72 -10.26 | 57.19 -1.98 -10.94 | 38.07 -2.69 15.10 | 49.70 -2.22 -1.54 | 35.74 -1.89 4.75 | 62.48 -2.04 -11.18 | 55.59 -2.11 -7.98 | 31.55 -1.58 0.99 | 29.85 -1.28 -1.91 |
| HIGH FALLS___HY 23754 | 38.44 1.83 0.00 | 30.49 1.36 0.00 | 29.77 1.20 0.51 | 29.81 1.25 0.31 | 29.49 1.27 1.08 | 35.32 1.47 0.00 | 40.79 1.83 0.00 | 36.29 1.81 0.00 | 35.89 1.92 0.00 | 45.45 2.36 0.00 | 47.77 2.54 0.00 | 45.27 2.53 0.00 | 53.10 2.87 0.00 | 47.94 2.82 0.00 | 43.24 2.85 0.00 | 45.94 3.01 0.00 | 51.31 3.08 0.00 | 59.31 3.43 0.00 | 53.53 3.15 0.00 | 44.96 2.58 0.00 | 56.53 3.19 0.00 | 52.64 2.92 0.00 | 36.29 2.17 0.00 | 31.13 1.91 0.00 |
| HIGH_RIVER___SOLAR 323847 | 37.55 0.94 0.00 | 29.85 0.72 0.00 | 29.40 0.70 0.39 | 29.33 0.69 0.24 | 29.19 0.72 0.83 | 34.70 0.85 0.00 | 39.99 1.03 0.00 | 35.57 1.09 0.00 | 34.83 0.85 0.00 | 43.87 0.78 0.00 | 45.86 0.64 0.00 | 42.97 0.23 0.00 | 50.98 0.75 0.00 | 46.07 0.96 0.00 | 41.14 0.75 0.00 | 43.84 0.91 0.00 | 49.06 0.83 0.00 | 57.12 1.25 0.00 | 51.86 1.48 0.00 | 43.80 1.42 0.00 | 55.51 2.17 0.00 | 51.73 2.02 0.00 | 35.41 1.29 0.00 | 30.23 1.01 0.00 |
| HILLBURN___GT 23639 | 38.00 1.39 0.00 | 30.13 1.00 0.00 | 29.41 0.85 0.53 | 29.46 0.90 0.32 | 29.09 0.91 1.13 | 34.87 1.02 0.00 | 40.22 1.26 0.00 | 35.74 1.26 0.00 | 35.25 1.28 0.00 | 44.60 1.51 0.00 | 46.90 1.68 0.00 | 44.50 1.76 0.00 | 52.15 1.92 0.00 | 47.07 1.96 0.00 | 42.48 2.09 0.00 | 45.15 2.23 0.00 | 50.40 2.17 0.00 | 58.24 2.37 0.00 | 52.55 2.17 0.00 | 44.15 1.76 0.00 | 55.50 2.16 0.00 | 51.81 2.10 0.00 | 35.71 1.59 0.00 | 30.71 1.49 0.00 |
| HILLSIDE_115KV_TB1 80332 | 35.31 -1.31 0.00 | 27.86 -1.27 0.00 | 24.76 -1.41 2.91 | 25.67 -1.43 1.78 | 21.62 -1.46 6.21 | 32.47 -1.38 0.00 | 37.22 -1.75 0.00 | 32.73 -1.75 0.00 | 32.71 -1.27 0.00 | 43.36 -1.89 -2.16 | 47.43 -1.90 -4.09 | 40.76 -2.04 -0.06 | 46.42 -2.64 1.17 | 47.69 -2.28 -4.85 | 45.15 -1.83 -6.59 | 47.86 -1.95 -6.89 | 53.28 -2.29 -7.34 | 36.57 -3.10 16.20 | 46.71 -2.58 1.10 | 34.84 -2.20 5.34 | 58.44 -2.41 -7.50 | 52.71 -2.37 -5.36 | 31.16 -1.73 1.23 | 29.17 -1.34 -1.28 |

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|-------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|-------------------------|-------------------------|
| HISHELDN_WT_PWR 323625 | 34.04 -2.57 0.00 | 26.87 -2.26 0.00 | 24.13 -2.40 2.55 | 24.96 -2.36 1.56 | 21.46 -2.40 5.44 | 31.50 -2.35 0.00 | 36.10 -2.87 0.00 | 31.26 -3.22 0.00 | 31.24 -2.73 0.01 | 26.05 -3.69 13.35 | 16.26 -3.67 25.30 | 38.53 -3.83 0.38 | 37.59 -4.60 8.04 | 11.11 -4.00 30.01 | -3.46 -3.14 40.71 | -2.95 -3.34 42.54 | -0.93 -3.82 45.34 | -3.20 -5.02 54.06 | -1.97 -4.24 48.11 | 16.33 -3.56 22.49 | 2.87 -4.13 46.34 | 12.52 -4.11 33.09 | 24.11 -2.92 7.09 | 18.85 -2.46 7.91 |
| HOLTSVILLE_IC_1 23690 | 35.63 2.20 3.18 | 26.78 1.53 3.89 | 26.66 1.48 3.90 | 26.63 1.57 3.81 | 26.62 1.66 4.34 | 31.72 1.96 4.08 | 37.74 2.38 3.61 | 35.15 2.18 1.51 | 39.08 2.14 -2.96 | 47.17 2.80 -1.27 | 47.05 2.99 1.17 | 45.69 3.02 0.08 | 47.36 3.24 6.11 | 50.17 3.10 -1.96 | 47.98 3.32 -4.26 | 49.15 3.42 -2.81 | 51.46 3.23 0.00 | 59.36 3.49 0.00 | 53.74 3.35 0.00 | 45.01 2.63 0.00 | 56.29 2.95 0.00 | 51.45 3.14 1.41 | 31.76 2.43 4.80 | 30.16 2.17 1.22 |
| HOLTSVILLE_IC_10 23699 | 36.02 2.36 2.95 | 27.17 1.65 3.61 | 27.02 1.59 3.66 | 26.99 1.68 3.56 | 26.97 1.78 4.11 | 32.21 2.11 3.75 | 38.22 2.55 3.30 | 35.59 2.27 1.16 | 39.57 2.25 -3.35 | 47.71 2.93 -1.68 | 47.76 3.14 0.61 | 46.14 3.17 -0.23 | 50.77 3.41 2.88 | 50.75 3.36 -2.27 | 49.55 3.55 -5.61 | 49.72 3.67 -3.13 | 51.75 3.52 0.00 | 59.69 3.83 0.00 | 54.05 3.67 0.00 | 45.28 2.89 0.00 | 56.62 3.27 0.00 | 51.86 3.44 1.30 | 33.19 2.61 3.54 | 30.54 2.32 1.00 |
| HOLTSVILLE_IC_2 23691 | 35.63 2.20 3.18 | 26.78 1.53 3.89 | 26.66 1.48 3.90 | 26.63 1.57 3.81 | 26.62 1.66 4.34 | 31.72 1.96 4.08 | 37.74 2.38 3.61 | 35.15 2.18 1.51 | 39.08 2.14 -2.96 | 47.17 2.80 -1.27 | 47.05 2.99 1.17 | 45.69 3.02 0.08 | 47.36 3.24 6.11 | 50.17 3.10 -1.96 | 47.98 3.32 -4.26 | 49.15 3.42 -2.81 | 51.46 3.23 0.00 | 59.36 3.49 0.00 | 53.74 3.35 0.00 | 45.01 2.63 0.00 | 56.29 2.95 0.00 | 51.45 3.14 1.41 | 31.76 2.43 4.80 | 30.16 2.17 1.22 |
| HOLTSVILLE_IC_3 23692 | 35.63 2.20 3.18 | 26.78 1.53 3.89 | 26.66 1.48 3.90 | 26.63 1.57 3.81 | 26.62 1.66 4.34 | 31.72 1.96 4.08 | 37.74 2.38 3.61 | 35.15 2.18 1.51 | 39.08 2.14 -2.96 | 47.17 2.80 -1.27 | 47.05 2.99 1.17 | 45.69 3.02 0.08 | 47.36 3.24 6.11 | 50.17 3.10 -1.96 | 47.98 3.32 -4.26 | 49.15 3.42 -2.81 | 51.46 3.23 0.00 | 59.36 3.49 0.00 | 53.74 3.35 0.00 | 45.01 2.63 0.00 | 56.29 2.95 0.00 | 51.45 3.14 1.41 | 31.76 2.43 4.80 | 30.16 2.17 1.22 |
| HOLTSVILLE_IC_4 23693 | 35.63 2.20 3.18 | 26.78 1.53 3.89 | 26.66 1.48 3.90 | 26.63 1.57 3.81 | 26.62 1.66 4.34 | 31.72 1.96 4.08 | 37.74 2.38 3.61 | 35.15 2.18 1.51 | 39.08 2.14 -2.96 | 47.17 2.80 -1.27 | 47.05 2.99 1.17 | 45.69 3.02 0.08 | 47.36 3.24 6.11 | 50.17 3.10 -1.96 | 47.98 3.32 -4.26 | 49.15 3.42 -2.81 | 51.46 3.23 0.00 | 59.36 3.49 0.00 | 53.74 3.35 0.00 | 45.01 2.63 0.00 | 56.29 2.95 0.00 | 51.45 3.14 1.41 | 31.76 2.43 4.80 | 30.16 2.17 1.22 |
| HOLTSVILLE_IC_5 23694 | 35.63 2.20 3.18 | 26.78 1.53 3.89 | 26.66 1.48 3.90 | 26.63 1.57 3.81 | 26.62 1.66 4.34 | 31.72 1.96 4.08 | 37.74 2.38 3.61 | 35.15 2.18 1.51 | 39.08 2.14 -2.96 | 47.17 2.80 -1.27 | 47.05 2.99 1.17 | 45.69 3.02 0.08 | 47.36 3.24 6.11 | 50.17 3.10 -1.96 | 47.98 3.32 -4.26 | 49.15 3.42 -2.81 | 51.46 3.23 0.00 | 59.36 3.49 0.00 | 53.74 3.35 0.00 | 45.01 2.63 0.00 | 56.29 2.95 0.00 | 51.45 3.14 1.41 | 31.76 2.43 4.80 | 30.16 2.17 1.22 |
| HOLTSVILLE_IC_6 23695 | 36.02 2.36 2.95 | 27.17 1.65 3.61 | 27.02 1.59 3.66 | 26.99 1.68 3.56 | 26.97 1.78 4.11 | 32.21 2.11 3.75 | 38.22 2.55 3.30 | 35.59 2.27 1.16 | 39.57 2.25 -3.35 | 47.71 2.93 -1.68 | 47.76 3.14 0.61 | 46.14 3.17 -0.23 | 50.77 3.41 2.88 | 50.75 3.36 -2.27 | 49.55 3.55 -5.61 | 49.72 3.67 -3.13 | 51.75 3.52 0.00 | 59.69 3.83 0.00 | 54.05 3.67 0.00 | 45.28 2.89 0.00 | 56.62 3.27 0.00 | 51.86 3.44 1.30 | 33.19 2.61 3.54 | 30.54 2.32 1.00 |
| HOLTSVILLE_IC_7 23696 | 36.02 2.36 2.95 | 27.17 1.65 3.61 | 27.02 1.59 3.66 | 26.99 1.68 3.56 | 26.97 1.78 4.11 | 32.21 2.11 3.75 | 38.22 2.55 3.30 | 35.59 2.27 1.16 | 39.57 2.25 -3.35 | 47.71 2.93 -1.68 | 47.76 3.14 0.61 | 46.14 3.17 -0.23 | 50.77 3.41 2.88 | 50.75 3.36 -2.27 | 49.55 3.55 -5.61 | 49.72 3.67 -3.13 | 51.75 3.52 0.00 | 59.69 3.83 0.00 | 54.05 3.67 0.00 | 45.28 2.89 0.00 | 56.62 3.27 0.00 | 51.86 3.44 1.30 | 33.19 2.61 3.54 | 30.54 2.32 1.00 |
| HOLTSVILLE_IC_8 23697 | 36.02 2.36 2.95 | 27.17 1.65 3.61 | 27.02 1.59 3.66 | 26.99 1.68 3.56 | 26.97 1.78 4.11 | 32.21 2.11 3.75 | 38.22 2.55 3.30 | 35.59 2.27 1.16 | 39.57 2.25 -3.35 | 47.71 2.93 -1.68 | 47.76 3.14 0.61 | 46.14 3.17 -0.23 | 50.77 3.41 2.88 | 50.75 3.36 -2.27 | 49.55 3.55 -5.61 | 49.72 3.67 -3.13 | 51.75 3.52 0.00 | 59.69 3.83 0.00 | 54.05 3.67 0.00 | 45.28 2.89 0.00 | 56.62 3.27 0.00 | 51.86 3.44 1.30 | 33.19 2.61 3.54 | 30.54 2.32 1.00 |
| HOLTSVILLE_IC_9 23698 | 36.02 2.36 2.95 | 27.17 1.65 3.61 | 27.02 1.59 3.66 | 26.99 1.68 3.56 | 26.97 1.78 4.11 | 32.21 2.11 3.75 | 38.22 2.55 3.30 | 35.59 2.27 1.16 | 39.57 2.25 -3.35 | 47.71 2.93 -1.68 | 47.76 3.14 0.61 | 46.14 3.17 -0.23 | 50.77 3.41 2.88 | 50.75 3.36 -2.27 | 49.55 3.55 -5.61 | 49.72 3.67 -3.13 | 51.75 3.52 0.00 | 59.69 3.83 0.00 | 54.05 3.67 0.00 | 45.28 2.89 0.00 | 56.62 3.27 0.00 | 51.86 3.44 1.30 | 33.19 2.61 3.54 | 30.54 2.32 1.00 |
| HOMER_HL_115KV_TB2 355744 | 35.53 -1.08 0.00 | 28.03 -1.10 0.00 | 25.23 -1.29 2.57 | 26.09 -1.22 1.57 | 22.61 -1.21 5.48 | 32.81 -1.04 0.00 | 37.49 -1.48 0.00 | 32.61 -1.87 0.00 | 32.73 -1.24 0.00 | 40.28 -1.61 1.21 | 41.50 -1.44 2.30 | 40.80 -1.91 0.03 | 45.79 -2.65 1.79 | 39.98 -2.41 2.73 | 35.04 -1.66 3.69 | 37.26 -1.80 3.86 | 41.97 -2.15 4.11 | 37.06 -3.17 15.65 | 39.72 -2.49 8.17 | 34.36 -2.13 5.89 | 46.79 -2.34 4.20 | 44.48 -2.24 3.00 | 30.95 -1.50 1.66 | 27.44 -1.06 0.72 |
| HOWARD_WT_PWR 323690 | 34.54 -2.06 0.00 | 27.14 -1.99 0.00 | 24.23 -2.03 2.83 | 25.14 -2.01 1.73 | 21.06 -2.21 6.03 | 31.72 -2.13 0.00 | 36.39 -2.57 0.00 | 31.59 -2.89 0.00 | 31.32 -2.66 -0.01 | 54.56 -3.71 -15.18 | 69.88 -4.12 -28.77 | 38.89 -4.29 -0.43 | 50.53 -5.14 -5.45 | 74.76 -4.48 -34.13 | 82.97 -3.73 -46.30 | 87.37 -3.94 -48.38 | 95.43 -4.36 -51.56 | 74.53 -5.46 -24.12 | 87.13 -4.59 -41.34 | 50.56 -3.88 -12.06 | 101.80 -4.24 -52.70 | 82.81 -4.53 -37.63 | 35.38 -3.23 -4.48 | 35.46 -2.76 -8.99 |
| HQ_GEN_CEDARS 23644 | 36.84 0.22 0.00 | 29.34 0.21 0.00 | 28.86 0.30 0.53 | 28.84 0.29 0.32 | 28.43 0.27 1.13 | 34.23 0.38 0.00 | 39.41 0.45 0.00 | 34.70 0.21 0.00 | 34.17 0.20 0.00 | 43.73 0.64 0.00 | 45.47 0.24 0.00 | 43.01 0.27 0.00 | 51.03 0.80 0.00 | 45.56 0.44 0.00 | 40.25 -0.14 0.00 | 42.84 -0.09 0.00 | 48.43 0.20 0.00 | 56.21 0.34 0.00 | 50.72 0.34 0.00 | 42.71 0.33 0.00 | 53.80 0.46 0.00 | 50.03 0.31 0.00 | 34.27 0.15 0.00 | 29.13 -0.09 0.00 |
| HQ_GEN_CEDARS_PROXY 323590 | 36.84 0.23 0.00 | 29.34 0.21 0.00 | 28.86 0.30 0.53 | 28.85 0.29 0.32 | 28.43 0.26 1.13 | 34.23 0.38 0.00 | 39.41 0.45 0.00 | 34.70 0.22 0.00 | 34.17 0.20 0.00 | 43.72 0.63 0.00 | 45.47 0.24 0.00 | 43.01 0.27 0.00 | 51.03 0.80 0.00 | 45.56 0.44 0.00 | 40.25 -0.14 0.00 | 42.84 -0.09 0.00 | 48.42 0.19 0.00 | 56.21 0.34 0.00 | 50.73 0.34 0.00 | 42.71 0.33 0.00 | 53.80 0.46 0.00 | 50.03 0.31 0.00 | 34.27 0.15 0.00 | 29.13 -0.09 0.00 |

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| HQ_GEN_IMPORT 323601 | 36.75 0.13 0.00 | 29.27 0.14 0.00 | 29.29 0.20 0.00 | 29.07 0.19 0.00 | 29.49 0.18 0.00 | 34.05 0.20 0.00 | 39.18 0.22 0.00 | 34.62 0.14 0.00 | 34.03 0.13 0.08 | 43.38 0.29 0.00 | 45.48 0.25 0.00 | 43.00 0.25 0.00 | 50.60 0.37 0.00 | 45.29 0.17 0.00 | 40.34 -0.05 0.00 | 42.91 -0.01 0.00 | 48.48 0.25 0.00 | 56.21 0.35 0.00 | 55.28 0.30 -4.60 | 42.63 0.25 0.00 | 53.66 0.32 0.00 | 50.45 0.26 -0.47 | 34.24 0.12 0.00 | 29.23 0.01 0.00 |
| HQ_GEN_WHEEL 23651 | 36.75 0.13 0.00 | 29.27 0.14 0.00 | 29.29 0.20 0.00 | 29.07 0.19 0.00 | 29.49 0.18 0.00 | 34.05 0.20 0.00 | 39.18 0.22 0.00 | 34.62 0.14 0.00 | 34.03 0.13 0.08 | 43.38 0.29 0.00 | 45.48 0.25 0.00 | 43.00 0.25 0.00 | 50.60 0.37 0.00 | 45.29 0.17 0.00 | 40.34 -0.05 0.00 | 42.91 -0.01 0.00 | 48.48 0.25 0.00 | 56.21 0.35 0.00 | 55.28 0.30 -4.60 | 42.63 0.25 0.00 | 53.66 0.32 0.00 | 50.45 0.26 -0.47 | 34.24 0.12 0.00 | 29.23 0.01 0.00 |
| HUDSON AVE_GT_3 23810 | 38.16 1.55 0.00 | 30.28 1.15 0.00 | 29.58 1.00 0.50 | 29.61 1.04 0.31 | 29.28 1.05 1.07 | 35.01 1.16 0.00 | 40.43 1.46 0.00 | 35.99 1.51 0.00 | 35.55 1.57 0.00 | 44.92 1.83 0.00 | 47.21 1.98 0.00 | 44.79 2.05 0.00 | 52.49 2.26 0.00 | 47.42 2.31 0.00 | 42.82 2.42 0.00 | 45.48 2.56 0.00 | 50.70 2.47 0.00 | 58.54 2.67 0.00 | 52.79 2.40 0.00 | 44.32 1.94 0.00 | 55.65 2.31 0.00 | 52.06 2.34 0.00 | 35.92 1.80 0.00 | 30.89 1.67 0.00 |
| HUDSON AVE_GT_4 23540 | 38.16 1.55 0.00 | 30.28 1.15 0.00 | 29.58 1.00 0.50 | 29.61 1.04 0.31 | 29.28 1.05 1.07 | 35.01 1.16 0.00 | 40.43 1.46 0.00 | 35.99 1.51 0.00 | 35.55 1.57 0.00 | 44.92 1.83 0.00 | 47.21 1.98 0.00 | 44.79 2.05 0.00 | 52.49 2.26 0.00 | 47.42 2.31 0.00 | 42.82 2.42 0.00 | 45.48 2.56 0.00 | 50.70 2.47 0.00 | 58.54 2.67 0.00 | 52.79 2.40 0.00 | 44.32 1.94 0.00 | 55.65 2.31 0.00 | 52.06 2.34 0.00 | 35.92 1.80 0.00 | 30.89 1.67 0.00 |
| HUDSON AVE_GT_5 23657 | 38.16 1.55 0.00 | 30.28 1.15 0.00 | 29.58 1.00 0.50 | 29.61 1.04 0.31 | 29.28 1.05 1.07 | 35.01 1.16 0.00 | 40.43 1.46 0.00 | 35.99 1.51 0.00 | 35.55 1.57 0.00 | 44.92 1.83 0.00 | 47.21 1.98 0.00 | 44.79 2.05 0.00 | 52.49 2.26 0.00 | 47.42 2.31 0.00 | 42.82 2.42 0.00 | 45.48 2.56 0.00 | 50.70 2.47 0.00 | 58.54 2.67 0.00 | 52.79 2.40 0.00 | 44.32 1.94 0.00 | 55.65 2.31 0.00 | 52.06 2.34 0.00 | 35.92 1.80 0.00 | 30.89 1.67 0.00 |
| HUDSON_AVE_10 24168 | 37.98 1.37 0.00 | 30.15 1.01 0.00 | 29.44 0.85 0.50 | 29.47 0.90 0.31 | 29.15 0.92 1.07 | 34.85 1.00 0.00 | 40.23 1.26 -0.01 | 35.88 1.33 -0.07 | 35.56 1.38 -0.20 | 44.91 1.58 -0.24 | 47.36 1.73 -0.40 | 44.93 1.85 -0.34 | 59.52 2.01 -7.28 | 47.20 2.08 0.00 | 45.07 2.21 -2.47 | 45.25 2.33 0.00 | 50.44 2.21 0.00 | 58.26 2.39 0.00 | 52.52 2.13 0.00 | 44.09 1.71 0.00 | 55.35 2.02 0.01 | 52.57 2.07 -0.78 | 40.97 1.61 -5.23 | 30.74 1.52 0.00 |
| HUDSON___115KV_TB 4 355613 | 37.30 0.69 0.00 | 29.74 0.61 0.00 | 29.33 0.62 0.37 | 29.26 0.62 0.23 | 29.15 0.65 0.80 | 34.57 0.72 0.00 | 39.85 0.89 0.00 | 35.40 0.92 0.00 | 34.67 0.70 0.00 | 43.84 0.75 0.00 | 46.07 0.84 0.00 | 43.53 0.79 0.00 | 51.08 0.85 0.00 | 46.03 0.91 0.00 | 41.33 0.93 0.00 | 43.91 0.99 0.00 | 49.04 0.81 0.00 | 56.96 1.09 0.00 | 51.43 1.04 0.00 | 43.36 0.98 0.00 | 54.59 1.25 0.00 | 50.90 1.19 0.00 | 34.95 0.83 0.00 | 30.03 0.82 0.00 |
| HUNTER MOUNT___DRP 323613 | 37.41 0.80 0.00 | 29.83 0.69 0.00 | 29.40 0.70 0.39 | 29.34 0.70 0.24 | 29.21 0.74 0.84 | 34.69 0.84 0.00 | 40.02 1.05 0.00 | 35.57 1.08 0.00 | 34.83 0.85 0.00 | 44.03 0.93 0.00 | 46.27 1.04 0.00 | 43.68 0.94 0.00 | 51.31 1.08 0.00 | 46.23 1.11 0.00 | 41.52 1.12 0.00 | 44.08 1.16 0.00 | 49.23 1.00 0.00 | 57.21 1.35 0.00 | 51.68 1.29 0.00 | 43.56 1.18 0.00 | 54.84 1.50 0.00 | 51.12 1.40 0.00 | 35.09 0.97 0.00 | 30.13 0.91 0.00 |
| HUNTINGTON_RES_REC 323705 | 35.83 2.11 2.89 | 27.06 1.46 3.53 | 26.89 1.40 3.60 | 26.86 1.48 3.49 | 26.83 1.57 4.05 | 32.04 1.84 3.65 | 37.99 2.24 3.21 | 35.51 2.07 1.04 | 39.51 2.04 -3.49 | 47.54 2.63 -1.82 | 47.58 2.77 0.42 | 45.93 2.86 -0.33 | 51.54 3.08 1.77 | 50.39 2.89 -2.38 | 49.57 3.08 -6.10 | 49.32 3.15 -3.24 | 51.20 2.97 0.00 | 59.07 3.20 0.00 | 53.49 3.11 0.00 | 44.84 2.46 0.00 | 56.11 2.77 0.00 | 51.37 2.91 1.26 | 33.34 2.30 3.08 | 30.38 2.09 0.93 |
| HUNTLEY___63 23557 | 34.05 -2.56 0.00 | 26.93 -2.20 0.00 | 24.28 -2.37 2.45 | 25.07 -2.31 1.50 | 21.80 -2.28 5.22 | 31.60 -2.25 0.00 | 36.17 -2.80 0.00 | 31.19 -3.29 0.00 | 31.31 -2.67 0.00 | 35.43 -3.46 4.20 | 33.93 -3.34 7.97 | 39.06 -3.56 0.12 | 43.01 -4.22 3.00 | 32.22 -3.45 9.45 | 25.03 -2.54 12.82 | 26.80 -2.73 13.40 | 30.77 -3.18 14.28 | 29.68 -4.41 21.78 | 29.85 -3.70 16.83 | 30.55 -3.05 8.78 | 34.79 -3.96 14.59 | 35.40 -3.90 10.42 | 28.81 -2.62 2.68 | 24.52 -2.21 2.49 |
| HUNTLEY___64 23558 | 34.05 -2.56 0.00 | 26.93 -2.20 0.00 | 24.28 -2.37 2.45 | 25.07 -2.31 1.50 | 21.80 -2.28 5.22 | 31.60 -2.25 0.00 | 36.17 -2.80 0.00 | 31.19 -3.29 0.00 | 31.31 -2.67 0.00 | 35.43 -3.46 4.20 | 33.93 -3.34 7.97 | 39.06 -3.56 0.12 | 43.01 -4.22 3.00 | 32.22 -3.45 9.45 | 25.03 -2.54 12.82 | 26.80 -2.73 13.40 | 30.77 -3.18 14.28 | 29.68 -4.41 21.78 | 29.85 -3.70 16.83 | 30.55 -3.05 8.78 | 34.79 -3.96 14.59 | 35.40 -3.90 10.42 | 28.81 -2.62 2.68 | 24.52 -2.21 2.49 |
| HUNTLEY___65 23559 | 34.05 -2.56 0.00 | 26.93 -2.20 0.00 | 24.28 -2.37 2.45 | 25.07 -2.31 1.50 | 21.80 -2.28 5.22 | 31.60 -2.25 0.00 | 36.17 -2.80 0.00 | 31.19 -3.29 0.00 | 31.31 -2.67 0.00 | 35.43 -3.46 4.20 | 33.93 -3.34 7.97 | 39.06 -3.56 0.12 | 43.01 -4.22 3.00 | 32.22 -3.45 9.45 | 25.03 -2.54 12.82 | 26.80 -2.73 13.40 | 30.77 -3.18 14.28 | 29.68 -4.41 21.78 | 29.85 -3.70 16.83 | 30.55 -3.05 8.78 | 34.79 -3.96 14.59 | 35.40 -3.90 10.42 | 28.81 -2.62 2.68 | 24.52 -2.21 2.49 |
| HUNTLEY___66 23560 | 34.05 -2.56 0.00 | 26.93 -2.20 0.00 | 24.28 -2.37 2.45 | 25.07 -2.31 1.50 | 21.80 -2.28 5.22 | 31.60 -2.25 0.00 | 36.17 -2.80 0.00 | 31.19 -3.29 0.00 | 31.31 -2.67 0.00 | 35.43 -3.46 4.20 | 33.93 -3.34 7.97 | 39.06 -3.56 0.12 | 43.01 -4.22 3.00 | 32.22 -3.45 9.45 | 25.03 -2.54 12.82 | 26.80 -2.73 13.40 | 30.77 -3.18 14.28 | 29.68 -4.41 21.78 | 29.85 -3.70 16.83 | 30.55 -3.05 8.78 | 34.79 -3.96 14.59 | 35.40 -3.90 10.42 | 28.81 -2.62 2.68 | 24.52 -2.21 2.49 |
| HUNTLEY___67 23561 | 33.90 -2.71 0.00 | 26.81 -2.32 0.00 | 24.17 -2.47 2.45 | 24.96 -2.42 1.50 | 21.66 -2.43 5.22 | 31.45 -2.40 0.00 | 36.00 -2.97 0.00 | 31.06 -3.42 0.00 | 31.16 -2.81 0.00 | 34.52 -3.67 4.90 | 32.36 -3.58 9.28 | 38.84 -3.77 0.14 | 42.34 -4.50 3.40 | 30.28 -3.83 11.01 | 22.56 -2.89 14.94 | 24.22 -3.09 15.61 | 28.02 -3.57 16.64 | 26.66 -4.86 24.35 | 27.02 -4.12 19.25 | 29.10 -3.42 9.86 | 32.09 -4.25 17.01 | 33.43 -4.15 12.14 | 28.27 -2.82 3.03 | 23.92 -2.39 2.90 |
| HUNTLEY___68 23562 | 33.90 -2.71 0.00 | 26.81 -2.32 0.00 | 24.17 -2.47 2.45 | 24.96 -2.42 1.50 | 21.66 -2.43 5.22 | 31.45 -2.40 0.00 | 36.00 -2.97 0.00 | 31.06 -3.42 0.00 | 31.16 -2.81 0.00 | 34.52 -3.67 4.90 | 32.36 -3.58 9.28 | 38.84 -3.77 0.14 | 42.34 -4.50 3.40 | 30.28 -3.83 11.01 | 22.56 -2.89 14.94 | 24.22 -3.09 15.61 | 28.02 -3.57 16.64 | 26.66 -4.86 24.35 | 27.02 -4.12 19.25 | 29.10 -3.42 9.86 | 32.09 -4.25 17.01 | 33.43 -4.15 12.14 | 28.27 -2.82 3.03 | 23.92 -2.39 2.90 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|-------------------------|--------------------------|
| HYLAND___LFGE 323620 | 35.91 -0.70 0.00 | 28.33 -0.80 0.00 | 25.51 -0.93 2.65 | 26.36 -0.89 1.62 | 22.76 -0.90 5.64 | 33.28 -0.57 0.00 | 38.41 -0.55 0.00 | 33.50 -0.98 0.00 | 33.29 -0.70 -0.01 | 58.77 -1.21 -16.88 | 75.98 -1.25 -31.99 | 41.62 -1.60 -0.48 | 55.52 -2.12 -7.41 | 80.77 -2.30 -37.95 | 90.14 -1.75 -51.49 | 95.14 -1.59 -53.80 | 104.22 -1.35 -57.34 | 94.45 -1.98 -40.56 | 100.09 -1.24 -50.94 | 59.93 -0.89 -18.44 | 111.18 -0.76 -58.60 | 90.53 -1.04 -41.84 | 39.56 -0.88 -6.32 | 38.31 -0.91 -10.00 |
| INDECK___CORINTH 23802 | 37.93 1.32 0.00 | 30.26 1.13 0.00 | 29.88 1.14 0.34 | 29.74 1.07 0.21 | 29.68 1.12 0.73 | 35.13 1.28 0.00 | 40.69 1.73 0.00 | 36.20 1.72 0.00 | 35.47 1.49 0.00 | 44.92 1.83 0.00 | 47.25 2.02 0.00 | 44.60 1.86 0.00 | 52.26 2.03 0.00 | 47.05 1.93 0.00 | 42.14 1.75 0.00 | 44.84 1.92 0.00 | 50.15 1.92 0.00 | 58.42 2.54 0.00 | 52.80 2.42 0.00 | 44.55 2.16 0.00 | 56.31 2.97 0.00 | 52.41 2.69 0.00 | 35.81 1.68 0.00 | 30.73 1.51 0.00 |
| INDECK___ILION 23567 | 36.53 -0.08 0.00 | 29.06 -0.07 0.00 | 28.46 -0.13 0.49 | 28.43 -0.14 0.30 | 28.12 -0.13 1.05 | 33.66 -0.19 0.00 | 38.75 -0.21 0.00 | 34.43 -0.05 0.00 | 33.90 -0.08 0.00 | 42.79 -0.30 0.00 | 44.79 -0.44 0.00 | 42.25 -0.49 0.00 | 49.69 -0.54 0.00 | 44.78 -0.34 0.00 | 40.21 -0.19 0.00 | 42.79 -0.14 0.00 | 47.90 -0.33 0.00 | 55.48 -0.39 0.00 | 50.12 -0.26 0.00 | 42.22 -0.16 0.00 | 53.01 -0.33 0.00 | 49.43 -0.29 0.00 | 33.92 -0.21 0.00 | 29.13 -0.10 0.00 |
| INDECK___OLEAN 23982 | 35.53 -1.08 0.00 | 28.03 -1.10 0.00 | 25.23 -1.29 2.57 | 26.09 -1.21 1.57 | 22.60 -1.23 5.48 | 32.81 -1.04 0.00 | 37.48 -1.48 0.00 | 32.61 -1.87 0.00 | 32.73 -1.24 0.00 | 40.29 -1.59 1.21 | 41.53 -1.41 2.30 | 40.79 -1.92 0.03 | 45.79 -2.64 1.79 | 40.00 -2.40 2.73 | 35.05 -1.64 3.69 | 37.31 -1.76 3.86 | 41.99 -2.12 4.11 | 37.06 -3.16 15.65 | 39.75 -2.46 8.17 | 34.35 -2.14 5.89 | 46.82 -2.32 4.20 | 44.48 -2.24 3.00 | 30.96 -1.49 1.66 | 27.45 -1.05 0.72 |
| INDECK___OSWEGO 23783 | 34.90 -1.71 0.00 | 27.71 -1.43 0.00 | 21.45 -1.49 6.14 | 23.64 -1.48 3.76 | 14.71 -1.49 13.10 | 32.27 -1.58 0.00 | 37.18 -1.78 0.00 | 32.84 -1.64 0.00 | 32.44 -1.54 0.00 | 41.00 -2.09 0.00 | 43.04 -2.19 0.00 | 40.57 -2.17 0.00 | 47.69 -2.54 0.00 | 42.91 -2.20 0.00 | 38.59 -1.80 0.00 | 41.00 -1.93 0.00 | 45.92 -2.31 0.00 | 53.11 -2.76 0.00 | 47.98 -2.41 0.00 | 40.39 -1.99 0.00 | 50.85 -2.50 0.00 | 47.30 -2.41 0.00 | 32.43 -1.69 0.00 | 27.75 -1.47 0.00 |
| INDECK___YERKES 23781 | 34.10 -2.51 0.00 | 26.96 -2.17 0.00 | 24.30 -2.34 2.45 | 25.10 -2.28 1.50 | 21.83 -2.26 5.22 | 31.64 -2.21 0.00 | 36.20 -2.77 0.00 | 31.22 -3.26 0.00 | 31.34 -2.63 0.00 | 35.50 -3.39 4.20 | 34.00 -3.27 7.97 | 39.11 -3.52 0.12 | 43.07 -4.16 3.00 | 32.29 -3.38 9.45 | 25.10 -2.47 12.82 | 26.91 -2.62 13.40 | 30.85 -3.10 14.28 | 29.78 -4.31 21.78 | 29.95 -3.61 16.83 | 30.59 -3.01 8.78 | 34.89 -3.86 14.59 | 35.45 -3.85 10.42 | 28.86 -2.58 2.68 | 24.57 -2.16 2.49 |
| INDIAN POINT_GT_1 24139 | 37.92 1.30 0.00 | 30.09 0.95 0.00 | 29.39 0.81 0.51 | 29.42 0.86 0.31 | 29.09 0.87 1.08 | 34.81 0.96 0.00 | 40.15 1.19 0.00 | 35.70 1.22 0.00 | 35.23 1.25 0.00 | 44.57 1.47 0.00 | 46.83 1.60 0.00 | 44.42 1.68 0.00 | 52.09 1.85 0.00 | 47.01 1.89 0.00 | 42.40 2.01 0.00 | 45.08 2.15 0.00 | 50.29 2.06 0.00 | 58.11 2.24 0.00 | 52.42 2.03 0.00 | 44.04 1.66 0.00 | 55.33 1.99 0.00 | 51.69 1.98 0.00 | 35.64 1.52 0.00 | 30.65 1.43 0.00 |
| INDIAN POINT_GT_2 23659 | 37.92 1.30 0.00 | 30.09 0.95 0.00 | 29.39 0.81 0.51 | 29.42 0.86 0.31 | 29.09 0.87 1.08 | 34.81 0.96 0.00 | 40.15 1.19 0.00 | 35.70 1.22 0.00 | 35.23 1.25 0.00 | 44.57 1.47 0.00 | 46.83 1.60 0.00 | 44.42 1.68 0.00 | 52.09 1.85 0.00 | 47.01 1.89 0.00 | 42.40 2.01 0.00 | 45.08 2.15 0.00 | 50.29 2.06 0.00 | 58.11 2.24 0.00 | 52.42 2.03 0.00 | 44.04 1.66 0.00 | 55.33 1.99 0.00 | 51.69 1.98 0.00 | 35.64 1.52 0.00 | 30.65 1.43 0.00 |
| INDIAN POINT_GT_3 24019 | 37.92 1.30 0.00 | 30.09 0.95 0.00 | 29.39 0.81 0.51 | 29.42 0.86 0.31 | 29.09 0.87 1.08 | 34.81 0.96 0.00 | 40.15 1.19 0.00 | 35.70 1.22 0.00 | 35.23 1.25 0.00 | 44.57 1.47 0.00 | 46.83 1.60 0.00 | 44.42 1.68 0.00 | 52.09 1.85 0.00 | 47.01 1.89 0.00 | 42.40 2.01 0.00 | 45.08 2.15 0.00 | 50.29 2.06 0.00 | 58.11 2.24 0.00 | 52.42 2.03 0.00 | 44.04 1.66 0.00 | 55.33 1.99 0.00 | 51.69 1.98 0.00 | 35.64 1.52 0.00 | 30.65 1.43 0.00 |
| INDIAN POINT___2 23530 | 37.89 1.29 0.00 | 30.07 0.94 0.00 | 29.37 0.80 0.51 | 29.41 0.85 0.31 | 29.06 0.85 1.10 | 34.79 0.94 0.00 | 40.12 1.16 0.00 | 35.67 1.19 0.00 | 35.19 1.21 0.00 | 44.52 1.43 0.00 | 46.80 1.57 0.00 | 44.39 1.65 0.00 | 52.04 1.81 0.00 | 46.97 1.86 0.00 | 42.37 1.98 0.00 | 45.03 2.11 0.00 | 50.25 2.03 0.00 | 58.07 2.20 0.00 | 52.39 2.00 0.00 | 44.00 1.62 0.00 | 55.31 1.96 0.00 | 51.66 1.94 0.00 | 35.62 1.50 0.00 | 30.63 1.42 0.00 |
| INDIAN POINT___3 23531 | 37.90 1.29 0.00 | 30.08 0.95 0.00 | 29.38 0.80 0.51 | 29.42 0.86 0.31 | 29.08 0.86 1.08 | 34.80 0.95 0.00 | 40.15 1.18 0.00 | 35.68 1.20 0.00 | 35.21 1.23 0.00 | 44.53 1.44 0.00 | 46.81 1.58 0.00 | 44.40 1.66 0.00 | 52.05 1.82 0.00 | 46.98 1.86 0.00 | 42.39 2.00 0.00 | 45.04 2.12 0.00 | 50.26 2.03 0.00 | 58.07 2.21 0.00 | 52.39 2.00 0.00 | 44.00 1.62 0.00 | 55.31 1.97 0.00 | 51.67 1.95 0.00 | 35.62 1.50 0.00 | 30.64 1.42 0.00 |
| INGHAM_C_115KV_TB7 356103 | 36.42 -0.19 0.00 | 28.96 -0.17 0.00 | 28.33 -0.26 0.49 | 28.29 -0.28 0.30 | 27.99 -0.26 1.05 | 33.49 -0.36 0.00 | 38.54 -0.42 0.00 | 34.41 -0.07 0.00 | 33.82 -0.16 0.00 | 42.48 -0.61 0.00 | 44.28 -0.95 0.00 | 41.65 -1.09 0.00 | 49.12 -1.11 0.00 | 44.39 -0.72 0.00 | 39.92 -0.48 0.00 | 42.62 -0.31 0.00 | 47.57 -0.66 0.00 | 55.16 -0.71 0.00 | 49.94 -0.45 0.00 | 42.20 -0.18 0.00 | 52.79 -0.55 0.00 | 49.27 -0.45 0.00 | 33.80 -0.32 0.00 | 29.10 -0.12 0.00 |
| IP CORINTH___1 23988 | 37.93 1.32 0.00 | 30.26 1.13 0.00 | 29.88 1.14 0.34 | 29.74 1.07 0.21 | 29.68 1.12 0.73 | 35.13 1.28 0.00 | 40.70 1.73 0.00 | 36.20 1.72 0.00 | 35.46 1.49 0.00 | 44.92 1.83 0.00 | 47.25 2.02 0.00 | 44.60 1.86 0.00 | 52.26 2.03 0.00 | 47.05 1.94 0.00 | 42.14 1.75 0.00 | 44.84 1.92 0.00 | 50.15 1.92 0.00 | 58.41 2.54 0.00 | 52.81 2.42 0.00 | 44.55 2.17 0.00 | 56.31 2.97 0.00 | 52.41 2.70 0.00 | 35.81 1.68 0.00 | 30.73 1.51 0.00 |
| IP___TICONDEROGA 23804 | 39.13 2.52 0.00 | 31.75 2.62 0.00 | 31.05 2.30 0.34 | 30.51 1.85 0.21 | 30.49 1.92 0.73 | 35.93 2.08 0.00 | 42.21 3.25 0.00 | 37.89 3.41 0.00 | 36.84 2.86 0.00 | 46.32 3.23 0.00 | 49.05 3.82 0.00 | 46.18 3.44 0.00 | 53.93 3.70 0.00 | 48.11 2.99 0.00 | 42.99 2.60 0.00 | 45.73 2.81 0.00 | 50.89 2.66 0.00 | 59.89 4.02 0.00 | 54.43 4.04 0.00 | 46.27 3.89 0.00 | 59.32 5.97 0.00 | 54.66 4.94 0.00 | 36.96 2.83 0.00 | 31.84 2.62 0.00 |
| ISLIP_RES_REC 323679 | 36.30 2.49 2.80 | 27.45 1.74 3.43 | 27.27 1.68 3.50 | 27.25 1.77 3.40 | 27.22 1.87 3.96 | 32.54 2.21 3.52 | 38.56 2.69 3.10 | 35.96 2.40 0.92 | 39.98 2.40 -3.61 | 48.19 3.15 -1.95 | 48.39 3.39 0.23 | 46.57 3.39 -0.43 | 53.18 3.65 0.70 | 51.18 3.58 -2.48 | 50.65 3.74 -6.51 | 50.16 3.90 -3.34 | 51.97 3.75 0.00 | 59.96 4.09 0.00 | 54.31 3.93 0.00 | 45.49 3.10 0.00 | 56.87 3.53 0.00 | 52.13 3.64 1.23 | 34.17 2.74 2.69 | 30.79 2.43 0.85 |

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| JAMAICA__27_KV_LOAD 355505 | 38.10 1.49 0.00 | 30.23 1.09 0.00 | 29.51 0.93 0.50 | 29.54 0.97 0.31 | 29.23 1.01 1.07 | 34.93 1.08 0.00 | 40.34 1.36 -0.02 | 35.98 1.42 -0.08 | 35.69 1.44 -0.27 | 45.09 1.64 -0.35 | 47.57 1.77 -0.57 | 45.02 1.85 -0.43 | 61.39 1.98 -9.18 | 47.29 2.17 0.00 | 46.21 2.26 -3.55 | 45.32 2.40 0.00 | 50.54 2.31 0.00 | 58.41 2.54 0.00 | 52.64 2.25 0.00 | 44.19 1.81 0.00 | 55.47 2.13 0.01 | 53.02 2.18 -1.13 | 43.32 1.69 -7.52 | 30.80 1.58 0.00 |
| JANIS__SOLAR 323808 | 37.14 0.53 0.00 | 29.28 0.15 0.00 | 25.87 -0.01 3.21 | 26.98 0.06 1.96 | 22.54 0.07 6.84 | 34.18 0.33 0.00 | 39.40 0.43 0.00 | 34.69 0.21 0.00 | 34.47 0.49 0.00 | 44.69 0.39 -1.20 | 47.94 0.43 -2.28 | 42.82 0.05 -0.03 | 53.01 -0.18 -2.96 | 47.53 -0.30 -2.71 | 43.85 -0.21 -3.66 | 46.68 -0.08 -3.83 | 52.38 0.07 -4.08 | 83.66 -0.07 -27.86 | 63.29 0.04 -12.86 | 53.14 0.10 -10.65 | 57.58 0.07 -4.17 | 52.60 -0.10 -2.98 | 36.82 -0.23 -2.93 | 29.69 -0.24 -0.71 |
| JARVIS____ 23743 | 36.52 -0.08 0.00 | 29.05 -0.08 0.00 | 28.49 -0.10 0.49 | 28.48 -0.09 0.30 | 28.16 -0.09 1.05 | 33.72 -0.13 0.00 | 38.82 -0.14 0.00 | 34.38 -0.10 0.00 | 33.87 -0.10 0.00 | 42.92 -0.18 0.00 | 45.04 -0.19 0.00 | 42.56 -0.18 0.00 | 49.99 -0.25 0.00 | 44.98 -0.14 0.00 | 40.32 -0.07 0.00 | 42.84 -0.09 0.00 | 48.01 -0.22 0.00 | 55.61 -0.26 0.00 | 50.17 -0.21 0.00 | 42.19 -0.20 0.00 | 53.08 -0.26 0.00 | 49.48 -0.24 0.00 | 33.99 -0.14 0.00 | 29.14 -0.08 0.00 |
| JENNISON____1 23625 | 37.10 0.49 0.00 | 29.13 0.00 0.00 | 26.30 -0.31 2.48 | 27.13 -0.23 1.52 | 23.78 -0.24 5.29 | 33.78 -0.07 0.00 | 38.74 -0.23 0.00 | 34.23 -0.25 0.00 | 34.22 0.24 0.00 | 44.09 0.34 -0.65 | 46.74 0.27 -1.24 | 42.50 -0.26 -0.02 | 50.59 -0.49 -0.85 | 46.02 -0.56 -1.47 | 42.02 -0.36 -1.99 | 44.76 -0.25 -2.08 | 50.11 -0.34 -2.21 | 62.87 -0.58 -7.58 | 54.17 -0.62 -4.40 | 45.01 -0.55 -3.18 | 54.84 -0.77 -2.26 | 50.45 -0.88 -1.62 | 34.36 -0.67 -0.90 | 28.98 -0.63 -0.39 |
| JENNISON____2 23626 | 37.10 0.49 0.00 | 29.13 0.00 0.00 | 26.30 -0.31 2.48 | 27.13 -0.23 1.52 | 23.78 -0.24 5.29 | 33.78 -0.07 0.00 | 38.74 -0.23 0.00 | 34.23 -0.25 0.00 | 34.22 0.24 0.00 | 44.09 0.34 -0.65 | 46.74 0.27 -1.24 | 42.50 -0.26 -0.02 | 50.59 -0.49 -0.85 | 46.02 -0.56 -1.47 | 42.02 -0.36 -1.99 | 44.76 -0.25 -2.08 | 50.11 -0.34 -2.21 | 62.87 -0.58 -7.58 | 54.17 -0.62 -4.40 | 45.01 -0.55 -3.18 | 54.84 -0.77 -2.26 | 50.45 -0.88 -1.62 | 34.36 -0.67 -0.90 | 28.98 -0.63 -0.39 |
| JERICOHO_RISE_WT_PWR 323719 | 36.85 0.24 0.00 | 29.30 0.17 0.00 | 28.94 0.28 0.42 | 28.94 0.32 0.26 | 28.72 0.32 0.90 | 34.29 0.44 0.00 | 39.39 0.43 0.00 | 34.67 0.19 0.00 | 34.11 0.13 0.00 | 43.29 0.20 0.00 | 45.21 -0.02 0.00 | 42.83 0.08 0.00 | 50.56 0.34 0.00 | 45.22 0.11 0.00 | 40.19 -0.21 0.00 | 42.74 -0.18 0.00 | 48.29 0.05 0.00 | 56.18 0.31 0.00 | 50.73 0.34 0.00 | 42.59 0.20 0.00 | 53.60 0.25 0.00 | 49.64 -0.08 0.00 | 33.93 -0.19 0.00 | 28.80 -0.42 0.00 |
| KATONAH__115KV_46KV_TB4 355592 | 38.05 1.44 0.00 | 30.20 1.07 0.00 | 29.52 0.93 0.50 | 29.54 0.96 0.30 | 29.23 0.99 1.06 | 34.96 1.11 0.00 | 40.34 1.38 0.00 | 35.90 1.42 0.00 | 35.43 1.45 0.00 | 44.82 1.73 0.00 | 47.10 1.87 0.00 | 44.67 1.93 0.00 | 52.38 2.15 0.00 | 47.27 2.16 0.00 | 42.65 2.25 0.00 | 45.30 2.38 0.00 | 50.57 2.34 0.00 | 58.44 2.57 0.00 | 52.72 2.34 0.00 | 44.28 1.90 0.00 | 55.63 2.29 0.00 | 51.97 2.25 0.00 | 35.82 1.69 0.00 | 30.77 1.56 0.00 |
| KCE_NY_1 323755 | 37.81 1.20 0.00 | 30.10 0.96 0.00 | 29.74 1.00 0.34 | 29.62 0.96 0.21 | 29.55 0.99 0.73 | 34.99 1.14 0.00 | 40.38 1.42 0.00 | 35.86 1.38 0.00 | 35.14 1.16 0.00 | 44.53 1.44 0.00 | 46.77 1.54 0.00 | 44.19 1.44 0.00 | 51.83 1.60 0.00 | 46.65 1.53 0.00 | 41.80 1.41 0.00 | 44.49 1.57 0.00 | 49.69 1.46 0.00 | 57.86 1.99 0.00 | 52.17 1.79 0.00 | 44.07 1.69 0.00 | 55.47 2.13 0.00 | 51.68 1.96 0.00 | 35.41 1.29 0.00 | 30.44 1.22 0.00 |
| KCE_NY_6_ESR 323823 | 34.32 -2.28 0.00 | 27.13 -2.00 0.00 | 24.43 -2.18 2.48 | 25.23 -2.12 1.52 | 21.89 -2.13 5.29 | 31.81 -2.04 0.00 | 36.43 -2.53 0.00 | 31.49 -2.99 0.00 | 31.63 -2.34 0.00 | 34.93 -3.08 5.08 | 32.66 -2.95 9.62 | 39.39 -3.21 0.14 | 42.81 -3.87 3.55 | 30.44 -3.26 11.42 | 22.49 -2.42 15.49 | 24.19 -2.55 16.19 | 28.00 -2.98 17.25 | 26.13 -4.17 25.57 | 26.84 -3.48 20.07 | 29.13 -2.90 10.34 | 32.24 -3.47 17.63 | 33.62 -3.51 12.59 | 28.51 -2.43 3.17 | 24.17 -2.04 3.01 |
| KEDC_PORT_JEFF_GT2 24210 | 35.90 2.32 3.04 | 27.04 1.62 3.71 | 26.90 1.57 3.75 | 26.87 1.65 3.65 | 26.86 1.75 4.20 | 32.05 2.07 3.87 | 38.07 2.51 3.41 | 35.47 2.27 1.29 | 39.43 2.25 -3.21 | 47.56 2.93 -1.53 | 47.56 3.14 0.81 | 46.02 3.16 -0.12 | 49.59 3.41 4.05 | 50.56 3.29 -2.16 | 48.98 3.47 -5.12 | 49.53 3.60 -3.01 | 51.66 3.43 0.00 | 59.59 3.72 0.00 | 53.96 3.58 0.00 | 45.19 2.81 0.00 | 56.39 3.05 0.00 | 51.71 3.33 1.34 | 32.69 2.57 3.99 | 30.42 2.29 1.08 |
| KEDC_PORT_JEFF_GT3 24211 | 35.90 2.32 3.04 | 27.04 1.62 3.71 | 26.90 1.57 3.75 | 26.87 1.65 3.65 | 26.86 1.75 4.20 | 32.05 2.07 3.87 | 38.07 2.51 3.41 | 35.47 2.27 1.29 | 39.43 2.25 -3.21 | 47.56 2.93 -1.53 | 47.56 3.14 0.81 | 46.02 3.16 -0.12 | 49.59 3.41 4.05 | 50.56 3.29 -2.16 | 48.98 3.47 -5.12 | 49.53 3.60 -3.01 | 51.66 3.43 0.00 | 59.59 3.72 0.00 | 53.96 3.58 0.00 | 45.19 2.81 0.00 | 56.39 3.05 0.00 | 51.71 3.33 1.34 | 32.69 2.57 3.99 | 30.42 2.29 1.08 |
| KEDC_GLWD_GT4 24219 | 43.24 1.83 -4.80 | 36.32 1.32 -5.87 | 34.92 1.20 -4.63 | 35.11 1.25 -4.98 | 34.49 1.32 -3.86 | 42.73 1.50 -7.37 | 47.55 1.83 -6.75 | 47.89 1.81 -11.60 | 55.15 1.81 -19.36 | 63.02 2.07 -17.85 | 68.23 2.25 -20.75 | 56.95 2.32 -11.89 | 175.99 2.57 -123.19 | 62.29 2.41 -14.76 | 104.80 2.60 -61.81 | 61.65 2.69 -16.04 | 50.93 2.70 0.00 | 58.47 2.60 0.00 | 52.77 2.39 0.00 | 44.44 2.06 0.00 | 55.78 2.44 0.00 | 55.74 2.47 -3.56 | 86.84 2.04 -50.67 | 37.89 1.88 -6.79 |
| KEDC_GLWD_GT5 24220 | 43.24 1.83 -4.80 | 36.32 1.32 -5.87 | 34.92 1.20 -4.63 | 35.11 1.25 -4.98 | 34.49 1.32 -3.86 | 42.73 1.50 -7.37 | 47.55 1.83 -6.75 | 47.89 1.81 -11.60 | 55.15 1.81 -19.36 | 63.02 2.07 -17.85 | 68.23 2.25 -20.75 | 56.95 2.32 -11.89 | 175.99 2.57 -123.19 | 62.29 2.41 -14.76 | 104.80 2.60 -61.81 | 61.65 2.69 -16.04 | 50.93 2.70 0.00 | 58.47 2.60 0.00 | 52.77 2.39 0.00 | 44.44 2.06 0.00 | 55.78 2.44 0.00 | 55.74 2.47 -3.56 | 86.84 2.04 -50.67 | 37.89 1.88 -6.79 |
| KENSICO____ 23655 | 37.99 1.39 0.00 | 30.15 1.02 0.00 | 29.46 0.88 0.50 | 29.49 0.92 0.31 | 29.17 0.94 1.07 | 34.89 1.04 0.00 | 40.25 1.29 0.00 | 35.80 1.31 0.00 | 35.34 1.37 0.00 | 44.69 1.60 0.00 | 46.98 1.75 0.00 | 44.55 1.81 0.00 | 52.24 2.01 0.00 | 47.15 2.03 0.00 | 42.54 2.15 0.00 | 45.21 2.28 0.00 | 50.43 2.20 0.00 | 58.25 2.39 0.00 | 52.54 2.16 0.00 | 44.14 1.75 0.00 | 55.45 2.10 0.00 | 51.82 2.10 0.00 | 35.73 1.60 0.00 | 30.73 1.51 0.00 |
| KERHONKS_69_KV_TR1_REV_LBMP_G 345021 | 38.40 1.79 0.00 | 30.48 1.35 0.00 | 29.77 1.21 0.53 | 29.80 1.25 0.32 | 29.45 1.27 1.12 | 35.32 1.48 0.00 | 40.81 1.84 0.00 | 36.29 1.81 0.00 | 35.86 1.89 0.00 | 45.40 2.31 0.00 | 47.72 2.49 0.00 | 45.21 2.47 0.00 | 53.04 2.81 0.00 | 47.88 2.76 0.00 | 43.15 2.75 0.00 | 45.85 2.93 0.00 | 51.23 3.00 0.00 | 59.23 3.36 0.00 | 53.46 3.08 0.00 | 44.92 2.54 0.00 | 56.48 3.14 0.00 | 52.60 2.88 0.00 | 36.25 2.13 0.00 | 31.08 1.87 0.00 |

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|-----------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|--------------------------|------------------------|-------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|
| KLAC_JFK_GT1 23816 | 37.90 1.29 0.00 | 30.07 0.94 0.00 | 29.37 0.78 0.50 | 29.40 0.83 0.31 | 29.09 0.86 1.07 | 34.75 0.91 0.00 | 40.12 1.14 -0.02 | 35.78 1.21 -0.08 | 35.50 1.26 -0.27 | 44.84 1.40 -0.35 | 47.27 1.47 -0.57 | 44.80 1.63 -0.43 | 61.12 1.70 -9.18 | 47.05 1.93 0.00 | 45.99 2.05 -3.55 | 45.04 2.12 0.00 | 50.26 2.04 0.00 | 58.10 2.23 0.00 | 52.33 1.94 0.00 | 43.91 1.52 0.00 | 54.99 1.65 0.01 | 52.55 1.70 -1.13 | 43.13 1.50 -7.52 | 30.64 1.42 0.00 |
| KIAC_JFK_GT2 23817 | 37.90 1.29 0.00 | 30.07 0.94 0.00 | 29.37 0.78 0.50 | 29.40 0.83 0.31 | 29.09 0.86 1.07 | 34.75 0.91 0.00 | 40.12 1.14 -0.02 | 35.78 1.21 -0.08 | 35.50 1.26 -0.27 | 44.84 1.40 -0.35 | 47.27 1.47 -0.57 | 44.80 1.63 -0.43 | 61.12 1.70 -9.18 | 47.05 1.93 0.00 | 45.99 2.05 -3.55 | 45.04 2.12 0.00 | 50.26 2.04 0.00 | 58.10 2.23 0.00 | 52.33 1.94 0.00 | 43.91 1.52 0.00 | 54.99 1.65 0.01 | 52.55 1.70 -1.13 | 43.13 1.50 -7.52 | 30.64 1.42 0.00 |
| KIAC_JFK____ 323774 | 37.90 1.29 0.00 | 30.07 0.94 0.00 | 29.37 0.78 0.50 | 29.39 0.83 0.31 | 29.09 0.86 1.07 | 34.75 0.91 0.00 | 40.12 1.14 -0.02 | 35.80 1.24 -0.08 | 35.53 1.28 -0.27 | 44.84 1.39 -0.35 | 47.29 1.50 -0.57 | 44.81 1.64 -0.43 | 61.26 1.85 -9.18 | 47.05 1.93 0.00 | 46.02 2.08 -3.55 | 45.04 2.12 0.00 | 50.25 2.03 0.00 | 58.09 2.22 0.00 | 52.32 1.93 0.00 | 43.91 1.53 0.00 | 54.99 1.65 0.01 | 52.55 1.70 -1.13 | 43.14 1.50 -7.52 | 30.63 1.41 0.00 |
| KINTIGH__24_KV_GSU 356498 | 34.08 -2.53 0.00 | 26.98 -2.15 0.00 | 24.48 -2.28 2.33 | 25.22 -2.23 1.42 | 22.09 -2.25 4.96 | 31.63 -2.22 0.00 | 36.22 -2.74 0.00 | 31.38 -3.10 0.00 | 31.40 -2.57 0.00 | 37.17 -3.41 2.51 | 37.13 -3.34 4.76 | 39.23 -3.44 0.07 | 44.18 -4.11 1.94 | 35.94 -3.53 5.65 | 30.03 -2.71 7.66 | 32.04 -2.88 8.00 | 36.35 -3.35 8.53 | 36.80 -4.52 14.54 | 35.97 -3.82 10.59 | 33.38 -3.21 5.79 | 40.61 -4.01 8.72 | 39.59 -3.90 6.22 | 29.77 -2.61 1.75 | 25.50 -2.23 1.49 |
| KINTIGH____ 23543 | 34.04 -2.57 0.00 | 26.96 -2.17 0.00 | 24.46 -2.30 2.33 | 25.19 -2.26 1.42 | 22.06 -2.28 4.96 | 31.60 -2.25 0.00 | 36.20 -2.77 0.00 | 31.36 -3.12 0.00 | 31.36 -2.62 0.00 | 37.11 -3.47 2.51 | 37.07 -3.40 4.76 | 39.20 -3.48 0.07 | 44.12 -4.16 1.94 | 35.87 -3.60 5.65 | 29.97 -2.76 7.66 | 31.95 -2.97 8.00 | 36.27 -3.43 8.53 | 36.73 -4.60 14.54 | 35.88 -3.91 10.59 | 33.33 -3.26 5.79 | 40.53 -4.10 8.72 | 39.54 -3.96 6.22 | 29.73 -2.65 1.75 | 25.46 -2.27 1.49 |
| KNTFSRNC_46_KV_46KV_LOAD 80397 | 37.31 0.70 0.00 | 29.65 0.52 0.00 | 29.33 0.62 0.38 | 29.28 0.64 0.23 | 29.12 0.63 0.81 | 34.66 0.81 0.00 | 39.94 0.97 0.00 | 35.22 0.73 0.00 | 34.63 0.65 0.00 | 43.82 0.73 0.00 | 45.83 0.60 0.00 | 43.36 0.62 0.00 | 51.12 0.89 0.00 | 45.79 0.67 0.00 | 40.63 0.24 0.00 | 43.25 0.33 0.00 | 48.75 0.52 0.00 | 56.78 0.91 0.00 | 51.38 0.99 0.00 | 43.14 0.75 0.00 | 54.36 1.02 0.00 | 50.31 0.59 0.00 | 34.32 0.19 0.00 | 29.17 -0.05 0.00 |
| LACHUTE__HYDRO 323717 | 39.13 2.52 0.00 | 31.75 2.62 0.00 | 31.04 2.30 0.34 | 30.51 1.85 0.21 | 30.49 1.92 0.73 | 35.93 2.08 0.00 | 42.21 3.25 0.00 | 37.89 3.41 0.00 | 36.83 2.86 0.00 | 46.32 3.23 0.00 | 49.05 3.82 0.00 | 46.18 3.43 0.00 | 53.93 3.70 0.00 | 48.11 2.99 0.00 | 42.99 2.60 0.00 | 45.73 2.81 0.00 | 50.89 2.66 0.00 | 59.89 4.02 0.00 | 54.42 4.04 0.00 | 46.26 3.88 0.00 | 59.31 5.97 0.00 | 54.66 4.94 0.00 | 36.96 2.83 0.00 | 31.84 2.62 0.00 |
| LAWRNCBV_115KV_TB1 80681 | 36.62 0.01 0.00 | 29.16 0.03 0.00 | 28.35 0.10 0.83 | 28.47 0.11 0.51 | 27.61 0.08 1.77 | 34.04 0.19 0.00 | 39.15 0.19 0.00 | 34.47 -0.02 0.00 | 33.88 -0.09 0.00 | 43.32 0.23 0.00 | 45.01 -0.22 0.00 | 42.53 -0.21 0.00 | 50.43 0.19 0.00 | 45.03 -0.08 0.00 | 39.78 -0.61 0.00 | 42.32 -0.60 0.00 | 47.75 -0.48 0.00 | 55.49 -0.38 0.00 | 50.12 -0.26 0.00 | 42.22 -0.16 0.00 | 53.19 -0.15 0.00 | 49.50 -0.22 0.00 | 33.97 -0.15 0.00 | 28.81 -0.41 0.00 |
| LEDERLE____ 23769 | 38.11 1.49 0.00 | 30.21 1.08 0.00 | 29.50 0.93 0.52 | 29.54 0.98 0.32 | 29.19 1.00 1.11 | 34.96 1.11 0.00 | 40.34 1.38 0.00 | 35.85 1.36 0.00 | 35.37 1.40 0.00 | 44.76 1.67 0.00 | 47.06 1.83 0.00 | 44.65 1.90 0.00 | 52.34 2.11 0.00 | 47.24 2.12 0.00 | 42.62 2.23 0.00 | 45.30 2.38 0.00 | 50.57 2.34 0.00 | 58.43 2.56 0.00 | 52.72 2.33 0.00 | 44.28 1.90 0.00 | 55.68 2.34 0.00 | 51.98 2.26 0.00 | 35.83 1.71 0.00 | 30.80 1.58 0.00 |
| LIGHTHSE_115KV_TB6 355974 | 35.39 -1.22 0.00 | 28.09 -1.05 0.00 | 22.94 -1.14 5.00 | 24.70 -1.12 3.06 | 17.53 -1.11 10.66 | 32.75 -1.10 0.00 | 37.78 -1.18 0.00 | 33.37 -1.11 0.00 | 32.87 -1.11 0.00 | 41.43 -1.66 0.00 | 43.37 -1.86 0.00 | 40.78 -1.96 0.00 | 47.99 -2.24 0.00 | 43.17 -1.95 0.00 | 38.83 -1.57 0.00 | 41.40 -1.53 0.00 | 46.23 -2.00 0.00 | 53.50 -2.37 0.00 | 48.37 -2.02 0.00 | 40.86 -1.53 0.00 | 51.31 -2.03 0.00 | 47.64 -2.08 0.00 | 32.63 -1.49 0.00 | 27.76 -1.46 0.00 |
| LINDEN COGEN____ 23786 | 37.92 1.31 0.00 | 30.09 0.95 0.00 | 29.37 0.78 0.50 | 29.41 0.84 0.31 | 29.08 0.85 1.07 | 34.78 0.93 0.00 | 40.12 1.15 0.00 | 35.72 1.24 0.00 | 34.77 1.29 0.49 | 43.91 1.46 0.64 | 46.83 1.60 0.00 | 44.46 1.71 0.00 | 52.06 1.84 0.00 | 47.07 1.95 0.00 | 42.50 2.10 0.00 | 45.13 2.21 0.00 | 50.30 2.07 0.00 | 58.09 2.22 0.00 | 52.36 1.98 0.00 | 43.99 1.61 0.00 | 55.24 1.90 0.00 | 51.71 2.00 0.00 | 34.97 1.58 0.72 | 30.71 1.50 0.00 |
| LINDHRST_69_KV_BK1 356055 | 40.33 2.47 -1.25 | 32.41 1.75 -1.53 | 31.57 1.65 -0.84 | 31.68 1.73 -1.07 | 31.33 1.82 -0.22 | 38.41 2.13 -2.43 | 43.84 2.57 -2.31 | 42.23 2.42 -5.33 | 46.84 2.43 -10.43 | 55.23 3.04 -9.10 | 58.12 3.18 -9.71 | 51.75 3.25 -5.76 | 109.92 3.65 -56.04 | 56.43 3.35 -7.96 | 73.91 3.52 -29.99 | 55.45 3.65 -8.87 | 51.77 3.54 0.00 | 59.71 3.84 0.00 | 54.03 3.64 0.00 | 45.30 2.92 0.00 | 56.75 3.41 0.00 | 53.85 3.49 -0.64 | 56.03 2.72 -19.19 | 34.67 2.41 -3.04 |
| LIPA_MISC_IPP 23656 | 35.71 2.25 3.14 | 26.85 1.57 3.85 | 26.76 1.54 3.87 | 26.74 1.64 3.77 | 26.73 1.74 4.31 | 31.86 2.04 4.03 | 37.90 2.49 3.56 | 35.28 2.26 1.46 | 39.20 2.21 -3.02 | 47.35 2.92 -1.33 | 47.22 3.08 1.09 | 45.83 3.12 0.03 | 47.98 3.37 5.62 | 50.38 3.26 -2.00 | 48.37 3.51 -4.47 | 49.37 3.59 -2.86 | 51.62 3.39 0.00 | 59.55 3.68 0.00 | 53.92 3.54 0.00 | 45.15 2.76 0.00 | 56.46 3.12 0.00 | 51.61 3.29 1.39 | 32.03 2.51 4.61 | 30.24 2.21 1.19 |
| LISF____SOLAR 323691 | 35.82 2.31 3.10 | 26.95 1.61 3.79 | 26.84 1.58 3.82 | 26.81 1.66 3.73 | 26.81 1.78 4.27 | 31.98 2.10 3.97 | 38.02 2.56 3.50 | 35.40 2.31 1.39 | 39.34 2.27 -3.09 | 47.51 3.01 -1.41 | 47.47 3.23 0.98 | 45.98 3.21 -0.03 | 48.63 3.42 5.02 | 50.51 3.33 -2.06 | 48.67 3.56 -4.71 | 49.51 3.67 -2.91 | 51.71 3.48 0.00 | 59.66 3.79 0.00 | 54.06 3.67 0.00 | 45.25 2.87 0.00 | 56.58 3.24 0.00 | 51.74 3.40 1.37 | 32.31 2.57 4.38 | 30.34 2.27 1.15 |
| LITTLE FALLS____HYD 24013 | 36.42 -0.19 0.00 | 28.96 -0.17 0.00 | 28.33 -0.26 0.49 | 28.29 -0.28 0.30 | 27.99 -0.26 1.05 | 33.49 -0.36 0.00 | 38.54 -0.42 0.00 | 34.41 -0.07 0.00 | 33.82 -0.16 0.00 | 42.48 -0.61 0.00 | 44.28 -0.95 0.00 | 41.65 -1.09 0.00 | 49.12 -1.11 0.00 | 44.39 -0.72 0.00 | 39.92 -0.48 0.00 | 42.62 -0.31 0.00 | 47.57 -0.66 0.00 | 55.16 -0.71 0.00 | 49.94 -0.45 0.00 | 42.20 -0.18 0.00 | 52.79 -0.55 0.00 | 49.27 -0.45 0.00 | 33.80 -0.32 0.00 | 29.10 -0.02 0.00 |

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| LITTLRIV_115KV_TB1 356100 | 37.09 0.48 0.00 | 29.54 0.40 0.00 | 28.68 0.47 0.88 | 28.82 0.48 0.54 | 27.89 0.46 1.87 | 34.53 0.68 0.00 | 39.74 0.77 0.00 | 34.88 0.40 0.00 | 34.26 0.28 0.00 | 43.84 0.75 0.00 | 45.53 0.30 0.00 | 42.88 0.14 0.00 | 50.84 0.61 0.00 | 45.40 0.28 0.00 | 40.10 -0.29 0.00 | 42.78 -0.15 0.00 | 48.35 0.12 0.00 | 56.28 0.40 0.00 | 50.86 0.47 0.00 | 42.90 0.51 0.00 | 54.12 0.78 0.00 | 50.31 0.59 0.00 | 34.52 0.40 0.00 | 29.23 0.01 0.00 |
| LI_NEWBRDGE___DRP 323616 | 33.71 1.78 4.68 | 24.63 1.22 5.72 | 24.71 1.14 5.51 | 24.65 1.24 5.46 | 24.72 1.30 5.88 | 29.05 1.51 6.32 | 35.16 1.83 5.64 | 32.37 1.78 3.89 | 36.01 1.74 -0.30 | 43.72 2.15 1.52 | 42.52 2.32 5.04 | 43.01 2.42 2.15 | 24.22 2.65 28.66 | 47.35 2.39 0.16 | 37.77 2.66 5.28 | 46.26 2.66 -0.68 | 50.71 2.48 0.00 | 58.49 2.62 0.00 | 52.89 2.51 0.00 | 44.36 1.98 0.00 | 55.63 2.29 0.00 | 49.82 2.40 2.29 | 21.81 1.99 14.30 | 28.35 1.83 2.70 |
| LOCKPORT_115KV_TB60_63_64 80432 | 33.73 -2.88 0.00 | 26.70 -2.44 0.00 | 24.07 -2.57 2.44 | 24.87 -2.52 1.49 | 21.65 -2.44 5.21 | 31.42 -2.42 0.00 | 35.96 -3.01 0.00 | 30.91 -3.58 0.00 | 30.99 -2.98 0.00 | 35.76 -3.69 3.65 | 34.74 -3.58 6.91 | 38.70 -3.94 0.10 | 43.00 -4.58 2.65 | 33.14 -3.78 8.20 | 26.47 -2.80 11.12 | 28.32 -2.99 11.62 | 32.41 -3.43 12.38 | 31.79 -4.70 19.39 | 31.65 -3.96 14.78 | 31.30 -3.29 7.80 | 36.51 -4.17 12.66 | 36.55 -4.13 9.04 | 28.91 -2.83 2.38 | 24.67 -2.39 2.16 |
| LOCKPORT___CC1 323769 | 33.73 -2.88 0.00 | 26.69 -2.44 0.00 | 24.07 -2.58 2.44 | 24.85 -2.53 1.49 | 21.62 -2.47 5.21 | 31.40 -2.45 0.00 | 35.92 -3.04 0.00 | 30.89 -3.60 0.00 | 30.99 -2.99 0.00 | 35.43 -3.74 3.92 | 34.18 -3.62 7.43 | 38.66 -3.97 0.11 | 42.79 -4.63 2.81 | 32.47 -3.83 8.82 | 25.58 -2.85 11.96 | 27.42 -3.01 12.49 | 31.42 -3.49 13.32 | 30.70 -4.78 20.38 | 30.63 -4.03 15.72 | 30.78 -3.38 8.22 | 35.51 -4.22 13.61 | 35.80 -4.20 9.72 | 28.74 -2.88 2.51 | 24.48 -2.42 2.32 |
| LOCKPORT___CC2 323770 | 33.73 -2.88 0.00 | 26.69 -2.44 0.00 | 24.07 -2.58 2.44 | 24.85 -2.53 1.49 | 21.62 -2.47 5.21 | 31.40 -2.45 0.00 | 35.92 -3.04 0.00 | 30.89 -3.60 0.00 | 30.99 -2.99 0.00 | 35.43 -3.74 3.92 | 34.18 -3.62 7.43 | 38.66 -3.97 0.11 | 42.79 -4.63 2.81 | 32.47 -3.83 8.82 | 25.58 -2.85 11.96 | 27.42 -3.01 12.49 | 31.42 -3.49 13.32 | 30.70 -4.78 20.38 | 30.63 -4.03 15.72 | 30.78 -3.38 8.22 | 35.51 -4.22 13.61 | 35.80 -4.20 9.72 | 28.74 -2.88 2.51 | 24.48 -2.42 2.32 |
| LOCKPORT___CC3 323771 | 33.73 -2.88 0.00 | 26.69 -2.44 0.00 | 24.07 -2.58 2.44 | 24.85 -2.53 1.49 | 21.62 -2.47 5.21 | 31.40 -2.45 0.00 | 35.92 -3.04 0.00 | 30.89 -3.60 0.00 | 30.99 -2.99 0.00 | 35.43 -3.74 3.92 | 34.18 -3.62 7.43 | 38.66 -3.97 0.11 | 42.79 -4.63 2.81 | 32.47 -3.83 8.82 | 25.58 -2.85 11.96 | 27.42 -3.01 12.49 | 31.42 -3.49 13.32 | 30.70 -4.78 20.38 | 30.63 -4.03 15.72 | 30.78 -3.38 8.22 | 35.51 -4.22 13.61 | 35.80 -4.20 9.72 | 28.74 -2.88 2.51 | 24.48 -2.42 2.32 |
| LOCUSVLY_69_KV_BK2 55797 | 41.64 2.00 -3.03 | 34.25 1.41 -3.71 | 33.13 1.30 -2.74 | 33.28 1.37 -3.03 | 32.78 1.44 -2.05 | 40.40 1.66 -4.89 | 45.48 2.00 -4.52 | 45.11 1.95 -8.68 | 51.47 1.95 -15.54 | 59.46 2.36 -14.01 | 63.47 2.51 -15.73 | 54.48 2.60 -9.14 | 146.04 2.90 -92.91 | 59.60 2.66 -11.82 | 91.21 2.84 -47.98 | 58.82 2.91 -12.98 | 51.08 2.85 0.00 | 58.81 2.94 0.00 | 53.14 2.76 0.00 | 44.64 2.26 0.00 | 55.99 2.65 0.00 | 54.66 2.70 -2.24 | 73.03 2.18 -36.72 | 36.23 1.99 -5.02 |
| LONG_LAKE_PHOENIX 24014 | 35.06 -1.55 0.00 | 27.82 -1.32 0.00 | 21.82 -1.38 5.89 | 23.90 -1.38 3.60 | 15.38 -1.37 12.55 | 32.42 -1.44 0.00 | 37.37 -1.60 0.00 | 33.00 -1.49 0.00 | 32.63 -1.34 0.00 | 41.23 -1.87 0.00 | 43.31 -1.92 0.00 | 40.83 -1.91 0.00 | 47.93 -2.30 0.00 | 43.16 -1.96 0.00 | 38.87 -1.53 0.00 | 41.24 -1.69 0.00 | 46.24 -1.99 0.00 | 53.44 -2.43 0.00 | 48.28 -2.10 0.00 | 40.64 -1.74 0.00 | 51.18 -2.17 0.00 | 47.64 -2.08 0.00 | 32.63 -1.49 0.00 | 27.93 -1.29 0.00 |
| LOVETT___3 23632 | 37.92 1.31 0.00 | 30.08 0.95 0.00 | 29.37 0.81 0.52 | 29.42 0.86 0.32 | 29.06 0.86 1.10 | 34.80 0.95 0.00 | 40.15 1.18 0.00 | 35.68 1.20 0.00 | 35.20 1.23 0.00 | 44.52 1.43 0.00 | 46.81 1.58 0.00 | 44.41 1.66 0.00 | 52.05 1.82 0.00 | 46.99 1.87 0.00 | 42.40 2.00 0.00 | 45.05 2.13 0.00 | 50.28 2.05 0.00 | 58.10 2.23 0.00 | 52.41 2.02 0.00 | 44.03 1.64 0.00 | 55.33 1.99 0.00 | 51.69 1.97 0.00 | 35.63 1.51 0.00 | 30.65 1.43 0.00 |
| LOVETT___4 23642 | 37.92 1.31 0.00 | 30.08 0.95 0.00 | 29.37 0.81 0.52 | 29.42 0.86 0.32 | 29.06 0.86 1.10 | 34.80 0.95 0.00 | 40.15 1.18 0.00 | 35.68 1.20 0.00 | 35.20 1.23 0.00 | 44.52 1.43 0.00 | 46.81 1.58 0.00 | 44.41 1.66 0.00 | 52.05 1.82 0.00 | 46.99 1.87 0.00 | 42.40 2.00 0.00 | 45.05 2.13 0.00 | 50.28 2.05 0.00 | 58.10 2.23 0.00 | 52.41 2.02 0.00 | 44.03 1.64 0.00 | 55.33 1.99 0.00 | 51.69 1.97 0.00 | 35.63 1.51 0.00 | 30.65 1.43 0.00 |
| LOVETT___5 23593 | 37.92 1.31 0.00 | 30.08 0.95 0.00 | 29.37 0.81 0.52 | 29.42 0.86 0.32 | 29.06 0.86 1.10 | 34.80 0.95 0.00 | 40.15 1.18 0.00 | 35.68 1.20 0.00 | 35.20 1.23 0.00 | 44.52 1.43 0.00 | 46.81 1.58 0.00 | 44.41 1.66 0.00 | 52.05 1.82 0.00 | 46.99 1.87 0.00 | 42.40 2.00 0.00 | 45.05 2.13 0.00 | 50.28 2.05 0.00 | 58.10 2.23 0.00 | 52.41 2.02 0.00 | 44.03 1.64 0.00 | 55.33 1.99 0.00 | 51.69 1.97 0.00 | 35.63 1.51 0.00 | 30.65 1.43 0.00 |
| LOWER RAQUET___HYD 24057 | 36.54 -0.07 0.00 | 29.10 -0.03 0.00 | 28.20 0.04 0.93 | 28.36 0.05 0.57 | 27.35 0.02 1.97 | 33.98 0.13 0.00 | 39.06 0.09 0.00 | 34.39 -0.09 0.00 | 33.78 -0.19 0.00 | 43.19 0.10 0.00 | 44.86 -0.37 0.00 | 42.39 -0.36 0.00 | 50.24 0.01 0.00 | 44.86 -0.26 0.00 | 39.63 -0.76 0.00 | 42.16 -0.77 0.00 | 47.54 -0.69 0.00 | 55.25 -0.61 0.00 | 49.93 -0.46 0.00 | 42.07 -0.31 0.00 | 53.00 -0.34 0.00 | 49.32 -0.40 0.00 | 33.89 -0.23 0.00 | 28.71 -0.51 0.00 |
| LOWER___HUDSON 24059 | 37.25 0.65 0.00 | 29.68 0.55 0.00 | 29.35 0.61 0.34 | 29.25 0.59 0.21 | 29.17 0.60 0.73 | 34.48 0.63 0.00 | 39.75 0.78 0.00 | 35.31 0.82 0.00 | 34.55 0.57 0.00 | 43.88 0.78 0.00 | 46.05 0.82 0.00 | 43.48 0.74 0.00 | 51.07 0.84 0.00 | 46.01 0.89 0.00 | 41.23 0.84 0.00 | 43.82 0.90 0.00 | 48.80 0.57 0.00 | 56.77 0.90 0.00 | 51.25 0.87 0.00 | 43.19 0.80 0.00 | 54.39 1.05 0.00 | 50.74 1.02 0.00 | 34.81 0.69 0.00 | 29.96 0.74 0.00 |
| LOWVILLE_115KV_TB2 356335 | 36.70 0.08 0.00 | 29.14 0.01 0.00 | 26.88 -0.13 2.08 | 27.56 -0.05 1.27 | 24.83 -0.04 4.43 | 33.93 0.08 0.00 | 39.15 0.18 0.00 | 34.62 0.14 0.00 | 33.83 -0.15 0.00 | 42.67 -0.43 0.00 | 44.43 -0.80 0.00 | 41.69 -1.05 0.00 | 49.44 -0.79 0.00 | 44.50 -0.61 0.00 | 39.95 -0.44 0.00 | 42.27 -0.65 0.00 | 47.12 -1.11 0.00 | 54.63 -1.25 0.00 | 49.59 -0.79 0.00 | 41.86 -0.52 0.00 | 52.20 -1.14 0.00 | 48.33 -1.39 0.00 | 33.08 -1.04 0.00 | 27.89 -1.34 0.00 |
| LUTHERFT_115KV_GLOB_FND_222 355753 | 37.77 1.16 0.00 | 30.09 0.95 0.00 | 29.71 0.97 0.34 | 29.61 0.94 0.21 | 29.55 0.98 0.73 | 34.96 1.11 0.00 | 40.37 1.40 0.00 | 35.84 1.36 0.00 | 35.11 1.14 0.00 | 44.51 1.41 0.00 | 46.76 1.53 0.00 | 44.16 1.41 0.00 | 51.80 1.57 0.00 | 46.62 1.50 0.00 | 41.80 1.41 0.00 | 44.46 1.54 0.00 | 49.69 1.46 0.00 | 57.78 1.91 0.00 | 52.17 1.78 0.00 | 44.00 1.61 0.00 | 55.46 2.12 0.00 | 51.68 1.96 0.00 | 35.41 1.29 0.00 | 30.42 1.20 0.00 |

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| LUTHERNY_35_KV_BK2 355980 | 37.81 1.20 0.00 | 30.10 0.97 0.00 | 29.74 1.00 0.34 | 29.63 0.96 0.21 | 29.56 0.99 0.73 | 34.99 1.15 0.00 | 40.39 1.42 0.00 | 35.86 1.38 0.00 | 35.14 1.16 0.00 | 44.53 1.44 0.00 | 46.77 1.54 0.00 | 44.19 1.44 0.00 | 51.83 1.60 0.00 | 46.65 1.53 0.00 | 41.80 1.41 0.00 | 44.49 1.57 0.00 | 49.69 1.46 0.00 | 57.85 1.98 0.00 | 52.17 1.79 0.00 | 44.07 1.68 0.00 | 55.47 2.13 0.00 | 51.68 1.96 0.00 | 35.41 1.29 0.00 | 30.44 1.22 0.00 |
| LWR___OSWEGATCHIE_HYD 23850 | 36.24 -0.37 0.00 | 28.82 -0.31 0.00 | 27.07 -0.37 1.65 | 27.55 -0.31 1.01 | 25.46 -0.33 3.52 | 33.60 -0.25 0.00 | 38.70 -0.26 0.00 | 34.16 -0.33 0.00 | 33.46 -0.52 0.00 | 42.47 -0.63 0.00 | 44.14 -1.09 0.00 | 41.55 -1.19 0.00 | 49.26 -0.97 0.00 | 44.15 -0.97 0.00 | 39.28 -1.11 0.00 | 41.78 -1.15 0.00 | 46.81 -1.42 0.00 | 54.34 -1.53 0.00 | 49.21 -1.18 0.00 | 41.54 -0.84 0.00 | 52.08 -1.26 0.00 | 48.35 -1.37 0.00 | 33.16 -0.97 0.00 | 28.01 -1.21 0.00 |
| LYONS_FALL_HYD 23570 | 36.83 0.22 0.00 | 29.24 0.11 0.00 | 27.27 -0.01 1.82 | 27.82 0.06 1.11 | 25.49 0.07 3.87 | 34.04 0.19 0.00 | 39.28 0.31 0.00 | 34.75 0.27 0.00 | 34.09 0.11 0.00 | 43.05 -0.04 0.00 | 44.97 -0.26 0.00 | 42.30 -0.45 0.00 | 49.97 -0.26 0.00 | 45.00 -0.12 0.00 | 40.39 0.00 0.00 | 42.81 -0.12 0.00 | 47.80 -0.43 0.00 | 55.39 -0.48 0.00 | 50.18 -0.21 0.00 | 42.31 -0.08 0.00 | 52.96 -0.39 0.00 | 49.13 -0.59 0.00 | 33.64 -0.48 0.00 | 28.53 -0.69 0.00 |
| MADISON___COUNTY_LFGE 323628 | 37.06 0.45 0.00 | 29.39 0.26 0.00 | 26.57 0.16 2.67 | 27.42 0.18 1.64 | 23.80 0.20 5.70 | 34.22 0.37 0.00 | 39.45 0.49 0.00 | 34.90 0.42 0.00 | 34.50 0.52 0.00 | 43.60 0.51 0.00 | 45.71 0.48 0.00 | 43.13 0.39 0.00 | 50.84 0.44 -0.17 | 45.65 0.53 0.00 | 41.01 0.62 0.00 | 43.57 0.64 0.00 | 48.73 0.50 0.00 | 58.20 0.58 -1.75 | 51.63 0.61 -0.64 | 43.57 0.54 -0.65 | 54.01 0.67 0.00 | 50.24 0.53 0.00 | 34.56 0.26 -0.17 | 29.39 0.17 0.00 |
| MALONE___115KV_TB1 356076 | 36.98 0.37 0.00 | 29.40 0.27 0.00 | 28.91 0.37 0.55 | 28.93 0.40 0.33 | 28.53 0.40 1.17 | 34.41 0.56 0.00 | 40.08 1.12 0.00 | 35.50 1.02 0.00 | 34.82 0.84 0.00 | 44.43 1.33 0.00 | 46.20 0.97 0.00 | 43.50 0.76 0.00 | 50.79 0.56 0.00 | 45.43 0.31 0.00 | 40.28 -0.11 0.00 | 42.88 -0.04 0.00 | 48.43 0.20 0.00 | 56.39 0.52 0.00 | 50.97 0.58 0.00 | 42.83 0.45 0.00 | 53.95 0.61 0.00 | 50.01 0.29 0.00 | 34.20 0.08 0.00 | 28.98 -0.24 0.00 |
| MAPLEWOD_115KV_TB3 80458 | 37.10 0.49 0.00 | 29.57 0.44 0.00 | 29.20 0.47 0.35 | 29.12 0.46 0.21 | 29.03 0.48 0.75 | 34.34 0.49 0.00 | 39.57 0.60 0.00 | 35.10 0.62 0.00 | 34.42 0.44 0.00 | 43.62 0.52 0.00 | 45.84 0.61 0.00 | 43.31 0.57 0.00 | 50.88 0.65 0.00 | 45.85 0.73 0.00 | 41.13 0.74 0.00 | 43.73 0.80 0.00 | 48.64 0.41 0.00 | 56.54 0.67 0.00 | 51.01 0.62 0.00 | 42.98 0.60 0.00 | 54.07 0.73 0.00 | 50.39 0.67 0.00 | 34.63 0.51 0.00 | 29.82 0.60 0.00 |
| MAPLE_RIDGE_WT_1 323574 | 36.47 -0.14 0.00 | 29.01 -0.12 0.00 | 28.68 -0.12 0.29 | 28.63 -0.07 0.17 | 28.60 -0.09 0.61 | 33.74 -0.11 0.00 | 38.80 -0.16 0.00 | 34.23 -0.25 0.00 | 33.64 -0.33 0.00 | 42.63 -0.46 0.00 | 44.59 -0.64 0.00 | 42.08 -0.66 0.00 | 49.69 -0.53 0.00 | 44.67 -0.45 0.00 | 40.00 -0.39 0.00 | 42.36 -0.56 0.00 | 47.65 -0.58 0.00 | 55.28 -0.59 0.00 | 49.84 -0.54 0.00 | 41.72 -0.66 0.00 | 52.35 -0.99 0.00 | 48.72 -0.99 0.00 | 33.32 -0.80 0.00 | 28.52 -0.70 0.00 |
| MAPLE_RIDGE_WT_2 323611 | 36.47 -0.14 0.00 | 29.01 -0.12 0.00 | 28.68 -0.12 0.29 | 28.63 -0.07 0.17 | 28.60 -0.09 0.61 | 33.74 -0.11 0.00 | 38.80 -0.16 0.00 | 34.23 -0.25 0.00 | 33.64 -0.33 0.00 | 42.63 -0.46 0.00 | 44.59 -0.64 0.00 | 42.08 -0.66 0.00 | 49.69 -0.53 0.00 | 44.67 -0.45 0.00 | 40.00 -0.39 0.00 | 42.36 -0.56 0.00 | 47.65 -0.58 0.00 | 55.28 -0.59 0.00 | 49.84 -0.54 0.00 | 41.72 -0.66 0.00 | 52.35 -0.99 0.00 | 48.72 -0.99 0.00 | 33.32 -0.80 0.00 | 28.52 -0.70 0.00 |
| MARBLE_RIVER_WT_PWR 323696 | 36.93 0.31 0.00 | 29.35 0.22 0.00 | 29.04 0.32 0.37 | 29.01 0.36 0.22 | 28.88 0.36 0.78 | 34.32 0.47 0.00 | 39.48 0.51 0.00 | 34.79 0.30 0.00 | 34.21 0.24 0.00 | 43.39 0.30 0.00 | 45.33 0.10 0.00 | 42.91 0.16 0.00 | 50.64 0.41 0.00 | 45.31 0.20 0.00 | 40.27 -0.12 0.00 | 42.83 -0.09 0.00 | 48.33 0.10 0.00 | 56.23 0.36 0.00 | 50.79 0.40 0.00 | 42.62 0.24 0.00 | 53.65 0.31 0.00 | 49.67 -0.04 0.00 | 33.94 -0.18 0.00 | 28.83 -0.39 0.00 |
| MARSHVLE_115KV_TB1 80742 | 38.25 1.64 0.00 | 30.30 1.17 0.00 | 29.60 1.08 0.56 | 29.63 1.09 0.34 | 29.24 1.13 1.19 | 35.21 1.36 0.00 | 40.61 1.64 0.00 | 35.80 1.31 0.00 | 35.21 1.24 0.00 | 44.52 1.43 0.00 | 46.61 1.38 0.00 | 43.85 1.11 0.00 | 51.55 1.32 0.00 | 46.50 1.38 0.00 | 41.54 1.15 0.00 | 44.18 1.26 0.00 | 49.79 1.56 0.00 | 57.64 1.77 0.00 | 52.09 1.70 0.00 | 43.82 1.44 0.00 | 55.66 2.32 0.00 | 51.82 2.10 0.00 | 35.43 1.31 0.00 | 30.11 0.89 0.00 |
| MARSH_HILL_WT_PWR 323713 | 34.51 -2.10 0.00 | 27.12 -2.01 0.00 | 24.24 -2.05 2.80 | 25.12 -2.04 1.71 | 21.11 -2.23 5.96 | 31.69 -2.16 0.00 | 36.36 -2.61 0.00 | 31.56 -2.93 0.00 | 31.29 -2.69 -0.01 | 55.88 -3.74 -16.53 | 72.46 -4.10 -31.33 | 38.94 -4.27 -0.47 | 51.44 -5.13 -6.35 | 77.79 -4.49 -37.17 | 87.07 -3.75 -50.43 | 91.66 -3.95 -52.69 | 100.02 -4.36 -56.15 | 80.89 -5.47 -30.49 | 92.32 -4.61 -46.55 | 53.19 -3.87 -14.67 | 106.47 -4.26 -57.39 | 86.19 -4.51 -40.98 | 36.20 -3.22 -5.29 | 36.27 -2.75 -9.80 |
| MCINTYRE_115KV_TB2 80467 | 37.36 0.75 0.00 | 29.76 0.63 0.00 | 28.99 0.70 0.81 | 29.10 0.71 0.49 | 28.27 0.69 1.72 | 34.81 0.96 0.00 | 40.09 1.12 0.00 | 35.13 0.65 0.00 | 34.51 0.53 0.00 | 44.18 1.08 0.00 | 45.90 0.67 0.00 | 43.22 0.48 0.00 | 51.20 0.97 0.00 | 45.67 0.55 0.00 | 40.41 0.02 0.00 | 43.11 0.18 0.00 | 48.83 0.60 0.00 | 56.89 1.02 0.00 | 51.41 1.03 0.00 | 43.34 0.96 0.00 | 54.75 1.41 0.00 | 50.88 1.16 0.00 | 34.84 0.72 0.00 | 29.51 0.29 0.00 |
| MECO_____69_KV_BK1 80468 | 38.42 1.81 0.00 | 30.48 1.34 0.00 | 29.88 1.27 0.48 | 29.86 1.28 0.29 | 29.62 1.34 1.02 | 35.48 1.63 0.00 | 41.00 2.03 0.00 | 36.27 1.79 0.00 | 35.60 1.63 0.00 | 45.01 1.91 0.00 | 47.11 1.88 0.00 | 44.13 1.39 0.00 | 52.12 1.88 0.00 | 47.08 1.96 0.00 | 42.02 1.63 0.00 | 44.78 1.86 0.00 | 50.36 2.13 0.00 | 58.33 2.46 0.00 | 52.74 2.35 0.00 | 44.53 2.15 0.00 | 56.50 3.16 0.00 | 52.65 2.93 0.00 | 35.95 1.83 0.00 | 30.61 1.40 0.00 |
| MENANDS___115KV_TB5 355628 | 36.91 0.30 0.00 | 29.44 0.31 0.00 | 29.08 0.35 0.35 | 28.99 0.33 0.22 | 28.89 0.35 0.76 | 34.17 0.32 0.00 | 39.37 0.40 0.00 | 34.94 0.45 0.00 | 34.20 0.22 0.00 | 43.32 0.23 0.00 | 45.52 0.29 0.00 | 43.02 0.27 0.00 | 50.54 0.30 0.00 | 45.54 0.42 0.00 | 40.87 0.48 0.00 | 43.42 0.50 0.00 | 48.31 0.08 0.00 | 56.13 0.26 0.00 | 50.62 0.24 0.00 | 42.66 0.28 0.00 | 53.66 0.31 0.00 | 50.09 0.37 0.00 | 34.44 0.32 0.00 | 29.67 0.45 0.00 |
| MG INDUSTRY___DRP 24185 | 36.98 0.36 0.00 | 29.49 0.36 0.00 | 29.10 0.38 0.37 | 29.03 0.38 0.22 | 28.92 0.40 0.78 | 34.26 0.40 0.00 | 39.42 0.45 0.00 | 34.93 0.45 0.00 | 34.24 0.26 0.00 | 43.31 0.21 0.00 | 45.49 0.27 0.00 | 43.00 0.26 0.00 | 50.51 0.27 0.00 | 45.51 0.40 0.00 | 40.86 0.47 0.00 | 43.39 0.47 0.00 | 48.41 0.18 0.00 | 56.17 0.30 0.00 | 50.67 0.29 0.00 | 42.68 0.30 0.00 | 53.73 0.39 0.00 | 50.18 0.47 0.00 | 34.50 0.38 0.00 | 29.67 0.45 0.00 |

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| MID___OSWEGATCHIE_HYD 23849 | 36.24 -0.37 0.00 | 28.82 -0.31 0.00 | 27.07 -0.37 1.65 | 27.55 -0.31 1.01 | 25.46 -0.33 3.52 | 33.60 -0.25 0.00 | 38.70 -0.26 0.00 | 34.16 -0.33 0.00 | 33.46 -0.52 0.00 | 42.47 -0.63 0.00 | 44.14 -1.09 0.00 | 41.55 -1.19 0.00 | 49.26 -0.97 0.00 | 44.15 -0.97 0.00 | 39.28 -1.11 0.00 | 41.78 -1.15 0.00 | 46.81 -1.42 0.00 | 54.34 -1.53 0.00 | 49.21 -1.18 0.00 | 41.54 -0.84 0.00 | 52.08 -1.26 0.00 | 48.35 -1.37 0.00 | 33.16 -0.97 0.00 | 28.01 -1.21 0.00 |
| MID___RAQUETTE_HYD 23851 | 36.54 -0.07 0.00 | 29.10 -0.03 0.00 | 28.20 0.04 0.93 | 28.36 0.05 0.57 | 27.35 0.02 1.97 | 33.98 0.13 0.00 | 39.06 0.09 0.00 | 34.39 -0.09 0.00 | 33.78 -0.19 0.00 | 43.19 0.10 0.00 | 44.86 -0.37 0.00 | 42.39 -0.36 0.00 | 50.24 0.01 0.00 | 44.86 -0.26 0.00 | 39.63 -0.76 0.00 | 42.16 -0.76 0.00 | 47.54 -0.69 0.00 | 55.26 -0.61 0.00 | 49.93 -0.46 0.00 | 42.08 -0.31 0.00 | 53.00 -0.34 0.00 | 49.32 -0.40 0.00 | 33.89 -0.23 0.00 | 28.71 -0.51 0.00 |
| MILLIKEN___1 23584 | 36.31 -0.30 0.00 | 28.76 -0.37 0.00 | 24.71 -0.48 3.89 | 26.04 -0.46 2.38 | 20.55 -0.45 8.30 | 33.53 -0.31 0.00 | 38.66 -0.31 0.00 | 34.10 -0.38 0.00 | 33.80 -0.17 0.00 | 44.01 -0.37 -1.30 | 47.26 -0.43 -2.46 | 42.20 -0.58 -0.04 | 52.98 -0.72 -3.47 | 47.42 -0.62 -2.92 | 43.97 -0.38 -3.95 | 46.65 -0.40 -4.13 | 52.06 -0.57 -4.40 | 87.86 -0.71 -32.70 | 64.62 -0.52 -14.75 | 54.31 -0.45 -12.38 | 57.34 -0.50 -4.50 | 52.41 -0.52 -3.21 | 37.04 -0.48 -3.39 | 29.58 -0.41 -0.77 |
| MILLIKEN___2 23585 | 36.31 -0.30 0.00 | 28.76 -0.37 0.00 | 24.71 -0.48 3.89 | 26.04 -0.46 2.38 | 20.55 -0.45 8.30 | 33.53 -0.31 0.00 | 38.66 -0.31 0.00 | 34.10 -0.38 0.00 | 33.80 -0.17 0.00 | 44.01 -0.37 -1.30 | 47.26 -0.43 -2.46 | 42.20 -0.58 -0.04 | 52.98 -0.72 -3.47 | 47.42 -0.62 -2.92 | 43.97 -0.38 -3.95 | 46.65 -0.40 -4.13 | 52.06 -0.57 -4.40 | 87.86 -0.71 -32.70 | 64.62 -0.52 -14.75 | 54.31 -0.45 -12.38 | 57.34 -0.50 -4.50 | 52.41 -0.52 -3.21 | 37.04 -0.48 -3.39 | 29.58 -0.41 -0.77 |
| MILLIKEN___DIESEL 23629 | 36.31 -0.30 0.00 | 28.76 -0.37 0.00 | 24.71 -0.48 3.89 | 26.04 -0.46 2.38 | 20.55 -0.45 8.30 | 33.53 -0.31 0.00 | 38.66 -0.31 0.00 | 34.10 -0.38 0.00 | 33.80 -0.17 0.00 | 44.01 -0.37 -1.30 | 47.26 -0.43 -2.46 | 42.20 -0.58 -0.04 | 52.98 -0.72 -3.47 | 47.42 -0.62 -2.92 | 43.97 -0.38 -3.95 | 46.65 -0.40 -4.13 | 52.06 -0.57 -4.40 | 87.86 -0.71 -32.70 | 64.62 -0.52 -14.75 | 54.31 -0.45 -12.38 | 57.34 -0.50 -4.50 | 52.41 -0.52 -3.21 | 37.04 -0.48 -3.39 | 29.58 -0.41 -0.77 |
| MILLSEAT___LFGE 323607 | 34.53 -2.08 0.00 | 27.32 -1.81 0.00 | 24.69 -1.95 2.45 | 25.48 -1.90 1.50 | 22.26 -1.82 5.22 | 32.17 -1.68 0.00 | 36.90 -2.06 0.00 | 31.87 -2.62 0.00 | 31.96 -2.01 0.00 | 37.63 -2.56 2.91 | 37.39 -2.33 5.51 | 39.98 -2.69 0.08 | 44.90 -3.11 2.22 | 36.05 -2.53 6.54 | 29.79 -1.73 8.87 | 31.84 -1.82 9.27 | 36.23 -2.12 9.88 | 36.33 -3.10 16.44 | 35.73 -2.53 12.13 | 33.71 -2.10 6.57 | 40.62 -2.63 10.09 | 39.74 -2.77 7.21 | 30.18 -1.95 1.99 | 25.82 -1.68 1.72 |
| MILLWOOD_138_KV_38W41_REV_LBMP_H 345005 | 37.93 1.32 0.00 | 30.11 0.98 0.00 | 29.42 0.84 0.51 | 29.45 0.89 0.31 | 29.11 0.89 1.08 | 34.83 0.98 0.00 | 40.19 1.23 0.00 | 35.74 1.25 0.00 | 35.27 1.30 0.00 | 44.61 1.51 0.00 | 46.88 1.65 0.00 | 44.46 1.72 0.00 | 52.14 1.91 0.00 | 47.06 1.94 0.00 | 42.45 2.06 0.00 | 45.11 2.19 0.00 | 50.33 2.10 0.00 | 58.15 2.28 0.00 | 52.46 2.07 0.00 | 44.06 1.68 0.00 | 55.37 2.03 0.00 | 51.73 2.01 0.00 | 35.67 1.54 0.00 | 30.67 1.45 0.00 |
| MILLWOOD_13_KV_LOAD 356217 | 37.97 1.36 0.00 | 30.14 1.01 0.00 | 29.45 0.87 0.51 | 29.48 0.92 0.31 | 29.15 0.92 1.08 | 34.88 1.03 0.00 | 40.23 1.27 0.00 | 35.79 1.31 0.00 | 35.31 1.34 0.00 | 44.67 1.58 0.00 | 46.96 1.73 0.00 | 44.53 1.79 0.00 | 52.21 1.98 0.00 | 47.13 2.02 0.00 | 42.52 2.12 0.00 | 45.17 2.25 0.00 | 50.40 2.18 0.00 | 58.24 2.37 0.00 | 52.54 2.15 0.00 | 44.13 1.74 0.00 | 55.45 2.10 0.00 | 51.80 2.08 0.00 | 35.71 1.59 0.00 | 30.71 1.49 0.00 |
| MODEL_CITY_ENERGY 24167 | 33.40 -3.21 0.00 | 26.44 -2.69 0.00 | 23.84 -2.80 2.44 | 24.62 -2.76 1.49 | 21.45 -2.65 5.20 | 31.16 -2.69 0.00 | 35.64 -3.33 0.00 | 30.56 -3.92 0.00 | 30.64 -3.33 0.00 | 35.24 -4.03 3.83 | 34.06 -3.91 7.25 | 38.28 -4.36 0.11 | 42.43 -5.04 2.77 | 32.39 -4.12 8.61 | 25.64 -3.08 11.68 | 27.48 -3.25 12.20 | 31.49 -3.74 13.00 | 30.60 -5.08 20.19 | 30.62 -4.31 15.45 | 30.63 -3.63 8.12 | 35.50 -4.56 13.29 | 35.71 -4.52 9.49 | 28.53 -3.11 2.48 | 24.35 -2.60 2.27 |
| MODERN_LFGE___ 323580 | 33.40 -3.21 0.00 | 26.44 -2.69 0.00 | 23.84 -2.80 2.44 | 24.62 -2.76 1.49 | 21.45 -2.65 5.20 | 31.16 -2.69 0.00 | 35.64 -3.33 0.00 | 30.56 -3.92 0.00 | 30.64 -3.33 0.00 | 35.24 -4.03 3.83 | 34.06 -3.91 7.25 | 38.28 -4.36 0.11 | 42.43 -5.04 2.77 | 32.39 -4.12 8.61 | 25.64 -3.08 11.68 | 27.48 -3.25 12.20 | 31.49 -3.74 13.00 | 30.60 -5.08 20.19 | 30.62 -4.31 15.45 | 30.63 -3.63 8.12 | 35.50 -4.56 13.29 | 35.71 -4.52 9.49 | 28.53 -3.11 2.48 | 24.35 -2.60 2.27 |
| MOHAWK_PAPER___DRP 24187 | 37.10 0.49 0.00 | 29.57 0.44 0.00 | 29.20 0.47 0.35 | 29.12 0.46 0.21 | 29.03 0.48 0.75 | 34.34 0.49 0.00 | 39.57 0.60 0.00 | 35.10 0.62 0.00 | 34.42 0.44 0.00 | 43.62 0.52 0.00 | 45.84 0.61 0.00 | 43.31 0.57 0.00 | 50.88 0.65 0.00 | 45.85 0.73 0.00 | 41.13 0.74 0.00 | 43.73 0.80 0.00 | 48.64 0.41 0.00 | 56.54 0.67 0.00 | 51.01 0.62 0.00 | 42.98 0.60 0.00 | 54.07 0.73 0.00 | 50.39 0.67 0.00 | 34.63 0.51 0.00 | 29.82 0.60 0.00 |
| MOHICAN___35_KV_115KV_LD 80490 | 38.00 1.39 0.00 | 30.34 1.21 0.00 | 29.94 1.21 0.34 | 29.79 1.12 0.21 | 29.73 1.16 0.73 | 35.18 1.33 0.00 | 40.77 1.80 0.00 | 36.29 1.80 0.00 | 35.51 1.54 0.00 | 44.98 1.89 0.00 | 47.33 2.10 0.00 | 44.67 1.93 0.00 | 52.30 2.07 0.00 | 47.07 1.95 0.00 | 42.17 1.78 0.00 | 44.88 1.96 0.00 | 50.17 1.94 0.00 | 58.50 2.63 0.00 | 52.89 2.51 0.00 | 44.65 2.26 0.00 | 56.48 3.14 0.00 | 52.54 2.82 0.00 | 35.88 1.76 0.00 | 30.81 1.59 0.00 |
| MONGAUP___HYD 23641 | 37.76 1.15 0.00 | 29.96 0.83 0.00 | 29.24 0.69 0.55 | 29.26 0.72 0.33 | 28.88 0.74 1.16 | 34.71 0.86 0.00 | 40.03 1.06 0.00 | 35.34 0.86 0.00 | 34.84 0.87 0.00 | 44.13 1.03 0.00 | 46.72 1.50 0.00 | 44.10 1.36 0.00 | 51.80 1.57 0.00 | 46.66 1.55 0.00 | 42.05 1.65 0.00 | 44.90 1.98 0.00 | 50.12 1.89 0.00 | 57.47 1.60 0.00 | 51.94 1.56 0.00 | 43.69 1.31 0.00 | 54.97 1.63 0.00 | 51.24 1.52 0.00 | 35.56 1.44 0.00 | 30.48 1.26 0.00 |
| MONTAUK___DIESEL 23721 | 35.59 2.11 3.13 | 26.88 1.57 3.82 | 27.10 1.86 3.85 | 27.29 2.17 3.76 | 27.32 2.31 4.29 | 32.44 2.60 4.01 | 38.70 3.27 3.54 | 35.69 2.64 1.43 | 39.30 2.28 -3.05 | 47.85 3.39 -1.36 | 48.06 3.88 1.05 | 46.50 3.76 0.01 | 48.80 3.96 5.40 | 51.23 4.09 -2.03 | 49.62 4.67 -4.56 | 50.24 4.44 -2.88 | 51.77 3.54 0.00 | 60.28 4.41 0.00 | 54.69 4.30 0.00 | 45.21 2.83 0.00 | 56.20 2.85 0.00 | 51.34 3.00 1.39 | 31.63 2.03 4.52 | 29.74 1.69 1.18 |
| MOONROAD_115KV_HARTFLD_TB1-2 355988 | 34.50 -2.11 0.00 | 27.14 -1.99 0.00 | 24.41 -2.16 2.52 | 25.20 -2.14 1.54 | 21.77 -2.16 5.37 | 31.88 -1.97 0.00 | 36.78 -2.18 0.00 | 31.70 -2.79 0.00 | 31.83 -2.14 0.00 | 36.41 -2.99 3.69 | 35.35 -2.88 6.99 | 39.48 -3.16 0.11 | 43.17 -4.12 2.94 | 33.18 -3.65 8.30 | 26.37 -2.77 11.25 | 28.36 -2.81 11.76 | 32.32 -3.38 12.53 | 29.35 -4.36 22.15 | 30.68 -3.86 15.85 | 30.32 -3.27 8.80 | 37.53 -3.01 12.81 | 37.13 -3.44 9.14 | 28.88 -2.60 2.65 | 24.91 -2.12 2.19 |

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| MORRIS_RIDGE___SOLAR 323848 | 34.42 -2.19 0.00 | 27.12 -2.01 0.00 | 24.30 -2.12 2.67 | 25.15 -2.10 1.63 | 21.43 -2.19 5.68 | 31.73 -2.12 0.00 | 36.36 -2.60 0.00 | 31.59 -2.88 0.00 | 31.43 -2.53 0.02 | 15.95 -3.46 23.68 | -3.23 -3.58 44.87 | 38.36 -3.71 0.67 | 32.04 -4.51 13.68 | -12.08 -3.97 53.24 | -35.02 -3.20 72.22 | -35.91 -3.38 75.45 | -36.02 -3.83 80.42 | -39.15 -4.86 90.16 | -37.06 -4.12 83.32 | 1.06 -3.47 37.85 | -32.82 -3.97 82.20 | -12.93 -3.97 58.69 | 19.24 -2.84 12.04 | 12.80 -2.39 14.03 |
| MORTIMER_115KV_TB3 55949 | 34.81 -1.81 0.00 | 27.58 -1.55 0.00 | 24.95 -1.67 2.47 | 25.74 -1.63 1.51 | 22.40 -1.64 5.26 | 32.29 -1.56 0.00 | 37.12 -1.85 0.00 | 32.39 -2.09 0.00 | 32.30 -1.68 0.00 | 40.81 -2.29 0.00 | 43.02 -2.21 0.00 | 40.51 -2.24 0.00 | 47.04 -2.67 0.52 | 42.82 -2.30 0.00 | 38.68 -1.71 0.00 | 41.08 -1.84 0.00 | 46.08 -2.15 0.00 | 47.73 -2.91 5.23 | 46.08 -2.45 1.85 | 38.46 -2.05 1.88 | 50.77 -2.57 0.00 | 47.16 -2.56 0.00 | 31.86 -1.76 0.50 | 27.64 -1.57 0.00 |
| MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.55 0.96 0.50 | 29.57 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.37 1.40 0.00 | 35.93 1.45 0.00 | 35.49 1.51 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.43 2.20 0.00 | 47.34 2.22 0.00 | 42.73 2.33 0.00 | 45.39 2.46 0.00 | 50.60 2.37 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.59 2.25 0.00 | 51.97 2.25 0.00 | 35.86 1.73 0.00 | 30.83 1.61 0.00 |
| MUNSVILLE_WIND_PWR 323609 | 38.15 1.54 0.00 | 29.92 0.79 0.00 | 26.85 0.60 2.84 | 27.89 0.75 1.74 | 24.00 0.76 6.06 | 34.92 1.08 0.00 | 40.27 1.31 0.00 | 35.54 1.06 0.00 | 35.42 1.44 0.00 | 45.62 1.60 -0.93 | 48.72 1.74 -1.76 | 43.87 1.10 -0.03 | 53.06 0.93 -1.90 | 47.67 0.47 -2.08 | 43.57 0.35 -2.82 | 46.45 0.57 -2.95 | 52.32 0.95 -3.14 | 74.60 1.04 -17.69 | 59.77 0.77 -8.62 | 49.91 0.63 -6.90 | 56.84 0.28 -3.21 | 52.10 0.09 -2.30 | 35.90 -0.13 -1.91 | 29.58 -0.18 -0.55 |
| N SALMON___HYD 24042 | 36.98 0.37 0.00 | 29.40 0.27 0.00 | 28.91 0.37 0.55 | 28.93 0.40 0.33 | 28.53 0.40 1.17 | 34.41 0.56 0.00 | 40.08 1.11 0.00 | 35.50 1.02 0.00 | 34.82 0.84 0.00 | 44.43 1.33 0.00 | 46.20 0.97 0.00 | 43.50 0.76 0.00 | 50.79 0.56 0.00 | 45.43 0.31 0.00 | 40.28 -0.11 0.00 | 42.88 -0.04 0.00 | 48.43 0.20 0.00 | 56.39 0.52 0.00 | 50.97 0.58 0.00 | 42.83 0.45 0.00 | 53.95 0.61 0.00 | 50.01 0.29 0.00 | 34.20 0.08 0.00 | 28.98 -0.24 0.00 |
| N.AKRON__115KV_KNAPP 355671 | 34.45 -2.16 0.00 | 27.26 -1.88 0.00 | 24.63 -2.01 2.45 | 25.42 -1.96 1.50 | 22.20 -1.88 5.22 | 32.10 -1.75 0.00 | 36.80 -2.16 0.00 | 31.76 -2.72 0.00 | 31.86 -2.12 0.00 | 37.26 -2.69 3.14 | 36.79 -2.49 5.95 | 39.81 -2.85 0.09 | 44.57 -3.31 2.35 | 35.36 -2.70 7.06 | 28.95 -1.87 9.57 | 30.91 -2.01 10.00 | 35.24 -2.33 10.66 | 35.17 -3.33 17.36 | 34.69 -2.74 12.96 | 33.18 -2.25 6.95 | 39.58 -2.86 10.89 | 38.97 -2.96 7.78 | 29.94 -2.07 2.11 | 25.59 -1.77 1.86 |
| N.E_GEN_SANDY PD 24062 | 37.33 0.72 0.00 | 29.68 0.61 0.07 | 29.51 0.74 0.32 | 29.35 0.70 0.22 | 29.24 0.73 0.79 | 34.56 0.71 0.00 | 39.82 0.86 0.01 | 38.80 0.94 -3.38 | 34.39 0.60 0.18 | 44.70 0.85 -0.76 | 47.00 0.89 -0.88 | 43.37 0.76 0.13 | 48.39 0.91 2.75 | 54.78 0.99 -8.67 | 39.69 0.89 1.60 | 44.01 0.93 -0.16 | 47.81 0.40 0.82 | 56.67 0.80 0.00 | 55.69 0.70 -4.60 | 45.05 0.70 -1.97 | 54.31 0.96 0.00 | 51.32 0.95 -0.65 | 31.46 0.72 3.38 | 30.79 0.84 -0.73 |
| N.HEMPST_138_KV_BK345_REV_LBMP_G 345014 | 38.01 1.40 0.00 | 30.15 1.02 0.00 | 29.44 0.87 0.52 | 29.48 0.93 0.32 | 29.13 0.94 1.11 | 34.89 1.04 0.00 | 40.23 1.27 0.00 | 35.77 1.29 0.00 | 35.28 1.31 0.00 | 44.65 1.56 0.00 | 46.95 1.72 0.00 | 44.53 1.78 0.00 | 52.20 1.97 0.00 | 47.12 2.00 0.00 | 42.52 2.12 0.00 | 45.18 2.26 0.00 | 50.42 2.19 0.00 | 58.27 2.40 0.00 | 52.57 2.18 0.00 | 44.16 1.78 0.00 | 55.51 2.17 0.00 | 51.83 2.12 0.00 | 35.73 1.61 0.00 | 30.74 1.52 0.00 |
| N.QUEENS_27_KV_LOAD 356247 | 38.08 1.47 0.00 | 30.28 1.15 0.00 | 29.53 0.95 0.50 | 29.59 1.03 0.31 | 29.25 1.03 1.08 | 34.97 1.12 0.00 | 40.41 1.44 -0.01 | 36.07 1.54 -0.05 | 35.73 1.55 -0.21 | 45.01 1.60 -0.31 | 47.59 1.87 -0.49 | 45.06 2.07 -0.25 | 57.93 2.41 -5.28 | 47.39 2.27 0.00 | 45.99 2.49 -3.11 | 45.49 2.57 0.00 | 50.65 2.42 0.00 | 58.47 2.60 0.00 | 52.71 2.33 0.00 | 44.24 1.86 0.00 | 55.50 2.16 0.00 | 52.91 2.20 -0.99 | 42.43 1.73 -6.58 | 30.81 1.59 -0.01 |
| N.TROY___115KV_TB1 355778 | 37.25 0.65 0.00 | 29.68 0.55 0.00 | 29.35 0.61 0.34 | 29.25 0.59 0.21 | 29.17 0.60 0.73 | 34.48 0.63 0.00 | 39.75 0.78 0.00 | 35.31 0.82 0.00 | 34.54 0.57 0.00 | 43.88 0.79 0.00 | 46.04 0.82 0.00 | 43.48 0.74 0.00 | 51.07 0.84 0.00 | 46.01 0.89 0.00 | 41.23 0.84 0.00 | 43.82 0.90 0.00 | 48.80 0.57 0.00 | 56.77 0.90 0.00 | 51.25 0.87 0.00 | 43.19 0.80 0.00 | 54.39 1.05 0.00 | 50.74 1.02 0.00 | 34.81 0.69 0.00 | 29.97 0.75 0.00 |
| NARROWS_GT1_1 24228 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT1_2 24229 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT1_3 24230 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT1_4 24231 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT1_5 24232 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| NARROWS_GT1_6 24233 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT1_7 24234 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT1_8 24235 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT2_1 24236 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT2_2 24237 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT2_3 24238 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT2_4 24239 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT2_5 24240 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT2_6 24241 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT2_7 24242 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NARROWS_GT2_8 24243 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.22 1.99 0.00 | 44.86 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.51 0.00 | 45.52 2.59 0.00 | 50.70 2.47 0.00 | 58.51 2.64 0.00 | 52.77 2.39 0.00 | 44.33 1.94 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022 | 37.41 0.80 0.00 | 29.83 0.69 0.00 | 29.40 0.70 0.39 | 29.34 0.70 0.24 | 29.21 0.74 0.84 | 34.69 0.84 0.00 | 40.02 1.05 0.00 | 35.57 1.08 0.00 | 34.83 0.85 0.00 | 44.03 0.93 0.00 | 46.27 1.04 0.00 | 43.68 0.94 0.00 | 51.31 1.08 0.00 | 46.23 1.11 0.00 | 41.52 1.12 0.00 | 44.08 1.16 0.00 | 49.23 1.00 0.00 | 57.21 1.35 0.00 | 51.68 1.29 0.00 | 43.56 1.18 0.00 | 54.84 1.50 0.00 | 51.12 1.40 0.00 | 35.09 0.97 0.00 | 30.13 0.91 0.00 |
| NCHELSEA_115KV_TR2 355582 | 38.17 1.56 0.00 | 30.30 1.17 0.00 | 29.61 1.03 0.50 | 29.63 1.06 0.31 | 29.31 1.09 1.08 | 35.08 1.23 0.00 | 40.50 1.53 0.00 | 36.02 1.54 0.00 | 35.55 1.57 0.00 | 44.97 1.88 0.00 | 47.27 2.04 0.00 | 44.80 2.06 0.00 | 52.57 2.33 0.00 | 47.44 2.32 0.00 | 42.77 2.38 0.00 | 45.45 2.53 0.00 | 50.69 2.46 0.00 | 58.62 2.75 0.00 | 52.87 2.48 0.00 | 44.43 2.05 0.00 | 55.84 2.50 0.00 | 52.10 2.38 0.00 | 35.91 1.79 0.00 | 30.83 1.61 0.00 |
| NEG CAPITAL___MECHNVIL 23645 | 37.78 1.17 0.00 | 30.09 0.96 0.00 | 29.74 1.00 0.34 | 29.62 0.96 0.21 | 29.55 0.99 0.73 | 34.97 1.12 0.00 | 40.38 1.42 0.00 | 35.86 1.38 0.00 | 35.11 1.14 0.00 | 44.54 1.44 0.00 | 46.77 1.54 0.00 | 44.17 1.43 0.00 | 51.84 1.61 0.00 | 46.65 1.54 0.00 | 41.85 1.46 0.00 | 44.51 1.59 0.00 | 49.74 1.51 0.00 | 57.80 1.93 0.00 | 52.19 1.80 0.00 | 43.99 1.61 0.00 | 55.49 2.14 0.00 | 51.71 1.99 0.00 | 35.42 1.30 0.00 | 30.43 1.21 0.00 |
| NEG CENTRAL_HIGH_ACRES 23767 | 34.45 -2.16 0.00 | 27.31 -1.83 0.00 | 24.42 -1.91 2.76 | 25.31 -1.87 1.68 | 21.55 -1.88 5.88 | 31.98 -1.87 0.00 | 36.81 -2.16 0.00 | 32.20 -2.28 0.00 | 32.02 -1.96 0.00 | 40.46 -2.63 0.00 | 42.61 -2.62 0.00 | 40.10 -2.64 0.00 | 46.76 -3.09 0.38 | 42.40 -2.72 0.00 | 38.27 -2.12 0.00 | 40.65 -2.28 0.00 | 45.53 -2.70 0.00 | 48.59 -3.45 3.83 | 46.07 -2.97 1.35 | 38.52 -2.49 1.36 | 50.20 -3.14 0.00 | 46.64 -3.07 0.00 | 31.63 -2.13 0.36 | 27.33 -1.89 0.00 |

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| NEG CENTRAL___DRP 24199 | 35.39 -1.22 0.00 | 28.04 -1.09 0.00 | 23.82 -1.19 4.08 | 25.21 -1.17 2.50 | 19.42 -1.18 8.70 | 32.75 -1.10 0.00 | 37.74 -1.23 0.00 | 33.20 -1.28 0.00 | 32.93 -1.05 0.00 | 43.25 -1.44 -1.60 | 46.78 -1.49 -3.04 | 41.22 -1.57 -0.04 | 48.59 -1.87 -0.23 | 47.10 -1.61 -3.60 | 44.05 -1.23 -4.88 | 46.66 -1.37 -5.10 | 52.03 -1.63 -5.44 | 52.92 -2.06 0.89 | 51.70 -1.82 -3.14 | 40.89 -1.53 -0.04 | 57.04 -1.86 -5.56 | 51.90 -1.79 -3.97 | 32.98 -1.29 -0.14 | 29.06 -1.11 -0.95 |
| NEG CENTRAL___INDECK 23768 | 35.58 -1.04 0.00 | 28.06 -1.07 0.00 | 25.27 -1.18 2.65 | 26.10 -1.15 1.62 | 22.50 -1.16 5.64 | 32.94 -0.91 0.00 | 37.96 -1.01 0.00 | 33.10 -1.39 0.00 | 32.92 -1.07 -0.01 | 58.47 -1.59 -16.96 | 75.81 -1.57 -32.14 | 41.40 -1.82 -0.48 | 55.43 -2.24 -7.44 | 81.08 -2.17 -38.13 | 90.50 -1.62 -51.73 | 95.36 -1.62 -54.05 | 104.27 -1.56 -57.60 | 94.38 -2.26 -40.77 | 99.94 -1.63 -51.19 | 59.58 -1.33 -18.53 | 110.78 -1.44 -58.88 | 90.10 -1.65 -42.04 | 39.19 -1.28 -6.35 | 38.06 -1.21 -10.05 |
| NEG CENTRAL___SENECA 23627 | 35.42 -1.19 0.00 | 28.02 -1.11 0.00 | 24.56 -1.22 3.30 | 25.66 -1.20 2.02 | 21.05 -1.21 7.04 | 32.77 -1.08 0.00 | 37.73 -1.23 0.00 | 33.14 -1.34 0.00 | 32.95 -1.03 0.00 | 44.15 -1.48 -2.54 | 48.56 -1.48 -4.81 | 41.21 -1.61 -0.07 | 48.45 -1.97 -0.20 | 49.11 -1.72 -5.71 | 46.85 -1.29 -7.74 | 49.61 -1.40 -8.09 | 55.20 -1.65 -8.62 | 50.49 -2.16 3.23 | 52.77 -1.92 -4.31 | 40.17 -1.59 0.62 | 60.24 -1.92 -8.81 | 54.12 -1.89 -6.29 | 32.83 -1.35 -0.05 | 29.57 -1.15 -1.51 |
| NEG CENTRAL___STATE_STREET 24147 | 35.72 -0.89 0.00 | 28.34 -0.79 0.00 | 23.60 -0.87 4.61 | 25.20 -0.85 2.82 | 18.62 -0.84 9.84 | 33.07 -0.78 0.00 | 38.13 -0.84 0.00 | 33.60 -0.88 0.00 | 33.18 -0.80 0.00 | 42.06 -1.04 0.00 | 44.01 -1.22 0.00 | 41.44 -1.30 0.00 | 49.20 -1.36 -0.33 | 43.98 -1.13 0.00 | 39.56 -0.83 0.00 | 41.98 -0.94 0.00 | 46.93 -1.30 0.00 | 57.76 -1.47 -3.35 | 50.32 -1.32 -1.25 | 42.51 -1.14 -1.27 | 51.97 -1.37 0.00 | 48.49 -1.23 0.00 | 33.55 -0.91 -0.34 | 28.43 -0.79 0.00 |
| NEG MILLWOOD___DRP 24198 | 38.17 1.56 0.00 | 30.30 1.17 0.00 | 29.61 1.02 0.50 | 29.63 1.06 0.30 | 29.32 1.08 1.06 | 35.08 1.23 0.00 | 40.51 1.55 0.00 | 36.04 1.56 0.00 | 35.58 1.60 0.00 | 45.01 1.92 0.00 | 47.30 2.08 0.00 | 44.84 2.10 0.00 | 52.61 2.38 0.00 | 47.47 2.35 0.00 | 42.82 2.43 0.00 | 45.51 2.58 0.00 | 50.78 2.55 0.00 | 58.72 2.85 0.00 | 52.96 2.58 0.00 | 44.49 2.11 0.00 | 55.91 2.57 0.00 | 52.19 2.47 0.00 | 35.96 1.84 0.00 | 30.88 1.66 0.00 |
| NEG NORTH_FLCN_SEA 23793 | 37.34 0.73 0.00 | 29.68 0.55 0.00 | 29.38 0.66 0.37 | 29.31 0.67 0.23 | 29.15 0.65 0.79 | 34.66 0.81 0.00 | 39.94 0.97 0.00 | 35.25 0.76 0.00 | 34.63 0.65 0.00 | 43.84 0.75 0.00 | 45.86 0.63 0.00 | 43.38 0.63 0.00 | 51.16 0.93 0.00 | 45.83 0.71 0.00 | 40.70 0.31 0.00 | 43.33 0.41 0.00 | 48.80 0.57 0.00 | 56.83 0.97 0.00 | 51.39 1.01 0.00 | 43.09 0.70 0.00 | 54.31 0.97 0.00 | 50.25 0.54 0.00 | 34.29 0.17 0.00 | 29.17 -0.05 0.00 |
| NEG NORTH_KES_CHATEGAY 23792 | 36.93 0.32 0.00 | 29.37 0.24 0.00 | 29.00 0.34 0.42 | 29.00 0.38 0.26 | 28.77 0.37 0.89 | 34.35 0.50 0.00 | 39.49 0.53 0.00 | 34.74 0.26 0.00 | 34.16 0.18 0.00 | 43.30 0.21 0.00 | 45.26 0.03 0.00 | 42.84 0.10 0.00 | 50.58 0.36 0.00 | 45.23 0.12 0.00 | 40.19 -0.20 0.00 | 42.76 -0.17 0.00 | 48.29 0.06 0.00 | 56.20 0.33 0.00 | 50.78 0.40 0.00 | 42.66 0.28 0.00 | 53.74 0.40 0.00 | 49.78 0.06 0.00 | 34.05 -0.07 0.00 | 28.89 -0.33 0.00 |
| NEG NORTH___ALICE_FALLS 23915 | 37.31 0.70 0.00 | 29.65 0.52 0.00 | 29.33 0.62 0.38 | 29.28 0.64 0.23 | 29.12 0.63 0.81 | 34.66 0.81 0.00 | 39.94 0.97 0.00 | 35.22 0.73 0.00 | 34.63 0.65 0.00 | 43.82 0.73 0.00 | 45.83 0.60 0.00 | 43.36 0.62 0.00 | 51.12 0.89 0.00 | 45.79 0.67 0.00 | 40.63 0.24 0.00 | 43.25 0.33 0.00 | 48.75 0.52 0.00 | 56.78 0.91 0.00 | 51.38 0.99 0.00 | 43.14 0.75 0.00 | 54.36 1.02 0.00 | 50.31 0.59 0.00 | 34.32 0.19 0.00 | 29.17 -0.05 0.00 |
| NEG NORTH___LWR_SARANAC 23913 | 37.31 0.70 0.00 | 29.65 0.52 0.00 | 29.33 0.62 0.38 | 29.28 0.64 0.23 | 29.12 0.63 0.81 | 34.66 0.81 0.00 | 39.94 0.97 0.00 | 35.22 0.73 0.00 | 34.63 0.65 0.00 | 43.82 0.73 0.00 | 45.83 0.60 0.00 | 43.36 0.62 0.00 | 51.12 0.89 0.00 | 45.79 0.67 0.00 | 40.63 0.24 0.00 | 43.25 0.33 0.00 | 48.75 0.52 0.00 | 56.78 0.91 0.00 | 51.38 0.99 0.00 | 43.14 0.75 0.00 | 54.36 1.02 0.00 | 50.31 0.59 0.00 | 34.32 0.19 0.00 | 29.17 -0.05 0.00 |
| NEG NORTH___PLATTSBURG 23628 | 37.31 0.70 0.00 | 29.65 0.52 0.00 | 29.33 0.62 0.38 | 29.28 0.64 0.23 | 29.12 0.63 0.81 | 34.65 0.81 0.00 | 39.94 0.97 0.00 | 35.22 0.74 0.00 | 34.62 0.65 0.00 | 43.82 0.73 0.00 | 45.83 0.60 0.00 | 43.36 0.62 0.00 | 51.11 0.88 0.00 | 45.79 0.67 0.00 | 40.63 0.24 0.00 | 43.25 0.33 0.00 | 48.75 0.52 0.00 | 56.78 0.91 0.00 | 51.38 0.99 0.00 | 43.14 0.75 0.00 | 54.36 1.02 0.00 | 50.31 0.59 0.00 | 34.32 0.19 0.00 | 29.17 -0.05 0.00 |
| NEG WEST_LEA_LOCKPORT 23791 | 33.73 -2.88 0.00 | 26.70 -2.44 0.00 | 24.07 -2.58 2.44 | 24.86 -2.52 1.49 | 21.63 -2.46 5.21 | 31.40 -2.45 0.00 | 35.92 -3.04 0.00 | 30.90 -3.59 0.00 | 30.97 -3.00 0.00 | 35.42 -3.75 3.92 | 34.15 -3.65 7.43 | 38.66 -3.97 0.11 | 42.77 -4.65 2.81 | 32.44 -3.86 8.82 | 25.55 -2.88 11.96 | 27.35 -3.08 12.49 | 31.37 -3.55 13.32 | 30.66 -4.82 20.38 | 30.58 -4.08 15.72 | 30.78 -3.38 8.22 | 35.46 -4.27 13.61 | 35.79 -4.21 9.72 | 28.73 -2.88 2.51 | 24.47 -2.43 2.32 |
| NEG WEST___LANCASTR 23811 | 34.81 -1.80 0.00 | 27.51 -1.62 0.00 | 24.78 -1.79 2.51 | 25.60 -1.74 1.54 | 22.21 -1.73 5.36 | 32.21 -1.64 0.00 | 36.84 -2.12 0.00 | 31.96 -2.52 0.00 | 32.08 -1.90 0.00 | 36.71 -2.38 4.01 | 35.36 -2.28 7.59 | 39.98 -2.64 0.11 | 43.95 -3.22 3.06 | 33.40 -2.71 9.01 | 26.28 -1.89 12.22 | 28.14 -2.02 12.77 | 32.27 -2.35 13.61 | 29.68 -3.44 22.75 | 30.84 -2.80 16.75 | 30.94 -2.36 9.08 | 36.63 -2.80 13.91 | 37.00 -2.79 9.93 | 29.41 -1.96 2.75 | 25.26 -1.58 2.37 |
| NEG_PENN_ALLEGHNY 23528 | 36.08 -0.53 0.00 | 28.56 -0.57 0.00 | 25.56 -0.69 2.84 | 26.45 -0.68 1.74 | 22.55 -0.69 6.06 | 33.25 -0.60 0.00 | 38.21 -0.75 0.00 | 33.71 -0.78 0.00 | 33.51 -0.47 0.00 | 42.32 -0.78 0.00 | 44.48 -0.75 0.00 | 41.89 -0.86 0.00 | 48.67 -1.17 0.39 | 44.14 -0.98 0.00 | 39.72 -0.67 0.00 | 42.18 -0.74 0.00 | 47.27 -0.96 0.00 | 50.98 -1.37 3.52 | 48.54 -1.02 0.83 | 40.63 -0.92 0.84 | 52.32 -1.02 0.00 | 48.68 -1.03 0.00 | 33.14 -0.76 0.22 | 28.65 -0.57 0.00 |
| NEG___GEN_MONROE 24207 | 34.98 -1.63 0.00 | 27.70 -1.43 0.00 | 25.07 -1.55 2.47 | 25.85 -1.52 1.51 | 22.53 -1.51 5.26 | 32.47 -1.38 0.00 | 37.34 -1.62 0.00 | 32.54 -1.95 0.00 | 32.47 -1.50 0.00 | 41.03 -2.06 0.00 | 43.33 -1.91 0.00 | 40.73 -2.02 0.00 | 47.28 -2.42 0.53 | 43.09 -2.03 0.00 | 38.94 -1.45 0.00 | 41.37 -1.56 0.00 | 46.40 -1.83 0.00 | 48.00 -2.53 5.34 | 46.41 -2.08 1.89 | 38.72 -1.75 1.91 | 51.15 -2.19 0.00 | 47.47 -2.25 0.00 | 32.05 -1.56 0.51 | 27.81 -1.41 0.00 |
| NEPA___ENERGY 23901 | 34.72 -1.89 0.00 | 27.35 -1.78 0.00 | 24.58 -2.00 2.51 | 25.36 -1.98 1.54 | 21.93 -2.01 5.36 | 32.01 -1.85 0.00 | 36.59 -2.38 0.00 | 31.77 -2.71 0.00 | 31.96 -2.01 0.00 | 35.89 -2.77 4.44 | 34.15 -2.67 8.41 | 39.65 -2.96 0.13 | 43.19 -3.76 3.28 | 31.94 -3.21 9.97 | 24.39 -2.47 13.53 | 26.19 -2.60 14.13 | 30.13 -3.04 15.06 | 27.49 -4.26 24.12 | 28.71 -3.51 18.16 | 29.76 -2.96 9.67 | 34.73 -3.21 15.40 | 35.47 -3.26 10.99 | 28.84 -2.34 2.94 | 24.78 -1.82 2.63 |

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|-------------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|
| NEVERSINK___HYD 23608 | 38.35 1.74 0.00 | 30.57 1.44 0.00 | 29.87 1.34 0.55 | 29.93 1.39 0.34 | 29.55 1.42 1.17 | 35.52 1.67 0.00 | 41.01 2.05 0.00 | 36.44 1.96 0.00 | 35.99 2.02 0.00 | 45.60 2.51 0.00 | 47.98 2.75 0.00 | 45.44 2.70 0.00 | 53.31 3.08 0.00 | 48.06 2.95 0.00 | 43.28 2.89 0.00 | 46.00 3.07 0.00 | 51.41 3.18 0.00 | 59.48 3.61 0.00 | 53.69 3.31 0.00 | 45.09 2.71 0.00 | 56.70 3.36 0.00 | 52.76 3.05 0.00 | 36.36 2.23 0.00 | 31.17 1.95 0.00 |
| NEWKRMKL_115KV_TB1 55635 | 36.73 0.12 0.00 | 29.31 0.18 0.00 | 28.94 0.21 0.35 | 28.86 0.20 0.22 | 28.77 0.22 0.76 | 34.03 0.18 0.00 | 39.19 0.23 0.00 | 34.78 0.30 0.00 | 34.09 0.11 0.00 | 43.12 0.02 0.00 | 45.31 0.07 0.00 | 42.83 0.09 0.00 | 50.31 0.08 0.00 | 45.35 0.23 0.00 | 40.72 0.32 0.00 | 43.24 0.31 0.00 | 48.13 -0.10 0.00 | 55.91 0.05 0.00 | 50.43 0.05 0.00 | 42.48 0.10 0.00 | 53.41 0.07 0.00 | 49.89 0.17 0.00 | 34.31 0.18 0.00 | 29.56 0.34 0.00 |
| NEWTON___FALLS_HYD 23847 | 36.24 -0.37 0.00 | 28.82 -0.31 0.00 | 27.07 -0.37 1.65 | 27.55 -0.31 1.01 | 25.46 -0.33 3.52 | 33.60 -0.25 0.00 | 38.70 -0.26 0.00 | 34.16 -0.33 0.00 | 33.46 -0.52 0.00 | 42.47 -0.63 0.00 | 44.14 -1.09 0.00 | 41.55 -1.19 0.00 | 49.26 -0.97 0.00 | 44.15 -0.97 0.00 | 39.28 -1.11 0.00 | 41.78 -1.15 0.00 | 46.81 -1.42 0.00 | 54.34 -1.53 0.00 | 49.21 -1.18 0.00 | 41.54 -0.84 0.00 | 52.08 -1.26 0.00 | 48.35 -1.37 0.00 | 33.16 -0.97 0.00 | 28.01 -1.21 0.00 |
| NGRID_A1_DSASP 323792 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.31 -2.83 5.16 | 30.94 -2.91 0.00 | 35.37 -3.60 0.00 | 30.44 -4.05 0.00 | 30.56 -3.42 0.00 | 34.69 -4.46 3.94 | 33.39 -4.38 7.47 | 38.15 -4.48 0.11 | 42.07 -5.33 2.83 | 31.86 -4.40 8.86 | 25.02 -3.36 12.01 | 26.80 -3.57 12.55 | 30.70 -4.15 13.38 | 29.67 -5.59 20.61 | 29.76 -4.79 15.84 | 30.11 -3.98 8.30 | 34.39 -5.27 13.67 | 34.89 -5.06 9.76 | 28.30 -3.29 2.53 | 24.15 -2.74 2.33 |
| NGRID_A2_DSASP 323793 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.31 -2.83 5.16 | 30.94 -2.91 0.00 | 35.37 -3.60 0.00 | 30.44 -4.05 0.00 | 30.56 -3.42 0.00 | 34.69 -4.46 3.94 | 33.39 -4.38 7.47 | 38.15 -4.48 0.11 | 42.07 -5.33 2.83 | 31.86 -4.40 8.86 | 25.02 -3.36 12.01 | 26.80 -3.57 12.55 | 30.70 -4.15 13.38 | 29.67 -5.59 20.61 | 29.76 -4.79 15.84 | 30.11 -3.98 8.30 | 34.39 -5.27 13.67 | 34.89 -5.06 9.76 | 28.30 -3.29 2.53 | 24.15 -2.74 2.33 |
| NGRID_A4_DSASP 323807 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.31 -2.83 5.16 | 30.94 -2.91 0.00 | 35.37 -3.60 0.00 | 30.44 -4.05 0.00 | 30.56 -3.42 0.00 | 34.69 -4.46 3.94 | 33.39 -4.38 7.47 | 38.15 -4.48 0.11 | 42.07 -5.33 2.83 | 31.86 -4.40 8.86 | 25.02 -3.36 12.01 | 26.80 -3.57 12.55 | 30.70 -4.15 13.38 | 29.67 -5.59 20.61 | 29.76 -4.79 15.84 | 30.11 -3.98 8.30 | 34.39 -5.27 13.67 | 34.89 -5.06 9.76 | 28.30 -3.29 2.53 | 24.15 -2.74 2.33 |
| NIAGARA_115E_LBMP 323715 | 33.22 -3.39 0.00 | 26.29 -2.84 0.00 | 23.71 -2.94 2.44 | 24.50 -2.89 1.49 | 21.35 -2.75 5.19 | 31.02 -2.83 0.00 | 35.45 -3.51 0.00 | 30.37 -4.12 0.00 | 30.45 -3.52 0.00 | 34.96 -4.22 3.92 | 33.70 -4.11 7.42 | 38.03 -4.60 0.11 | 42.11 -5.29 2.82 | 31.99 -4.32 8.81 | 25.21 -3.24 11.95 | 27.03 -3.41 12.48 | 30.99 -3.93 13.30 | 29.96 -5.33 20.58 | 30.08 -4.52 15.78 | 30.28 -3.81 8.29 | 34.95 -4.80 13.60 | 35.27 -4.73 9.71 | 28.32 -3.27 2.53 | 24.18 -2.72 2.32 |
| NIAGARA_115W_LBMP 323714 | 33.22 -3.39 0.00 | 26.30 -2.83 0.00 | 23.72 -2.95 2.42 | 24.50 -2.90 1.48 | 21.24 -2.91 5.15 | 30.84 -3.01 0.00 | 35.25 -3.71 0.00 | 30.33 -4.15 0.00 | 30.45 -3.52 0.00 | 34.59 -4.61 3.90 | 33.31 -4.52 7.39 | 38.01 -4.62 0.11 | 41.94 -5.48 2.81 | 31.82 -4.53 8.77 | 25.03 -3.47 11.90 | 26.80 -3.69 12.43 | 30.71 -4.27 13.25 | 29.69 -5.74 20.45 | 29.76 -4.93 15.70 | 30.07 -4.08 8.23 | 34.34 -5.46 13.54 | 34.82 -5.23 9.67 | 28.23 -3.38 2.51 | 24.11 -2.80 2.31 |
| NIAGARA_230_LBMP 323716 | 33.52 -3.09 0.00 | 26.54 -2.60 0.00 | 23.96 -2.73 2.40 | 24.74 -2.67 1.47 | 21.48 -2.70 5.11 | 31.12 -2.73 0.00 | 35.58 -3.38 0.00 | 30.66 -3.82 0.00 | 30.76 -3.22 0.00 | 35.22 -4.19 3.68 | 34.12 -4.13 6.98 | 38.37 -4.27 0.10 | 42.52 -5.04 2.67 | 32.54 -4.30 8.28 | 25.85 -3.32 11.23 | 27.68 -3.51 11.73 | 31.66 -4.07 12.51 | 30.91 -5.46 19.50 | 30.83 -4.66 14.89 | 30.63 -3.91 7.84 | 35.65 -4.92 12.78 | 35.82 -4.77 9.12 | 28.55 -3.18 2.39 | 24.35 -2.69 2.18 |
| NIAGARA___115KV_198_GIBSON 55903 | 33.22 -3.39 0.00 | 26.30 -2.83 0.00 | 23.72 -2.95 2.42 | 24.50 -2.90 1.48 | 21.26 -2.89 5.15 | 30.84 -3.01 0.00 | 35.25 -3.71 0.00 | 30.34 -4.14 0.00 | 30.44 -3.53 0.00 | 34.57 -4.62 3.90 | 33.28 -4.55 7.39 | 38.01 -4.62 0.11 | 41.92 -5.50 2.81 | 31.79 -4.56 8.77 | 25.00 -3.49 11.90 | 26.72 -3.77 12.43 | 30.65 -4.33 13.25 | 29.65 -5.77 20.45 | 29.71 -4.98 15.70 | 30.05 -4.11 8.23 | 34.29 -5.51 13.54 | 34.81 -5.24 9.67 | 28.20 -3.41 2.51 | 24.08 -2.83 2.31 |
| NIAGARA____ 23760 | 33.52 -3.09 0.00 | 26.54 -2.60 0.00 | 23.95 -2.73 2.41 | 24.73 -2.67 1.47 | 21.47 -2.70 5.13 | 31.12 -2.73 0.00 | 35.58 -3.38 0.00 | 30.66 -3.82 0.00 | 30.76 -3.22 0.00 | 35.16 -4.19 3.74 | 34.01 -4.13 7.09 | 38.37 -4.27 0.11 | 42.47 -5.04 2.72 | 32.42 -4.30 8.39 | 25.70 -3.32 11.37 | 27.52 -3.51 11.89 | 31.50 -4.07 12.66 | 30.70 -5.46 19.70 | 30.66 -4.66 15.06 | 30.55 -3.91 7.92 | 35.42 -4.92 13.00 | 35.66 -4.77 9.28 | 28.53 -3.18 2.42 | 24.31 -2.69 2.22 |
| NINE_MILE_1 23575 | 34.85 -1.77 0.00 | 27.66 -1.47 0.00 | 19.63 -1.52 7.93 | 22.52 -1.50 4.85 | 10.86 -1.52 16.91 | 32.21 -1.63 0.00 | 37.10 -1.86 0.00 | 32.75 -1.74 0.00 | 32.38 -1.60 0.00 | 40.96 -2.14 0.00 | 43.02 -2.21 0.00 | 40.58 -2.16 0.00 | 47.69 -2.54 0.00 | 42.91 -2.21 0.00 | 38.56 -1.83 0.00 | 40.96 -1.96 0.00 | 45.91 -2.32 0.00 | 53.08 -2.79 0.00 | 47.93 -2.46 0.00 | 40.32 -2.06 0.00 | 50.77 -2.57 0.00 | 47.26 -2.46 0.00 | 32.42 -1.70 0.00 | 27.75 -1.46 0.00 |
| NINE_MILE_2 23744 | 34.85 -1.77 0.00 | 27.66 -1.47 0.00 | 19.61 -1.52 7.96 | 22.51 -1.50 4.87 | 10.81 -1.52 16.97 | 32.21 -1.63 0.00 | 37.11 -1.86 0.00 | 32.75 -1.74 0.00 | 32.38 -1.60 0.00 | 40.96 -2.13 0.00 | 43.02 -2.21 0.00 | 40.59 -2.16 0.00 | 47.69 -2.54 0.00 | 42.91 -2.21 0.00 | 38.56 -1.83 0.00 | 40.96 -1.96 0.00 | 45.91 -2.32 0.00 | 53.08 -2.79 0.00 | 47.93 -2.46 0.00 | 40.32 -2.06 0.00 | 50.77 -2.57 0.00 | 47.26 -2.46 0.00 | 32.42 -1.70 0.00 | 27.76 -1.46 0.00 |
| NM_CAPITAL___DRP 24208 | 36.84 0.22 0.00 | 29.38 0.25 0.00 | 29.02 0.29 0.36 | 28.93 0.27 0.22 | 28.83 0.29 0.76 | 34.10 0.25 0.00 | 39.28 0.31 0.00 | 34.85 0.37 0.00 | 34.13 0.15 0.00 | 43.22 0.13 0.00 | 45.40 0.17 0.00 | 42.91 0.16 0.00 | 50.42 0.18 0.00 | 45.44 0.32 0.00 | 40.79 0.39 0.00 | 43.32 0.39 0.00 | 48.20 -0.03 0.00 | 55.99 0.12 0.00 | 50.51 0.12 0.00 | 42.56 0.18 0.00 | 53.53 0.19 0.00 | 49.96 0.25 0.00 | 34.36 0.24 0.00 | 29.62 0.40 0.00 |
| NM_CENTRAL___DRP 24181 | 35.60 -1.01 0.00 | 28.23 -0.90 0.00 | 23.18 -0.99 4.92 | 24.90 -0.97 3.01 | 17.84 -0.97 10.49 | 32.89 -0.96 0.00 | 37.91 -1.05 0.00 | 33.47 -1.01 0.00 | 33.14 -0.83 0.00 | 41.89 -1.20 0.00 | 44.03 -1.20 0.00 | 41.52 -1.23 0.00 | 48.76 -1.48 0.00 | 43.89 -1.22 0.00 | 39.48 -0.91 0.00 | 41.93 -1.00 0.00 | 46.96 -1.26 0.00 | 54.27 -1.60 0.00 | 49.02 -1.36 0.00 | 41.23 -1.15 0.00 | 51.95 -1.39 0.00 | 48.36 -1.36 0.00 | 33.13 -0.99 0.00 | 28.37 -0.85 0.00 |

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| NM_FRONTIER___DRP 24179 | 33.22 -3.39 0.00 | 26.30 -2.83 0.00 | 23.72 -2.95 2.42 | 24.50 -2.90 1.48 | 21.26 -2.89 5.15 | 30.84 -3.01 0.00 | 35.25 -3.71 0.00 | 30.34 -4.14 0.00 | 30.44 -3.53 0.00 | 34.57 -4.62 3.90 | 33.28 -4.55 7.39 | 38.01 -4.62 0.11 | 41.92 -5.50 2.81 | 31.79 -4.56 8.77 | 25.00 -3.49 11.90 | 26.72 -3.77 12.43 | 30.65 -4.33 13.25 | 29.65 -5.77 20.45 | 29.71 -4.98 15.70 | 30.05 -4.11 8.23 | 34.29 -5.51 13.54 | 34.81 -5.24 9.67 | 28.20 -3.41 2.51 | 24.08 -2.83 2.31 |
| NM_ST_REGIS___HYD 24053 | 36.69 0.08 0.00 | 29.21 0.07 0.00 | 28.38 0.14 0.85 | 28.52 0.16 0.52 | 27.64 0.15 1.81 | 34.13 0.28 0.00 | 39.36 0.40 0.00 | 34.70 0.22 0.00 | 34.06 0.08 0.00 | 43.52 0.43 0.00 | 45.21 -0.02 0.00 | 42.67 -0.08 0.00 | 50.39 0.16 0.00 | 45.02 -0.10 0.00 | 39.82 -0.58 0.00 | 42.36 -0.57 0.00 | 47.81 -0.42 0.00 | 55.61 -0.27 0.00 | 50.25 -0.14 0.00 | 42.30 -0.08 0.00 | 53.30 -0.04 0.00 | 49.54 -0.17 0.00 | 34.00 -0.13 0.00 | 28.79 -0.43 0.00 |
| NORTHPORT___1 23551 | 35.08 1.98 3.51 | 26.21 1.37 4.30 | 26.14 1.31 4.26 | 26.10 1.41 4.18 | 26.10 1.49 4.69 | 31.02 1.75 4.58 | 37.00 2.10 4.06 | 34.41 1.95 2.03 | 38.27 1.90 -2.39 | 46.23 2.44 -0.69 | 45.82 2.57 1.97 | 44.90 2.66 0.50 | 42.60 2.82 10.45 | 49.25 2.64 -1.48 | 45.79 2.87 -2.53 | 48.17 2.91 -2.34 | 50.93 2.70 0.00 | 58.73 2.86 0.00 | 53.14 2.76 0.00 | 44.56 2.17 0.00 | 55.79 2.44 0.00 | 50.87 2.63 1.48 | 30.16 2.12 6.08 | 29.63 1.96 1.56 |
| NORTHPORT___2 23552 | 35.08 1.98 3.51 | 26.21 1.37 4.30 | 26.14 1.31 4.26 | 26.10 1.41 4.18 | 26.10 1.49 4.69 | 31.02 1.75 4.58 | 37.00 2.10 4.06 | 34.41 1.95 2.03 | 38.27 1.90 -2.39 | 46.23 2.44 -0.69 | 45.82 2.57 1.97 | 44.90 2.66 0.50 | 42.60 2.82 10.45 | 49.25 2.64 -1.48 | 45.79 2.87 -2.53 | 48.17 2.91 -2.34 | 50.93 2.70 0.00 | 58.73 2.86 0.00 | 53.14 2.76 0.00 | 44.56 2.17 0.00 | 55.79 2.44 0.00 | 50.87 2.63 1.48 | 30.16 2.12 6.08 | 29.63 1.96 1.56 |
| NORTHPORT___3 23553 | 35.17 1.93 3.38 | 26.35 1.35 4.13 | 26.25 1.28 4.12 | 26.19 1.35 4.03 | 26.20 1.44 4.55 | 31.15 1.68 4.37 | 37.09 2.00 3.87 | 34.58 1.89 1.79 | 38.52 1.85 -2.69 | 46.41 2.34 -0.98 | 46.00 2.38 1.61 | 44.96 2.52 0.30 | 44.39 2.70 8.55 | 49.30 2.45 -1.73 | 46.39 2.67 -3.33 | 48.22 2.71 -2.59 | 50.72 2.49 0.00 | 58.51 2.64 0.00 | 52.93 2.54 0.00 | 44.40 2.01 0.00 | 55.61 2.27 0.00 | 50.64 2.41 1.49 | 30.47 2.03 5.69 | 29.73 1.91 1.40 |
| NORTHPORT___4 23650 | 35.17 1.93 3.38 | 26.35 1.35 4.13 | 26.25 1.28 4.12 | 26.19 1.35 4.03 | 26.20 1.44 4.55 | 31.15 1.68 4.37 | 37.09 2.00 3.87 | 34.58 1.89 1.79 | 38.52 1.85 -2.69 | 46.41 2.34 -0.98 | 46.00 2.38 1.61 | 44.96 2.52 0.30 | 44.39 2.70 8.55 | 49.30 2.45 -1.73 | 46.39 2.67 -3.33 | 48.22 2.71 -2.59 | 50.72 2.49 0.00 | 58.51 2.64 0.00 | 52.93 2.54 0.00 | 44.40 2.01 0.00 | 55.61 2.27 0.00 | 50.64 2.41 1.49 | 30.47 2.03 5.69 | 29.73 1.91 1.40 |
| NORTHPORT___IC 23718 | 35.08 1.98 3.51 | 26.21 1.38 4.30 | 26.14 1.31 4.26 | 26.11 1.41 4.18 | 26.11 1.49 4.69 | 31.02 1.75 4.58 | 37.01 2.10 4.06 | 34.40 1.95 2.03 | 38.27 1.90 -2.39 | 46.22 2.44 -0.69 | 45.79 2.54 1.97 | 44.88 2.65 0.50 | 42.64 2.86 10.45 | 49.25 2.65 -1.48 | 45.79 2.87 -2.53 | 48.18 2.92 -2.34 | 50.93 2.70 0.00 | 58.73 2.86 0.00 | 53.15 2.76 0.00 | 44.55 2.17 0.00 | 55.79 2.45 0.00 | 50.87 2.64 1.48 | 30.17 2.13 6.08 | 29.64 1.97 1.56 |
| NORTH___COUNTRY_ESR 323785 | 36.85 0.24 0.00 | 29.30 0.17 0.00 | 28.94 0.28 0.42 | 28.94 0.32 0.26 | 28.72 0.32 0.90 | 34.29 0.44 0.00 | 39.39 0.43 0.00 | 34.67 0.19 0.00 | 34.11 0.13 0.00 | 43.29 0.20 0.00 | 45.21 -0.02 0.00 | 42.83 0.08 0.00 | 50.56 0.34 0.00 | 45.22 0.11 0.00 | 40.19 -0.21 0.00 | 42.74 -0.18 0.00 | 48.29 0.05 0.00 | 56.18 0.31 0.00 | 50.73 0.34 0.00 | 42.59 0.20 0.00 | 53.60 0.25 0.00 | 49.64 -0.08 0.00 | 33.93 -0.19 0.00 | 28.80 -0.42 0.00 |
| NPX_GEN_1385_PROXY 323591 | 35.08 1.98 3.51 | 26.21 1.37 4.30 | 26.14 1.31 4.26 | 26.10 1.41 4.18 | 26.10 1.49 4.69 | 31.02 1.75 4.58 | 37.05 2.15 4.06 | 34.40 1.95 2.03 | 38.17 1.80 -2.39 | 46.09 2.30 -0.69 | 45.66 2.40 1.97 | 44.76 2.52 0.50 | 42.45 2.67 10.45 | 49.11 2.51 -1.48 | 45.67 2.74 -2.53 | 48.19 2.93 -2.34 | 50.76 2.53 0.00 | 58.53 2.66 0.00 | 52.97 2.59 0.00 | 44.51 2.12 0.00 | 55.70 2.36 0.00 | 50.78 2.54 1.48 | 30.09 2.05 6.08 | 29.63 1.96 1.56 |
| NPX_GEN_CSC 323557 | 35.81 2.34 3.14 | 26.93 1.64 3.84 | 26.84 1.61 3.86 | 26.81 1.71 3.77 | 26.82 1.82 4.31 | 31.96 2.14 4.03 | 38.03 2.62 3.56 | 35.39 2.36 1.45 | 39.31 2.31 -3.02 | 47.49 3.06 -1.34 | 47.45 3.30 1.08 | 46.01 3.29 0.03 | 48.15 3.50 5.59 | 50.53 3.41 -2.01 | 48.53 3.65 -4.48 | 49.53 3.75 -2.86 | 51.78 3.55 0.00 | 59.76 3.89 0.00 | 54.12 3.74 0.00 | 45.30 2.91 0.00 | 56.63 3.29 0.00 | 51.77 3.44 1.39 | 32.11 2.59 4.60 | 30.30 2.27 1.19 |
| NSINS_S_GLNS_FALLS 23858 | 38.03 1.42 0.00 | 30.35 1.22 0.00 | 29.95 1.22 0.34 | 29.80 1.14 0.21 | 29.75 1.18 0.73 | 35.20 1.35 0.00 | 40.79 1.82 0.00 | 36.30 1.81 0.00 | 35.54 1.56 0.00 | 45.00 1.91 0.00 | 47.35 2.12 0.00 | 44.68 1.93 0.00 | 52.34 2.11 0.00 | 47.10 1.99 0.00 | 42.21 1.82 0.00 | 44.92 2.00 0.00 | 50.24 2.01 0.00 | 58.53 2.66 0.00 | 52.93 2.55 0.00 | 44.67 2.29 0.00 | 56.48 3.14 0.00 | 52.56 2.84 0.00 | 35.90 1.78 0.00 | 30.81 1.59 0.00 |
| NUCOR_STEEL___DRP 24197 | 35.69 -0.92 0.00 | 28.33 -0.80 0.00 | 23.44 -0.87 4.77 | 25.09 -0.86 2.92 | 18.28 -0.84 10.18 | 33.04 -0.81 0.00 | 38.10 -0.86 0.00 | 33.59 -0.89 0.00 | 33.14 -0.83 0.00 | 42.05 -1.05 0.00 | 43.96 -1.27 0.00 | 41.41 -1.33 0.00 | 49.23 -1.38 -0.37 | 43.98 -1.14 0.00 | 39.55 -0.84 0.00 | 41.96 -0.96 0.00 | 46.90 -1.33 0.00 | 58.20 -1.48 -3.80 | 50.44 -1.36 -1.41 | 42.65 -1.17 -1.43 | 51.94 -1.41 0.00 | 48.49 -1.23 0.00 | 33.58 -0.92 -0.38 | 28.42 -0.80 0.00 |
| NUMBER_THREE_WT_PWR 323818 | 36.65 0.04 0.00 | 29.10 -0.03 0.00 | 26.80 -0.18 2.10 | 27.50 -0.09 1.29 | 24.73 -0.08 4.49 | 33.89 0.04 0.00 | 39.10 0.13 0.00 | 34.58 0.10 0.00 | 33.77 -0.21 0.00 | 42.58 -0.51 0.00 | 44.33 -0.90 0.00 | 41.60 -1.14 0.00 | 49.35 -0.88 0.00 | 44.42 -0.70 0.00 | 39.86 -0.53 0.00 | 42.17 -0.76 0.00 | 46.99 -1.24 0.00 | 54.47 -1.40 0.00 | 49.48 -0.90 0.00 | 41.77 -0.61 0.00 | 52.05 -1.29 0.00 | 48.20 -1.52 0.00 | 32.99 -1.13 0.00 | 27.79 -1.43 0.00 |
| NYISO_LBMP_REFERENCE 24008 | 36.61 0.00 0.00 | 29.13 0.00 0.00 | 29.09 0.00 0.00 | 28.88 0.00 0.00 | 29.30 0.00 0.00 | 33.85 0.00 0.00 | 38.97 0.00 0.00 | 34.48 0.00 0.00 | 33.98 0.00 0.00 | 43.10 0.00 0.00 | 45.23 0.00 0.00 | 42.74 0.00 0.00 | 50.23 0.00 0.00 | 45.12 0.00 0.00 | 40.39 0.00 0.00 | 42.92 0.00 0.00 | 48.23 0.00 0.00 | 55.87 0.00 0.00 | 50.38 0.00 0.00 | 42.38 0.00 0.00 | 53.34 0.00 0.00 | 49.72 0.00 0.00 | 34.12 0.00 0.00 | 29.22 0.00 0.00 |
| NYPA_BRENTWD____GT 24164 | 36.39 2.37 2.58 | 27.63 1.66 3.16 | 27.40 1.59 3.27 | 27.39 1.67 3.16 | 27.33 1.76 3.73 | 32.74 2.09 3.20 | 38.61 2.45 2.81 | 36.15 2.25 0.58 | 40.19 2.23 -3.99 | 48.42 2.98 -2.35 | 48.72 3.18 -0.32 | 46.69 3.22 -0.73 | 56.21 3.50 -2.47 | 51.18 3.28 -2.78 | 51.68 3.45 -7.85 | 50.12 3.56 -3.64 | 51.66 3.43 0.00 | 59.59 3.72 0.00 | 53.93 3.55 0.00 | 45.11 2.73 0.00 | 56.32 2.98 0.00 | 51.96 3.35 1.11 | 35.32 2.58 1.39 | 30.89 2.32 0.64 |

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| NYPA_GOWANUS____GT5 24156 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.55 1.59 0.00 | 36.08 1.59 0.00 | 35.65 1.67 0.00 | 44.89 1.80 0.00 | 47.21 1.98 0.00 | 44.85 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.50 0.00 | 45.51 2.59 0.00 | 50.69 2.46 0.00 | 58.51 2.64 0.00 | 52.77 2.38 0.00 | 44.32 1.94 0.00 | 55.69 2.35 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NYPA_GOWANUS____GT6 24157 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.13 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.55 1.59 0.00 | 36.08 1.59 0.00 | 35.65 1.67 0.00 | 44.89 1.80 0.00 | 47.21 1.98 0.00 | 44.85 2.11 0.00 | 52.55 2.32 0.00 | 47.47 2.35 0.00 | 42.90 2.50 0.00 | 45.51 2.59 0.00 | 50.69 2.46 0.00 | 58.51 2.64 0.00 | 52.77 2.38 0.00 | 44.32 1.94 0.00 | 55.69 2.35 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.69 0.00 |
| NYPA_HARLEM__RVR__GT1 24160 | 38.07 1.46 0.00 | 30.27 1.13 0.00 | 29.53 0.95 0.50 | 29.58 1.02 0.31 | 29.24 1.02 1.08 | 34.96 1.11 0.00 | 40.39 1.43 0.00 | 36.00 1.52 0.00 | 35.48 1.50 0.00 | 44.64 1.55 0.00 | 47.04 1.80 0.00 | 44.74 2.00 0.00 | 52.46 2.23 0.00 | 47.30 2.18 0.00 | 42.80 2.41 0.00 | 45.42 2.50 0.00 | 50.58 2.35 0.00 | 58.40 2.53 0.00 | 52.65 2.26 0.00 | 44.20 1.82 0.00 | 55.44 2.10 0.00 | 51.88 2.16 0.00 | 35.84 1.72 0.00 | 30.79 1.58 0.01 |
| NYPA_HARLEM__RVR__GT2 24161 | 38.07 1.46 0.00 | 30.27 1.13 0.00 | 29.53 0.95 0.50 | 29.58 1.02 0.31 | 29.24 1.02 1.08 | 34.96 1.11 0.00 | 40.39 1.43 0.00 | 36.00 1.52 0.00 | 35.48 1.50 0.00 | 44.64 1.55 0.00 | 47.04 1.80 0.00 | 44.74 2.00 0.00 | 52.46 2.23 0.00 | 47.30 2.18 0.00 | 42.80 2.41 0.00 | 45.42 2.50 0.00 | 50.58 2.35 0.00 | 58.40 2.53 0.00 | 52.65 2.26 0.00 | 44.20 1.82 0.00 | 55.44 2.10 0.00 | 51.88 2.16 0.00 | 35.84 1.72 0.00 | 30.79 1.58 0.01 |
| NYPA_KENT____GT 24152 | 38.21 1.60 0.00 | 30.35 1.22 0.00 | 29.64 1.05 0.50 | 29.69 1.12 0.31 | 29.35 1.12 1.07 | 35.10 1.25 0.00 | 40.52 1.56 0.00 | 36.08 1.60 0.00 | 35.64 1.66 0.00 | 44.91 1.82 0.00 | 47.24 2.01 0.00 | 44.86 2.11 0.00 | 52.57 2.34 0.00 | 47.48 2.36 0.00 | 42.90 2.50 0.00 | 45.52 2.60 0.00 | 50.72 2.49 0.00 | 58.54 2.67 0.00 | 52.76 2.37 0.00 | 44.32 1.94 0.00 | 55.67 2.33 0.00 | 52.09 2.37 0.00 | 40.28 1.81 -4.36 | 30.91 1.69 0.00 |
| NYPA_POUCH1____GT 24155 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.68 1.10 0.50 | 29.73 1.17 0.31 | 29.40 1.18 1.07 | 35.17 1.33 0.00 | 40.59 1.62 0.00 | 36.10 1.62 0.00 | 35.62 1.64 0.00 | 44.81 1.71 0.00 | 47.13 1.90 0.00 | 44.77 2.03 0.00 | 52.45 2.22 0.00 | 47.37 2.26 0.00 | 42.82 2.43 0.00 | 45.39 2.47 0.00 | 50.57 2.34 0.00 | 58.36 2.49 0.00 | 52.66 2.27 0.00 | 44.22 1.84 0.00 | 55.57 2.23 0.00 | 52.02 2.30 0.00 | 43.05 1.74 -7.19 | 30.87 1.65 0.00 |
| NYPA_VERNON____GT2 24162 | 38.18 1.57 0.00 | 30.35 1.21 0.00 | 29.63 1.05 0.50 | 29.66 1.09 0.31 | 29.33 1.10 1.07 | 35.07 1.22 0.00 | 40.49 1.52 0.00 | 36.08 1.60 0.00 | 35.63 1.65 0.00 | 44.92 1.83 0.00 | 47.25 2.02 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.88 2.49 0.00 | 45.53 2.61 0.00 | 50.73 2.50 0.00 | 58.56 2.69 0.00 | 52.78 2.39 0.00 | 44.31 1.93 0.00 | 55.65 2.31 0.00 | 52.06 2.34 0.00 | 37.44 1.80 -1.52 | 30.90 1.68 0.00 |
| NYPA_VERNON____GT3 24163 | 38.18 1.57 0.00 | 30.35 1.21 0.00 | 29.63 1.05 0.50 | 29.66 1.09 0.31 | 29.33 1.10 1.07 | 35.07 1.22 0.00 | 40.49 1.52 0.00 | 36.08 1.60 0.00 | 35.63 1.65 0.00 | 44.92 1.83 0.00 | 47.25 2.02 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.88 2.49 0.00 | 45.53 2.61 0.00 | 50.73 2.50 0.00 | 58.56 2.69 0.00 | 52.78 2.39 0.00 | 44.31 1.93 0.00 | 55.65 2.31 0.00 | 52.06 2.34 0.00 | 37.44 1.80 -1.52 | 30.90 1.68 0.00 |
| NYPA__ASTORIA_CC1 323568 | 38.13 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.63 1.06 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.60 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.78 2.04 0.00 | 52.49 2.26 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.46 2.54 0.00 | 50.64 2.42 0.00 | 58.47 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.98 2.26 0.00 | 35.86 1.74 0.00 | 30.86 1.64 0.00 |
| NYPA__ASTORIA_CC2 323569 | 38.13 1.53 0.00 | 30.32 1.18 0.00 | 29.60 1.02 0.50 | 29.63 1.06 0.31 | 29.30 1.07 1.07 | 35.03 1.18 0.00 | 40.44 1.47 0.00 | 36.04 1.56 0.00 | 35.58 1.60 0.00 | 44.83 1.74 0.00 | 47.16 1.93 0.00 | 44.78 2.04 0.00 | 52.49 2.26 0.00 | 47.40 2.28 0.00 | 42.82 2.43 0.00 | 45.46 2.54 0.00 | 50.64 2.42 0.00 | 58.47 2.61 0.00 | 52.71 2.32 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.98 2.26 0.00 | 35.86 1.74 0.00 | 30.86 1.64 0.00 |
| NYPA__HOLTSVILL 23794 | 35.63 2.20 3.18 | 26.78 1.53 3.89 | 26.66 1.48 3.90 | 26.63 1.57 3.81 | 26.62 1.66 4.34 | 31.72 1.96 4.08 | 37.74 2.38 3.61 | 35.15 2.18 1.51 | 39.08 2.14 -2.96 | 47.17 2.80 -1.27 | 47.05 2.99 1.17 | 45.69 3.02 0.08 | 47.36 3.24 6.11 | 50.17 3.10 -1.96 | 47.98 3.32 -4.26 | 49.15 3.42 -2.81 | 51.46 3.23 0.00 | 59.36 3.49 0.00 | 53.74 3.35 0.00 | 45.01 2.63 0.00 | 56.29 2.95 0.00 | 51.45 3.14 1.41 | 31.76 2.43 4.80 | 30.16 2.17 1.22 |
| NYPA__HELLGATE_GT1 24158 | 38.07 1.46 0.00 | 30.27 1.13 0.00 | 29.53 0.95 0.50 | 29.58 1.02 0.31 | 29.25 1.02 1.07 | 34.96 1.11 0.00 | 40.37 1.41 0.01 | 35.98 1.50 0.00 | 35.48 1.50 0.00 | 44.64 1.55 0.00 | 47.04 1.80 0.00 | 44.74 2.00 0.00 | 52.47 2.24 0.00 | 47.33 2.21 0.00 | 42.81 2.42 0.00 | 45.42 2.50 0.00 | 50.58 2.35 0.00 | 58.39 2.52 0.00 | 52.61 2.22 0.00 | 44.18 1.80 0.00 | 55.44 2.10 0.00 | 51.88 2.16 0.00 | 35.84 1.72 0.00 | 30.79 1.58 0.00 |
| NYPA__HELLGATE_GT2 24159 | 38.07 1.46 0.00 | 30.27 1.13 0.00 | 29.53 0.95 0.50 | 29.58 1.02 0.31 | 29.25 1.02 1.07 | 34.96 1.11 0.00 | 40.37 1.41 0.01 | 35.98 1.50 0.00 | 35.48 1.50 0.00 | 44.64 1.55 0.00 | 47.04 1.80 0.00 | 44.74 2.00 0.00 | 52.47 2.24 0.00 | 47.33 2.21 0.00 | 42.81 2.42 0.00 | 45.42 2.50 0.00 | 50.58 2.35 0.00 | 58.39 2.52 0.00 | 52.61 2.22 0.00 | 44.18 1.80 0.00 | 55.44 2.10 0.00 | 51.88 2.16 0.00 | 35.84 1.72 0.00 | 30.79 1.58 0.00 |
| NYS_BARGE____HYD 23848 | 33.73 -2.88 0.00 | 26.69 -2.44 0.00 | 24.07 -2.57 2.44 | 24.86 -2.52 1.49 | 21.65 -2.44 5.21 | 31.42 -2.43 0.00 | 35.95 -3.01 0.00 | 30.90 -3.59 0.00 | 30.99 -2.98 0.00 | 35.77 -3.67 3.65 | 34.78 -3.54 6.91 | 38.71 -3.93 0.10 | 43.01 -4.57 2.65 | 33.17 -3.75 8.20 | 26.51 -2.77 11.12 | 28.39 -2.91 11.62 | 32.46 -3.38 12.38 | 31.83 -4.66 19.39 | 31.70 -3.91 14.78 | 31.30 -3.29 7.80 | 36.56 -4.12 12.66 | 36.57 -4.11 9.04 | 28.92 -2.83 2.38 | 24.69 -2.37 2.16 |
| OAK ORCHARD____HYD 24046 | 34.81 -1.80 0.00 | 27.58 -1.55 0.00 | 24.95 -1.67 2.47 | 25.74 -1.63 1.51 | 22.41 -1.63 5.26 | 32.28 -1.57 0.00 | 37.12 -1.85 0.00 | 32.40 -2.09 0.00 | 32.30 -1.67 0.00 | 40.82 -2.28 0.00 | 43.04 -2.19 0.00 | 40.51 -2.23 0.52 | 47.05 -2.66 0.00 | 42.84 -2.28 0.00 | 38.71 -1.69 0.00 | 41.13 -1.80 0.00 | 46.10 -2.13 0.00 | 47.76 -2.88 5.23 | 46.11 -2.42 1.85 | 38.47 -2.03 1.88 | 50.80 -2.55 0.00 | 47.18 -2.54 0.00 | 31.87 -1.76 0.50 | 27.66 -1.56 0.00 |

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| OAKDALE___35_KV_LOAD 356122 | 36.05 -0.56 0.00 | 28.54 -0.60 0.00 | 25.56 -0.71 2.81 | 26.45 -0.71 1.72 | 22.59 -0.71 6.00 | 33.21 -0.64 0.00 | 38.16 -0.81 0.00 | 33.66 -0.82 0.00 | 33.46 -0.52 0.00 | 42.27 -0.83 0.00 | 44.42 -0.81 0.00 | 41.83 -0.91 0.00 | 48.47 -1.23 0.53 | 44.09 -1.02 0.00 | 39.69 -0.70 0.00 | 42.16 -0.76 0.00 | 47.23 -1.00 0.00 | 49.67 -1.42 4.78 | 48.09 -1.14 1.15 | 40.22 -1.00 1.16 | 52.24 -1.10 0.00 | 48.64 -1.08 0.00 | 33.04 -0.77 0.31 | 28.65 -0.58 0.00 |
| OCC_CHEM___DRP 24175 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.33 -2.81 5.16 | 30.94 -2.91 0.00 | 35.37 -3.59 0.00 | 30.45 -4.04 0.00 | 30.55 -3.42 0.00 | 34.67 -4.48 3.94 | 33.35 -4.41 7.47 | 38.14 -4.49 0.11 | 42.06 -5.34 2.83 | 31.83 -4.44 8.86 | 24.98 -3.40 12.01 | 26.72 -3.65 12.55 | 30.65 -4.20 13.38 | 29.62 -5.64 20.61 | 29.70 -4.84 15.84 | 30.09 -3.99 8.30 | 34.35 -5.32 13.67 | 34.87 -5.08 9.76 | 28.27 -3.32 2.53 | 24.12 -2.76 2.33 |
| OH_GEN_PROXY 24063 | 33.59 -3.02 0.00 | 26.59 -2.55 0.00 | 24.02 -2.67 2.40 | 24.78 -2.63 1.47 | 21.54 -2.65 5.11 | 31.17 -2.68 0.00 | 35.65 -3.32 0.00 | 30.76 -3.72 0.00 | 30.86 -3.12 0.00 | 35.65 -4.07 3.37 | 34.83 -4.01 6.39 | 38.51 -4.14 0.10 | 42.82 -4.91 2.51 | 33.34 -4.19 7.58 | 26.88 -3.24 10.28 | 28.75 -3.43 10.74 | 32.83 -3.95 11.45 | 32.07 -5.33 18.47 | 32.00 -4.54 13.85 | 31.18 -3.81 7.40 | 36.87 -4.77 11.70 | 36.74 -4.62 8.36 | 28.77 -3.10 2.25 | 24.59 -2.63 2.00 |
| OLIN_CORP_DRP 24177 | 33.30 -3.31 0.00 | 26.37 -2.76 0.00 | 23.77 -2.88 2.44 | 24.56 -2.82 1.49 | 21.38 -2.72 5.20 | 31.08 -2.77 0.00 | 35.52 -3.44 0.00 | 30.45 -4.03 0.00 | 30.53 -3.44 0.00 | 34.93 -4.17 3.99 | 33.58 -4.08 7.57 | 38.13 -4.50 0.11 | 42.16 -5.19 2.88 | 31.86 -4.28 8.98 | 25.00 -3.21 12.18 | 26.76 -3.43 12.73 | 30.73 -3.93 13.56 | 29.63 -5.31 20.93 | 29.79 -4.52 16.07 | 30.19 -3.76 8.43 | 34.70 -4.78 13.86 | 35.13 -4.69 9.90 | 28.32 -3.22 2.57 | 24.17 -2.69 2.37 |
| OLIN_CORP_DSASP 323712 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.31 -2.83 5.16 | 30.94 -2.91 0.00 | 35.37 -3.60 0.00 | 30.44 -4.05 0.00 | 30.56 -3.42 0.00 | 34.69 -4.46 3.94 | 33.39 -4.38 7.47 | 38.15 -4.48 0.11 | 42.07 -5.33 2.83 | 31.86 -4.40 8.86 | 25.02 -3.36 12.01 | 26.80 -3.57 12.55 | 30.70 -4.15 13.38 | 29.67 -5.59 20.61 | 29.76 -4.79 15.84 | 30.11 -3.98 8.30 | 34.39 -5.27 13.67 | 34.89 -5.06 9.76 | 28.30 -3.29 2.53 | 24.15 -2.74 2.33 |
| ONEIDA_HERK_LFGE 323681 | 36.95 0.33 0.00 | 29.35 0.21 0.00 | 27.59 0.12 1.62 | 28.05 0.16 0.99 | 26.03 0.18 3.45 | 34.16 0.31 0.00 | 39.40 0.43 0.00 | 34.86 0.38 0.00 | 34.27 0.30 0.00 | 43.34 0.24 0.00 | 45.31 0.08 0.00 | 42.68 -0.06 0.00 | 50.32 0.09 0.00 | 45.32 0.20 0.00 | 40.69 0.29 0.00 | 43.15 0.22 0.00 | 48.23 0.00 0.00 | 55.90 0.03 0.00 | 50.58 0.19 0.00 | 42.61 0.22 0.00 | 53.43 0.09 0.00 | 49.63 -0.09 0.00 | 33.98 -0.14 0.00 | 28.91 -0.31 0.00 |
| ONEIDA___115KV_TB4 55905 | 37.06 0.45 0.00 | 29.39 0.26 0.00 | 26.57 0.16 2.67 | 27.42 0.18 1.64 | 23.80 0.20 5.70 | 34.22 0.37 0.00 | 39.45 0.49 0.00 | 34.90 0.42 0.00 | 34.50 0.52 0.00 | 43.60 0.51 0.00 | 45.71 0.48 0.00 | 43.13 0.39 0.00 | 50.84 0.44 -0.17 | 45.65 0.53 0.00 | 41.01 0.62 0.00 | 43.57 0.64 0.00 | 48.73 0.50 0.00 | 58.20 0.58 -1.75 | 51.63 0.61 -0.64 | 43.57 0.54 -0.65 | 54.01 0.67 0.00 | 50.24 0.53 0.00 | 34.56 0.26 -0.17 | 29.39 0.17 0.00 |
| ONONDAGA_REF_OCCRA 23987 | 35.78 -0.83 0.00 | 28.37 -0.76 0.00 | 23.34 -0.84 4.90 | 25.04 -0.84 3.00 | 18.02 -0.83 10.45 | 33.06 -0.79 0.00 | 38.10 -0.87 0.00 | 33.66 -0.83 0.00 | 33.32 -0.65 0.00 | 42.10 -0.99 0.00 | 44.24 -1.00 0.00 | 41.71 -1.03 0.00 | 49.30 -1.24 -0.31 | 44.10 -1.02 0.00 | 39.65 -0.74 0.00 | 42.12 -0.80 0.00 | 47.18 -1.05 0.00 | 57.71 -1.34 -3.18 | 50.44 -1.11 -1.16 | 42.61 -0.95 -1.18 | 52.23 -1.12 0.00 | 48.61 -1.11 0.00 | 33.61 -0.83 -0.31 | 28.50 -0.72 0.00 |
| ONONDAGA___COGEN 23986 | 35.59 -1.02 0.00 | 28.24 -0.90 0.00 | 22.89 -0.97 5.23 | 24.71 -0.97 3.20 | 17.16 -0.98 11.16 | 32.88 -0.97 0.00 | 37.92 -1.05 0.00 | 33.47 -1.02 0.00 | 33.09 -0.88 0.00 | 41.86 -1.24 0.00 | 43.96 -1.27 0.00 | 41.44 -1.30 0.00 | 48.72 -1.52 0.00 | 43.85 -1.27 0.00 | 39.43 -0.96 0.00 | 41.85 -1.07 0.00 | 46.89 -1.34 0.00 | 54.23 -1.64 0.00 | 48.96 -1.42 0.00 | 41.19 -1.19 0.00 | 51.89 -1.45 0.00 | 48.32 -1.40 0.00 | 33.10 -1.02 0.00 | 28.33 -0.89 0.00 |
| ONTARIO___LFGE 23819 | 35.42 -1.19 0.00 | 28.02 -1.11 0.00 | 24.56 -1.22 3.30 | 25.65 -1.20 2.02 | 21.04 -1.21 7.04 | 32.77 -1.08 0.00 | 37.73 -1.23 0.00 | 33.14 -1.35 0.00 | 32.95 -1.03 0.00 | 44.15 -1.48 -2.54 | 48.56 -1.48 -4.81 | 41.21 -1.61 -0.07 | 48.46 -1.97 -0.20 | 49.12 -1.71 -5.71 | 46.85 -1.29 -7.74 | 49.62 -1.40 -8.09 | 55.21 -1.65 -8.62 | 50.48 -2.16 3.23 | 52.77 -1.92 -4.31 | 40.17 -1.60 0.62 | 60.23 -1.93 -8.81 | 54.12 -1.89 -6.29 | 32.83 -1.34 -0.05 | 29.58 -1.15 -1.51 |
| ORANGEVILLE_WT_PWR 323706 | 34.09 -2.52 0.00 | 26.89 -2.24 0.00 | 24.13 -2.37 2.58 | 24.96 -2.34 1.58 | 21.39 -2.40 5.51 | 31.52 -2.33 0.00 | 36.12 -2.85 0.00 | 31.29 -3.19 0.00 | 31.22 -2.75 0.01 | 23.03 -3.75 16.31 | 10.56 -3.75 30.92 | 38.39 -3.89 0.46 | 35.87 -4.71 9.65 | 4.32 -4.12 36.67 | -12.64 -3.28 49.75 | -12.54 -3.48 51.98 | -11.14 -3.97 55.40 | -13.67 -5.12 64.41 | -12.17 -4.34 58.21 | 11.84 -3.65 26.90 | -7.47 -4.19 56.62 | 5.13 -4.16 40.43 | 22.63 -2.98 8.51 | 17.04 -2.51 9.66 |
| ORANGEVILLE___ESR 323794 | 34.09 -2.52 0.00 | 26.89 -2.24 0.00 | 24.13 -2.37 2.58 | 24.96 -2.34 1.58 | 21.39 -2.40 5.51 | 31.52 -2.33 0.00 | 36.12 -2.85 0.00 | 31.29 -3.19 0.00 | 31.22 -2.75 0.01 | 23.03 -3.75 16.31 | 10.56 -3.75 30.92 | 38.39 -3.89 0.46 | 35.87 -4.71 9.65 | 4.32 -4.12 36.67 | -12.64 -3.28 49.75 | -12.54 -3.48 51.98 | -11.14 -3.97 55.40 | -13.67 -5.12 64.41 | -12.17 -4.34 58.21 | 11.84 -3.65 26.90 | -7.47 -4.19 56.62 | 5.13 -4.16 40.43 | 22.63 -2.98 8.51 | 17.04 -2.51 9.66 |
| OSWEGATCHIE___HYD 24044 | 36.24 -0.37 0.00 | 28.82 -0.31 0.00 | 27.07 -0.37 1.65 | 27.55 -0.31 1.01 | 25.46 -0.33 3.52 | 33.60 -0.25 0.00 | 38.70 -0.26 0.00 | 34.16 -0.32 0.00 | 33.45 -0.52 0.00 | 42.47 -0.63 0.00 | 44.14 -1.08 0.00 | 41.55 -1.19 0.00 | 49.26 -0.97 0.00 | 44.15 -0.97 0.00 | 39.28 -1.11 0.00 | 41.78 -1.15 0.00 | 46.81 -1.42 0.00 | 54.34 -1.53 0.00 | 49.21 -1.18 0.00 | 41.54 -0.84 0.00 | 52.09 -1.26 0.00 | 48.35 -1.37 0.00 | 33.16 -0.97 0.00 | 28.01 -1.21 0.00 |
| OSWEGO___5 23606 | 34.98 -1.63 0.00 | 27.77 -1.36 0.00 | 20.13 -1.42 7.53 | 22.86 -1.41 4.60 | 11.83 -1.42 16.05 | 32.35 -1.50 0.00 | 37.25 -1.71 0.00 | 32.87 -1.61 0.00 | 32.50 -1.48 0.00 | 41.12 -1.98 0.00 | 43.18 -2.05 0.00 | 40.73 -2.01 0.00 | 47.86 -2.37 0.00 | 43.07 -2.05 0.00 | 38.72 -1.67 0.00 | 41.12 -1.80 0.00 | 46.08 -2.15 0.00 | 53.28 -2.59 0.00 | 48.11 -2.27 0.00 | 40.48 -1.90 0.00 | 50.96 -2.38 0.00 | 47.45 -2.27 0.00 | 32.54 -1.58 0.00 | 27.87 -1.35 0.00 |
| OSWEGO___6 23613 | 34.98 -1.63 0.00 | 27.77 -1.36 0.00 | 20.13 -1.42 7.53 | 22.86 -1.41 4.60 | 11.83 -1.42 16.05 | 32.35 -1.50 0.00 | 37.25 -1.71 0.00 | 32.87 -1.61 0.00 | 32.50 -1.48 0.00 | 41.12 -1.98 0.00 | 43.18 -2.05 0.00 | 40.73 -2.01 0.00 | 47.86 -2.37 0.00 | 43.07 -2.05 0.00 | 38.72 -1.67 0.00 | 41.12 -1.80 0.00 | 46.08 -2.15 0.00 | 53.28 -2.59 0.00 | 48.11 -2.27 0.00 | 40.48 -1.90 0.00 | 50.96 -2.38 0.00 | 47.45 -2.27 0.00 | 32.54 -1.58 0.00 | 27.87 -1.35 0.00 |

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|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| OUTOKUMPU-AB___DRP 24206 | 34.05 -2.56 0.00 | 26.93 -2.20 0.00 | 24.28 -2.37 2.45 | 25.07 -2.31 1.50 | 21.80 -2.28 5.22 | 31.60 -2.25 0.00 | 36.17 -2.80 0.00 | 31.19 -3.29 0.00 | 31.31 -2.67 0.00 | 35.43 -3.46 4.20 | 33.93 -3.34 7.97 | 39.06 -3.56 0.12 | 43.01 -4.22 3.00 | 32.22 -3.45 9.45 | 25.03 -2.54 12.82 | 26.80 -2.73 13.40 | 30.77 -3.18 14.28 | 29.68 -4.41 21.78 | 29.85 -3.70 16.83 | 30.55 -3.05 8.78 | 34.79 -3.96 14.59 | 35.40 -3.90 10.42 | 28.81 -2.62 2.68 | 24.52 -2.21 2.49 |
| OXBOW___BTM 323836 | 33.66 -2.95 0.00 | 26.63 -2.50 0.00 | 24.01 -2.64 2.43 | 24.80 -2.59 1.49 | 21.53 -2.59 5.19 | 31.24 -2.61 0.00 | 35.75 -3.22 0.00 | 30.79 -3.69 0.00 | 30.92 -3.05 0.00 | 35.06 -3.96 4.07 | 33.66 -3.85 7.72 | 38.59 -4.03 0.12 | 42.54 -4.77 2.92 | 32.04 -3.93 9.16 | 25.03 -2.95 12.42 | 26.81 -3.14 12.98 | 30.74 -3.65 13.83 | 29.69 -4.98 21.20 | 29.82 -4.23 16.34 | 30.32 -3.52 8.54 | 34.60 -4.61 14.14 | 35.13 -4.49 10.09 | 28.55 -2.97 2.61 | 24.33 -2.47 2.41 |
| OXBOW___ 24026 | 33.66 -2.95 0.00 | 26.64 -2.49 0.00 | 24.01 -2.64 2.43 | 24.80 -2.59 1.49 | 21.54 -2.58 5.19 | 31.24 -2.61 0.00 | 35.75 -3.22 0.00 | 30.80 -3.68 0.00 | 30.91 -3.06 0.00 | 35.04 -3.98 4.07 | 33.63 -3.88 7.72 | 38.59 -4.03 0.12 | 42.53 -4.79 2.92 | 32.01 -3.95 9.16 | 25.00 -2.98 12.42 | 26.74 -3.21 12.98 | 30.70 -3.69 13.83 | 29.64 -5.02 21.20 | 29.76 -4.29 16.34 | 30.30 -3.54 8.54 | 34.55 -4.66 14.14 | 35.11 -4.51 10.09 | 28.53 -2.98 2.61 | 24.30 -2.50 2.41 |
| OXY_CHEM_DSASP 323612 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.33 -2.81 5.16 | 30.94 -2.91 0.00 | 35.37 -3.59 0.00 | 30.45 -4.04 0.00 | 30.55 -3.42 0.00 | 34.67 -4.48 3.94 | 33.35 -4.41 7.47 | 38.14 -4.49 0.11 | 42.06 -5.34 2.83 | 31.83 -4.44 8.86 | 24.98 -3.40 12.01 | 26.72 -3.65 12.55 | 30.65 -4.20 13.38 | 29.62 -5.64 20.61 | 29.70 -4.84 15.84 | 30.09 -3.99 8.30 | 34.35 -5.32 13.67 | 34.87 -5.08 9.76 | 28.27 -3.32 2.53 | 24.12 -2.76 2.33 |
| OZONE_PARK_ESR 323760 | 38.40 1.79 0.00 | 30.46 1.33 0.00 | 29.75 1.17 0.50 | 29.77 1.21 0.31 | 29.46 1.23 1.07 | 35.23 1.38 0.00 | 40.67 1.71 0.00 | 36.24 1.75 0.00 | 35.79 1.82 0.00 | 45.22 2.13 0.00 | 47.54 2.31 0.00 | 45.11 2.37 0.00 | 52.87 2.64 0.00 | 47.75 2.63 0.00 | 43.12 2.73 0.00 | 45.81 2.88 0.00 | 51.06 2.83 0.00 | 58.97 3.11 0.00 | 53.17 2.79 0.00 | 44.65 2.27 0.00 | 56.08 2.74 0.00 | 52.46 2.74 0.00 | 36.18 2.05 0.00 | 31.09 1.87 0.00 |
| PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.33 -2.81 5.16 | 30.94 -2.91 0.00 | 35.37 -3.59 0.00 | 30.45 -4.04 0.00 | 30.55 -3.42 0.00 | 34.67 -4.48 3.94 | 33.35 -4.41 7.47 | 38.14 -4.49 0.11 | 42.06 -5.34 2.83 | 31.83 -4.44 8.86 | 24.98 -3.40 12.01 | 26.72 -3.65 12.55 | 30.65 -4.20 13.38 | 29.62 -5.64 20.61 | 29.70 -4.84 15.84 | 30.09 -3.99 8.30 | 34.35 -5.32 13.67 | 34.87 -5.08 9.76 | 28.27 -3.32 2.53 | 24.12 -2.76 2.33 |
| PACKARD___115KV_DUPONT_184 80571 | 33.33 -3.28 0.00 | 26.39 -2.75 0.00 | 23.80 -2.87 2.42 | 24.58 -2.82 1.48 | 21.33 -2.81 5.16 | 30.94 -2.91 0.00 | 35.37 -3.59 0.00 | 30.45 -4.04 0.00 | 30.55 -3.42 0.00 | 34.67 -4.48 3.94 | 33.35 -4.41 7.47 | 38.14 -4.49 0.11 | 42.06 -5.34 2.83 | 31.83 -4.44 8.86 | 24.98 -3.40 12.01 | 26.72 -3.65 12.55 | 30.65 -4.20 13.38 | 29.62 -5.64 20.61 | 29.70 -4.84 15.84 | 30.09 -3.99 8.30 | 34.35 -5.32 13.67 | 34.87 -5.08 9.76 | 28.27 -3.32 2.53 | 24.12 -2.76 2.33 |
| PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007 | 38.14 1.53 0.00 | 30.34 1.20 0.00 | 29.60 1.01 0.50 | 29.65 1.08 0.31 | 29.31 1.08 1.07 | 35.05 1.20 0.00 | 40.49 1.52 0.00 | 36.06 1.58 0.00 | 35.54 1.56 0.00 | 44.70 1.61 0.00 | 47.08 1.85 0.00 | 44.76 2.02 0.00 | 52.54 2.31 0.00 | 47.37 2.25 0.00 | 42.82 2.43 0.00 | 45.45 2.52 0.00 | 50.62 2.39 0.00 | 58.44 2.57 0.00 | 52.67 2.29 0.00 | 44.24 1.86 0.00 | 55.53 2.19 0.00 | 51.97 2.26 0.00 | 35.90 1.78 0.00 | 30.86 1.65 0.00 |
| PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019 | 39.04 2.43 0.00 | 31.02 1.88 0.00 | 30.28 1.70 0.50 | 30.34 1.77 0.31 | 30.03 1.80 1.07 | 35.96 2.11 0.00 | 41.51 2.54 0.00 | 36.92 2.44 0.00 | 36.43 2.45 0.00 | 45.82 2.73 0.00 | 48.31 3.08 0.00 | 45.89 3.15 0.00 | 53.82 3.59 0.00 | 48.50 3.38 0.00 | 43.85 3.45 0.00 | 46.55 3.63 0.00 | 51.85 3.62 0.00 | 59.80 3.94 0.00 | 53.90 3.52 0.00 | 45.26 2.88 0.00 | 56.80 3.46 0.00 | 53.13 3.41 0.00 | 36.66 2.54 0.00 | 31.51 2.29 0.00 |
| PATROON___115KV_TB1 80586 | 36.84 0.23 0.00 | 29.39 0.26 0.00 | 29.02 0.28 0.35 | 28.93 0.27 0.21 | 28.84 0.30 0.75 | 34.13 0.27 0.00 | 39.30 0.34 0.00 | 34.88 0.40 0.00 | 34.19 0.21 0.00 | 43.25 0.16 0.00 | 45.46 0.23 0.00 | 42.97 0.23 0.00 | 50.47 0.24 0.00 | 45.49 0.37 0.00 | 40.84 0.45 0.00 | 43.37 0.45 0.00 | 48.27 0.05 0.00 | 56.10 0.23 0.00 | 50.60 0.22 0.00 | 42.61 0.23 0.00 | 53.58 0.24 0.00 | 50.03 0.31 0.00 | 34.39 0.27 0.00 | 29.64 0.42 0.00 |
| PATTRSNVILLE___SOLAR 323815 | 37.46 0.85 0.00 | 29.79 0.65 0.00 | 29.34 0.63 0.38 | 29.28 0.63 0.23 | 29.15 0.65 0.81 | 34.60 0.75 0.00 | 39.88 0.91 0.00 | 35.36 0.88 0.00 | 34.69 0.72 0.00 | 43.84 0.75 0.00 | 45.94 0.71 0.00 | 43.25 0.51 0.00 | 51.01 0.78 0.00 | 46.00 0.88 0.00 | 41.19 0.80 0.00 | 43.81 0.89 0.00 | 49.06 0.83 0.00 | 56.97 1.10 0.00 | 51.52 1.14 0.00 | 43.43 1.05 0.00 | 54.88 1.54 0.00 | 51.18 1.46 0.00 | 35.08 0.96 0.00 | 30.03 0.81 0.00 |
| PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030 | 34.70 -1.91 0.00 | 27.42 -1.71 0.00 | 24.71 -1.88 2.49 | 25.52 -1.83 1.52 | 22.19 -1.80 5.31 | 32.15 -1.70 0.00 | 36.78 -2.18 0.00 | 31.87 -2.62 0.00 | 31.99 -1.98 0.00 | 36.19 -2.51 4.39 | 34.53 -2.39 8.32 | 39.89 -2.73 0.12 | 43.71 -3.31 3.22 | 32.49 -2.76 9.87 | 25.06 -1.95 13.38 | 26.86 -2.08 13.98 | 30.90 -2.42 14.90 | 28.77 -3.53 23.57 | 29.63 -2.89 17.86 | 30.50 -2.42 9.46 | 35.22 -2.90 15.23 | 35.93 -2.91 10.88 | 29.20 -2.04 2.88 | 24.94 -1.68 2.60 |
| PAWLING_115_KV_BK3_REV_LBMP_H 345028 | 38.17 1.56 0.00 | 30.30 1.17 0.00 | 29.61 1.02 0.50 | 29.63 1.06 0.30 | 29.32 1.08 1.06 | 35.08 1.23 0.00 | 40.51 1.55 0.00 | 36.04 1.56 0.00 | 35.58 1.60 0.00 | 45.01 1.92 0.00 | 47.30 2.08 0.00 | 44.84 2.10 0.00 | 52.61 2.38 0.00 | 47.47 2.35 0.00 | 42.82 2.43 0.00 | 45.51 2.58 0.00 | 50.78 2.55 0.00 | 58.72 2.85 0.00 | 52.96 2.58 0.00 | 44.49 2.11 0.00 | 55.91 2.57 0.00 | 52.19 2.47 0.00 | 35.96 1.84 0.00 | 30.88 1.66 0.00 |
| PEEKSKILL___ 23653 | 37.92 1.30 0.00 | 30.09 0.95 0.00 | 29.39 0.81 0.51 | 29.42 0.86 0.31 | 29.09 0.87 1.08 | 34.81 0.96 0.00 | 40.15 1.19 0.00 | 35.70 1.22 0.00 | 35.22 1.25 0.00 | 44.57 1.47 0.00 | 46.84 1.61 0.00 | 44.42 1.68 0.00 | 52.09 1.86 0.00 | 47.01 1.89 0.00 | 42.40 2.01 0.00 | 45.07 2.15 0.00 | 50.29 2.06 0.00 | 58.11 2.24 0.00 | 52.42 2.03 0.00 | 44.03 1.65 0.00 | 55.33 1.99 0.00 | 51.69 1.97 0.00 | 35.64 1.51 0.00 | 30.65 1.43 0.00 |
| PGE MADISON___WINDPWR 24146 | 38.15 1.54 0.00 | 29.92 0.79 0.00 | 26.85 0.60 2.84 | 27.89 0.75 1.74 | 24.00 0.76 6.06 | 34.92 1.08 0.00 | 40.27 1.31 0.00 | 35.54 1.06 0.00 | 35.42 1.44 0.00 | 45.62 1.60 -0.93 | 48.72 1.74 -1.76 | 43.87 1.10 -0.03 | 53.06 0.93 -1.90 | 47.67 0.47 -2.08 | 43.57 0.35 -2.82 | 46.45 0.57 -2.95 | 52.32 0.95 -3.14 | 74.60 1.04 -17.69 | 59.77 0.77 -8.62 | 49.91 0.63 -6.90 | 56.84 0.28 -3.21 | 52.10 0.09 -2.30 | 35.90 -0.13 -1.91 | 29.58 -0.18 -0.55 |

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| PIERCEFIELD___HYD 23852 | 36.54 -0.07 0.00 | 29.10 -0.03 0.00 | 28.20 0.04 0.93 | 28.36 0.05 0.57 | 27.35 0.02 1.97 | 33.98 0.13 0.00 | 39.06 0.09 0.00 | 34.39 -0.09 0.00 | 33.78 -0.19 0.00 | 43.19 0.10 0.00 | 44.86 -0.37 0.00 | 42.39 -0.36 0.00 | 50.24 0.01 0.00 | 44.86 -0.26 0.00 | 39.63 -0.76 0.00 | 42.16 -0.76 0.00 | 47.54 -0.69 0.00 | 55.26 -0.61 0.00 | 49.93 -0.46 0.00 | 42.08 -0.31 0.00 | 53.00 -0.34 0.00 | 49.32 -0.40 0.00 | 33.89 -0.23 0.00 | 28.71 -0.51 0.00 |
| PINELAWN_CC_1 323563 | 38.79 2.18 0.00 | 30.65 1.52 0.00 | 30.01 1.43 0.50 | 30.07 1.50 0.31 | 29.82 1.59 1.07 | 35.73 1.88 0.00 | 41.20 2.26 0.02 | 39.34 2.15 -2.70 | 43.78 2.13 -7.68 | 51.96 2.68 -6.18 | 53.67 2.86 -5.59 | 49.22 2.91 -3.56 | 86.20 3.21 -32.76 | 53.81 2.97 -5.72 | 64.15 3.16 -20.60 | 52.81 3.26 -6.63 | 51.33 3.10 0.00 | 59.21 3.34 0.00 | 53.58 3.19 0.00 | 44.90 2.52 0.00 | 56.23 2.89 0.00 | 52.67 3.03 0.08 | 47.09 2.40 -10.56 | 32.77 2.16 -1.39 |
| PJM_GEN_HTP_PROXY 323702 | 38.10 1.49 0.00 | 30.24 1.11 0.00 | 29.54 0.96 0.50 | 29.57 1.00 0.31 | 29.25 1.02 1.07 | 34.97 1.12 0.00 | 40.36 1.39 0.00 | 35.94 1.46 0.00 | 35.42 1.52 0.08 | 44.86 1.77 0.00 | 47.14 1.91 0.00 | 44.73 1.99 0.00 | 52.43 2.21 0.00 | 47.35 2.23 0.00 | 42.74 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.45 2.58 0.00 | 57.30 2.32 -4.60 | 44.26 1.88 0.00 | 55.58 2.24 0.00 | 52.45 2.26 -0.47 | 35.86 1.74 0.00 | 30.84 1.62 0.00 |
| PJM_GEN_KEystone 24065 | 36.29 -0.32 0.00 | 28.71 -0.42 0.00 | 26.81 -0.70 1.57 | 27.26 -0.65 0.96 | 25.28 -0.67 3.35 | 33.24 -0.61 0.00 | 38.15 -0.82 0.00 | 33.57 -0.92 0.00 | 33.35 -0.46 0.16 | 41.36 -0.70 1.04 | 42.89 -0.58 1.76 | 42.06 -0.66 0.03 | 48.32 -0.96 0.96 | 31.52 -0.69 12.91 | 28.79 -0.25 11.35 | 36.72 -0.28 5.93 | 40.29 -0.55 7.40 | 40.72 -1.02 14.13 | 49.45 -0.76 0.17 | 33.15 -0.69 8.54 | 51.79 -0.77 0.79 | 47.19 -0.70 1.82 | 32.87 -0.38 0.88 | 28.51 -0.16 0.55 |
| PJM_GEN_NEPTUNE_PROXY 323594 | 33.69 1.76 4.68 | 24.61 1.20 5.72 | 24.69 1.12 5.51 | 24.62 1.21 5.46 | 24.70 1.29 5.88 | 29.03 1.49 6.32 | 35.13 1.81 5.64 | 32.35 1.76 3.89 | 35.91 1.71 -0.23 | 43.69 2.12 1.52 | 42.49 2.30 5.04 | 42.99 2.40 2.15 | 24.16 2.59 28.66 | 47.31 2.35 0.16 | 37.76 2.64 5.28 | 46.22 2.62 -0.68 | 50.67 2.44 0.00 | 58.45 2.58 0.00 | 57.45 2.46 -4.60 | 44.34 1.95 0.00 | 55.60 2.26 0.00 | 50.26 2.36 1.82 | 21.78 1.96 14.30 | 28.32 1.81 2.70 |
| PJM_GEN_VFT_PROXY 323633 | 37.92 1.31 0.00 | 30.09 0.95 0.00 | 29.37 0.78 0.50 | 29.41 0.84 0.31 | 29.08 0.85 1.07 | 34.78 0.93 0.00 | 40.12 1.15 0.00 | 35.72 1.24 0.00 | 34.70 1.29 0.57 | 43.91 1.46 0.64 | 46.83 1.60 0.00 | 44.46 1.71 0.00 | 52.06 1.84 0.00 | 47.07 1.95 0.00 | 42.50 2.10 0.00 | 45.13 2.21 0.00 | 50.30 2.07 0.00 | 58.09 2.22 0.00 | 56.96 1.98 -4.60 | 43.99 1.61 0.00 | 55.24 1.90 0.00 | 52.19 2.00 -0.47 | 34.97 1.58 0.72 | 30.71 1.50 0.00 |
| PLATSBURG_115KV_PMLD1 355749 | 37.31 0.71 0.00 | 29.67 0.54 0.00 | 29.35 0.64 0.37 | 29.29 0.64 0.23 | 29.14 0.63 0.79 | 34.64 0.79 0.00 | 39.91 0.94 0.00 | 35.22 0.73 0.00 | 34.60 0.62 0.00 | 43.82 0.72 0.00 | 45.83 0.60 0.00 | 43.34 0.60 0.00 | 51.12 0.89 0.00 | 45.80 0.68 0.00 | 40.67 0.28 0.00 | 43.31 0.38 0.00 | 48.76 0.53 0.00 | 56.80 0.93 0.00 | 51.35 0.96 0.00 | 43.06 0.68 0.00 | 54.26 0.92 0.00 | 50.20 0.49 0.00 | 34.26 0.14 0.00 | 29.15 -0.07 0.00 |
| PLEASANTVLY___LBMP 24000 | 37.73 1.12 0.00 | 29.97 0.84 0.00 | 29.33 0.72 0.48 | 29.34 0.76 0.29 | 29.05 0.77 1.02 | 34.69 0.84 0.00 | 40.00 1.04 0.00 | 35.57 1.08 0.00 | 35.07 1.10 0.00 | 44.37 1.28 0.00 | 46.64 1.41 0.00 | 44.20 1.46 0.00 | 51.84 1.61 0.00 | 46.79 1.67 0.00 | 42.17 1.78 0.00 | 44.81 1.88 0.00 | 50.00 1.76 0.00 | 57.80 1.93 0.00 | 52.12 1.74 0.00 | 43.80 1.42 0.00 | 55.05 1.71 0.00 | 51.42 1.71 0.00 | 35.46 1.33 0.00 | 30.50 1.28 0.00 |
| PLSNTVLE_13_KV_13.8KVDIST 80602 | 37.98 1.37 0.00 | 30.16 1.03 0.00 | 29.48 0.89 0.50 | 29.50 0.93 0.30 | 29.18 0.94 1.07 | 34.90 1.05 0.00 | 40.26 1.30 0.00 | 35.82 1.34 0.00 | 35.36 1.39 0.00 | 44.72 1.62 0.00 | 46.99 1.76 0.00 | 44.58 1.83 0.00 | 52.26 2.03 0.00 | 47.16 2.04 0.00 | 42.55 2.16 0.00 | 45.21 2.29 0.00 | 50.43 2.20 0.00 | 58.26 2.39 0.00 | 52.56 2.17 0.00 | 44.14 1.75 0.00 | 55.45 2.11 0.00 | 51.82 2.10 0.00 | 35.74 1.61 0.00 | 30.72 1.50 0.00 |
| PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020 | 37.98 1.37 0.00 | 30.16 1.03 0.00 | 29.48 0.89 0.50 | 29.50 0.93 0.30 | 29.18 0.94 1.07 | 34.90 1.05 0.00 | 40.26 1.30 0.00 | 35.82 1.34 0.00 | 35.36 1.39 0.00 | 44.72 1.62 0.00 | 46.99 1.76 0.00 | 44.58 1.83 0.00 | 52.26 2.03 0.00 | 47.16 2.04 0.00 | 42.55 2.16 0.00 | 45.21 2.29 0.00 | 50.43 2.20 0.00 | 58.26 2.39 0.00 | 52.56 2.17 0.00 | 44.14 1.75 0.00 | 55.45 2.11 0.00 | 51.82 2.10 0.00 | 35.74 1.61 0.00 | 30.72 1.50 0.00 |
| PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023 | 37.97 1.36 0.00 | 30.15 1.02 0.00 | 29.52 0.91 0.48 | 29.52 0.94 0.29 | 29.24 0.97 1.03 | 34.92 1.07 0.00 | 40.31 1.34 0.00 | 35.85 1.36 0.00 | 35.35 1.37 0.00 | 44.72 1.62 0.00 | 46.99 1.76 0.00 | 44.52 1.78 0.00 | 52.23 2.00 0.00 | 47.13 2.01 0.00 | 42.48 2.08 0.00 | 45.14 2.21 0.00 | 50.45 2.22 0.00 | 58.37 2.50 0.00 | 52.66 2.27 0.00 | 44.26 1.88 0.00 | 55.63 2.29 0.00 | 51.90 2.18 0.00 | 35.77 1.65 0.00 | 30.74 1.52 0.00 |
| POLETTI_____ 23519 | 38.00 1.39 0.00 | 30.17 1.04 0.00 | 29.46 0.88 0.50 | 29.50 0.93 0.31 | 29.17 0.94 1.07 | 34.87 1.02 0.00 | 40.24 1.28 0.00 | 35.85 1.37 0.00 | 35.41 1.43 0.00 | 44.74 1.64 0.00 | 47.02 1.79 0.00 | 44.62 1.88 0.00 | 52.29 2.06 0.00 | 47.23 2.11 0.00 | 42.64 2.24 0.00 | 45.29 2.37 0.00 | 50.48 2.25 0.00 | 58.30 2.43 0.00 | 52.57 2.18 0.00 | 44.14 1.75 0.00 | 55.42 2.08 0.00 | 51.85 2.13 0.00 | 35.78 1.66 0.00 | 30.78 1.56 0.00 |
| POMONA___ESR 323819 | 38.01 1.40 0.00 | 30.15 1.02 0.00 | 29.44 0.87 0.52 | 29.48 0.93 0.32 | 29.13 0.94 1.11 | 34.89 1.04 0.00 | 40.23 1.27 0.00 | 35.77 1.29 0.00 | 35.28 1.30 0.00 | 44.65 1.55 0.00 | 46.95 1.72 0.00 | 44.53 1.78 0.00 | 52.20 1.97 0.00 | 47.12 2.00 0.00 | 42.51 2.12 0.00 | 45.18 2.26 0.00 | 50.42 2.19 0.00 | 58.27 2.40 0.00 | 52.56 2.18 0.00 | 44.16 1.77 0.00 | 55.50 2.16 0.00 | 51.83 2.12 0.00 | 35.73 1.61 0.00 | 30.73 1.51 0.00 |
| PORT_JEFF_3 23555 | 35.74 2.27 3.14 | 26.88 1.59 3.84 | 26.76 1.54 3.86 | 26.73 1.62 3.77 | 26.72 1.72 4.31 | 31.85 2.03 4.03 | 37.87 2.46 3.56 | 35.27 2.24 1.45 | 39.21 2.21 -3.02 | 47.32 2.89 -1.34 | 47.23 3.08 1.08 | 45.83 3.12 0.03 | 48.00 3.36 5.59 | 50.35 3.23 -2.01 | 48.30 3.42 -4.48 | 49.30 3.52 -2.86 | 51.58 3.35 0.00 | 59.49 3.62 0.00 | 53.86 3.48 0.00 | 45.13 2.75 0.00 | 56.39 3.05 0.00 | 51.59 3.27 1.39 | 32.03 2.51 4.60 | 30.31 2.25 1.16 |
| PORT_JEFF_4 23616 | 35.74 2.27 3.14 | 26.88 1.59 3.84 | 26.76 1.54 3.86 | 26.73 1.62 3.77 | 26.72 1.72 4.31 | 31.85 2.03 4.03 | 37.87 2.46 3.56 | 35.27 2.24 1.45 | 39.21 2.21 -3.02 | 47.32 2.89 -1.34 | 47.23 3.08 1.08 | 45.83 3.12 0.03 | 48.00 3.36 5.59 | 50.35 3.23 -2.01 | 48.30 3.42 -4.48 | 49.30 3.52 -2.86 | 51.58 3.35 0.00 | 59.49 3.62 0.00 | 53.86 3.48 0.00 | 45.13 2.75 0.00 | 56.39 3.05 0.00 | 51.59 3.27 1.39 | 32.03 2.51 4.60 | 30.27 2.24 1.19 |

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| PORT_JEFF_IC 23713 | 35.89 2.32 3.04 | 27.04 1.62 3.71 | 26.90 1.57 3.75 | 26.88 1.66 3.65 | 26.86 1.75 4.20 | 32.05 2.07 3.87 | 38.07 2.51 3.41 | 35.46 2.27 1.29 | 39.43 2.25 -3.21 | 47.56 2.93 -1.53 | 47.51 3.10 0.81 | 46.00 3.14 -0.12 | 49.60 3.43 4.05 | 50.57 3.29 -2.16 | 49.00 3.49 -5.12 | 49.53 3.60 -3.01 | 51.66 3.43 0.00 | 59.59 3.72 0.00 | 53.96 3.58 0.00 | 45.20 2.81 0.00 | 56.39 3.05 0.00 | 51.72 3.34 1.34 | 32.71 2.58 3.99 | 30.43 2.29 1.08 |
| PPL PILGRIM_ST_GT1 24216 | 36.39 2.37 2.58 | 27.63 1.66 3.16 | 27.40 1.59 3.27 | 27.39 1.67 3.16 | 27.33 1.76 3.73 | 32.74 2.09 3.20 | 38.61 2.45 2.81 | 36.15 2.25 0.58 | 40.19 2.23 -3.99 | 48.42 2.98 -2.35 | 48.72 3.18 -0.32 | 46.69 3.22 -0.73 | 56.21 3.50 -2.47 | 51.18 3.28 -2.78 | 51.68 3.45 -7.85 | 50.12 3.56 -3.64 | 51.66 3.43 0.00 | 59.59 3.72 0.00 | 53.93 3.55 0.00 | 45.11 2.73 0.00 | 56.32 2.98 0.00 | 51.96 3.35 1.11 | 35.32 2.58 1.39 | 30.89 2.32 0.64 |
| PPL PILGRIM_ST_GT2 24217 | 36.39 2.37 2.58 | 27.63 1.66 3.16 | 27.40 1.59 3.27 | 27.39 1.67 3.16 | 27.33 1.76 3.73 | 32.74 2.09 3.20 | 38.61 2.45 2.81 | 36.15 2.25 0.58 | 40.19 2.23 -3.99 | 48.42 2.98 -2.35 | 48.72 3.18 -0.32 | 46.69 3.22 -0.73 | 56.21 3.50 -2.47 | 51.18 3.28 -2.78 | 51.68 3.45 -7.85 | 50.12 3.56 -3.64 | 51.66 3.43 0.00 | 59.59 3.72 0.00 | 53.93 3.55 0.00 | 45.11 2.73 0.00 | 56.32 2.98 0.00 | 51.96 3.35 1.11 | 35.32 2.58 1.39 | 30.89 2.32 0.64 |
| PPL_SHRM_GT3 24213 | 35.87 2.35 3.09 | 27.00 1.65 3.78 | 26.90 1.63 3.81 | 26.88 1.72 3.72 | 26.87 1.82 4.26 | 32.04 2.15 3.96 | 38.11 2.64 3.49 | 35.49 2.38 1.37 | 39.42 2.33 -3.11 | 47.62 3.10 -1.43 | 47.61 3.34 0.95 | 46.09 3.31 -0.04 | 48.90 3.54 4.87 | 50.62 3.43 -2.08 | 48.84 3.66 -4.78 | 49.63 3.78 -2.93 | 51.81 3.58 0.00 | 59.79 3.92 0.00 | 54.16 3.78 0.00 | 45.33 2.94 0.00 | 56.68 3.34 0.00 | 51.82 3.47 1.37 | 32.41 2.61 4.31 | 30.37 2.29 1.14 |
| PPL_SHRM_GT4 24214 | 35.87 2.35 3.09 | 27.00 1.65 3.78 | 26.90 1.63 3.81 | 26.88 1.72 3.72 | 26.87 1.82 4.26 | 32.04 2.15 3.96 | 38.11 2.64 3.49 | 35.49 2.38 1.37 | 39.42 2.33 -3.11 | 47.62 3.10 -1.43 | 47.61 3.34 0.95 | 46.09 3.31 -0.04 | 48.90 3.54 4.87 | 50.62 3.43 -2.08 | 48.84 3.66 -4.78 | 49.63 3.78 -2.93 | 51.81 3.58 0.00 | 59.79 3.92 0.00 | 54.16 3.78 0.00 | 45.33 2.94 0.00 | 56.68 3.34 0.00 | 51.82 3.47 1.37 | 32.41 2.61 4.31 | 30.37 2.29 1.14 |
| PROJECT___ORANGE 1 24174 | 35.60 -1.01 0.00 | 28.24 -0.90 0.00 | 23.16 -0.98 4.95 | 24.88 -0.97 3.03 | 17.78 -0.97 10.56 | 32.89 -0.96 0.00 | 37.91 -1.05 0.00 | 33.48 -1.00 0.00 | 33.15 -0.82 0.00 | 41.90 -1.20 0.00 | 44.04 -1.19 0.00 | 41.53 -1.21 0.00 | 48.78 -1.46 0.00 | 43.90 -0.90 0.00 | 39.50 -0.97 0.00 | 41.95 -0.97 0.00 | 46.97 -1.26 0.00 | 54.29 -1.58 0.00 | 49.04 -1.35 0.00 | 41.24 -1.15 0.00 | 51.96 -1.38 0.00 | 48.37 -1.35 0.00 | 33.14 -0.98 0.00 | 28.38 -0.84 0.00 |
| PROJECT___ORANGE 2 24166 | 35.60 -1.01 0.00 | 28.24 -0.90 0.00 | 23.16 -0.98 4.95 | 24.88 -0.97 3.03 | 17.78 -0.97 10.56 | 32.89 -0.96 0.00 | 37.91 -1.05 0.00 | 33.48 -1.00 0.00 | 33.15 -0.82 0.00 | 41.90 -1.20 0.00 | 44.04 -1.19 0.00 | 41.53 -1.21 0.00 | 48.78 -1.46 0.00 | 43.90 -0.90 0.00 | 39.50 -0.97 0.00 | 41.95 -0.97 0.00 | 46.97 -1.26 0.00 | 54.29 -1.58 0.00 | 49.04 -1.35 0.00 | 41.24 -1.15 0.00 | 51.96 -1.38 0.00 | 48.37 -1.35 0.00 | 33.14 -0.98 0.00 | 28.38 -0.84 0.00 |
| PUCKETT___SOLAR 323809 | 36.48 -0.12 0.00 | 28.81 -0.32 0.00 | 25.86 -0.50 2.73 | 26.73 -0.47 1.67 | 23.00 -0.48 5.82 | 33.51 -0.34 0.00 | 38.49 -0.48 0.00 | 33.96 -0.52 0.00 | 33.80 -0.17 0.00 | 42.73 -0.37 0.00 | 44.85 -0.38 0.00 | 42.14 -0.60 0.00 | 49.32 -0.91 0.00 | 44.29 -0.83 0.00 | 39.86 -0.53 0.00 | 42.38 -0.54 0.00 | 47.54 -0.69 0.00 | 54.84 -1.03 0.00 | 49.55 -0.84 0.00 | 41.70 -0.68 0.00 | 52.56 -0.78 0.00 | 48.89 -0.83 0.00 | 33.50 -0.62 0.00 | 28.71 -0.50 0.00 |
| PYRITES___HYD 24023 | 37.25 0.64 0.00 | 29.67 0.54 0.00 | 28.83 0.61 0.87 | 28.97 0.62 0.53 | 28.05 0.60 1.85 | 34.69 0.85 0.00 | 39.96 0.99 0.00 | 35.03 0.55 0.00 | 34.40 0.42 0.00 | 44.04 0.95 0.00 | 45.70 0.47 0.00 | 43.00 0.26 0.00 | 51.00 0.77 0.00 | 45.54 0.42 0.00 | 40.23 -0.17 0.00 | 42.93 0.01 0.00 | 48.57 0.34 0.00 | 56.57 0.70 0.00 | 51.13 0.74 0.00 | 43.12 0.74 0.00 | 54.47 1.13 0.00 | 50.63 0.91 0.00 | 34.71 0.59 0.00 | 29.38 0.16 0.00 |
| QUAKERRD_115KV_BK1 80622 | 34.24 -2.37 0.00 | 27.15 -1.98 0.00 | 24.48 -2.08 2.53 | 25.28 -2.05 1.55 | 21.85 -2.06 5.39 | 31.76 -2.09 0.00 | 36.54 -2.43 0.00 | 31.97 -2.51 0.00 | 31.81 -2.17 0.00 | 40.19 -2.90 0.00 | 42.34 -2.89 0.00 | 39.88 -2.86 0.00 | 46.39 -3.38 0.46 | 42.16 -2.96 0.00 | 38.05 -2.34 0.00 | 40.40 -2.53 0.00 | 45.30 -2.93 0.00 | 47.46 -3.72 4.69 | 45.51 -3.21 1.66 | 38.01 -2.69 1.68 | 49.95 -3.39 0.00 | 46.42 -3.29 0.00 | 31.40 -2.27 0.45 | 27.22 -2.00 0.00 |
| QUENSBRY_115KV_TB8 356137 | 38.06 1.45 0.00 | 30.40 1.27 0.00 | 30.00 1.25 0.34 | 29.83 1.17 0.21 | 29.78 1.21 0.73 | 35.23 1.38 0.00 | 40.86 1.89 0.00 | 36.38 1.90 0.00 | 35.62 1.64 0.00 | 45.10 2.01 0.00 | 47.47 2.25 0.00 | 44.80 2.06 0.00 | 52.48 2.24 0.00 | 47.23 2.12 0.00 | 42.28 1.89 0.00 | 45.00 2.08 0.00 | 50.32 2.09 0.00 | 58.65 2.78 0.00 | 53.04 2.66 0.00 | 44.77 2.39 0.00 | 56.65 3.31 0.00 | 52.69 2.98 0.00 | 35.96 1.84 0.00 | 30.86 1.64 0.00 |
| RAMAPO___LBMP 323565 | 37.84 1.23 0.00 | 30.01 0.88 0.00 | 29.30 0.73 0.52 | 29.34 0.79 0.32 | 28.98 0.80 1.12 | 34.72 0.87 0.00 | 40.04 1.07 0.00 | 35.57 1.09 0.00 | 35.08 1.10 0.00 | 44.38 1.28 0.00 | 46.66 1.43 0.00 | 44.26 1.52 0.00 | 51.89 1.65 0.00 | 46.84 1.72 0.00 | 42.25 1.85 0.00 | 44.90 1.98 0.00 | 50.13 1.90 0.00 | 57.93 2.06 0.00 | 52.26 1.88 0.00 | 43.90 1.52 0.00 | 55.20 1.86 0.00 | 51.54 1.82 0.00 | 35.53 1.41 0.00 | 30.58 1.36 0.00 |
| RANKINE____ 23646 | 34.32 -2.28 0.00 | 27.13 -2.00 0.00 | 24.43 -2.18 2.48 | 25.23 -2.13 1.52 | 21.88 -2.13 5.29 | 31.81 -2.04 0.00 | 36.43 -2.53 0.00 | 31.49 -2.99 0.00 | 31.61 -2.37 0.00 | 34.90 -3.11 5.08 | 32.61 -2.99 9.62 | 39.36 -3.25 0.14 | 42.78 -3.90 3.55 | 30.39 -3.31 11.42 | 22.45 -2.45 15.49 | 24.12 -2.62 16.19 | 27.94 -3.04 17.25 | 26.06 -4.23 25.57 | 26.77 -3.55 20.07 | 29.10 -2.93 10.34 | 32.17 -3.54 17.63 | 33.61 -3.52 12.59 | 28.50 -2.45 3.17 | 24.14 -2.07 3.01 |
| RAVENSWOOD_GT2_1 24244 | 38.10 1.49 0.00 | 30.26 1.12 0.00 | 29.55 0.96 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.38 1.41 0.00 | 35.95 1.46 0.00 | 35.50 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.43 2.20 0.00 | 47.35 2.23 0.00 | 42.74 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.97 2.26 0.00 | 35.86 1.74 0.00 | 30.84 1.62 0.00 |
| RAVENSWOOD_GT2_2 24245 | 38.10 1.49 0.00 | 30.26 1.12 0.00 | 29.55 0.96 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.38 1.41 0.00 | 35.95 1.46 0.00 | 35.50 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.43 2.20 0.00 | 47.35 2.23 0.00 | 42.74 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.56 2.22 0.00 | 51.97 2.26 0.00 | 35.86 1.74 0.00 | 30.84 1.62 0.00 |

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| RAVENSWOOD_GT2_3 24246 | 38.11 1.50 0.00 | 30.26 1.13 0.00 | 29.56 0.97 0.50 | 29.58 1.02 0.31 | 29.26 1.04 1.07 | 35.00 1.15 0.00 | 40.39 1.42 0.00 | 35.96 1.48 0.00 | 35.51 1.54 0.00 | 44.87 1.77 0.00 | 47.16 1.93 0.00 | 44.75 2.00 0.00 | 52.45 2.22 0.00 | 47.37 2.26 0.00 | 42.76 2.37 0.00 | 45.42 2.50 0.00 | 50.63 2.40 0.00 | 58.47 2.60 0.00 | 52.72 2.33 0.00 | 44.26 1.88 0.00 | 55.60 2.26 0.00 | 52.00 2.29 0.00 | 35.87 1.75 0.00 | 30.86 1.64 0.00 |
| RAVENSWOOD_GT2_4 24247 | 38.11 1.50 0.00 | 30.26 1.13 0.00 | 29.56 0.97 0.50 | 29.58 1.02 0.31 | 29.26 1.04 1.07 | 35.00 1.15 0.00 | 40.39 1.42 0.00 | 35.96 1.48 0.00 | 35.51 1.54 0.00 | 44.87 1.77 0.00 | 47.16 1.93 0.00 | 44.75 2.00 0.00 | 52.45 2.22 0.00 | 47.37 2.26 0.00 | 42.76 2.37 0.00 | 45.42 2.50 0.00 | 50.63 2.40 0.00 | 58.47 2.60 0.00 | 52.72 2.33 0.00 | 44.26 1.88 0.00 | 55.60 2.26 0.00 | 52.00 2.29 0.00 | 35.87 1.75 0.00 | 30.86 1.64 0.00 |
| RAVENSWOOD_GT3_1 24248 | 38.10 1.49 0.00 | 30.26 1.12 0.00 | 29.55 0.97 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.38 1.41 0.00 | 35.95 1.46 0.00 | 35.50 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.73 1.99 0.00 | 52.43 2.20 0.00 | 47.35 2.23 0.00 | 42.74 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 51.97 2.26 0.00 | 35.86 1.74 0.00 | 30.84 1.62 0.00 |
| RAVENSWOOD_GT3_2 24249 | 38.10 1.49 0.00 | 30.26 1.12 0.00 | 29.55 0.97 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.38 1.41 0.00 | 35.95 1.46 0.00 | 35.50 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.73 1.99 0.00 | 52.43 2.20 0.00 | 47.35 2.23 0.00 | 42.74 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 51.97 2.26 0.00 | 35.86 1.74 0.00 | 30.84 1.62 0.00 |
| RAVENSWOOD_GT3_3 24250 | 38.14 1.53 0.00 | 30.28 1.15 0.00 | 29.58 1.00 0.50 | 29.61 1.05 0.31 | 29.28 1.05 1.07 | 35.03 1.18 0.00 | 40.43 1.46 0.00 | 35.99 1.51 0.00 | 35.55 1.57 0.00 | 44.92 1.82 0.00 | 47.21 1.98 0.00 | 44.81 2.06 0.00 | 52.52 2.28 0.00 | 47.42 2.30 0.00 | 42.80 2.41 0.00 | 45.47 2.55 0.00 | 50.68 2.45 0.00 | 58.53 2.66 0.00 | 52.77 2.39 0.00 | 44.31 1.93 0.00 | 55.65 2.31 0.00 | 52.05 2.34 0.00 | 35.91 1.78 0.00 | 30.88 1.67 0.00 |
| RAVENSWOOD_GT3_4 24251 | 38.14 1.53 0.00 | 30.28 1.15 0.00 | 29.58 1.00 0.50 | 29.61 1.05 0.31 | 29.28 1.05 1.07 | 35.03 1.18 0.00 | 40.43 1.46 0.00 | 35.99 1.51 0.00 | 35.55 1.57 0.00 | 44.92 1.82 0.00 | 47.21 1.98 0.00 | 44.81 2.06 0.00 | 52.52 2.28 0.00 | 47.42 2.30 0.00 | 42.80 2.41 0.00 | 45.47 2.55 0.00 | 50.68 2.45 0.00 | 58.53 2.66 0.00 | 52.77 2.39 0.00 | 44.31 1.93 0.00 | 55.65 2.31 0.00 | 52.05 2.34 0.00 | 35.91 1.78 0.00 | 30.88 1.67 0.00 |
| RAVENSWOOD_GT_1 23729 | 38.18 1.57 0.00 | 30.35 1.21 0.00 | 29.63 1.05 0.50 | 29.67 1.10 0.31 | 29.34 1.11 1.07 | 35.07 1.22 0.00 | 40.49 1.52 0.00 | 36.08 1.60 0.00 | 35.63 1.65 0.00 | 44.92 1.83 0.00 | 47.25 2.02 0.00 | 44.86 2.12 0.00 | 52.60 2.37 0.00 | 47.48 2.36 0.00 | 42.89 2.50 0.00 | 45.53 2.61 0.00 | 50.74 2.51 0.00 | 58.56 2.69 0.00 | 52.78 2.39 0.00 | 44.31 1.93 0.00 | 55.65 2.30 0.00 | 52.05 2.33 0.00 | 37.43 1.79 -1.52 | 30.91 1.69 0.00 |
| RAVENSWOOD_GT_10 24258 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.55 0.96 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.37 1.40 0.00 | 35.94 1.46 0.00 | 35.49 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.43 2.20 0.00 | 47.34 2.22 0.00 | 42.73 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 51.97 2.26 0.00 | 36.04 1.74 -0.17 | 30.84 1.62 0.00 |
| RAVENSWOOD_GT_11 24259 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.55 0.96 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.37 1.40 0.00 | 35.94 1.46 0.00 | 35.49 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.43 2.20 0.00 | 47.34 2.22 0.00 | 42.73 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 51.97 2.26 0.00 | 36.04 1.74 -0.17 | 30.84 1.62 0.00 |
| RAVENSWOOD_GT_4 24252 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.54 0.96 0.50 | 29.57 1.00 0.31 | 29.25 1.03 1.07 | 34.97 1.12 0.00 | 40.36 1.40 0.00 | 35.93 1.45 0.00 | 35.48 1.51 0.00 | 44.85 1.76 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.42 2.19 0.00 | 47.34 2.22 0.00 | 42.73 2.33 0.00 | 45.39 2.46 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 52.00 2.28 0.00 | 37.03 1.75 -1.16 | 30.85 1.63 0.00 |
| RAVENSWOOD_GT_5 24254 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.54 0.96 0.50 | 29.57 1.00 0.31 | 29.25 1.03 1.07 | 34.97 1.12 0.00 | 40.36 1.40 0.00 | 35.93 1.45 0.00 | 35.48 1.51 0.00 | 44.85 1.76 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.42 2.19 0.00 | 47.34 2.22 0.00 | 42.73 2.33 0.00 | 45.39 2.46 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 52.00 2.28 0.00 | 37.03 1.75 -1.16 | 30.85 1.63 0.00 |
| RAVENSWOOD_GT_6 24253 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.54 0.96 0.50 | 29.57 1.00 0.31 | 29.25 1.03 1.07 | 34.97 1.12 0.00 | 40.36 1.40 0.00 | 35.93 1.45 0.00 | 35.48 1.51 0.00 | 44.85 1.76 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.42 2.19 0.00 | 47.34 2.22 0.00 | 42.73 2.33 0.00 | 45.39 2.46 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 52.00 2.28 0.00 | 37.03 1.75 -1.16 | 30.85 1.63 0.00 |
| RAVENSWOOD_GT_7 24255 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.54 0.96 0.50 | 29.57 1.00 0.31 | 29.25 1.03 1.07 | 34.97 1.12 0.00 | 40.36 1.40 0.00 | 35.93 1.45 0.00 | 35.48 1.51 0.00 | 44.85 1.76 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.42 2.19 0.00 | 47.34 2.22 0.00 | 42.73 2.33 0.00 | 45.39 2.46 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 52.00 2.28 0.00 | 37.03 1.75 -1.16 | 30.85 1.63 0.00 |
| RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.55 0.96 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.37 1.40 0.00 | 35.94 1.46 0.00 | 35.49 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.43 2.20 0.00 | 47.34 2.22 0.00 | 42.73 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 51.97 2.26 0.00 | 36.04 1.74 -0.17 | 30.84 1.62 0.00 |
| RAVENSWOOD_GT_9 24257 | 38.10 1.49 0.00 | 30.25 1.12 0.00 | 29.55 0.96 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.37 1.40 0.00 | 35.94 1.46 0.00 | 35.49 1.52 0.00 | 44.84 1.75 0.00 | 47.13 1.91 0.00 | 44.72 1.98 0.00 | 52.43 2.20 0.00 | 47.34 2.22 0.00 | 42.73 2.34 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 51.97 2.26 0.00 | 36.04 1.74 -0.17 | 30.84 1.62 0.00 |

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| RAVENSWOOD___1 23533 | 38.13 1.52 0.00 | 30.30 1.17 0.00 | 29.58 1.00 0.50 | 29.62 1.05 0.31 | 29.29 1.06 1.07 | 35.02 1.17 0.00 | 40.43 1.46 0.00 | 36.03 1.54 0.00 | 35.56 1.59 0.00 | 44.86 1.77 0.00 | 47.17 1.94 0.00 | 44.79 2.04 0.00 | 52.49 2.26 0.00 | 47.40 2.28 0.00 | 42.82 2.42 0.00 | 45.47 2.54 0.00 | 50.64 2.42 0.00 | 58.49 2.62 0.00 | 52.73 2.34 0.00 | 44.27 1.89 0.00 | 55.59 2.25 0.00 | 51.96 2.25 0.00 | 34.34 1.72 1.50 | 30.84 1.62 0.00 |
| RAVENSWOOD___2 23534 | 38.13 1.52 0.00 | 30.30 1.17 0.00 | 29.58 1.00 0.50 | 29.62 1.05 0.31 | 29.29 1.06 1.07 | 35.02 1.17 0.00 | 40.43 1.46 0.00 | 36.03 1.54 0.00 | 35.56 1.59 0.00 | 44.86 1.77 0.00 | 47.17 1.94 0.00 | 44.79 2.04 0.00 | 52.49 2.26 0.00 | 47.40 2.28 0.00 | 42.82 2.42 0.00 | 45.47 2.54 0.00 | 50.64 2.42 0.00 | 58.49 2.62 0.00 | 52.73 2.34 0.00 | 44.27 1.89 0.00 | 55.59 2.25 0.00 | 51.96 2.25 0.00 | 34.34 1.72 1.50 | 30.84 1.62 0.00 |
| RAVENSWOOD___3 23535 | 38.11 1.50 0.00 | 30.26 1.12 0.00 | 29.55 0.97 0.50 | 29.58 1.01 0.31 | 29.25 1.03 1.07 | 34.98 1.13 0.00 | 40.38 1.42 0.00 | 35.95 1.47 0.00 | 35.50 1.53 0.00 | 44.85 1.75 0.00 | 47.14 1.91 0.00 | 44.73 1.99 0.00 | 52.43 2.21 0.00 | 47.34 2.23 0.00 | 42.74 2.35 0.00 | 45.40 2.47 0.00 | 50.61 2.38 0.00 | 58.44 2.57 0.00 | 52.70 2.31 0.00 | 44.25 1.87 0.00 | 55.57 2.23 0.00 | 51.98 2.26 0.00 | 35.86 1.74 0.00 | 30.84 1.62 0.00 |
| RAVENSWOOD___4 23820 | 38.13 1.52 0.00 | 30.30 1.17 0.00 | 29.58 1.00 0.50 | 29.62 1.05 0.31 | 29.29 1.06 1.07 | 35.02 1.17 0.00 | 40.43 1.46 0.00 | 36.03 1.54 0.00 | 35.56 1.59 0.00 | 44.86 1.77 0.00 | 47.17 1.94 0.00 | 44.79 2.04 0.00 | 52.49 2.26 0.00 | 47.40 2.28 0.00 | 42.82 2.42 0.00 | 45.47 2.54 0.00 | 50.64 2.42 0.00 | 58.49 2.62 0.00 | 52.73 2.34 0.00 | 44.27 1.89 0.00 | 55.59 2.25 0.00 | 51.96 2.25 0.00 | 34.34 1.72 1.50 | 30.84 1.62 0.00 |
| RCPL_TRUST___DRP 24196 | 38.12 1.51 0.00 | 30.26 1.12 0.00 | 29.56 0.98 0.50 | 29.58 1.02 0.31 | 29.26 1.04 1.07 | 35.00 1.15 0.00 | 40.39 1.43 0.00 | 35.97 1.49 0.00 | 35.53 1.55 0.00 | 44.91 1.82 0.00 | 47.19 1.96 0.00 | 44.77 2.03 0.00 | 52.48 2.25 0.00 | 47.39 2.28 0.00 | 42.78 2.39 0.00 | 45.46 2.53 0.00 | 50.66 2.44 0.00 | 58.51 2.64 0.00 | 52.75 2.37 0.00 | 44.29 1.90 0.00 | 55.61 2.27 0.00 | 52.04 2.32 0.00 | 35.90 1.78 0.00 | 30.87 1.66 0.00 |
| RED___ROCHESTER 323720 | 35.03 -1.59 0.00 | 27.73 -1.40 0.00 | 25.15 -1.51 2.43 | 25.91 -1.48 1.48 | 22.65 -1.48 5.17 | 32.48 -1.37 0.00 | 37.35 -1.62 0.00 | 32.60 -1.88 0.00 | 32.53 -1.45 0.00 | 41.11 -1.99 0.00 | 43.35 -1.88 0.00 | 40.79 -1.95 0.00 | 47.40 -2.31 0.52 | 43.15 -1.96 0.00 | 39.00 -1.40 0.00 | 41.43 -1.49 0.00 | 46.46 -1.77 0.00 | 48.19 -2.48 5.20 | 46.49 -2.06 1.84 | 38.79 -1.73 1.86 | 51.20 -2.15 0.00 | 47.50 -2.22 0.00 | 32.09 -1.53 0.49 | 27.84 -1.38 0.00 |
| REGAN___SOLAR 323812 | 38.29 1.68 0.00 | 30.38 1.25 0.00 | 29.80 1.18 0.46 | 29.78 1.19 0.28 | 29.55 1.24 0.99 | 35.35 1.50 0.00 | 40.83 1.86 0.00 | 36.11 1.63 0.00 | 35.43 1.45 0.00 | 44.83 1.74 0.00 | 46.94 1.71 0.00 | 44.05 1.30 0.00 | 51.95 1.72 0.00 | 46.94 1.82 0.00 | 41.91 1.52 0.00 | 44.65 1.73 0.00 | 50.18 1.95 0.00 | 58.07 2.20 0.00 | 52.49 2.11 0.00 | 44.33 1.94 0.00 | 56.20 2.86 0.00 | 52.38 2.66 0.00 | 35.79 1.67 0.00 | 30.52 1.30 0.00 |
| RENSSELAER___COGEN 23796 | 36.68 0.07 0.00 | 29.27 0.14 0.00 | 28.89 0.16 0.36 | 28.81 0.15 0.22 | 28.71 0.17 0.76 | 33.96 0.11 0.00 | 39.11 0.14 0.00 | 34.71 0.23 0.00 | 34.00 0.02 0.00 | 43.03 -0.06 0.00 | 45.19 -0.03 0.00 | 42.72 -0.02 0.00 | 50.17 -0.06 0.00 | 45.22 0.10 0.00 | 40.61 0.22 0.00 | 43.12 0.20 0.00 | 48.01 -0.22 0.00 | 55.77 -0.11 0.00 | 50.29 -0.09 0.00 | 42.38 0.00 0.00 | 53.29 -0.06 0.00 | 49.77 0.05 0.00 | 34.24 0.12 0.00 | 29.50 0.28 0.00 |
| REPUBLIC_115KV_BARTNBRK 55605 | 39.36 2.75 0.00 | 31.94 2.80 0.00 | 31.22 2.48 0.34 | 30.70 2.03 0.21 | 30.67 2.11 0.73 | 36.17 2.32 0.00 | 42.51 3.55 0.00 | 38.16 3.68 0.00 | 37.11 3.14 0.00 | 46.67 3.58 0.00 | 49.43 4.20 0.00 | 46.52 3.78 0.00 | 54.31 4.08 0.00 | 48.45 3.34 0.00 | 43.32 2.93 0.00 | 46.03 3.10 0.00 | 51.25 3.02 0.00 | 60.26 4.39 0.00 | 54.76 4.37 0.00 | 46.55 4.17 0.00 | 59.68 6.34 0.00 | 54.99 5.28 0.00 | 37.16 3.04 0.00 | 31.99 2.78 0.00 |
| REVERE_CPPR_DRP 24186 | 37.39 0.78 0.00 | 29.66 0.53 0.00 | 27.16 0.43 2.35 | 27.90 0.46 1.44 | 24.77 0.48 5.01 | 34.57 0.72 0.00 | 39.88 0.92 0.00 | 35.27 0.79 0.00 | 34.83 0.85 0.00 | 44.03 0.94 0.00 | 46.10 0.87 0.00 | 43.46 0.72 0.00 | 51.13 0.90 0.00 | 46.08 0.96 0.00 | 41.43 1.04 0.00 | 43.99 1.06 0.00 | 49.16 0.93 0.00 | 56.96 1.09 0.00 | 51.50 1.12 0.00 | 43.36 0.98 0.00 | 54.53 1.19 0.00 | 50.66 0.94 0.00 | 34.65 0.53 0.00 | 29.55 0.33 0.00 |
| REYNLDPA_13_KV_LD 356490 | 36.91 0.30 0.00 | 29.40 0.27 0.00 | 29.07 0.36 0.38 | 28.99 0.35 0.23 | 28.82 0.33 0.81 | 34.29 0.44 0.00 | 39.49 0.52 0.00 | 34.78 0.30 0.00 | 34.28 0.30 0.00 | 43.62 0.52 0.00 | 45.64 0.41 0.00 | 43.19 0.44 0.00 | 50.94 0.71 0.00 | 45.51 0.39 0.00 | 40.46 0.06 0.00 | 43.05 0.13 0.00 | 48.69 0.45 0.00 | 56.48 0.61 0.00 | 50.95 0.56 0.00 | 42.88 0.50 0.00 | 54.01 0.67 0.00 | 50.20 0.49 0.00 | 34.36 0.24 0.00 | 29.25 0.03 0.00 |
| REYNOLDS_115KV_TB3 80639 | 36.98 0.37 0.00 | 29.48 0.35 0.00 | 29.13 0.40 0.36 | 29.04 0.38 0.22 | 28.95 0.40 0.76 | 34.22 0.37 0.00 | 39.41 0.45 0.00 | 34.96 0.48 0.00 | 34.19 0.22 0.00 | 43.35 0.25 0.00 | 45.53 0.30 0.00 | 43.03 0.29 0.00 | 50.55 0.32 0.00 | 45.56 0.44 0.00 | 40.87 0.48 0.00 | 43.42 0.50 0.00 | 48.30 0.07 0.00 | 56.13 0.26 0.00 | 50.62 0.23 0.00 | 42.65 0.27 0.00 | 53.67 0.33 0.00 | 50.10 0.38 0.00 | 34.46 0.34 0.00 | 29.70 0.48 0.00 |
| RIVERBAY____ 323610 | 39.04 2.43 0.00 | 31.02 1.88 0.00 | 30.28 1.70 0.50 | 30.34 1.77 0.31 | 30.03 1.80 1.07 | 35.96 2.11 0.00 | 41.51 2.54 0.00 | 36.92 2.44 0.00 | 36.43 2.45 0.00 | 45.82 2.73 0.00 | 48.31 3.08 0.00 | 45.89 3.15 0.00 | 53.82 3.59 0.00 | 48.50 3.38 0.00 | 43.85 3.45 0.00 | 46.55 3.63 0.00 | 51.85 3.62 0.00 | 59.80 3.94 0.00 | 53.90 3.52 0.00 | 45.26 2.88 0.00 | 56.80 3.46 0.00 | 53.13 3.41 0.00 | 36.66 2.54 0.00 | 31.51 2.29 0.00 |
| RIVERSDE_115KV_TB3 55908 | 36.84 0.22 0.00 | 29.38 0.25 0.00 | 29.02 0.29 0.36 | 28.93 0.27 0.22 | 28.83 0.29 0.76 | 34.10 0.25 0.00 | 39.28 0.31 0.00 | 34.85 0.37 0.00 | 34.13 0.15 0.00 | 43.22 0.13 0.00 | 45.40 0.17 0.00 | 42.91 0.16 0.00 | 50.42 0.18 0.00 | 45.44 0.32 0.00 | 40.79 0.39 0.00 | 43.32 0.39 0.00 | 48.20 -0.03 0.00 | 55.99 0.12 0.00 | 50.51 0.12 0.00 | 42.56 0.18 0.00 | 53.53 0.19 0.00 | 49.96 0.25 0.00 | 34.36 0.24 0.00 | 29.62 0.40 0.00 |
| ROARING___BROOK_WT_PWR 323790 | 36.47 -0.14 0.00 | 29.01 -0.12 0.00 | 28.68 -0.12 0.29 | 28.63 -0.07 0.17 | 28.60 -0.09 0.61 | 33.74 -0.11 0.00 | 38.80 -0.16 0.00 | 34.23 -0.25 0.00 | 33.64 -0.33 0.00 | 42.63 -0.46 0.00 | 44.59 -0.64 0.00 | 42.08 -0.66 0.00 | 49.69 -0.53 0.00 | 44.67 -0.45 0.00 | 40.00 -0.39 0.00 | 42.36 -0.56 0.00 | 47.65 -0.58 0.00 | 55.28 -0.59 0.00 | 49.84 -0.54 0.00 | 41.72 -0.66 0.00 | 52.35 -0.99 0.00 | 48.72 -0.99 0.00 | 33.32 -0.80 0.00 | 28.52 -0.70 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|--------------------------|--------------------------|-------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|---------------------------|--------------------------|-------------------------|--------------------------|
| ROCHESRG_115KV_T4 355643 | 34.69 -1.92 0.00 | 27.50 -1.64 0.00 | 24.95 -1.76 2.38 | 25.70 -1.72 1.46 | 22.50 -1.73 5.08 | 32.17 -1.68 0.00 | 36.98 -1.99 0.00 | 32.27 -2.21 0.00 | 32.16 -1.81 0.00 | 39.99 -2.45 0.66 | 41.60 -2.39 1.25 | 40.30 -2.43 0.02 | 46.49 -2.89 0.85 | 41.15 -2.49 1.48 | 36.51 -1.88 2.00 | 38.81 -2.02 2.09 | 43.63 -2.37 2.23 | 45.48 -3.16 7.23 | 43.73 -2.67 3.98 | 37.40 -2.24 2.74 | 48.26 -2.80 2.28 | 45.32 -2.77 1.63 | 31.45 -1.89 0.78 | 27.15 -1.68 0.39 |
| ROCHESTER_9_IC 23652 | 34.86 -1.74 0.00 | 27.62 -1.51 0.00 | 25.04 -1.62 2.43 | 25.80 -1.59 1.48 | 22.53 -1.60 5.17 | 32.34 -1.52 0.00 | 37.18 -1.79 0.00 | 32.45 -2.03 0.00 | 32.36 -1.61 0.00 | 40.88 -2.21 0.00 | 43.11 -2.12 0.00 | 40.58 -2.16 0.00 | 47.14 -2.57 0.52 | 42.91 -2.21 0.00 | 38.76 -1.63 0.00 | 41.16 -1.76 0.00 | 46.17 -2.06 0.00 | 47.87 -2.80 5.20 | 46.18 -2.36 1.84 | 38.55 -1.97 1.86 | 50.87 -2.47 0.00 | 47.24 -2.48 0.00 | 31.92 -1.71 0.49 | 27.70 -1.52 0.00 |
| ROCKVIEW_13_KV_LD 356306 | 38.10 1.49 0.00 | 30.24 1.10 0.00 | 29.54 0.96 0.50 | 29.57 1.00 0.31 | 29.25 1.02 1.07 | 34.99 1.14 0.00 | 40.38 1.41 0.00 | 35.93 1.45 0.00 | 35.48 1.51 0.00 | 44.89 1.80 0.00 | 47.18 1.96 0.00 | 44.75 2.01 0.00 | 52.46 2.23 0.00 | 47.35 2.24 0.00 | 42.73 2.33 0.00 | 45.41 2.49 0.00 | 50.64 2.41 0.00 | 58.50 2.63 0.00 | 52.77 2.38 0.00 | 44.31 1.93 0.00 | 55.66 2.32 0.00 | 52.00 2.28 0.00 | 35.86 1.74 0.00 | 30.83 1.61 0.00 |
| ROME____115KV_TB2 80656 | 37.39 0.78 0.00 | 29.66 0.53 0.00 | 27.16 0.43 2.35 | 27.90 0.46 1.44 | 24.77 0.48 5.01 | 34.57 0.72 0.00 | 39.88 0.92 0.00 | 35.27 0.79 0.00 | 34.83 0.85 0.00 | 44.03 0.94 0.00 | 46.10 0.87 0.00 | 43.46 0.72 0.00 | 51.13 0.90 0.00 | 46.08 0.96 0.00 | 41.43 1.04 0.00 | 43.99 1.06 0.00 | 49.16 0.93 0.00 | 56.96 1.09 0.00 | 51.50 1.12 0.00 | 43.36 0.98 0.00 | 54.53 1.19 0.00 | 50.66 0.94 0.00 | 34.65 0.53 0.00 | 29.55 0.33 0.00 |
| ROSETON___1 23587 | 37.76 1.15 0.00 | 29.98 0.85 0.00 | 29.31 0.72 0.51 | 29.33 0.77 0.31 | 29.00 0.78 1.08 | 34.70 0.85 0.00 | 40.03 1.06 0.00 | 35.58 1.09 0.00 | 35.10 1.12 0.00 | 44.40 1.30 0.00 | 46.66 1.43 0.00 | 44.24 1.49 0.00 | 51.87 1.63 0.00 | 46.81 1.69 0.00 | 42.20 1.81 0.00 | 44.84 1.92 0.00 | 50.05 1.82 0.00 | 57.84 1.97 0.00 | 52.17 1.79 0.00 | 43.83 1.45 0.00 | 55.10 1.76 0.00 | 51.46 1.74 0.00 | 35.49 1.37 0.00 | 30.51 1.29 0.00 |
| ROSETON___2 23588 | 37.76 1.15 0.00 | 29.98 0.85 0.00 | 29.31 0.72 0.51 | 29.33 0.77 0.31 | 29.00 0.78 1.08 | 34.70 0.85 0.00 | 40.03 1.06 0.00 | 35.58 1.09 0.00 | 35.10 1.12 0.00 | 44.40 1.30 0.00 | 46.66 1.43 0.00 | 44.24 1.49 0.00 | 51.87 1.63 0.00 | 46.81 1.69 0.00 | 42.20 1.81 0.00 | 44.84 1.92 0.00 | 50.05 1.82 0.00 | 57.84 1.97 0.00 | 52.17 1.79 0.00 | 43.83 1.45 0.00 | 55.10 1.76 0.00 | 51.46 1.74 0.00 | 35.49 1.37 0.00 | 30.51 1.29 0.00 |
| ROTRDAM_115KV_TB3 80664 | 37.19 0.58 0.00 | 29.59 0.46 0.00 | 29.20 0.46 0.34 | 29.12 0.46 0.21 | 29.04 0.47 0.73 | 34.36 0.51 0.00 | 39.59 0.63 0.00 | 35.08 0.60 0.00 | 34.45 0.48 0.00 | 43.65 0.55 0.00 | 45.83 0.60 0.00 | 43.29 0.55 0.00 | 50.85 0.62 0.00 | 45.79 0.68 0.00 | 41.09 0.70 0.00 | 43.66 0.73 0.00 | 48.85 0.62 0.00 | 56.66 0.79 0.00 | 51.09 0.70 0.00 | 43.03 0.64 0.00 | 54.20 0.86 0.00 | 50.59 0.87 0.00 | 34.73 0.61 0.00 | 29.82 0.61 0.00 |
| RUSSELL___1 23602 | 35.02 -1.59 0.00 | 27.74 -1.39 0.00 | 25.15 -1.51 2.43 | 25.91 -1.48 1.48 | 22.65 -1.49 5.17 | 32.48 -1.37 0.00 | 37.35 -1.62 0.00 | 32.61 -1.88 0.00 | 32.52 -1.46 0.00 | 41.09 -2.00 0.00 | 43.33 -1.90 0.00 | 40.80 -1.94 0.00 | 47.40 -2.32 0.52 | 43.14 -1.97 0.00 | 38.98 -1.42 0.00 | 41.39 -1.53 0.00 | 46.42 -1.81 0.00 | 48.16 -2.52 5.20 | 46.46 -2.08 1.84 | 38.77 -1.75 1.86 | 51.16 -2.18 0.00 | 47.50 -2.22 0.00 | 32.09 -1.54 0.49 | 27.83 -1.40 0.00 |
| RUSSELL___2 23532 | 35.02 -1.59 0.00 | 27.74 -1.39 0.00 | 25.15 -1.51 2.43 | 25.91 -1.48 1.48 | 22.65 -1.49 5.17 | 32.48 -1.37 0.00 | 37.35 -1.62 0.00 | 32.61 -1.88 0.00 | 32.52 -1.46 0.00 | 41.09 -2.00 0.00 | 43.33 -1.90 0.00 | 40.80 -1.94 0.00 | 47.40 -2.32 0.52 | 43.14 -1.97 0.00 | 38.98 -1.42 0.00 | 41.39 -1.53 0.00 | 46.42 -1.81 0.00 | 48.16 -2.52 5.20 | 46.46 -2.08 1.84 | 38.77 -1.75 1.86 | 51.16 -2.18 0.00 | 47.50 -2.22 0.00 | 32.09 -1.54 0.49 | 27.83 -1.40 0.00 |
| RUSSELL___3 23549 | 35.02 -1.59 0.00 | 27.74 -1.39 0.00 | 25.15 -1.51 2.43 | 25.91 -1.48 1.48 | 22.65 -1.49 5.17 | 32.48 -1.37 0.00 | 37.35 -1.62 0.00 | 32.61 -1.88 0.00 | 32.52 -1.46 0.00 | 41.09 -2.00 0.00 | 43.33 -1.90 0.00 | 40.80 -1.94 0.00 | 47.40 -2.32 0.52 | 43.14 -1.97 0.00 | 38.98 -1.42 0.00 | 41.39 -1.53 0.00 | 46.42 -1.81 0.00 | 48.16 -2.52 5.20 | 46.46 -2.08 1.84 | 38.77 -1.75 1.86 | 51.16 -2.18 0.00 | 47.50 -2.22 0.00 | 32.09 -1.54 0.49 | 27.83 -1.40 0.00 |
| RUSSELL___4 23556 | 35.02 -1.59 0.00 | 27.74 -1.39 0.00 | 25.15 -1.51 2.43 | 25.91 -1.48 1.48 | 22.65 -1.49 5.17 | 32.48 -1.37 0.00 | 37.35 -1.62 0.00 | 32.61 -1.88 0.00 | 32.52 -1.46 0.00 | 41.09 -2.00 0.00 | 43.33 -1.90 0.00 | 40.80 -1.94 0.00 | 47.40 -2.32 0.52 | 43.14 -1.97 0.00 | 38.98 -1.42 0.00 | 41.39 -1.53 0.00 | 46.42 -1.81 0.00 | 48.16 -2.52 5.20 | 46.46 -2.08 1.84 | 38.77 -1.75 1.86 | 51.16 -2.18 0.00 | 47.50 -2.22 0.00 | 32.09 -1.54 0.49 | 27.83 -1.40 0.00 |
| RUSSELL___STATION 23914 | 35.02 -1.59 0.00 | 27.74 -1.39 0.00 | 25.15 -1.51 2.43 | 25.91 -1.48 1.48 | 22.65 -1.49 5.17 | 32.48 -1.37 0.00 | 37.35 -1.62 0.00 | 32.61 -1.88 0.00 | 32.52 -1.46 0.00 | 41.09 -2.00 0.00 | 43.33 -1.90 0.00 | 40.80 -1.94 0.00 | 47.40 -2.32 0.52 | 43.14 -1.97 0.00 | 38.98 -1.42 0.00 | 41.39 -1.53 0.00 | 46.42 -1.81 0.00 | 48.16 -2.52 5.20 | 46.46 -2.08 1.84 | 38.77 -1.75 1.86 | 51.16 -2.18 0.00 | 47.50 -2.22 0.00 | 32.09 -1.54 0.49 | 27.83 -1.40 0.00 |
| S SALMON___HYD 24043 | 35.39 -1.22 0.00 | 28.08 -1.05 0.00 | 22.94 -1.15 5.00 | 24.70 -1.12 3.06 | 17.53 -1.11 10.66 | 32.75 -1.10 0.00 | 37.78 -1.18 0.00 | 33.37 -1.11 0.00 | 32.87 -1.11 0.00 | 41.44 -1.66 0.00 | 43.36 -1.87 0.00 | 40.78 -1.96 0.00 | 48.00 -2.23 0.00 | 43.17 -1.95 0.00 | 38.83 -1.57 0.00 | 41.40 -1.52 0.00 | 46.23 -2.00 0.00 | 53.50 -2.37 0.00 | 48.38 -2.01 0.00 | 40.85 -1.53 0.00 | 51.31 -2.03 0.00 | 47.65 -2.07 0.00 | 32.63 -1.49 0.00 | 27.76 -1.46 0.00 |
| S.PERRY__115KV_TB1 80734 | 35.58 -1.04 0.00 | 28.07 -1.06 0.00 | 25.26 -1.18 2.65 | 26.11 -1.15 1.62 | 22.50 -1.16 5.64 | 32.94 -0.91 0.00 | 37.96 -1.01 0.00 | 33.10 -1.39 0.00 | 32.91 -1.08 -0.01 | 58.45 -1.60 -16.96 | 75.79 -1.58 -32.14 | 41.40 -1.82 -0.48 | 55.42 -2.25 -7.44 | 81.07 -2.17 -38.13 | 90.49 -1.63 -51.73 | 95.33 -1.64 -54.05 | 104.25 -1.59 -57.60 | 94.39 -2.25 -40.77 | 99.92 -1.66 -51.19 | 59.57 -1.34 -18.53 | 110.77 -1.45 -58.88 | 90.09 -1.67 -42.04 | 39.19 -1.29 -6.35 | 38.04 -1.22 -10.05 |
| SAWYER_23_KV_LOAD_REV_LBMP_A 345024 | 33.98 -2.63 0.00 | 26.87 -2.27 0.00 | 24.23 -2.41 2.45 | 25.01 -2.37 1.50 | 21.72 -2.37 5.22 | 31.52 -2.33 0.00 | 36.08 -2.89 0.00 | 31.14 -3.34 0.00 | 31.24 -2.73 0.00 | 34.64 -3.56 4.89 | 32.50 -3.47 9.26 | 38.95 -3.65 0.14 | 42.47 -4.37 3.39 | 30.43 -3.71 10.99 | 22.70 -2.79 14.90 | 24.36 -2.99 15.57 | 28.19 -3.44 16.60 | 26.86 -4.71 24.30 | 27.18 -4.00 19.20 | 29.23 -3.31 9.84 | 32.28 -4.10 16.96 | 33.58 -4.03 12.11 | 28.36 -2.74 3.03 | 23.99 -2.33 2.90 |

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|--------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| SAWYER___23_KV_LOAD 55526 | 33.98 -2.63 0.00 | 26.87 -2.27 0.00 | 24.23 -2.41 2.45 | 25.01 -2.37 1.50 | 21.72 -2.37 5.22 | 31.52 -2.33 0.00 | 36.08 -2.89 0.00 | 31.14 -3.34 0.00 | 31.24 -2.73 0.00 | 34.64 -3.56 4.89 | 32.50 -3.47 9.26 | 38.95 -3.65 0.14 | 42.47 -4.37 3.39 | 30.43 -3.71 10.99 | 22.70 -2.79 14.90 | 24.36 -2.99 15.57 | 28.19 -3.44 16.60 | 26.86 -4.71 24.30 | 27.18 -4.00 19.20 | 29.23 -3.31 9.84 | 32.28 -4.10 16.96 | 33.58 -4.03 12.11 | 28.36 -2.74 3.03 | 23.99 -2.33 2.90 |
| SELKIRK___I 23801 | 36.98 0.36 0.00 | 29.49 0.36 0.00 | 29.10 0.38 0.37 | 29.03 0.38 0.22 | 28.92 0.40 0.78 | 34.26 0.40 0.00 | 39.42 0.45 0.00 | 34.93 0.45 0.00 | 34.24 0.26 0.00 | 43.31 0.22 0.00 | 45.49 0.26 0.00 | 43.00 0.26 0.00 | 50.50 0.27 0.00 | 45.51 0.39 0.00 | 40.86 0.47 0.00 | 43.38 0.46 0.00 | 48.41 0.18 0.00 | 56.17 0.30 0.00 | 50.67 0.29 0.00 | 42.68 0.30 0.00 | 53.72 0.38 0.00 | 50.18 0.47 0.00 | 34.50 0.38 0.00 | 29.67 0.45 0.00 |
| SELKIRK___II 23799 | 36.82 0.21 0.00 | 29.35 0.22 0.00 | 28.96 0.23 0.36 | 28.88 0.23 0.22 | 28.78 0.24 0.76 | 34.06 0.21 0.00 | 39.21 0.24 0.00 | 34.79 0.30 0.00 | 34.13 0.15 0.00 | 43.19 0.10 0.00 | 45.37 0.14 0.00 | 42.89 0.15 0.00 | 50.38 0.15 0.00 | 45.39 0.27 0.00 | 40.77 0.38 0.00 | 43.28 0.36 0.00 | 48.27 0.04 0.00 | 56.00 0.14 0.00 | 50.51 0.13 0.00 | 42.54 0.15 0.00 | 53.50 0.16 0.00 | 49.97 0.25 0.00 | 34.37 0.25 0.00 | 29.59 0.37 0.00 |
| SENECA OSWGO___HYD 24041 | 35.06 -1.55 0.00 | 27.82 -1.31 0.00 | 21.81 -1.38 5.89 | 23.90 -1.38 3.60 | 15.38 -1.37 12.55 | 32.42 -1.43 0.00 | 37.37 -1.60 0.00 | 33.00 -1.49 0.00 | 32.63 -1.34 0.00 | 41.23 -1.86 0.00 | 43.32 -1.91 0.00 | 40.83 -1.91 0.00 | 47.94 -2.29 0.00 | 43.16 -1.95 0.00 | 38.87 -1.53 0.00 | 41.24 -1.68 0.00 | 46.24 -1.99 0.00 | 53.44 -2.43 0.00 | 48.29 -2.10 0.00 | 40.64 -1.74 0.00 | 51.17 -2.17 0.00 | 47.64 -2.08 0.00 | 32.63 -1.49 0.00 | 27.93 -1.29 0.00 |
| SENECA___115KV_TB3 355854 | 34.38 -2.23 0.00 | 27.16 -1.97 0.00 | 24.46 -2.14 2.48 | 25.27 -2.09 1.52 | 21.92 -2.09 5.29 | 31.86 -1.99 0.00 | 36.49 -2.48 0.00 | 31.55 -2.93 0.00 | 31.66 -2.32 0.00 | 34.97 -3.04 5.08 | 32.68 -2.93 9.62 | 39.43 -3.17 0.14 | 42.86 -3.82 3.55 | 30.46 -3.24 11.42 | 22.51 -2.39 15.49 | 24.19 -2.55 16.19 | 28.02 -2.96 17.25 | 26.16 -4.14 25.57 | 26.85 -3.46 20.07 | 29.17 -2.87 10.34 | 32.25 -3.46 17.63 | 33.68 -3.45 12.59 | 28.55 -2.40 3.17 | 24.18 -2.03 3.01 |
| SENECA___ENERGY 23797 | 35.17 -1.44 0.00 | 27.86 -1.27 0.00 | 23.41 -1.36 4.32 | 24.89 -1.34 2.64 | 18.75 -1.34 9.21 | 32.52 -1.32 0.00 | 37.50 -1.47 0.00 | 33.00 -1.48 0.00 | 32.71 -1.26 0.00 | 42.61 -1.65 -1.17 | 45.79 -1.67 -2.22 | 41.04 -1.74 -0.03 | 48.55 -2.11 -0.42 | 45.94 -1.82 -2.64 | 42.56 -1.42 -3.58 | 45.12 -1.55 -3.74 | 50.36 -1.86 -3.99 | 55.45 -2.35 -1.93 | 51.56 -2.07 -3.25 | 41.61 -1.76 -0.99 | 55.24 -2.18 -4.08 | 50.57 -2.06 -2.91 | 33.01 -1.48 -0.36 | 28.65 -1.27 -0.70 |
| SHOEMAKER___GT 23640 | 37.61 1.00 0.00 | 29.86 0.73 0.00 | 29.15 0.61 0.55 | 29.19 0.65 0.33 | 28.80 0.66 1.16 | 34.59 0.74 0.00 | 39.88 0.91 0.00 | 35.40 0.92 0.00 | 34.92 0.95 0.00 | 44.19 1.10 0.00 | 46.46 1.23 0.00 | 44.01 1.26 0.00 | 51.62 1.39 0.00 | 46.56 1.44 0.00 | 41.94 1.55 0.00 | 44.58 1.66 0.00 | 49.82 1.59 0.00 | 57.58 1.71 0.00 | 51.95 1.56 0.00 | 43.66 1.27 0.00 | 54.91 1.57 0.00 | 51.22 1.50 0.00 | 35.30 1.18 0.00 | 30.33 1.11 0.00 |
| SHOEMAKR_138KV_BK 111 55601 | 37.62 1.01 0.00 | 29.87 0.74 0.00 | 29.14 0.61 0.55 | 29.19 0.65 0.33 | 28.79 0.66 1.17 | 34.59 0.73 0.00 | 39.88 0.91 0.00 | 35.40 0.92 0.00 | 34.93 0.95 0.00 | 44.20 1.11 0.00 | 46.46 1.23 0.00 | 44.01 1.26 0.00 | 51.63 1.40 0.00 | 46.56 1.44 0.00 | 41.96 1.56 0.00 | 44.59 1.67 0.00 | 49.82 1.59 0.00 | 57.58 1.71 0.00 | 51.96 1.57 0.00 | 43.65 1.27 0.00 | 54.91 1.57 0.00 | 51.23 1.51 0.00 | 35.30 1.18 0.00 | 30.33 1.11 0.00 |
| SHOREHAM_IC_1 23715 | 35.87 2.35 3.09 | 27.00 1.65 3.78 | 26.90 1.63 3.81 | 26.88 1.72 3.72 | 26.87 1.82 4.26 | 32.04 2.15 3.96 | 38.11 2.64 3.49 | 35.49 2.38 1.37 | 39.42 2.33 -3.11 | 47.62 3.10 -1.43 | 47.61 3.34 0.95 | 46.09 3.31 -0.04 | 48.90 3.54 4.87 | 50.62 3.43 -2.08 | 48.84 3.66 -4.78 | 49.63 3.78 -2.93 | 51.81 3.58 0.00 | 59.79 3.92 0.00 | 54.16 3.78 0.00 | 45.33 2.94 0.00 | 56.68 3.34 0.00 | 51.82 3.47 1.37 | 32.41 2.61 4.31 | 30.37 2.29 1.14 |
| SHOREHAM_IC_2 23716 | 35.86 2.34 3.09 | 27.00 1.65 3.78 | 26.91 1.63 3.81 | 26.89 1.73 3.72 | 26.87 1.82 4.26 | 32.04 2.15 3.96 | 38.12 2.64 3.49 | 35.48 2.37 1.37 | 39.42 2.34 -3.11 | 47.62 3.10 -1.43 | 47.56 3.28 0.95 | 46.08 3.29 -0.04 | 48.92 3.56 4.87 | 50.62 3.43 -2.08 | 48.85 3.68 -4.78 | 49.64 3.78 -2.93 | 51.81 3.58 0.00 | 59.79 3.93 0.00 | 54.16 3.78 0.00 | 45.33 2.94 0.00 | 56.69 3.34 0.00 | 51.83 3.48 1.37 | 32.42 2.62 4.31 | 30.37 2.29 1.14 |
| SISSONVILLE____ 23735 | 36.54 -0.07 0.00 | 29.10 -0.03 0.00 | 28.20 0.04 0.93 | 28.36 0.05 0.57 | 27.35 0.02 1.97 | 33.98 0.13 0.00 | 39.06 0.09 0.00 | 34.39 -0.09 0.00 | 33.78 -0.19 0.00 | 43.19 0.10 0.00 | 44.86 -0.37 0.00 | 42.39 -0.36 0.00 | 50.24 0.01 0.00 | 44.86 -0.26 0.00 | 39.63 -0.76 0.00 | 42.16 -0.76 0.00 | 47.54 -0.69 0.00 | 55.26 -0.61 0.00 | 49.93 -0.46 0.00 | 42.08 -0.31 0.00 | 53.00 -0.34 0.00 | 49.32 -0.40 0.00 | 33.89 -0.23 0.00 | 28.71 -0.51 0.00 |
| SITHE_IND_GS1 24169 | 34.88 -1.73 0.00 | 27.70 -1.44 0.00 | 19.64 -1.49 7.96 | 22.54 -1.47 4.87 | 10.84 -1.49 16.97 | 32.25 -1.60 0.00 | 37.15 -1.82 0.00 | 32.78 -1.70 0.00 | 32.41 -1.57 0.00 | 41.00 -2.09 0.00 | 43.06 -2.17 0.00 | 40.63 -2.12 0.00 | 47.74 -2.49 0.00 | 42.96 -2.16 0.00 | 38.60 -1.79 0.00 | 41.00 -1.92 0.00 | 45.96 -2.27 0.00 | 53.14 -2.73 0.00 | 47.98 -2.41 0.00 | 40.36 -2.02 0.00 | 50.82 -2.52 0.00 | 47.31 -2.41 0.00 | 32.45 -1.67 0.00 | 27.78 -1.44 0.00 |
| SITHE_IND_GS2 24170 | 34.88 -1.73 0.00 | 27.70 -1.44 0.00 | 19.64 -1.49 7.96 | 22.54 -1.47 4.87 | 10.84 -1.49 16.97 | 32.25 -1.60 0.00 | 37.15 -1.82 0.00 | 32.78 -1.70 0.00 | 32.41 -1.57 0.00 | 41.00 -2.09 0.00 | 43.06 -2.17 0.00 | 40.63 -2.12 0.00 | 47.74 -2.49 0.00 | 42.96 -2.16 0.00 | 38.60 -1.79 0.00 | 41.00 -1.92 0.00 | 45.96 -2.27 0.00 | 53.14 -2.73 0.00 | 47.98 -2.41 0.00 | 40.36 -2.02 0.00 | 50.82 -2.52 0.00 | 47.31 -2.41 0.00 | 32.45 -1.67 0.00 | 27.78 -1.44 0.00 |
| SITHE_IND_GS3 24171 | 34.88 -1.73 0.00 | 27.70 -1.44 0.00 | 19.64 -1.49 7.96 | 22.54 -1.47 4.87 | 10.84 -1.49 16.97 | 32.25 -1.60 0.00 | 37.15 -1.82 0.00 | 32.78 -1.70 0.00 | 32.41 -1.57 0.00 | 41.00 -2.09 0.00 | 43.06 -2.17 0.00 | 40.63 -2.12 0.00 | 47.74 -2.49 0.00 | 42.96 -2.16 0.00 | 38.60 -1.79 0.00 | 41.00 -1.92 0.00 | 45.96 -2.27 0.00 | 53.14 -2.73 0.00 | 47.98 -2.41 0.00 | 40.36 -2.02 0.00 | 50.82 -2.52 0.00 | 47.31 -2.41 0.00 | 32.45 -1.67 0.00 | 27.78 -1.44 0.00 |
| SITHE_IND_GS4 24172 | 34.88 -1.73 0.00 | 27.70 -1.44 0.00 | 19.64 -1.49 7.96 | 22.54 -1.47 4.87 | 10.84 -1.49 16.97 | 32.25 -1.60 0.00 | 37.15 -1.82 0.00 | 32.78 -1.70 0.00 | 32.41 -1.57 0.00 | 41.00 -2.09 0.00 | 43.06 -2.17 0.00 | 40.63 -2.12 0.00 | 47.74 -2.49 0.00 | 42.96 -2.16 0.00 | 38.60 -1.79 0.00 | 41.00 -1.92 0.00 | 45.96 -2.27 0.00 | 53.14 -2.73 0.00 | 47.98 -2.41 0.00 | 40.36 -2.02 0.00 | 50.82 -2.52 0.00 | 47.31 -2.41 0.00 | 32.45 -1.67 0.00 | 27.78 -1.44 0.00 |

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|------------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| SITHE___BATAVIA 24024 | 34.96 -1.65 0.00 | 27.65 -1.49 0.00 | 25.02 -1.61 2.45 | 25.81 -1.57 1.50 | 22.57 -1.50 5.23 | 32.56 -1.29 0.00 | 37.38 -1.59 0.00 | 32.36 -2.12 0.00 | 32.43 -1.54 0.00 | 38.66 -2.01 2.42 | 38.90 -1.74 4.59 | 40.62 -2.06 0.07 | 45.91 -2.40 1.92 | 37.75 -1.92 5.44 | 31.78 -1.23 7.38 | 33.92 -1.29 7.71 | 38.48 -1.53 8.22 | 39.02 -2.35 14.50 | 38.16 -1.84 10.39 | 35.08 -1.54 5.76 | 43.02 -1.92 8.40 | 41.60 -2.12 6.00 | 30.87 -1.52 1.73 | 26.46 -1.33 1.44 |
| SITHE___INDEPEND 23800 | 34.88 -1.73 0.00 | 27.69 -1.44 0.00 | 19.64 -1.49 7.96 | 22.53 -1.47 4.87 | 10.84 -1.49 16.97 | 32.25 -1.60 0.00 | 37.15 -1.82 0.00 | 32.78 -1.70 0.00 | 32.41 -1.57 0.00 | 41.00 -2.09 0.00 | 43.06 -2.17 0.00 | 40.62 -2.12 0.00 | 47.73 -2.50 0.00 | 42.95 -2.17 0.00 | 38.60 -1.79 0.00 | 40.99 -1.93 0.00 | 45.96 -2.27 0.00 | 53.14 -2.73 0.00 | 47.97 -2.42 0.00 | 40.36 -2.03 0.00 | 50.82 -2.52 0.00 | 47.30 -2.42 0.00 | 32.45 -1.67 0.00 | 27.78 -1.44 0.00 |
| SITHE___MASSENA 23902 | 36.87 0.26 0.00 | 29.37 0.24 0.00 | 28.94 0.33 0.47 | 28.90 0.31 0.29 | 28.57 0.29 1.01 | 34.27 0.42 0.00 | 39.45 0.48 0.00 | 34.73 0.25 0.00 | 34.21 0.23 0.00 | 43.68 0.59 0.00 | 45.52 0.29 0.00 | 43.07 0.33 0.00 | 50.99 0.76 0.00 | 45.54 0.42 0.00 | 40.33 -0.06 0.00 | 42.91 -0.01 0.00 | 48.53 0.29 0.00 | 56.32 0.45 0.00 | 50.81 0.43 0.00 | 42.77 0.39 0.00 | 53.90 0.56 0.00 | 50.10 0.38 0.00 | 34.31 0.19 0.00 | 29.18 -0.04 0.00 |
| SITHE___OGDNSBRG 24021 | 37.29 0.68 0.00 | 29.71 0.58 0.00 | 28.98 0.65 0.75 | 29.08 0.66 0.46 | 28.34 0.64 1.60 | 34.73 0.88 0.00 | 40.01 1.04 0.00 | 35.07 0.59 0.00 | 34.46 0.48 0.00 | 44.09 1.00 0.00 | 45.85 0.62 0.00 | 43.20 0.45 0.00 | 51.16 0.93 0.00 | 45.66 0.54 0.00 | 40.41 0.02 0.00 | 43.09 0.17 0.00 | 48.79 0.56 0.00 | 56.81 0.94 0.00 | 51.32 0.94 0.00 | 43.27 0.89 0.00 | 54.64 1.30 0.00 | 50.78 1.06 0.00 | 34.77 0.65 0.00 | 29.47 0.25 0.00 |
| SITHE___STERLING 23777 | 37.06 0.45 0.00 | 29.39 0.26 0.00 | 26.57 0.16 2.67 | 27.42 0.18 1.64 | 23.80 0.20 5.70 | 34.22 0.37 0.00 | 39.46 0.49 0.00 | 34.91 0.42 0.00 | 34.50 0.52 0.00 | 43.60 0.51 0.00 | 45.71 0.48 0.00 | 43.13 0.39 0.00 | 50.84 0.44 -0.17 | 45.65 0.53 0.00 | 41.01 0.62 0.00 | 43.57 0.65 0.00 | 48.74 0.50 0.00 | 58.20 0.58 -1.75 | 51.64 0.61 -0.64 | 43.57 0.54 -0.65 | 54.02 0.67 0.00 | 50.24 0.53 0.00 | 34.56 0.26 -0.17 | 29.39 0.17 0.00 |
| SLEIGHT__34_KV_TB1 80719 | 34.89 -1.72 0.00 | 27.66 -1.48 0.00 | 24.47 -1.58 3.03 | 25.47 -1.55 1.85 | 21.29 -1.54 6.46 | 32.37 -1.48 0.00 | 37.29 -1.67 0.00 | 32.73 -1.76 0.00 | 32.50 -1.48 0.00 | 41.09 -2.01 0.00 | 43.20 -2.03 0.00 | 40.69 -2.06 0.00 | 47.57 -2.38 0.28 | 43.06 -2.06 0.00 | 38.82 -1.57 0.00 | 41.20 -1.73 0.00 | 46.15 -2.08 0.00 | 50.48 -2.60 2.79 | 47.19 -1.87 0.97 | 39.52 -1.87 0.98 | 51.00 -2.34 0.00 | 47.43 -2.29 0.00 | 32.24 -1.62 0.26 | 27.77 -1.45 0.00 |
| SMITHTWN_69_KV_BK 1 55830 | 36.00 2.35 2.96 | 27.16 1.64 3.62 | 27.00 1.58 3.67 | 26.98 1.67 3.57 | 26.95 1.76 4.12 | 32.18 2.08 3.76 | 38.18 2.52 3.31 | 35.61 2.29 1.16 | 39.60 2.28 -3.35 | 47.74 2.97 -1.68 | 47.73 3.11 0.61 | 46.14 3.17 -0.23 | 50.83 3.48 2.88 | 50.71 3.32 -2.27 | 49.50 3.49 -5.62 | 49.65 3.61 -3.13 | 51.68 3.45 0.00 | 59.62 3.75 0.00 | 54.00 3.62 0.00 | 45.24 2.86 0.00 | 56.55 3.21 0.00 | 51.80 3.38 1.30 | 33.20 2.60 3.53 | 30.53 2.32 1.00 |
| SOUTH CAIRO___GT 23612 | 37.75 1.14 0.00 | 30.08 0.94 0.00 | 29.64 0.95 0.39 | 29.57 0.94 0.24 | 29.46 0.99 0.84 | 35.00 1.15 0.00 | 40.42 1.46 0.00 | 35.95 1.47 0.00 | 35.20 1.22 0.00 | 44.48 1.38 0.00 | 46.75 1.52 0.00 | 44.09 1.35 0.00 | 51.84 1.61 0.00 | 46.72 1.60 0.00 | 41.96 1.57 0.00 | 44.54 1.62 0.00 | 49.80 1.57 0.00 | 57.88 2.01 0.00 | 52.33 1.94 0.00 | 44.11 1.73 0.00 | 55.53 2.19 0.00 | 51.72 2.00 0.00 | 35.48 1.36 0.00 | 30.42 1.20 0.00 |
| SOUTH HAMPTN___IC 23720 | 35.94 2.46 3.13 | 27.11 1.80 3.82 | 27.08 1.84 3.85 | 27.12 2.00 3.76 | 27.13 2.12 4.29 | 32.31 2.47 4.01 | 38.47 3.05 3.54 | 35.70 2.65 1.43 | 39.51 2.50 -3.04 | 47.89 3.44 -1.36 | 47.98 3.80 1.05 | 46.46 3.72 0.01 | 48.78 3.96 5.41 | 51.05 3.91 -2.02 | 49.19 4.24 -4.55 | 50.04 4.24 -2.88 | 52.09 3.86 0.00 | 60.29 4.42 0.00 | 54.58 4.20 0.00 | 45.55 3.17 0.00 | 56.85 3.50 0.00 | 51.92 3.59 1.39 | 32.17 2.58 4.53 | 30.28 2.24 1.18 |
| SOUTHDOW_115KV_TB1 355954 | 35.29 -1.32 0.00 | 27.78 -1.35 0.00 | 25.00 -1.55 2.54 | 25.81 -1.52 1.55 | 22.39 -1.50 5.41 | 32.63 -1.22 0.00 | 37.57 -1.39 0.00 | 32.55 -1.93 0.00 | 32.73 -1.25 0.00 | 38.50 -1.75 2.84 | 38.26 -1.58 5.38 | 40.69 -1.97 0.08 | 45.00 -2.69 2.55 | 36.38 -2.35 6.39 | 30.12 -1.61 8.67 | 32.20 -1.67 9.05 | 36.49 -2.09 9.65 | 32.97 -2.97 19.93 | 34.68 -2.48 13.22 | 32.50 -2.08 7.80 | 41.58 -1.90 9.86 | 40.42 -2.25 7.04 | 30.09 -1.72 2.31 | 26.16 -1.38 1.68 |
| SOUTHOLD_69_KV_BK 2 55809 | 35.84 2.36 3.13 | 27.04 1.73 3.82 | 27.17 1.93 3.85 | 27.31 2.19 3.75 | 27.34 2.33 4.29 | 32.50 2.66 4.01 | 38.74 3.31 3.54 | 35.83 2.78 1.43 | 39.52 2.50 -3.05 | 48.04 3.59 -1.36 | 48.25 4.07 1.05 | 46.67 3.94 0.01 | 49.00 4.16 5.39 | 51.34 4.20 -2.03 | 49.61 4.66 -4.56 | 50.34 4.53 -2.88 | 52.12 3.89 0.00 | 60.54 4.67 0.00 | 54.90 4.52 0.00 | 45.55 3.17 0.00 | 56.70 3.36 0.00 | 51.78 3.45 1.38 | 31.98 2.38 4.52 | 30.07 2.03 1.18 |
| SOUTH_FORK_WT_PWR 323839 | 35.52 2.03 3.13 | 26.83 1.53 3.82 | 27.07 1.84 3.85 | 27.27 2.15 3.76 | 27.31 2.30 4.29 | 32.41 2.57 4.01 | 38.67 3.24 3.54 | 35.65 2.60 1.43 | 39.22 2.20 -3.05 | 47.76 3.31 -1.36 | 48.04 3.86 1.05 | 46.47 3.73 0.01 | 48.69 3.85 5.40 | 51.18 4.03 -2.03 | 49.58 4.63 -4.56 | 50.17 4.37 -2.88 | 51.66 3.43 0.00 | 60.19 4.32 0.00 | 54.60 4.21 0.00 | 45.11 2.73 0.00 | 56.04 2.70 0.00 | 51.20 2.87 1.39 | 31.48 1.88 4.52 | 29.64 1.60 1.18 |
| SPIERFLS_115KV_TB 1 80737 | 37.93 1.32 0.00 | 30.26 1.13 0.00 | 29.88 1.14 0.34 | 29.74 1.07 0.21 | 29.68 1.12 0.73 | 35.13 1.28 0.00 | 40.70 1.73 0.00 | 36.20 1.72 0.00 | 35.46 1.49 0.00 | 44.92 1.83 0.00 | 47.25 2.02 0.00 | 44.60 1.86 0.00 | 52.26 2.03 0.00 | 47.05 1.94 0.00 | 42.14 1.75 0.00 | 44.84 1.92 0.00 | 50.15 1.92 0.00 | 58.41 2.54 0.00 | 52.81 2.42 0.00 | 44.55 2.17 0.00 | 56.31 2.97 0.00 | 52.41 2.70 0.00 | 35.81 1.68 0.00 | 30.73 1.51 0.00 |
| ST LAWRENCE____ 23600 | 36.55 -0.06 0.00 | 29.11 -0.02 0.00 | 28.81 0.07 0.35 | 28.72 0.06 0.22 | 28.58 0.04 0.76 | 33.94 0.09 0.00 | 39.07 0.10 0.00 | 34.44 -0.04 0.00 | 33.93 -0.04 0.00 | 43.16 0.07 0.00 | 45.17 -0.06 0.00 | 42.74 0.00 0.00 | 50.39 0.16 0.00 | 45.05 -0.07 0.00 | 40.07 -0.33 0.00 | 42.63 -0.30 0.00 | 48.19 -0.04 0.00 | 55.90 0.04 0.00 | 50.43 0.04 0.00 | 42.44 0.06 0.00 | 53.46 0.12 0.00 | 49.71 -0.01 0.00 | 34.01 -0.11 0.00 | 28.96 -0.26 0.00 |

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| STATE_CA_115KV_115_LB 55624 | 36.84 0.23 0.00 | 29.39 0.26 0.00 | 29.02 0.28 0.35 | 28.93 0.27 0.21 | 28.85 0.30 0.75 | 34.13 0.27 0.00 | 39.31 0.34 0.00 | 34.89 0.40 0.00 | 34.19 0.22 0.00 | 43.25 0.16 0.00 | 45.47 0.24 0.00 | 42.97 0.23 0.00 | 50.48 0.25 0.00 | 45.49 0.37 0.00 | 40.85 0.45 0.00 | 43.39 0.46 0.00 | 48.29 0.06 0.00 | 56.12 0.25 0.00 | 50.62 0.23 0.00 | 42.62 0.23 0.00 | 53.59 0.25 0.00 | 50.03 0.32 0.00 | 34.39 0.27 0.00 | 29.64 0.42 0.00 |
| STATE_ST_34_KV_LOAD 55959 | 35.72 -0.89 0.00 | 28.34 -0.79 0.00 | 23.60 -0.87 4.61 | 25.20 -0.85 2.82 | 18.62 -0.84 9.84 | 33.07 -0.78 0.00 | 38.13 -0.84 0.00 | 33.60 -0.88 0.00 | 33.18 -0.80 0.00 | 42.06 -1.04 0.00 | 44.01 -1.22 0.00 | 41.44 -1.30 0.00 | 49.20 -1.36 -0.33 | 43.98 -1.13 0.00 | 39.56 -0.83 0.00 | 41.98 -0.94 0.00 | 46.93 -1.30 0.00 | 57.76 -1.47 -3.35 | 50.32 -1.32 -1.25 | 42.51 -1.14 -1.27 | 51.97 -1.37 0.00 | 48.49 -1.23 0.00 | 33.55 -0.91 -0.34 | 28.43 -0.79 0.00 |
| STATION_5_MISC_HYD 23604 | 34.87 -1.74 0.00 | 27.62 -1.52 0.00 | 25.04 -1.62 2.43 | 25.81 -1.59 1.48 | 22.54 -1.59 5.17 | 32.34 -1.51 0.00 | 37.17 -1.79 0.00 | 32.44 -2.04 0.00 | 32.37 -1.61 0.00 | 40.90 -2.19 0.00 | 43.13 -2.10 0.00 | 40.58 -2.17 0.00 | 47.15 -2.57 0.52 | 42.93 -2.19 0.00 | 38.79 -1.61 0.00 | 41.21 -1.72 0.00 | 46.19 -2.04 0.00 | 47.89 -2.78 5.20 | 46.22 -2.33 1.84 | 38.56 -1.96 1.86 | 50.90 -2.45 0.00 | 47.24 -2.47 0.00 | 31.93 -1.70 0.49 | 27.71 -1.51 0.00 |
| STA_168_34_KV_BK1_2_REV_LBMP_B 345032 | 35.04 -1.57 0.00 | 27.76 -1.37 0.00 | 24.63 -1.48 2.98 | 25.61 -1.45 1.82 | 21.51 -1.45 6.34 | 32.47 -1.38 0.00 | 37.39 -1.57 0.00 | 32.78 -1.70 0.00 | 32.61 -1.37 0.00 | 41.18 -1.91 0.00 | 43.37 -1.86 0.00 | 40.83 -1.92 0.00 | 47.36 -2.30 0.57 | 43.14 -1.98 0.00 | 38.91 -1.49 0.00 | 41.30 -1.62 0.00 | 46.33 -1.90 0.00 | 47.61 -2.49 5.77 | 46.19 -2.14 2.06 | 38.51 -1.79 2.08 | 51.12 -2.22 0.00 | 47.53 -2.19 0.00 | 32.02 -1.55 0.55 | 27.85 -1.37 0.00 |
| STA_56_34_KV_BUS2_REV_LBMP_B 345033 | 34.71 -1.90 0.00 | 27.51 -1.63 0.00 | 24.88 -1.74 2.47 | 25.65 -1.71 1.51 | 22.32 -1.72 5.27 | 32.19 -1.66 0.00 | 37.02 -1.94 0.00 | 32.35 -2.14 0.00 | 32.24 -1.73 0.00 | 40.73 -2.36 0.00 | 42.94 -2.29 0.00 | 40.44 -2.30 0.00 | 46.99 -2.74 0.51 | 42.75 -2.37 0.00 | 38.61 -1.78 0.00 | 41.00 -1.92 0.00 | 45.98 -2.25 0.00 | 47.79 -2.99 5.09 | 46.04 -2.54 1.80 | 38.43 -2.12 1.83 | 50.67 -2.67 0.00 | 47.07 -2.65 0.00 | 31.80 -1.84 0.48 | 27.58 -1.64 0.00 |
| STA_56___34_KV_BUS2 355983 | 34.71 -1.90 0.00 | 27.51 -1.63 0.00 | 24.88 -1.74 2.47 | 25.65 -1.71 1.51 | 22.32 -1.72 5.27 | 32.19 -1.66 0.00 | 37.02 -1.94 0.00 | 32.35 -2.14 0.00 | 32.24 -1.73 0.00 | 40.73 -2.36 0.00 | 42.94 -2.29 0.00 | 40.44 -2.30 0.00 | 46.99 -2.74 0.51 | 42.75 -2.37 0.00 | 38.61 -1.78 0.00 | 41.00 -1.92 0.00 | 45.98 -2.25 0.00 | 47.79 -2.99 5.09 | 46.04 -2.54 1.80 | 38.43 -2.12 1.83 | 50.67 -2.67 0.00 | 47.07 -2.65 0.00 | 31.80 -1.84 0.48 | 27.58 -1.64 0.00 |
| STA_67___115KV_BK2 355882 | 34.80 -1.81 0.00 | 27.57 -1.57 0.00 | 24.99 -1.67 2.42 | 25.75 -1.64 1.48 | 22.49 -1.65 5.16 | 32.27 -1.58 0.00 | 37.10 -1.87 0.00 | 32.38 -2.10 0.00 | 32.28 -1.70 0.00 | 40.78 -2.31 0.00 | 43.01 -2.22 0.00 | 40.47 -2.27 0.00 | 47.02 -2.69 0.51 | 42.79 -2.32 0.00 | 38.67 -1.72 0.00 | 41.06 -1.87 0.00 | 46.04 -2.19 0.00 | 47.73 -2.95 5.19 | 46.07 -2.48 1.84 | 38.45 -2.08 1.86 | 50.73 -2.61 0.00 | 47.13 -2.59 0.00 | 31.85 -1.78 0.49 | 27.64 -1.59 0.00 |
| STA_7___115KV_9TRANS 80674 | 35.02 -1.59 0.00 | 27.74 -1.39 0.00 | 25.15 -1.51 2.43 | 25.91 -1.48 1.48 | 22.65 -1.49 5.17 | 32.48 -1.37 0.00 | 37.35 -1.62 0.00 | 32.61 -1.88 0.00 | 32.52 -1.46 0.00 | 41.09 -2.00 0.00 | 43.33 -1.90 0.00 | 40.80 -1.94 0.00 | 47.40 -2.32 0.52 | 43.14 -1.97 0.00 | 38.98 -1.42 0.00 | 41.39 -1.53 0.00 | 46.42 -1.81 0.00 | 48.16 -2.52 5.20 | 46.46 -2.08 1.84 | 38.77 -1.75 1.86 | 51.16 -2.18 0.00 | 47.50 -2.22 0.00 | 32.09 -1.54 0.49 | 27.83 -1.40 0.00 |
| STA_82___115KV_TB1 80780 | 34.80 -1.81 0.00 | 27.58 -1.55 0.00 | 24.96 -1.67 2.45 | 25.73 -1.64 1.50 | 22.43 -1.64 5.23 | 32.28 -1.57 0.00 | 37.10 -1.87 0.00 | 32.38 -2.10 0.00 | 32.29 -1.69 0.00 | 40.80 -2.30 0.00 | 43.02 -2.22 0.00 | 40.49 -2.26 0.00 | 47.02 -2.69 0.52 | 42.81 -2.31 0.00 | 38.68 -1.72 0.00 | 41.07 -1.85 0.00 | 46.07 -2.16 0.00 | 47.71 -2.92 5.24 | 46.06 -2.46 1.86 | 38.44 -2.06 1.88 | 50.76 -2.58 0.00 | 47.14 -2.58 0.00 | 31.86 -1.77 0.50 | 27.64 -1.58 0.00 |
| STEEL___WIND 323596 | 34.32 -2.28 0.00 | 27.13 -2.00 0.00 | 24.43 -2.18 2.48 | 25.23 -2.12 1.52 | 21.89 -2.13 5.29 | 31.81 -2.04 0.00 | 36.43 -2.53 0.00 | 31.49 -2.99 0.00 | 31.63 -2.34 0.00 | 34.93 -3.08 5.08 | 32.66 -2.95 9.62 | 39.39 -3.21 0.14 | 42.81 -3.87 3.55 | 30.44 -3.26 11.42 | 22.49 -2.42 15.49 | 24.19 -2.55 16.19 | 28.00 -2.98 17.25 | 26.13 -4.17 25.57 | 26.84 -3.48 20.07 | 29.13 -2.90 10.34 | 32.24 -3.47 17.63 | 33.62 -3.51 12.59 | 28.51 -2.43 3.17 | 24.17 -2.04 3.01 |
| STEPHTWN_115KV_BK_2 55603 | 37.04 0.43 0.00 | 29.52 0.39 0.00 | 29.17 0.44 0.36 | 29.09 0.43 0.22 | 29.00 0.46 0.76 | 34.35 0.50 0.00 | 39.57 0.61 0.00 | 35.10 0.62 0.00 | 34.40 0.42 0.00 | 43.58 0.49 0.00 | 45.77 0.54 0.00 | 43.28 0.54 0.00 | 50.81 0.58 0.00 | 45.77 0.65 0.00 | 41.09 0.70 0.00 | 43.69 0.77 0.00 | 48.69 0.46 0.00 | 56.60 0.73 0.00 | 51.10 0.72 0.00 | 43.01 0.63 0.00 | 53.95 0.61 0.00 | 50.39 0.67 0.00 | 34.64 0.52 0.00 | 29.83 0.61 0.00 |
| STEBUBEN_REC_LFGE 323667 | 34.79 -1.82 0.00 | 27.37 -1.77 0.00 | 24.33 -1.84 2.92 | 25.28 -1.81 1.78 | 21.11 -1.97 6.22 | 32.00 -1.85 0.00 | 36.75 -2.21 0.00 | 31.94 -2.55 0.00 | 31.68 -2.30 -0.01 | 51.01 -3.22 -11.13 | 62.79 -3.53 -21.09 | 39.34 -3.73 -0.32 | 48.47 -4.51 -2.75 | 66.19 -3.93 -25.01 | 71.11 -3.22 -33.94 | 74.95 -3.43 -35.46 | 82.23 -3.79 -37.79 | 56.15 -4.74 -5.02 | 72.09 -4.02 -25.72 | 43.23 -3.36 -4.20 | 88.27 -3.70 -38.63 | 73.33 -3.96 -27.58 | 33.35 -2.83 -2.06 | 33.40 -2.41 -6.59 |
| STILLWATER___SOLAR 323814 | 37.72 1.11 0.00 | 30.05 0.92 0.00 | 29.69 0.94 0.34 | 29.57 0.91 0.21 | 29.51 0.94 0.73 | 34.92 1.07 0.00 | 40.32 1.36 0.00 | 35.80 1.32 0.00 | 35.06 1.08 0.00 | 44.44 1.35 0.00 | 46.69 1.46 0.00 | 44.08 1.34 0.00 | 51.70 1.47 0.00 | 46.52 1.41 0.00 | 41.73 1.33 0.00 | 44.39 1.46 0.00 | 49.59 1.36 0.00 | 57.71 1.84 0.00 | 52.09 1.70 0.00 | 43.93 1.55 0.00 | 55.39 2.05 0.00 | 51.62 1.91 0.00 | 35.37 1.24 0.00 | 30.39 1.17 0.00 |
| STONY___BROOK 24151 | 35.97 2.37 3.01 | 27.10 1.65 3.68 | 26.96 1.59 3.72 | 26.93 1.68 3.62 | 26.91 1.78 4.17 | 32.13 2.11 3.83 | 38.14 2.55 3.38 | 35.55 2.30 1.24 | 39.52 2.28 -3.26 | 47.65 2.97 -1.59 | 47.67 3.18 0.74 | 46.11 3.21 -0.16 | 50.07 3.46 3.63 | 50.65 3.34 -2.20 | 49.20 3.51 -5.30 | 49.62 3.64 -3.05 | 51.71 3.48 0.00 | 59.65 3.78 0.00 | 54.02 3.63 0.00 | 45.26 2.88 0.00 | 56.52 3.18 0.00 | 51.79 3.40 1.33 | 32.90 2.60 3.83 | 30.49 2.33 1.05 |
| STURGEON_POOL_HYD 23609 | 38.20 1.58 0.00 | 30.30 1.17 0.00 | 29.60 1.01 0.49 | 29.63 1.06 0.30 | 29.32 1.08 1.05 | 35.06 1.21 0.00 | 40.47 1.51 0.00 | 36.01 1.53 0.00 | 35.57 1.59 0.00 | 45.02 1.92 0.00 | 47.32 2.09 0.00 | 44.88 2.14 0.00 | 52.63 2.40 0.00 | 47.49 2.37 0.00 | 42.86 2.47 0.00 | 45.55 2.62 0.00 | 50.77 2.54 0.00 | 58.67 2.80 0.00 | 52.92 2.53 0.00 | 44.46 2.08 0.00 | 55.85 2.51 0.00 | 52.10 2.38 0.00 | 35.95 1.83 0.00 | 30.87 1.65 0.00 |

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|--|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|-------------------------|------------------------|
| ST_LAW_115_BK7_LBMP 345037 | 36.55 -0.06 0.00 | 29.12 -0.01 0.00 | 28.78 0.08 0.38 | 28.72 0.08 0.23 | 28.53 0.04 0.81 | 33.95 0.10 0.00 | 39.09 0.12 0.00 | 34.45 -0.04 0.00 | 33.94 -0.04 0.00 | 43.18 0.08 0.00 | 45.16 -0.06 0.00 | 42.75 0.00 0.00 | 50.43 0.20 0.00 | 45.05 -0.07 0.00 | 40.03 -0.36 0.00 | 42.60 -0.33 0.00 | 48.18 -0.05 0.00 | 55.89 0.03 0.00 | 50.42 0.03 0.00 | 42.44 0.06 0.00 | 53.46 0.12 0.00 | 49.69 -0.03 0.00 | 34.01 -0.11 0.00 | 28.95 -0.27 0.00 |
| ST_LAW_115_BK8_LBMP 345038 | 36.55 -0.06 0.00 | 29.12 -0.01 0.00 | 28.78 0.08 0.38 | 28.72 0.08 0.23 | 28.53 0.04 0.81 | 33.95 0.10 0.00 | 39.09 0.12 0.00 | 34.45 -0.04 0.00 | 33.94 -0.04 0.00 | 43.18 0.08 0.00 | 45.16 -0.06 0.00 | 42.75 0.00 0.00 | 50.43 0.20 0.00 | 45.05 -0.07 0.00 | 40.03 -0.36 0.00 | 42.60 -0.33 0.00 | 48.18 -0.05 0.00 | 55.89 0.03 0.00 | 50.42 0.03 0.00 | 42.44 0.06 0.00 | 53.46 0.12 0.00 | 49.69 -0.03 0.00 | 34.01 -0.11 0.00 | 28.95 -0.27 0.00 |
| ST_LAW_230_BK5_LBMP 345035 | 36.55 -0.06 0.00 | 29.11 -0.02 0.00 | 28.83 0.07 0.33 | 28.74 0.06 0.20 | 28.65 0.04 0.69 | 33.94 0.09 0.00 | 39.07 0.10 0.00 | 34.44 -0.04 0.00 | 33.93 -0.04 0.00 | 43.16 0.07 0.00 | 45.17 -0.06 0.00 | 42.74 0.00 0.00 | 50.39 0.16 0.00 | 45.05 -0.07 0.00 | 40.07 -0.33 0.00 | 42.63 -0.30 0.00 | 48.19 -0.04 0.00 | 55.90 0.04 0.00 | 50.43 0.04 0.00 | 42.44 0.06 0.00 | 53.46 0.12 0.00 | 49.71 -0.01 0.00 | 34.01 -0.11 0.00 | 28.96 -0.26 0.00 |
| ST_LAW_230_BK6_LBMP 345036 | 36.55 -0.06 0.00 | 29.11 -0.02 0.00 | 28.83 0.07 0.33 | 28.74 0.06 0.20 | 28.65 0.04 0.69 | 33.94 0.09 0.00 | 39.07 0.10 0.00 | 34.44 -0.04 0.00 | 33.93 -0.04 0.00 | 43.16 0.07 0.00 | 45.17 -0.06 0.00 | 42.74 0.00 0.00 | 50.39 0.16 0.00 | 45.05 -0.07 0.00 | 40.07 -0.33 0.00 | 42.63 -0.30 0.00 | 48.19 -0.04 0.00 | 55.90 0.04 0.00 | 50.43 0.04 0.00 | 42.44 0.06 0.00 | 53.46 0.12 0.00 | 49.71 -0.01 0.00 | 34.01 -0.11 0.00 | 28.96 -0.26 0.00 |
| SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026 | 37.77 1.16 0.00 | 29.97 0.84 0.00 | 29.25 0.70 0.54 | 29.30 0.75 0.33 | 28.92 0.77 1.14 | 34.69 0.84 0.00 | 40.00 1.04 0.00 | 35.54 1.06 0.00 | 35.06 1.08 0.00 | 44.36 1.27 0.00 | 46.64 1.41 0.00 | 44.20 1.46 0.00 | 51.83 1.60 0.00 | 46.77 1.65 0.00 | 42.17 1.78 0.00 | 44.82 1.90 0.00 | 50.05 1.81 0.00 | 57.86 1.99 0.00 | 52.20 1.82 0.00 | 43.85 1.47 0.00 | 55.15 1.81 0.00 | 51.46 1.74 0.00 | 35.46 1.34 0.00 | 30.49 1.27 0.00 |
| SWANROAD_115KV_TB1 355699 | 33.32 -3.29 0.00 | 26.38 -2.76 0.00 | 23.79 -2.86 2.44 | 24.57 -2.81 1.49 | 21.41 -2.70 5.20 | 31.11 -2.74 0.00 | 35.56 -3.40 0.00 | 30.48 -4.00 0.00 | 30.55 -3.42 0.00 | 35.12 -4.13 3.85 | 33.92 -4.02 7.29 | 38.16 -4.48 0.11 | 42.29 -5.16 2.78 | 32.23 -4.23 8.65 | 25.50 -3.16 11.74 | 27.28 -3.38 12.26 | 31.29 -3.87 13.07 | 30.37 -5.22 20.28 | 30.42 -4.44 15.53 | 30.54 -3.68 8.16 | 35.29 -4.69 13.36 | 35.55 -4.62 9.54 | 28.45 -3.18 2.49 | 24.29 -2.65 2.28 |
| SYNERGY___BIOGAS 323694 | 34.96 -1.65 0.00 | 27.65 -1.48 0.00 | 25.02 -1.61 2.45 | 25.80 -1.57 1.50 | 22.57 -1.50 5.23 | 32.56 -1.29 0.00 | 37.38 -1.58 0.00 | 32.37 -2.12 0.00 | 32.43 -1.54 0.00 | 38.65 -2.03 2.42 | 38.88 -1.76 4.59 | 40.62 -2.06 0.07 | 45.90 -2.40 1.92 | 37.73 -1.95 5.44 | 31.75 -1.26 7.38 | 33.86 -1.35 7.71 | 38.42 -1.58 8.22 | 38.99 -2.38 14.50 | 38.12 -1.88 10.39 | 35.09 -1.53 5.76 | 42.99 -1.95 8.40 | 41.58 -2.14 6.00 | 30.86 -1.53 1.73 | 26.44 -1.35 1.44 |
| SYRACUSE___ENERGY_ST1 323597 | 35.59 -1.02 0.00 | 28.24 -0.90 0.00 | 22.89 -0.97 5.23 | 24.71 -0.97 3.20 | 17.16 -0.98 11.16 | 32.88 -0.97 0.00 | 37.92 -1.05 0.00 | 33.47 -1.02 0.00 | 33.09 -0.88 0.00 | 41.86 -1.24 0.00 | 43.96 -1.27 0.00 | 41.44 -1.30 0.00 | 48.72 -1.52 0.00 | 43.85 -1.27 0.00 | 39.43 -0.96 0.00 | 41.85 -1.07 0.00 | 46.89 -1.34 0.00 | 54.23 -1.64 0.00 | 48.96 -1.42 0.00 | 41.19 -1.19 0.00 | 51.89 -1.45 0.00 | 48.32 -1.40 0.00 | 33.10 -1.02 0.00 | 28.33 -0.89 0.00 |
| SYRACUSE___ENERGY_ST2 323598 | 35.59 -1.02 0.00 | 28.24 -0.90 0.00 | 22.89 -0.97 5.23 | 24.71 -0.97 3.20 | 17.16 -0.98 11.16 | 32.88 -0.97 0.00 | 37.92 -1.05 0.00 | 33.47 -1.02 0.00 | 33.09 -0.88 0.00 | 41.86 -1.24 0.00 | 43.96 -1.27 0.00 | 41.44 -1.30 0.00 | 48.72 -1.52 0.00 | 43.85 -1.27 0.00 | 39.43 -0.96 0.00 | 41.85 -1.07 0.00 | 46.89 -1.34 0.00 | 54.23 -1.64 0.00 | 48.96 -1.42 0.00 | 41.19 -1.19 0.00 | 51.89 -1.45 0.00 | 48.32 -1.40 0.00 | 33.10 -1.02 0.00 | 28.33 -0.89 0.00 |
| SYRACUSE___POWER 24017 | 35.74 -0.86 0.00 | 28.35 -0.79 0.00 | 23.27 -0.87 4.95 | 24.99 -0.86 3.03 | 17.89 -0.86 10.55 | 33.02 -0.83 0.00 | 38.06 -0.91 0.00 | 33.62 -0.86 0.00 | 33.29 -0.69 0.00 | 42.06 -1.03 0.00 | 44.19 -1.04 0.00 | 41.67 -1.07 0.00 | 49.21 -1.29 -0.27 | 44.05 -1.06 0.00 | 39.61 -0.78 0.00 | 42.08 -0.85 0.00 | 47.13 -1.10 0.00 | 57.22 -1.40 -2.74 | 50.23 -1.16 -1.00 | 42.40 -0.99 -1.01 | 52.17 -1.17 0.00 | 48.56 -1.16 0.00 | 33.53 -0.86 -0.27 | 28.47 -0.75 0.00 |
| TALLMAN_138KV_BK151 55660 | 37.96 1.35 0.00 | 30.10 0.96 0.00 | 29.38 0.82 0.52 | 29.43 0.87 0.32 | 29.07 0.88 1.12 | 34.82 0.97 0.00 | 40.15 1.19 0.00 | 35.68 1.20 0.00 | 35.20 1.23 0.00 | 44.52 1.43 0.00 | 46.82 1.59 0.00 | 44.42 1.68 0.00 | 52.08 1.85 0.00 | 47.01 1.89 0.00 | 42.41 2.01 0.00 | 45.08 2.15 0.00 | 50.31 2.08 0.00 | 58.14 2.27 0.00 | 52.45 2.07 0.00 | 44.06 1.68 0.00 | 55.38 2.04 0.00 | 51.74 2.02 0.00 | 35.67 1.54 0.00 | 30.68 1.46 0.00 |
| TEALLAVE_115KV_TB7 355573 | 35.60 -1.01 0.00 | 28.23 -0.90 0.00 | 23.18 -0.99 4.92 | 24.90 -0.97 3.01 | 17.84 -0.97 10.49 | 32.89 -0.96 0.00 | 37.91 -1.05 0.00 | 33.47 -1.01 0.00 | 33.14 -0.83 0.00 | 41.89 -1.20 0.00 | 44.03 -1.20 0.00 | 41.52 -1.23 0.00 | 48.76 -1.48 0.00 | 43.89 -1.22 0.00 | 39.48 -0.91 0.00 | 41.93 -1.00 0.00 | 46.96 -1.26 0.00 | 54.27 -1.60 0.00 | 49.02 -1.36 0.00 | 41.23 -1.15 0.00 | 51.95 -1.39 0.00 | 48.36 -1.36 0.00 | 33.13 -0.99 0.00 | 28.37 -0.85 0.00 |
| TELGRAPH_34_KV_EAST 80808 | 34.18 -2.43 0.00 | 27.05 -2.08 0.00 | 24.42 -2.22 2.45 | 25.21 -2.17 1.50 | 21.99 -2.10 5.22 | 31.83 -2.02 0.00 | 36.48 -2.49 0.00 | 31.45 -3.03 0.00 | 31.52 -2.45 0.00 | 36.84 -3.08 3.17 | 36.28 -2.93 6.01 | 39.38 -3.27 0.09 | 44.06 -3.81 2.37 | 34.85 -3.13 7.13 | 28.47 -2.25 9.68 | 30.41 -2.40 10.11 | 34.68 -2.78 10.77 | 34.50 -3.87 17.50 | 34.08 -3.23 13.08 | 32.72 -2.65 7.01 | 38.95 -3.38 11.01 | 38.45 -3.41 7.86 | 29.64 -2.36 2.13 | 25.33 -2.00 1.88 |
| TEMPLE___115KV_TB 2 55572 | 35.60 -1.01 0.00 | 28.24 -0.90 0.00 | 23.16 -0.98 4.95 | 24.88 -0.97 3.03 | 17.78 -0.97 10.56 | 32.89 -0.96 0.00 | 37.91 -1.05 0.00 | 33.48 -1.00 0.00 | 33.15 -0.82 0.00 | 41.90 -1.20 0.00 | 44.04 -1.19 0.00 | 41.53 -1.21 0.00 | 48.78 -1.46 0.00 | 43.90 -1.21 0.00 | 39.50 -0.90 0.00 | 41.95 -0.97 0.00 | 46.97 -1.26 0.00 | 54.29 -1.58 0.00 | 49.04 -1.35 0.00 | 41.24 -1.15 0.00 | 51.96 -1.38 0.00 | 48.37 -1.35 0.00 | 33.14 -0.98 0.00 | 28.38 -0.84 0.00 |
| TIANA___69_KV_BK 1 55817 | 35.96 2.47 3.13 | 27.11 1.80 3.82 | 27.04 1.80 3.85 | 27.06 1.94 3.75 | 27.07 2.06 4.29 | 32.25 2.40 4.01 | 38.39 2.97 3.54 | 35.65 2.60 1.43 | 39.52 2.50 -3.05 | 47.86 3.40 -1.36 | 47.86 3.67 1.05 | 46.37 3.64 0.01 | 48.75 3.91 5.39 | 50.98 3.83 -2.03 | 49.09 4.13 -4.56 | 49.96 4.16 -2.88 | 52.09 3.86 0.00 | 60.23 4.36 0.00 | 54.53 4.15 0.00 | 45.57 3.19 0.00 | 56.91 3.57 0.00 | 51.99 3.66 1.38 | 32.28 2.68 4.52 | 30.36 2.32 1.18 |

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| TILDEN___115KV_TB1 80814 | 35.74 -0.86 0.00 | 28.35 -0.79 0.00 | 23.27 -0.87 4.95 | 24.99 -0.86 3.03 | 17.89 -0.86 10.55 | 33.02 -0.83 0.00 | 38.06 -0.91 0.00 | 33.62 -0.86 0.00 | 33.29 -0.69 0.00 | 42.06 -1.03 0.00 | 44.19 -1.04 0.00 | 41.67 -1.07 0.00 | 49.21 -1.29 -0.27 | 44.05 -1.06 0.00 | 39.61 -0.78 0.00 | 42.08 -0.85 0.00 | 47.13 -1.10 0.00 | 57.22 -1.40 -2.74 | 50.23 -1.16 -1.00 | 42.40 -0.99 -1.01 | 52.17 -1.17 0.00 | 48.56 -1.16 0.00 | 33.53 -0.86 -0.27 | 28.47 -0.75 0.00 |
| TRIGEN___CC 323695 | 41.60 1.89 -3.10 | 34.25 1.32 -3.79 | 33.14 1.23 -2.82 | 33.31 1.32 -3.11 | 32.80 1.38 -2.12 | 50.78 1.60 -15.33 | 57.05 1.92 -16.17 | 58.22 1.86 -21.87 | 65.21 1.82 -29.42 | 74.02 2.23 -28.70 | 84.07 2.44 -36.40 | 65.29 2.50 -20.05 | 260.40 2.77 -207.40 | 70.79 2.51 -23.16 | 138.54 2.75 -95.40 | 69.98 2.78 -24.28 | 50.87 2.64 0.00 | 58.65 2.78 0.00 | 53.04 2.66 0.00 | 44.50 2.12 0.00 | 55.83 2.49 0.00 | 58.16 2.55 -5.89 | 116.52 2.07 -80.32 | 44.40 1.90 -13.27 |
| TRINITY__115KV__4 BK 55933 | 36.73 0.12 0.00 | 29.30 0.17 0.00 | 28.93 0.20 0.36 | 28.85 0.19 0.22 | 28.75 0.21 0.76 | 34.01 0.16 0.00 | 39.17 0.20 0.00 | 34.77 0.28 0.00 | 34.05 0.07 0.00 | 43.10 0.00 0.00 | 45.26 0.03 0.00 | 42.79 0.04 0.00 | 50.26 0.03 0.00 | 45.31 0.19 0.00 | 40.67 0.28 0.00 | 43.20 0.27 0.00 | 48.07 -0.16 0.00 | 55.84 -0.03 0.00 | 50.36 -0.02 0.00 | 42.44 0.06 0.00 | 53.38 0.04 0.00 | 49.84 0.12 0.00 | 34.27 0.15 0.00 | 29.54 0.32 0.00 |
| UNION___PROCESSING_DRP 323587 | 34.81 -1.81 0.00 | 27.58 -1.55 0.00 | 24.95 -1.67 2.47 | 25.74 -1.63 1.51 | 22.40 -1.64 5.26 | 32.29 -1.56 0.00 | 37.12 -1.85 0.00 | 32.39 -2.09 0.00 | 32.30 -1.68 0.00 | 40.81 -2.29 0.00 | 43.02 -2.21 0.00 | 40.51 -2.24 0.00 | 47.04 -2.67 0.52 | 42.82 -2.30 0.00 | 38.68 -1.71 0.00 | 41.08 -1.84 0.00 | 46.08 -2.15 0.00 | 47.73 -2.91 5.23 | 46.08 -2.45 1.85 | 38.46 -2.05 1.88 | 50.77 -2.57 0.00 | 47.16 -2.56 0.00 | 31.86 -1.76 0.50 | 27.64 -1.57 0.00 |
| UPPER HUDSON___HYD 24058 | 37.93 1.32 0.00 | 30.26 1.13 0.00 | 29.88 1.14 0.34 | 29.74 1.07 0.21 | 29.68 1.12 0.73 | 35.13 1.28 0.00 | 40.69 1.73 0.00 | 36.20 1.72 0.00 | 35.47 1.49 0.00 | 44.92 1.83 0.00 | 47.25 2.02 0.00 | 44.60 1.86 0.00 | 52.26 2.03 0.00 | 47.05 1.93 0.00 | 42.14 1.75 0.00 | 44.84 1.92 0.00 | 50.15 1.92 0.00 | 58.42 2.54 0.00 | 52.80 2.42 0.00 | 44.55 2.16 0.00 | 56.31 2.97 0.00 | 52.41 2.69 0.00 | 35.81 1.68 0.00 | 30.73 1.51 0.00 |
| UPPER RAQUET___HYD 24056 | 36.54 -0.07 0.00 | 29.10 -0.03 0.00 | 28.20 0.04 0.93 | 28.36 0.05 0.57 | 27.35 0.02 1.97 | 33.98 0.13 0.00 | 39.06 0.09 0.00 | 34.39 -0.09 0.00 | 33.78 -0.19 0.00 | 43.19 0.10 0.00 | 44.86 -0.37 0.00 | 42.39 -0.36 0.00 | 50.24 0.01 0.00 | 44.86 -0.26 0.00 | 39.63 -0.76 0.00 | 42.16 -0.77 0.00 | 47.54 -0.69 0.00 | 55.25 -0.61 0.00 | 49.93 -0.46 0.00 | 42.07 -0.31 0.00 | 53.00 -0.34 0.00 | 49.32 -0.40 0.00 | 33.89 -0.23 0.00 | 28.71 -0.51 0.00 |
| VALLEY44_115KV_TB2 355964 | 35.43 -1.18 0.00 | 27.97 -1.16 0.00 | 25.17 -1.36 2.55 | 26.02 -1.29 1.56 | 22.56 -1.29 5.45 | 32.73 -1.13 0.00 | 37.40 -1.56 0.00 | 32.52 -1.96 0.00 | 32.65 -1.33 0.00 | 39.21 -1.72 2.17 | 39.58 -1.55 4.10 | 40.69 -2.00 0.06 | 45.28 -2.72 2.23 | 37.81 -2.44 4.87 | 32.11 -1.68 6.60 | 34.19 -1.83 6.90 | 38.70 -2.18 7.35 | 34.56 -3.20 18.11 | 36.74 -2.53 11.11 | 33.23 -2.16 6.99 | 43.39 -2.44 7.51 | 42.02 -2.33 5.36 | 30.52 -1.57 2.04 | 26.81 -1.13 1.28 |
| VALLEY___115KV_TB 1-4 80826 | 36.54 -0.07 0.00 | 29.04 -0.08 0.00 | 28.42 -0.18 0.49 | 28.39 -0.19 0.30 | 28.07 -0.18 1.05 | 33.59 -0.26 0.00 | 38.66 -0.30 0.00 | 34.41 -0.08 0.00 | 33.85 -0.12 0.00 | 42.68 -0.41 0.00 | 44.60 -0.63 0.00 | 42.04 -0.71 0.00 | 49.45 -0.78 0.00 | 44.61 -0.51 0.00 | 40.08 -0.32 0.00 | 42.69 -0.23 0.00 | 47.74 -0.49 0.00 | 55.30 -0.57 0.00 | 49.99 -0.39 0.00 | 42.13 -0.25 0.00 | 52.85 -0.49 0.00 | 49.28 -0.44 0.00 | 33.81 -0.31 0.00 | 29.06 -0.16 0.00 |
| VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011 | 37.56 0.95 0.00 | 29.80 0.67 0.00 | 28.10 0.58 1.57 | 28.50 0.59 0.96 | 26.58 0.63 3.35 | 34.67 0.82 0.00 | 39.91 0.95 0.00 | 35.35 0.87 0.00 | 34.98 1.01 0.00 | 44.30 1.21 0.00 | 46.54 1.31 0.00 | 43.95 1.21 0.00 | 51.55 1.32 0.00 | 46.47 1.35 0.00 | 41.84 1.44 0.00 | 44.39 1.46 0.00 | 49.73 1.50 0.00 | 57.50 1.63 0.00 | 51.85 1.46 0.00 | 43.61 1.23 0.00 | 54.93 1.58 0.00 | 51.10 1.38 0.00 | 35.20 1.08 0.00 | 30.12 0.90 0.00 |
| VISCHER___FERRY HYD 24020 | 37.25 0.65 0.00 | 29.68 0.55 0.00 | 29.35 0.61 0.34 | 29.25 0.59 0.21 | 29.17 0.60 0.73 | 34.48 0.63 0.00 | 39.75 0.78 0.00 | 35.31 0.82 0.00 | 34.55 0.57 0.00 | 43.88 0.78 0.00 | 46.05 0.82 0.00 | 43.48 0.74 0.00 | 51.07 0.84 0.00 | 46.01 0.89 0.00 | 41.23 0.84 0.00 | 43.82 0.90 0.00 | 48.80 0.57 0.00 | 56.77 0.90 0.00 | 51.25 0.87 0.00 | 43.19 0.80 0.00 | 54.39 1.05 0.00 | 50.74 1.02 0.00 | 34.81 0.69 0.00 | 29.96 0.74 0.00 |
| V_A_10_SYNC_DSASP 323832 | 34.04 -2.57 0.00 | 26.96 -2.18 0.00 | 24.46 -2.30 2.33 | 25.19 -2.26 1.42 | 22.06 -2.27 4.96 | 31.60 -2.25 0.00 | 36.20 -2.77 0.00 | 31.34 -3.14 0.00 | 31.37 -2.61 0.00 | 37.14 -3.45 2.51 | 37.09 -3.38 4.76 | 39.20 -3.47 0.07 | 44.13 -4.15 1.94 | 35.90 -3.57 5.65 | 29.99 -2.74 7.66 | 32.01 -2.92 8.00 | 36.31 -3.39 8.53 | 36.77 -4.56 14.54 | 35.92 -3.86 10.59 | 33.34 -3.25 5.79 | 40.57 -4.05 8.72 | 29.73 -3.95 6.22 | 25.48 -2.64 1.75 | -2.25 -1.49 |
| V_CMM_10_SYNC_DSASP 323787 | 36.72 0.11 0.00 | 29.26 0.13 0.00 | 28.92 0.22 0.38 | 28.85 0.21 0.23 | 28.67 0.18 0.81 | 34.11 0.26 0.00 | 39.28 0.31 0.00 | 34.61 0.13 0.00 | 34.11 0.13 0.00 | 43.39 0.30 0.00 | 45.40 0.17 0.00 | 42.96 0.22 0.00 | 50.68 0.45 0.00 | 45.28 0.16 0.00 | 40.24 -0.16 0.00 | 42.82 -0.11 0.00 | 48.43 0.20 0.00 | 56.18 0.31 0.00 | 50.68 0.29 0.00 | 42.66 0.27 0.00 | 53.73 0.39 0.00 | 49.94 0.22 0.00 | 34.19 0.06 0.00 | 29.10 -0.12 0.00 |
| V_CMP_10_SYNC_DSASP 323788 | 37.32 0.71 0.00 | 29.67 0.54 0.00 | 29.35 0.64 0.37 | 29.29 0.65 0.23 | 29.14 0.63 0.79 | 34.63 0.79 0.00 | 39.91 0.94 0.00 | 35.21 0.73 0.00 | 34.60 0.62 0.00 | 43.81 0.72 0.00 | 45.83 0.60 0.00 | 43.34 0.60 0.00 | 51.12 0.89 0.00 | 45.80 0.68 0.00 | 40.67 0.28 0.00 | 43.31 0.38 0.00 | 48.76 0.53 0.00 | 56.80 0.93 0.00 | 51.35 0.96 0.00 | 43.06 0.67 0.00 | 54.26 0.92 0.00 | 50.20 0.49 0.00 | 34.26 0.14 0.00 | 29.15 -0.07 0.00 |
| V_D_10_SYNC_DSASP 323841 | 36.87 0.26 0.00 | 29.37 0.24 0.00 | 28.95 0.33 0.47 | 28.90 0.31 0.29 | 28.59 0.29 1.00 | 34.27 0.42 0.00 | 39.45 0.48 0.00 | 34.73 0.25 0.00 | 34.21 0.24 0.00 | 43.67 0.58 0.00 | 45.53 0.30 0.00 | 43.07 0.33 0.00 | 50.98 0.75 0.00 | 45.54 0.42 0.00 | 40.34 -0.06 0.00 | 42.92 0.00 0.00 | 48.53 0.29 0.00 | 56.32 0.45 0.00 | 50.82 0.43 0.00 | 42.77 0.39 0.00 | 53.90 0.56 0.00 | 50.11 0.39 0.00 | 34.31 0.19 0.00 | 29.18 -0.04 0.00 |
| V_E_10_SYNC_DSASP 323830 | 38.15 1.54 0.00 | 29.92 0.79 0.00 | 26.85 0.60 2.84 | 27.89 0.75 1.74 | 24.00 0.76 6.06 | 34.92 1.08 0.00 | 40.27 1.31 0.00 | 35.54 1.06 0.00 | 35.42 1.44 0.00 | 45.62 1.60 -0.93 | 48.72 1.74 -1.76 | 43.87 1.10 -0.03 | 53.06 0.93 -1.90 | 47.67 0.47 -2.08 | 43.57 0.35 -2.82 | 46.45 0.57 -2.95 | 52.32 0.95 -3.14 | 74.60 1.04 -17.69 | 59.77 0.77 -8.62 | 49.91 0.63 -6.90 | 56.84 0.28 -3.21 | 52.10 0.09 -2.30 | 35.90 -0.13 -1.91 | 29.58 -0.18 -0.55 |

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| V_F_30_NSYNC___DSASP 323816 | 37.77 1.16 0.00 | 30.09 0.95 0.00 | 29.71 0.97 0.34 | 29.60 0.94 0.21 | 29.54 0.98 0.73 | 34.96 1.11 0.00 | 40.37 1.40 0.00 | 35.84 1.36 0.00 | 35.11 1.14 0.00 | 44.51 1.41 0.00 | 46.76 1.53 0.00 | 44.16 1.41 0.00 | 51.80 1.57 0.00 | 46.62 1.50 0.00 | 41.80 1.41 0.00 | 44.46 1.54 0.00 | 49.69 1.46 0.00 | 57.78 1.91 0.00 | 52.17 1.78 0.00 | 44.00 1.61 0.00 | 55.46 2.11 0.00 | 51.68 1.96 0.00 | 35.41 1.29 0.00 | 30.42 1.20 0.00 |
| V_F_30_SYNC_DSASP 323786 | 36.84 0.23 0.00 | 29.39 0.26 0.00 | 29.02 0.28 0.35 | 28.93 0.27 0.21 | 28.84 0.30 0.75 | 34.13 0.27 0.00 | 39.30 0.34 0.00 | 34.88 0.40 0.00 | 34.19 0.21 0.00 | 43.25 0.16 0.00 | 45.46 0.23 0.00 | 42.97 0.23 0.00 | 50.47 0.24 0.00 | 45.49 0.37 0.00 | 40.84 0.45 0.00 | 43.37 0.45 0.00 | 48.27 0.05 0.00 | 56.10 0.23 0.00 | 50.60 0.22 0.00 | 42.61 0.23 0.00 | 53.58 0.24 0.00 | 50.03 0.31 0.00 | 34.39 0.27 0.00 | 29.64 0.42 0.00 |
| V_XM_10_SYNC_DSASP 323789 | 37.32 0.71 0.00 | 29.67 0.54 0.00 | 29.35 0.64 0.37 | 29.29 0.65 0.23 | 29.14 0.63 0.79 | 34.63 0.79 0.00 | 39.91 0.94 0.00 | 35.21 0.73 0.00 | 34.60 0.62 0.00 | 43.81 0.72 0.00 | 45.83 0.60 0.00 | 43.34 0.60 0.00 | 51.12 0.89 0.00 | 45.80 0.68 0.00 | 40.67 0.28 0.00 | 43.31 0.38 0.00 | 48.76 0.53 0.00 | 56.80 0.93 0.00 | 51.35 0.96 0.00 | 43.06 0.67 0.00 | 54.26 0.92 0.00 | 50.20 0.49 0.00 | 34.26 0.14 0.00 | 29.15 -0.07 0.00 |
| W.BABYLN_69_KV_BK1 56697 | 39.12 2.51 0.00 | 30.92 1.78 0.00 | 30.27 1.68 0.50 | 30.33 1.77 0.31 | 30.08 1.85 1.07 | 36.90 2.19 -0.86 | 42.53 2.62 -0.94 | 40.69 2.44 -3.77 | 45.17 2.45 -8.75 | 53.53 3.11 -7.33 | 55.72 3.27 -7.22 | 50.50 3.33 -4.43 | 95.87 3.73 -41.90 | 55.17 3.45 -6.61 | 68.17 3.59 -24.19 | 54.17 3.73 -7.51 | 51.87 3.64 0.00 | 59.83 3.96 0.00 | 54.16 3.78 0.00 | 45.37 2.99 0.00 | 56.80 3.46 0.00 | 53.48 3.59 -0.18 | 50.66 2.77 -13.77 | 33.72 2.45 -2.06 |
| W.NYACK_69_KV_BK 521_REV_LBMP_G 345027 | 38.05 1.44 0.00 | 30.18 1.05 0.00 | 29.47 0.90 0.52 | 29.51 0.95 0.32 | 29.16 0.97 1.11 | 34.92 1.07 0.00 | 40.28 1.32 0.00 | 35.81 1.33 0.00 | 35.34 1.36 0.00 | 44.71 1.62 0.00 | 47.01 1.78 0.00 | 44.59 1.85 0.00 | 52.28 2.05 0.00 | 47.19 2.07 0.00 | 42.57 2.17 0.00 | 45.25 2.33 0.00 | 50.50 2.27 0.00 | 58.36 2.49 0.00 | 52.64 2.25 0.00 | 44.22 1.84 0.00 | 55.59 2.25 0.00 | 51.90 2.18 0.00 | 35.78 1.65 0.00 | 30.77 1.55 0.00 |
| W49TH_ST_138_KV_38M43_REV_LBMP_J 345008 | 38.13 1.52 0.00 | 30.26 1.13 0.00 | 29.56 0.98 0.50 | 29.59 1.02 0.31 | 29.26 1.04 1.07 | 35.00 1.15 0.00 | 40.39 1.43 0.00 | 35.97 1.49 0.00 | 35.53 1.55 0.00 | 44.91 1.82 0.00 | 47.20 1.97 0.00 | 44.79 2.04 0.00 | 52.49 2.26 0.00 | 47.40 2.28 0.00 | 42.79 2.40 0.00 | 45.46 2.54 0.00 | 50.68 2.45 0.00 | 58.53 2.66 0.00 | 52.76 2.37 0.00 | 44.29 1.91 0.00 | 55.62 2.28 0.00 | 52.04 2.33 0.00 | 35.91 1.79 0.00 | 30.88 1.67 0.00 |
| W50THST__13_KV_LOAD 356117 | 38.25 1.63 0.00 | 30.35 1.22 0.00 | 29.65 1.07 0.50 | 29.68 1.11 0.31 | 29.35 1.13 1.07 | 35.10 1.26 0.00 | 40.54 1.57 0.00 | 36.13 1.65 0.00 | 35.71 1.73 0.00 | 45.13 2.04 0.00 | 47.43 2.20 0.00 | 45.01 2.27 0.00 | 52.75 2.51 0.00 | 47.64 2.52 0.00 | 43.00 2.61 0.00 | 45.68 2.76 0.00 | 50.92 2.69 0.00 | 58.79 2.92 0.00 | 52.97 2.59 0.00 | 44.46 2.08 0.00 | 55.81 2.47 0.00 | 52.29 2.58 0.00 | 36.09 1.97 0.00 | 31.04 1.82 0.00 |
| WADING RIVER_IC_1 23522 | 35.81 2.34 3.14 | 26.93 1.64 3.84 | 26.84 1.62 3.87 | 26.82 1.72 3.77 | 26.82 1.82 4.31 | 31.97 2.15 4.03 | 38.04 2.64 3.56 | 35.40 2.37 1.45 | 39.31 2.31 -3.02 | 47.51 3.08 -1.33 | 47.46 3.31 1.08 | 46.02 3.30 0.03 | 48.15 3.52 5.60 | 50.55 3.43 -2.01 | 48.53 3.66 -4.47 | 49.55 3.77 -2.86 | 51.78 3.56 0.00 | 59.77 3.90 0.00 | 54.15 3.76 0.00 | 45.31 2.93 0.00 | 56.64 3.30 0.00 | 51.78 3.45 1.39 | 32.11 2.59 4.60 | 30.32 2.29 1.19 |
| WADING RIVER_IC_2 23547 | 35.81 2.34 3.14 | 26.93 1.64 3.84 | 26.84 1.62 3.87 | 26.82 1.72 3.77 | 26.82 1.82 4.31 | 31.97 2.15 4.03 | 38.04 2.64 3.56 | 35.40 2.37 1.45 | 39.31 2.31 -3.02 | 47.51 3.08 -1.33 | 47.46 3.31 1.08 | 46.02 3.30 0.03 | 48.15 3.52 5.60 | 50.55 3.43 -2.01 | 48.53 3.66 -4.47 | 49.55 3.77 -2.86 | 51.78 3.56 0.00 | 59.77 3.90 0.00 | 54.15 3.76 0.00 | 45.31 2.93 0.00 | 56.64 3.30 0.00 | 51.78 3.45 1.39 | 32.11 2.59 4.60 | 30.32 2.29 1.19 |
| WADING RIVER_IC_3 23601 | 35.81 2.34 3.14 | 26.93 1.64 3.84 | 26.84 1.62 3.87 | 26.82 1.72 3.77 | 26.82 1.82 4.31 | 31.97 2.15 4.03 | 38.04 2.64 3.56 | 35.40 2.37 1.45 | 39.31 2.31 -3.02 | 47.51 3.08 -1.33 | 47.46 3.31 1.08 | 46.02 3.30 0.03 | 48.15 3.52 5.60 | 50.55 3.43 -2.01 | 48.53 3.66 -4.47 | 49.55 3.77 -2.86 | 51.78 3.56 0.00 | 59.77 3.90 0.00 | 54.15 3.76 0.00 | 45.31 2.93 0.00 | 56.64 3.30 0.00 | 51.78 3.45 1.39 | 32.11 2.59 4.60 | 30.32 2.29 1.19 |
| WALDENNY_12_KV_BK2 80841 | 34.35 -2.26 0.00 | 27.13 -2.00 0.00 | 24.44 -2.17 2.48 | 25.26 -2.10 1.51 | 21.94 -2.08 5.28 | 31.86 -1.99 0.00 | 36.49 -2.48 0.00 | 31.52 -2.96 0.00 | 31.63 -2.34 0.00 | 35.12 -3.03 4.94 | 32.97 -2.90 9.37 | 39.42 -3.18 0.14 | 42.95 -3.81 3.47 | 30.82 -3.18 11.12 | 22.99 -2.33 15.08 | 24.67 -2.49 15.76 | 28.54 -2.90 16.79 | 26.79 -4.08 25.00 | 27.41 -3.40 19.58 | 29.46 -2.82 10.11 | 32.75 -3.43 17.16 | 34.03 -3.44 12.25 | 28.64 -2.39 3.10 | 24.27 -2.02 2.93 |
| WALDEN___HYDRO 24148 | 38.00 1.39 0.00 | 30.15 1.02 0.00 | 29.44 0.88 0.52 | 29.47 0.92 0.32 | 29.13 0.94 1.11 | 34.91 1.06 0.00 | 40.27 1.31 0.00 | 35.80 1.32 0.00 | 35.33 1.35 0.00 | 44.70 1.60 0.00 | 46.98 1.75 0.00 | 44.53 1.79 0.00 | 52.22 1.99 0.00 | 47.12 2.00 0.00 | 42.49 2.10 0.00 | 45.16 2.24 0.00 | 50.39 2.16 0.00 | 58.26 2.39 0.00 | 52.56 2.18 0.00 | 44.17 1.79 0.00 | 55.53 2.19 0.00 | 51.80 2.08 0.00 | 35.69 1.57 0.00 | 30.67 1.45 0.00 |
| WARRENSBURG____ 23737 | 37.93 1.32 0.00 | 30.26 1.13 0.00 | 29.88 1.14 0.34 | 29.74 1.07 0.21 | 29.68 1.12 0.73 | 35.13 1.28 0.00 | 40.70 1.73 0.00 | 36.20 1.72 0.00 | 35.46 1.49 0.00 | 44.92 1.83 0.00 | 47.25 2.02 0.00 | 44.60 1.86 0.00 | 52.26 2.03 0.00 | 47.05 1.94 0.00 | 42.14 1.75 0.00 | 44.84 1.92 0.00 | 50.15 1.92 0.00 | 58.41 2.54 0.00 | 52.81 2.42 0.00 | 44.55 2.17 0.00 | 56.31 2.97 0.00 | 52.41 2.70 0.00 | 35.81 1.68 0.00 | 30.73 1.51 0.00 |
| WATERSIDE____6 8 9 23538 | 38.13 1.52 0.00 | 30.30 1.17 0.00 | 29.58 1.00 0.50 | 29.62 1.05 0.31 | 29.29 1.06 1.07 | 35.02 1.17 0.00 | 40.43 1.46 0.00 | 36.02 1.54 0.00 | 35.56 1.59 0.00 | 44.86 1.77 0.00 | 47.18 1.95 0.00 | 44.79 2.04 0.00 | 52.51 2.28 0.00 | 47.40 2.28 0.00 | 42.82 2.42 0.00 | 45.47 2.54 0.00 | 50.66 2.43 0.00 | 58.50 2.63 0.00 | 52.73 2.34 0.00 | 44.26 1.88 0.00 | 55.59 2.25 0.00 | 51.96 2.25 0.00 | 34.34 1.72 1.50 | 30.84 1.62 0.00 |
| WATKINRD_115KV_LN8_ILLION 55919 | 36.53 -0.08 0.00 | 29.06 -0.07 0.00 | 28.46 -0.13 0.49 | 28.43 -0.14 0.30 | 28.12 -0.13 1.05 | 33.66 -0.19 0.00 | 38.75 -0.21 0.00 | 34.43 -0.05 0.00 | 33.90 -0.08 0.00 | 42.79 -0.30 0.00 | 44.79 -0.44 0.00 | 42.25 -0.49 0.00 | 49.69 -0.54 0.00 | 44.78 -0.34 0.00 | 40.21 -0.19 0.00 | 42.79 -0.14 0.00 | 47.90 -0.33 0.00 | 55.48 -0.39 0.00 | 50.12 -0.26 0.00 | 42.22 -0.16 0.00 | 53.01 -0.33 0.00 | 49.43 -0.29 0.00 | 33.92 -0.21 0.00 | 29.13 -0.10 0.00 |

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|--|-------------------------|--------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|--------------------------|-------------------------|---------------------------|-------------------------|---------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|--------------------------|-------------------------|---------------------------|-------------------------|
| WDELAWARE___HYD 323627 | 38.35 1.74 0.00 | 30.57 1.43 0.00 | 29.86 1.32 0.55 | 29.91 1.38 0.33 | 29.53 1.40 1.17 | 35.50 1.65 0.00 | 40.98 2.02 0.00 | 36.42 1.94 0.00 | 35.97 2.00 0.00 | 45.57 2.47 0.00 | 47.94 2.70 0.00 | 45.40 2.66 0.00 | 53.26 3.03 0.00 | 48.03 2.91 0.00 | 43.26 2.87 0.00 | 45.97 3.05 0.00 | 51.38 3.15 0.00 | 59.44 3.57 0.00 | 53.66 3.27 0.00 | 45.06 2.68 0.00 | 56.66 3.32 0.00 | 52.73 3.01 0.00 | 36.33 2.22 0.00 | 31.15 1.93 0.00 |
| WEST BABYLON___IC 23714 | 39.12 2.51 0.00 | 30.92 1.78 0.00 | 30.27 1.68 0.50 | 30.33 1.77 0.31 | 30.08 1.85 1.07 | 36.90 2.19 -0.86 | 42.53 2.62 -0.94 | 40.69 2.44 -3.77 | 45.17 2.45 -8.75 | 53.53 3.11 -7.33 | 55.72 3.27 -7.22 | 50.50 3.33 -4.43 | 95.87 3.73 -41.90 | 55.17 3.45 -6.61 | 68.17 3.59 -24.19 | 54.17 3.73 -7.51 | 51.87 3.64 0.00 | 59.83 3.96 0.00 | 54.16 3.78 0.00 | 45.37 2.99 0.00 | 56.80 3.46 0.00 | 53.48 3.59 -0.18 | 50.66 2.77 -13.77 | 33.72 2.45 -2.06 |
| WEST CANADA___HYD 24049 | 36.52 -0.08 0.00 | 29.05 -0.08 0.00 | 28.49 -0.10 0.49 | 28.48 -0.09 0.30 | 28.16 -0.09 1.05 | 33.72 -0.13 0.00 | 38.82 -0.14 0.00 | 34.38 -0.10 0.00 | 33.87 -0.10 0.00 | 42.92 -0.18 0.00 | 45.04 -0.19 0.00 | 42.56 -0.18 0.00 | 49.99 -0.25 0.00 | 44.98 -0.14 0.00 | 40.32 -0.07 0.00 | 42.84 -0.09 0.00 | 48.01 -0.22 0.00 | 55.61 -0.26 0.00 | 50.17 -0.21 0.00 | 42.19 -0.20 0.00 | 53.08 -0.26 0.00 | 49.48 -0.24 0.00 | 33.99 -0.14 0.00 | 29.14 -0.08 0.00 |
| WESTERN_NY_WIND 24143 | 34.90 -1.71 0.00 | 27.61 -1.52 0.00 | 24.98 -1.65 2.45 | 25.76 -1.61 1.50 | 22.53 -1.54 5.23 | 32.51 -1.34 0.00 | 37.33 -1.64 0.00 | 32.31 -2.17 0.00 | 32.37 -1.60 0.00 | 38.39 -2.10 2.61 | 38.46 -1.83 4.94 | 40.54 -2.13 0.08 | 45.71 -2.49 2.03 | 37.24 -2.02 5.86 | 31.14 -1.31 7.95 | 33.21 -1.41 8.30 | 37.73 -1.65 8.85 | 38.15 -2.48 15.24 | 37.37 -1.97 11.05 | 34.71 -1.60 6.07 | 42.27 -2.03 9.04 | 41.06 -2.20 6.46 | 30.72 -1.57 1.83 | 26.29 -1.39 1.54 |
| WESTOVER___LESR 323668 | 36.10 -0.51 0.00 | 28.57 -0.57 0.00 | 25.56 -0.68 2.84 | 26.46 -0.68 1.74 | 22.55 -0.69 6.06 | 33.25 -0.60 0.00 | 38.19 -0.77 0.00 | 33.69 -0.79 0.00 | 33.52 -0.46 0.00 | 42.32 -0.77 0.00 | 44.49 -0.74 0.00 | 41.88 -0.87 0.00 | 48.62 -1.18 0.43 | 44.13 -0.99 0.00 | 39.72 -0.67 0.00 | 42.19 -0.73 0.00 | 47.27 -0.96 0.00 | 50.58 -1.39 3.90 | 48.30 -1.11 0.98 | 40.43 -0.96 0.99 | 52.31 -1.04 0.00 | 48.69 -1.02 0.00 | 33.12 -0.74 0.26 | 28.67 -0.55 0.00 |
| WETHRSFD_WT_PWR 323626 | 34.11 -2.49 0.00 | 26.91 -2.22 0.00 | 24.14 -2.36 2.59 | 24.97 -2.32 1.59 | 21.39 -2.38 5.53 | 31.53 -2.32 0.00 | 36.14 -2.83 0.00 | 31.32 -3.16 0.00 | 31.23 -2.73 0.01 | 22.27 -3.73 17.09 | 9.09 -3.75 32.39 | 38.37 -3.89 0.49 | 35.44 -4.71 10.08 | 2.56 -4.12 38.43 | -15.03 -3.30 52.13 | -15.04 -3.50 54.47 | -13.79 -3.97 58.05 | -16.38 -5.11 67.14 | -14.82 -4.34 60.87 | 10.68 -3.64 28.06 | -10.17 -4.18 59.33 | 3.21 -4.15 42.37 | 22.26 -2.98 8.89 | 16.59 -2.50 10.13 |
| WHAVSTOR_138KV_BK127 55557 | 37.96 1.35 0.00 | 30.12 0.98 0.00 | 29.40 0.84 0.52 | 29.45 0.89 0.32 | 29.10 0.91 1.10 | 34.84 0.99 0.00 | 40.19 1.23 0.00 | 35.73 1.24 0.00 | 35.24 1.26 0.00 | 44.59 1.49 0.00 | 46.87 1.64 0.00 | 44.46 1.72 0.00 | 52.14 1.91 0.00 | 47.05 1.93 0.00 | 42.45 2.06 0.00 | 45.12 2.20 0.00 | 50.35 2.13 0.00 | 58.18 2.31 0.00 | 52.49 2.10 0.00 | 44.08 1.70 0.00 | 55.42 2.07 0.00 | 51.76 2.04 0.00 | 35.69 1.56 0.00 | 30.69 1.47 0.00 |
| WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015 | 37.96 1.35 0.00 | 30.12 0.98 0.00 | 29.40 0.84 0.52 | 29.45 0.89 0.32 | 29.10 0.91 1.10 | 34.84 0.99 0.00 | 40.19 1.23 0.00 | 35.73 1.24 0.00 | 35.24 1.26 0.00 | 44.59 1.49 0.00 | 46.87 1.64 0.00 | 44.46 1.72 0.00 | 52.14 1.91 0.00 | 47.05 1.93 0.00 | 42.45 2.06 0.00 | 45.12 2.20 0.00 | 50.35 2.13 0.00 | 58.18 2.31 0.00 | 52.49 2.10 0.00 | 44.08 1.70 0.00 | 55.42 2.07 0.00 | 51.76 2.04 0.00 | 35.69 1.56 0.00 | 30.69 1.47 0.00 |
| WHITEHAL_115KV_TB1 80871 | 38.61 2.00 0.00 | 31.33 2.19 0.00 | 30.68 1.93 0.34 | 30.16 1.50 0.21 | 30.08 1.51 0.73 | 35.41 1.56 0.00 | 41.59 2.63 0.00 | 37.40 2.92 0.00 | 36.35 2.38 0.00 | 45.82 2.73 0.00 | 48.49 3.26 0.00 | 45.69 2.94 0.00 | 53.40 3.17 0.00 | 47.63 2.51 0.00 | 42.44 2.04 0.00 | 45.32 2.39 0.00 | 50.34 2.11 0.00 | 59.20 3.33 0.00 | 53.79 3.40 0.00 | 45.71 3.33 0.00 | 58.57 5.22 0.00 | 53.96 4.24 0.00 | 36.52 2.40 0.00 | 31.53 2.31 0.00 |
| WHITEPLN_13_KV_LOAD 356215 | 38.27 1.65 0.00 | 30.37 1.24 0.00 | 29.67 1.09 0.50 | 29.70 1.13 0.31 | 29.37 1.15 1.07 | 35.14 1.29 0.00 | 40.58 1.61 0.00 | 36.12 1.64 0.00 | 35.66 1.68 0.00 | 45.13 2.03 0.00 | 47.45 2.22 0.00 | 44.99 2.25 0.00 | 52.75 2.52 0.00 | 47.61 2.49 0.00 | 42.96 2.57 0.00 | 45.64 2.72 0.00 | 50.91 2.69 0.00 | 58.85 2.98 0.00 | 53.07 2.68 0.00 | 44.56 2.18 0.00 | 55.98 2.64 0.00 | 52.27 2.55 0.00 | 36.02 1.90 0.00 | 30.96 1.74 0.00 |
| WM_FLOYD_69_KV_BK2 356380 | 35.89 2.36 3.08 | 27.02 1.65 3.76 | 26.91 1.62 3.80 | 26.89 1.71 3.70 | 26.88 1.81 4.24 | 32.06 2.14 3.93 | 38.11 2.62 3.47 | 35.50 2.37 1.35 | 39.43 2.33 -3.13 | 47.64 3.09 -1.45 | 47.56 3.25 0.92 | 46.06 3.25 -0.06 | 49.12 3.53 4.65 | 50.64 3.42 -2.10 | 48.92 3.66 -4.87 | 49.64 3.77 -2.95 | 51.81 3.58 0.00 | 59.78 3.91 0.00 | 54.16 3.78 0.00 | 45.33 2.95 0.00 | 56.70 3.35 0.00 | 51.86 3.50 1.36 | 32.54 2.65 4.23 | 30.42 2.32 1.12 |
| WOODARD___115KV_TB2 355635 | 35.53 -1.08 0.00 | 28.19 -0.94 0.00 | 22.94 -1.02 5.12 | 24.73 -1.01 3.13 | 17.36 -1.01 10.93 | 32.84 -1.01 0.00 | 37.84 -1.12 0.00 | 33.43 -1.05 0.00 | 33.07 -0.90 0.00 | 41.81 -1.29 0.00 | 43.93 -1.30 0.00 | 41.43 -1.31 0.00 | 48.66 -1.57 0.00 | 43.81 -1.31 0.00 | 39.40 -1.00 0.00 | 41.84 -1.09 0.00 | 46.87 -1.36 0.00 | 54.18 -1.70 0.00 | 48.93 -1.45 0.00 | 41.16 -1.22 0.00 | 51.84 -1.50 0.00 | 48.27 -1.45 0.00 | 33.07 -1.05 0.00 | 28.31 -0.91 0.00 |
| WOODMERE_69_KV_BK1 55827 | 98.26 2.19 -59.46 | 103.36 1.50 -72.73 | 93.65 1.43 -63.14 | 95.70 1.57 -65.26 | 91.06 1.64 -60.12 | 92.79 1.93 -57.02 | 86.60 2.31 -45.33 | 89.75 2.19 -53.08 | 95.01 2.14 -58.90 | 106.80 2.69 -61.02 | 132.06 2.94 -83.89 | 90.84 2.95 -45.14 | 527.93 3.29 -474.41 | 95.94 3.00 -47.83 | 239.85 3.14 -196.31 | 94.30 3.09 -48.28 | 51.37 3.14 0.00 | 59.27 3.40 0.00 | 53.55 3.16 0.00 | 44.99 2.60 0.00 | 56.46 3.12 0.00 | 66.46 3.09 -13.65 | 209.66 2.40 -173.14 | 64.44 2.20 -33.02 |
| YORK___WARBASSE 23770 | 38.22 1.61 0.00 | 30.36 1.23 0.00 | 29.66 1.07 0.50 | 29.70 1.14 0.31 | 29.37 1.14 1.07 | 35.14 1.29 0.00 | 40.56 1.59 0.00 | 36.09 1.60 0.00 | 35.65 1.68 0.00 | 44.89 1.80 0.00 | 47.23 2.00 0.00 | 44.86 2.12 0.00 | 52.58 2.35 0.00 | 47.48 2.36 0.00 | 42.90 2.51 0.00 | 45.52 2.60 0.00 | 50.70 2.48 0.00 | 58.52 2.65 0.00 | 52.77 2.39 0.00 | 44.33 1.95 0.00 | 55.70 2.36 0.00 | 52.12 2.40 0.00 | 43.13 1.81 -7.19 | 30.92 1.70 0.00 |